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July 20, 2017

BRRTS #: 03-14-563925
PECFA #: 53916-9214-68-A

Patrick Dowd
Wisconsin Department of Natural Resources
3911 Fish Hatchery Road
Fitchburg, WI 53711

Subject: Maron Property – Letter Report.

Dear Mr. Dowd,

Enclosed is the Letter Report for the Maron Property site located at W9468 Iron Road in Beaver Dam, Wisconsin.

Hand Sampling Project

On March 27, 2017, METCO personnel conducted one hand auger boring (HA-2) in the area of the former underground storage tank and collected one soil sample for Diesel Range Organics (DRO) analysis. This sample was required for disposal approval at the landfill.

Soil Excavation/Disposal/Capping Project

On April 25, 2017, DKS Construction Services, Inc. of Menomonie, Wisconsin conducted a soil excavation/disposal project at the subject property under the supervision and direction of METCO personnel. During this project, 101.44 tons of contaminated soil was excavated and hauled to the Advanced Disposal – Glacier Ridge Landfill in Horicon, Wisconsin. Prior to any excavation activities, monitoring well MW-1 was properly abandoned by METCO personnel. The excavation consisted of an area measuring up to 32 feet long, 12 feet wide, and 4 feet below ground surface (bgs). Within the excavation, an area measuring 8 feet by 8 feet was extended to 7 feet bgs and an area measuring 5 feet by 5 feet was extended to 10 feet bgs in the area of the removed UST.

Five soil samples were collected from the sidewalls and bottom of the excavation for laboratory analysis (PVOC and PAH). Four sidewall samples were collected at 3 feet bgs and one bottom sample was collected at 10 feet bgs.

Following the excavation project, a concrete cap was installed over the excavation area.

Drilling Project

On May 4, 2017, Soils & Engineering Services, Inc. (SES) of Madison, Wisconsin, installed one replacement and one additional monitoring well (MW-1R and MW-5) under the direction and supervision of METCO personnel. Both monitoring wells were installed to 13 feet bgs. During the drilling project, six soil samples were collected from the soil borings for PID analysis. Upon

completion, the monitoring wells were properly developed.

Sub Slab Vapor Sampling Project

On May 16, 2017, SCS Engineers of Madison, Wisconsin installed three sub-slab vapor sampling ports in the main floor of the building at W9468 Iron Road (SS-1, SS-2, and SS-3). The sub-slab vapor sampling ports were constructed by drilling a 1/2-inch pilot hole through the concrete slab and several inches into the sub slab material with a hammer drill. A 1 1/2-inch outer hole is then drilled to depths ranging from ¾ -inch to 1-inch, depending on the concrete slab thickness. The holes were cleaned of dust and drilling debris using a shop-vac. A stainless steel vapor pin is installed in the inner hole with a silicon sleeve to obtain an air tight seal with the concrete floor. The remainder of the hole is sealed with hydrated bentonite and a water dam test was conducted to confirm that the seal is air tight.

SCS Engineering then collected vapor samples from the sub-slab sampling ports for PVOC and Naphthalene analysis. Vapor samples were collected by screwing a male adapter with a short length of Teflon tubing into the sampling port. A Suma canister was connected to the other end of the Teflon tubing. The air samples were collected using a Suma canister with a flow regulator that allowed three sub-slab vapor samples to be collected over a 30 minute period. Prior to collecting the sub-slab vapor samples, a shut in test was conducted to assure that the fittings between the sample probe and sampling container are air tight. No leaks were detected.

Post Excavation Groundwater Monitoring

On May 16, 2017, METCO collected groundwater samples from five of the monitoring wells (MW-1R, MW-2, MW-3, MW-4, and MW-5) and the on-site private well (W9468 PW) for PVOC and Naphthalene analysis. Field measurements for water level, Dissolved Oxygen, pH, ORP, temperature, and Specific Conductivity were collected from all sampled monitoring wells. During the groundwater sampling event, the new monitoring wells were surveyed to feet mean sea level (msl) by METCO personnel.

Waste Disposal

On July 7, 2017, DKS Transport Services, LLC of Menomonie, Wisconsin picked up and disposed of two drums of soil cuttings and one drum of purge water to the Advanced Disposal – Seven Mile Creek Landfill in Eau Claire, Wisconsin.

Soil Results

Soil Sample EX-1: Collected at a depth of 3 feet bgs, showed no detects for PVOC and PAH compounds.

Soil Sample EX-2: Collected at a depth of 3 feet bgs, showed a NR720 Direct Contact RCL exceedence for Benzo(a)pyrene (0.15 ppm) as well as a NR720 Groundwater RCL exceedance for Chrysene (0.176 ppm).

Soil Sample EX-3: Collected at a depth of 3 feet bgs, showed a NR720 Groundwater RCL exceedance for Benzene (0.36 ppm).

Soil Sample EX-4: Collected at a depth of 3 feet bgs, showed a NR720 Direct Contact RCL

exceedence for Benzo(a)pyrene (0.314 ppm) as well as a NR720 Groundwater RCL exceedance for Chrysene (0.33 ppm).

Soil Sample EX-5: Collected at a depth of 10 feet bgs, showed detects but no exceedances for PVOC and PAH compounds.

Sub-slab Vapor Sampling Results

Sub-Slab Vapor Sample SS-1: Showed detects but no exceedances of the Small Commercial Sub-Slab Vapor Action Levels (VALs).

Sub-Slab Vapor Sample SS-2: Showed detects but no exceedances of the Small Commercial Sub-Slab VALs.

Sub-Slab Vapor Sample SS-3: Showed detects but no exceedances of the Small Commercial Sub-Slab VALs.

Groundwater Monitoring Results

Monitoring Well MW-1R: Currently shows NR140 Preventative Action Limit (PAL) exceedances for Naphthalene (46ppb), Trimethylbenzenes (444 ppb), and Xylene (565 ppb).

Monitoring Well MW-2: Currently shows no detects for PVOC and Naphthalene.

Monitoring Well MW-3: Currently shows no detects for PVOC and Naphthalene.

Monitoring Well MW-4: Currently shows no detects for PVOC and Naphthalene.

Monitoring Well MW-5: Currently shows no detects for PVOC and Naphthalene.

Well W9468 PW: Currently shows no detects for PVOC and Naphthalene.

Conclusions/Recommendations

Based on current sampling results, METCO recommends that the Maron Property site be reviewed for the possibility of "closure" for the following reasons: 1) The extent and degree of petroleum contamination in soil and groundwater has been adequately defined. 2) The majority of accessible soil contamination was removed during the excavation project. 3) Remaining soil contamination can be addressed via concrete cap and cap maintence plan. 4) Contaminant levels in groundwater have dropped significantly since the excavation project. 5) Based on Sub-Slab Vapor Sample results, vapor intrusion from beneath the building foundation appears unlikely. 6) Private well samples continue to show no laboratory detects.

There are three quarterly rounds of groundwater monitoring remaining of the approved workscope . However, if the State concurs that closure is a viable option at this time, the last three rounds will be canceled and METCO can be contacted to discuss closure activities.

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

A Site Layout Map, Soil Excavation/Cap Map, Groundwater Flow Map, Soil Contamination Map, Groundwater Contamination Map, Data Tables, Waste Disposal Documents, Well Abandonment Forms, Well Construction Forms, Well Development Forms, Soil Boring Logs, Sub-slab Sampling Field Notes and Photos, and Laboratory Documents have been attached.

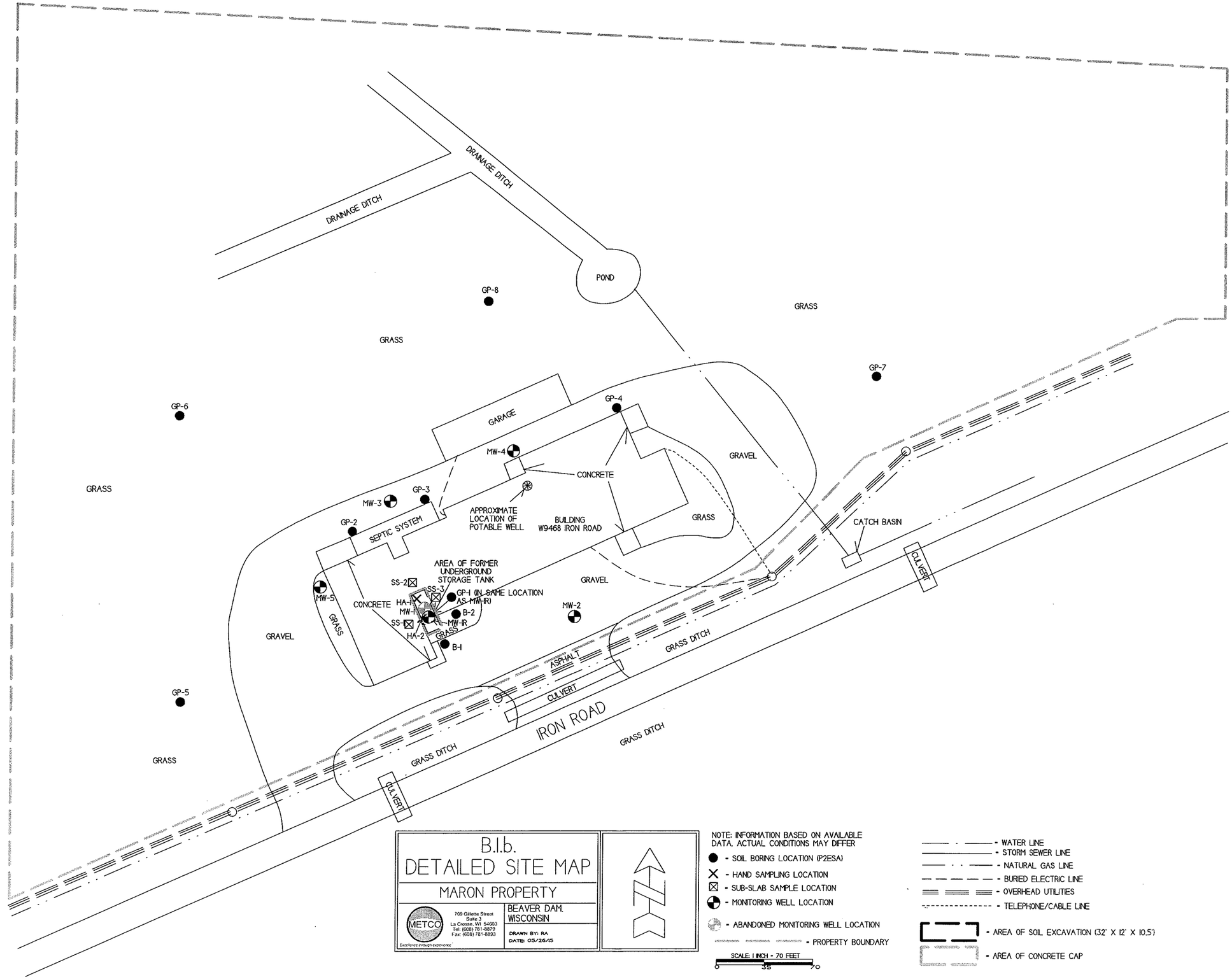
If you have any questions or comments please feel free to call (608-781-8879) or email at jasonp@metcohq.com.

