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February 8, 2017

BRRTS #: 03-41-005185 and
02-41-305222
PECFA #: 53214-2601-01-A

Nancy Ryan
Wisconsin Department of Natural Resources
2300 N Dr. Martin Luther King Drive
Milwaukee, WI 53212

Subject: Badger Lease and Auto Sales Inc. – Letter Report

Dear Ms. Ryan,

Enclosed is the Letter Report for the Badger Lease and Auto Sales Inc. site located at 9601 W Greenfield Avenue in West Allis, Wisconsin. **This completes the Public Bidding Deferred workscope approved on March 13, 2015.**

Drilling Project

On November 2, 2016, Geiss Soil and Samples LLC, of Merrill, Wisconsin, installed three monitoring wells (MW-9, MW-10, and MW-11) under supervision and direction of METCO personnel. Monitoring wells MW-9, MW-10, and MW-11 were blind drilled and installed to 15 feet bgs. Upon completion, monitoring well MW-11 was property developed. Monitoring wells MW-9 and MW-10 were not developed as they were dry.

Groundwater Monitoring Workscope

On November 14, 2016, METCO personnel collected groundwater samples from ten monitoring wells (MW-1, MW-2, MW-4, MW-5, MW-6, MW-7, MW-8, MW-9, MW-10, and MW-11) for laboratory analysis (VOC). Field measurements for water level, Dissolved Oxygen, pH, ORP, temperature, and Specific Conductivity were collected from all sampled monitoring wells. Water levels were also taken from one monitoring well (MW-3) and two piezometers (PZ-1 and PZ-2). During the groundwater sampling event, the well network was surveyed by Fauerbach Surveying & Engineering of Hillsboro, WI.

Discussion of Groundwater Results:

Monitoring Well MW-1: Currently shows NR140 Enforcement Standard (ES) exceedance for Benzene (141 ppb).

Monitoring Well MW-2: Currently shows ES exceedances for Benzene (105 ppb), Tetrachloroethene (PCE) (6.8 ppb), and Vinyl Chloride (11.8 ppb) as well as a NR140 Preventative Action Limit (PAL)

exceedance for Trimethylbenzenes (99.3 ppb).

Monitoring Well MW-4: Currently shows ES exceedances for PCE (1,470 ppb), cis-1,2-Dichloroethene (1,320 ppb), Trichloroethene (TCE) (880 ppb), and Vinyl Chloride (131 ppb) as well as PAL exceedances for Benzene (0.92 ppb), 1,1-Dichloroethene (2.87 ppb), and trans-1,2-Dichloroethene (64 ppb).

Monitoring Well MW-5: Currently shows ES exceedances for Benzene (84 ppb), Ethylbenzene (1,340 ppb), cis-1,2-Dichloroethene (490 ppb), Naphthalene (360 ppb), Trimethylbenzenes (759 ppb), and Vinyl Chloride (370 ppb) as well as PAL exceedances for Toluene (200 ppb) and Xylene (1,276 ppb).

Monitoring Well MW-6: Currently shows ES exceedances for cis-1,2-Dichloroethene (2,690 ppb), PCE (5,500 ppb), TCE (2,740 ppb) and Vinyl Chloride (105 ppb) as well as PAL exceedances for 1,1-Dichloroethene (1.35 ppb) and trans-1,2-Dichloroethene (22.7 ppb).

Monitoring Well MW-7: Currently shows no detects for VOC's.

Monitoring Well MW-8: Currently shows no detects for VOC's.

Monitoring Well MW-9: Currently shows ES exceedances for PCE (14.7 ppb) and TCE (6.6 ppb).

Monitoring Well MW-10: Currently shows ES exceedances for cis-1,2-Dichloroethene (1,580 ppb), PCE (880 ppb), TCE (2,480 ppb) and Vinyl Chloride (40 ppb) as well as a PAL exceedance for trans-1,2-Dichloroethene (57 ppb).

Monitoring Well MW-11: Currently shows a PAL exceedance for Benzene (4.8 ppb).

Conclusions/Recommendations

Based on the results of the round of groundwater sampling, it is the recommendation of METCO that the site be reviewed for the possibility of "closure" regarding the petroleum contamination for the following reasons: 1) The extent and degree of soil and groundwater petroleum contamination appears to be adequately defined. 2) Free product has not been encountered during this site investigation. 3) Groundwater results show contaminant concentrations to be stable to decreasing. 4) Risk of vapor intrusion from the released petroleum products appears unlikely due to the lack of significant soil contamination near the building, lack of free product, and <1,000 ppb Benzene concentrations in groundwater. 5) The City of West Allis is served by the City of Milwaukee municipal water supply, which draws its potable water from Lake Michigan and is therefore not a risk to any potable wells in the area.

METCO also recommends that the WDNR consider the possibility of closing the chlorinated issue as well. Our reasoning for this is that the tight silt/clay soils will make it quite difficult and expensive to remediate the chlorinated contamination....with no guarantee of success.

If it is determined that closure is not possible at this time, please contact METCO to discuss workscope and costs to move the site toward closure.

Per WDNR response to this conclusion/recommendation METCO will proceed with this project.

A Site Layout Map, Groundwater Flow Map, Groundwater Contamination Map, Data Tables, Drilling Documents, and Laboratory Documents have been attached.

If you have any questions or comments please feel free to call (608-781-8879) or email at jasonp@metcohq.com.

Sincerely,

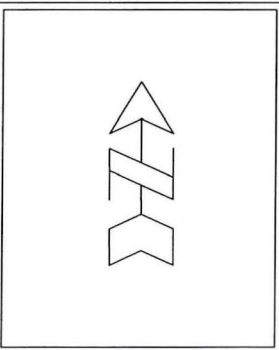
A handwritten signature in black ink that reads "Jason T. Powell". The signature is written in a cursive style with a long, sweeping underline.

Jason T. Powell
Staff Scientist

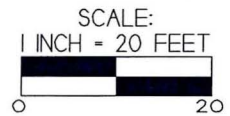
Attachments








c: Christine Vernon – Client
Mark Treter - Attorney









B.I.b. DETAILED SITE MAP	
BADGER LEASE & AUTO SALES, INC	
 <p>709 GILLETTE ST, STE 3 LA CROSSE, WI 54603 Tel: (608) 781-8879 Fax: (608) 781-8893</p>	<p>WEST ALLIS, WISCONSIN</p>
<p>DRAWN BY: ED DATE: 07/26/2016</p>	

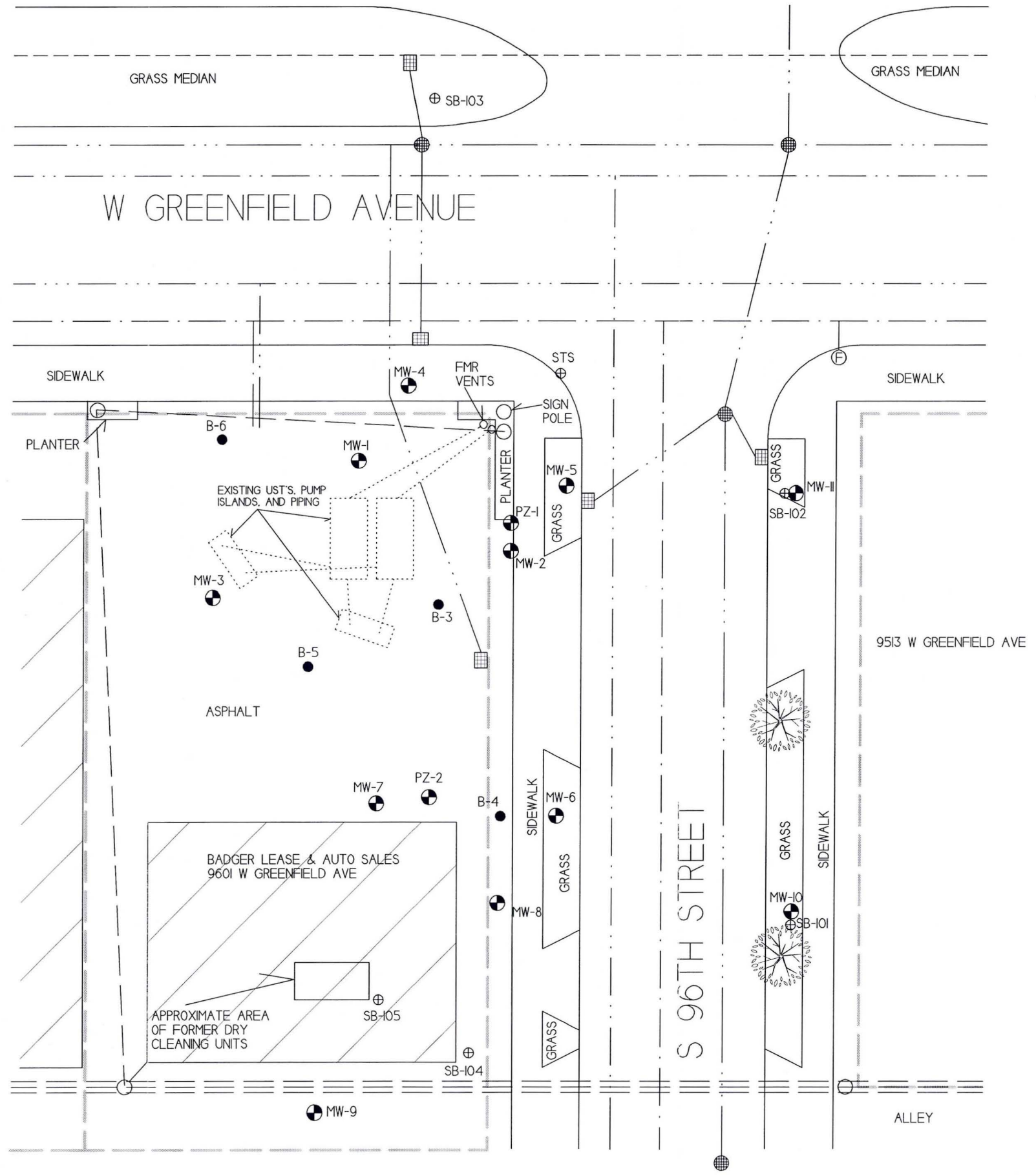


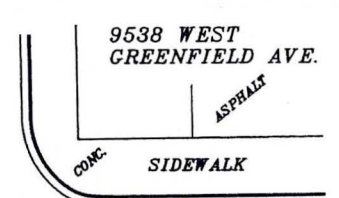
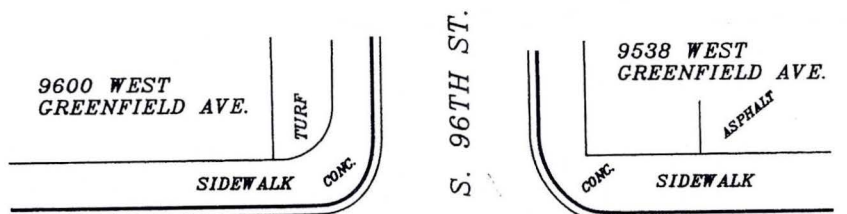
NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER




-  - MONITORING WELL LOCATION
-  - TEMPORARY MONITORING WELL LOCATION
-  - SOIL BORING LOCATION
-  - STREET LIGHT
-  - SEWER MAN HOLE
-  - STORM DRAIN
-  - FIRE HYDRANT

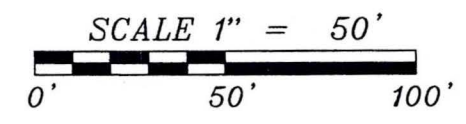
-  - WATER LINE
-  - SANITARY SEWER LINE
-  - STORM SEWER LINE
-  - NATURAL GAS LINE
-  - BURIED ELECTRIC LINE
-  - OVERHEAD UTILITIES
-  - TELEPHONE/CABLE LINE
-  - PROPERTY BOUNDARY





KEY

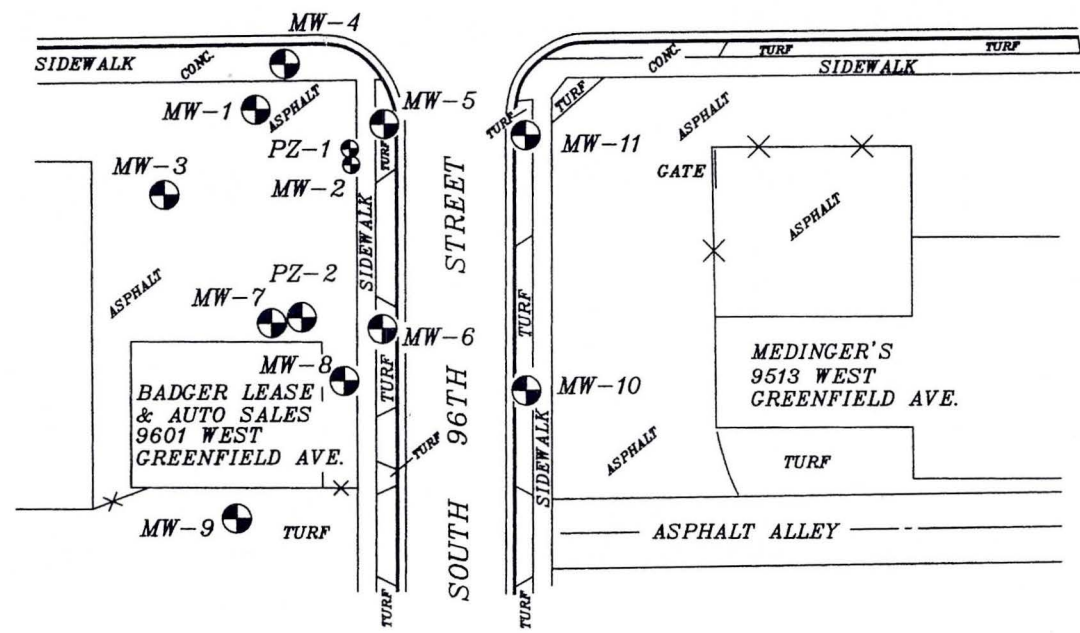
 MONITORING WELL OR PEIZOMETER-FLUSH TYPE




--- WESTBOUND W. GREENFIELD AVE. ---



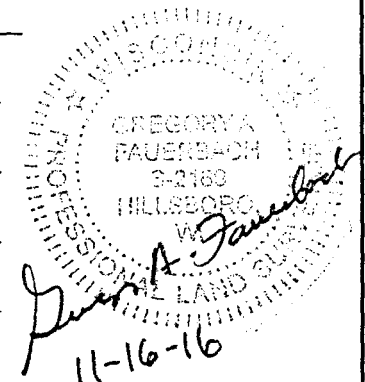
--- EASTBOUND W. GREENFIELD AVE. ---




Greg P. Fauerbach
 11-16-16

DRAWN BY: GREG FAUERBACH	REVISIONS	PROJECT:	SHEET NAME	PAGE
DATE: 11-14-16 FIELD		BADGER LEASE & AUTO SALES	DATA SHEET	1 OF 1
DWG. NO.: 54616	FAUERBACH SURVEYING & ENG. PO BOX 140, HILLSBORO, WI 54634 PH/FAX 608-489-3363	9601 W. GREENFIELD AVE. WEST ALLIS, WI 53214		

WELL	MILWAUKEE COUNTY COORD. SYSTEM NAD83(2011)		TOP OF WELL ELEVATION (NAVD 88)	TOP OF PVC CASING ELEVATION (NAVD 88)
	NORTH	EAST		
MW-1	291470.35	573221.67	789.99'	789.66'
PZ-1	291459.99	573246.61	788.86'	788.41'
MW-2	291455.76	573246.90	788.92'	788.53'
PZ-2	291416.02	573233.31	790.08'	789.76'
MW-3	291448.02	573197.59	790.58'	790.24'
MW-4	291482.38	573229.48	789.42'	788.93'
MW-5	291466.40	573255.88	788.64'	788.38'
MW-6	291412.95	573254.84	788.98'	788.73'
MW-7	291414.57	573225.34	790.46'	789.91'
MW-8	291399.43	573244.52	789.51'	789.23'
MW-9	291363.72	573215.47	789.86'	789.36'
MW-10	291396.78	573292.62	789.06'	788.65'
MW-11	291463.34	573293.07	788.29'	787.78'



DRAWN BY: GREG FAUERBACH	REVISIONS	PROJECT:	SHEET NAME	PAGE
DATE: 11-14-16 FIELD		BADGER LEASE & AUTO SALES	DATA SHEET	1 OF 1
DWG. NO.: 54616	FAUERBACH SURVEYING & ENG. PO BOX 140, HILLSBORO, WI 54634 PH/FAX 608-489-3363	9601 W. GREENFIELD AVE. WEST ALLIS, WI 53214		

A.1 Groundwater Analytical Table
 Badger Lease & Auto Sales BRRTS #03-41-005185

Well MW-1 789.92
 PVC Elevation = 11/14/16 789.66 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	1,1-Dichloroethene (ppb)	cis-1,2-Dichloroethene (ppb)	trans-1,2Dichloroethene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Tetrachloroethene (PCE) (ppb)	Trichloroethane (TCE) (ppb)	Toluene (ppb)	Vinyl Chloride (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
03/01/96	782.24	7.68	NS	635	NS	NS	NS	<100	NS	<100	2750	70.2	<200	NS	<200	<100
07/03/97	783.60	6.32	NS	890	NS	NS	NS	290	NS	<100	600	440	176	NS	<186	228
07/24/02	NM	NM	NS	440	NS	NS	NS	430	NS	20	290	330	100	NS	110-115	190
10/11/02	NM	NM	NS	430	NS	NS	NS	590	NS	64	65	180	120	NS	120-125	260
11/14/16	783.92	5.74	NS	141	<6.5	<4.5	<5.4	7.2	<11	<16	<4.9	<4.7	<4.4	<1.7	<31	<31
ENFORCE MENT STANDARD ES = Bold			15	5	7	70	100	700	60	100	5	5	800	0.2	480	2000
PREVENTIVE ACTION LIMIT PAL = Italics			1.5	0.5	0.7	7	20	140	12	10	0.5	0.5	160	0.02	96	400

(ppb) = parts per billion (ppm) = parts per million
 ns = not sampled nm = not measured

Note: Elevations are presented in feet mean sea level (msl).

Well MW-2 788.80
 PVC Elevation = 11/14/16 788.53 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	1,1-Dichloroethene (ppb)	cis-1,2-Dichloroethene (ppb)	trans-1,2Dichloroethene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Tetrachloroethene (PCE) (ppb)	Trichloroethane (TCE) (ppb)	Toluene (ppb)	Vinyl Chloride (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
03/01/96	779.94	8.86	NS	<4000	NS	NS	NS	<20000	NS	<20000	222000	<4000	<40000	NS	<40000	<20000
07/03/97	783.68	5.12	NS	660	NS	NS	NS	680	NS	180	1900	240	160	NS	189	507
07/24/02	NM	NM	NS	380	NS	NS	NS	1500	NS	<500	94000	<500	<200	NS	1100-1300	1800
10/11/02	NM	NM	NS	310	NS	NS	NS	1300	NS	290	3600	37	200	NS	990	1500
11/14/16	782.82	5.71	NS	105	<6.5	5.0	<5.4	22.4	<11	<16	6.8	<4.7	7.9	11.8	99.3	194-203
ENFORCE MENT STANDARD ES = Bold			15	5	7	70	100	700	60	100	5	5	800	0.2	480	2000
PREVENTIVE ACTION LIMIT PAL = Italics			1.5	0.5	0.7	7	20	140	12	10	0.5	0.5	160	0.02	96	400

(ppb) = parts per billion (ppm) = parts per million
 ns = not sampled nm = not measured

Note: Elevations are presented in feet mean sea level (msl).

