Excellence through experience™

709 Gillette St., Ste 3♦ La Crosse, WI 54603 ♦ 1-800-552-2932 ♦ Fax (608) 781-8893 Email: rona@metcohq.com ♦www.metcohq.com

May 12, 2017

BRRTS #: 02-38-560993
PECFA #: 54143-9999-02-A

Alex Edler
Wisconsin Department of Natural Resources
2984 Shawano Avenue
Green Bay, WI 54313 .

Subject: Keller Property – Letter Report

Dear Mr. Edler,

Enclosed is the Letter Report for the Keller Property site located at 102 Water Street in Marinette, Wisconsin. **This completes the Public Bidding Deferred workscope approved on December 29, 2016.**

Geoprobe Project Workscope

On April 11, 2017, Geiss Soil and Samples LLC, of Merrill, Wisconsin, completed four Geoprobe borings (G-24 thru G-27) to four feet below ground surface (bgs) under supervision and direction of METCO personnel. METCO personnel collected four soil samples for field and laboratory analysis (PID, Lead, PVOC and Naphthalene). Soil boring G-24 was converted to a temporary well (TW-24) and was installed to 4 feet bgs.

Groundwater Monitoring Workscope

On April 11, 2017, METCO personnel collected groundwater samples from six monitoring wells (MW-1 thru MW-6) and the newly installed temporary well TW-24 for laboratory analysis (PVOC and PAH). Field measurements for water level, Dissolved Oxygen, pH, ORP, temperature, and Specific Conductivity were collected from all sampled wells.

Discussion of Soil Results:

Soil Sample G-24-1: Collected at a depth of 1 feet bgs, showed no detects for PVOC and Naphthalene, and no exceedances for Lead.

Soil Sample G-25-1: Collected at a depth of 3.5 feet bgs, showed no detects for PVOC and Naphthalene, and no exceedances for Lead.

Soil Sample G-26-1: Collected at a depth of 3.5 feet bgs, showed NR720 Groundwater RCL exceedances for Benzene (0.117 ppm) and Lead (62.7 ppm).

Soil Sample G-27-1: Collected at a depth of 3.5 feet bgs, showed no exceedances for PVOC, Naphthalene, and Lead.

Discussion of Groundwater Results:

Temporary Well TW-24: Showed an NR140 Preventative Action Limit (PAL) exceedance for Benzo(b)fluoranthene (0.173 ppb). However, it showed no exceedances for PVOC and Naphthalene.

Monitoring Well MW-1: Currently shows an NR140 Enforcement Standard (ES) exceedance for Benzene (25 ppb). It also shows NR140 PAL exceedances for Ethylbenzene (166 ppb), Naphthalene (28.7 ppb), and Trimethylbenzenes (292 ppb). Contaminant concentrations have slightly decreased since the first time the well was sampled on January 20, 2016.

Monitoring Well MW-2: Currently shows NR140 PAL exceedances for Benzo(a)pyrene (0.051 ppb), Benzo(b)fluoranthene (0.104 ppb), and Chrysene (0.053 ppb). Contaminant concentrations appear to be stable.

Monitoring Well MW-3: Currently shows no exceedances for PVOC and PAH compounds. Contaminant concentrations have decreased since the first time the well was sampled on January 20, 2016 when it showed an NR140 ES exceedance for Benzo(b)fluoranthene (0.201 ppb).

Monitoring Well MW-4: Currently shows an NR140 PAL exceedance for Benzene (4.1 ppb). Contaminant concentrations have decreased since the first time the well was sampled on January 20, 2016 with the exception of Benzene which has slightly increased, but still only exceeding PAL levels.

Monitoring Well MW-5: Currently shows NR140 PAL exceedances for Benzo(a)pyrene (0.075 ppb), Benzo(b)fluoranthene (0.136 ppb), and Chrysene (0.084 ppb). Contaminant concentrations appear to be stable.

Monitoring Well MW-6: Currently shows NR140 PAL exceedances for Benzene (0.69 ppb), Benzo(a)pyrene (0.069 ppb), Benzo(b)fluoranthene (0.132 ppb), and Chrysene (0.068 ppb). Contaminant concentrations have slightly increased for Benzene since the first time the well was sampled on January 20, 2016 when it showed no detects for PVOC compounds.

Conclusions/Recommendations

None of the recently collected soil samples exceeded NR720 Non-Industrial Direct Contact RCL's for PVOC, Naphthalene, or Lead. Based on the recent groundwater sampling event, only one monitoring well (MW-1) shows NR140 ES exceedances (25

ppb Benzene). It appears that the main issue that needs to be addressed is the direct contact exceedances that remain on site. Costs for capping were previously submitted on November 15, 2016.

Per WDNR review of this data, please contact METCO to discuss the next step of this project.

A Detailed Site Map, Soil Contamination Map, Groundwater Flow Map, Groundwater Isoconcentration Map, Data Tables, Geoprobe 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,

J. T. Powell

Jason T. Powell
Staff Scientist

Attachments

c: Ken Keller – Client

DETAILED SITE MAP

KELLER PROPERTY

METCO
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La Crosse, WI 54603
Tel: (608) 781-8879
Fax: (608) 781-8893
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MARINETTE, WISCONSIN

DRAWN BY: ED DATE: 1/22/2015
MODIFIED BY: MH DATE: 4/13/2007

4 FIG

NOTE: INFORMATION BASED ON AVAILABLE DATA ACTUAL CONDITIONS MAY DIFFER

CITY OF MARINETTE PROPERTY

SLOPE DOWN TO MARSH

FORMER RAILROAD TRACKS - CANADIAN NATIONAL PROPERTY

OLD FENCE LINE

MARSH

GRASS

A. F

B. F SBI/ TWI

A. F

B. F SB2

CONCRETE WALL

FMR PLATFORM

C

D

E

F

G

H

MW-1

MW-2

MW-3

MW-4

MW-5

MW-6

G-1 G-2 G-3 G-4 G-5 G-6 G-7 G-8 G-9 G-10 G-11 G-12 G-13 G-14 G-15 G-16 G-17 G-18 G-19 G-20 G-21 G-22 G-23 G-24/TW-24 G-25 G-26 G-27

FMR LOADING PLAT-FORM

SB5/ TW3

SB3/ TW2

CONCRETE

OVERHANG

SB-4

WAREHOUSE 102 WATER STREET

SAND

GRAVEL/GRASS

OLD FENCE LINE

VACANT WOODED LOT - MARINETTE HOUSING AUTHORITY

FENCE

CRUSHED ROCK

CELL TOWER

SB8

FENCE

ELECTRIC PANEL

SB6

ELEVATED LOADING DOCK

SB7/ TW4

CONCRETE

VACATED STREET

RESIDENTIAL

WATER STREET

1ST ST

RESIDENTIAL

- WATER LINE
- SANITARY SEWER LINE
- STORM SEWER LINE
- NATURAL GAS LINE
- BURIED ELECTRIC LINE
- OVERHEAD UTILITIES
- TELEPHONE/CABLE LINE
- PROPERTY LINE
- = SEWER MANHOLE
- = STORM DRAIN
- = PHASE 2 ESA SOIL BORING LOCATION
- = GEOPROBE BORING LOCATION
- = MONITORING WELL LOCATION
- = TEMPORARY WELL LOCATION

SCALE:
1 INCH = 30 FEET
0 15 30

KEY TO FORMER ASTS
A = 18,000-GAL GASOLINE (1921 SANBORN MAP)
B = 18,000-GAL KEROSENE (1921 SANBORN MAP)
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SOIL CONTAMINATION
KELLER PROPERTY

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DRAWN BY: ED DATE: 1/22/2015
MODIFIED BY: MH DATE: 4/13/2017

4 of 4

CITY OF MARINETTE PROPERTY

SLOPE DOWN TO MARSH

FORMER RAILROAD TRACKS - CANADIAN NATIONAL PROPERTY

OLD FENCE LINE

MARSH

GRASS

A. F

B. F

A. F

B. F

CONCRETE WALL

FMR PLATFORM

E

E

E

F

SBI/ TWI

SB2

MW-2

MW-1

MW-3

MW-4

MW-5

MW-6

G-1 H

G-2 G

G-3 D

G-4

G-5

G-6

G-7

G-8

G-9

G-10

G-11

G-12

G-13

G-14

G-15

G-16

G-17

G-18

G-19 C

G-20

G-21

G-22

G-23

G-24/TW-24

G-25

G-26

G-27

SB3/ TW2

SB4

SB5/ TW3

SB6

SB7/ TW4

SB8

FMR LOADING PLAT-FORM

ESTIMATED EXTENT OF PETROLEUM CONTAMINATION IN UNSATURATED SOIL EXCEEDING NR720 NON-INDUSTRIAL DIRECT CONTACT RCLS

ESTIMATED EXTENT OF PETROLEUM CONTAMINATION IN UNSATURATED SOIL EXCEEDING NR720 GW RCLS

VACANT WOODED LOT - MARINETTE HOUSING AUTHORITY

SAND

SAND

SAND

CONCRETE

CONCRETE

CONCRETE

OVERHANG

WAREHOUSE
102 WATER STREET

ELEVATED LOADING DOCK

OLD FENCE LINE

GRAVEL/GRASS

GRAVEL/GRASS

VACATED STREET

RESIDENTIAL

RESIDENTIAL

FENCE

CRUSHED ROCK

CELL TOWER

FENCE

ELECTRIC PANEL

GRASS

WATER STREET

IST ST

NOTE: INFORMATION BASED ON AVAILABLE DATA ACTUAL CONDITIONS MAY DIFFER

- WATER LINE
- SANITARY SEWER LINE
- STORM SEWER LINE
- NATURAL GAS LINE
- BURIED ELECTRIC LINE
- OVERHEAD UTILITIES
- TELEPHONE/CABLE LINE
- PROPERTY LINE
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- GEOPROBE BORING LOCATION
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GROUNDWATER FLOW DIRECTION (4/11/2017)

KELLER PROPERTY

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MARINETTE, WISCONSIN

DRAWN BY: ED DATE: 1/22/2015
MODIFIED BY: MM DATE: 4/13/2017

NOTE: INFORMATION BASED ON AVAILABLE DATA ACTUAL CONDITIONS MAY DIFFER

CITY OF MARINETTE PROPERTY

SLOPE DOWN TO MARSH

FORMER RAILROAD TRACKS - CANADIAN NATIONAL PROPERTY

OLD FENCE LINE

580.43' MSL

580.44' MSL

580.43' MSL

580.42' MSL

580.42' MSL

580.42' MSL

580.40' MSL

580.41' MSL

580.40' MSL

MARSH

VACANT WOODED LOT - MARINETTE HOUSING AUTHORITY

GRASS

A. F

B. F

A. F

B. F

CONCRETE WALL

FMR PLATFORM

SB1/ TW1

SB2

C

E

E

E

F

SAND

SAND

SAND

SAND

CONCRETE

CONCRETE

CONCRETE

OVERHANG

WAREHOUSE 102 WATER STREET

ELEVATED LOADING DOCK

FMR LOADING PLAT-FORM

SB5/ TW3

SB3/ TW2

SB4

SB6

SB7/ TW4

SB8

FENCE

CRUSHED ROCK

CELL TOWER

FENCE

ELECTRIC PANEL

GRAVEL/GRASS

GRAVEL/GRASS

VACATED STREET

RESIDENTIAL

RESIDENTIAL

RESIDENTIAL

IST ST

WATER STREET

G-1 G-2 G-3 G-4 G-5 G-6 G-7 G-8 MW-3 G-9 G-10 G-11 G-12 G-13 G-14 G-15 G-16 G-17 G-18 G-19 G-20 G-21 G-22 G-23 G-24/TW-24 G-25 G-26 G-27 MW-1 MW-2 MW-4 MW-5 MW-6

- WATER LINE
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GROUNDWATER ISOCONCENTRATION (4/11/17)

KELLER PROPERTY

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MARINETTE, WISCONSIN

DRAWN BY: ED DATE: 1/22/2015
MODIFIED BY: MH DATE: 4/13/2017

4

NOTE: INFORMATION BASED ON AVAILABLE DATA ACTUAL CONDITIONS MAY DIFFER

CITY OF MARINETTE PROPERTY

SLOPE DOWN TO MARSH

FORMER RAILROAD TRACKS - CANADIAN NATIONAL PROPERTY

PAL

ESTIMATED EXTENT OF PETROLEUM CONTAMINATION IN GROUNDWATER EXCEEDING THE NR140 ES AND/OR PAL

ES

OLD FENCE LINE

MARSH

GRASS

A. F

B. F SB1/ TW1

A. F

B. F SB2

CONCRETE WALL

FMR PLATFORM

E

MW-2

E

E

F

C

H G-1

MW-1

G

D

FMR LOADING PLATFORM

SB5/ TW3

SB3/ TW2

CONCRETE

OVERHANG

SAND

SB-4

WAREHOUSE 102 WATER STREET

CONCRETE

ELEVATED LOADING DOCK

SB6

SB7/ TW4

CONCRETE

GRAVEL/GRASS

OLD FENCE LINE

GRAVEL/GRASS

VACATED STREET

RESIDENTIAL

VACANT WOODED LOT - MARINETTE HOUSING AUTHORITY

FENCE

CRUSHED ROCK

CELL TOWER

SB8

FENCE

ELECTRIC PANEL

SAND

GRASS

WATER STREET

1ST ST

RESIDENTIAL

RESIDENTIAL

G-10 G-24/ TW-24 G-8 G-7 MW-3 G-6 MW-4 G-5 G-4 MW-5 G-21 G-19 G-2 G-3 G-25 G-20 G-18 G-17 G-9 G-11 G-22 G-26 G-16 MW-6 G-15 G-12 G-27 G-23 G-14 G-13

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A.2. Soil Analytical Results Table
Keller Property BRRTS #02-38-560993