Sincerely,

Jason T. Powell
Staff Scientist

Attachments

c: Karen Maron – Client



B.I.b.
DETAILED SITE MAP
MARON PROPERTY

METCO
709 Gillette Street
Suite 3
La Crosse, WI 54603
Tel: (608) 781-8879
Fax: (608) 781-8893
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BEAVER DAM, WISCONSIN

DRAWN BY: RA
DATE: 05/26/15

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

- ● - SOIL BORING LOCATION (P2ESA)
- X - HAND SAMPLING LOCATION
- ⊠ - SUB-SLAB SAMPLE LOCATION
- ◓ - MONITORING WELL LOCATION
- ◔ - ABANDONED MONITORING WELL LOCATION
- ---------- - PROPERTY BOUNDARY

SCALE: 1 INCH = 70 FEET
0 35 70

- ——·—— - WATER LINE
- ——— - STORM SEWER LINE
- ——··—— - NATURAL GAS LINE
- – – – – - BURIED ELECTRIC LINE
- ═══ - OVERHEAD UTILITIES
- ·-·-·-·-·- - TELEPHONE/CABLE LINE
- ⊏⊐ - AREA OF SOIL EXCAVATION (32' X 12' X 10.5')
- ⊏⊐ - AREA OF CONCRETE CAP

BUILDING
W9468 IRON ROAD

AREA OF EXCAVATION
TO 4 FEET BGS

AREA OF EXCAVATION
TO 7 FEET BGS

AREA OF EXCAVATION
TO 10 FEET BGS

EX-1

HA-1

GP-1 (IN SAME LOCATION
AS MW-IR)

EX-3

MW-1

B-2

EX-2

EX-1

MW-IR

HA-2

GRASS

EX-4

AREA OF FORMER
UNDERGROUND
STORAGE TANK

B-1

CONCRETE

EXCAVATION/CAP AREA

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METCO
709 Gillette Street
Suite 3
La Crosse, WI 54603
Tel: (608) 781-8879
Fax: (608) 781-8893
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BEAVER DAM,
WISCONSIN

DRAWN BY: RA
DATE: 05/26/15

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

SCALE:
1 INCH = 10 FEET
0 10

● = SOIL BORING LOCATION (P2ESA)

× = HAND SAMPLING LOCATION

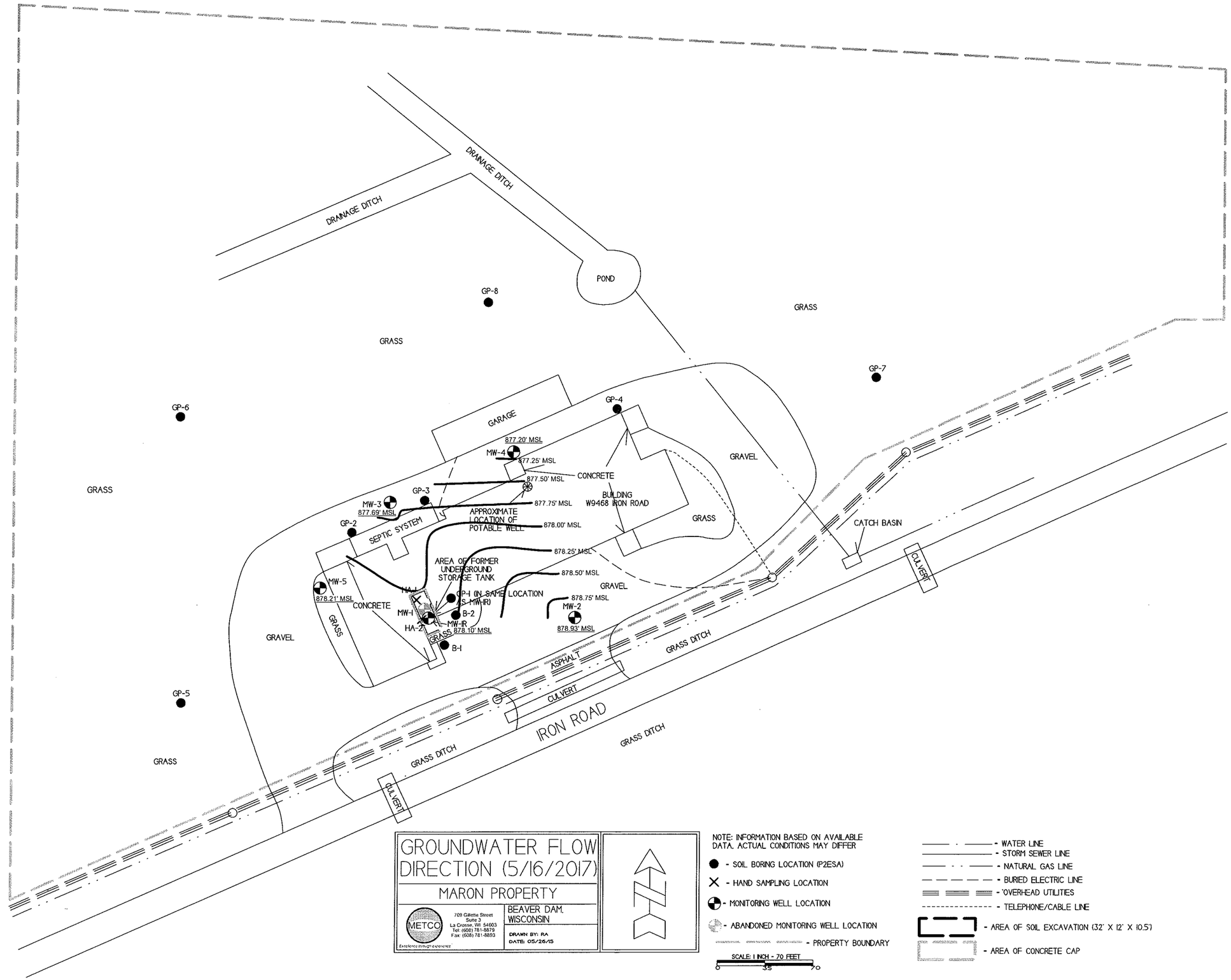
⊗ = EXCAVATION SAMPLE LOCATION

◒ = MONITORING WELL LOCATION

◒ = ABANDONED MONITORING WELL LOCATION

▭ = AREA OF SOIL EXCAVATION (32' X 12' X 10.5')

▭ = AREA OF CONCRETE CAP



GROUNDWATER FLOW DIRECTION (5/16/2017)

MARON PROPERTY

BEAVER DAM, WISCONSIN

METCO
709 Gillette Street
Suite 3
La Crosse, WI 54603
Tel: (608) 781-8879
Fax: (608) 781-8893
Environmental Strategic Excellence

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DATE: 05/26/15

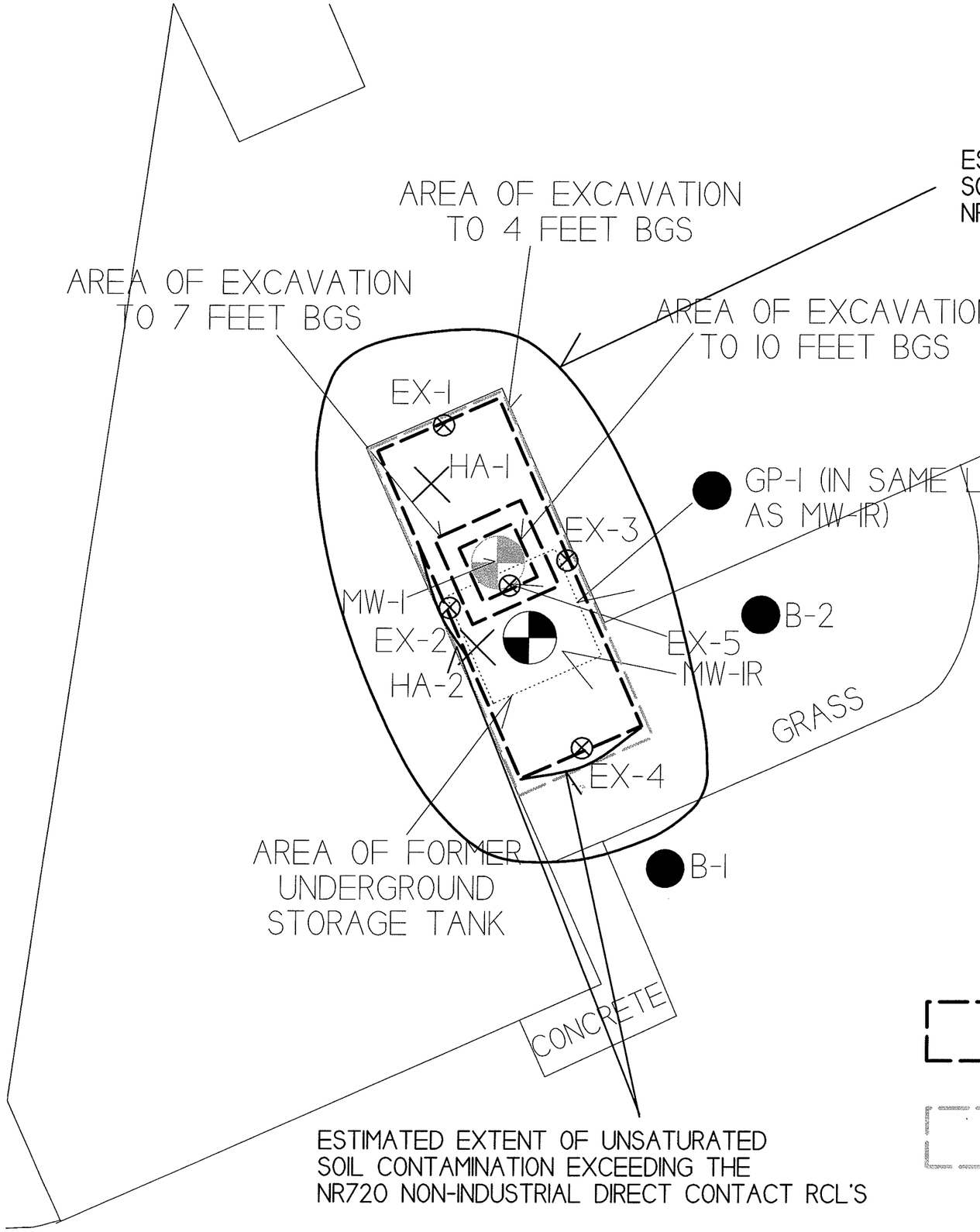
NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER

- SOIL BORING LOCATION (P2ESA)
- HAND SAMPLING LOCATION
- MONITORING WELL LOCATION
- ABANDONED MONITORING WELL LOCATION
- PROPERTY BOUNDARY

- WATER LINE
- STORM SEWER LINE
- NATURAL GAS LINE
- BURIED ELECTRIC LINE
- OVERHEAD UTILITIES
- TELEPHONE/CABLE LINE
- AREA OF SOIL EXCAVATION (32' X 12' X 10.5')
- AREA OF CONCRETE CAP

SCALE: 1 INCH = 70 FEET

0 35 70



SOIL CONTAMINATION

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METCO
709 Gillette Street
Suite 3
La Crosse, WI 54603
Tel: (608) 781-8879
Fax: (608) 781-8893
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BEAVER DAM,
WISCONSIN

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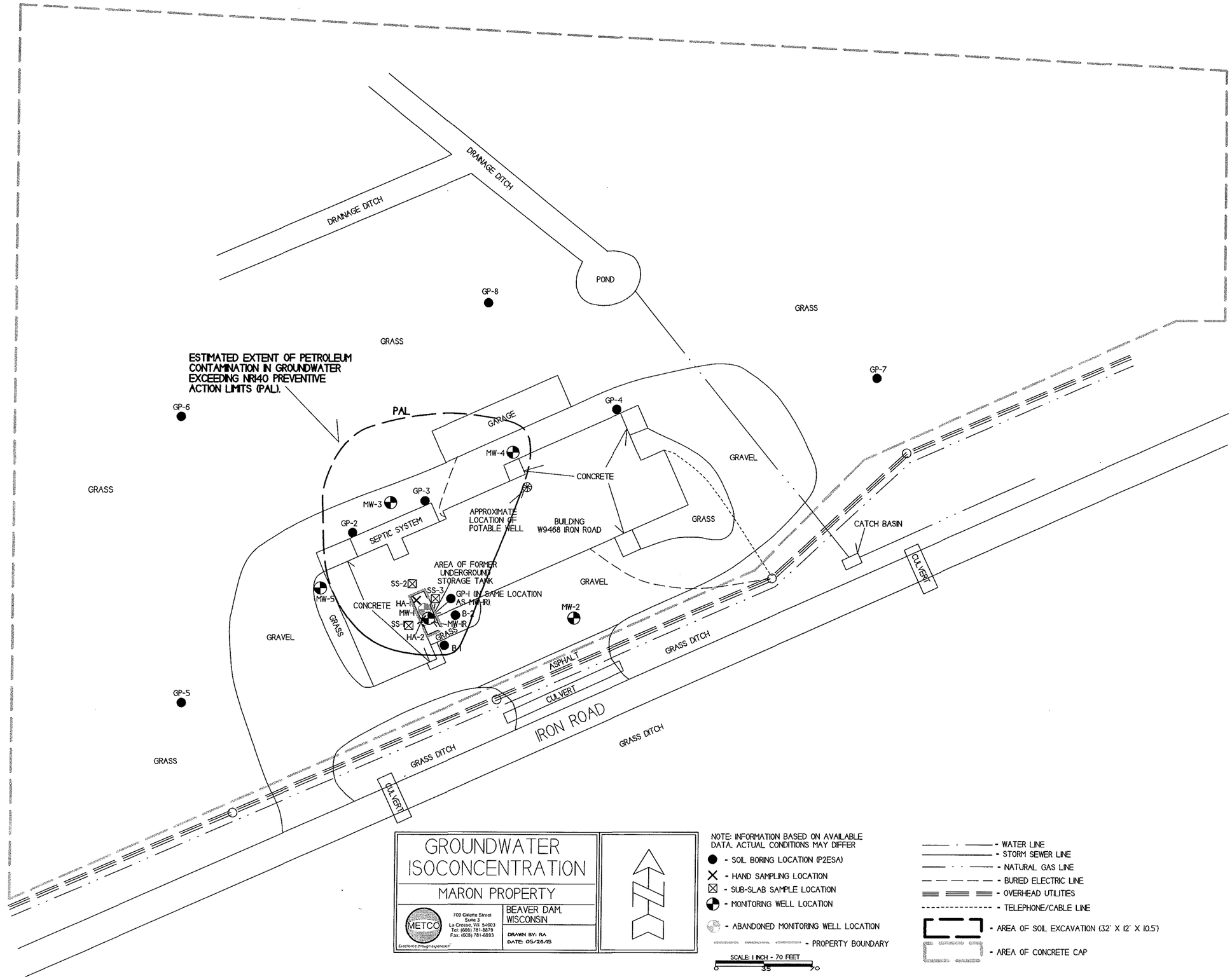
DATE: 05/26/15