Well MW-3 790.45
 PVC Elevation = 11/14/16 790.24 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	1,1-Dichloroethene (ppb)	cis-1,2-Dichloroethene (ppb)	trans-1,2Dichloroethene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Tetrachloroethene (PCE) (ppb)	Trichloroethane (TCE) (ppb)	Toluene (ppb)	Vinyl Chloride (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
03/01/96	785.35	5.10	NS	<0.2	NS	NS	NS	<1.0	NS	<1.0	<0.5	<0.2	<2.0	NS	<2.0	<1.0
07/03/97	786.66	3.79	NS	<0.21	NS	NS	NS	<0.68	NS	<1	1.1	<0.13	<1.5	NS	<1.86	<1.2
07/24/02	NM	NM	NS	<0.10	NS	NS	NS	<0.25	NS	<0.25	<0.25	<0.25	<0.10	NS	<0.20	<0.25
10/11/02	NM	NM	NS	<0.10	NS	NS	NS	<0.25	NS	<0.25	<0.25	<0.25	<0.10	NS	<0.20	<0.25
11/14/16	785.83	4.41	NS													
NOT SAMPLED																
ENFORCE MENT STANDARD ES = Bold			15	5	7	70	100	700	60	100	5	5	800	0.2	480	2000
PREVENTIVE ACTION LIMIT PAL = Italics			1.5	0.5	0.7	7	20	140	12	10	0.5	0.5	160	0.02	96	400

(ppb) = parts per billion (ppm) = parts per million
 ns = not sampled nm = not measured

Note: Elevations are presented in feet mean sea level (msl).

A.1 Groundwater Analytical Table
Badger Lease & Auto Sales BRRTS #03-41-005185

Well MW-4

PVC Elevation = 788.93 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	1,1-Dichloroethene (ppb)	cis-1,2-Dichloroethene (ppb)	trans-1,2Dichloroethene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Tetrachloroethene (PCE) (ppb)	Trichloroethane (TCE) (ppb)	Toluene (ppb)	Vinyl Chloride (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
07/24/02	NM	NM	NS	<10	NS	NS	NS	<25	NS	45	4100	170	<10	NS	22-32	<25
10/11/02	NM	NM	NS	<1.6	NS	NS	NS	<4.0	NS	<4.0	740	52	<1.6	NS	<3.2	<4.0
11/14/16	784.42	4.51	NS	0.92	2.87	1320	64	5.8	<1.1	<1.6	1470	880	0.50	131	<3.1	<3.1
ENFORCE MENT STANDARD ES = Bold			15	5	7	70	100	700	60	100	5	5	800	0.2	480	2000
PREVENTIVE ACTION LIMIT PAL = Italics			1.5	0.5	0.7	7	20	140	12	10	0.5	0.5	160	0.02	96	400

(ppb) = parts per billion (ppm) = parts per million
ns = not sampled nm = not measured

Note: Elevations are presented in feet mean sea level (msl).

Well MW-5

PVC Elevation = 788.38 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	1,1-Dichloroethene (ppb)	cis-1,2-Dichloroethene (ppb)	trans-1,2Dichloroethene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Tetrachloroethene (PCE) (ppb)	Trichloroethane (TCE) (ppb)	Toluene (ppb)	Vinyl Chloride (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
07/24/02	NM	NM	NS	590	NS	NS	NS	1600	NS	270	<25	<25	850	NS	1240	4500
10/11/02	NM	NM	NS	490	NS	NS	NS	1600	NS	360	<25	<25	710	NS	1290	3800
11/14/16	782.23	6.15	NS	84	<6.5	490	7.7	1340	<11	360	<4.9	<4.7	200	370	759	1276
ENFORCE MENT STANDARD ES = Bold			15	5	7	70	100	700	60	100	5	5	800	0.2	480	2000
PREVENTIVE ACTION LIMIT PAL = Italics			1.5	0.5	0.7	7	20	140	12	10	0.5	0.5	160	0.02	96	400

(ppb) = parts per billion (ppm) = parts per million
ns = not sampled nm = not measured

Note: Elevations are presented in feet mean sea level (msl).

Well MW-6

PVC Elevation = 788.73 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	1,1-Dichloroethene (ppb)	cis-1,2-Dichloroethene (ppb)	trans-1,2Dichloroethene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Tetrachloroethene (PCE) (ppb)	Trichloroethane (TCE) (ppb)	Toluene (ppb)	Vinyl Chloride (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
07/24/02	NM	NM	NS	<40	NS	NS	NS	<100	NS	<100	14000	9800	<40	NS	<80	<100
10/11/02	NM	NM	NS	<25	NS	NS	NS	<62	NS	<62	12000	7700	<25	NS	<50	<62
11/14/16	782.43	6.30	NS	<0.44	1.35	2690	22.7	<0.71	<1.1	<1.6	5500	2740	<0.44	105	<3.1	<3.1
ENFORCE MENT STANDARD ES = Bold			15	5	7	70	100	700	60	100	5	5	800	0.2	480	2000
PREVENTIVE ACTION LIMIT PAL = Italics			1.5	0.5	0.7	7	20	140	12	10	0.5	0.5	160	0.02	96	400

(ppb) = parts per billion (ppm) = parts per million
ns = not sampled nm = not measured

Note: Elevations are presented in feet mean sea level (msl).

A.1 Groundwater Analytical Table
 Badger Lease & Auto Sales BRRTS #03-41-005185

Well MW-7

PVC Elevation = 789.91 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	1,1-Dichloroethene (ppb)	cis-1,2-Dichloroethene (ppb)	trans-1,2Dichloroethene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Tetrachloroethene (PCE) (ppb)	Trichloroethane (TCE) (ppb)	Toluene (ppb)	Vinyl Chloride (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
07/24/02	NM	NM	NS	<4.0	NS	NS	NS	<10	NS	<10	1200	330	<4.0	NS	<8.0	<10.0
10/11/02	NM	NM	NS	<2.5	NS	NS	NS	<6.2	NS	<6.2	1400	370	<2.5	NS	<5	<6.2
11/14/16	784.73	5.18	NS	<2.2	<3.25	<2.25	<2.7	<3.55	<5.5	<8	<2.45	<2.34	<2.2	<0.85	<15.5	<15.5
ENFORCE MENT STANDARD ES = Bold			15	5	7	70	100	700	60	100	5	5	800	0.2	480	2000
PREVENTIVE ACTION LIMIT PAL = Italics			1.5	0.5	0.7	7	20	140	12	10	0.5	0.5	160	0.02	96	400

(ppb) = parts per billion (ppm) = parts per million
 ns = not sampled nm = not measured

Note: Elevations are presented in feet mean sea level (msl).

Well MW-8

PVC Elevation = 789.23 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	1,1-Dichloroethene (ppb)	cis-1,2-Dichloroethene (ppb)	trans-1,2Dichloroethene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Tetrachloroethene (PCE) (ppb)	Trichloroethane (TCE) (ppb)	Toluene (ppb)	Vinyl Chloride (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
07/24/02	NM	NM	NS	<5.0	NS	NS	NS	<12	NS	<12	2700	1600	<5.0	NS	<10	<12
10/11/02	NM	NM	NS	<5.0	NS	NS	NS	<12	NS	<12	2100	1300	<5.0	NS	<10	<12
11/14/16	783.28	5.95	NS	<2.2	<3.25	<2.25	<2.7	<3.55	<5.5	<8	<2.45	<2.35	<2.2	<0.85	<15.5	<15.5
ENFORCE MENT STANDARD ES = Bold			15	5	7	70	100	700	60	100	5	5	800	0.2	480	2000
PREVENTIVE ACTION LIMIT PAL = Italics			1.5	0.5	0.7	7	20	140	12	10	0.5	0.5	160	0.02	96	400

(ppb) = parts per billion (ppm) = parts per million
 ns = not sampled nm = not measured

Note: Elevations are presented in feet mean sea level (msl).

Well MW-9

PVC Elevation = 789.36 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	1,1-Dichloroethene (ppb)	cis-1,2-Dichloroethene (ppb)	trans-1,2Dichloroethene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Tetrachloroethene (PCE) (ppb)	Trichloroethane (TCE) (ppb)	Toluene (ppb)	Vinyl Chloride (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
11/14/16	784.31	5.05	NS	<0.44	<0.65	4.8	0.73	<0.71	<1.1	<1.6	14.7	6.6	<0.44	<0.17	<3.1	<3.1
ENFORCE MENT STANDARD ES = Bold			15	5	7	70	100	700	60	100	5	5	800	0.2	480	2000
PREVENTIVE ACTION LIMIT PAL = Italics			1.5	0.5	0.7	7	20	140	12	10	0.5	0.5	160	0.02	96	400

(ppb) = parts per billion (ppm) = parts per million
 ns = not sampled nm = not measured

Note: Elevations are presented in feet mean sea level (msl).

A.1 Groundwater Analytical Table
Badger Lease & Auto Sales BRRTS #03-41-005185

Well MW-10

PVC Elevation = 788.65 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	1,1-Dichloroethene (ppb)	cis-1,2-Dichloroethene (ppb)	trans-1,2Dichloroethene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Tetrachloroethene (PCE) (ppb)	Trichloroethane (TCE) (ppb)	Toluene (ppb)	Vinyl Chloride (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
11/14/16	780.90	7.75	NS	<8.8	<13	1580	57	<14.2	<22	<32	880	2480	<8.8	40	<62	<62
ENFORCE MENT STANDARD ES = Bold			15	5	7	70	100	700	60	100	5	5	800	0.2	480	2000
PREVENTIVE ACTION LIMIT PAL = Italics			1.5	0.5	0.7	7	20	140	12	10	0.5	0.5	160	0.02	96	400

(ppb) = parts per billion (ppm) = parts per million
ns = not sampled nm = not measured
Note: Elevations are presented in feet mean sea level (msl).

Well MW-11

PVC Elevation = 787.78 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	1,1-Dichloroethene (ppb)	cis-1,2-Dichloroethene (ppb)	trans-1,2Dichloroethene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Tetrachloroethene (PCE) (ppb)	Trichloroethane (TCE) (ppb)	Toluene (ppb)	Vinyl Chloride (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
11/14/16	780.45	7.33	NS	4.8	<0.65	0.95	<0.54	<0.71	<1.1	<1.6	<0.49	<0.47	0.74	<0.17	<3.1	<3.1
ENFORCE MENT STANDARD ES = Bold			15	5	7	70	100	700	60	100	5	5	800	0.2	480	2000
PREVENTIVE ACTION LIMIT PAL = Italics			1.5	0.5	0.7	7	20	140	12	10	0.5	0.5	160	0.02	96	400

(ppb) = parts per billion (ppm) = parts per million
ns = not sampled nm = not measured
Note: Elevations are presented in feet mean sea level (msl).

Well PZ-1

PVC Elevation = 788.41 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	1,1-Dichloroethene (ppb)	cis-1,2-Dichloroethene (ppb)	trans-1,2Dichloroethene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Tetrachloroethene (PCE) (ppb)	Trichloroethane (TCE) (ppb)	Toluene (ppb)	Vinyl Chloride (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
10/11/02	NM	NM	NS	<0.10	NS	NS	NS	<0.25	NS	<0.25	4.5	<0.25	<0.10	NS	<0.20	<0.25
11/14/16	785.72	2.69	NS	NOT SAMPLED												
ENFORCE MENT STANDARD ES = Bold			15	5	7	70	100	700	60	100	5	5	800	0.2	480	2000
PREVENTIVE ACTION LIMIT PAL = Italics			1.5	0.5	0.7	7	20	140	12	10	0.5	0.5	160	0.02	96	400

(ppb) = parts per billion (ppm) = parts per million
ns = not sampled nm = not measured
Note: Elevations are presented in feet mean sea level (msl).

A.1 Groundwater Analytical Table
Badger Lease & Auto Sales BRRTS #03-41-005185

Well PZ-2

PVC Elevation =

789.76

(feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	1,1-Dichloroethene (ppb)	cis-1,2-Dichloroethene (ppb)	trans-1,2Dichloroethene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Tetrachloroethene (PCE) (ppb)	Trichloroethane (TCE) (ppb)	Toluene (ppb)	Vinyl Chloride (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
10/11/02	NM	NM	NS	<0.10	NS	NS	NS	<0.25	NS	<0.25	<0.25	<0.25	<0.10	NS	<0.20	<0.25
11/14/16	770.58	19.18	NS	NOT SAMPLED												
ENFORCE MENT STANDARD ES = Bold			15	5	7	70	100	700	60	100	5	5	800	0.2	480	2000
PREVENTIVE ACTION LIMIT PAL = Italics			<i>1.5</i>	<i>0.5</i>	<i>0.7</i>	<i>7</i>	<i>20</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>0.5</i>	<i>0.5</i>	<i>160</i>	<i>0.02</i>	<i>96</i>	<i>400</i>

(ppb) = parts per billion (ppm) = parts per million

ns = not sampled nm = not measured

Note: Elevations are presented in feet mean sea level (msl).

Soil Boring SB-101

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	1,1-Dichloroethene (ppb)	cis-1,2-Dichloroethene (ppb)	trans-1,2Dichloroethene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Tetrachloroethene (PCE) (ppb)	Trichloroethane (TCE) (ppb)	Toluene (ppb)	Vinyl Chloride (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
09/19/07	NM	NM	NS	<20	NS	NS	NS	<50	NS	<25	960	2700	<20	NS	<40	<50
ENFORCE MENT STANDARD ES = Bold			15	5	7	70	100	700	60	100	5	5	800	0.2	480	2000
PREVENTIVE ACTION LIMIT PAL = Italics			<i>1.5</i>	<i>0.5</i>	<i>0.7</i>	<i>7</i>	<i>20</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>0.5</i>	<i>0.5</i>	<i>160</i>	<i>0.02</i>	<i>96</i>	<i>400</i>

(ppb) = parts per billion (ppm) = parts per million

ns = not sampled nm = not measured

Note: Elevations are presented in feet mean sea level (msl).

Soil Boring SB-102

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	1,1-Dichloroethene (ppb)	cis-1,2-Dichloroethene (ppb)	trans-1,2Dichloroethene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Tetrachloroethene (PCE) (ppb)	Trichloroethane (TCE) (ppb)	Toluene (ppb)	Vinyl Chloride (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
09/19/07	NM	NM	NS	120	NS	NS	NS	9.7	NS	1.1	<1.0	<0.40	10	NS	4.2	35
ENFORCE MENT STANDARD ES = Bold			15	5	7	70	100	700	60	100	5	5	800	0.2	480	2000
PREVENTIVE ACTION LIMIT PAL = Italics			<i>1.5</i>	<i>0.5</i>	<i>0.7</i>	<i>7</i>	<i>20</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>0.5</i>	<i>0.5</i>	<i>160</i>	<i>0.02</i>	<i>96</i>	<i>400</i>

(ppb) = parts per billion (ppm) = parts per million

ns = not sampled nm = not measured

Note: Elevations are presented in feet mean sea level (msl).

A.1 Groundwater Analytical Table
Badger Lease & Auto Sales BRRTS #03-41-005185

Soil Boring SB-103

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	1,1-Dichloroethene (ppb)	cis-1,2-Dichloroethene (ppb)	trans-1,2Dichloroethene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Tetrachloroethene (PCE) (ppb)	Trichloroethane (TCE) (ppb)	Toluene (ppb)	Vinyl Chloride (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
09/19/07	NM	NM	NS	0.32	NS	NS	NS	<0.50	NS	<0.25	6.8	0.45	0.61	NS	<0.40	<0.50
ENFORCE MENT STANDARD ES = Bold			15	5	7	70	100	700	60	100	5	5	800	0.2	480	2000
PREVENTIVE ACTION LIMIT PAL = Italics			<i>1.5</i>	<i>0.5</i>	<i>0.7</i>	<i>7</i>	<i>20</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>0.5</i>	<i>0.5</i>	<i>160</i>	<i>0.02</i>	<i>96</i>	<i>400</i>

(ppb) = parts per billion (ppm) = parts per million
ns = not sampled nm = not measured
Note: Elevations are presented in feet mean sea level (msl).

Soil Boring SB-104

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	1,1-Dichloroethene (ppb)	cis-1,2-Dichloroethene (ppb)	trans-1,2Dichloroethene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Tetrachloroethene (PCE) (ppb)	Trichloroethane (TCE) (ppb)	Toluene (ppb)	Vinyl Chloride (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
09/19/07	NM	NM	NS	<8.0	NS	NS	NS	<20	NS	11	3200	1700	<8.0	NS	<16.0	<20
ENFORCE MENT STANDARD ES = Bold			15	5	7	70	100	700	60	100	5	5	800	0.2	480	2000
PREVENTIVE ACTION LIMIT PAL = Italics			<i>1.5</i>	<i>0.5</i>	<i>0.7</i>	<i>7</i>	<i>20</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>0.5</i>	<i>0.5</i>	<i>160</i>	<i>0.02</i>	<i>96</i>	<i>400</i>

(ppb) = parts per billion (ppm) = parts per million
ns = not sampled nm = not measured
Note: Elevations are presented in feet mean sea level (msl).

Soil Boring SB-105

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	1,1-Dichloroethene (ppb)	cis-1,2-Dichloroethene (ppb)	trans-1,2Dichloroethene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Tetrachloroethene (PCE) (ppb)	Trichloroethane (TCE) (ppb)	Toluene (ppb)	Vinyl Chloride (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
09/19/07	NM	NM	NS	<40	NS	NS	NS	<100	NS	<50	14000	9700	<40	NS	<80	<100
ENFORCE MENT STANDARD ES = Bold			15	5	7	70	100	700	60	100	5	5	800	0.2	480	2000
PREVENTIVE ACTION LIMIT PAL = Italics			<i>1.5</i>	<i>0.5</i>	<i>0.7</i>	<i>7</i>	<i>20</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>0.5</i>	<i>0.5</i>	<i>160</i>	<i>0.02</i>	<i>96</i>	<i>400</i>

(ppb) = parts per billion (ppm) = parts per million
ns = not sampled nm = not measured
Note: Elevations are presented in feet mean sea level (msl).

Soil Boring STS

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	1,1-Dichloroethene (ppb)	cis-1,2-Dichloroethene (ppb)	trans-1,2Dichloroethene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Tetrachloroethene (PCE) (ppb)	Trichloroethane (TCE) (ppb)	Toluene (ppb)	Vinyl Chloride (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
09/21/04	NM	NM	NS	25.8	NS	NS	NS	14.5	NS	<8.0	NS	NS	<5.0	NS	<10.0	NS
ENFORCE MENT STANDARD ES = Bold			15	5	7	70	100	700	60	100	5	5	800	0.2	480	2000
PREVENTIVE ACTION LIMIT PAL = Italics			<i>1.5</i>	<i>0.5</i>	<i>0.7</i>	<i>7</i>	<i>20</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>0.5</i>	<i>0.5</i>	<i>160</i>	<i>0.02</i>	<i>96</i>	<i>400</i>

(ppb) = parts per billion (ppm) = parts per million
ns = not sampled nm = not measured
Note: Elevations are presented in feet mean sea level (msl).