Sample ID	Depth (feet)	Saturation U/S	Date	PID	Lead (ppm)	DRO (ppm)	GRO (ppm)	Benzene (ppm)	Ethyl Benzene (ppm)	MTBE (ppm)	Naph-thalene (ppm)	Toluene (ppm)	1,2,4-Trime-thylbenzene (ppm)	1,3,5-Trime-thylbenzene (ppm)	Xylene (Total) (ppm)	Other VOC's (ppb)	DIRECT CONTACT PVOC & PAH COMBINED Exeedance Count	Hazard Index	Cumulative Cancer Risk
SB1	0-2	U	08/21/13	2.8	NOT SAMPLED											NS	0		
SB1	2-4	U	08/21/13	3.8	NOT SAMPLED											NS	0		
SB1	4-6	S	08/21/13	397.0	NS	NS	NS	5.9	48	<13	66	24	760	260	177	SEE VOC SPREADSHEET 200 Acetone, 37 Carbon Disulfide			
SB1	6-8	S	08/21/13	>300	NOT SAMPLED											NS			
SB1	8-10	S	08/21/13	>300	NOT SAMPLED											NS			
SB1	10-12	S	08/21/13	>300	NOT SAMPLED											NS			
SB2	0-2	U	08/21/13	3.1	NOT SAMPLED											NS	0		
SB2	2-4	U	08/21/13	3.3	NOT SAMPLED											NS	0		
SB2	4-6	S	08/21/13	111.0	NS	NS	NS	200	110	<12	290	720	270	73	840*	SEE VOC SPREADSHEET 140 Acetone			
SB2	6-8	S	08/21/13	34.0	NOT SAMPLED											NS			
SB2	8-10	S	08/21/13	2.0	NOT SAMPLED											NS			
SB2	10-12	S	08/21/13	1.2	NOT SAMPLED											NS			
SB3	0-2	U	08/21/13	7.6	NOT SAMPLED											NS	0		
SB3	2-4	U	08/21/13	>300	NS	NS	NS	3400*	7200*	<280	6300	2100*	6500*	3800*	11100*	SEE VOC SPREADSHEET 3000 Acetone, 530 Carbon Disulfide	8	1.76E+02	4.5E-03
SB3	4-6	S	08/21/13	>300	NOT SAMPLED											NS			
SB3	6-8	S	08/21/13	>300	NOT SAMPLED											NS			
SB3	8-10	S	08/21/13	>300	NOT SAMPLED											NS			
SB3	10-12	S	08/21/13	>300	NOT SAMPLED											NS			
SB4	0-2	U	08/21/13	27.0	NOT SAMPLED											NS	0		
SB4	2-4	U	08/21/13	10.0	NOT SAMPLED											NS	0		
SB4	4-6	S	08/21/13	>300	NS	NS	NS	110	450	<17	5100	46	12000*	3800*	8479*	SEE VOC SPREADSHEET 350 Acetone			
SB4	6-8	S	08/21/13	109.0	NOT SAMPLED											NS			
SB4	8-10	S	08/21/13	52.0	NOT SAMPLED											NS			
SB4	10-12	S	08/21/13	10.0	NOT SAMPLED											NS			
SB5	0-2	U	08/21/13	7.7	NOT SAMPLED											NS	0		
SB5	2-4	U	08/21/13	4.3	NOT SAMPLED											NS	0		
SB5	4-6	S	08/21/13	9.4	NS	NS	NS	11	<14	<13	66	65	37	<16	87	SEE VOC SPREADSHEET 220 Acetone			
SB5	6-8	S	08/21/13	>300	NOT SAMPLED											NS			
SB5	8-10	S	08/21/13	>300	NOT SAMPLED											NS			
SB5	10-12	S	08/21/13	24.0	NOT SAMPLED											NS			
SB6	0-2	U	08/21/13	4.0	NOT SAMPLED											NS	0		
SB6	2-4	U	08/21/13	3.4	NOT SAMPLED											NS	0		
SB6	4-6	S	08/21/13	7.5	NS	NS	NS	32	45	<13	170	190	130	28	370*	SEE VOC SPREADSHEET 250 Acetone			
SB6	6-8	S	08/21/13	2.5	NOT SAMPLED											NS			
SB6	8-10	S	08/21/13	2.7	NOT SAMPLED											NS			
SB6	10-12	S	08/21/13	3.2	NOT SAMPLED											NS			
SB7	0-2	U	08/21/13	2.0	NOT SAMPLED											NS	0		
SB7	2-4	U	08/21/13	2.2	NOT SAMPLED											NS	0		
SB7	4-6	S	08/21/13	4.2	NS	NS	NS	5.6	<12	<11	45	26	24	<13	61	SEE VOC SPREAD – SHEET			
SB7	6-8	S	08/21/13	0.3	NOT SAMPLED											NS			
SB7	8-10	S	08/21/13	0.5	NOT SAMPLED											NS			
SB7	10-12	S	08/21/13	0.3	NOT SAMPLED											NS			
SB8	0-2	U	08/21/13	2.6	NS	NS	NS	7.2	32	<14	73	48	150	83	206	SEE VOC SPREADSHEET 170 Acetone	5	2.67E-02	8.9E-03
SB8	2-4	U	08/21/13	0.8	NOT SAMPLED											NS	0		
SB8	4-6	S	08/21/13	0.9	NOT SAMPLED											NS			
SB8	6-8	S	08/21/13	0.5	NOT SAMPLED											NS			
SB8	8-10	S	08/21/13	0.0	NOT SAMPLED											NS			
SB8	10-12	S	08/21/13	0.0	NOT SAMPLED											NS			
G-1-1	3.5	U	05/18/15	300.0	186.0	NS	NS	3.03	6.0	<0.25	0.107	2.94	12.7	9.9	16	NS	1	6.68E-01	3.2E-06
G-1-2	6.0	S	05/18/15	660.0	NS	NS	NS	0.86	11.8	<0.5	18	4.1	44	21	35.3	NS			
G-2-1	3.5	U	05/18/15	140.0	72.7	NS	NS	0.115	0.38	<0.025	<0.0203	0.291	1.87	1.44	2.08	NS	4	2.08E-01	2.0E-05
G-2-2	6.0	S	05/18/15	940.0	NS	NS	NS	0.287	4.5	<0.025	4.0	1.16	14.6	5.0	9.29	NS			
G-3-1	3.5	U	05/18/15	0.0	23.1	NS	NS	<0.025	<0.025	<0.025	<0.0203	0.034	<0.025	<0.025	<0.075	NS	1	5.78E-02	2.0E-06
G-3-2	6.0	S	05/18/15	1230.0	1.0	NS	NS	<0.16	<0.27	<0.25	<0.87	<0.31	5.3	2.68	1.02-1.31	NS			
G-4-1	3.5	U	05/18/15	0.0	28.2	NS	NS	<0.025	<0.025	<0.025	0.0209	<0.025	<0.025	<0.025	0.127	NS	5	7.13E-02	2.2E-05
G-4-2	6.0	S	05/18/15	870.0	NS	NS	NS	0.144	1.15	<0.025	5.0	1.21	10	4.4	8.05	NS			
G-5-1	0-4	U	05/18/15		NO RECOVERY											NS	0		
G-5-2	6.0	S	05/18/15	1130.0	NS	NS	NS	<0.5	1.86	<0.5	8.9	2.25	15.7	7.1	14.7	NS			
G-6-1	3.5	U	05/18/15	0.0	361.0	NS	NS	<0.025	<0.025	<0.025	0.078	0.093	0.101	0.048	0.249	NS	4	9.05E-01	2.8E-05
G-6-2	6.0	S	05/18/15	840.0	NS	NS	NS	0.44	1.27	<0.025	3.12	2.06	1.3	2.19	4.96	NS			
G-7-1	3.5	U	05/18/15	0.0	65.2	NS	NS	<0.025	0.11	<0.025	0.0233	0.154	1.05	0.41	1.39	NS	1	1.77E-01	1.4E-06
G-7-2	7.0	S	05/18/15	315.0	NS	NS	NS	<1.25	3.3	<1.25	18.7	1.63	4.5	14.6	13.5	NS			
G-8-1	3.5	U	05/18/15	0.0	186.0	NS	NS	<0.025	<0.025	<0.025	0.149	<0.025	<0.025	<0.025	<0.075	NS	5	4.67E-01	5.4E-05
G-8-2	8.0	S	05/18/15	525.0	NS	NS	NS	<1.25	5.9	<1.25	37	7.7	51	46	53.3	NS			
G-9-1	3.5	U	05/19/15	0.0	99.1	NS	NS	<0.025	0.104	<0.025	0.44	0.064	<0.025	<0.025	0.533	NS	4	2.54E-01	1.9E-05
G-9-2	8.0	S	05/19/15	0.0	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-10-1					COULD NOT ACCESS – LOW MARSH AREA											NS			
G-11-1	3.5	U	05/19/15	0.0	NOT SAMPLED											NS	0		
G-11-2	8.0	S	05/19/15	0.0	NOT SAMPLED											NS			
G-12-1	3.5	U	05/19/15	0.0	NOT SAMPLED											NS	0		
G-12-2	8.0	S	05/19/15	0.0	NOT SAMPLED											NS			
G-13-1	3.5	U	05/19/15	0.0	NOT SAMPLED											NS	0		
G-13-2	8.0	S	05/19/15	0.0	NOT SAMPLED											NS			
G-14-1	3.5	U	05/19/15	0.0	NOT SAMPLED											NS	0		
G-14-2	8.0	S	05/19/15	0.0	NOT SAMPLED											NS			
G-15-1	3.5	U	05/19/15	0.0	148.0	NS	NS	<0.025	<0.025	<0.025	<0.203	0.060	0.043	0.038	0.15	NS	0	3.85E-01	9.1E-04
G-15-2	4-8	S	05/19/15		NO RECOVERY											NS			
G-16-1	3.5	U	05/19/15	0.0	43.0	NS	NS	<0.025	<0.025	<0.025	<0.0203	<0.025	<0.025	<0.025	0.13	NS	0	1.08E-01	
G-16-2	6.0	S	05/19/15	0.0	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	0.086	<0.025	<0.025	0.0885	NS			
G-17-1	3.5	U	05/19/15	0.0	119.0	NS	NS	0.101	0.66	<0.025	0.47	1.53	1.17	0.51	3.58	NS	5	3.23E-01	3.0E-05
G-17-2	6.0	S	05/19/15	180.0	NS	NS	NS	0.043	0.292	<0.025	0.47	0.264	2.5	1.34	1.49	NS			
G-18-1	3.5	U	05/19/15	0.0	254.0	NS	NS	<0.025	0.059	<0.025	0.111	0.059	0.087	0.0309	0.235	NS	5	6.38E-01	2.9E-05
G-18-2	6.0	S	05/19/15	530.0	NS	NS	NS	0.126	1.4	<0.025	4.7	3.2	24.9	2.3	8.4	NS			
G-19-1	3.5	U	05/19/15	0.0	175.0	NS	NS	<0.025	0.039	<0.025	0.043	0.064	0.040	0.040	0.224	NS	5	4.40E-01	4.4E-05
G-19-2	8.0	S	05/19/15	580.0	NS	NS	NS	1.23	8.1	<0.025	10.6	7.4	45	19.6	45.4	NS			
G-20-1	3.5	U	05/19/15	0.0	60.6	NS	NS	<0.025	<0.025	<0.025	<0.203	0.037	<0.025	0.041	0.043-0.048	NS	4	1.54E-01	8.2E-05
G-20-2	8.0	S	05/19/15	0.0	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-21-1	3.5	U	05/19/15	0.0	NOT SAMPLED											NS	0		
G-21-2	8.0	S	05/19/15	0.0	NOT SAMPLED											NS			
G-22-1	3.5	U	05/19/15	0.0	NOT SAMPLED											NS	0		
G-22-2	8.0	S	05/19/15	0.0	NOT SAMPLED											NS			
G-23-1	3.5	U	05/19/15	0.0	NOT SAMPLED											NS	0		
G-23-2	8.0	S	05/19/15	0.0	NOT SAMPLED											NS			
MW-1-1	3.5	U	11/23/15	1.8	70.5	NS	NS	1.27	1.99	<0.25	2.39	3.8	6.2	6.0	8.9	NS	3	3.03E-01	1.6E-05
MW-1-2	8.0	S	11/23/15	1975.0	NS	195	61	0.04	0.87	<0.025	0.37	0.141	1.91	0.60	1.553	<0.45 TCLP LEAD <0.05 TCLP BENZENE			
MW-1-3	12.0	S	11/23/15	32.0	NOT SAMPLED											NS			
MW-2-1	3.5	U	11/23/15	1.8	54.8	NS	NS	0.048	0.057	<0.025	0.059	0.219	0.112	0.080	0.334	NS	1	1.40E-01	6.2E-06
MW-2-2	8.0	S	11/23/15	495.0	NS	2080	3300	0.62	6.3	<0.5	11.8	5.1	25	18	22.5	NS			
MW-2-3	12.0	S	11/23/15	140.0	NOT SAMPLED											NS			
MW-3-1	3.5	U	11/23/15	0.9	227.0	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	4	5.68E-01	1.8E-05
MW-3-2	8.0	S	11/23/15	1325.0	NOT SAMPLED											NS			
MW-3-3	12.0	S	11/23/15	1800.0	NOT SAMPLED											NS			
MW-4-1	3.5	U	11/23/15	0.9	35.8	NS	NS	<0.025	<0.025	<0.025	0.053	0.073	0.056	0.0281	0.138	NS	2	9.11E-02	8.2E-06
MW-4-2	8.0	S	11/23/15	2240.0	NOT SAMPLED											NS			
MW-4-3	12.0	S	11/23/15	5.3	NOT SAMPLED											NS			
MW-5-1	3.5	U	11/23/15	0.6	12.0	NS	NS	0.196	0.135	<0.025	0.119	0.65	0.257	0.085	0.85	NS	5	3.96E-02	1.2E-04
MW-5-2	8.0	S	11/23/15	0.6	NOT SAMPLED											NS			
MW-5-3	12.0	S	11/23/15	0.6	NOT SAMPLED											NS			
MW-6-1	3.5	U	11/23/15	1.1	72.1	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	3	1.81E-01	1.4E-05
MW-6-2	8.0	S	11/23/15	19.3	NOT SAMPLED											NS			
MW-6-3	12.0	S	11/23/15	1.4	NOT SAMPLED											NS			
G-24-1	1.0	U	04/11/17	0.8	19.3	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0	4.83E-02	
G-25-1	3.5	U	04/11/17	0.5	14.3	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0	3.58E-02	
G-26-1	3.5	U	04/11/17	0.6	62.7	NS	NS	0.117	0.167	<0.025	0.34	0.75	0.32	0.105	1.17	NS	0	1.65E-01	1.7E-07
G-27-1	3.5	U	04/11/17	0.6	22.9	NS	NS	<0.025	<0.025	<0.025	0.049	0.046	<0.025	<0.025	0.095	NS	0	5.76E-02	9.5E-09
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	-	0	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 & Asteric * = C-sat Exceedance
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