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

SCALE:
1 INCH = 10 FEET
0 10

- = SOIL BORING LOCATION (P2ESA)
- = HAND SAMPLING LOCATION
- = EXCAVATION SAMPLE LOCATION
- = MONITORING WELL LOCATION
- = ABANDONED MONITORING WELL LOCATION
- = AREA OF SOIL EXCAVATION (32' X 12' X 10.5')
- = AREA OF CONCRETE CAP



GROUNDWATER ISOCONCENTRATION

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METCO
709 Gillette Street
Suite 3
La Crosse, WI 54603
Tel: (608) 781-8879
Fax: (608) 781-8893
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BEAVER DAM, WISCONSIN

DRAWN BY: RA
DATE: 05/26/15

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

- SOIL BORING LOCATION (P2ESA)
- HAND SAMPLING LOCATION
- SUB-SLAB SAMPLE LOCATION
- MONITORING WELL LOCATION
- ABANDONED MONITORING WELL LOCATION
- PROPERTY BOUNDARY

SCALE: 1 INCH = 70 FEET

0 35 70

- WATER LINE
- STORM SEWER LINE
- NATURAL GAS LINE
- BURIED ELECTRIC LINE
- OVERHEAD UTILITIES
- TELEPHONE/CABLE LINE
- AREA OF SOIL EXCAVATION (32' X 12' X 10.5')
- AREA OF CONCRETE CAP

A.1 Groundwater Analytical Table
Maron Property BRRTS #03-14-563925

Well MW-1/1R 05/16/17 881.46 MW-1R
PVC Elevation = 884.27 (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)
01/21/16	876.47	7.80	NS	<44	**1920**	<110	**550**	**830**	**4560**	**9990**
04/18/16	877.70	6.57	NS	<46	**1580**	<49	**490**	*760*	**4930**	**7360**
05/16/17	880.91	3.36	NS	<1.7	134	<8.2	*46*	20.3	*444*	*565*
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 = 881.44 (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)
01/21/16	877.60	3.84	NS	<0.44	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
04/18/16	878.69	2.75	NS	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
05/16/17	878.93	2.51	NS	<0.27	<0.56	<0.43	<1.7	<0.33	<1.14	<1.71
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 05/16/17 879.29
PVC Elevation = 879.52 (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)
01/21/16	876.09	3.43	NS	<0.44	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
04/18/16	877.28	2.24	NS	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
05/16/17	877.69	1.60	NS	<0.27	<0.56	<0.43	<1.7	<0.33	<1.14	<1.71
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
Maron Property BRRTS #03-14-563925

Well MW-4 05/16/17 878.89
PVC Elevation = 879.08 (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)
01/21/16	876.06	3.02	NS	<0.44	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
04/18/16	877.00	2.08	NS	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
05/16/17	877.20	1.69	NS	<0.27	<0.56	<0.43	<1.7	<0.33	<1.14	<1.71
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 = 880.61 (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)
05/16/17	878.21	2.40	NS	<0.27	<0.56	<0.43	<1.7	<0.33	<1.14	<1.71
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 W9468 PW

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)
01/21/16	NM	NM	NS	<0.43	<0.39	<1	<0.67	<0.45	<0.99	<1.40
04/18/16	NM	NM	NS	<0.46	<0.73	<0.49	<2.6	<0.39	<1.51	<2.06
05/16/17	NM	NM	NS	<0.27	<0.56	<0.43	<1.7	<0.33	<1.14	<1.71
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)
Maron Property BRRTS #03-14-563925

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)
01/21/16	<2	<2.1	<2	<1.9	<1.9	<1.9	<2.4	<1.8	<1.7	<2.5	<1.8	<1.7	<1.8	65	121	**380**	2.1	<1.8
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)
01/21/16	<0.02	<0.021	<0.02	<0.019	<0.019	<0.019	<0.024	<0.018	<0.017	<0.025	0.022	<0.017	<0.018	<0.018	<0.017	<0.018	<0.017	0.020
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)
01/21/16	<0.02	<0.021	<0.02	0.028	<0.019	<0.019	<0.024	<0.018	*0.022*	<0.025	0.029	<0.017	<0.018	0.021	0.025	0.024	0.021	0.027
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)
Maron Property BRRTS #03-14-563925

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)
01/21/16	<0.02	<0.021	0.042	0.126	*0.093*	*0.15*	0.095	0.084	*0.138*	0.043	0.14	<0.017	0.076	0.026	0.018	0.039	0.048	0.135
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 W9468 PW

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)
01/21/16	NOT SAMPLED																	
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
Maron Property BRRTS #03-14-563925

Well Sampling Conducted on:	01/21/16	01/21/16	01/21/16	01/21/16		
VOC's Well Name	MW-1	MW-2	MW-3	MW-4	ENFORCE MENT STANDARD = ES – Bold	*PREVENTIVE ACTION LIMIT = PAL - Italics*
Benzene/ppb	< 44	< 0.44	< 0.44	< 0.44	**5**	*0.5*
Bromobenzene/ppb	< 48	< 0.48	< 0.48	< 0.48	==	==
Bromodichloromethane/ppb	< 46	< 0.46	< 0.46	< 0.46	**0.6**	*0.06*
Bromoform/ppb	< 46	< 0.46	< 0.46	< 0.46	**4.4**	*0.44*
tert-Butylbenzene/ppb	< 110	< 1.1	< 1.1	< 1.1	==	==
sec-Butylbenzene/ppb	< 120	< 1.2	< 1.2	< 1.2	==	==
n-Butylbenzene/ppb	< 100	< 1	< 1	< 1	==	==
Carbon Tetrachloride/ppb	< 51	< 0.51	< 0.51	< 0.51	**5**	*0.5*
Chlorobenzene/ppb	< 46	< 0.46	< 0.46	< 0.46	==	==
Chloroethane/ppb	< 65	< 0.65	< 0.65	< 0.65	**400**	*80*
Chloroform/ppb	< 43	< 0.43	< 0.43	< 0.43	**6**	*0.6*
Chloromethane/ppb	< 190	< 1.9	< 1.9	< 1.9	**30**	*3*
2-Chlorotoluene/ppb	< 40	< 0.4	< 0.4	< 0.4	==	==
4-Chlorotoluene/ppb	< 63	< 0.63	< 0.63	< 0.63	==	==
1,2-Dibromo-3-chloropropane/ppl	< 140	< 1.4	< 1.4	< 1.4	**0.2**	*0.02*
Dibromochloromethane/ppb	< 45	< 0.45	< 0.45	< 0.45	**60**	*6*
1,4-Dichlorobenzene/ppb	< 49	< 0.49	< 0.49	< 0.49	**75**	*15*
1,3-Dichlorobenzene/ppb	< 52	< 0.52	< 0.52	< 0.52	**600**	*120*
1,2-Dichlorobenzene/ppb	< 46	< 0.46	< 0.46	< 0.46	**600**	*60*
Dichlorodifluoromethane/ppb	< 87	< 0.87	< 0.87	< 0.87	**1000**	*200*
1,2-Dichloroethane/ppb	< 48	< 0.48	< 0.48	< 0.48	**5**	*0.5*
1,1-Dichloroethane/ppb	< 110	< 1.1	< 1.1	< 1.1	**850**	*85*
1,1-Dichloroethene/ppb	< 65	< 0.65	< 0.65	< 0.65	**7**	*0.7*
cis-1,2-Dichloroethene/ppb	< 45	< 0.45	< 0.45	< 0.45	**70**	*7*
trans-1,2-Dichloroethene/ppb	< 54	< 0.54	< 0.54	< 0.54	**100**	*20*
1,2-Dichloropropane/ppb	< 43	< 0.43	< 0.43	< 0.43	**5**	*0.5*
2,2-Dichloropropane/ppb	< 310	< 3.1	< 3.1	< 3.1	==	==
1,3-Dichloropropane/ppb	< 42	< 0.42	< 0.42	< 0.42	==	==
Di-isopropyl ether/ppb	< 44	< 0.44	< 0.44	< 0.44	==	==
EDB (1,2-Dibromoethane)/ppb	< 63	< 0.63	< 0.63	< 0.63	**0.05**	*0.005*
Ethylbenzene/ppb	**1920**	< 0.71	< 0.71	< 0.71	**700**	*140*
Hexachlorobutadiene/ppb	< 220	< 2.2	< 2.2	< 2.2	==	==
Isopropylbenzene/ppb	130 "J"	< 0.82	< 0.82	< 0.82	==	==
p-Isopropyltoluene/ppb	< 110	< 1.1	< 1.1	< 1.1	==	==
Methylene chloride/ppb	< 130	< 1.3	< 1.3	< 1.3	**5**	*0.5*
Methyl tert-butyl ether (MTBE)/pp	< 110	< 1.1	< 1.1	< 1.1	**60**	*12*
Naphthalene/ppb	**550**	< 1.6	< 1.6	< 1.6	**100**	*10*
n-Propylbenzene/ppb	460	< 0.77	< 0.77	< 0.77	==	==
1,1,2,2-Tetrachloroethane/ppb	< 52	< 0.52	< 0.52	< 0.52	**0.2**	*0.02*
1,1,1,2-Tetrachloroethane/ppb	< 48	< 0.48	< 0.48	< 0.48	**70**	*7*
Tetrachloroethene (PCE)/ppb	< 49	< 0.49	< 0.49	< 0.49	**5**	*0.5*
Toluene/ppb	**830**	< 0.44	< 0.44	< 0.44	**800**	*160*
1,2,4-Trichlorobenzene/ppb	< 170	< 1.7	< 1.7	< 1.7	**70**	*14*
1,2,3-Trichlorobenzene/ppb	< 270	< 2.7	< 2.7	< 2.7	==	==
1,1,1-Trichloroethane/ppb	< 84	< 0.84	< 0.84	< 0.84	**200**	*40*
1,1,2-Trichloroethane/ppb	< 48	< 0.48	< 0.48	< 0.48	**5**	*0.5*
Trichloroethene (TCE)/ppb	< 47	< 0.47	< 0.47	< 0.47	**5**	*0.5*
Trichlorofluoromethane/ppb	< 87	< 0.87	< 0.87	< 0.87	==	==
1,2,4-Trimethylbenzene/ppb	**3500**	< 1.6	< 1.6	< 1.6		
1,3,5-Trimethylbenzene/ppb	**1060**	< 1.5	< 1.5	< 1.5	**Total TMB's 480**	*Total TMB's 96*
Vinyl Chloride/ppb	< 17	< 0.17	< 0.17	< 0.17	**0.2**	*0.02*
m&p-Xylene/ppb	**7600**	< 2.2	< 2.2	< 2.2		
o-Xylene/ppb	**2390**	< 0.9	< 0.9	< 0.9	**Total Xylenes 2000**	*Total Xylenes 400*