A.1 Groundwater Analytical Table
Badger Lease & Auto Sales BRRTS #03-41-005185

Well Sampling Conducted on: 11/14/16 11/14/16 11/14/16 11/14/16 11/14/16 11/14/16 11/14/16 11/14/16 11/14/16 11/14/16

VOC's

Well Name	MW-1	MW-2	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	MW-11	ENFORCE MENT STANDARD = ES - Bold	PREVENTIVE ACTION LIMIT = PAL - Italics
Benzene/ppb	141	105	0.92 "J"	84	<0.44	<2.2	<2.2	<0.44	<8.8	4.8	5	0.5
Bromobenzene/ppb	<4.8	<4.8	<0.48	<4.8	<0.48	<2.4	<2.4	<0.48	<9.6	<0.48	==	==
Bromodichloromethane/ppb	<4.6	<4.6	<0.46	<4.6	<0.46	<2.3	<2.3	<0.46	<9.2	<0.46	0.6	0.06
Bromoform/ppb	<4.6	<4.6	<0.46	<4.6	<0.46	<2.3	<2.3	<0.46	<9.2	<0.46	4.4	0.44
tert-Butylbenzene/ppb	<11	<11	<1.1	<11	<1.1	<5.5	<5.5	<1.1	<22	<1.1	==	==
sec-Butylbenzene/ppb	<12	<12	<1.2	<12	<1.2	<6	<6	<1.2	<24	<1.2	==	==
n-Butylbenzene/ppb	<10	<10	<1	18.5 "J"	<1	<5	<5	<1	<20	<1	==	==
Carbon Tetrachloride/ppb	<5.1	<5.1	<0.51	<5.1	<0.51	<2.55	<2.55	<0.51	<10.2	<0.51	5	0.5
Chlorobenzene/ppb	<4.6	<4.6	<0.46	<4.6	0.68 "J"	<2.3	<2.3	<0.46	<9.2	<0.46	==	==
Chloroethane/ppb	<6.5	<6.5	<0.65	<6.5	<0.65	<3.25	<3.25	<0.65	<13	<0.65	400	80
Chloroform/ppb	<4.3	<4.3	<0.43	<4.3	<0.43	<2.15	<2.15	<0.43	<8.6	<0.43	6	0.6
Chloromethane/ppb	<19	<19	<1.9	<19	<1.9	<9.5	<9.5	<1.9	<38	<1.9	30	3
2-Chlorotoluene/ppb	<4	<4	<0.4	<4	<0.4	<2	<2	<0.4	<8	<0.4	==	==
4-Chlorotoluene/ppb	<6.3	<6.3	<0.63	<6.3	<0.63	<3.15	<3.15	<0.63	<12.6	<0.63	==	==
1,2-Dibromo-3-chloropropane/ppb	<14	<14	<1.4	<14	<1.4	<7	<7	<1.4	<28	<1.4	0.2	0.02
Dibromochloromethane/ppb	<4.5	<4.5	<0.45	<4.5	<0.45	<2.25	<2.25	<0.45	<9	<0.45	60	6
1,4-Dichlorobenzene/ppb	<4.9	<4.9	<0.49	<4.9	<0.49	<2.45	<2.45	<0.49	<9.8	<0.49	75	15
1,3-Dichlorobenzene/ppb	<5.2	<5.2	<0.52	<5.2	<0.52	<2.6	<2.6	<0.52	<10.4	<0.52	600	120
1,2-Dichlorobenzene/ppb	<4.6	<4.6	<0.46	<4.6	<0.46	<2.3	<2.3	<0.46	<9.2	<0.46	600	60
Dichlorodifluoromethane/ppb	<8.7	<8.7	<0.87	<8.7	<0.87	<4.35	<4.35	<0.87	<17.4	<0.87	1000	200
1,2-Dichloroethane/ppb	<4.8	<4.8	<0.48	<4.8	<0.48	<2.4	<2.4	<0.48	<9.6	0.82 "J"	5	0.5
1,1-Dichloroethane/ppb	<11	<11	<1.1	<11	<1.1	<5.5	<5.5	<1.1	<22	<1.1	850	85
1,1-Dichloroethene/ppb	<6.5	<6.5	2.87	<6.5	1.35 "J"	<3.25	<3.25	<0.65	<13	<0.65	7	0.7
cis-1,2-Dichloroethene/ppb	<4.5	5.0 "J"	1320	490	2690	<2.25	<2.25	4.8	1580	0.95 "J"	70	7
trans-1,2-Dichloroethene/ppb	<5.4	<5.4	64	7.7 "J"	22.7	<2.7	<2.7	0.73 "J"	57	<0.54	100	20
1,2-Dichloropropane/ppb	<4.3	<4.3	<0.43	<4.3	<0.43	<2.15	<2.15	<0.43	<8.6	<0.43	5	0.5
2,2-Dichloropropane/ppb	<3.1	<3.1	<0.31	<3.1	<0.31	<1.55	<1.55	<0.31	<6.2	<0.31	==	==
1,3-Dichloropropane/ppb	<4.2	<4.2	<0.42	<4.2	<0.42	<2.1	<2.1	<0.42	<8.4	<0.42	==	==
Di-isopropyl ether/ppb	<4.4	<4.4	<0.44	<4.4	<0.44	<2.2	<2.2	<0.44	<8.8	<0.44	==	==
EDB (1,2-Dibromoethane)/ppb	<6.3	<6.3	<0.63	<6.3	<0.63	<3.15	<3.15	<0.63	<12.6	<0.63	0.05	0.005
Ethylbenzene/ppb	7.2 "J"	22.4 "J"	5.8	1340	<0.71	<3.55	<3.55	<0.71	<14.2	<0.71	700	140
Hexachlorobutadiene/ppb	<22	<22	<2.2	<22	<2.2	<11	<11	<2.2	<44	<2.2	==	==
Isopropylbenzene/ppb	<8.2	10.2 "J"	<0.82	46	<0.82	<4.1	<4.1	<0.82	<16.4	1.39 "J"	==	==
p-Isopropyltoluene/ppb	<11	<11	<1.1	<11	<1.1	<5.5	<5.5	<1.1	<22	<1.1	==	==
Methylene chloride/ppb	<13	<13	<1.3	<13	<1.3	<6.5	<6.5	<1.3	<26	<1.3	5	0.5
Methyl tert-butyl ether (MTBE)/ppb	<11	<11	<1.1	<11	<1.1	<5.5	<5.5	<1.1	<22	<1.1	60	12
Naphthalene/ppb	<16	<16	<1.6	360	<1.6	<8	<8	<1.6	<32	<1.6	100	10
n-Propylbenzene/ppb	<7.7	25.4	1.47 "J"	134	<0.77	<3.85	<3.85	<0.77	<15.4	1.7 "J"	==	==
1,1,2,2-Tetrachloroethane/ppb	<5.2	<5.2	<0.52	<5.2	<0.52	<2.6	<2.6	<0.52	<10.4	<0.52	0.2	0.02
1,1,1,2-Tetrachloroethane/ppb	<4.8	<4.8	<0.48	<4.8	<0.48	<2.4	<2.4	<0.48	<9.6	<0.48	70	7
Tetrachloroethene (PCE)/ppb	<4.9	6.8 "J"	1470	<4.9	5500	<2.45	<2.45	14.7	880	<0.49	5	0.5
Toluene/ppb	<4.4	7.9 "J"	0.50 "J"	200	<0.44	<2.2	<2.2	<0.44	<8.8	0.74 "J"	800	160
1,2,4-Trichlorobenzene/ppb	<17	<17	<1.7	<17	<1.7	<8.5	<8.5	<1.7	<34	<1.7	70	14
1,2,3-Trichlorobenzene/ppb	<27	<27	<2.7	<27	<2.7	<13.5	<13.5	<2.7	<54	<2.7	==	==
1,1,1-Trichloroethane/ppb	<8.4	<8.4	<0.84	<8.4	<0.84	<4.2	<4.2	<0.84	<16.8	<0.84	200	40
1,1,2-Trichloroethane/ppb	<4.8	<4.8	<0.48	<4.8	<0.48	<2.4	<2.4	<0.48	<9.6	<0.48	5	0.5
Trichloroethene (TCE)/ppb	<4.7	<4.7	880	<4.7	2740	<2.35	<2.35	6.6	2480	<0.47	5	0.5
Trichlorofluoromethane/ppb	<8.7	<8.7	<0.87	<8.7	<0.87	<4.35	<4.35	<0.87	<17.4	<0.87	==	==
1,2,4-Trimethylbenzene/ppb	<16	77	<1.6	620	<1.6	<8	<8	<1.6	<32	<1.6	==	==
1,3,5-Trimethylbenzene/ppb	<15	22.3 "J"	<1.5	139	<1.5	<7.5	<7.5	<1.5	<30	<1.5	Total TMB's 480	Total TMB's 96
Vinyl Chloride/ppb	<1.7	11.8	131	370	105	<0.85	<0.85	<0.17	40	<0.17	0.2	0.02
m&p-Xylene/ppb	<22	194	<2.2	1130	<2.2	<11	<11	<2.2	<44	<2.2	==	==
o-Xylene/ppb	<9	<9	<0.9	146	<0.9	<4.5	<4.5	<0.9	<18	<0.9	Total Xylenes 2000	Total Xylenes 400

NS = not sampled, NM = Not Measured
Q = Analyte detected above laboratory method detection limit but below practical quantitation limit.
= = No Exceedences
(ppb) = parts per billion
(ppm) = parts per million
"J" Flag: Analyte detected between LOD and LOQ LOD Limit of Detection LOQ Limit of Quantitation

A.2 Soil Analytical Results Table
 Badger Lease & Auto Sales BRRTS #03-41-005185

Sample ID	Depth (feet)	Saturation U/S	Date	PID	Lead (ppm)	DRO (ppm)	GRO (ppm)	Benzene (ppm)	Ethyl Benzene (ppm)	MTBE (ppm)	Naphthalene (ppm)	Toluene (ppm)	1,2,4-Trime-thylbenzene (ppm)	1,3,5-Trime-thylbenzene (ppm)	Xylene (Total) (ppm)	Other VOC's (ppb) ppm	DIRECT CONTACT PVOC & PAH COMBINED					
																	Exceedance Count	Hazard Index	Cumulative Cancer Risk			
MW-1	9-11	S	02/15/96	307.0	<4.7	NS	238	0.591	4.54	NS	2.65	0.552	11.40	3.31	19.80	3.75 n-Butylbenzene, 1.29 Isopropyl Ether, 1.94 n-Propylbenzene						
MW-1	19-21	S	02/15/96	0.0	<4.7	NS	<6.3	0.0078	<0.0037	NS	<0.0037	<0.0073	<0.0037	<0.0037	<0.0037	0.00413 Tetrachloroethylene, 0.00732 Trichloroethylene						
MW-2	11-13	S	02/15/96	1621.0	<4.7	NS	450	1.25	11.70	NS	6.77	2.25	26.30	7.58	43.84	9.34 n-Butylbenzene, 3.75 Isopropyl Ether, 5.22 n-Propylbenzene						
B-3	9-11	S	02/15/96	984.0	<4.7	NS	803	0.197	1.32	NS	0.837	1.04	2.14	3.99	1.378	10.2 n-Butylbenzene, 1.58 sec-Butylbenzene, 1 Isopropylbenzene, 0.37 Isopropyl Ether, 0.823 p-Isopropyltoluene 3.09 n-Propylbenzene						
B-3	13-15	S	02/15/96	12.0	<4.9	NS	30	0.0527	0.0281	NS	0.0701	0.135	0.39	0.149	0.1581	0.451 n-Butylbenzene, 0.062 sec-Butylbenzene, 0.0682 Isopropylbenzene, 0.0793 Isopropyl Ether, 0.0293 p-Isopropyltoluene 0.366 n-Propylbenzene, 0.0335 Tetrachloroethylene						
B-4	5-7	S	02/15/96	1321.0	12.3	NS	752	<101	<101	NS	<101	<101	<101	<101	<101	2650 Tetrachloroethylene						
B-4	17-19	S	02/15/96	2.6	<5.0	NS	9	<0.001	<0.0049	NS	<0.0049	<0.0049	<0.0049	<0.0049	0.0089	0.00774 1,2-Dichloroethane, 0.0156 1,1-Dichloroethylene, 0.13 cis-1,2-Dichloroethene & 2,2-Dichloropropane, 0.0197 Tetrachloroethylene, 0.03 Trichloroethylene						
MW-3	3-5	S	02/16/96	1.6	19	NS	<6.3	<0.026	<0.026	NS	<0.0026	<0.026	<0.026	<0.0026	0.03	NS						
MW-3	7-9	S	02/16/96	0.0	<4.9	NS	<6.3	0.0011	<0.0055	NS	<0.0055	<0.011	<0.0055	<0.0055	0.00645	NS						
B-5	3-5	S	02/16/96	33.8	8.4	NS	40	<0.024	0.0273	NS	<0.024	0.168	<0.024	<0.024	0.1453	NS	0	2.12E-02	3.7E-09			
B-5	13-15	S	02/16/96	2.1	<4.7	NS	<6.3	<0.0008	<0.0042	NS	<0.0042	<0.0084	<0.0042	<0.0042	<0.0042	0.00501 Tetrachloroethylene						
B-6	3-5	U	02/16/96	6.1	12.70	NS	<6.3	<0.0012	<0.006	NS	<0.006	<0.012	<0.006	<0.006	<0.006	0.0081 Tetrachloroethylene	0	3.18E-02	2.6E-10			
B-6	17-19	S	02/16/96	2.1	<51	NS	<6.3	<0.0009	<0.0043	NS	<0.0043	<0.0086	<0.0043	<0.0043	<0.0043	SEE VOC SHEET						
MW-4	2-4	U	06/13/02	NS	NS	NS	NS	<0.029	<0.029	NS	<0.029	<0.029	<0.029	NS	<0.041	5.57 Tetrachloroethene, 0.081 Trichloroethene	0	9.36E-02	3.1E-07			
MW-4	12-14	S	06/13/02	NS	NS	NS	NS	<0.031	<0.031	NS	<0.029	<0.031	<0.029	<0.029	<0.044	1.38 cis-1,2-Dichloroethene						
MW-5	10-12	S	06/13/02	NS	NS	NS	NS	0.181	3.60	NS	3.01	0.65	7.94	2.89	11.70	1.44 cis-1,2-Dichloroethene						
MW-6	2-4	U	06/13/02	NS	NS	NS	NS	<0.028	<0.028	NS	<0.028	<0.028	<0.028	NS	<0.040	0.114 Tetrachloroethene	0	3.27E-02	3.7E-09			
MW-6	8-10	S	06/13/02	NS	NS	NS	NS	<0.031	<0.031	NS	<0.031	<0.031	<0.031	<0.031	<0.0043	4.79 cis-1,2-Dichloroethene						
MW-7	2-4	U	06/13/02	NS	NS	NS	NS	<0.028	<0.028	NS	<0.028	<0.028	<0.028	NS	<0.042	NS	0					
MW-7	12-14	S	06/13/02	NS	NS	NS	NS	<0.030	<0.030	NS	<0.030	<0.030	<0.030	<0.030	<0.042	0.214 cis-1,2-Dichloroethene						
MW-8	4-6	U	06/13/02	NS	NS	NS	NS	<0.032	<0.032	NS	<0.032	<0.032	<0.032	NS	<0.044	0.421 Tetrachloroethene						
MW-8	10-12	S	06/13/02	NS	NS	NS	NS	<0.031	<0.031	NS	<0.031	<0.031	<0.031	<0.031	<0.044	0.452 cis-1,2-Dichloroethene						
PZ-1	2-4	U	06/13/02	NS	NS	NS	NS	<0.028	<0.028	NS	<0.028	<0.028	<0.028	NS	<0.040	0.262 Tetrachloroethene	0	3.40E-02	8.5E09			
PZ-1	18-20	S	06/13/02	NS	NS	NS	NS	<0.028	<0.028	NS	<0.028	<0.028	<0.028	<0.028	<0.040	NS						
PZ-2	16-18	S	06/13/02	NS	NS	NS	NS	<0.029	<0.029	NS	<0.029	<0.029	<0.029	<0.029	<0.041	NS						
Groundwater RCL								27	-	-	0.00512	1.57	0.027	0.659	1.11	1.38	3.94	-				
Non-Industrial Direct Contact RCL								400	-	-	1.49	7.47	59.4	5.15	818	89.8	182	258		1.00E+00	1.00E-05	
Industrial Direct Contact RCL								(800)	-	-	(7.41)	(37)	(293)	(26)	(818)	(219)	(182)	(258)	-		1.00E+00	1.00E-05
Soil Saturation Concentration (C-sat)*								-	-	-	1820*	480*	8870*	-	818*	219*	182*	258*	-			

Bold = Groundwater RCL Exceedance
Bold & Underline = Non Industrial Direct Contact RCL Exceedance
(Bold & Parentheses) = Industrial Direct Contact RCL Exceedance
Bold & Asteric * = C-sat Exceedance

U=UNSATURATED (BASED ON ALL TIME LOW WATER TABLE PER WDNR)

S=SATURATED (BASED ON ALL TIME LOW WATER TABLE PER WDNR)

Italics = Industrial Direct Contact RCL
 NS = Not Sampled
 NM = Not Measured

(ppm) = parts per million
 DRO = Diesel Range Organics
 GRO = Gasoline Range Organics
 PID = Photoionization Detector
 PVOC's = Petroleum Volatile Organic Compounds
 VOC's = Volatile Organic Compounds

Note: Non-Industrial RCLs apply to this site.

A.6 Water Level Elevations
Badger Lease & Auto Sales BRRTS #03-41-005185
West Allis, Wisconsin

	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW8	MW-9	MW-10	MW-11	PZ-1	PZ-2
Ground Surface (feet msl)	789.99	788.92	790.58	789.42	788.64	788.98	790.46	789.51	789.86	789.06	788.29	788.86	790.08
PVC top (feet msl)	789.66	788.53	790.24	788.93	788.38	788.73	789.91	789.23	789.36	788.65	787.78	788.41	789.76
Well Depth (feet)	19.00	19.00	NM	13.00	14.00	14.00	13.00	14.00	15.00	15.00	15.00	NM	NM
Top of screen (feet msl)	780.99	779.92	NM	786.42	784.64	784.98	787.46	785.51	784.86	784.06	783.29	NM	NM
Bottom of screen (feet msl)	770.99	769.92	NM	776.42	774.64	774.98	777.46	775.51	774.86	774.06	773.29	NM	NM
Depth to Water From Top of PVC (feet)													
03/01/96	7.68	8.86	5.10	NM	NM	NM	NM	NM	NI	NI	NI	NI	NI
07/03/97	6.32	5.12	3.79	NM	NM	NM	NM	NM	NI	NI	NI	NI	NI
07/24/02	NM	NM	NM	NM	NM	NM	NM	NM	NI	NI	NI	NI	NI
10/11/02	NM	NM	NM	NM	NM	NM	NM	NM	NI	NI	NI	NM	NM
11/14/16	5.74	5.71	4.41	4.51	6.15	6.30	5.18	5.95	5.05	7.75	7.33	2.69	19.18
Depth to Water From Ground Surface (feet)													
03/01/96	8.01	9.25	5.44	NM	NM	NM	NM	NM	NI	NI	NI	NI	NI
07/03/97	6.65	5.51	4.13	NM	NM	NM	NM	NM	NI	NI	NI	NI	NI
07/24/02	NM	NM	NM	NM	NM	NM	NM	NM	NI	NI	NI	NI	NI
10/11/02	NM	NM	NM	NM	NM	NM	NM	NM	NI	NI	NI	NM	NM
11/14/16	6.07	6.10	4.75	5.00	6.41	6.55	5.73	6.23	5.55	8.16	7.84	NM	NM
Groundwater Elevation (feet msl)													
03/01/96	781.98	779.67	785.14	NM	NM	NM	NM	NM	NI	NI	NI	NI	NI
07/03/97	783.34	783.41	786.45	NM	NM	NM	NM	NM	NI	NI	NI	NI	NI
07/24/02	NM	NM	NM	NM	NM	NM	NM	NM	NI	NI	NI	NI	NI
10/11/02	NM	NM	NM	NM	NM	NM	NM	NM	NI	NI	NI	NM	NM
11/14/16	783.92	782.82	785.83	784.42	782.23	782.43	784.73	783.28	784.31	780.90	780.45	785.72	770.58

CNL = Could Not Locate

A = Abandoned and removed during soil excavation project

NI = Not Installed

NM = Not Measured

A.7 Other

Groundwater NA Indicator Results

Badger Lease & Auto Sales BRRTS #03-41-005185

Well MW-1

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
11/14/16	1.06	7.02	3	15.1	424	NS	NS	NS	NS
ENFORCE MENT STANDARD = ES – Bold						10	-	-	300
PREVENTIVE ACTION LIMIT = PAL - Italics						2	-	-	60

(ppb) = parts per billion (ppm) = parts per million

ns = not sampled

nm = not measured

ORP = Oxidation Reduction Potential

Note: Elevations are presented in feet mean sea level (msl).