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

A.2. Soil Analytical Results Table
(PAH)
Keller Property BRRTS #02-38-560993

																				DIRECT CONTACT PVOC & PAH COMBINED		
Sample	Depth (feet)	Saturation U/S	Date	Acenaph-thene (ppm)	Acenaph-thylene (ppm)	Anthracene (ppm)	Benzo(a) anthracene (ppm)	Benzo(a) pyrene (ppm)	Benzo(b) fluoranthene (ppm)	Benzo(g,h,i) perylene (ppm)	Benzo(k) fluoranthene (ppm)	Chrysene (ppm)	Dibenzo(a,h) anthracene (ppm)	Fluoranthene (ppm)	Fluorene (ppm)	Indeno(1,2,3-cd) pyrene (ppm)	1-Methyl-naphthalene (ppm)	2-Methyl-naphthalene (ppm)	Naph-thalene (ppm)	Phenan-threne (ppm)	Pyrene (ppm)	Exeedance Count	Hazard Index	Cumulative Cancer Risk
SB1	4-6	S	08/21/13	<260	<130	<67	<3.4	<10	<26	<45	<11	<29	<56	**230**	<90	<56	<120	<150	<120	<120	**480**			
SB2	4-6	S	08/21/13	<260	<140	<68	**86**	**120**	<26	<45	<11	<29	<57	**370**	<91	<57	<120	<150	<120	<45	<24			
SB3	2-4	U	08/21/13	<5700	<3000	<1500	<74	<220	<570	<990	<250	<640	<1200	<350	<2000	<1200	<2700	**4500**	<2700	9400	<520	**8**	1.76E+02	4.5E-03
SB4	4-6	S	08/21/13	<1800	<920	<460	**410**	<69	<180	<310	<77	<200	<380	**3100**	**620**	<380	**4200**	**2400**	**6200**	3800	**3600**			
SB5	4-6	S	08/21/13	<1300	<700	<350	**490**	**440**	**410**	240	**200**	<150	<290	**1600**	<470	<290	<650	<760	<650	960	**920**			
SB6	4-6	S	08/21/13	<280	<140	<72	**79**	<11	**270**	<48	**85**	<31	<60	**530**	<96	<60	<130	<160	<130	300	**1000**			
SB7	4-6	S	08/21/13	<250	<130	<66	**34**	**42**	<25	<44	<11	**260**	<55	**280**	<88	<55	<120	<140	<120	210	<23			
SB8	0-2	U	08/21/13	<290	<150	<75	<3.8	<11	<29	<50	<13	<33	<63	**260**	<100	<63	<140	<160	**46000**	250	<26	**5**	2.67E-02	8.9E-03
G-1-1	3.5	U	05/18/15	0.242	0.06	0.099	0.0221	<0.0143	0.0197	<0.02	<0.0174	0.038	<0.0201	0.068	0.212	<0.0165	0.60	0.119	0.107	0.43	0.161	**1**	6.68E-01	3.2E-06
G-2-1	3.5	U	05/18/15	<0.0201	0.078	0.048	**0.179**	**0.20**	**0.276**	0.175	0.131	**0.194**	**0.034**	0.34	<0.0184	0.139	<0.0205	<0.0199	<0.0203	0.112	0.32	**4**	2.08E-01	2.0E-05
G-3-1	3.5	U	05/18/15	<0.0201	<0.0198	<0.0171	0.0254	**0.0217**	0.032	0.0276	<0.0174	0.0245	<0.0201	0.038	<0.0184	0.0172	<0.0205	<0.0199	<0.0203	<0.0198	0.038	**1**	5.78E-02	2.0E-06
G-3-2	6.0	S	05/18/15	<0.1005	<0.099	<0.0855	<0.0955	<0.0715	<0.095	<0.1	<0.087	<0.096	<0.1005	<0.096	<0.092	<0.0825	4.3	13.1	**1.95**	<0.099	<0.096			
G-4-1	3.5	U	05/18/15	<0.0201	0.072	0.049	**0.195**	**0.213**	**0.33**	0.21	0.143	**0.231**	**0.038**	0.40	<0.0184	**0.166**	0.0247	0.0278	0.0209	0.136	0.35	**5**	7.13E-02	2.2E-05
G-6-1	3.5	U	05/18/15	<0.0201	0.049	0.048	0.132	**0.187**	**0.247**	0.62	0.089	0.137	**0.16**	0.213	<0.0184	**0.236**	0.090	0.109	0.078	0.126	0.204	**4**	9.05E-01	2.8E-05
G-7-1	3.5	U	05/18/15	<0.0201	<0.0198	<0.0171	0.0286	**0.0155**	0.0259	<0.02	<0.0174	0.0226	<0.0201	0.041	<0.0184	<0.0165	0.0234	0.032	0.0233	0.040	0.034	**1**	1.77E-01	1.4E-06
G-8-1	3.5	U	05/18/15	<0.0201	0.183	0.075	**0.46**	**0.54**	**0.72**	0.48	0.273	**0.44**	**0.098**	0.60	<0.0184	**0.35**	0.11	0.165	0.149	0.188	0.54	**5**	4.67E-01	5.4E-05
G-9-1	3.5	U	05/19/15	<0.0201	0.099	0.082	**0.188**	**0.177**	**0.292**	0.179	0.108	**0.207**	**0.041**	0.281	0.0213	0.137	0.47	0.67	0.44	0.34	0.288	**4**	2.54E-01	1.9E-05
G-15-1	3.5	U	05/19/15	<0.201	0.66	1.12	**10.9**	**9.3**	**11**	5.2	**3.8**	**7.5**	**1.42**	14.3	<0.184	**5.2**	<0.205	<0.199	<0.203	1.12	13.2	**6**	3.85E-01	9.1E-04
G-16-1	3.5	U	05/19/15	<0.0201	<0.0198	<0.0171	<0.0191	<0.0143	<0.019	<0.02	<0.0174	<0.0192	<0.0201	<0.0192	<0.0184	<0.0165	<0.0205	<0.0199	<0.0203	<0.0198	<0.0192	0	1.08E-01	
G-17-1	3.5	U	05/19/15	0.038	0.041	0.103	**0.32**	**0.309**	**0.37**	0.236	0.152	**0.35**	**0.039**	0.71	0.0297	**0.158**	0.58	0.72	0.47	0.68	0.90	**5**	3.23E-01	3.0E-05
G-18-1	3.5	U	05/19/15	<0.0201	0.071	0.108	**0.27**	**0.285**	**0.38**	0.268	0.117	**0.312**	**0.053**	0.52	0.0251	**0.201**	0.105	0.161	0.111	0.313	0.48	**5**	6.38E-01	2.9E-05
G-19-1	3.5	U	05/19/15	<0.0201	0.141	0.136	**0.43**	**0.44**	**0.60**	0.39	0.259	**0.45**	**0.078**	0.91	0.038	**0.306**	0.039	0.044	0.043	0.48	0.84	**5**	4.40E-01	4.4E-05
G-20-1	3.5	U	05/19/15	<0.201	<0.198	0.219	**0.85**	**0.91**	**1.41**	0.83	0.64	**1.02**	<0.201	2.22	<0.184	**0.67**	<0.205	<0.199	<0.203	0.95	1.83	**4**	1.54E-01	8.2E-05
MW-1-1	3.5	U	11/23/15	0.243	0.35	0.49	0.143	**0.119**	**0.32**	0.246	0.067	**0.291**	**0.036**	0.155	0.61	0.117	2.33	3.08	**2.39**	1.32	0.93	**3**	3.03E-01	1.6E-05
MW-2-1	3.5	U	11/23/15	<0.0201	0.035	0.0205	0.058	**0.068**	0.116	0.072	0.048	0.065	<0.015	0.091	<0.0184	0.050	0.059	0.089	0.059	0.061	0.094	**1**	1.40E-01	6.2E-06
MW-3-1	3.5	U	11/23/15	<0.0201	0.098	0.038	0.091	**0.183**	**0.267**	0.191	0.104	0.096	**0.034**	0.057	<0.0184	**0.151**	0.094	0.166	0.11	<0.0198	0.077	**4**	5.68E-01	1.8E-05
MW-4-1	3.5	U	11/23/15	<0.0201	<0.0198	0.0236	0.058	**0.077**	0.139	0.085	0.051	0.072	**0.0176**	0.102	<0.0184	0.062	0.050	0.078	0.053	0.078	0.096	**2**	9.11E-02	8.2E-06
MW-5-1	3.5	U	11/23/15	0.292	0.058	0.77	**1.24**	**1.19**	**1.89**	0.85	0.87	**1.21**	**0.182**	2.66	0.292	**0.70**	0.097	0.111	0.119	2.4	2.11	**5**	3.96E-02	1.2E-04
MW-6-1	3.5	U	11/23/15	<0.0201	0.044	0.032	0.11	**0.131**	**0.247**	0.126	0.077	0.141	**0.0247**	0.223	<0.0184	0.09	0.068	0.077	0.060	0.157	0.207	**3**	1.81E-01	1.4E-05
Groundwater RCL				---	---	**197**	---	**0.47**	**0.48**	---	---	**0.145**	---	**88.8**	**14.8**	---	---	---	**0.659**	---	**54.5**			
Non-Industrial Direct Contact RCL				**3440**	---	**17200**	**0.148**	**0.0148**	**0.148**	---	**1.48**	**14.8**	**0.0148**	**2290**	**2290**	**0.148**	**15.6**	**229**	**5.15**	---	**1720**	0	**1.00E+00**	**1.00E-05**
Soil Saturation Concentration (C-sat)*				---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---			

Bold = Groundwater RCL Exceedance
Bold & Underline =Industrial Direct Contact RCL Exceedance
Bold &Asteric * = C-sat Exceedance
NS = Not Sampled
(ppm) = parts per million
PAH = Polynuclear Aromatic Hydrocarbons
PID = Photoionization Detector
VOC's = Volatile Organic Compounds

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

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

A.1 Groundwater Analytical Table
Keller Property BRRTS #02-38-560993

Well MW-1
PVC Elevation = 583.51 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
01/20/16	579.63	3.88	1.2	**30.2**	*370*	<22	**116**	<8.8	**500**	*520-538*
04/11/17	580.40	3.11	NS	**25**	*166*	<16.4	*28.7*	<13.4	*292*	271-278.8
ENFORCE MENT STANDARD **ES = Bold**			**15**	**5**	**700**	**60**	**100**	**800**	**480**	**2000**
PREVENTIVE ACTION LIMIT *PAL = Italics*			*1.5*	*0.5*	*140*	*12*	*10*	*160*	*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
PVC Elevation = 583.28 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
01/20/16	579.67	3.61	<0.7	0.49	4.4	<1.1	4.5	<0.44	39.9	22.67
04/11/17	580.42	2.86	NS	<0.17	1.62	<0.82	0.207	<0.67	6.07	3.8-4.19
ENFORCE MENT STANDARD **ES = Bold**			**15**	**5**	**700**	**60**	**100**	**800**	**480**	**2000**
PREVENTIVE ACTION LIMIT *PAL = Italics*			*1.5*	*0.5*	*140*	*12*	*10*	*160*	*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
PVC Elevation = 583.30 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
01/20/16	579.60	3.70	<0.7	<0.44	<0.71	<1.3	<1.6	<0.44	<3.1	<3.1
04/11/17	580.43	2.87	NS	0.33	15.7	<0.82	2.06	2.09	9.3-10.21	3.7-4.09
ENFORCE MENT STANDARD **ES = Bold**			**15**	**5**	**700**	**60**	**100**	**800**	**480**	**2000**
PREVENTIVE ACTION LIMIT *PAL = Italics*			*1.5*	*0.5*	*140*	*12*	*10*	*160*	*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
Keller Property BRRTS #02-38-560993

Well MW-4
PVC Elevation = 583.81 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
01/20/16	579.62	4.19	<0.7	*1.4*	10	<1.1	*19.9*	1.2	24.2	10.1-11
04/11/17	580.44	3.37	NS	*4.1*	8.7	<0.82	0.90	1.74	19.86	27.01
ENFORCE MENT STANDARD **ES = Bold**			**15**	**5**	**700**	**60**	**100**	**800**	**480**	**2000**
PREVENTIVE ACTION LIMIT *PAL = Italics*			*1.5*	*0.5*	*140*	*12*	*10*	*160*	*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 = 583.33 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
01/20/16	579.64	3.69	<0.7	<0.44	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
04/11/17	580.42	2.91	NS	<0.17	<0.2	<0.82	0.067	<0.67	<2.05	<1.95
ENFORCE MENT STANDARD **ES = Bold**			**15**	**5**	**700**	**60**	**100**	**800**	**480**	**2000**
PREVENTIVE ACTION LIMIT *PAL = Italics*			*1.5*	*0.5*	*140*	*12*	*10*	*160*	*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 = 583.88 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
01/20/16	579.72	4.16	<0.7	<0.44	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
04/11/17	580.40	3.48	NS	*0.69*	<0.2	<0.82	0.078	<0.67	<2.05	<1.95
ENFORCE MENT STANDARD **ES = Bold**			**15**	**5**	**700**	**60**	**100**	**800**	**480**	**2000**
PREVENTIVE ACTION LIMIT *PAL = Italics*			*1.5*	*0.5*	*140*	*12*	*10*	*160*	*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
Keller Property BRRTS #02-38-560993