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

A.1 Groundwater Analytical Table
Maron Property BRRTS #03-14-563925

Well Sampling Conducted on:

Well Sampling Conducted on January 21, 2016

VOC's

Well Name	W9468 PW	ENFORCE MENT STANDARD = ES – Bold	*PREVENTIVE ACTION LIMIT = PAL - Italics*
Benzene/ppb	< 0.43	**5**	*0.5*
Bromobenzene/ppb	< 0.48	==	==
Bromodichloromethane/ppb	< 0.48	==	==
Bromoform/ppb	< 0.9	==	==
Bromomethane/ppb	< 2.6	==	==
Carbon Tetrachloride/ppb	< 0.51	==	==
Chlorobenzene/ppb	< 0.45	==	==
Chloroethane/ppb	< 0.46	==	==
Chloroform/ppb	< 0.44	==	==
Chloromethane/ppb	< 0.79	==	==
2-Chlorotoluene/ppb	< 0.39	==	==
4-Chlorotoluene/ppb	< 0.46	==	==
Dibromochloromethane/ppb	< 0.6	==	==
Dibromomethane/ppb	< 0.56	==	==
1,4-Dichlorobenzene/ppb	< 0.48	==	==
1,3-Dichlorobenzene/ppb	< 0.54	==	==
1,2-Dichlorobenzene/ppb	< 0.46	==	==
Dichlorodifluoromethane/ppb	< 0.91	==	==
1,2-Dichloroethane/ppb	< 0.48	**5**	*0.5*
1,1-Dichloroethane/ppb	< 0.98	**850**	*85*
1,1-Dichloroethene/ppb	< 0.52	==	==
cis-1,2-Dichloroethene/ppb	< 0.46	==	==
trans-1,2-Dichloroethene/ppb	< 0.49	**70**	*7*
1,2-Dichloropropane/ppb	< 0.5	==	==
2,2-Dichloropropane/ppb	< 2.1	==	==
1,3-Dichloropropane/ppb	< 0.42	==	==
trans-1,3-Dichloropropene/ppb	< 0.51	==	==
cis-1,3-Dichloropropene/ppb	< 0.44	==	==
1,1-Dichloropropene/ppb	< 0.58	==	==
Ethylbenzene/ppb	< 0.39	**700**	*140*
Hexachlorobutadiene/ppb	< 0.92	==	==
Isopropylbenzene/ppb	< 0.44	==	==
p-Isopropyltoluene/ppb	< 0.49	==	==
Methylene chloride/ppb	< 0.45	==	==
Methyl tert-butyl ether (MTBE)/ppb	< 1	**60**	*12*
Naphthalene/ppb	< 0.67	**100**	*10*
Styrene/ppb	< 0.4	==	==
1,1,2,2-Tetrachloroethane/ppb	< 0.53	==	==
1,1,1,2-Tetrachloroethane/ppb	< 0.52	==	==
Tetrachloroethene(PCE)/ppb	< 0.49	**5**	*0.5*
Toluene/ppb	< 0.45	**800**	*160*
1,2,4-Trichlorobenzene/ppb	< 0.55	==	==
1,1,1-Trichloroethane/ppb	< 0.35	==	==
1,1,2-Trichloroethane/ppb	< 0.55	==	==
Trichloroethene (TCE)/ppb	< 0.48	**5**	*0.5*
Trichlorofluoromethane/ppb	< 0.91	==	==
1,2,3-Trichloropropane/ppb	< 0.99	==	==
Trichlorotrifluoroethane/ppb	< 0.86		
1,2,4-Trimethylbenzene/ppb	< 0.52		
1,3,5-Trimethylbenzene/ppb	< 0.47	**Total TMB's 480**	*Total TMB's 96*
Vinyl Chloride/ppb	< 0.2	==	==
m&p-Xylene/ppb	< 0.85		
o-Xylene/ppb	< 0.55	**Total Xylenes 2000**	*Total Xylenes 400*

Note: Bold type indicates an ES exceedance, *italics* indicates a PAL exceedance. NS = not sampled, NM = Not Measured
Q = Analyte detected above laboratory method detection limit but below practical quantitation limit.
= = No Exceedences
"J" Flag: Analyte detected between LOD and LOQ LOD Limit of Detection LOQ Limit of Quantitation

A.2. Soil Analytical Results Table
Maron Property BRRTS #03-14-563925

																	DIRECT CONTACT PVOC & PAH COMBINED		
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)	Exeedance Count	Hazard Index	Cumulative Cancer Risk
GP-1	0-4	U	05/07/15	NM	NS	NS	NS	<0.32	42	<0.5	11.2	16.5	147	50	246	SEE VOC SPREAD SHEET	2	9.19E-01	7.3E-06
GP-1	4-8	S	05/07/15	NM	NOT SAMPLED											NS			
GP-1	8-10	S	05/07/15	NM	NOT SAMPLED											NS			
GP-2	0-4	U	05/07/15	NM	NS	NS	NS	<0.016	<0.027	<0.025	<0.087	<0.031	<0.078	<0.089	<0.029	SEE VOC SPREAD SHEET			
GP-2	4-8	S	05/07/15	NM	NOT SAMPLED											NS			
GP-2	8-10	S	05/07/15	NM	NOT SAMPLED											NS			
GP-3	0-4	U	05/07/15	NM	NS	NS	NS	<0.016	<0.027	<0.025	<0.087	<0.031	<0.078	<0.089	<0.029	SEE VOC SPREAD SHEET			
GP-3	4-8	S	05/07/15	NM	NOT SAMPLED											NS			
GP-3	8-10	S	05/07/15	NM	NOT SAMPLED											NS			
GP-4	0-4	U	05/07/15	NM	NS	NS	NS	<0.016	<0.027	<0.025	<0.087	<0.031	<0.078	<0.089	<0.029	SEE VOC SPREAD SHEET			
GP-4	4-8	S	05/07/15	NM	NOT SAMPLED											NS			
GP-4	8-10	S	05/07/15	NM	NOT SAMPLED											NS			
GP-5	0-4	U	05/07/15	NM	NS	NS	NS	<0.016	<0.027	<0.025	<0.087	<0.031	<0.078	<0.089	<0.029	SEE VOC SPREAD SHEET			
GP-5	4-8	S	05/07/15	NM	NOT SAMPLED											NS			
GP-6	0-4	U	05/07/15	NM	NS	NS	NS	<0.016	<0.027	<0.025	<0.087	<0.031	<0.078	<0.089	<0.029	SEE VOC SPREAD SHEET			
GP-6	4-8	S	05/07/15	NM	NOT SAMPLED											NS			
GP-6	8-10	S	05/07/15	NM	NOT SAMPLED											NS			
GP-7	0-4	U	05/07/15	NM	NS	NS	NS	<0.016	<0.027	<0.025	<0.087	<0.031	<0.078	<0.089	<0.029	SEE VOC SPREAD SHEET			
GP-7	4-8	S	05/07/15	NM	NOT SAMPLED											NS			
GP-7	8-12	S	05/07/15	NM	NOT SAMPLED											NS			
GP-8	0-4	U	05/07/15	NM	NS	NS	NS	<0.016	<0.027	<0.025	<0.087	<0.031	<0.078	<0.089	<0.029	SEE VOC SPREAD SHEET			
GP-8	4-8	S	05/07/15	NM	NOT SAMPLED											NS			
GP-8	8-10	S	05/07/15	NM	NOT SAMPLED											NS			
MW-1-1	3.0	U	11/30/15	450	NS	NS	NS	7.6	123	<0.5	14.3	52	350*	121	658*	NS	6	2.36E+00	2.6E-05
MW-1-2	6.0	S	11/30/15	500	NS	NS	NS	<0.8	125	<1.25	30.3	50	380*	125	651*	SEE VOC SPREADSHEET			
MW-1-3	10.5	S	11/30/15	200	NS	NS	NS	3.4	49	<0.25	12.6	16.6	155	54	263*	NS			
MW-2-1	3.5	U	11/30/15	0	NOT SAMPLED											NS			
MW-2-2	6.5	S	11/30/15	0	NOT SAMPLED											NS			
MW-3-1	3.5	U	11/30/15	0	NOT SAMPLED											NS			
MW-3-2	8.0	S	11/30/15	0	NOT SAMPLED											NS			
MW-3-3	10.5	S	11/30/15	0	NOT SAMPLED											NS			
MW-4-1	3.5	U	11/30/15	0	NOT SAMPLED											NS			
MW-4-2	8.0	S	11/30/15	0	NOT SAMPLED											NS			
MW-4-3	11.0	S	11/30/15	0	NOT SAMPLED											NS			
HA-1	3.0	U	11/30/15	0	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	5	1.17E-01	2.6E-05
B-1-1	3.0	U	12/01/15	0	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
B-1-2	6.0	S	12/01/15	30	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
B-1-3	10.5	S	12/01/15	20	NS	NS	NS	0.0295	0.0169	<0.025	0.179	0.081	0.92	0.33	1.058	NS			
B-2-1	3.0	U	12/01/15	0	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
B-2-2	6.0	S	12/01/15	0	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
B-2-3	10.5	S	12/01/15	0	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
HA-2			03/27/17	NM	NS	886.0	NS	NOT SAMPLED								NS			
EX-1	3.0	U	04/25/17	NM	NS	NS	NS	<0.025	<0.025	<0.025	<0.0153	<0.025	<0.025	<0.025	<0.075	NS			
EX-2	3.0	U	04/25/17	NM	NS	NS	NS	<0.025	<0.025	<0.025	<0.0153	<0.025	<0.025	<0.025	<0.075	NS	1	8.70E-03	1.9E-06
EX-3	3.0	U	04/25/17	NM	NS	NS	NS	0.036	<0.025	<0.025	0.059	0.136	0.124	0.087	0.279	NS	0	1.80E-03	7.9E-08
EX-4	3.0	U	04/25/17	NM	NS	NS	NS	<0.025	<0.025	<0.025	<0.0153	<0.025	<0.025	<0.025	<0.075	NS	1	1.83E-02	4.00E-06
EX-5	10.0	S	04/25/17	NM	NS	NS	NS	<0.025	<0.025	<0.025	<0.0153	<0.025	<0.025	<0.025	<0.075	NS			
MW-1R-1	2.5	U	05/04/17	2	NOT SAMPLED											NS			
MW-1R-2	6.0	U	05/04/17	2	NOT SAMPLED											NS			
MW-1R-3	11.0	S	05/04/17	192	NOT SAMPLED											NS			
MW-5-1	2.5	U	05/04/17	10	NOT SAMPLED											NS			
MW-5-2	6.0	S	05/04/17	5	NOT SAMPLED											NS			
MW-5-3	11.0	S	05/04/17	3	NOT SAMPLED											NS			
Groundwater RCL					27	-	-	0.00512	1.57	0.027	0.6582	1.11	1.38		3.96	-			
Non-Industrial Direct Contact RCL					400	-	-	1.6	8.02	63.8	5.52	818	219	182	260	-		1.00E+00	1.00E-05
Industrial Direct Contact RCL					(800)	-	-	(7.07)	(35.4)	(282)	(24.1)	(818)	(219)	(182)	(258)	-		1.00E+00	1.00E-05
Soil Saturation Concentration (C-sat)*					-	-	-	1820*	480*	8870*	-	818*	219*	182*	258*	-			

Bold = Groundwater RCL Exceedance
Bold & Underline = Non Industrial Direct Contact RCL Exceedance
(Bold & Parentheses) = Industrial Direct Contact RCL Exceedance
Bold & Asteric * = C-sat Exceedance
Italics = Industrial Direct Contact RCL
NS = Not Sampled
NM = Not Measured
(ppm) = parts per million
ND = No Detects
DRO = Diesel Range Organics
GRO = Gasoline Range Organics
PID = Photoionization Detector
PVOC's = Petroleum Volatile Organic Compounds
VOC's = Volatile Organic Compounds
Note: Non-Industrial RCLs apply to this site.