Well MW-2

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
11/14/16	1.19	6.99	192	14.4	6	NS	NS	NS	NS
ENFORCE MENT STANDARD = ES – Bold						10	-	-	300
PREVENTIVE ACTION LIMIT = PAL - Italics						2	-	-	60

(ppb) = parts per billion (ppm) = parts per million

ns = not sampled

nm = not measured

ORP = Oxidation Reduction Potential

Note: Elevations are presented in feet mean sea level (msl).

Well MW-3

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
11/14/16	NOT SAMPLED					NS	NS	NS	NS
ENFORCE MENT STANDARD = ES – Bold						10	-	-	300
PREVENTIVE ACTION LIMIT = PAL - Italics						2	-	-	60

(ppb) = parts per billion (ppm) = parts per million

ns = not sampled

nm = not measured

ORP = Oxidation Reduction Potential

Note: Elevations are presented in feet mean sea level (msl).

Well MW-4

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
11/14/16	3.81	6.87	216	13.9	1114	NS	NS	NS	NS
ENFORCE MENT STANDARD = ES – Bold						10	-	-	300
PREVENTIVE ACTION LIMIT = PAL - Italics						2	-	-	60

(ppb) = parts per billion (ppm) = parts per million

ns = not sampled

nm = not measured

ORP = Oxidation Reduction Potential

Note: Elevations are presented in feet mean sea level (msl).

A.7 Other
Groundwater NA Indicator Results
Badger Lease & Auto Sales BRRTS #03-41-005185

Well MW-5

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
11/14/16	1.37	6.48	86	14.7	611	NS	NS	NS	NS
ENFORCE MENT STANDARD = ES - Bold						10	-	-	300
PREVENTIVE ACTION LIMIT = PAL - Italics						2	-	-	60

(ppb) = parts per billion (ppm) = parts per million
 ns = not sampled nm = not measured ORP = Oxidation Reduction Potential
 Note: Elevations are presented in feet mean sea level (msl).

Well MW-6

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
11/14/16	2.61	6.94	229	15.1	1273	NS	NS	NS	NS
ENFORCE MENT STANDARD = ES - Bold						10	-	-	300
PREVENTIVE ACTION LIMIT = PAL - Italics						2	-	-	60

(ppb) = parts per billion (ppm) = parts per million
 ns = not sampled nm = not measured ORP = Oxidation Reduction Potential
 Note: Elevations are presented in feet mean sea level (msl).

Well MW-7

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
11/14/16	2.19	6.56	12	14.2	1162	NS	NS	NS	NS
ENFORCE MENT STANDARD = ES - Bold						10	-	-	300
PREVENTIVE ACTION LIMIT = PAL - Italics						2	-	-	60

(ppb) = parts per billion (ppm) = parts per million
 ns = not sampled nm = not measured ORP = Oxidation Reduction Potential
 Note: Elevations are presented in feet mean sea level (msl).

Well MW-8

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
11/14/16	2.41	6.68	114	14.4	197	NS	NS	NS	NS
ENFORCE MENT STANDARD = ES - Bold						10	-	-	300
PREVENTIVE ACTION LIMIT = PAL - Italics						2	-	-	60

(ppb) = parts per billion (ppm) = parts per million
 ns = not sampled nm = not measured ORP = Oxidation Reduction Potential
 Note: Elevations are presented in feet mean sea level (msl).

A.7 Other
Groundwater NA Indicator Results
Badger Lease & Auto Sales BRRTS #03-41-005185

Well MW-9

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
11/14/16	4.67	6.43	253	13.6	911	NS	NS	NS	NS
ENFORCE MENT STANDARD = ES – Bold						10	-	-	300
PREVENTIVE ACTION LIMIT = PAL - Italics						2	-	-	60

(ppb) = parts per billion (ppm) = parts per million
 ns = not sampled nm = not measured ORP = Oxidation Reduction Potential
 Note: Elevations are presented in feet mean sea level (msl).

Well MW-10

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
11/14/16	4.32	7.03	267	13.6	744	NS	NS	NS	NS
ENFORCE MENT STANDARD = ES – Bold						10	-	-	300
PREVENTIVE ACTION LIMIT = PAL - Italics						2	-	-	60

(ppb) = parts per billion (ppm) = parts per million
 ns = not sampled nm = not measured ORP = Oxidation Reduction Potential
 Note: Elevations are presented in feet mean sea level (msl).

Well MW-11

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
11/14/16	4.95	6.96	261	13.7	811	NS	NS	NS	NS
ENFORCE MENT STANDARD = ES – Bold						10	-	-	300
PREVENTIVE ACTION LIMIT = PAL - Italics						2	-	-	60

(ppb) = parts per billion (ppm) = parts per million
 ns = not sampled nm = not measured ORP = Oxidation Reduction Potential
 Note: Elevations are presented in feet mean sea level (msl).

Well PZ-1

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
11/14/16	NOT SAMPLED					NS	NS	NS	NS
ENFORCE MENT STANDARD = ES – Bold						10	-	-	300
PREVENTIVE ACTION LIMIT = PAL - Italics						2	-	-	60

(ppb) = parts per billion (ppm) = parts per million
 ns = not sampled nm = not measured ORP = Oxidation Reduction Potential
 Note: Elevations are presented in feet mean sea level (msl).

A.7 Other
 Groundwater NA Indicator Results
 Badger Lease & Auto Sales BRRTS #03-41-005185

Well PZ-2

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
11/14/16	NOT SAMPLED					NS	NS	NS	NS
ENFORCE MENT STANDARD = ES – Bold						10	-	-	300
PREVENTIVE ACTION LIMIT = <i>PAL - Italics</i>						<i>2</i>	-	-	<i>60</i>

(ppb) = parts per billion (ppm) = parts per million
 ns = not sampled nm = not measured ORP = Oxidation Reduction Potential
 Note: Elevations are presented in feet mean sea level (msl).

Facility/Project Name Badger Lease & Auto	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name MW-9
Facility License, Permit or Monitoring No.	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/> Lat. "Long. " or "or"	Wis. Unique Well No. VP 391 DNR Well ID No.
Facility ID	St. Plane ft. N. ft. E. S/C/N	Date Well Installed 7/1/2016 m m d d y y y y
Type of Well Well Code 11, MW	Section Location of Waste/Source 1/4 of 1/4 of Sec. T. N, R. <input type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: Name (first, last) and Firm Darrin Prentice Geiss Soil & Samples LLC
Distance from Waste/Source ft.	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	
Enf. Stds. Apply <input type="checkbox"/>	Gov. Lot Number	

A. Protective pipe, top elevation ----- ft. MSL

B. Well casing, top elevation ----- ft. MSL

C. Land surface elevation ----- ft. MSL

D. Surface seal, bottom ----- ft. MSL or **0** ft.

12. USCS classification of soil near screen:
 GP GM GC GW SW SP
 SM SC ML MH CL CH
 Bedrock

13. Sieve analysis performed? Yes No

14. Drilling method used: Rotary 5 0
 Hollow Stem Auger 4 1
 Other

15. Drilling fluid used: Water 0 2 Air 0 1
 Drilling Mud 0 3 None 9 9

16. Drilling additives used? Yes No

Describe _____

17. Source of water (attach analysis, if required): _____

1. Cap and lock? Yes No

2. Protective cover pipe:
 a. Inside diameter: **8** in.
 b. Length: **1** ft.
 c. Material: Steel 0 4
 Other

d. Additional protection? Yes No
 If yes, describe: _____

3. Surface seal:
 Bentonite 3 0
 Concrete 0 1
 Other

4. Material between well casing and protective pipe:
 Bentonite 3 0
 Other

5. Annular space seal:
 a. Granular/Chipped Bentonite 3 3
 b. ___ Lbs/gal mud weight ... Bentonite-sand slurry 3 5
 c. ___ Lbs/gal mud weight ... Bentonite slurry 3 1
 d. ___ % Bentonite ... Bentonite-cement grout 5 0
 e. ___ Ft³ volume added for any of the above
 f. How installed: Tremie 0 1
 Tremie pumped 0 2
 Gravity 0 8

6. Bentonite seal:
 a. Bentonite granules 3 3
 b. 1/4 in. 3/8 in. 1/2 in. Bentonite chips 3 2
 c. Other

7. Fine sand material: Manufacturer, product name & mesh size
 a. **#15 Red Flint**
 b. Volume added _____ ft³

8. Filter pack material: Manufacturer, product name & mesh size
 a. **#40 Red Flint**
 b. Volume added _____ ft³

9. Well casing: Flush threaded PVC schedule 40 2 3
 Flush threaded PVC schedule 80 2 4
 Other

10. Screen material: **PVC**
 a. Screen type: Factory cut 1 1
 Continuous slot 0 1
 Other

b. Manufacturer **Johnson**
 c. Slot size: **0.010** in.
 d. Slotted length: **10** ft.

11. Backfill material (below filter pack): None 1 4
 Other

E. Bentonite seal, top ----- ft. MSL or **5** ft.

F. Fine sand, top ----- ft. MSL or **3** ft.

G. Filter pack, top ----- ft. MSL or **4** ft.

H. Screen joint, top ----- ft. MSL or **5** ft.

I. Well bottom ----- ft. MSL or **15** ft.

J. Filter pack, bottom ----- ft. MSL or **16** ft.

K. Borehole, bottom ----- ft. MSL or **16** ft.

L. Borehole, diameter **8.25** in.

M. O.D. well casing **2.40** in.

N. I.D. well casing **2.06** in.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature **Darrin Prentice** Firm **Geiss Soil & Samples LLC**

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Route to: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Badger Lease & Auto	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name MW-10
Facility License, Permit or Monitoring No.	Local Grid Origin (estimated: <input type="checkbox"/>) or Well Location Lat. " Long. " or " " or " "	Wis. Unique Well No. VP 392 DNR Well ID No.
Facility ID	St. Plane _____ ft. N. _____ ft. E. S/C/N	Date Well Installed 7/1/02/2016 m m d d y y y y
Type of Well Well Code 11, MW	Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N. R. <input type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: Name (first, last) and Firm Darrin Prentice Geiss Soil & Samples LLC
Distance from Waste/Source _____ ft.	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	

- A. Protective pipe, top elevation _____ ft. MSL
- B. Well casing, top elevation _____ ft. MSL
- C. Land surface elevation _____ ft. MSL
- D. Surface seal, bottom _____ ft. MSL or 0 ft.

12. USCS classification of soil near screen:
 GP GM GC GW SW SP
 SM SC ML MH CL CH
 Bedrock

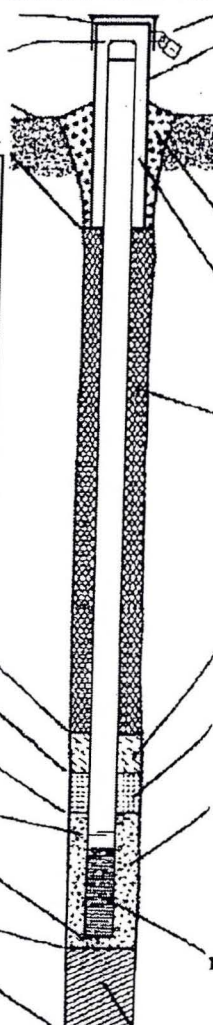
13. Sieve analysis performed? Yes No

14. Drilling method used: Rotary 50
 Hollow Stem Auger 41
 Other

15. Drilling fluid used: Water 02 Air 01
 Drilling Mud 03 None 99

16. Drilling additives used? Yes No
 Describe _____

17. Source of water (attach analysis, if required):



1. Cap and lock? Yes No
2. Protective cover pipe:
 a. Inside diameter: 8 in.
 b. Length: 1 ft.
 c. Material: Steel 04
 Other
- d. Additional protection? Yes No
 If yes, describe: _____
3. Surface seal:
 Bentonite 30
 Concrete 01
 Other
4. Material between well casing and protective pipe:
 Bentonite 30
 Other
5. Annular space seal:
 a. Granular/Chipped Bentonite 33
 b. _____ Lbs/gal mud weight ... Bentonite-sand slurry 35
 c. _____ Lbs/gal mud weight ... Bentonite slurry 31
 d. _____ % Bentonite ... Bentonite-cement grout 50
 e. _____ Ft³ volume added for any of the above
 f. How installed: Tremie 01
 Tremie pumped 02
 Gravity 08
6. Bentonite seal:
 a. Bentonite granules 33
 b. 1/4 in. 3/8 in. 1/2 in. Bentonite chips 32
 c. _____ Other
7. Fine sand material: Manufacturer, product name & mesh size
 a. #15 Red Flint
 b. Volume added _____ ft³
8. Filter pack material: Manufacturer, product name & mesh size
 a. #40 Red Flint
 b. Volume added _____ ft³
9. Well casing: Flush threaded PVC schedule 40 23
 Flush threaded PVC schedule 80 24
 Other
10. Screen material: PVC
 a. Screen type: Factory cut 11
 Continuous slot 01
 Other
- b. Manufacturer Johnson
 c. Slot size: 0.010 in.
 d. Slotted length: 10 ft.
11. Backfill material (below filter pack): None 14
 Other

- E. Bentonite seal, top _____ ft. MSL or 5 ft.
- F. Fine sand, top _____ ft. MSL or 3 ft.
- G. Filter pack, top _____ ft. MSL or 4 ft.
- H. Screen joint, top _____ ft. MSL or 5 ft.
- I. Well bottom _____ ft. MSL or 15 ft.
- J. Filter pack, bottom _____ ft. MSL or 16 ft.
- K. Borehole, bottom _____ ft. MSL or 16 ft.
- L. Borehole, diameter 8.25 in.
- M. O.D. well casing 2.40 in.
- N. I.D. well casing 2.06 in.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Darrin Prentice Firm Geiss Soil & Samples LLC

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Facility/Project Name Badger Lease & Auto		Local Grid Location of Well _____ ft. <input type="checkbox"/> N. _____ ft. <input type="checkbox"/> E. _____ ft. <input type="checkbox"/> S. _____ ft. <input type="checkbox"/> W.		Well Name MW-11	
Facility License, Permit or Monitoring No.		Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/>		Wis. Unique Well No. VP393 DNR Well ID No. _____	
Facility ID _____		Lat. _____ " Long. _____ " or _____		Date Well Installed 7/1, 02, 2016 m m d d y y v v y y	
Type of Well Well Code 11, MW		Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____, T. _____ N, R. _____ <input type="checkbox"/> E <input type="checkbox"/> W		Well Installed By: Name (first, last) and Firm Darrin Prentice Geiss Soil & Samples LLC	
Distance from Waste/Source _____ ft.		Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known		Gov. Lot Number _____	
Enf. Stds. Apply <input type="checkbox"/>					

<p>A. Protective pipe, top elevation _____ ft. MSL</p> <p>B. Well casing, top elevation _____ ft. MSL</p> <p>C. Land surface elevation _____ ft. MSL</p> <p>D. Surface seal, bottom _____ ft. MSL or 0 ft.</p>	<p>1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>2. Protective cover pipe: a. Inside diameter: _____ in. b. Length: _____ ft. c. Material: Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/></p> <p>d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____</p> <p>3. Surface seal: Bentonite <input checked="" type="checkbox"/> 30 Concrete <input checked="" type="checkbox"/> 01 Other <input type="checkbox"/></p> <p>4. Material between well casing and protective pipe: Bentonite <input checked="" type="checkbox"/> 30 Other <input type="checkbox"/></p> <p>5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 33 b. _____ Lbs/gal mud weight ... Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight ... Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite ... Bentonite-cement grout <input type="checkbox"/> 50 e. _____ Ft³ volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08</p> <p>6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 32 c. _____ Other <input type="checkbox"/></p> <p>7. Fine sand material: Manufacturer, product name & mesh size a. #15 Red Flint b. Volume added _____ ft³</p> <p>8. Filter pack material: Manufacturer, product name & mesh size a. #40 Red Flint b. Volume added _____ ft³</p> <p>9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/></p> <p>10. Screen material: PVC a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/></p> <p>b. Manufacturer Johnson c. Slot size: 0.010 in. d. Slotted length: 1.0 ft.</p> <p>11. Backfill material (below filter pack): None <input type="checkbox"/> 14 Other <input checked="" type="checkbox"/></p>
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<p>12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/></p> <p>13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input checked="" type="checkbox"/> 41 Other <input type="checkbox"/></p> <p>15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99</p> <p>16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Describe: _____</p> <p>17. Source of water (attach analysis, if required): _____</p>	
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<p>E. Bentonite seal, top _____ ft. MSL or 5 ft.</p> <p>F. Fine sand, top _____ ft. MSL or 3 ft.</p> <p>G. Filter pack, top _____ ft. MSL or 4 ft.</p> <p>H. Screen joint, top _____ ft. MSL or 5 ft.</p> <p>I. Well bottom _____ ft. MSL or 15 ft.</p> <p>J. Filter pack, bottom _____ ft. MSL or 16 ft.</p> <p>K. Borehole, bottom _____ ft. MSL or 16 ft.</p> <p>L. Borehole, diameter 8.25 in.</p> <p>M. O.D. well casing 2.40 in.</p> <p>N. I.D. well casing 2.06 in.</p>	
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I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature **Darrin Prentice** Firm **Geiss Soil & Samples LLC**

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Route To: Watershed / Wastewater: Waste Management:
Remediation / Redevelopment: Other: _____
 Page 1 of 1

Facility / Project Name		License / Permit / Monitoring Number		Boring Number
Badger Lease & Auto Sales Inc.				MW-9
Boring Drilled By: Name of crew chief (first, last) and Firm		Drilling Date Started	Drilling Date Completed	Drilling Method
First: Darrin	Last: Prentice	11/02/2016	11/02/2016	H.S.A.
Firm: Geiss		MM/DD/YYYY	MM/DD/YYYY	
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation
VP391		MW-9		750 Feet MSL
Local Grid Origin (estimated X) or Boring Location		Local Grid Location		
State Plane	N, E	Lat 43° 0' 58"	N E	
NW ¼ of NE ¼ of Section 5, T 6 N, R 21 E		Long 88° 1' 55"	Feet S	Feet W
Facility ID	County	County Code	Civil Town / City / Village	
241855460	Milwaukee	41	West Allis	

Sample				Soil Properties										
Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
			2 4 6 8 10 12 14 16 18 20 22 24	Blind drilled to 16 feet Clay	CL	See Well Construction Form								
				EOB at 16 feet. Installed MW-9 to 15 feet bgs with a 10 ft screen.										