Well TW-1

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
08/21/13	NS	NS	NS	<0.30	1.4	<0.40	1.2	<0.30	24.6	3.4
ENFORCE MENT STANDARD **ES = Bold**			**15**	**5**	**700**	**60**	**100**	**800**	**480**	**2000**
PREVENTIVE ACTION LIMIT *PAL = Italics*			*1.5*	*0.5*	*140*	*12*	*10*	*160*	*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 TW-2

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
08/21/13	NS	NS	NS	*0.77*	1.8	<0.40	1.1	0.45	14.9	7.9
ENFORCE MENT STANDARD **ES = Bold**			**15**	**5**	**700**	**60**	**100**	**800**	**480**	**2000**
PREVENTIVE ACTION LIMIT *PAL = Italics*			*1.5*	*0.5*	*140*	*12*	*10*	*160*	*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 TW-3

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
08/21/13	NS	NS	NS	<0.30	<0.30	<0.40	<0.30	<0.30	<0.40	<0.60
ENFORCE MENT STANDARD **ES = Bold**			**15**	**5**	**700**	**60**	**100**	**800**	**480**	**2000**
PREVENTIVE ACTION LIMIT *PAL = Italics*			*1.5*	*0.5*	*140*	*12*	*10*	*160*	*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
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Well TW-4

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
08/21/13	NS	NS	NS	<0.30	<0.30	<0.40	<0.30	<0.30	<0.40	<0.60
ENFORCE MENT STANDARD **ES = Bold**			**15**	**5**	**700**	**60**	**100**	**800**	**480**	**2000**
PREVENTIVE ACTION LIMIT *PAL = Italics*			*1.5*	*0.5*	*140*	*12*	*10*	*160*	*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 FD2 (TW1)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
08/21/13	NS	NS	NS	<0.30	1.2	<0.40	0.99	<0.30	23.1	2.9
ENFORCE MENT STANDARD **ES = Bold**			**15**	**5**	**700**	**60**	**100**	**800**	**480**	**2000**
PREVENTIVE ACTION LIMIT *PAL = Italics*			*1.5*	*0.5*	*140*	*12*	*10*	*160*	*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 TW-24

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
04/11/17	NM	1.54	NS	<0.17	<0.2	<0.82	0.152	<0.67	<2.05	<1.95
ENFORCE MENT STANDARD **ES = Bold**			**15**	**5**	**700**	**60**	**100**	**800**	**480**	**2000**
PREVENTIVE ACTION LIMIT *PAL = Italics*			*1.5*	*0.5*	*140*	*12*	*10*	*160*	*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
(PAH)
Keller Property BRRTS #02-38-560993

Well MW-1

Date	Ace-naphthene (ppb)	Acenaph-thylene (ppb)	Anthracene (ppb)	Benzo(a) anthracene (ppb)	Benzo(a) pyrene (ppb)	Benzo(b) fluoranthene (ppb)	Benzo(g,h,I) Perylene (ppb)	Benzo(k) fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h) anthracene (ppb)	Fluoran-thene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd) pyrene (ppb)	1-Methyl-naphthalene (ppb)	2-Methyl-naphthalene (ppb)	Naph-thalene (ppb)	Phenan-threne (ppb)	Pyrene (ppb)
01/20/16	0.294	<0.21	<0.2	0.211	<0.19	<0.19	<0.24	<0.18	<0.17	<0.25	0.187	0.37	<0.18	29.2	53	*66*	0.39	0.18
04/11/17	<0.16	<0.19	<0.19	<0.17	<0.2	<0.18	<0.25	<0.16	<0.2	<0.25	<0.17	0.288	<0.23	20.0	39.0	*28.7*	0.278	<0.2
ENFORCE MENT STANDARD = ES – Bold			3000	-	0.2	0.2	-	-	0.2	-	400	400	-	-	-	100	-	250
PREVENTIVE ACTION LIMIT = *PAL - Italics*			*600*	-	*0.02*	*0.02*	-	-	*0.02*	-	*80*	*80*	-	-	-	*10*	-	*50*

(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

Date	Ace-naphthene (ppb)	Acenaph-thylene (ppb)	Anthracene (ppb)	Benzo(a) anthracene (ppb)	Benzo(a) pyrene (ppb)	Benzo(b) fluoranthene (ppb)	Benzo(g,h,I) Perylene (ppb)	Benzo(k) fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h) anthracene (ppb)	Fluoran-thene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd) pyrene (ppb)	1-Methyl-naphthalene (ppb)	2-Methyl-naphthalene (ppb)	Naph-thalene (ppb)	Phenan-threne (ppb)	Pyrene (ppb)
01/20/16	<0.02	<0.021	<0.02	0.029	<0.019	*0.032*	<0.024	<0.018	*0.027*	<0.025	0.036	<0.017	<0.018	0.233	0.036	0.203	0.017	0.035
04/11/17	<0.016	0.032	0.0243	0.059	*0.051*	*0.104*	0.054	0.033	*0.053*	<0.025	0.125	<0.021	0.039	0.33	0.145	0.207	0.072	0.10
ENFORCE MENT STANDARD = ES – Bold			3000	-	0.2	0.2	-	-	0.2	-	400	400	-	-	-	100	-	250
PREVENTIVE ACTION LIMIT = *PAL - Italics*			*600*	-	*0.02*	*0.02*	-	-	*0.02*	-	*80*	*80*	-	-	-	*10*	-	*50*

(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

Date	Ace-naphthene (ppb)	Acenaph-thylene (ppb)	Anthracene (ppb)	Benzo(a) anthracene (ppb)	Benzo(a) pyrene (ppb)	Benzo(b) fluoranthene (ppb)	Benzo(g,h,I) Perylene (ppb)	Benzo(k) fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h) anthracene (ppb)	Fluoran-thene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd) pyrene (ppb)	1-Methyl-naphthalene (ppb)	2-Methyl-naphthalene (ppb)	Naph-thalene (ppb)	Phenan-threne (ppb)	Pyrene (ppb)
01/20/16	<0.02	<0.021	<0.02	0.226	<0.19	0.201	<0.24	<0.18	<0.17	<0.25	0.32	<0.17	<0.18	0.53	0.57	1.02	0.34	0.266
04/11/17	<0.16	<0.19	<0.19	0.18	<0.2	<0.18	<0.25	<0.16	<0.2	<0.25	0.28	<0.21	<0.23	0.58	<0.24	2.06	0.259	<0.2
ENFORCE MENT STANDARD = ES – Bold			3000	-	0.2	0.2	-	-	0.2	-	400	400	-	-	-	100	-	250
PREVENTIVE ACTION LIMIT = *PAL - Italics*			*600*	-	*0.02*	*0.02*	-	-	*0.02*	-	*80*	*80*	-	-	-	*10*	-	*50*

(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
(PAH)
Keller Property BRRTS #02-38-560993

Well MW-4

Date	Ace-naphthene (ppb)	Acenaph-thylene (ppb)	Anthracene (ppb)	Benzo(a) anthracene (ppb)	Benzo(a) pyrene (ppb)	Benzo(b) fluoranthene (ppb)	Benzo(g,h,I) Perylene (ppb)	Benzo(k) fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h) anthracene (ppb)	Fluoran-thene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd) pyrene (ppb)	1-Methyl-naphthalene (ppb)	2-Methyl-naphthalene (ppb)	Naph-thalene (ppb)	Phenan-threne (ppb)	Pyrene (ppb)
01/20/16	4.7	0.43	3.4	1.98	**1.03**	**1.96**	0.84	0.78	**1.9**	<0.25	6.9	3.8	0.59	9.7	3.7	*18.1*	8.4	5.7
04/11/17	0.91	<0.19	0.283	0.222	<0.2	<0.18	<0.25	<0.16	<0.2	<0.25	0.65	0.65	<0.23	2.57	<0.24	0.90	1.27	0.45
ENFORCE MENT STANDARD = ES – Bold			3000	-	0.2	0.2	-	-	0.2	-	400	400	-	-	-	100	-	250
PREVENTIVE ACTION LIMIT = *PAL - Italics*			*600*	-	*0.02*	*0.02*	-	-	*0.02*	-	*80*	*80*	-	-	-	*10*	-	*50*

(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

Date	Ace-naphthene (ppb)	Acenaph-thylene (ppb)	Anthracene (ppb)	Benzo(a) anthracene (ppb)	Benzo(a) pyrene (ppb)	Benzo(b) fluoranthene (ppb)	Benzo(g,h,I) Perylene (ppb)	Benzo(k) fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h) anthracene (ppb)	Fluoran-thene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd) pyrene (ppb)	1-Methyl-naphthalene (ppb)	2-Methyl-naphthalene (ppb)	Naph-thalene (ppb)	Phenan-threne (ppb)	Pyrene (ppb)
01/20/16	<0.02	<0.021	0.026	0.047	*0.027*	*0.051*	0.030	0.027	*0.048*	<0.025	0.063	<0.017	0.026	0.029	0.030	0.035	0.043	0.056
04/11/17	<0.016	0.023	0.037	0.102	*0.075*	*0.136*	0.061	0.046	*0.084*	<0.025	0.179	<0.021	0.049	0.028	0.034	0.067	0.105	0.16
ENFORCE MENT STANDARD = ES – Bold			3000	-	0.2	0.2	-	-	0.2	-	400	400	-	-	-	100	-	250
PREVENTIVE ACTION LIMIT = *PAL - Italics*			*600*	-	*0.02*	*0.02*	-	-	*0.02*	-	*80*	*80*	-	-	-	*10*	-	*50*

(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

Date	Ace-naphthene (ppb)	Acenaph-thylene (ppb)	Anthracene (ppb)	Benzo(a) anthracene (ppb)	Benzo(a) pyrene (ppb)	Benzo(b) fluoranthene (ppb)	Benzo(g,h,I) Perylene (ppb)	Benzo(k) fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h) anthracene (ppb)	Fluoran-thene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd) pyrene (ppb)	1-Methyl-naphthalene (ppb)	2-Methyl-naphthalene (ppb)	Naph-thalene (ppb)	Phenan-threne (ppb)	Pyrene (ppb)
01/20/16	<0.02	<0.021	<0.02	0.044	*0.039*	*0.060*	0.039	0.030	*0.046*	<0.025	0.052	<0.017	0.030	0.021	0.025	0.041	0.034	0.051
04/11/17	<0.016	0.0215	<0.019	0.076	*0.069*	*0.132*	0.072	0.039	*0.068*	<0.025	0.133	<0.021	0.054	0.0312	0.034	0.078	0.086	0.111
ENFORCE MENT STANDARD = ES – Bold			3000	-	0.2	0.2	-	-	0.2	-	400	400	-	-	-	100	-	250
PREVENTIVE ACTION LIMIT = *PAL - Italics*			*600*	-	*0.02*	*0.02*	-	-	*0.02*	-	*80*	*80*	-	-	-	*10*	-	*50*

(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
(PAH)
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Well TW-1

Date	Ace-naphthene (ppb)	Acenaph-thylene (ppb)	Anthracene (ppb)	Benzo(a) anthracene (ppb)	Benzo(a) pyrene (ppb)	Benzo(b) fluoranthene (ppb)	Benzo(g,h,I) Perylene (ppb)	Benzo(k) fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h) anthracene (ppb)	Fluoran-thene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd) pyrene (ppb)	1-Methyl-naphthalene (ppb)	2-Methyl-naphthalene (ppb)	Naph-thalene (ppb)	Phenan-threne (ppb)	Pyrene (ppb)
08/21/13	<0.52	<0.52	<0.16	<0.017	<0.042	<0.031	<0.063	<0.019	<0.083	<0.094	<0.025	<0.27	<0.052	0.8	<0.52	<0.52	<0.11	<0.13
ENFORCE MENT STANDARD = ES – **Bold**			**3000**	-	**0.2**	**0.2**	-	-	**0.2**	-	**400**	**400**	-	-	-	**100**	-	**250**
PREVENTIVE ACTION LIMIT = *PAL - Italics*			*600*	-	*0.02*	*0.02*	-	-	*0.02*	-	*80*	*80*	-	-	-	*10*	-	*50*

(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 TW-2

Date	Ace-naphthene (ppb)	Acenaph-thylene (ppb)	Anthracene (ppb)	Benzo(a) anthracene (ppb)	Benzo(a) pyrene (ppb)	Benzo(b) fluoranthene (ppb)	Benzo(g,h,I) Perylene (ppb)	Benzo(k) fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h) anthracene (ppb)	Fluoran-thene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd) pyrene (ppb)	1-Methyl-naphthalene (ppb)	2-Methyl-naphthalene (ppb)	Naph-thalene (ppb)	Phenan-threne (ppb)	Pyrene (ppb)
08/21/13	<0.52	<0.52	<0.16	<0.016	<0.041	<0.031	<0.062	<0.019	<0.082	<0.093	<0.025	<0.27	<0.052	1.8	2	<0.52	<0.11	<0.12
ENFORCE MENT STANDARD = ES – **Bold**			**3000**	-	**0.2**	**0.2**	-	-	**0.2**	-	**400**	**400**	-	-	-	**100**	-	**250**
PREVENTIVE ACTION LIMIT = *PAL - Italics*			*600*	-	*0.02*	*0.02*	-	-	*0.02*	-	*80*	*80*	-	-	-	*10*	-	*50*