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)
Maron Property BRRTS #03-14-563925

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)	DIRECT CONTACT PVOC & PAH COMBINED: Exeedance Count	Hazard Index	Cumulative Cancer Risk
MW-1-1	3.0	U	11/30/15	<0.1005	<0.099	0.118	0.38	**0.195**	**0.65**	0.185	0.36	**0.49**	<0.075	0.87	0.136	0.162	6.3	13.6	**14.3**	0.82	0.76	**6**	2.36E+00	2.6E-05
HA-1	3.0	U	11/30/15	0.158	0.201	0.84	**2.27**	**2.0**	**3.04**	1.37	1.07	**2.04**	**0.309**	3.9	0.281	**1.17**	0.107	0.080	0.086	2.93	3.4	**5**	1.17E-01	2.6E-05
B-1-1	3.0	U	12/01/15	<0.0201	<0.0198	<0.0171	<0.0191	<0.0143	<0.019	<0.02	<0.0174	<0.0192	<0.015	<0.0192	<0.0184	<0.0165	<0.0205	<0.0199	<0.0203	<0.0198	<0.0192			
B-2-1	3.0	U	12/01/15	<0.0201	<0.0198	<0.0171	<0.0191	<0.0143	<0.019	<0.02	<0.0174	<0.0192	<0.015	<0.0192	<0.0184	<0.0165	<0.0205	<0.0199	<0.0203	<0.0198	<0.0192			
EX-1	3.0	U	04/25/17	<0.0151	<0.0159	<0.0109	<0.0116	<0.0113	<0.013	<0.0114	<0.0147	<0.0121	<0.0078	<0.0147	<0.0179	<0.0114	<0.0203	<0.0113	<0.0153	<0.0111	<0.0153			
EX-2	3.0	U	04/25/17	<0.0151	<0.0159	0.0276	0.129	**0.15**	0.253	0.089	0.085	**0.176**	0.0209	0.261	<0.0179	0.09	<0.0203	<0.0113	<0.0153	0.086	0.225	**1**	8.70E-03	1.9E-06
EX-3	3.0	U	04/25/17	<0.0151	<0.0159	<0.0109	0.0129	<0.0113	0.0251	0.0176	<0.0147	<0.0121	<0.0078	<0.0147	<0.0179	0.0114	0.043	0.074	0.059	<0.0111	<0.0153	0	1.80E-03	7.9E-08
EX-4	3.0	U	04/25/17	<0.0151	0.05	0.094	0.248	**0.314**	0.47	0.217	0.15	**0.33**	0.048	0.57	0.036	0.205	<0.0203	0.0168	<0.0153	0.31	0.51	**1**	1.83E-02	4.00E-06
EX-5	10.0	S	04/25/17	<0.0151	<0.0159	<0.0109	0.043	0.062	0.124	0.045	0.045	0.062	0.0108	0.054	<0.0179	0.045	<0.0203	<0.0113	<0.0153	<0.0111	0.107			
Groundwater RCL				---	---	**197**	---	**0.47**	**0.4793**	---	---	**0.145**	---	**88.8**	**14.8**	---	---	---	**0.6582**	---	**54.5**			
Non-Industrial Direct Contact RCL				**3590**	---	**17900**	**1.140**	**0.1150**	**1.150**	---	**11.50**	**115**	**0.1150**	**2390**	**2390**	**1.150**	**17.6**	**239**	**5.52**	---	**1790**		**1.00E+00**	**1.00E-05**
Industrial Direct Contact RCL				**(45200)**	---	**(100000)**	**(20.8)**	**(2.11)**	**(21.1)**	---	**(211)**	**(2110)**	**(2.11)**	**(30100)**	**(30100)**	**(21.1)**	**(72.7)**	**(3010)**	**(24.1)**	---	**(22600)**			
Soil Saturation Concentration (C-sat)*				---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---			

Bold = Groundwater RCL Exceedance
Bold & Underline = Non Industrial Direct Contact RCL Exceedance
(Bold & Parentheses) = Industrial Direct Contact RCL Exceedance
Bold &Asteric * = C-sat Exceedance
Italics = Industrial Direct Contact RCL
NS = Not Sampled
NM = Not Measured
(ppm) = parts per million
ND = No Detects
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.2. Soil Analytical Results Table
Maron Property BRRTS #03-14-563925

Sampling Conducted on:	05/07/15	05/07/15	05/07/15	05/07/15	05/07/15	05/07/15	05/07/15	05/07/15	11/30/15				
VOC's										**Bold = Groundwater RCL**	**Underline & Bold = Non-Industrial Direct Contact RCL**	**(Parenthesis & Bold) = Industrial Direct Contact RCL**	**Asteric * & Bold =Soil Saturation (C-sat) RCL**
Sample ID#	**GP-1-S**	**GP-2-S**	**GP-3-S**	**GP-4-S**	**GP-5-S**	**GP-6-2**	**GP-7-S**	**GP-8-S**	**MW-1-2**				
Sample Depth/ft.	**0-4**	**0-4**	**0-4**	**0-4**	**0-4**	**0-4**	**0-4**	**0-4**	6				
Solids Percent	87.1	87.7	84.3	79.6	88.2	81.4	84.1	80.3	88.9				
Benzene/ppm	< 0.32	< 0.016	< 0.016	< 0.016	< 0.016	< 0.016	< 0.016	< 0.016	< 0.8	**0.00512**	**1.6**	**(7.07)**	**1820***
Bromobenzene/ppm	< 0.78	< 0.039	< 0.039	< 0.039	< 0.039	< 0.039	< 0.039	< 0.039	< 1.95	**= =**	**342**	**(679)**	**= =**
Bromodichloromethane/ppm	< 0.3	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.75	**0.000326**	**0.418**	**(1.83)**	**= =**
Bromoform/ppm	< 0.46	< 0.023	< 0.023	< 0.023	< 0.023	< 0.023	< 0.023	< 0.023	< 1.15	**0.00233**	**25.4**	**(113)**	**= =**
tert-Butylbenzene/ppm	< 0.7	< 0.035	< 0.035	< 0.035	< 0.035	< 0.035	< 0.035	< 0.035	< 1.75	**= =**	**183**	**(183)**	**183***
sec-Butylbenzene/ppm	1.86 "J"	< 0.036	< 0.036	< 0.036	< 0.036	< 0.036	< 0.036	< 0.036	4.6 "J"	**= =**	**145**	**(145)**	**145***
n-Butylbenzene/ppm	8.3	< 0.086	< 0.086	< 0.086	< 0.086	< 0.086	< 0.086	< 0.086	25.9	**= =**	**108**	**(108)**	**108***
Carbon Tetrachloride/ppm	< 0.42	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021	< 1.05	**0.00388**	**0.916**	**(4.03)**	**= =**
Chlorobenzene/ppm	< 0.78	< 0.039	< 0.039	< 0.039	< 0.039	< 0.039	< 0.039	< 0.039	< 1.95	**= =**	**370**	**(761)**	**761***
Chloroethane/ppm	< 0.9	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045	< 0.045	< 2.25	**0.227**	**= =**	**= =**	**= =**
Chloroform/ppm	< 0.52	< 0.026	< 0.026	< 0.026	< 0.026	< 0.026	< 0.026	< 0.026	< 1.3	**0.0033**	**0.454**	**(1.98)**	**= =**
Chloromethane/ppm	< 5	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 12.5	**0.0155**	**159**	**(669)**	**= =**
2-Chlorotoluene/ppm	< 0.58	< 0.029	< 0.029	< 0.029	< 0.029	< 0.029	< 0.029	< 0.029	< 1.45	**= =**	**= =**	**= =**	**= =**
4-Chlorotoluene/ppm	< 0.64	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 1.6	**= =**	**= =**	**= =**	**= =**
1,2-Dibromo-3-chloropropane/ppm	< 1.56	< 0.078	< 0.078	< 0.078	< 0.078	< 0.078	< 0.078	< 0.078	< 3.9	**0.000173**	**0.008**	**(0.092)**	**= =**
Dibromochloromethane/ppm	< 0.62	< 0.031	< 0.031	< 0.031	< 0.031	< 0.031	< 0.031	< 0.031	< 1.55	**0.032**	**8.28**	**(38.9)**	**= =**
1,4-Dichlorobenzene/ppm	< 0.6	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 1.5	**0.144**	**3.74**	**(16.4)**	**= =**
1,3-Dichlorobenzene/ppm	< 0.6	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 1.5	**1.1528**	**297**	**(193)**	**297***
1,2-Dichlorobenzene/ppm	< 0.78	< 0.039	< 0.039	< 0.039	< 0.039	< 0.039	< 0.039	< 0.039	< 1.95	**1.168**	**376**	**(376)**	**376***
Dichlorodifluoromethane/ppm	< 0.86	< 0.043	< 0.043	< 0.043	< 0.043	< 0.043	< 0.043	< 0.043	< 2.15	**3.0863**	**126**	**(530)**	**= =**
1,2-Dichloroethane/ppm	< 0.6	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 1.5	**0.00284**	**0.652**	**(2.87)**	**540***
1,1-Dichloroethane/ppm	< 0.5	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 1.25	**0.4834**	**5.06**	**(22.2)**	**= =**
1,1-Dichloroethene/ppm	< 0.58	< 0.029	< 0.029	< 0.029	< 0.029	< 0.029	< 0.029	< 0.029	< 1.45	**0.00502**	**320**	**(1190)**	**1190***
cis-1,2-Dichloroethene/ppm	< 0.42	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021	< 1.05	**0.0412**	**156**	**(2340)**	**= =**
trans-1,2-Dichloroethene/ppm	< 0.48	< 0.024	< 0.024	< 0.024	< 0.024	< 0.024	< 0.024	< 0.024	< 1.2	**0.626**	**1560**	**(1850)**	**= =**
1,2-Dichloropropane/ppm	< 0.5	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 1.25	**0.00332**	**0.406**	**(1.78)**	**= =**
2,2-Dichloropropane/ppm	< 2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 5	**= =**	**527**	**(527)**	**527***
1,3-Dichloropropane/ppm	< 0.62	< 0.031	< 0.031	< 0.031	< 0.031	< 0.031	< 0.031	< 0.031	< 1.55	**= =**	**1490**	**(1490)**	**1490***
Di-isopropyl ether/ppm	< 0.24	< 0.012	< 0.012	< 0.012	< 0.012	< 0.012	< 0.012	< 0.012	< 0.6	**= =**	**2260**	**(2260)**	**2260***
EDB (1,2-Dibromoethane)/ppm	< 0.7	< 0.035	< 0.035	< 0.035	< 0.035	< 0.035	< 0.035	< 0.035	< 1.75	**0.0000282**	**0.05**	**(0.221)**	**= =**
Ethylbenzene/ppm	**42**	< 0.027	< 0.027	< 0.027	< 0.027	< 0.027	< 0.027	< 0.027	**125**	**1.57**	**8.02**	**(35.4)**	**480***
Hexachlorobutadiene/ppm	< 2.2	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 5.5	**= =**	**1.63**	**(7.19)**	**= =**
Isopropylbenzene/ppm	5.4	< 0.037	< 0.037	< 0.037	< 0.037	< 0.037	< 0.037	< 0.037	12.7	**= =**	**= =**	**= =**	**= =**
p-Isopropyltoluene/ppm	< 1.12	< 0.056	< 0.056	< 0.056	< 0.056	< 0.056	< 0.056	< 0.056	< 2.8	**= =**	**162**	**(162)**	**162***
Methylene chloride/ppm	< 4.4	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 11	**0.00256**	**61.8**	**(1150)**	**= =**
Methyl tert-butyl ether (MTBE)/ppm	< 0.5	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 1.25	**0.027**	**63.8**	**(282)**	**8870***
Naphthalene/ppm	**11.2**	< 0.087	< 0.087	< 0.087	< 0.087	< 0.087	< 0.087	< 0.087	**30.3**	**0.6582**	**5.52**	**(24.1)**	**= =**
n-Propylbenzene/ppm	24.4	< 0.035	< 0.035	< 0.035	< 0.035	< 0.035	< 0.035	< 0.035	66	**= =**	**= =**	**= =**	**= =**
1,1,2,2-Tetrachloroethane/ppm	< 0.26	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.65	**0.000156**	**0.81**	**(3.6)**	**= =**
1,1,1,2-Tetrachloroethane/ppm	< 0.58	< 0.029	< 0.029	< 0.029	< 0.029	< 0.029	< 0.029	< 0.029	< 1.45	**0.0534**	**2.78**	**(12.3)**	**= =**
Tetrachloroethene (PCE)/ppm	< 1.08	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 2.7	**0.00454**	**33**	**(145)**	**= =**
Toluene/ppm	**16.5**	< 0.031	< 0.031	< 0.031	< 0.031	< 0.031	< 0.031	< 0.031	**50**	**1.11**	**818**	**(818)**	**818***
1,2,4-Trichlorobenzene/ppm	< 1.7	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 0.085	< 4.25	**0.408**	**24**	**(113)**	**= =**
1,2,3-Trichlorobenzene/ppm	< 2.4	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 6	**= =**	**62.6**	**(934)**	**= =**
1,1,1-Trichloroethane/ppm	< 0.8	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 2	**0.1402**	**= =**	**= =**	**= =**
1,1,2-Trichloroethane/ppm	< 0.66	< 0.033	< 0.033	< 0.033	< 0.033	< 0.033	< 0.033	< 0.033	< 1.65	**0.00324**	**1.59**	**(7.01)**	**= =**
Trichloroethene (TCE)/ppm	< 0.84	< 0.042	< 0.042	< 0.042	< 0.042	< 0.042	< 0.042	< 0.042	< 2.1	**0.00358**	**1.3**	**(8.41)**	**= =**
Trichlorofluoromethane/ppm	< 1.2	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 3	**2.2387**	**1230**	**(1230)**	**1230***
1,2,4-Trimethylbenzene/ppm	**147**	< 0.078	< 0.078	< 0.078	< 0.078	< 0.078	< 0.078	< 0.078	**380***	**1.38**	**219**	**(219)**	**219***
1,3,5-Trimethylbenzene/ppm	**50**	< 0.089	< 0.089	< 0.089	< 0.089	< 0.089	< 0.089	< 0.089	**125**		**182**	**(182)**	**182***
Vinyl Chloride/ppm	< 0.2	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.5	**0.000138**	**0.07**	**(2.08)**	**= =**
m&p-Xylene/ppm	**183**	< 0.07	< 0.07	< 0.07	< 0.07	< 0.07	< 0.07	< 0.07	**480***	**3.96**	**260**	**(260)**	**258***
o-Xylene/ppm	**63**	< 0.029	< 0.029	< 0.029	< 0.029	< 0.029	< 0.029	< 0.029	**171***				