I hereby certify that the information on this form is true and correct to the best of my knowledge

Signature:

Firm: **METCO**

Route To: Watershed / Wastewater: Waste Management:
Remediation / Redevelopment: Other: _____ Page 1 of 1

Facility / Project Name Badger Lease & Auto Sales Inc.		License / Permit / Monitoring Number		Boring Number MW-10	
Boring Drilled By: Name of crew chief (first, last) and Firm First: Darrin Last: Prentice Firm: Geiss		Drilling Date Started 11/02/2016 MM/DD/YYYY		Drilling Date Completed 11/02/2016 MM/DD/YYYY	
Drilling Method H.S.A.		WI Unique Well No. VP392 DNR Well ID No. MW-10 Well Name		Final Static Water Level	
Local Grid Origin (estimated X) or Boring Location		Surface Elevation 750 Feet MSL		Borehole Diameter 8 inches	
State Plane N, E		Lat 43° 0' 58"		Local Grid Location N E	
NW ¼ of NE ¼ of Section 5, T 6 N, R 21 E		Long 88° 1' 55"		Feet S Feet W	
Facility ID 241855460		County Milwaukee		County Code 41	
		Civil Town / <u>City</u> / Village West Allis			

Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	Soil Properties						RQD / Comments
								PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
			2 4 6 8 10 12 14 16 18 20 22 24	Blind drilled to 16 feet Clay	CL	See Well Construction Form								
				EOB at 16 feet. Installed MW-10 to 15 feet bgs with a 10 ft screen.										

I hereby certify that the information on this form is true and correct to the best of my knowledge

Signature: 

Firm: **METCO**

Route To: Watershed / Wastewater: _____ Waste Management: _____
 Remediation / Redevelopment: Other: _____ Page 1 of 1

Facility / Project Name Badger Lease & Auto Sales Inc.		License / Permit / Monitoring Number		Boring Number MW-11
Boring Drilled By: Name of crew chief (first, last) and Firm First: Darrin Last: Prentice Firm: Geiss		Drilling Date Started 11/02/2016 MM/DD/YYYY	Drilling Date Completed 11/02/2016 MM/DD/YYYY	Drilling Method H.S.A.
WI Unique Well No. VP393	DNR Well ID No. MW-11	Well Name MW-11	Final Static Water Level 740 Feet MSL	Surface Elevation 750 Feet MSL Borehole Diameter 8 inches
Local Grid Origin (estimated X) or Boring Location State Plane N, E NW ¼ of NE ¼ of Section 5, T 6 N, R 21 E			Local Grid Location N E Feet S Feet W	
Facility ID 241855460	County Milwaukee	County Code 41	Civil Town / City / Village West Allis	

Sample				Soil Properties										
Number & Type	Length Alt. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
			2 4 6 8 10 12 14 16 18 20 22 24	Blind drilled to 16 feet Clay	CL	[Hatched Box]	See Well Construction Form							
				EOB at 16 feet. Installed MW-11 to 15 feet bgs with a 10 ft screen.										

I hereby certify that the information on this form is true and correct to the best of my knowledge
 Signature: Firm: **METCO**

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Route to: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Badger Lease & Auto Sales Inc.	County Name MILWAUKEE	Well Name MW-11
Facility License, Permit or Monitoring Number	County Code 41	Wis. Unique Well Number VP393
		DNR Well ID Number

1. Can this well be purged dry? Yes No

2. Well development method
- surged with bailer and bailed 41
 - surged with bailer and pumped 61
 - surged with block and bailed 42
 - surged with block and pumped 62
 - surged with block, bailed and pumped 70
 - compressed air 20
 - bailed only 10
 - pumped only 51
 - pumped slowly 50
 - Other

3. Time spent developing well 110 min.

4. Depth of well (from top of well casing) 15 ft.

5. Inside diameter of well 2 in.

6. Volume of water in filter pack and well casing 6 gal.

7. Volume of water removed from well 18 gal.

8. Volume of water added (if any) _____ gal.

9. Source of water added _____

10. Analysis performed on water added? Yes No
(If yes, attach results)

17. Additional comments on development:

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>9.43</u> ft.	<u>12.92</u> ft.
Date	b. <u>11 / 02 / 2016</u>	<u>11 / 02 / 2016</u>
Time	c. <u>12 : 05</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.	<u>01 : 55</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.

12. Sediment in well bottom _____ inches

13. Water clarity

Clear <input type="checkbox"/> 10	Clear <input checked="" type="checkbox"/> 20
Turbid <input checked="" type="checkbox"/> 15	Turbid <input type="checkbox"/> 25
(Describe) High Turbidity	(Describe) Low Turbidity
Tan	Light Gray

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids _____ mg/l

15. COD _____ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: Eric Last Name: Dahl

Firm: METCO

Name and Address of Facility Contact/Owner/Responsible Party

First Name: Christine Last Name: Vernon

Facility/Firm: _____

Street: 9601 W. Greenfield Ave.

City/State/Zip: West Allis WI 53214-

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: 

Print Name: Eric Dahl

Firm: METCO

NOTE: See instructions for more information including a list of county codes and well type codes.

Synergy Environmental Lab,

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

CHRISTINE VERNON
CHRISTINE VERNON
9601 W. GREENFIELD AVE.,
WEST ALLIS, WI 53214

Report Date 23-Nov-16

Project Name BADGER LEASE & AUTO SALES
Project #

Invoice # E32089

Lab Code 5032089A
Sample ID MW-11
Sample Matrix Water
Sample Date 11/14/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	4.8	ug/l	0.44	1.4	1	8260B		11/17/2016	CJR	1
Bromobenzene	< 0.48	ug/l	0.48	1.5	1	8260B		11/17/2016	CJR	1
Bromodichloromethane	< 0.46	ug/l	0.46	1.5	1	8260B		11/17/2016	CJR	1
Bromoform	< 0.46	ug/l	0.46	1.5	1	8260B		11/17/2016	CJR	1
tert-Butylbenzene	< 1.1	ug/l	1.1	3.4	1	8260B		11/17/2016	CJR	1
sec-Butylbenzene	< 1.2	ug/l	1.2	3.8	1	8260B		11/17/2016	CJR	1
n-Butylbenzene	< 1	ug/l	1	3.3	1	8260B		11/17/2016	CJR	1
Carbon Tetrachloride	< 0.51	ug/l	0.51	1.6	1	8260B		11/17/2016	CJR	1
Chlorobenzene	< 0.46	ug/l	0.46	1.4	1	8260B		11/17/2016	CJR	1
Chloroethane	< 0.65	ug/l	0.65	2.1	1	8260B		11/17/2016	CJR	1
Chloroform	< 0.43	ug/l	0.43	1.4	1	8260B		11/17/2016	CJR	1
Chloromethane	< 1.9	ug/l	1.9	6	1	8260B		11/17/2016	CJR	1
2-Chlorotoluene	< 0.4	ug/l	0.4	1.3	1	8260B		11/17/2016	CJR	1
4-Chlorotoluene	< 0.63	ug/l	0.63	2	1	8260B		11/17/2016	CJR	1
1,2-Dibromo-3-chloropropane	< 1.4	ug/l	1.4	4.5	1	8260B		11/17/2016	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.4	1	8260B		11/17/2016	CJR	1
1,4-Dichlorobenzene	< 0.49	ug/l	0.49	1.6	1	8260B		11/17/2016	CJR	1
1,3-Dichlorobenzene	< 0.52	ug/l	0.52	1.6	1	8260B		11/17/2016	CJR	1
1,2-Dichlorobenzene	< 0.46	ug/l	0.46	1.5	1	8260B		11/17/2016	CJR	1
Dichlorodifluoromethane	< 0.87	ug/l	0.87	2.8	1	8260B		11/17/2016	CJR	1
1,2-Dichloroethane	0.82 "J"	ug/l	0.48	1.5	1	8260B		11/17/2016	CJR	1
1,1-Dichloroethane	< 1.1	ug/l	1.1	3.6	1	8260B		11/17/2016	CJR	1
1,1-Dichloroethene	< 0.65	ug/l	0.65	2.1	1	8260B		11/17/2016	CJR	1
cis-1,2-Dichloroethene	0.95 "J"	ug/l	0.45	1.4	1	8260B		11/17/2016	CJR	1
trans-1,2-Dichloroethene	< 0.54	ug/l	0.54	1.7	1	8260B		11/17/2016	CJR	1
1,2-Dichloropropane	< 0.43	ug/l	0.43	1.37	1	8260B		11/17/2016	CJR	1
2,2-Dichloropropane	< 3.1	ug/l	3.1	9.8	1	8260B		11/17/2016	CJR	1
1,3-Dichloropropane	< 0.42	ug/l	0.42	1.3	1	8260B		11/17/2016	CJR	1
Di-isopropyl ether	< 0.44	ug/l	0.44	1.4	1	8260B		11/17/2016	CJR	1
EDB (1,2-Dibromoethane)	< 0.63	ug/l	0.63	2	1	8260B		11/17/2016	CJR	1
Ethylbenzene	< 0.71	ug/l	0.71	2.3	1	8260B		11/17/2016	CJR	1
Hexachlorobutadiene	< 2.2	ug/l	2.2	7.1	1	8260B		11/17/2016	CJR	1
Isopropylbenzene	1.39 "J"	ug/l	0.82	2.6	1	8260B		11/17/2016	CJR	1

Project #

Lab Code 5032089A
 Sample ID MW-11
 Sample Matrix Water
 Sample Date 11/14/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
p-Isopropyltoluene	< 1.1	ug/l	1.1	3.5	1	8260B		11/17/2016	CJR	1
Methylene chloride	< 1.3	ug/l	1.3	4.2	1	8260B		11/17/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 1.1	ug/l	1.1	3.7	1	8260B		11/17/2016	CJR	1
Naphthalene	< 1.6	ug/l	1.6	5.2	1	8260B		11/17/2016	CJR	1
n-Propylbenzene	1.7 "J"	ug/l	0.77	2.4	1	8260B		11/17/2016	CJR	1
1,1,2,2-Tetrachloroethane	< 0.52	ug/l	0.52	1.7	1	8260B		11/17/2016	CJR	1
1,1,1,2-Tetrachloroethane	< 0.48	ug/l	0.48	1.5	1	8260B		11/17/2016	CJR	1
Tetrachloroethene	< 0.49	ug/l	0.49	1.5	1	8260B		11/17/2016	CJR	1
Toluene	0.74 "J"	ug/l	0.44	1.4	1	8260B		11/17/2016	CJR	1
1,2,4-Trichlorobenzene	< 1.7	ug/l	1.7	5.6	1	8260B		11/17/2016	CJR	1
1,2,3-Trichlorobenzene	< 2.7	ug/l	2.7	8.6	1	8260B		11/17/2016	CJR	1
1,1,1-Trichloroethane	< 0.84	ug/l	0.84	2.7	1	8260B		11/17/2016	CJR	1
1,1,2-Trichloroethane	< 0.48	ug/l	0.48	1.52	1	8260B		11/17/2016	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B		11/17/2016	CJR	1
Trichlorofluoromethane	< 0.87	ug/l	0.87	2.8	1	8260B		11/17/2016	CJR	1
1,2,4-Trimethylbenzene	< 1.6	ug/l	1.6	5	1	8260B		11/17/2016	CJR	1
1,3,5-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	1	8260B		11/17/2016	CJR	1
Vinyl Chloride	< 0.17	ug/l	0.17	0.54	1	8260B		11/17/2016	CJR	1
m&p-Xylene	< 2.2	ug/l	2.2	6.9	1	8260B		11/17/2016	CJR	1
o-Xylene	< 0.9	ug/l	0.9	2.9	1	8260B		11/17/2016	CJR	1
SUR - 1,2-Dichloroethane-d4	97	REC %				8260B		11/17/2016	CJR	1
SUR - 4-Bromofluorobenzene	92	REC %				8260B		11/17/2016	CJR	1
SUR - Dibromofluoromethane	99	REC %				8260B		11/17/2016	CJR	1
SUR - Toluene-d8	99	REC %				8260B		11/17/2016	CJR	1

Project #

Lab Code 5032089B
 Sample ID MW-10
 Sample Matrix Water
 Sample Date 11/14/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 8.8	ug/l	8.8	28	20	8260B		11/18/2016	CJR	I
Bromobenzene	< 9.6	ug/l	9.6	30	20	8260B		11/18/2016	CJR	I
Bromodichloromethane	< 9.2	ug/l	9.2	30	20	8260B		11/18/2016	CJR	I
Bromoform	< 9.2	ug/l	9.2	30	20	8260B		11/18/2016	CJR	I
tert-Butylbenzene	< 22	ug/l	22	68	20	8260B		11/18/2016	CJR	I
sec-Butylbenzene	< 24	ug/l	24	76	20	8260B		11/18/2016	CJR	I
n-Butylbenzene	< 20	ug/l	20	66	20	8260B		11/18/2016	CJR	I
Carbon Tetrachloride	< 10.2	ug/l	10.2	32	20	8260B		11/18/2016	CJR	I
Chlorobenzene	< 9.2	ug/l	9.2	28	20	8260B		11/18/2016	CJR	I
Chloroethane	< 13	ug/l	13	42	20	8260B		11/18/2016	CJR	I
Chloroform	< 8.6	ug/l	8.6	28	20	8260B		11/18/2016	CJR	I
Chloromethane	< 38	ug/l	38	120	20	8260B		11/18/2016	CJR	I
2-Chlorotoluene	< 8	ug/l	8	26	20	8260B		11/18/2016	CJR	I
4-Chlorotoluene	< 12.6	ug/l	12.6	40	20	8260B		11/18/2016	CJR	I
1,2-Dibromo-3-chloropropane	< 28	ug/l	28	90	20	8260B		11/18/2016	CJR	I
Dibromochloromethane	< 9	ug/l	9	28	20	8260B		11/18/2016	CJR	I
1,4-Dichlorobenzene	< 9.8	ug/l	9.8	32	20	8260B		11/18/2016	CJR	I
1,3-Dichlorobenzene	< 10.4	ug/l	10.4	32	20	8260B		11/18/2016	CJR	I
1,2-Dichlorobenzene	< 9.2	ug/l	9.2	30	20	8260B		11/18/2016	CJR	I
Dichlorodifluoromethane	< 17.4	ug/l	17.4	56	20	8260B		11/18/2016	CJR	I
1,2-Dichloroethane	< 9.6	ug/l	9.6	30	20	8260B		11/18/2016	CJR	I
1,1-Dichloroethane	< 22	ug/l	22	72	20	8260B		11/18/2016	CJR	I
1,1-Dichloroethene	< 13	ug/l	13	42	20	8260B		11/18/2016	CJR	I
cis-1,2-Dichloroethene	1580	ug/l	9	28	20	8260B		11/18/2016	CJR	I
trans-1,2-Dichloroethene	57	ug/l	10.8	34	20	8260B		11/18/2016	CJR	I
1,2-Dichloropropane	< 8.6	ug/l	8.6	27.4	20	8260B		11/18/2016	CJR	I
2,2-Dichloropropane	< 62	ug/l	62	196	20	8260B		11/18/2016	CJR	I
1,3-Dichloropropane	< 8.4	ug/l	8.4	26	20	8260B		11/18/2016	CJR	I
Di-isopropyl ether	< 8.8	ug/l	8.8	28	20	8260B		11/18/2016	CJR	I
EDB (1,2-Dibromoethane)	< 12.6	ug/l	12.6	40	20	8260B		11/18/2016	CJR	I
Ethylbenzene	< 14.2	ug/l	14.2	46	20	8260B		11/18/2016	CJR	I
Hexachlorobutadiene	< 44	ug/l	44	142	20	8260B		11/18/2016	CJR	I
Isopropylbenzene	< 16.4	ug/l	16.4	52	20	8260B		11/18/2016	CJR	I
p-Isopropyltoluene	< 22	ug/l	22	70	20	8260B		11/18/2016	CJR	I
Methylene chloride	< 26	ug/l	26	84	20	8260B		11/18/2016	CJR	I
Methyl tert-butyl ether (MTBE)	< 22	ug/l	22	74	20	8260B		11/18/2016	CJR	I
Naphthalene	< 32	ug/l	32	104	20	8260B		11/18/2016	CJR	I
n-Propylbenzene	< 15.4	ug/l	15.4	48	20	8260B		11/18/2016	CJR	I
1,1,2,2-Tetrachloroethane	< 10.4	ug/l	10.4	34	20	8260B		11/18/2016	CJR	I
1,1,1,2-Tetrachloroethane	< 9.6	ug/l	9.6	30	20	8260B		11/18/2016	CJR	I
Tetrachloroethene	880	ug/l	9.8	30	20	8260B		11/18/2016	CJR	I
Toluene	< 8.8	ug/l	8.8	28	20	8260B		11/18/2016	CJR	I
1,2,4-Trichlorobenzene	< 34	ug/l	34	112	20	8260B		11/18/2016	CJR	I
1,2,3-Trichlorobenzene	< 54	ug/l	54	172	20	8260B		11/18/2016	CJR	I
1,1,1-Trichloroethane	< 16.8	ug/l	16.8	54	20	8260B		11/18/2016	CJR	I
1,1,2-Trichloroethane	< 9.6	ug/l	9.6	30.4	20	8260B		11/18/2016	CJR	I
Trichloroethene (TCE)	2480	ug/l	9.4	30	20	8260B		11/18/2016	CJR	I
Trichlorofluoromethane	< 17.4	ug/l	17.4	56	20	8260B		11/18/2016	CJR	I
1,2,4-Trimethylbenzene	< 32	ug/l	32	100	20	8260B		11/18/2016	CJR	I
1,3,5-Trimethylbenzene	< 30	ug/l	30	96	20	8260B		11/18/2016	CJR	I
Vinyl Chloride	40	ug/l	3.4	10.8	20	8260B		11/18/2016	CJR	I
m&p-Xylene	< 44	ug/l	44	138	20	8260B		11/18/2016	CJR	I
o-Xylene	< 18	ug/l	18	58	20	8260B		11/18/2016	CJR	I
SUR - 1,2-Dichloroethane-d4	112	REC %			20	8260B		11/18/2016	CJR	I
SUR - 4-Bromofluorobenzene	99	REC %			20	8260B		11/18/2016	CJR	I
SUR - Dibromofluoromethane	106	REC %			20	8260B		11/18/2016	CJR	I
SUR - Toluene-d8	96	REC %			20	8260B		11/18/2016	CJR	I