(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 TW-3

Date	Ace-naphthene (ppb)	Acenaph-thylene (ppb)	Anthracene (ppb)	Benzo(a) anthracene (ppb)	Benzo(a) pyrene (ppb)	Benzo(b) fluoranthene (ppb)	Benzo(g,h,I) Perylene (ppb)	Benzo(k) fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h) anthracene (ppb)	Fluoran-thene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd) pyrene (ppb)	1-Methyl-naphthalene (ppb)	2-Methyl-naphthalene (ppb)	Naph-thalene (ppb)	Phenan-threne (ppb)	Pyrene (ppb)
08/21/13	<0.52	<0.52	<0.16	<0.016	<0.041	<0.031	<0.062	<0.019	<0.082	<0.093	<0.025	<0.27	<0.052	<0.52	<0.52	<0.52	<0.11	<0.12
ENFORCE MENT STANDARD = ES – **Bold**			**3000**	-	**0.2**	**0.2**	-	-	**0.2**	-	**400**	**400**	-	-	-	**100**	-	**250**
PREVENTIVE ACTION LIMIT = *PAL - Italics*			*600*	-	*0.02*	*0.02*	-	-	*0.02*	-	*80*	*80*	-	-	-	*10*	-	*50*

(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
(PAH)
Keller Property BRRTS #02-38-560993

Well TW-4

Date	Ace-naphthene (ppb)	Acenaph-thylene (ppb)	Anthracene (ppb)	Benzo(a) anthracene (ppb)	Benzo(a) pyrene (ppb)	Benzo(b) fluoranthene (ppb)	Benzo(g,h,I) Perylene (ppb)	Benzo(k) fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h) anthracene (ppb)	Fluoran-thene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd) pyrene (ppb)	1-Methyl-naphthalene (ppb)	2-Methyl-naphthalene (ppb)	Naph-thalene (ppb)	Phenan-threne (ppb)	Pyrene (ppb)
08/21/13	<0.52	<0.52	<0.16	<0.017	<0.042	<0.031	<0.063	<0.019	<0.083	<0.094	<0.025	<0.27	<0.052	<0.52	<0.52	<0.52	<0.11	<0.13
ENFORCE MENT STANDARD = ES – Bold			3000	-	0.2	0.2	-	-	0.2	-	400	400	-	-	-	100	-	250
PREVENTIVE ACTION LIMIT = *PAL - Italics*			*600*	-	*0.02*	*0.02*	-	-	*0.02*	-	*80*	*80*	-	-	-	*10*	-	*50*

(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 FD2 (TW1)

Date	Ace-naphthene (ppb)	Acenaph-thylene (ppb)	Anthracene (ppb)	Benzo(a) anthracene (ppb)	Benzo(a) pyrene (ppb)	Benzo(b) fluoranthene (ppb)	Benzo(g,h,I) Perylene (ppb)	Benzo(k) fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h) anthracene (ppb)	Fluoran-thene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd) pyrene (ppb)	1-Methyl-naphthalene (ppb)	2-Methyl-naphthalene (ppb)	Naph-thalene (ppb)	Phenan-threne (ppb)	Pyrene (ppb)
08/21/13	<0.52	<0.52	<0.16	<0.017	<0.042	<0.032	<0.063	<0.019	<0.084	<0.095	<0.025	<0.27	<0.052	0.63	<0.53	<0.53	<0.12	<0.13
ENFORCE MENT STANDARD = ES – Bold			3000	-	0.2	0.2	-	-	0.2	-	400	400	-	-	-	100	-	250
PREVENTIVE ACTION LIMIT = *PAL - Italics*			*600*	-	*0.02*	*0.02*	-	-	*0.02*	-	*80*	*80*	-	-	-	*10*	-	*50*

(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 TW-24

Date	Ace-naphthene (ppb)	Acenaph-thylene (ppb)	Anthracene (ppb)	Benzo(a) anthracene (ppb)	Benzo(a) pyrene (ppb)	Benzo(b) fluoranthene (ppb)	Benzo(g,h,I) Perylene (ppb)	Benzo(k) fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h) anthracene (ppb)	Fluoran-thene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd) pyrene (ppb)	1-Methyl-naphthalene (ppb)	2-Methyl-naphthalene (ppb)	Naph-thalene (ppb)	Phenan-threne (ppb)	Pyrene (ppb)
04/11/17	<0.08	<0.095	<0.095	0.104	<0.1	*0.173*	<0.125	<0.08	<0.1	<0.125	0.154	<0.105	<0.115	<0.12	<0.12	0.152	<0.125	0.126
ENFORCE MENT STANDARD = ES – Bold			3000	-	0.2	0.2	-	-	0.2	-	400	400	-	-	-	100	-	250
PREVENTIVE ACTION LIMIT = *PAL - Italics*			*600*	-	*0.02*	*0.02*	-	-	*0.02*	-	*80*	*80*	-	-	-	*10*	-	*50*

(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.6 Water Level Elevations
Keller Property BRRTS #02-38-560993
Marinette, Wisconsin

	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	TW-24
Ground Surface (feet msl)	583.97	583.72	583.81	584.28	583.79	584.34	NM
PVC top (feet msl)	583.51	583.28	583.30	583.81	583.33	583.88	NM
Well Depth (feet)	13.00	13.00	13.00	13.00	13.00	13.00	4
Top of screen (feet msl)	580.97	580.72	580.81	581.28	580.79	581.34	NM
Bottom of screen (feet msl)	570.97	570.72	570.81	571.28	570.79	571.34	NM
Depth to Water From Top of PVC (feet)							
01/20/16	3.88	3.61	3.70	4.19	3.69	4.16	NM
04/11/17	3.11	2.86	2.87	3.37	2.91	3.48	1.54
Depth to Water From Ground Surface (feet)							
01/20/16	4.34	4.05	4.21	4.66	4.15	4.62	NM
04/11/17	3.57	3.30	3.38	3.84	3.37	3.94	NM
Groundwater Elevation (feet msl)							
01/20/16	579.63	579.67	579.60	579.62	579.64	579.72	NM
04/11/17	580.40	580.42	580.43	580.44	580.42	580.40	NM

CNL = Could Not Locate
A = Abandoned and removed during soil excavation project
NI = Not Installed

A.7 Other
Groundwater NA Indicator Results
Keller Property BRRTS #02-38-560993

Well MW-1

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Man-ganese (ppb)
01/20/16	2.86	6.57	-32	7.2	408	0.401	15.7	2.54	**677**
04/11/17	1.56	6.85	35	6.5	630	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)	Man-ganese (ppb)
01/20/16	3.35	6.64	187	5.9	732	0.329	47.8	0.74	**563**
04/11/17	0.47	6.82	204	4.4	731	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)	Man-ganese (ppb)
01/20/16	3.42	6.62	-61	5.7	780	0.509	81.8	0.44	*150*
04/11/17	0.78	6.85	47	4.8	635	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)	Man-ganese (ppb)
01/20/16	2.79	6.39	-108	7.3	734	0.357	145	1.70	**321**
04/11/17	1.46	6.84	130	7.0	817	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
Keller Property BRRTS #02-38-560993

Well MW-5

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Man-ganese (ppb)
01/20/16	6.73	6.52	223	7.2	666	0.296	33.2	0.62	**353**
04/11/17	1.81	6.55	206	7.5	768	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)	Man-ganese (ppb)
01/20/16	7.54	6.55	213	8.1	857	0.257	65.1	0.63	**410**
04/11/17						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 TW-24

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Man-ganese (ppb)
04/11/17	3.14	6.99	166	3.3	419.8	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).

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed / Wastewater: Waste Management:
Remediation / Redevelopment: X Other:

Facility / Project Name	License / Permit / Monitoring Number	Boring Number
Keller Property		G-24/TW-24

Boring Drilled By: Name of crew chief (first, last) and Firm	Drilling Date Started	Drilling Date Completed	Drilling Method
First: Darrin Last: Prentice Firm: Geiss Soil and Samples,LLC	04/11/2017 MM/ DD/ YYYY	04/11/2017 MM /DD/ YYYY	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
VR654		TW-24	577.5 ft msl	578 ft msl	2"

Local Grid Origin (estimated X) or Boring Location		Local Grid Location	
State Plane N, E	Lat 45° 5' 30.08"	N	E
NE ¼ of NE ¼ of Section 8 , T30N, R24E	Long 87° 36' 2.23"	Feet S	Feet W

Facility ID	County	County Code	Civil Town / City / Village
NONE	Marinette	38	Marinette

Sample: Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	Soil Properties: USCS	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
G-24-1 0-4 ft	48 48		1	Marsh (grass) 0-1' Black organic rich top soil	FILL			0.8		W				No Petro Odor
			2 3	1-4' Tan very fine to medium sand to silty sand	SP/SM									
			4 5 6 7 8	EOB @ 4 Feet. Temp well TW-24 installed to 4 feet bgs.										

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

Signature: Nathan C Keller Firm: **METCO**

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295 and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed / Wastewater: Waste Management:
Remediation / Redevelopment: X Other:

Facility / Project Name	License / Permit / Monitoring Number	Boring Number
Keller Property		G-25

Boring Drilled By: Name of crew chief (first, last) and Firm	Drilling Date Started	Drilling Date Completed	Drilling Method
First: Darrin Last: Prentice Firm: Geiss Soil and Samples,LLC	04/11/2017 MM/ DD/ YYYY	04/11/2017 MM /DD/ YYYY	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
				584 ft msl	2"

Local Grid Origin (estimated X) or Boring Location		Local Grid Location
State Plane N, E	Lat 45° 5' 30.08"	N E
NE ¼ of NE ¼ of Section 8 , T30N, R24E	Long 87° 36' 2.23"	Feet S Feet W

Facility ID	County	County Code	Civil Town / City / Village
NONE	Marinette	38	Marinette

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
				Gravel										
			1											
			2	Dark brown to tan very fine to medium grained sand to silty sand with trace gravel	SP/SM									
			3											
G-25-1 0-4 ft	48 18							0.5		M				No Petro Odor
			4	EOB @ 4 Feet. Borehole abandoned.										
			5											
			6											
			7											
			8											

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

Signature: Matthew C Keller Firm: **METCO**

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295 and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed / Wastewater: Waste Management:
Remediation / Redevelopment: X Other:

Facility / Project Name	License / Permit / Monitoring Number	Boring Number
Keller Property		G-26

Boring Drilled By: Name of crew chief (first, last) and Firm	Drilling Date Started	Drilling Date Completed	Drilling Method
First: Darrin Last: Prentice	04/11/2017	04/11/2017	Geoprobe
Firm: Geiss Soil and Samples,LLC	MM/ DD/ YYYY	MM /DD/ YYYY	

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
				584 ft msl	2"

Local Grid Origin (estimated X) or Boring Location		Local Grid Location
State Plane N, E	Lat 45° 5' 30.08"	N E
NE ¼ of NE ¼ of Section 8 , T30N, R24E	Long 87° 36' 2.23"	Feet S Feet W

Facility ID	County	County Code	Civil Town / City / Village
NONE	Marinette	38	Marinette

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
			1	Gravel										
			2	Tan to dark brown fine to coarse grained sand to silty sand with gravel	SP/SM									
G-26-1 0-4 ft	48 18		3					0.6		M				No Petro Odor
			4	EOB @ 4 Feet. Borehole abandoned.										
			5											
			6											
			7											
			8											

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

Signature: Matthew C Mahler Firm: **METCO**

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed / Wastewater: Waste Management:
Remediation / Redevelopment: X Other:

Facility / Project Name	License / Permit / Monitoring Number	Boring Number
Keller Property		G-27

Boring Drilled By: Name of crew chief (first, last) and Firm	Drilling Date Started	Drilling Date Completed	Drilling Method
First: Darrin Last: Prentice	04/11/2017	04/11/2017	Geoprobe
Firm: Geiss Soil and Samples,LLC	MM/ DD/ YYYY	MM /DD/ YYYY	

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
				584 ft msl	2"

Local Grid Origin (estimated X) or Boring Location		Local Grid Location
State Plane N, E	Lat 45° 5' 30.08"	N E
NE ¼ of NE ¼ of Section 8 , T30N, R24E	Long 87° 36' 2.23"	Feet S Feet W

Facility ID	County	County Code	Civil Town / City / Village
NONE	Marinette	38	Marinette

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
			1	Gravel										
			2	Tan to dark brown fine to coarse grained sand to silty sand with gravel	SP/SM									
G-27-1 0-4 ft	48 18		3					0.6		M				No Petro Odor
			4	EOB @ 4 Feet. Borehole abandoned.										
			5											
			6											
			7											
			8											

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

Signature: Matthew C Mahler Firm: **METCO**

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ Verification Only of Fill and Seal

Route to: ☐ Drinking Water ☐ Waste Management ☐ Watershed/Wastewater ☐ Other: ☒ Remediation/Redevelopment

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
MARINETTE		

Latitude / Longitude (Degrees and Minutes): 45 ° 5.308 ' N; 87 ° 36.223 ' W — Method Code (see instructions):

¼ / ¼	¼	Section	Township	Range	
NE	NE	8	30 N	24	☒ E ☐ W

or Gov't Lot #

Well Street Address: 102 Water Street

Well City, Village or Town	Well ZIP Code
Marinette	54143-

Subdivision Name	Lot #

Reason For Removal From Service	WI Unique Well # of Replacement Well
Sampling Complete	

2. Facility / Owner Information

Facility Name: Keller Property

Facility ID (FID or PWS): None

License/Permit/Monitoring #:

Original Well Owner: Ken Keller

Present Well Owner: Ken Keller

Mailing Address of Present Owner: 309 Ogden Street

City of Present Owner	State	ZIP Code
Marinette	WI	54143-

3. Well / Drillhole / Borehole Information

☐ Monitoring Well ☐ Water Well ☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 4/11/2017

If a Well Construction Report is available, please attach.

Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☒ Other (specify): Geoprobe

Formation Type: ☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
4	

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
2	

Was well annular space grouted? ☐ Yes ☐ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☐ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☒ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☐ Screened & Poured (Bentonite Chips) ☒ Other (Explain): Gravity

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☒ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

	From (ft.)	To (ft.)	pounds	
Medium Bentonite Chips	Surface	4	6	

6. Comments

Geoprobe Boring G-25
Abandoned by Geiss Soil & Samples, LLC under METCO supervision

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
Matt Michalski/METCO		4/11/2017

Street or Route	Telephone Number
709 Gillette Street, Suite 3	(608) 781-8879

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
La Crosse	WI	54603-	Matthew C Michalski	5/2/17

DNR Use Only

Date Received	Noted By

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ Verification Only of Fill and Seal

Route to: ☐ Drinking Water ☐ Watershed/Wastewater [X] Remediation/Redevelopment ☐ Waste Management ☐ Other:

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
MARINETTE		

Latitude / Longitude (Degrees and Minutes): 45 ° 5.308 ' N; 87 ° 36.223 ' W — Method Code (see instructions):

¼ / ¼	¼	Section	Township	Range	
NE	NE	8	30 N	24	[X] E ☐ W

or Gov't Lot #

Well Street Address: 102 Water Street

Well City, Village or Town	Well ZIP Code
Marinette	54143-

Subdivision Name	Lot #

Reason For Removal From Service: Sampling Complete

WI Unique Well # of Replacement Well:

2. Facility / Owner Information

Facility Name: Keller Property

Facility ID (FID or PWS): None

License/Permit/Monitoring #:

Original Well Owner: Ken Keller

Present Well Owner: Ken Keller

Mailing Address of Present Owner: 309 Ogden Street

City of Present Owner	State	ZIP Code
Marinette	WI	54143-

3. Well / Drillhole / Borehole Information

☐ Monitoring Well ☐ Water Well [X] Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 4/11/2017

If a Well Construction Report is available, please attach.

Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug [X] Other (specify): Geoprobe

Formation Type: [X] Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
4	

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
2	

Was well annular space grouted? ☐ Yes ☐ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	[X] N/A
Liner(s) removed?	☐ Yes	☐ No	[X] N/A
Screen removed?	☐ Yes	☐ No	[X] N/A
Casing left in place?	☐ Yes	☐ No	[X] N/A
Was casing cut off below surface?	☐ Yes	☐ No	[X] N/A
Did sealing material rise to surface?	[X] Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	[X] No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	[X] N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	[X] Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material: ☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☐ Screened & Poured (Bentonite Chips) [X] Other (Explain): Gravity

Sealing Materials: ☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.) ☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " " ☐ Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only: [X] Bentonite Chips ☐ Bentonite - Cement Grout ☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

Material Used To Fill Well / Drillhole	From (ft.)	To (ft.)	pounds	
Medium Bentonite Chips	Surface	4	6	

6. Comments

Geoprobe Boring G-26
Abandoned by Geiss Soil & Samples, LLC under METCO supervision

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
Matt Michalski/METCO		4/11/2017

Street or Route	Telephone Number
709 Gillette Street, Suite 3	(608) 781-8879

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
La Crosse	WI	54603-		5/2017

DNR Use Only

Date Received	Noted By

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

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☐ Verification Only of Fill and Seal

Route to: ☐ Drinking Water ☐ Watershed/Wastewater [X] Remediation/Redevelopment ☐ Waste Management ☐ Other: _____

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
MARINETTE		

Latitude / Longitude (Degrees and Minutes): 45 ° 5.308 ' N; 87 ° 36.223 ' W — Method Code (see instructions):

¼ / ¼	¼	Section	Township	Range	
NE	NE	8	30 N	24	[X] E ☐ W

or Gov't Lot #

Well Street Address: 102 Water Street

Well City, Village or Town	Well ZIP Code
Marinette	54143-

Subdivision Name	Lot #

Reason For Removal From Service: Sampling Complete

WI Unique Well # of Replacement Well:

2. Facility / Owner Information

Facility Name: Keller Property

Facility ID (FID or PWS): None

License/Permit/Monitoring #:

Original Well Owner: Ken Keller

Present Well Owner: Ken Keller

Mailing Address of Present Owner: 309 Ogden Street

City of Present Owner	State	ZIP Code
Marinette	WI	54143-

3. Well / Drillhole / Borehole Information

☐ Monitoring Well ☐ Water Well [X] Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 4/11/2017

If a Well Construction Report is available, please attach.

Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug [X] Other (specify): Geoprobe

Formation Type: [X] Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
4	

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
2	

Was well annular space grouted? ☐ Yes ☐ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	[X] N/A
Liner(s) removed?	☐ Yes	☐ No	[X] N/A
Screen removed?	☐ Yes	☐ No	[X] N/A
Casing left in place?	☐ Yes	☐ No	[X] N/A
Was casing cut off below surface?	☐ Yes	☐ No	[X] N/A
Did sealing material rise to surface?	[X] Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	[X] No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	[X] N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	[X] Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material: ☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☐ Screened & Poured (Bentonite Chips) [X] Other (Explain): Gravity

Sealing Materials: ☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.) ☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " " ☐ Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only: [X] Bentonite Chips ☐ Bentonite - Cement Grout ☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

Material Used To Fill Well / Drillhole	From (ft.)	To (ft.)	pounds	
Medium Bentonite Chips	Surface	4	6	

6. Comments

Geoprobe Boring G-27
Abandoned by Geiss Soil & Samples, LLC under METCO supervision

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
Matt Michalski/METCO		4/11/2017

Street or Route: 709 Gillette Street, Suite 3

Telephone Number: (608) 781-8879

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
La Crosse	WI	54603-	Matthew C Michalski	5/2/17

DNR Use Only

Date Received	Noted By

Comments:

State of Wisconsin
Department of Natural Resources

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

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Keller Property	Local Grid Location of Well: _____ ft. ☐N. ☐S. _____ ft. ☐E. ☐W.	Well Name: TW-24
Facility License, Permit or Monitoring No.	Local Grid Origin [X] (estimated: ☐) or Well Location ☐ Lat. 45 ° 5 ' 30.08 " Long. 87 ° 36 ' 2.23 " or	Wis. Unique Well No.: VR654 / DNR Well ID No.:
Facility ID	St. Plane _____ ft. N, _____ ft. E. S/C/N	Date Well Installed: 4/11/2017 (m m d d y y y y)
Type of Well: Well Code 99 / Ot	Section Location of Waste/Source: NE 1/4 of NE 1/4 of Sec. 8, T. 30 N, R. 24 [X] E ☐ W	Well Installed By: Name (first, last) and Firm: Darrin Prentice; Geiss Soil & Samples, LLC
Distance from Waste/Source _____ ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number:

A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation 579 ft. MSL

C. Land surface elevation 578 ft. MSL

D. Surface seal, bottom _____ ft. MSL or _____ 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 [X] No

14. Drilling method used: Rotary ☐ 50 / Hollow Stem Auger ☐ 41 / Geoprobe _____ Other [X]

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

16. Drilling additives used? ☐ Yes [X] No
Describe _____

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

E. Bentonite seal, top _____ ft. MSL or _____ ft.

F. Fine sand, top _____ ft. MSL or 3.5 ft.

G. Filter pack, top _____ ft. MSL or 3.5 ft.

H. Screen joint, top _____ ft. MSL or 3.5 ft.

I. Well bottom _____ ft. MSL or 4 ft.

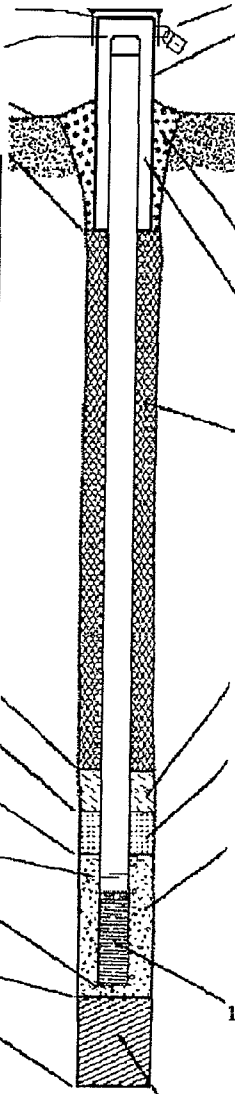
J. Filter pack, bottom _____ ft. MSL or 4 ft.

K. Borehole, bottom _____ ft. MSL or 4 ft.

L. Borehole, diameter 2 in.

M. O.D. well casing 1.25 in.

N. I.D. well casing 1 in.



1. Cap and lock? ☐ Yes [X] No

2. Protective cover pipe:
a. Inside diameter: _____ in.
b. Length: _____ 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 [X] 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. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 / Tremie pumped ☐ 02 / Gravity [X] 08

6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☐ 3/8 in. ☐ 1/2 in. Bentonite chips ☐ 32
c. Granular Bentonite _____ Other [X] _____

7. Fine sand material: Manufacturer, product name & mesh size
a. _____
b. Volume added _____ ft^3

8. Filter pack material: Manufacturer, product name & mesh size
a. Red Flint #40
b. Volume added 0.5 ft^3

9. Well casing: Flush threaded PVC schedule 40 [X] 23 / Flush threaded PVC schedule 80 ☐ 24 / Other ☐ _____

10. Screen material: PVC _____
a. Screen type: Factory cut [X] 11 / Continuous slot ☐ 01 / Other ☐ _____
b. Manufacturer _____
c. Slot size: 0.01 in.
d. Slotted length: 3.5 ft.

11. Backfill material (below filter pack): None [X] 14 / Other ☐ _____

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

Signature: Nicholas C Nikolai | Firm: METCO

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Synergy Environmental Lab,

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

KEN KELLER
KEN KELLER
309 OGDEN STREET
MARINETTE, WI 54143

Report Date *28-Apr-17*

Project Name KELLER PROPERTY **Invoice #** E32760
Project #

Lab Code 5032760A
Sample ID G-24-1
Sample Matrix Soil
Sample Date 4/11/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	82.7	%			1	5021		4/13/2017	NJC	1
Inorganic										
Metals										
Lead, Total	19.3	mg/Kg	0.17	0.58	1	6010B		4/19/2017	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.019	0.06	1	GRO95/8021		4/19/2017	TCC	1
Ethylbenzene	< 0.025	mg/kg	0.01	0.032	1	GRO95/8021		4/19/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.0079	0.025	1	GRO95/8021		4/19/2017	TCC	1
Naphthalene	< 0.025	mg/kg	0.022	0.07	1	GRO95/8021		4/19/2017	TCC	1
Toluene	< 0.025	mg/kg	0.014	0.046	1	GRO95/8021		4/19/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.01	0.032	1	GRO95/8021		4/19/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.011	0.036	1	GRO95/8021		4/19/2017	TCC	1
m&p-Xylene	< 0.05	mg/kg	0.012	0.037	1	GRO95/8021		4/19/2017	TCC	1
o-Xylene	< 0.025	mg/kg	0.015	0.047	1	GRO95/8021		4/19/2017	TCC	1

Project Name KELLER PROPERTY **Invoice #** E32760
Project #

Lab Code 5032760B
Sample ID G-25-1
Sample Matrix Soil
Sample Date 4/11/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	94.4	%			1	5021		4/13/2017	NJC	1
Inorganic										
Metals										
Lead, Total	14.3	mg/Kg	0.17	0.58	1	6010B		4/19/2017	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.019	0.06	1	GRO95/8021		4/19/2017	TCC	1
Ethylbenzene	< 0.025	mg/kg	0.01	0.032	1	GRO95/8021		4/19/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.0079	0.025	1	GRO95/8021		4/19/2017	TCC	1
Naphthalene	< 0.025	mg/kg	0.022	0.07	1	GRO95/8021		4/19/2017	TCC	1
Toluene	< 0.025	mg/kg	0.014	0.046	1	GRO95/8021		4/19/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.01	0.032	1	GRO95/8021		4/19/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.011	0.036	1	GRO95/8021		4/19/2017	TCC	1
m&p-Xylene	< 0.05	mg/kg	0.012	0.037	1	GRO95/8021		4/19/2017	TCC	1
o-Xylene	< 0.025	mg/kg	0.015	0.047	1	GRO95/8021		4/19/2017	TCC	1

Lab Code 5032760C
Sample ID G-26-1
Sample Matrix Soil
Sample Date 4/11/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	83.4	%			1	5021		4/13/2017	NJC	1
Inorganic										
Metals										
Lead, Total	62.7	mg/Kg	0.17	0.58	1	6010B		4/19/2017	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	0.117	mg/kg	0.019	0.06	1	GRO95/8021		4/19/2017	TCC	1
Ethylbenzene	0.167	mg/kg	0.01	0.032	1	GRO95/8021		4/19/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.0079	0.025	1	GRO95/8021		4/19/2017	TCC	1
Naphthalene	0.34	mg/kg	0.022	0.07	1	GRO95/8021		4/19/2017	TCC	1
Toluene	0.75	mg/kg	0.014	0.046	1	GRO95/8021		4/19/2017	TCC	1
1,2,4-Trimethylbenzene	0.32	mg/kg	0.01	0.032	1	GRO95/8021		4/19/2017	TCC	1
1,3,5-Trimethylbenzene	0.105	mg/kg	0.011	0.036	1	GRO95/8021		4/19/2017	TCC	1
m&p-Xylene	0.81	mg/kg	0.012	0.037	1	GRO95/8021		4/19/2017	TCC	1
o-Xylene	0.36	mg/kg	0.015	0.047	1	GRO95/8021		4/19/2017	TCC	1

Project Name KELLER PROPERTY **Invoice #** E32760
Project #

Lab Code 5032760D
Sample ID G-27-1
Sample Matrix Soil
Sample Date 4/11/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	85.7	%			1	5021		4/13/2017	NJC	1
Inorganic										
Metals										
Lead, Total	22.9	mg/Kg	0.17	0.58	1	6010B		4/19/2017	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.019	0.06	1	GRO95/8021		4/19/2017	TCC	1
Ethylbenzene	< 0.025	mg/kg	0.01	0.032	1	GRO95/8021		4/19/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.0079	0.025	1	GRO95/8021		4/19/2017	TCC	1
Naphthalene	0.049 "J"	mg/kg	0.022	0.07	1	GRO95/8021		4/19/2017	TCC	1
Toluene	0.046	mg/kg	0.014	0.046	1	GRO95/8021		4/19/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.01	0.032	1	GRO95/8021		4/19/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.011	0.036	1	GRO95/8021		4/19/2017	TCC	1
m&p-Xylene	0.052	mg/kg	0.012	0.037	1	GRO95/8021		4/19/2017	TCC	1
o-Xylene	0.043 "J"	mg/kg	0.015	0.047	1	GRO95/8021		4/19/2017	TCC	1