NS = not sampled, NM = Not Measured
(ppm) = parts per million
DRO = Diesel Range Organics
GRO = Gasoline Range Organics
= = No Exceedences
"J" Flag: Analyte detected between LOD and LOQ LOD Limit of Detection LOQ Limit of Quantitation

A.4 Vapor Analytical Table
Sub-Slab Sampling Data Table for Maron Property
BY METCO

Sub-Slab Sampling conducted on May 16, 2017

Sample ID	SS-1	SS-2	SS-3	WDNR Small Commercial Sub-Slab Vapor Action Levels for Various VOCs Quick Look-Up Table Updated June, 2017 (ug/m³)	
Benzene – ug/m³	3.8	4.4	2.8	530	c
Carbon Tetrachloride – ug/m³	NS	NS	NS	670	c
Chloroform – ug/m³	NS	NS	NS	180	c
Chloromethane – ug/m³	NS	NS	NS	13000	n
Dichlorodifluoromethane – ug/m³	NS	NS	NS	15000	n
1,1-Dichloroethane (1,1-DCA) – ug/m³	NS	NS	NS	2600	c
1,2-Dichloroethane (1,2-DCA) - ug/m³	NS	NS	NS	160	c
1,1-Dichloroethylene (1,1-DCE) – ug/m³	NS	NS	NS	29000	n
1,2-Dichloroethylene (cis and trans) - ug/m³	NS	NS	NS	NA	n
Ethylbenzene – ug/m³	74	3.4	7.9	1600	c
Methylene chloride – ug/m³	NS	NS	NS	87000	n
Methyl Tert-Butyl Ether (MTBE) – ug/m³	<0.16	<0.079	<0.079	16000	c
Naphthalene – ug/m³	0.67	1.0J	1.4J	120	c
Tetrachloroethylene -ug/m³	NS	NS	NS	6000	n
Toluene – ug/m³	13	14	11	730000	n
1,1,1-Trichloroethane – ug/m³	NS	NS	NS	730000	n
Trichloroethylene – ug/m³	NS	NS	NS	290	n
Trichlorofluoromethane (Halcarbon 11) – ug/m³	NS	NS	NS	NA	n
Trimethylbenzene (1,2,4) – ug/m³	2.6	2.1	6.5	8700	n
Trimethlybenzene (1,3,5) – ug/m³	0.72	0.64J	1.8	8700	n
Vinyl chloride – ug/m³	NS	NS	NS	930	c
Xylene (total) -ug/m³	320	10	26	15000	n

ug/m³ = Micrograms per cubic meter.
< = Less than the reporting limit indicated in parentheses.
Bold = Sub-Slab Standard Exceedance
c = Carcinogen
n = Non-Carcinogen
J = between Limit of Detection (LOD) and Limit of Quantitaion (LOQ)
*** Please note that other VOCs were detected that are not on the WDNR Sub-Slab Vapor Action Levels Quick Look-Up Table.**
B = Compound was found in th blank and sample
E = Result exceeded calibration range
NS = Not Sampled

A.6 Water Level Elevations
Maron Property BRRTS #03-14-563925
Beaver Dam, Wisconsin

	MW-1	MW-1R	MW-2	MW-3	MW-4	MW-5
Ground Surface (feet msl)	882.00		881.77	880.02	879.64	880.93
PVC top (feet msl)	884.27	NI	881.44	879.52	879.08	NI
Re-surveyed 5-16-17 PVC top (feet msl)		881.46		879.29	878.89	880.61
Well Depth (feet)	13.00	13.00	14.00	13.00	13.00	13.00
Top of screen (feet msl)	879.00		877.77	877.02	876.64	877.93
Bottom of screen (feet msl)	869.00		867.77	867.02	866.64	867.93
Depth to Water From Top of PVC (feet)						
01/21/16	7.80	NI	3.84	3.43	3.02	NI
04/18/16	6.57	NI	2.75	2.24	2.08	NI
05/16/17	A	3.36	2.51	1.60	1.69	2.40
Depth to Water From Ground Surface (feet)						
01/21/16	5.53	NI	4.17	3.93	3.58	NI
04/18/16	4.30	NI	3.08	2.74	2.64	NI
05/16/17	A	NM	2.84	2.33	2.44	2.72
Groundwater Elevation (feet msl)						
01/21/16	876.47	NI	877.60	876.09	876.06	NI
04/18/16	877.70	NI	878.69	877.28	877.00	NI
05/16/17	A	878.10	878.93	877.69	877.20	878.21

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

A.7 Other
Groundwater NA Indicator Results
Maron Property BRRTS #03-14-563925

Well MW-1/1R

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Man-ganese (ppb)
01/21/16	2.26	7.13	155	6.7	769	<0.13	18.9	0.60	*70.0*
04/18/16	2.57	7.24	128	10.0	510	NS	NS	NS	NS
05/16/17	2.37	7.03	101	12.9	847	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)
01/21/16	2.23	7.04	224	6.1	1351	0.434	158	0.04	*79.6*
04/18/16	2.81	7.03	109	10.3	814	NS	NS	NS	NS
05/16/17	6.32	6.87	293	13.1	1516	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)
01/21/16	2.88	7.05	224	5.4	883	1.19	30.8	0.03	32.5
04/18/16	3.56	6.97	203	10.0	618	NS	NS	NS	NS
05/16/17	3.17	7.12	216	13.6	1819	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)
01/21/16	5.11	7.52	227	3.2	486	0.318	31.2	0.07	29.3
04/18/16	3.07	7.11	211	10.1	305	NS	NS	NS	NS
05/16/17	2.99	6.93	268	13.2	510	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
Maron Property BRRTS #03-14-563925

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)
05/16/17	4.69	6.52	257	13.3	1073	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).

Invoice

DKS CONSTRUCTON SERVICES, INC
2520 WILSON STREET
MENOMONIE, WI 54751

Date	Invoice #
5/15/2017	2702

Bill To

METCO
PO BOX 448
HILLSBORO, WI 54634

P.O. No.	Terms	Project
Maron Property	Net 30	

Quantity	Description	Rate	Amount
1	Mobilization	3,000.00	3,000.00
101.44	Excavation	20.00	2,028.80
101.44	Haul	14.00	1,420.16
101.44	Disposal	34.00	3,448.96
79.44	Fill	14.00	1,112.16
22	Rock	18.00	396.00
101.44	Backfill/Compact	9.00	912.96
1	Install Concrete CAP	2,000.00	2,000.00
	Wisconsin Exempt Sales Tax	0.00%	0.00

So: / Excavation, Disposal, : Concrete Cap
Reviewed 5/15/17
OK

Phone # 715-235-2600

Total $14,319.04

VARIANCE

N7296 HIGHWAY V
HORICON, WI 53032
9203870987

#1

SITE	CELL	TICKET #	OPERATOR
E6		823568	DSSellnow

TRUCK	CONTAINER	LICENSE
DKS 44		

REFERENCE	IN	OUT
MARON PROPERTY	4/25/17 6:41 am	4/25/17 6:56 am

000493
DKS CONSTRUCTION
2520 WILSON STREET
MENOMONIE, WI 54751

INVOICE
INBOUND

CONTRACT: GRL 17033B
BOL: 153008

GROSS 73,160.00LBS Scale In
TARE 30,000.00LBS Scale Out
NET 43,160.00 LBS

QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
21.58	TN	C-Soil/33D@, Pet-Fuel Oil		0.00			

Thank you for using Advanced Disposal Glacier Ridge Landfill!

Total
Paid
Change
Check#
Recpt #

I hereby certify that this load does not contain any unauthorized hazardous waste.

SIGNATURE:_____

CUSTOMER COPY

GLACIER RIDGE LANDFILL
N7296 HIGHWAY V
HORICON, WI 53032
9203870987

#2

SITE	CELL	TICKET #	OPERATOR
E6		823610	63418

TRUCK	CONTAINER	LICENSE
DKS 44		

REFERENCE	IN	OUT
MARON PROPERTY	4/25/17 9:05 am	4/25/17 9:15 am

000493
DKS CONSTRUCTION
2520 WILSON STREET
MENOMONIE, WI 54751

INVOICE
INBOUND

CONTRACT: GRL 17033B
BOL: 153007

GROSS 72,420.00LBS Scale In
TARE 29,960.00LBS Scale Out
NET 42,460.00 LBS

QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
21.23	TN	C-Soil/33D@, Pet-Fuel Oil		0.00			

Thank you for using Advanced Disposal Glacier Ridge Landfill!

Total
Paid
Change
Check#
Recpt #

I hereby certify that this load does not contain any unauthorized hazardous waste.

SIGNATURE:_____

CUSTOMER COPY

N7296 HIGHWAY V
HORICON, WI 53032
9203870987

#3

000493
DKS CONSTRUCTION
2520 WILSON STREET
MENOMONIE, WI 54751

INVOICE
INBOUND

SITE	CELL	TICKET #	OPERATOR
E6		823654	63418

TRUCK	CONTAINER	LICENSE
DKS 44		

REFERENCE	IN	OUT
MARON	4/25/17 10:57 am	4/25/17 11:06 am

CONTRACT: GRL 17033B
BOL: 153006

GROSS 72,020.00LBS Manual In
TARE 29,920.00LBS Scale Out
NET 42,100.00 LBS

QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
21.05	TN	C-Soil/33D@, Pet-Fuel Oil		0.00			

Thank you for using Advanced Disposal Glacier Ridge Landfill!

I hereby certify that this load does not contain any unauthorized hazardous waste.