Project

Lab Code 5032089C
 Sample ID MW-9
 Sample Matrix Water
 Sample Date 11/14/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.44	ug/l	0.44	1.4	1	8260B		11/17/2016	CJR	1
Bromobenzene	< 0.48	ug/l	0.48	1.5	1	8260B		11/17/2016	CJR	1
Bromodichloromethane	< 0.46	ug/l	0.46	1.5	1	8260B		11/17/2016	CJR	1
Bromoform	< 0.46	ug/l	0.46	1.5	1	8260B		11/17/2016	CJR	1
tert-Butylbenzene	< 1.1	ug/l	1.1	3.4	1	8260B		11/17/2016	CJR	1
sec-Butylbenzene	< 1.2	ug/l	1.2	3.8	1	8260B		11/17/2016	CJR	1
n-Butylbenzene	< 1	ug/l	1	3.3	1	8260B		11/17/2016	CJR	1
Carbon Tetrachloride	< 0.51	ug/l	0.51	1.6	1	8260B		11/17/2016	CJR	1
Chlorobenzene	< 0.46	ug/l	0.46	1.4	1	8260B		11/17/2016	CJR	1
Chloroethane	< 0.65	ug/l	0.65	2.1	1	8260B		11/17/2016	CJR	1
Chloroform	< 0.43	ug/l	0.43	1.4	1	8260B		11/17/2016	CJR	1
Chloromethane	< 1.9	ug/l	1.9	6	1	8260B		11/17/2016	CJR	1
2-Chlorotoluene	< 0.4	ug/l	0.4	1.3	1	8260B		11/17/2016	CJR	1
4-Chlorotoluene	< 0.63	ug/l	0.63	2	1	8260B		11/17/2016	CJR	1
1,2-Dibromo-3-chloropropane	< 1.4	ug/l	1.4	4.5	1	8260B		11/17/2016	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.4	1	8260B		11/17/2016	CJR	1
1,4-Dichlorobenzene	< 0.49	ug/l	0.49	1.6	1	8260B		11/17/2016	CJR	1
1,3-Dichlorobenzene	< 0.52	ug/l	0.52	1.6	1	8260B		11/17/2016	CJR	1
1,2-Dichlorobenzene	< 0.46	ug/l	0.46	1.5	1	8260B		11/17/2016	CJR	1
Dichlorodifluoromethane	< 0.87	ug/l	0.87	2.8	1	8260B		11/17/2016	CJR	1
1,2-Dichloroethane	< 0.48	ug/l	0.48	1.5	1	8260B		11/17/2016	CJR	1
1,1-Dichloroethane	< 1.1	ug/l	1.1	3.6	1	8260B		11/17/2016	CJR	1
1,1-Dichloroethene	< 0.65	ug/l	0.65	2.1	1	8260B		11/17/2016	CJR	1
cis-1,2-Dichloroethene	4.8	ug/l	0.45	1.4	1	8260B		11/17/2016	CJR	1
trans-1,2-Dichloroethene	0.73 "J"	ug/l	0.54	1.7	1	8260B		11/17/2016	CJR	1
1,2-Dichloropropane	< 0.43	ug/l	0.43	1.37	1	8260B		11/17/2016	CJR	1
2,2-Dichloropropane	< 3.1	ug/l	3.1	9.8	1	8260B		11/17/2016	CJR	1
1,3-Dichloropropane	< 0.42	ug/l	0.42	1.3	1	8260B		11/17/2016	CJR	1
Di-isopropyl ether	< 0.44	ug/l	0.44	1.4	1	8260B		11/17/2016	CJR	1
EDB (1,2-Dibromoethane)	< 0.63	ug/l	0.63	2	1	8260B		11/17/2016	CJR	1
Ethylbenzene	< 0.71	ug/l	0.71	2.3	1	8260B		11/17/2016	CJR	1
Hexachlorobutadiene	< 2.2	ug/l	2.2	7.1	1	8260B		11/17/2016	CJR	1
Isopropylbenzene	< 0.82	ug/l	0.82	2.6	1	8260B		11/17/2016	CJR	1
p-Isopropyltoluene	< 1.1	ug/l	1.1	3.5	1	8260B		11/17/2016	CJR	1
Methylene chloride	< 1.3	ug/l	1.3	4.2	1	8260B		11/17/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 1.1	ug/l	1.1	3.7	1	8260B		11/17/2016	CJR	1
Naphthalene	< 1.6	ug/l	1.6	5.2	1	8260B		11/17/2016	CJR	1
n-Propylbenzene	< 0.77	ug/l	0.77	2.4	1	8260B		11/17/2016	CJR	1
1,1,2,2-Tetrachloroethane	< 0.52	ug/l	0.52	1.7	1	8260B		11/17/2016	CJR	1
1,1,1,2-Tetrachloroethane	< 0.48	ug/l	0.48	1.5	1	8260B		11/17/2016	CJR	1
Tetrachloroethene	14.7	ug/l	0.49	1.5	1	8260B		11/17/2016	CJR	1
Toluene	< 0.44	ug/l	0.44	1.4	1	8260B		11/17/2016	CJR	1
1,2,4-Trichlorobenzene	< 1.7	ug/l	1.7	5.6	1	8260B		11/17/2016	CJR	1
1,2,3-Trichlorobenzene	< 2.7	ug/l	2.7	8.6	1	8260B		11/17/2016	CJR	1
1,1,1-Trichloroethane	< 0.84	ug/l	0.84	2.7	1	8260B		11/17/2016	CJR	1
1,1,2-Trichloroethane	< 0.48	ug/l	0.48	1.52	1	8260B		11/17/2016	CJR	1
Trichloroethene (TCE)	6.6	ug/l	0.47	1.5	1	8260B		11/17/2016	CJR	1
Trichlorofluoromethane	< 0.87	ug/l	0.87	2.8	1	8260B		11/17/2016	CJR	1
1,2,4-Trimethylbenzene	< 1.6	ug/l	1.6	5	1	8260B		11/17/2016	CJR	1
1,3,5-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	1	8260B		11/17/2016	CJR	1
Vinyl Chloride	< 0.17	ug/l	0.17	0.54	1	8260B		11/17/2016	CJR	1
m&p-Xylene	< 2.2	ug/l	2.2	6.9	1	8260B		11/17/2016	CJR	1
o-Xylene	< 0.9	ug/l	0.9	2.9	1	8260B		11/17/2016	CJR	1
SUR - 1,2-Dichloroethane-d4	100	REC %				8260B		11/17/2016	CJR	1
SUR - 4-Bromofluorobenzene	94	REC %				8260B		11/17/2016	CJR	1
SUR - Dibromofluoromethane	101	REC %				8260B		11/17/2016	CJR	1
SUR - Toluene-d8	97	REC %				8260B		11/17/2016	CJR	1

Project

Lab Code 5032089D
 Sample ID MW-4
 Sample Matrix Water
 Sample Date 11/14/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	0.92 "J"	ug/l	0.44	1.4	1	8260B		11/16/2016	CJR	1
Bromobenzene	< 0.48	ug/l	0.48	1.5	1	8260B		11/16/2016	CJR	1
Bromodichloromethane	< 0.46	ug/l	0.46	1.5	1	8260B		11/16/2016	CJR	1
Bromoform	< 0.46	ug/l	0.46	1.5	1	8260B		11/16/2016	CJR	1
tert-Butylbenzene	< 1.1	ug/l	1.1	3.4	1	8260B		11/16/2016	CJR	1
sec-Butylbenzene	< 1.2	ug/l	1.2	3.8	1	8260B		11/16/2016	CJR	1
n-Butylbenzene	< 1	ug/l	1	3.3	1	8260B		11/16/2016	CJR	1
Carbon Tetrachloride	< 0.51	ug/l	0.51	1.6	1	8260B		11/16/2016	CJR	1
Chlorobenzene	< 0.46	ug/l	0.46	1.4	1	8260B		11/16/2016	CJR	1
Chloroethane	< 0.65	ug/l	0.65	2.1	1	8260B		11/16/2016	CJR	1
Chloroform	< 0.43	ug/l	0.43	1.4	1	8260B		11/16/2016	CJR	1
Chloromethane	< 1.9	ug/l	1.9	6	1	8260B		11/16/2016	CJR	1
2-Chlorotoluene	< 0.4	ug/l	0.4	1.3	1	8260B		11/16/2016	CJR	1
4-Chlorotoluene	< 0.63	ug/l	0.63	2	1	8260B		11/16/2016	CJR	1
1,2-Dibromo-3-chloropropane	< 1.4	ug/l	1.4	4.5	1	8260B		11/16/2016	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.4	1	8260B		11/16/2016	CJR	1
1,4-Dichlorobenzene	< 0.49	ug/l	0.49	1.6	1	8260B		11/16/2016	CJR	1
1,3-Dichlorobenzene	< 0.52	ug/l	0.52	1.6	1	8260B		11/16/2016	CJR	1
1,2-Dichlorobenzene	< 0.46	ug/l	0.46	1.5	1	8260B		11/16/2016	CJR	1
Dichlorodifluoromethane	< 0.87	ug/l	0.87	2.8	1	8260B		11/16/2016	CJR	1
1,2-Dichloroethane	< 0.48	ug/l	0.48	1.5	1	8260B		11/16/2016	CJR	1
1,1-Dichloroethane	< 1.1	ug/l	1.1	3.6	1	8260B		11/16/2016	CJR	1
1,1-Dichloroethene	2.87	ug/l	0.65	2.1	1	8260B		11/16/2016	CJR	1
cis-1,2-Dichloroethene	1320	ug/l	9	28	20	8260B		11/17/2016	CJR	1
trans-1,2-Dichloroethene	64	ug/l	0.54	1.7	1	8260B		11/16/2016	CJR	1
1,2-Dichloropropane	< 0.43	ug/l	0.43	1.37	1	8260B		11/16/2016	CJR	1
2,2-Dichloropropane	< 3.1	ug/l	3.1	9.8	1	8260B		11/16/2016	CJR	1
1,3-Dichloropropane	< 0.42	ug/l	0.42	1.3	1	8260B		11/16/2016	CJR	1
Di-isopropyl ether	< 0.44	ug/l	0.44	1.4	1	8260B		11/16/2016	CJR	1
EDB (1,2-Dibromoethane)	< 0.63	ug/l	0.63	2	1	8260B		11/16/2016	CJR	1
Ethylbenzene	5.8	ug/l	0.71	2.3	1	8260B		11/16/2016	CJR	1
Hexachlorobutadiene	< 2.2	ug/l	2.2	7.1	1	8260B		11/16/2016	CJR	1
Isopropylbenzene	< 0.82	ug/l	0.82	2.6	1	8260B		11/16/2016	CJR	1
p-Isopropyltoluene	< 1.1	ug/l	1.1	3.5	1	8260B		11/16/2016	CJR	1
Methylene chloride	< 1.3	ug/l	1.3	4.2	1	8260B		11/16/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 1.1	ug/l	1.1	3.7	1	8260B		11/16/2016	CJR	1
Naphthalene	< 1.6	ug/l	1.6	5.2	1	8260B		11/16/2016	CJR	1
n-Propylbenzene	1.47 "J"	ug/l	0.77	2.4	1	8260B		11/16/2016	CJR	1
1,1,2,2-Tetrachloroethane	< 0.52	ug/l	0.52	1.7	1	8260B		11/16/2016	CJR	1
1,1,1,2-Tetrachloroethane	< 0.48	ug/l	0.48	1.5	1	8260B		11/16/2016	CJR	1
Tetrachloroethene	1470	ug/l	9.8	30	20	8260B		11/17/2016	CJR	1
Toluene	0.50 "J"	ug/l	0.44	1.4	1	8260B		11/16/2016	CJR	1
1,2,4-Trichlorobenzene	< 1.7	ug/l	1.7	5.6	1	8260B		11/16/2016	CJR	1
1,2,3-Trichlorobenzene	< 2.7	ug/l	2.7	8.6	1	8260B		11/16/2016	CJR	1
1,1,1-Trichloroethane	< 0.84	ug/l	0.84	2.7	1	8260B		11/16/2016	CJR	1
1,1,2-Trichloroethane	< 0.48	ug/l	0.48	1.52	1	8260B		11/16/2016	CJR	1
Trichloroethene (TCE)	880	ug/l	9.4	30	20	8260B		11/17/2016	CJR	1
Trichlorofluoromethane	< 0.87	ug/l	0.87	2.8	1	8260B		11/16/2016	CJR	1
1,2,4-Trimethylbenzene	< 1.6	ug/l	1.6	5	1	8260B		11/16/2016	CJR	1
1,3,5-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	1	8260B		11/16/2016	CJR	1
Vinyl Chloride	131	ug/l	0.17	0.54	1	8260B		11/16/2016	CJR	1
m&p-Xylene	< 2.2	ug/l	2.2	6.9	1	8260B		11/16/2016	CJR	1
o-Xylene	< 0.9	ug/l	0.9	2.9	1	8260B		11/16/2016	CJR	1
SUR - Toluene-d8	98	REC %				8260B		11/16/2016	CJR	1
SUR - Dibromofluoromethane	96	REC %				8260B		11/16/2016	CJR	1
SUR - 1,2-Dichloroethane-d4	89	REC %				8260B		11/16/2016	CJR	1
SUR - 4-Bromofluorobenzene	103	REC %				8260B		11/16/2016	CJR	1

Project

Lab Code 5032089E
 Sample ID MW-7
 Sample Matrix Water
 Sample Date 11/14/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	<2.2	ug/l	2.2	7	5	8260B		11/18/2016	CJR	1
Bromobenzene	<2.4	ug/l	2.4	7.5	5	8260B		11/18/2016	CJR	1
Bromodichloromethane	<2.3	ug/l	2.3	7.5	5	8260B		11/18/2016	CJR	1
Bromoform	<2.3	ug/l	2.3	7.5	5	8260B		11/18/2016	CJR	1
tert-Butylbenzene	<5.5	ug/l	5.5	17	5	8260B		11/18/2016	CJR	1
sec-Butylbenzene	<6	ug/l	6	19	5	8260B		11/18/2016	CJR	1
n-Butylbenzene	<5	ug/l	5	16.5	5	8260B		11/18/2016	CJR	1
Carbon Tetrachloride	<2.55	ug/l	2.55	8	5	8260B		11/18/2016	CJR	1
Chlorobenzene	<2.3	ug/l	2.3	7	5	8260B		11/18/2016	CJR	1
Chloroethane	<3.25	ug/l	3.25	10.5	5	8260B		11/18/2016	CJR	1
Chloroform	<2.15	ug/l	2.15	7	5	8260B		11/18/2016	CJR	1
Chloromethane	<9.5	ug/l	9.5	30	5	8260B		11/18/2016	CJR	1
2-Chlorotoluene	<2	ug/l	2	6.5	5	8260B		11/18/2016	CJR	1
4-Chlorotoluene	<3.15	ug/l	3.15	10	5	8260B		11/18/2016	CJR	1
1,2-Dibromo-3-chloropropane	<7	ug/l	7	22.5	5	8260B		11/18/2016	CJR	1
Dibromochloromethane	<2.25	ug/l	2.25	7	5	8260B		11/18/2016	CJR	1
1,4-Dichlorobenzene	<2.45	ug/l	2.45	8	5	8260B		11/18/2016	CJR	1
1,3-Dichlorobenzene	<2.6	ug/l	2.6	8	5	8260B		11/18/2016	CJR	1
1,2-Dichlorobenzene	<2.3	ug/l	2.3	7.5	5	8260B		11/18/2016	CJR	1
Dichlorodifluoromethane	<4.35	ug/l	4.35	14	5	8260B		11/18/2016	CJR	1
1,2-Dichloroethane	<2.4	ug/l	2.4	7.5	5	8260B		11/18/2016	CJR	1
1,1-Dichloroethane	<5.5	ug/l	5.5	18	5	8260B		11/18/2016	CJR	1
1,1-Dichloroethene	<3.25	ug/l	3.25	10.5	5	8260B		11/18/2016	CJR	1
cis-1,2-Dichloroethene	<2.25	ug/l	2.25	7	5	8260B		11/18/2016	CJR	1
trans-1,2-Dichloroethene	<2.7	ug/l	2.7	8.5	5	8260B		11/18/2016	CJR	1
1,2-Dichloropropane	<2.15	ug/l	2.15	6.85	5	8260B		11/18/2016	CJR	1
2,2-Dichloropropane	<15.5	ug/l	15.5	49	5	8260B		11/18/2016	CJR	1
1,3-Dichloropropane	<2.1	ug/l	2.1	6.5	5	8260B		11/18/2016	CJR	1
Di-isopropyl ether	<2.2	ug/l	2.2	7	5	8260B		11/18/2016	CJR	1
EDB (1,2-Dibromoethane)	<3.15	ug/l	3.15	10	5	8260B		11/18/2016	CJR	1
Ethylbenzene	<3.55	ug/l	3.55	11.5	5	8260B		11/18/2016	CJR	1
Hexachlorobutadiene	<11	ug/l	11	35.5	5	8260B		11/18/2016	CJR	1
Isopropylbenzene	<4.1	ug/l	4.1	13	5	8260B		11/18/2016	CJR	1
p-Isopropyltoluene	<5.5	ug/l	5.5	17.5	5	8260B		11/18/2016	CJR	1
Methylene chloride	<6.5	ug/l	6.5	21	5	8260B		11/18/2016	CJR	1
Methyl tert-butyl ether (MTBE)	<5.5	ug/l	5.5	18.5	5	8260B		11/18/2016	CJR	1
Naphthalene	<8	ug/l	8	26	5	8260B		11/18/2016	CJR	1
n-Propylbenzene	<3.85	ug/l	3.85	12	5	8260B		11/18/2016	CJR	1
1,1,2,2-Tetrachloroethane	<2.6	ug/l	2.6	8.5	5	8260B		11/18/2016	CJR	1
1,1,1,2-Tetrachloroethane	<2.4	ug/l	2.4	7.5	5	8260B		11/18/2016	CJR	1
Tetrachloroethene	<2.45	ug/l	2.45	7.5	5	8260B		11/18/2016	CJR	1
Toluene	<2.2	ug/l	2.2	7	5	8260B		11/18/2016	CJR	1
1,2,4-Trichlorobenzene	<8.5	ug/l	8.5	28	5	8260B		11/18/2016	CJR	1
1,2,3-Trichlorobenzene	<13.5	ug/l	13.5	43	5	8260B		11/18/2016	CJR	1
1,1,1-Trichloroethane	<4.2	ug/l	4.2	13.5	5	8260B		11/18/2016	CJR	1
1,1,2-Trichloroethane	<2.4	ug/l	2.4	7.6	5	8260B		11/18/2016	CJR	1
Trichloroethene (TCE)	<2.35	ug/l	2.35	7.5	5	8260B		11/18/2016	CJR	1
Trichlorofluoromethane	<4.35	ug/l	4.35	14	5	8260B		11/18/2016	CJR	1
1,2,4-Trimethylbenzene	<8	ug/l	8	25	5	8260B		11/18/2016	CJR	1
1,3,5-Trimethylbenzene	<7.5	ug/l	7.5	24	5	8260B		11/18/2016	CJR	1
Vinyl Chloride	<0.85	ug/l	0.85	2.7	5	8260B		11/18/2016	CJR	1
m&p-Xylene	<11	ug/l	11	34.5	5	8260B		11/18/2016	CJR	1
o-Xylene	<4.5	ug/l	4.5	14.5	5	8260B		11/18/2016	CJR	1
SUR - 4-Bromofluorobenzene	100	REC %				8260B		11/18/2016	CJR	1
SUR - Dibromofluoromethane	107	REC %				8260B		11/18/2016	CJR	1
SUR - 1,2-Dichloroethane-d4	95	REC %				8260B		11/18/2016	CJR	1
SUR - Toluene-d8	97	REC %				8260B		11/18/2016	CJR	1