Lab Code 5032760E
Sample ID MEOH BLANK
Sample Matrix Soil
Sample Date 4/11/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.019	0.06	1	GRO95/8021		4/19/2017	TCC	1
Ethylbenzene	< 0.025	mg/kg	0.01	0.032	1	GRO95/8021		4/19/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.0079	0.025	1	GRO95/8021		4/19/2017	TCC	1
Naphthalene	< 0.025	mg/kg	0.022	0.07	1	GRO95/8021		4/19/2017	TCC	1
Toluene	< 0.025	mg/kg	0.014	0.046	1	GRO95/8021		4/19/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.01	0.032	1	GRO95/8021		4/19/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.011	0.036	1	GRO95/8021		4/19/2017	TCC	1
m&p-Xylene	< 0.05	mg/kg	0.012	0.037	1	GRO95/8021		4/19/2017	TCC	1
o-Xylene	< 0.025	mg/kg	0.015	0.047	1	GRO95/8021		4/19/2017	TCC	1

Project Name KELLER PROPERTY **Invoice #** E32760
Project #

Lab Code 5032760F
Sample ID MW-5
Sample Matrix Water
Sample Date 4/11/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PAH SIM										
Acenaphthene	< 0.016	ug/l	0.016	0.05	1	M8270C	4/12/2017	4/12/2017	NJC	1
Acenaphthylene	0.023 "J"	ug/l	0.019	0.061	1	M8270C	4/12/2017	4/12/2017	NJC	1
Anthracene	0.037 "J"	ug/l	0.019	0.062	1	M8270C	4/12/2017	4/12/2017	NJC	1
Benzo(a)anthracene	0.102	ug/l	0.017	0.054	1	M8270C	4/12/2017	4/12/2017	NJC	1
Benzo(a)pyrene	0.075	ug/l	0.02	0.065	1	M8270C	4/12/2017	4/12/2017	NJC	1
Benzo(b)fluoranthene	0.136	ug/l	0.018	0.058	1	M8270C	4/12/2017	4/12/2017	NJC	1
Benzo(g,h,i)perylene	0.061 "J"	ug/l	0.025	0.081	1	M8270C	4/12/2017	4/12/2017	NJC	1
Benzo(k)fluoranthene	0.046 "J"	ug/l	0.016	0.05	1	M8270C	4/12/2017	4/12/2017	NJC	1
Chrysene	0.084	ug/l	0.02	0.065	1	M8270C	4/12/2017	4/12/2017	NJC	1
Dibenzo(a,h)anthracene	< 0.025	ug/l	0.025	0.078	1	M8270C	4/12/2017	4/12/2017	NJC	1
Fluoranthene	0.179	ug/l	0.017	0.053	1	M8270C	4/12/2017	4/12/2017	NJC	1
Fluorene	< 0.021	ug/l	0.021	0.066	1	M8270C	4/12/2017	4/12/2017	NJC	1
Indeno(1,2,3-cd)pyrene	0.049 "J"	ug/l	0.023	0.074	1	M8270C	4/12/2017	4/12/2017	NJC	1
1-Methyl naphthalene	0.028 "J"	ug/l	0.024	0.076	1	M8270C	4/12/2017	4/12/2017	NJC	1
2-Methyl naphthalene	0.034 "J"	ug/l	0.024	0.075	1	M8270C	4/12/2017	4/12/2017	NJC	1
Naphthalene	0.067 "J"	ug/l	0.025	0.081	1	M8270C	4/12/2017	4/12/2017	NJC	1
Phenanthrene	0.105	ug/l	0.025	0.081	1	M8270C	4/12/2017	4/12/2017	NJC	1
Pyrene	0.16	ug/l	0.02	0.063	1	M8270C	4/12/2017	4/12/2017	NJC	1
PVOC										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		4/13/2017	TCC	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		4/13/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		4/13/2017	TCC	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		4/13/2017	TCC	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		4/13/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		4/13/2017	TCC	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		4/13/2017	TCC	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		4/13/2017	TCC	1

Project Name KELLER PROPERTY
Project #

Invoice # E32760

Lab Code 5032760G
Sample ID MW-6
Sample Matrix Water
Sample Date 4/11/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PAH SIM										
Acenaphthene	< 0.016	ug/l	0.016	0.05	1	M8270C	4/12/2017	4/12/2017	NJC	1
Acenaphthylene	0.0215 "J"	ug/l	0.019	0.061	1	M8270C	4/12/2017	4/12/2017	NJC	1
Anthracene	< 0.019	ug/l	0.019	0.062	1	M8270C	4/12/2017	4/12/2017	NJC	1
Benzo(a)anthracene	0.076	ug/l	0.017	0.054	1	M8270C	4/12/2017	4/12/2017	NJC	1
Benzo(a)pyrene	0.069	ug/l	0.02	0.065	1	M8270C	4/12/2017	4/12/2017	NJC	1
Benzo(b)fluoranthene	0.132	ug/l	0.018	0.058	1	M8270C	4/12/2017	4/12/2017	NJC	1
Benzo(g,h,i)perylene	0.072 "J"	ug/l	0.025	0.081	1	M8270C	4/12/2017	4/12/2017	NJC	1
Benzo(k)fluoranthene	0.039 "J"	ug/l	0.016	0.05	1	M8270C	4/12/2017	4/12/2017	NJC	1
Chrysene	0.068	ug/l	0.02	0.065	1	M8270C	4/12/2017	4/12/2017	NJC	1
Dibenzo(a,h)anthracene	< 0.025	ug/l	0.025	0.078	1	M8270C	4/12/2017	4/12/2017	NJC	1
Fluoranthene	0.133	ug/l	0.017	0.053	1	M8270C	4/12/2017	4/12/2017	NJC	1
Fluorene	< 0.021	ug/l	0.021	0.066	1	M8270C	4/12/2017	4/12/2017	NJC	1
Indeno(1,2,3-cd)pyrene	0.054 "J"	ug/l	0.023	0.074	1	M8270C	4/12/2017	4/12/2017	NJC	1
1-Methyl naphthalene	0.0312 "J"	ug/l	0.024	0.076	1	M8270C	4/12/2017	4/12/2017	NJC	1
2-Methyl naphthalene	0.034 "J"	ug/l	0.024	0.075	1	M8270C	4/12/2017	4/12/2017	NJC	1
Naphthalene	0.078 "J"	ug/l	0.025	0.081	1	M8270C	4/12/2017	4/12/2017	NJC	1
Phenanthrene	0.086	ug/l	0.025	0.081	1	M8270C	4/12/2017	4/12/2017	NJC	1
Pyrene	0.111	ug/l	0.02	0.063	1	M8270C	4/12/2017	4/12/2017	NJC	1
PVOC										
Benzene	0.69	ug/l	0.17	0.55	1	8260B		4/13/2017	TCC	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		4/13/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		4/13/2017	TCC	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		4/13/2017	TCC	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		4/13/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		4/13/2017	TCC	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		4/13/2017	TCC	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		4/13/2017	TCC	1

Project Name KELLER PROPERTY
Project #

Invoice # E32760

Lab Code 5032760H
Sample ID TW-24
Sample Matrix Water
Sample Date 4/11/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PAH SIM										
Acenaphthene	< 0.08	ug/l	0.08	0.25	5	M8270C	4/12/2017	4/12/2017	NJC	I
Acenaphthylene	< 0.095	ug/l	0.095	0.305	5	M8270C	4/12/2017	4/12/2017	NJC	I
Anthracene	< 0.095	ug/l	0.095	0.31	5	M8270C	4/12/2017	4/12/2017	NJC	I
Benzo(a)anthracene	0.104 "J"	ug/l	0.085	0.27	5	M8270C	4/12/2017	4/12/2017	NJC	I
Benzo(a)pyrene	< 0.1	ug/l	0.1	0.325	5	M8270C	4/12/2017	4/12/2017	NJC	I
Benzo(b)fluoranthene	0.173 "J"	ug/l	0.09	0.29	5	M8270C	4/12/2017	4/12/2017	NJC	I
Benzo(g,h,i)perylene	< 0.125	ug/l	0.125	0.405	5	M8270C	4/12/2017	4/12/2017	NJC	I
Benzo(k)fluoranthene	< 0.08	ug/l	0.08	0.25	5	M8270C	4/12/2017	4/12/2017	NJC	I
Chrysene	< 0.1	ug/l	0.1	0.325	5	M8270C	4/12/2017	4/12/2017	NJC	I
Dibenzo(a,h)anthracene	< 0.125	ug/l	0.125	0.39	5	M8270C	4/12/2017	4/12/2017	NJC	I
Fluoranthene	0.154 "J"	ug/l	0.085	0.265	5	M8270C	4/12/2017	4/12/2017	NJC	I
Fluorene	< 0.105	ug/l	0.105	0.33	5	M8270C	4/12/2017	4/12/2017	NJC	I
Indeno(1,2,3-cd)pyrene	< 0.115	ug/l	0.115	0.37	5	M8270C	4/12/2017	4/12/2017	NJC	I
1-Methyl naphthalene	< 0.12	ug/l	0.12	0.38	5	M8270C	4/12/2017	4/12/2017	NJC	I
2-Methyl naphthalene	< 0.12	ug/l	0.12	0.375	5	M8270C	4/12/2017	4/12/2017	NJC	I
Naphthalene	0.152 "J"	ug/l	0.125	0.405	5	M8270C	4/12/2017	4/12/2017	NJC	I
Phenanthrene	< 0.125	ug/l	0.125	0.405	5	M8270C	4/12/2017	4/12/2017	NJC	I
Pyrene	0.126 "J"	ug/l	0.1	0.315	5	M8270C	4/12/2017	4/12/2017	NJC	I
PVOC										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		4/14/2017	TCC	I 55
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		4/14/2017	TCC	I 55
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		4/14/2017	TCC	I 55
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		4/14/2017	TCC	I 55
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		4/14/2017	TCC	I 55
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		4/14/2017	TCC	I 55
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		4/14/2017	TCC	I 55
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		4/14/2017	TCC	I 55

Project Name KELLER PROPERTY **Invoice #** E32760
Project #

Lab Code 5032760I
Sample ID MW-2
Sample Matrix Water
Sample Date 4/11/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PAH SIM										
Acenaphthene	< 0.016	ug/l	0.016	0.05	1	M8270C	4/12/2017	4/12/2017	NJC	I
Acenaphthylene	0.032 "J"	ug/l	0.019	0.061	1	M8270C	4/12/2017	4/12/2017	NJC	I
Anthracene	0.0243 "J"	ug/l	0.019	0.062	1	M8270C	4/12/2017	4/12/2017	NJC	I
Benzo(a)anthracene	0.059	ug/l	0.017	0.054	1	M8270C	4/12/2017	4/12/2017	NJC	I
Benzo(a)pyrene	0.051 "J"	ug/l	0.02	0.065	1	M8270C	4/12/2017	4/12/2017	NJC	I
Benzo(b)fluoranthene	0.104	ug/l	0.018	0.058	1	M8270C	4/12/2017	4/12/2017	NJC	I
Benzo(g,h,i)perylene	0.054 "J"	ug/l	0.025	0.081	1	M8270C	4/12/2017	4/12/2017	NJC	I
Benzo(k)fluoranthene	0.033 "J"	ug/l	0.016	0.05	1	M8270C	4/12/2017	4/12/2017	NJC	I
Chrysene	0.053 "J"	ug/l	0.02	0.065	1	M8270C	4/12/2017	4/12/2017	NJC	I
Dibenzo(a,h)anthracene	< 0.025	ug/l	0.025	0.078	1	M8270C	4/12/2017	4/12/2017	NJC	I
Fluoranthene	0.125	ug/l	0.017	0.053	1	M8270C	4/12/2017	4/12/2017	NJC	I
Fluorene	< 0.021	ug/l	0.021	0.066	1	M8270C	4/12/2017	4/12/2017	NJC	I
Indeno(1,2,3-cd)pyrene	0.039 "J"	ug/l	0.023	0.074	1	M8270C	4/12/2017	4/12/2017	NJC	I
1-Methyl naphthalene	0.33	ug/l	0.024	0.076	1	M8270C	4/12/2017	4/12/2017	NJC	I
2-Methyl naphthalene	0.145	ug/l	0.024	0.075	1	M8270C	4/12/2017	4/12/2017	NJC	I
Naphthalene	0.207	ug/l	0.025	0.081	1	M8270C	4/12/2017	4/12/2017	NJC	I
Phenanthrene	0.072 "J"	ug/l	0.025	0.081	1	M8270C	4/12/2017	4/12/2017	NJC	I
Pyrene	0.10	ug/l	0.02	0.063	1	M8270C	4/12/2017	4/12/2017	NJC	I
PVOC										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		4/14/2017	TCC	I
Ethylbenzene	1.62	ug/l	0.2	0.63	1	8260B		4/14/2017	TCC	I
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		4/14/2017	TCC	I
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		4/14/2017	TCC	I
1,2,4-Trimethylbenzene	4.8	ug/l	1.14	3.63	1	8260B		4/14/2017	TCC	I
1,3,5-Trimethylbenzene	1.27 "J"	ug/l	0.91	2.9	1	8260B		4/14/2017	TCC	I
m&p-Xylene	3.8 "J"	ug/l	1.56	4.95	1	8260B		4/14/2017	TCC	I
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		4/14/2017	TCC	I