Total
Paid
Change
Check#
Recpt #

SIGNATURE:_____

CUSTOMER COPY

GLACIER RIDGE LANDFILL
N7296 HIGHWAY V
HORICON, WI 53032
9203870987

#4

000493
DKS CONSTRUCTION
2520 WILSON STREET
MENOMONIE, WI 54751

INVOICE
INBOUND

SITE	CELL	TICKET #	OPERATOR
E6		823686	63418

TRUCK	CONTAINER	LICENSE
DKS 44		

REFERENCE	IN	OUT
MARON	4/25/17 12:41 pm	4/25/17 12:50 pm

CONTRACT: GRL 17033B
BOL: 153005

GROSS 67,600.00LBS Scale In
TARE 29,820.00LBS Scale Out
NET 37,780.00 LBS

QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
18.89	TN	C-Soil/33D@, Pet-Fuel Oil		0.00			

Thank you for using Advanced Disposal Glacier Ridge Landfill!

I hereby certify that this load does not contain any unauthorized hazardous waste.

Total
Paid
Change
Check#
Recpt #

SIGNATURE:_____

CUSTOMER COPY

N7296 HIGHWAY V
HORICON, WI 53032
9203870987

#5

000493
DKS CONSTRUCTION
2520 WILSON STREET
MENOMONIE, WI 54751

INVOICE
INBOUND

SITE	CELL	TICKET #	OPERATOR
E6		823717	63418

TRUCK	CONTAINER	LICENSE
DKS 44		

REFERENCE	IN	OUT
MARON	4/25/17 2:37 pm	4/25/17 2:47 pm

CONTRACT: GRL 17033B
BOL: 153004

GROSS 67,140.00LBS Scale In
TARE 29,760.00LBS Scale Out
NET 37,380.00 LBS

QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
18.69	TN	C-Soil/33D@, Pet-Fuel Oil		0.00			

Thank you for using Advanced Disposal Glacier Ridge Landfill!

Total
Paid
Change
Check#
Recpt #

I hereby certify that this load does not contain any unauthorized hazardous waste.

SIGNATURE:_____

CUSTOMER COPY

21.58
21.23
21.05
18.89
18.69

101.44 total tons

DKS Transport Services, LLC

N7349 548th Street
Menomonie, WI 54751

715-556-2604

INVOICE

7-7 2017

CUSTOMER

MATCO % Karen Maron
709 Gillette St
La Crosse WI 54603

JOB NAME

Maron Property
Beaver Dam, WI

☐ CASH ☐ CHECK #______ ☒ IN-HOUSE ACCOUNT

QUANTITY DATE	QUANTITY SHIPPED	DESCRIPTION	QTY.	UNIT PRICE		AMOUNT	
	1	Mobilization	1	287	70	287	70
	2	Haul soil drums to Advanced Disposal - Eau Claire WI	2	108	15	216	30
	1	Haul water drum to Advanced Disposal Eau Claire WI	1	42	11	42	11
		Thank You					
		[signature]					
					TOTAL	546	11

Due upon receipt of invoice.
1.5% per month Service Charge (18% Annual Percentage Rate) will be added to past due accounts.

SIGNATURE __________________________

193

Inv. Waste Disposal
Reviewed 7/10/17
OK
[signature]

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 #
DODGE	___ ___ ___VS814_	

Latitude / Longitude (Degrees and Minutes) | Method Code (see instructions)
43 ___ ° 26 ___ . ___ ___ ___ 'N
88 ___ ° 52 ___ . ___ ___ ___ 'W

¼ / ¼	¼	Section	Township	Range	
NW	SE	7	11 N	14	[X] E ☐ W

or Gov't Lot #

Well Street Address: W9468 Iron Road

Well City, Village or Town	Well ZIP Code
Beaver Dam	53916-

Subdivision Name	Lot #

Reason For Removal From Service	WI Unique Well # of Replacement Well
Excavation Project	___ ___ ___ ___ ___

2. Facility / Owner Information

Facility Name: Maron Property

Facility ID (FID or PWS): 114109710

License/Permit/Monitoring #:

Original Well Owner: Karen Maron

Present Well Owner: Karen Maron

Mailing Address of Present Owner: 7420 W. Drummond Street

City of Present Owner	State	ZIP Code
Iron River	WI	54847-

3. Well / Drillhole / Borehole Information

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

Original Construction Date (mm/dd/yyyy): 11/30/2015

If a Well Construction Report is available, please attach.

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

Formation Type:
[X] Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
13	2.37

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
3	3

Was well annular space grouted? [X] Yes ☐ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
2.5	4.8

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?	[X] Yes	☐ No	☐ N/A
Casing left in place?	☐ Yes	[X] No	☐ N/A
Was casing cut off below surface?	[X] Yes	☐ No	☐ 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?	☐ Yes	☐ No	[X] 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	From (ft.)	To (ft.)	Pounds	
Bentonite Chips	Surface	13	19.5	

6. Comments

Monitoring Well MW-1
Please note that well was abandoned and removed during the excavation project.

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
Ron Anderson (METCO)		5/4/2017

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-	T. Howell for Ron Anderson	7/19/17

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: Maron Property	Local Grid Location of Well: _____ ft. ☐N ☐S _____ ft. ☐E ☐W	Well Name: MW1R
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No.: VR649 / DNR Well ID No.:
Facility ID	St. Plane _____ ft. N, _____ ft. E. S/C/N	Date Well Installed: 05 / 04 / 2017 (m m d d y y y y)
Type of Well: Well Code 12 / mw	Section Location of Waste/Source: _____ 1/4 of _____ 1/4 of Sec. _____, T. _____ N, R. _____ ☐E ☐W	Well Installed By: Name (first, last) and Firm: Kevin Frome / Soils & Engineering Services
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 _____ ft. MSL
C. Land surface elevation _____ 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 ☒ No

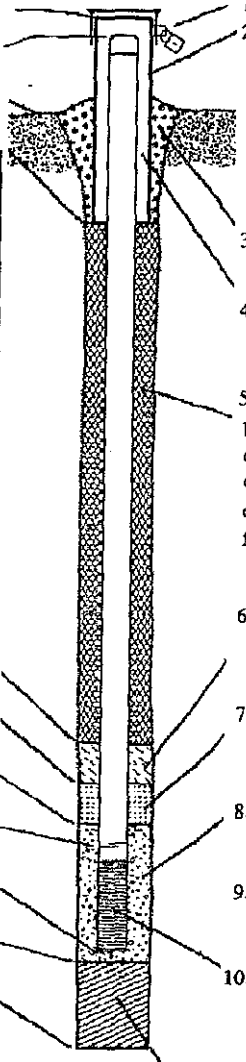
14. Drilling method used: Rotary ☐ 50 / Hollow Stem Auger ☒ 41 / Other ☐ _____

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

16. Drilling additives used? ☐ Yes ☒ No
Describe _____

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

E. Bentonite seal, top _____ ft. MSL or 1.0 ft.
F. Fine sand, top _____ ft. MSL or 2.0 ft.
G. Filter pack, top _____ ft. MSL or 2.5 ft.
H. Screen joint, top _____ ft. MSL or 3.0 ft.
I. Well bottom _____ ft. MSL or 13.0 ft.
J. Filter pack, bottom _____ ft. MSL or 14.0 ft.
K. Borehole, bottom _____ ft. MSL or 14.0 ft.
L. Borehole, diameter 8.0 in.
M. O.D. well casing 2.38 in.
N. I.D. well casing 2.04 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 8.0 in.
b. Length: 1.0 ft.
c. Material: Steel ☒ 04 / Other ☐ _____
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____
3. Surface seal: Bentonite ☐ 30 / Concrete ☒ 01 / Other ☐ _____
4. Material between well casing and protective pipe: Bentonite ☒ 30 / Other ☐ _____
5. Annular space seal: a. Granular/Chipped Bentonite ☐ 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 / Tremie pumped ☐ 02 / Gravity ☐ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ☒3/8 in. ☐1/2 in. Bentonite chips ☒ 32
c. _____ Other ☐ _____
7. Fine sand material: Manufacturer, product name & mesh size
a. Red Flint #15
b. Volume added 0.5 ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. Red Flint #40
b. Volume added 4.0 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23 / Flush threaded PVC schedule 80 ☐ 24 / Other ☐ _____
10. Screen material: Sch. 40 PVC
a. Screen type: Factory cut ☒ 11 / Continuous slot ☐ 01 / Other ☐ _____
b. Manufacturer Monoflex
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ☐ 14 / Other ☐ _____

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

Signature	Firm
	Soils & Engineering Services, Inc.

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.

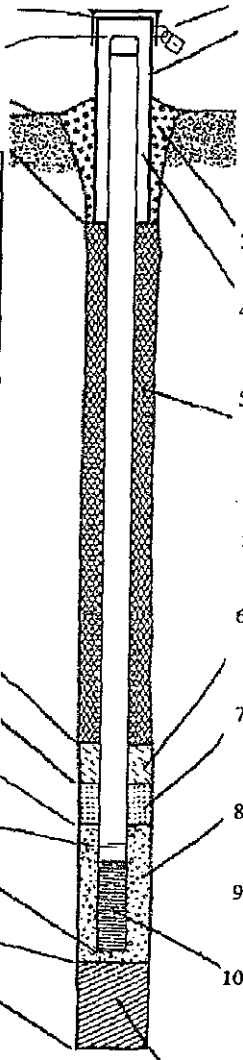
State of Wisconsin
Department of Natural Resources

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

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Maron Property	Local Grid Location of Well ☐ ft. ☐N. ☐S. ☐ ft. ☐E. ☐W.	Well Name: MW5
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No.: VR648 / DNR Well ID No.
Facility ID	St. Plane ft. N, ft. E. S/C/N	Date Well Installed: 05 / 04 / 2017 (m m d d y y y y)
Type of Well: Well Code 12 / mw	Section Location of Waste/Source: 1/4 of 1/4 of Sec. T. N, R. ☐E ☐W	Well Installed By: Name (first, last) and Firm: Kevin Frome / Soils & Engineering Services
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 _____ ft. MSL

C. Land surface elevation _____ 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 ☒ No

14. Drilling method used: Rotary ☐ 50 / Hollow Stem Auger ☒ 41 / Other ☐ _____

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

16. Drilling additives used? ☐ Yes ☒ No

Describe _____

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

_____

E. Bentonite seal, top _____ ft. MSL or 1.0 ft.

F. Fine sand, top _____ ft. MSL or 2.0 ft.

G. Filter pack, top _____ ft. MSL or 2.8 ft.

H. Screen joint, top _____ ft. MSL or 2.9 ft.

I. Well bottom _____ ft. MSL or 12.9 ft.

J. Filter pack, bottom _____ ft. MSL or 13.2 ft.

K. Borehole, bottom _____ ft. MSL or 13.2 ft.

L. Borehole, diameter 8.0 in.

M. O.D. well casing 2.38 in.

N. I.D. well casing 2.04 in.

1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 8.0 in.
b. Length: 1.0 ft.
c. Material: Steel ☒ 04 / Other ☐ _____
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____

3. Surface seal: Bentonite ☐ 30 / Concrete ☒ 01 / Other ☐ _____

4. Material between well casing and protective pipe: Bentonite ☒ 30 / Other ☐ _____

5. Annular space seal: a. Granular/Chipped Bentonite ☐ 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 / Tremie pumped ☐ 02 / Gravity ☐ 08

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

7. Fine sand material: Manufacturer, product name & mesh size
a. Red Flint #15
b. Volume added 0.3 ft^3

8. Filter pack material: Manufacturer, product name & mesh size
a. Red Flint #40
b. Volume added 3.6 ft^3

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

10. Screen material: Sch. 40 PVC
a. Screen type: Factory cut ☒ 11 / Continuous slot ☐ 01 / Other ☐ _____
b. Manufacturer Monoflex
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.

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

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

Signature	Firm
	Soils & Engineering Services, Inc.