Project

Lab Code 5032089F
 Sample ID MW-8
 Sample Matrix Water
 Sample Date 11/14/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	<2.2	ug/l	2.2	7	5	8260B		11/18/2016	CJR	1
Bromobenzene	<2.4	ug/l	2.4	7.5	5	8260B		11/18/2016	CJR	1
Bromodichloromethane	<2.3	ug/l	2.3	7.5	5	8260B		11/18/2016	CJR	1
Bromoform	<2.3	ug/l	2.3	7.5	5	8260B		11/18/2016	CJR	1
tert-Butylbenzene	<5.5	ug/l	5.5	17	5	8260B		11/18/2016	CJR	1
sec-Butylbenzene	<6	ug/l	6	19	5	8260B		11/18/2016	CJR	1
n-Butylbenzene	<5	ug/l	5	16.5	5	8260B		11/18/2016	CJR	1
Carbon Tetrachloride	<2.55	ug/l	2.55	8	5	8260B		11/18/2016	CJR	1
Chlorobenzene	<2.3	ug/l	2.3	7	5	8260B		11/18/2016	CJR	1
Chloroethane	<3.25	ug/l	3.25	10.5	5	8260B		11/18/2016	CJR	1
Chloroform	<2.15	ug/l	2.15	7	5	8260B		11/18/2016	CJR	1
Chloromethane	<9.5	ug/l	9.5	30	5	8260B		11/18/2016	CJR	1
2-Chlorotoluene	<2	ug/l	2	6.5	5	8260B		11/18/2016	CJR	1
4-Chlorotoluene	<3.15	ug/l	3.15	10	5	8260B		11/18/2016	CJR	1
1,2-Dibromo-3-chloropropane	<7	ug/l	7	22.5	5	8260B		11/18/2016	CJR	1
Dibromochloromethane	<2.25	ug/l	2.25	7	5	8260B		11/18/2016	CJR	1
1,4-Dichlorobenzene	<2.45	ug/l	2.45	8	5	8260B		11/18/2016	CJR	1
1,3-Dichlorobenzene	<2.6	ug/l	2.6	8	5	8260B		11/18/2016	CJR	1
1,2-Dichlorobenzene	<2.3	ug/l	2.3	7.5	5	8260B		11/18/2016	CJR	1
Dichlorodifluoromethane	<4.35	ug/l	4.35	14	5	8260B		11/18/2016	CJR	1
1,2-Dichloroethane	<2.4	ug/l	2.4	7.5	5	8260B		11/18/2016	CJR	1
1,1-Dichloroethane	<5.5	ug/l	5.5	18	5	8260B		11/18/2016	CJR	1
1,1-Dichloroethene	<3.25	ug/l	3.25	10.5	5	8260B		11/18/2016	CJR	1
cis-1,2-Dichloroethene	<2.25	ug/l	2.25	7	5	8260B		11/18/2016	CJR	1
trans-1,2-Dichloroethene	<2.7	ug/l	2.7	8.5	5	8260B		11/18/2016	CJR	1
1,2-Dichloropropane	<2.15	ug/l	2.15	6.85	5	8260B		11/18/2016	CJR	1
2,2-Dichloropropane	<15.5	ug/l	15.5	49	5	8260B		11/18/2016	CJR	1
1,3-Dichloropropane	<2.1	ug/l	2.1	6.5	5	8260B		11/18/2016	CJR	1
Di-isopropyl ether	<2.2	ug/l	2.2	7	5	8260B		11/18/2016	CJR	1
EDB (1,2-Dibromoethane)	<3.15	ug/l	3.15	10	5	8260B		11/18/2016	CJR	1
Ethylbenzene	<3.55	ug/l	3.55	11.5	5	8260B		11/18/2016	CJR	1
Hexachlorobutadiene	<11	ug/l	11	35.5	5	8260B		11/18/2016	CJR	1
Isopropylbenzene	<4.1	ug/l	4.1	13	5	8260B		11/18/2016	CJR	1
p-Isopropyltoluene	<5.5	ug/l	5.5	17.5	5	8260B		11/18/2016	CJR	1
Methylene chloride	<6.5	ug/l	6.5	21	5	8260B		11/18/2016	CJR	1
Methyl tert-butyl ether (MTBE)	<5.5	ug/l	5.5	18.5	5	8260B		11/18/2016	CJR	1
Naphthalene	<8	ug/l	8	26	5	8260B		11/18/2016	CJR	1
n-Propylbenzene	<3.85	ug/l	3.85	12	5	8260B		11/18/2016	CJR	1
1,1,2,2-Tetrachloroethane	<2.6	ug/l	2.6	8.5	5	8260B		11/18/2016	CJR	1
1,1,1,2-Tetrachloroethane	<2.4	ug/l	2.4	7.5	5	8260B		11/18/2016	CJR	1
Tetrachloroethene	<2.45	ug/l	2.45	7.5	5	8260B		11/18/2016	CJR	1
Toluene	<2.2	ug/l	2.2	7	5	8260B		11/18/2016	CJR	1
1,2,4-Trichlorobenzene	<8.5	ug/l	8.5	28	5	8260B		11/18/2016	CJR	1
1,2,3-Trichlorobenzene	<13.5	ug/l	13.5	43	5	8260B		11/18/2016	CJR	1
1,1,1-Trichloroethane	<4.2	ug/l	4.2	13.5	5	8260B		11/18/2016	CJR	1
1,1,2-Trichloroethane	<2.4	ug/l	2.4	7.6	5	8260B		11/18/2016	CJR	1
Trichloroethene (TCE)	<2.35	ug/l	2.35	7.5	5	8260B		11/18/2016	CJR	1
Trichlorofluoromethane	<4.35	ug/l	4.35	14	5	8260B		11/18/2016	CJR	1
1,2,4-Trimethylbenzene	<8	ug/l	8	25	5	8260B		11/18/2016	CJR	1
1,3,5-Trimethylbenzene	<7.5	ug/l	7.5	24	5	8260B		11/18/2016	CJR	1
Vinyl Chloride	<0.85	ug/l	0.85	2.7	5	8260B		11/18/2016	CJR	1
m&p-Xylene	<11	ug/l	11	34.5	5	8260B		11/18/2016	CJR	1
o-Xylene	<4.5	ug/l	4.5	14.5	5	8260B		11/18/2016	CJR	1
SUR - Toluene-d8	98	REC %			5	8260B		11/18/2016	CJR	1
SUR - 1,2-Dichloroethane-d4	92	REC %			5	8260B		11/18/2016	CJR	1
SUR - 4-Bromofluorobenzene	93	REC %			5	8260B		11/18/2016	CJR	1
SUR - Dibromofluoromethane	102	REC %			5	8260B		11/18/2016	CJR	1

Project #

Lab Code 5032089G
 Sample ID MW-6
 Sample Matrix Water
 Sample Date 11/14/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.44	ug/l	0.44	1.4	1	8260B		11/16/2016	CJR	1
Bromobenzene	< 0.48	ug/l	0.48	1.5	1	8260B		11/16/2016	CJR	1
Bromodichloromethane	< 0.46	ug/l	0.46	1.5	1	8260B		11/16/2016	CJR	1
Bromoform	< 0.46	ug/l	0.46	1.5	1	8260B		11/16/2016	CJR	1
tert-Butylbenzene	< 1.1	ug/l	1.1	3.4	1	8260B		11/16/2016	CJR	1
sec-Butylbenzene	< 1.2	ug/l	1.2	3.8	1	8260B		11/16/2016	CJR	1
n-Butylbenzene	< 1	ug/l	1	3.3	1	8260B		11/16/2016	CJR	1
Carbon Tetrachloride	< 0.51	ug/l	0.51	1.6	1	8260B		11/16/2016	CJR	1
Chlorobenzene	0.68 "J"	ug/l	0.46	1.4	1	8260B		11/16/2016	CJR	1
Chloroethane	< 0.65	ug/l	0.65	2.1	1	8260B		11/16/2016	CJR	1
Chloroform	< 0.43	ug/l	0.43	1.4	1	8260B		11/16/2016	CJR	1
Chloromethane	< 1.9	ug/l	1.9	6	1	8260B		11/16/2016	CJR	1
2-Chlorotoluene	< 0.4	ug/l	0.4	1.3	1	8260B		11/16/2016	CJR	1
4-Chlorotoluene	< 0.63	ug/l	0.63	2	1	8260B		11/16/2016	CJR	1
1,2-Dibromo-3-chloropropane	< 1.4	ug/l	1.4	4.5	1	8260B		11/16/2016	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.4	1	8260B		11/16/2016	CJR	1
1,4-Dichlorobenzene	< 0.49	ug/l	0.49	1.6	1	8260B		11/16/2016	CJR	1
1,3-Dichlorobenzene	< 0.52	ug/l	0.52	1.6	1	8260B		11/16/2016	CJR	1
1,2-Dichlorobenzene	< 0.46	ug/l	0.46	1.5	1	8260B		11/16/2016	CJR	1
Dichlorodifluoromethane	< 0.87	ug/l	0.87	2.8	1	8260B		11/16/2016	CJR	1
1,2-Dichloroethane	< 0.48	ug/l	0.48	1.5	1	8260B		11/16/2016	CJR	1
1,1-Dichloroethane	< 1.1	ug/l	1.1	3.6	1	8260B		11/16/2016	CJR	1
1,1-Dichloroethene	1.35 "J"	ug/l	0.65	2.1	1	8260B		11/16/2016	CJR	1
cis-1,2-Dichloroethene	2690	ug/l	22.5	70	50	8260B		11/17/2016	CJR	1
trans-1,2-Dichloroethene	22.7	ug/l	0.54	1.7	1	8260B		11/16/2016	CJR	1
1,2-Dichloropropane	< 0.43	ug/l	0.43	1.37	1	8260B		11/16/2016	CJR	1
2,2-Dichloropropane	< 3.1	ug/l	3.1	9.8	1	8260B		11/16/2016	CJR	1
1,3-Dichloropropane	< 0.42	ug/l	0.42	1.3	1	8260B		11/16/2016	CJR	1
Di-isopropyl ether	< 0.44	ug/l	0.44	1.4	1	8260B		11/16/2016	CJR	1
EDB (1,2-Dibromoethane)	< 0.63	ug/l	0.63	2	1	8260B		11/16/2016	CJR	1
Ethylbenzene	< 0.71	ug/l	0.71	2.3	1	8260B		11/16/2016	CJR	1
Hexachlorobutadiene	< 2.2	ug/l	2.2	7.1	1	8260B		11/16/2016	CJR	1
Isopropylbenzene	< 0.82	ug/l	0.82	2.6	1	8260B		11/16/2016	CJR	1
p-Isopropyltoluene	< 1.1	ug/l	1.1	3.5	1	8260B		11/16/2016	CJR	1
Methylene chloride	< 1.3	ug/l	1.3	4.2	1	8260B		11/16/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 1.1	ug/l	1.1	3.7	1	8260B		11/16/2016	CJR	1
Naphthalene	< 1.6	ug/l	1.6	5.2	1	8260B		11/16/2016	CJR	1
n-Propylbenzene	< 0.77	ug/l	0.77	2.4	1	8260B		11/16/2016	CJR	1
1,1,2,2-Tetrachloroethane	< 0.52	ug/l	0.52	1.7	1	8260B		11/16/2016	CJR	1
1,1,1,2-Tetrachloroethane	< 0.48	ug/l	0.48	1.5	1	8260B		11/16/2016	CJR	1
Tetrachloroethene	5500	ug/l	24.5	75	50	8260B		11/17/2016	CJR	1
Toluene	< 0.44	ug/l	0.44	1.4	1	8260B		11/16/2016	CJR	1
1,2,4-Trichlorobenzene	< 1.7	ug/l	1.7	5.6	1	8260B		11/16/2016	CJR	1
1,2,3-Trichlorobenzene	< 2.7	ug/l	2.7	8.6	1	8260B		11/16/2016	CJR	1
1,1,1-Trichloroethane	< 0.84	ug/l	0.84	2.7	1	8260B		11/16/2016	CJR	1
1,1,2-Trichloroethane	< 0.48	ug/l	0.48	1.52	1	8260B		11/16/2016	CJR	1
Trichloroethene (TCE)	2740	ug/l	23.5	75	50	8260B		11/17/2016	CJR	1
Trichlorofluoromethane	< 0.87	ug/l	0.87	2.8	1	8260B		11/16/2016	CJR	1
1,2,4-Trimethylbenzene	< 1.6	ug/l	1.6	5	1	8260B		11/16/2016	CJR	1
1,3,5-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	1	8260B		11/16/2016	CJR	1
Vinyl Chloride	105	ug/l	0.17	0.54	1	8260B		11/16/2016	CJR	1
m&p-Xylene	< 2.2	ug/l	2.2	6.9	1	8260B		11/16/2016	CJR	1
o-Xylene	< 0.9	ug/l	0.9	2.9	1	8260B		11/16/2016	CJR	1
SUR - 1,2-Dichloroethane-d4	89	REC %			1	8260B		11/16/2016	CJR	1
SUR - 4-Bromofluorobenzene	94	REC %			1	8260B		11/16/2016	CJR	1
SUR - Dibromofluoromethane	97	REC %			1	8260B		11/16/2016	CJR	1
SUR - Toluene-d8	98	REC %			1	8260B		11/16/2016	CJR	1

Project #

Lab Code 5032089H
 Sample ID MW-2
 Sample Matrix Water
 Sample Date 11/14/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	105	ug/l	4.4	14	10	8260B		11/16/2016	CJR	1
Bromobenzene	< 4.8	ug/l	4.8	15	10	8260B		11/16/2016	CJR	1
Bromodichloromethane	< 4.6	ug/l	4.6	15	10	8260B		11/16/2016	CJR	1
Bromoform	< 4.6	ug/l	4.6	15	10	8260B		11/16/2016	CJR	1
tert-Butylbenzene	< 11	ug/l	11	34	10	8260B		11/16/2016	CJR	1
sec-Butylbenzene	< 12	ug/l	12	38	10	8260B		11/16/2016	CJR	1
n-Butylbenzene	< 10	ug/l	10	33	10	8260B		11/16/2016	CJR	1
Carbon Tetrachloride	< 5.1	ug/l	5.1	16	10	8260B		11/16/2016	CJR	1
Chlorobenzene	< 4.6	ug/l	4.6	14	10	8260B		11/16/2016	CJR	1
Chloroethane	< 6.5	ug/l	6.5	21	10	8260B		11/16/2016	CJR	1
Chloroform	< 4.3	ug/l	4.3	14	10	8260B		11/16/2016	CJR	1
Chloromethane	< 19	ug/l	19	60	10	8260B		11/16/2016	CJR	1
2-Chlorotoluene	< 4	ug/l	4	13	10	8260B		11/16/2016	CJR	1
4-Chlorotoluene	< 6.3	ug/l	6.3	20	10	8260B		11/16/2016	CJR	1
1,2-Dibromo-3-chloropropane	< 14	ug/l	14	45	10	8260B		11/16/2016	CJR	1
Dibromochloromethane	< 4.5	ug/l	4.5	14	10	8260B		11/16/2016	CJR	1
1,4-Dichlorobenzene	< 4.9	ug/l	4.9	16	10	8260B		11/16/2016	CJR	1
1,3-Dichlorobenzene	< 5.2	ug/l	5.2	16	10	8260B		11/16/2016	CJR	1
1,2-Dichlorobenzene	< 4.6	ug/l	4.6	15	10	8260B		11/16/2016	CJR	1
Dichlorodifluoromethane	< 8.7	ug/l	8.7	28	10	8260B		11/16/2016	CJR	1
1,2-Dichloroethane	< 4.8	ug/l	4.8	15	10	8260B		11/16/2016	CJR	1
1,1-Dichloroethane	< 11	ug/l	11	36	10	8260B		11/16/2016	CJR	1
1,1-Dichloroethene	< 6.5	ug/l	6.5	21	10	8260B		11/16/2016	CJR	1
cis-1,2-Dichloroethene	5.0 "J"	ug/l	4.5	14	10	8260B		11/16/2016	CJR	1
trans-1,2-Dichloroethene	< 5.4	ug/l	5.4	17	10	8260B		11/16/2016	CJR	1
1,2-Dichloropropane	< 4.3	ug/l	4.3	13.7	10	8260B		11/16/2016	CJR	1
2,2-Dichloropropane	< 31	ug/l	31	98	10	8260B		11/16/2016	CJR	1
1,3-Dichloropropane	< 4.2	ug/l	4.2	13	10	8260B		11/16/2016	CJR	1
Di-isopropyl ether	< 4.4	ug/l	4.4	14	10	8260B		11/16/2016	CJR	1
EDB (1,2-Dibromoethane)	< 6.3	ug/l	6.3	20	10	8260B		11/16/2016	CJR	1
Ethylbenzene	22.4 "J"	ug/l	7.1	23	10	8260B		11/16/2016	CJR	1
Hexachlorobutadiene	< 22	ug/l	22	71	10	8260B		11/16/2016	CJR	1
Isopropylbenzene	10.2 "J"	ug/l	8.2	26	10	8260B		11/16/2016	CJR	1
p-Isopropyltoluene	< 11	ug/l	11	35	10	8260B		11/16/2016	CJR	1
Methylene chloride	< 13	ug/l	13	42	10	8260B		11/16/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 11	ug/l	11	37	10	8260B		11/16/2016	CJR	1
Naphthalene	< 16	ug/l	16	52	10	8260B		11/16/2016	CJR	1
n-Propylbenzene	25.4	ug/l	7.7	24	10	8260B		11/16/2016	CJR	1
1,1,2,2-Tetrachloroethane	< 5.2	ug/l	5.2	17	10	8260B		11/16/2016	CJR	1
1,1,1,2-Tetrachloroethane	< 4.8	ug/l	4.8	15	10	8260B		11/16/2016	CJR	1
Tetrachloroethene	6.8 "J"	ug/l	4.9	15	10	8260B		11/16/2016	CJR	1
Toluene	7.9 "J"	ug/l	4.4	14	10	8260B		11/16/2016	CJR	1
1,2,4-Trichlorobenzene	< 17	ug/l	17	56	10	8260B		11/16/2016	CJR	1
1,2,3-Trichlorobenzene	< 27	ug/l	27	86	10	8260B		11/16/2016	CJR	1
1,1,1-Trichloroethane	< 8.4	ug/l	8.4	27	10	8260B		11/16/2016	CJR	1
1,1,2-Trichloroethane	< 4.8	ug/l	4.8	15.2	10	8260B		11/16/2016	CJR	1
Trichloroethene (TCE)	< 4.7	ug/l	4.7	15	10	8260B		11/16/2016	CJR	1
Trichlorofluoromethane	< 8.7	ug/l	8.7	28	10	8260B		11/16/2016	CJR	1
1,2,4-Trimethylbenzene	77	ug/l	16	50	10	8260B		11/16/2016	CJR	1
1,3,5-Trimethylbenzene	22.3 "J"	ug/l	15	48	10	8260B		11/16/2016	CJR	1
Vinyl Chloride	11.8	ug/l	1.7	5.4	10	8260B		11/16/2016	CJR	1
m&p-Xylene	194	ug/l	22	69	10	8260B		11/16/2016	CJR	1
o-Xylene	< 9	ug/l	9	29	10	8260B		11/16/2016	CJR	1
SUR - 1,2-Dichloroethane-d4	108	REC %				8260B		11/16/2016	CJR	1
SUR - 4-Bromofluorobenzene	94	REC %				8260B		11/16/2016	CJR	1
SUR - Dibromofluoromethane	106	REC %				8260B		11/16/2016	CJR	1
SUR - Toluene-d8	100	REC %				8260B		11/16/2016	CJR	1