Project Name KELLER PROPERTY
Project #

Invoice # E32760

Lab Code 5032760J
Sample ID MW-3
Sample Matrix Water
Sample Date 4/11/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PAH SIM										
Acenaphthene	< 0.16	ug/l	0.16	0.5	10	M8270C	4/12/2017	4/12/2017	NJC	I
Acenaphthylene	< 0.19	ug/l	0.19	0.61	10	M8270C	4/12/2017	4/12/2017	NJC	I
Anthracene	< 0.19	ug/l	0.19	0.62	10	M8270C	4/12/2017	4/12/2017	NJC	I
Benzo(a)anthracene	0.18 "J"	ug/l	0.17	0.54	10	M8270C	4/12/2017	4/12/2017	NJC	I
Benzo(a)pyrene	< 0.2	ug/l	0.2	0.65	10	M8270C	4/12/2017	4/12/2017	NJC	I
Benzo(b)fluoranthene	< 0.18	ug/l	0.18	0.58	10	M8270C	4/12/2017	4/12/2017	NJC	I
Benzo(g,h,i)perylene	< 0.25	ug/l	0.25	0.81	10	M8270C	4/12/2017	4/12/2017	NJC	I
Benzo(k)fluoranthene	< 0.16	ug/l	0.16	0.5	10	M8270C	4/12/2017	4/12/2017	NJC	I
Chrysene	< 0.2	ug/l	0.2	0.65	10	M8270C	4/12/2017	4/12/2017	NJC	I
Dibenzo(a,h)anthracene	< 0.25	ug/l	0.25	0.78	10	M8270C	4/12/2017	4/12/2017	NJC	I
Fluoranthene	0.28 "J"	ug/l	0.17	0.53	10	M8270C	4/12/2017	4/12/2017	NJC	I
Fluorene	< 0.21	ug/l	0.21	0.66	10	M8270C	4/12/2017	4/12/2017	NJC	I
Indeno(1,2,3-cd)pyrene	< 0.23	ug/l	0.23	0.74	10	M8270C	4/12/2017	4/12/2017	NJC	I
1-Methyl naphthalene	0.58 "J"	ug/l	0.24	0.76	10	M8270C	4/12/2017	4/12/2017	NJC	I
2-Methyl naphthalene	< 0.24	ug/l	0.24	0.75	10	M8270C	4/12/2017	4/12/2017	NJC	I
Naphthalene	2.06	ug/l	0.25	0.81	10	M8270C	4/12/2017	4/12/2017	NJC	I
Phenanthrene	0.259 "J"	ug/l	0.25	0.81	10	M8270C	4/12/2017	4/12/2017	NJC	I
Pyrene	< 0.2	ug/l	0.2	0.63	10	M8270C	4/12/2017	4/12/2017	NJC	I
PVOC										
Benzene	0.33 "J"	ug/l	0.17	0.55	1	8260B		4/14/2017	TCC	I
Ethylbenzene	15.7	ug/l	0.2	0.63	1	8260B		4/14/2017	TCC	I
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		4/14/2017	TCC	I
Toluene	2.09 "J"	ug/l	0.67	2.13	1	8260B		4/14/2017	TCC	I
1,2,4-Trimethylbenzene	9.3	ug/l	1.14	3.63	1	8260B		4/14/2017	TCC	I
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		4/14/2017	TCC	I
m&p-Xylene	3.7 "J"	ug/l	1.56	4.95	1	8260B		4/14/2017	TCC	I
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		4/14/2017	TCC	I

Project Name KELLER PROPERTY **Invoice #** E32760
Project #

Lab Code 5032760K
Sample ID MW-4
Sample Matrix Water
Sample Date 4/11/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PAH SIM										
Acenaphthene	0.91	ug/l	0.16	0.5	10	M8270C	4/12/2017	4/12/2017	NJC	1
Acenaphthylene	< 0.19	ug/l	0.19	0.61	10	M8270C	4/12/2017	4/12/2017	NJC	1
Anthracene	0.283 "J"	ug/l	0.19	0.62	10	M8270C	4/12/2017	4/12/2017	NJC	1
Benzo(a)anthracene	0.222 "J"	ug/l	0.17	0.54	10	M8270C	4/12/2017	4/12/2017	NJC	1
Benzo(a)pyrene	< 0.2	ug/l	0.2	0.65	10	M8270C	4/12/2017	4/12/2017	NJC	1
Benzo(b)fluoranthene	< 0.18	ug/l	0.18	0.58	10	M8270C	4/12/2017	4/12/2017	NJC	1
Benzo(g,h,i)perylene	< 0.25	ug/l	0.25	0.81	10	M8270C	4/12/2017	4/12/2017	NJC	1
Benzo(k)fluoranthene	< 0.16	ug/l	0.16	0.5	10	M8270C	4/12/2017	4/12/2017	NJC	1
Chrysene	< 0.2	ug/l	0.2	0.65	10	M8270C	4/12/2017	4/12/2017	NJC	1
Dibenzo(a,h)anthracene	< 0.25	ug/l	0.25	0.78	10	M8270C	4/12/2017	4/12/2017	NJC	1
Fluoranthene	0.65	ug/l	0.17	0.53	10	M8270C	4/12/2017	4/12/2017	NJC	1
Fluorene	0.65 "J"	ug/l	0.21	0.66	10	M8270C	4/12/2017	4/12/2017	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.23	ug/l	0.23	0.74	10	M8270C	4/12/2017	4/12/2017	NJC	1
1-Methyl naphthalene	2.57	ug/l	0.24	0.76	10	M8270C	4/12/2017	4/12/2017	NJC	1
2-Methyl naphthalene	< 0.24	ug/l	0.24	0.75	10	M8270C	4/12/2017	4/12/2017	NJC	1
Naphthalene	0.90	ug/l	0.25	0.81	10	M8270C	4/12/2017	4/12/2017	NJC	1
Phenanthrene	1.27	ug/l	0.25	0.81	10	M8270C	4/12/2017	4/12/2017	NJC	1
Pyrene	0.45 "J"	ug/l	0.2	0.63	10	M8270C	4/12/2017	4/12/2017	NJC	1
PVOC										
Benzene	4.1	ug/l	0.17	0.55	1	8260B		4/14/2017	TCC	1
Ethylbenzene	8.7	ug/l	0.2	0.63	1	8260B		4/14/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		4/14/2017	TCC	1
Toluene	1.74 "J"	ug/l	0.67	2.13	1	8260B		4/14/2017	TCC	1
1,2,4-Trimethylbenzene	16.8	ug/l	1.14	3.63	1	8260B		4/14/2017	TCC	1
1,3,5-Trimethylbenzene	3.06	ug/l	0.91	2.9	1	8260B		4/14/2017	TCC	1
m&p-Xylene	24.9	ug/l	1.56	4.95	1	8260B		4/14/2017	TCC	1
o-Xylene	2.11	ug/l	0.39	1.25	1	8260B		4/14/2017	TCC	1

Project Name KELLER PROPERTY **Invoice #** E32760
Project #

Lab Code 5032760L
Sample ID MW-1
Sample Matrix Water
Sample Date 4/11/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PAH SIM										
Acenaphthene	< 0.16	ug/l	0.16	0.5	10	M8270C	4/12/2017	4/12/2017	NJC	1
Acenaphthylene	< 0.19	ug/l	0.19	0.61	10	M8270C	4/12/2017	4/12/2017	NJC	1
Anthracene	< 0.19	ug/l	0.19	0.62	10	M8270C	4/12/2017	4/12/2017	NJC	1
Benzo(a)anthracene	< 0.17	ug/l	0.17	0.54	10	M8270C	4/12/2017	4/12/2017	NJC	1
Benzo(a)pyrene	< 0.2	ug/l	0.2	0.65	10	M8270C	4/12/2017	4/12/2017	NJC	1
Benzo(b)fluoranthene	< 0.18	ug/l	0.18	0.58	10	M8270C	4/12/2017	4/12/2017	NJC	1
Benzo(g,h,i)perylene	< 0.25	ug/l	0.25	0.81	10	M8270C	4/12/2017	4/12/2017	NJC	1
Benzo(k)fluoranthene	< 0.16	ug/l	0.16	0.5	10	M8270C	4/12/2017	4/12/2017	NJC	1
Chrysene	< 0.2	ug/l	0.2	0.65	10	M8270C	4/12/2017	4/12/2017	NJC	1
Dibenzo(a,h)anthracene	< 0.25	ug/l	0.25	0.78	10	M8270C	4/12/2017	4/12/2017	NJC	1
Fluoranthene	< 0.17	ug/l	0.17	0.53	10	M8270C	4/12/2017	4/12/2017	NJC	1
Fluorene	0.288 "J"	ug/l	0.21	0.66	10	M8270C	4/12/2017	4/12/2017	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.23	ug/l	0.23	0.74	10	M8270C	4/12/2017	4/12/2017	NJC	1
1-Methyl naphthalene	20.0	ug/l	0.24	0.76	10	M8270C	4/12/2017	4/12/2017	NJC	1
2-Methyl naphthalene	39.0	ug/l	0.24	0.75	10	M8270C	4/12/2017	4/12/2017	NJC	1
Naphthalene	28.7	ug/l	0.25	0.81	10	M8270C	4/12/2017	4/12/2017	NJC	1
Phenanthrene	0.278 "J"	ug/l	0.25	0.81	10	M8270C	4/12/2017	4/12/2017	NJC	1
Pyrene	< 0.2	ug/l	0.2	0.63	10	M8270C	4/12/2017	4/12/2017	NJC	1
PVOC										
Benzene	25	ug/l	3.4	11	20	8260B		4/14/2017	TCC	1
Ethylbenzene	166	ug/l	4	12.6	20	8260B		4/14/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 16.4	ug/l	16.4	52	20	8260B		4/14/2017	TCC	1
Toluene	< 13.4	ug/l	13.4	42.6	20	8260B		4/14/2017	TCC	1
1,2,4-Trimethylbenzene	233	ug/l	22.8	72.6	20	8260B		4/14/2017	TCC	1
1,3,5-Trimethylbenzene	59	ug/l	18.2	58	20	8260B		4/14/2017	TCC	1
m&p-Xylene	271	ug/l	31.2	99	20	8260B		4/14/2017	TCC	1
o-Xylene	< 7.8	ug/l	7.8	25	20	8260B		4/14/2017	TCC	1

Lab Code 5032760M
Sample ID TB
Sample Matrix Water
Sample Date 4/11/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		4/14/2017	TCC	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		4/14/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		4/14/2017	TCC	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		4/14/2017	TCC	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		4/14/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		4/14/2017	TCC	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		4/14/2017	TCC	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		4/14/2017	TCC	1

"J" Flag: Analyte detected between LOD and LOQ LOD Limit of Detection LOQ Limit of Quantitation

Code	*Comment*
1	Laboratory QC within limits.
55	Vials combined due to sedimentation.

CWT denotes sub contract lab - Certification #445126660

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*

CHAIN OF CUSTODY RECORD

Synergy Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631

Chain # Nº 290

Page 1 of 2

Sample Handling Request
____ Rush Analysis Date Required ____
(Rushes accepted only with prior authorization)
__X__ Normal Turn Around

Lab I.D. #

Account No. : | **Quote No.:**

Project #:

Sampler: (signature) Matthew C Mitchell

Project (Name / Location): Keller Property / Marinette, WI

Reports To: Ken Keller	Invoice To: Ken Keller
Company	Company c/o METCO
Address 309 Ogden St.	Address 709 Gillette St, Ste 3
City State Zip Marinette, WI 54143	City State Zip La Crosse, WI 54603
Phone 715-923-0449	Phone 608-781-8879
FAX	FAX

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 542.2)	VOC (EPA 8260)	8-RCRA METALS	PID/ FID
503276004 A	G-24-1	4/11/17	1:35		X	N	2	S	MeOH/None			X						X						
B	G-25-1	"	1:45		X	"	2	S	"			X						X						
C	G-26-1	"	1:50		X	"	2	S	"			X						X						
D	G-27-1	"	1:55		X	"	2	S	"			X						X						
E	MeOH Blank						1											X						
F	MW-5	4/11/17	3:15		X	N	4	GW	HCL/None						X		X							
G	MW-6	"	3:40		"	"	"	"	"						"		"							
H	TW-24	"	3:50		"	"	"	"	"						"		"							
I	MW-2	"	4:15		"	"	"	"	"						"		"							
J	MW-3	"	4:30		"	"	"	"	"						"		"							

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

Lab to send copy of report to METCO / Jason P. (Invoice to METCO)

UrC Rates Apply

Agent Status

Sample Integrity - To be completed by receiving lab.

Method of Shipment: Courier

Temp. of Temp. Blank ____ °C On Ice: X

Cooler seal intact upon receipt: X Yes ____ No

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
Matthew C Mitchell	9:45am	4/12/17			

Received in Laboratory By: [signature] Time: 10:00 Date: 4/12/17

CHAIN OF CUSTODY RECORD

Synergy

Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631

Chain # No 2906

Page 2 of 2

Sample Handling Request
_____ Rush Analysis Date Required _____
(Rushes accepted only with prior authorization)
X Normal Turn Around

Lab I.D. #

Account No. : | **Quote No.:**

Project #:

Sampler: (signature) Matthew C Mitchell

Project (Name / Location): Keller Property / Marinette, WI

Reports To: Ken Keller	Invoice To: Ken Keller
Company	Company c/o METCO
Address 309 Ogden St.	Address 709 Gillette St, Ste 3
City State Zip Marinette, WI 54143	City State Zip LaCrosse, WI 54603
Phone 715-923-0449	Phone 608-781-8879
FAX	FAX

Analysis Requested | **Other Analysis**

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 542.2)	VOC (EPA 8260)	B-RCRA METALS	PID/ FID
502760-1	MW-4	4/11/17	4:50		X	N	4	GW	HCl/none						X		X							
-2	MW-1	↓	5:10		X	N	4	GW	↓						X		X							
-3	TB						1										X							

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

Lab to send copy of Report to METCO / Jason P. (Invoice to METCO)

UIC Rates Apply
Agent Status

Sample Integrity - To be completed by receiving lab.
Method of Shipment: Client
Temp. of Temp. Blank ____ °C On Ice: ^
Cooler seal intact upon receipt: X Yes ____ No

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
Matthew C Mitchell	9:45am	4/12/17			

Received in Laboratory By: Christopher J. Rose Time: 10:00 Date: 4/12/17