Project

Lab Code 50320891
 Sample ID MW-1
 Sample Matrix Water
 Sample Date 11/14/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	141	ug/l	4.4	14	10	8260B		11/16/2016	CJR	1
Bromobenzene	< 4.8	ug/l	4.8	15	10	8260B		11/16/2016	CJR	1
Bromodichloromethane	< 4.6	ug/l	4.6	15	10	8260B		11/16/2016	CJR	1
Bromoform	< 4.6	ug/l	4.6	15	10	8260B		11/16/2016	CJR	1
tert-Butylbenzene	< 11	ug/l	11	34	10	8260B		11/16/2016	CJR	1
sec-Butylbenzene	< 12	ug/l	12	38	10	8260B		11/16/2016	CJR	1
n-Butylbenzene	< 10	ug/l	10	33	10	8260B		11/16/2016	CJR	1
Carbon Tetrachloride	< 5.1	ug/l	5.1	16	10	8260B		11/16/2016	CJR	1
Chlorobenzene	< 4.6	ug/l	4.6	14	10	8260B		11/16/2016	CJR	1
Chloroethane	< 6.5	ug/l	6.5	21	10	8260B		11/16/2016	CJR	1
Chloroform	< 4.3	ug/l	4.3	14	10	8260B		11/16/2016	CJR	1
Chloromethane	< 19	ug/l	19	60	10	8260B		11/16/2016	CJR	1
2-Chlorotoluene	< 4	ug/l	4	13	10	8260B		11/16/2016	CJR	1
4-Chlorotoluene	< 6.3	ug/l	6.3	20	10	8260B		11/16/2016	CJR	1
1,2-Dibromo-3-chloropropane	< 14	ug/l	14	45	10	8260B		11/16/2016	CJR	1
Dibromochloromethane	< 4.5	ug/l	4.5	14	10	8260B		11/16/2016	CJR	1
1,4-Dichlorobenzene	< 4.9	ug/l	4.9	16	10	8260B		11/16/2016	CJR	1
1,3-Dichlorobenzene	< 5.2	ug/l	5.2	16	10	8260B		11/16/2016	CJR	1
1,2-Dichlorobenzene	< 4.6	ug/l	4.6	15	10	8260B		11/16/2016	CJR	1
Dichlorodifluoromethane	< 8.7	ug/l	8.7	28	10	8260B		11/16/2016	CJR	1
1,2-Dichloroethane	< 4.8	ug/l	4.8	15	10	8260B		11/16/2016	CJR	1
1,1-Dichloroethane	< 11	ug/l	11	36	10	8260B		11/16/2016	CJR	1
1,1-Dichloroethene	< 6.5	ug/l	6.5	21	10	8260B		11/16/2016	CJR	1
cis-1,2-Dichloroethene	< 4.5	ug/l	4.5	14	10	8260B		11/16/2016	CJR	1
trans-1,2-Dichloroethene	< 5.4	ug/l	5.4	17	10	8260B		11/16/2016	CJR	1
1,2-Dichloropropane	< 4.3	ug/l	4.3	13.7	10	8260B		11/16/2016	CJR	1
2,2-Dichloropropane	< 31	ug/l	31	98	10	8260B		11/16/2016	CJR	1
1,3-Dichloropropane	< 4.2	ug/l	4.2	13	10	8260B		11/16/2016	CJR	1
Di-isopropyl ether	< 4.4	ug/l	4.4	14	10	8260B		11/16/2016	CJR	1
EDB (1,2-Dibromoethane)	< 6.3	ug/l	6.3	20	10	8260B		11/16/2016	CJR	1
Ethylbenzene	7.2 "J"	ug/l	7.1	23	10	8260B		11/16/2016	CJR	1
Hexachlorobutadiene	< 22	ug/l	22	71	10	8260B		11/16/2016	CJR	1
Isopropylbenzene	< 8.2	ug/l	8.2	26	10	8260B		11/16/2016	CJR	1
p-Isopropyltoluene	< 11	ug/l	11	35	10	8260B		11/16/2016	CJR	1
Methylene chloride	< 13	ug/l	13	42	10	8260B		11/16/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 11	ug/l	11	37	10	8260B		11/16/2016	CJR	1
Naphthalene	< 16	ug/l	16	52	10	8260B		11/16/2016	CJR	1
n-Propylbenzene	< 7.7	ug/l	7.7	24	10	8260B		11/16/2016	CJR	1
1,1,2,2-Tetrachloroethane	< 5.2	ug/l	5.2	17	10	8260B		11/16/2016	CJR	1
1,1,1,2-Tetrachloroethane	< 4.8	ug/l	4.8	15	10	8260B		11/16/2016	CJR	1
Tetrachloroethene	< 4.9	ug/l	4.9	15	10	8260B		11/16/2016	CJR	1
Toluene	< 4.4	ug/l	4.4	14	10	8260B		11/16/2016	CJR	1
1,2,4-Trichlorobenzene	< 17	ug/l	17	56	10	8260B		11/16/2016	CJR	1
1,2,3-Trichlorobenzene	< 27	ug/l	27	86	10	8260B		11/16/2016	CJR	1
1,1,1-Trichloroethane	< 8.4	ug/l	8.4	27	10	8260B		11/16/2016	CJR	1
1,1,2-Trichloroethane	< 4.8	ug/l	4.8	15.2	10	8260B		11/16/2016	CJR	1
Trichloroethene (TCE)	< 4.7	ug/l	4.7	15	10	8260B		11/16/2016	CJR	1
Trichlorofluoromethane	< 8.7	ug/l	8.7	28	10	8260B		11/16/2016	CJR	1
1,2,4-Trimethylbenzene	< 16	ug/l	16	50	10	8260B		11/16/2016	CJR	1
1,3,5-Trimethylbenzene	< 15	ug/l	15	48	10	8260B		11/16/2016	CJR	1
Vinyl Chloride	< 1.7	ug/l	1.7	5.4	10	8260B		11/16/2016	CJR	1
m&p-Xylene	< 22	ug/l	22	69	10	8260B		11/16/2016	CJR	1
o-Xylene	< 9	ug/l	9	29	10	8260B		11/16/2016	CJR	1
SUR - Toluene-d8	97	REC %				8260B		11/16/2016	CJR	1
SUR - Dibromofluoromethane	108	REC %				8260B		11/16/2016	CJR	1
SUR - 4-Bromofluorobenzene	94	REC %				8260B		11/16/2016	CJR	1
SUR - 1,2-Dichloroethane-d4	114	REC %				8260B		11/16/2016	CJR	1

Project

Lab Code 5032089J
 Sample ID MW-5
 Sample Matrix Water
 Sample Date 11/14/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	84	ug/l	4.4	14	10	8260B		11/18/2016	CJR	1
Bromobenzene	< 4.8	ug/l	4.8	15	10	8260B		11/18/2016	CJR	1
Bromodichloromethane	< 4.6	ug/l	4.6	15	10	8260B		11/18/2016	CJR	1
Bromoform	< 4.6	ug/l	4.6	15	10	8260B		11/18/2016	CJR	1
tert-Butylbenzene	< 11	ug/l	11	34	10	8260B		11/18/2016	CJR	1
sec-Butylbenzene	< 12	ug/l	12	38	10	8260B		11/18/2016	CJR	1
n-Butylbenzene	18.5 "J"	ug/l	10	33	10	8260B		11/18/2016	CJR	1
Carbon Tetrachloride	< 5.1	ug/l	5.1	16	10	8260B		11/18/2016	CJR	1
Chlorobenzene	< 4.6	ug/l	4.6	14	10	8260B		11/18/2016	CJR	1
Chloroethane	< 6.5	ug/l	6.5	21	10	8260B		11/18/2016	CJR	1
Chloroform	< 4.3	ug/l	4.3	14	10	8260B		11/18/2016	CJR	1
Chloromethane	< 19	ug/l	19	60	10	8260B		11/18/2016	CJR	1
2-Chlorotoluene	< 4	ug/l	4	13	10	8260B		11/18/2016	CJR	1
4-Chlorotoluene	< 6.3	ug/l	6.3	20	10	8260B		11/18/2016	CJR	1
1,2-Dibromo-3-chloropropane	< 14	ug/l	14	45	10	8260B		11/18/2016	CJR	1
Dibromochloromethane	< 4.5	ug/l	4.5	14	10	8260B		11/18/2016	CJR	1
1,4-Dichlorobenzene	< 4.9	ug/l	4.9	16	10	8260B		11/18/2016	CJR	1
1,3-Dichlorobenzene	< 5.2	ug/l	5.2	16	10	8260B		11/18/2016	CJR	1
1,2-Dichlorobenzene	< 4.6	ug/l	4.6	15	10	8260B		11/18/2016	CJR	1
Dichlorodifluoromethane	< 8.7	ug/l	8.7	28	10	8260B		11/18/2016	CJR	1
1,2-Dichloroethane	< 4.8	ug/l	4.8	15	10	8260B		11/18/2016	CJR	1
1,1-Dichloroethane	< 11	ug/l	11	36	10	8260B		11/18/2016	CJR	1
1,1-Dichloroethene	< 6.5	ug/l	6.5	21	10	8260B		11/18/2016	CJR	1
cis-1,2-Dichloroethene	490	ug/l	4.5	14	10	8260B		11/18/2016	CJR	1
trans-1,2-Dichloroethene	7.7 "J"	ug/l	5.4	17	10	8260B		11/18/2016	CJR	1
1,2-Dichloropropane	< 4.3	ug/l	4.3	13.7	10	8260B		11/18/2016	CJR	1
2,2-Dichloropropane	< 31	ug/l	31	98	10	8260B		11/18/2016	CJR	1
1,3-Dichloropropane	< 4.2	ug/l	4.2	13	10	8260B		11/18/2016	CJR	1
Di-isopropyl ether	< 4.4	ug/l	4.4	14	10	8260B		11/18/2016	CJR	1
EDB (1,2-Dibromoethane)	< 6.3	ug/l	6.3	20	10	8260B		11/18/2016	CJR	1
Ethylbenzene	1340	ug/l	7.1	23	10	8260B		11/18/2016	CJR	1
Hexachlorobutadiene	< 22	ug/l	22	71	10	8260B		11/18/2016	CJR	1
Isopropylbenzene	46	ug/l	8.2	26	10	8260B		11/18/2016	CJR	1
p-Isopropyltoluene	< 11	ug/l	11	35	10	8260B		11/18/2016	CJR	1
Methylene chloride	< 13	ug/l	13	42	10	8260B		11/18/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 11	ug/l	11	37	10	8260B		11/18/2016	CJR	1
Naphthalene	360	ug/l	16	52	10	8260B		11/18/2016	CJR	1
n-Propylbenzene	134	ug/l	7.7	24	10	8260B		11/18/2016	CJR	1
1,1,2,2-Tetrachloroethane	< 5.2	ug/l	5.2	17	10	8260B		11/18/2016	CJR	1
1,1,1,2-Tetrachloroethane	< 4.8	ug/l	4.8	15	10	8260B		11/18/2016	CJR	1
Tetrachloroethene	< 4.9	ug/l	4.9	15	10	8260B		11/18/2016	CJR	1
Toluene	200	ug/l	4.4	14	10	8260B		11/18/2016	CJR	1
1,2,4-Trichlorobenzene	< 17	ug/l	17	56	10	8260B		11/18/2016	CJR	1
1,2,3-Trichlorobenzene	< 27	ug/l	27	86	10	8260B		11/18/2016	CJR	1
1,1,1-Trichloroethane	< 8.4	ug/l	8.4	27	10	8260B		11/18/2016	CJR	1
1,1,2-Trichloroethane	< 4.8	ug/l	4.8	15.2	10	8260B		11/18/2016	CJR	1
Trichloroethene (TCE)	< 4.7	ug/l	4.7	15	10	8260B		11/18/2016	CJR	1
Trichlorofluoromethane	< 8.7	ug/l	8.7	28	10	8260B		11/18/2016	CJR	1
1,2,4-Trimethylbenzene	620	ug/l	16	50	10	8260B		11/18/2016	CJR	1
1,3,5-Trimethylbenzene	139	ug/l	15	48	10	8260B		11/18/2016	CJR	1
Vinyl Chloride	370	ug/l	1.7	5.4	10	8260B		11/18/2016	CJR	1
m&p-Xylene	1130	ug/l	22	69	10	8260B		11/18/2016	CJR	1
o-Xylene	146	ug/l	9	29	10	8260B		11/18/2016	CJR	1
SUR - 1,2-Dichloroethane-d4	110	REC %				8260B		11/18/2016	CJR	1
SUR - Toluene-d8	97	REC %				8260B		11/18/2016	CJR	1
SUR - Dibromofluoromethane	107	REC %				8260B		11/18/2016	CJR	1
SUR - 4-Bromofluorobenzene	94	REC %				8260B		11/18/2016	CJR	1

Project #

Lab Code 5032089K
 Sample ID TB
 Sample Matrix Water
 Sample Date 11/14/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.44	ug/l	0.44	1.4	1	8260B		11/16/2016	CJR	1
Bromobenzene	< 0.48	ug/l	0.48	1.5	1	8260B		11/16/2016	CJR	1
Bromodichloromethane	< 0.46	ug/l	0.46	1.5	1	8260B		11/16/2016	CJR	1
Bromoform	< 0.46	ug/l	0.46	1.5	1	8260B		11/16/2016	CJR	1
tert-Butylbenzene	< 1.1	ug/l	1.1	3.4	1	8260B		11/16/2016	CJR	1
sec-Butylbenzene	< 1.2	ug/l	1.2	3.8	1	8260B		11/16/2016	CJR	1
n-Butylbenzene	< 1	ug/l	1	3.3	1	8260B		11/16/2016	CJR	1
Carbon Tetrachloride	< 0.51	ug/l	0.51	1.6	1	8260B		11/16/2016	CJR	1
Chlorobenzene	< 0.46	ug/l	0.46	1.4	1	8260B		11/16/2016	CJR	1
Chloroethane	< 0.65	ug/l	0.65	2.1	1	8260B		11/16/2016	CJR	1
Chloroform	< 0.43	ug/l	0.43	1.4	1	8260B		11/16/2016	CJR	1
Chloromethane	< 1.9	ug/l	1.9	6	1	8260B		11/16/2016	CJR	1
2-Chlorotoluene	< 0.4	ug/l	0.4	1.3	1	8260B		11/16/2016	CJR	1
4-Chlorotoluene	< 0.63	ug/l	0.63	2	1	8260B		11/16/2016	CJR	1
1,2-Dibromo-3-chloropropane	< 1.4	ug/l	1.4	4.5	1	8260B		11/16/2016	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.4	1	8260B		11/16/2016	CJR	1
1,4-Dichlorobenzene	< 0.49	ug/l	0.49	1.6	1	8260B		11/16/2016	CJR	1
1,3-Dichlorobenzene	< 0.52	ug/l	0.52	1.6	1	8260B		11/16/2016	CJR	1
1,2-Dichlorobenzene	< 0.46	ug/l	0.46	1.5	1	8260B		11/16/2016	CJR	1
Dichlorodifluoromethane	< 0.87	ug/l	0.87	2.8	1	8260B		11/16/2016	CJR	1
1,2-Dichloroethane	< 0.48	ug/l	0.48	1.5	1	8260B		11/16/2016	CJR	1
1,1-Dichloroethane	< 1.1	ug/l	1.1	3.6	1	8260B		11/16/2016	CJR	1
1,1-Dichloroethene	< 0.65	ug/l	0.65	2.1	1	8260B		11/16/2016	CJR	1
cis-1,2-Dichloroethene	< 0.45	ug/l	0.45	1.4	1	8260B		11/16/2016	CJR	1
trans-1,2-Dichloroethene	< 0.54	ug/l	0.54	1.7	1	8260B		11/16/2016	CJR	1
1,2-Dichloropropane	< 0.43	ug/l	0.43	1.37	1	8260B		11/16/2016	CJR	1
2,2-Dichloropropane	< 3.1	ug/l	3.1	9.8	1	8260B		11/16/2016	CJR	1
1,3-Dichloropropane	< 0.42	ug/l	0.42	1.3	1	8260B		11/16/2016	CJR	1
Di-isopropyl ether	< 0.44	ug/l	0.44	1.4	1	8260B		11/16/2016	CJR	1
EDB (1,2-Dibromoethane)	< 0.63	ug/l	0.63	2	1	8260B		11/16/2016	CJR	1
Ethylbenzene	< 0.71	ug/l	0.71	2.3	1	8260B		11/16/2016	CJR	1
Hexachlorobutadiene	< 2.2	ug/l	2.2	7.1	1	8260B		11/16/2016	CJR	1
Isopropylbenzene	< 0.82	ug/l	0.82	2.6	1	8260B		11/16/2016	CJR	1
p-Isopropyltoluene	< 1.1	ug/l	1.1	3.5	1	8260B		11/16/2016	CJR	1
Methylene chloride	< 1.3	ug/l	1.3	4.2	1	8260B		11/16/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 1.1	ug/l	1.1	3.7	1	8260B		11/16/2016	CJR	1
Naphthalene	< 1.6	ug/l	1.6	5.2	1	8260B		11/16/2016	CJR	1
n-Propylbenzene	< 0.77	ug/l	0.77	2.4	1	8260B		11/16/2016	CJR	1
1,1,2,2-Tetrachloroethane	< 0.52	ug/l	0.52	1.7	1	8260B		11/16/2016	CJR	1
1,1,1,2-Tetrachloroethane	< 0.48	ug/l	0.48	1.5	1	8260B		11/16/2016	CJR	1
Tetrachloroethene	< 0.49	ug/l	0.49	1.5	1	8260B		11/16/2016	CJR	1
Toluene	< 0.44	ug/l	0.44	1.4	1	8260B		11/16/2016	CJR	1
1,2,4-Trichlorobenzene	< 1.7	ug/l	1.7	5.6	1	8260B		11/16/2016	CJR	1
1,2,3-Trichlorobenzene	< 2.7	ug/l	2.7	8.6	1	8260B		11/16/2016	CJR	1
1,1,1-Trichloroethane	< 0.84	ug/l	0.84	2.7	1	8260B		11/16/2016	CJR	1
1,1,2-Trichloroethane	< 0.48	ug/l	0.48	1.52	1	8260B		11/16/2016	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B		11/16/2016	CJR	1
Trichlorofluoromethane	< 0.87	ug/l	0.87	2.8	1	8260B		11/16/2016	CJR	1
1,2,4-Trimethylbenzene	< 1.6	ug/l	1.6	5	1	8260B		11/16/2016	CJR	1
1,3,5-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	1	8260B		11/16/2016	CJR	1
Vinyl Chloride	< 0.17	ug/l	0.17	0.54	1	8260B		11/16/2016	CJR	1
m&p-Xylene	< 2.2	ug/l	2.2	6.9	1	8260B		11/16/2016	CJR	1
o-Xylene	< 0.9	ug/l	0.9	2.9	1	8260B		11/16/2016	CJR	1
SUR - Toluene-d8	97	REC %				8260B		11/16/2016	CJR	1
SUR - 1,2-Dichloroethane-d4	95	REC %				8260B		11/16/2016	CJR	1
SUR - 4-Bromofluorobenzene	89	REC %				8260B		11/16/2016	CJR	1
SUR - Dibromofluoromethane	106	REC %				8260B		11/16/2016	CJR	1

Project #

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code *Comment*

1 Laboratory QC within limits.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature

Michael Ricker