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.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

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

Facility/Project Name	County Name	Well Name
Maron Property	DODGE	MW-1R
Facility License, Permit or Monitoring Number	**County Code**	**Wis. Unique Well Number** / **DNR Well ID Number**
	14	VR649 /

1. Can this well be purged dry? ☐ Yes X No

2. Well development method

surged with bailer and bailed	☐	41
surged with bailer and pumped	[X]	61
surged with block and bailed	☐	42
surged with block and pumped	☐	62
surged with block, bailed and pumped	☐	70
compressed air	☐	20
bailed only	☐	10
pumped only	☐	51
pumped slowly	☐	50
Other _____	☐	

3. Time spent developing well 55 min.

4. Depth of well (from top of well casisng) 13 ft.

5. Inside diameter of well 2 in.

6. Volume of water in filter pack and well casing 11.5 gal.

7. Volume of water removed from well 55 gal.

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

9. Source of water added _____

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

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 2.58 ft.	7.69 ft.
Date	b. 05 / 04 / 2017 (m m d d y y y y)	5/ /2 / 17 (m m d d y y y y)
Time	c. 02 : 40 ☐ a.m. X p.m.	03 : 35 ☐ a.m. [X] p.m.
12. Sediment in well bottom	___ inches	___ inches
13. Water clarity	Clear ☐ 10 Turbid [X] 15	Clear [X] 20 Turbid ☐ 25
(Describe)	Tan to light brown High Turbidity	Clear Low Turbidity

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

14. Total suspended solids	___ mg/l	___ mg/l
15. COD	___ mg/l	___ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Matt Last Name: Michalski
Firm: METCO

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Karen Last Name: Maron
Facility/Firm: Maron Property
Street: 7420 W. Drummond Street
City/State/Zip: Iron River WI 54847-

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Matt Michalski
Print Name: Matt Michalski
Firm: METCO

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

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

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

Facility/Project Name	County Name	Well Name
Maron Property	DODGE	MW-5

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	14	VR648	

1. Can this well be purged dry? [X] Yes ☐ No

2. Well development method

surged with bailer and bailed	☐ 41
surged with bailer and pumped	[X] 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surged with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☐ 10
pumped only	☐ 51
pumped slowly	☐ 50
Other _____	☐

3. Time spent developing well 85 min.

4. Depth of well (from top of well casisng) 13 ft.

5. Inside diameter of well 2 in.

6. Volume of water in filter pack and well casing 12.2 gal.

7. Volume of water removed from well 32 gal.

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

9. Source of water added _____

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

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 1.84 ft.	10.74 ft.
Date	b. 05 / 04 / 2017 (m m d d y y y y)	5/ /2 / 17 (m m d d y y y y)
Time	c. 01 : 10 ☐ a.m. X p.m.	02 : 35 ☐ a.m. [X] p.m.
12. Sediment in well bottom	____ inches	____ inches
13. Water clarity	Clear ☐ 10 Turbid [X] 15 (Describe) Light brown to tan; High Turbidity	Clear [X] 20 Turbid ☐ 25 (Describe) Clear; Low Turbidity
14. Total suspended solids	____ mg/l	____ mg/l
15. COD	____ mg/l	____ mg/l

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

16. Well developed by: Name (first, last) and Firm
First Name: Matt Last Name: Michalski
Firm: METCO

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Karen Last Name: Maron
Facility/Firm: Maron Property
Street: 7420 W. Drummond Street
City/State/Zip: Iron River WI 54847-

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Matt Michalski
Print Name: Matt Michalski
Firm: METCO

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

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
Maron Property		MW-1R

Boring Drilled By: Name of crew chief (first, last) and Firm	Drilling Date Started	Drilling Date Completed	Drilling Method
First: Kevin Last:	05/04/2017	05/04/2017	HSA/AR
Firm: SES	MM/ DD/ YYYY	MM /DD/ YYYY	

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
VR649		MW-1R	875 feet MSL	880 feet MSL	8"

Local Grid Origin (estimated X) or Boring Location		Local Grid Location	
State Plane N, E	Lat 43° 26' 3"	N	E
NW ¼ of SE ¼ of Section 7 , T11N, R14E	Long 88° 52' 21"	Feet S	Feet W

Facility ID	County	County Code	Civil Town / City / Village
114109710	Dodge	14	Town of Beaver Dam

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
MW-1R-1 1-3 ft	24 18	2,4,4,4	2	Light tan limestone screenings	FILL		See Well Construction Form	2.3		M				No Petro Odor
MW-1R-2 5-7 ft	24 12	4,4,2,1	4 6	Light tan limestone screenings	FILL			2.2		M/W				No Petro Odor
			8	Light tan limestone screenings (9-9'2")	FILL									
MW-1R-3 9-11 ft	24 24	9,19 26,31	10	Dark tan silty/clayey sand with gravel to sandy silt/clay (9'2"-11 feet)	SC/CL			192		W				Strong Petro Odor (9'2" to 11 feet)
			12	Auger refusal @ 12 feet										
			14 16 18 20 22 24	EOB @ 14 Feet. Auger refusal @ 12 feet. Air rotary drilling from 12 to 14 feet. Installed MW-1R to 13 feet bgs.										

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

Signature: Matthew C. Mitchell 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
Maron Property		MW-5

Boring Drilled By: Name of crew chief (first, last) and Firm	Drilling Date Started	Drilling Date Completed	Drilling Method
First: Kevin Last:	05/04/2017	05/04/2017	HSA/AR
Firm: SES	MM/ DD/ YYYY	MM /DD/ YYYY	

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
VR648		MW-5	875 feet MSL	880 feet MSL	8"

Local Grid Origin (estimated X) or Boring Location		Local Grid Location
State Plane N, E	Lat 43° 26' 3"	N E
NW ¼ of SE ¼ of Section 7 , T11N, R14E	Long 88° 52' 21"	Feet S Feet W

Facility ID	County	County Code	Civil Town / City / Village
114109710	Dodge	14	Town of Beaver Dam

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
			2	Tan to brown clayey sand and gravel (1-2 feet)	FILL		See Well Construction Form							
MW-5-1 1-3 ft	24 12	9,5,6,7	4	Dark tan to brown silt/clay (2-3 feet)	SM/CL			5.7		M				No Petro Odor
MW-5-2 5-7 ft	24 18	6,9,7,9	6 8	Tan sandy silt/clay with trace gravel	SM/CL			5.0		M/W				No Petro Odor
MW-5-3 9-11 ft	24 18	22,30 60,60(2")	10	Tan to brown silty sand	SM			3.1		W				No Petro Odor
			12	Auger refusal @ 12 feet – Weathered dolomite										
			14 16 18 20 22 24	EOB @ 13 Feet. Auger refusal @ 12 feet. Air rotary drilling from 12 to 13 feet. Installed MW-5 to 13 feet bgs.										

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

Signature: 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.

Vapor Assessment
Sample Collection Log

PROJECT: Metco-Mason Property	SAMPLE ID: SS-1	TYPE (Circle One)*: (SB) AI AR	
PROJECT #: 25217099	SAMPLE INTAKE HEIGHT: N/A		NA for SB
LOCATION: Beaver Dam	APPROX PURGE VOLUME: 1L		NA for AI and AR
SAMPLER: NJH	APPROX SAMPLING DEPTH: 8"		NA for AI and AR
Sub-Slab Sample Kit #: 1			NA for AI and AR
Sub-Slab Sample Manifold #: 1			NA for AI and AR
PID #: Minilae 3000 ppb			

Instrument/Weather Readings:

Date	Time	Canister Vacuum (" of Hg)	Temp (°F)	Relative Humidity (%)	Air Speed (mph)	Barometric Pressure (" of Hg)	PID Reading (ppm/(ppb))
5-16-17	957	-30	66	84	SSE 8	29.73	3086
5-16-17	1028	-7	69	79	SSE 10	29.72	=

Summa Canister Information:

Canister Size:	1L	(6L)
Canister ID#	5961	
Flow Controller ID#	5595	

Sub-Slab Water Dam Test:

Test Passed:	(Yes)	No

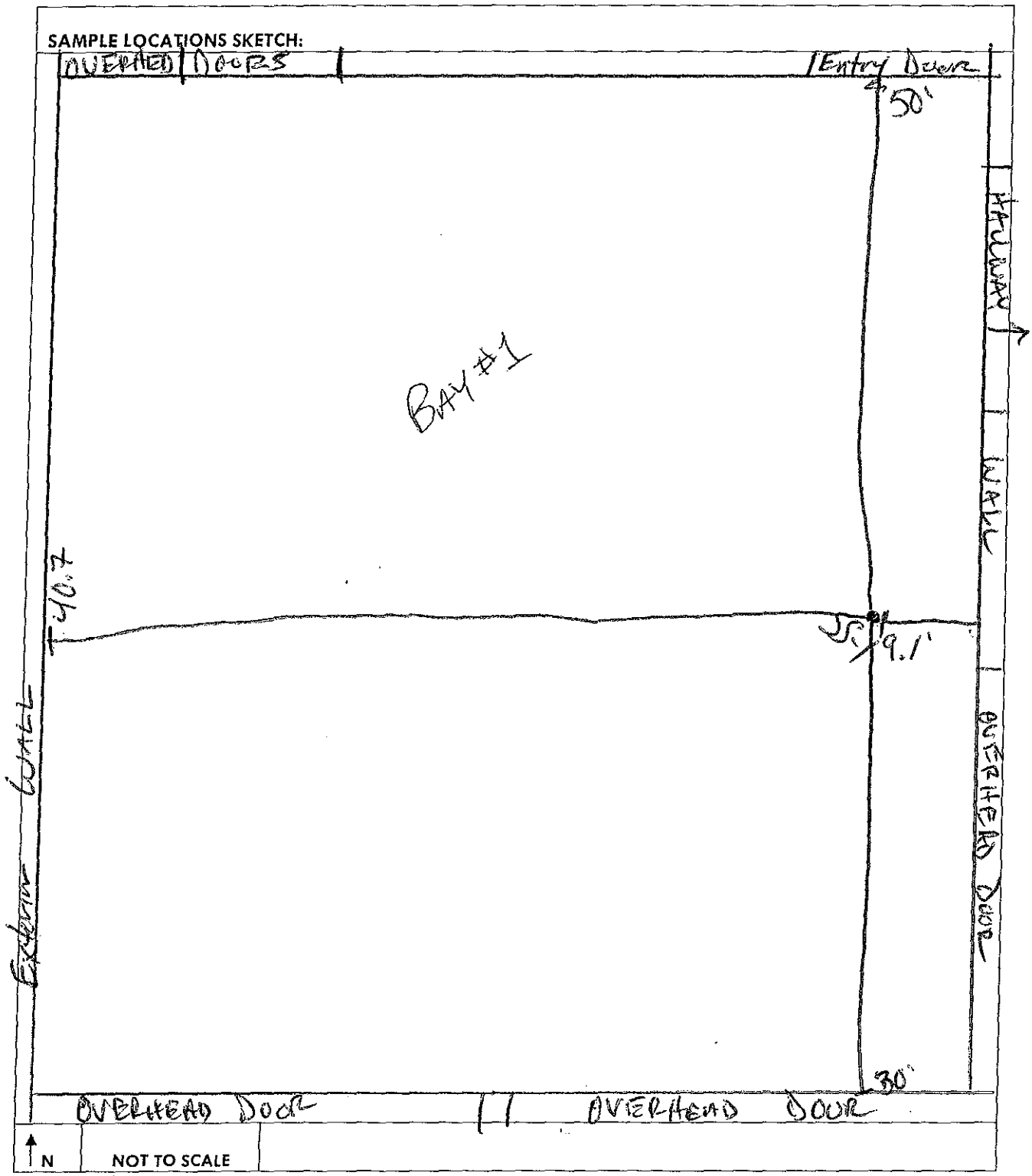
General Notes/Observations:

Abbreviations:
NA = Not Applicable
SB = Sub-Slab
AI = Indoor Air
AR = Outdoor Air

PROJECT NO.: 25217099 SAMPLE LOCATION/ID: SS-1

DATE: 5-16-17

SAMPLE LOCATIONS SKETCH:



I:\25213180\Forms\Samples Location Sketch.doc

Vapor Assessment
Sample Collection Log

PROJECT: Metco - Maran Property	SAMPLE ID: SS-2 TYPE (Circle One)*: SB AI AR
PROJECT #:	SAMPLE INTAKE HEIGHT: N/A NA for SB
LOCATION: Beaver Dam	APPROX PURGE VOLUME: 1L NA for AI and AR
SAMPLER: NJH	APPROX SAMPLING DEPTH: 8" NA for AI and AR
Sub-Slab Sample Kit #: 2	NA for AI and AR
Sub-Slab Sample Manifold #: 2	NA for AI and AR
PID #: ppb Rae 3000	

Instrument/Weather Readings:

Date	Time	Canister Vacuum (" of Hg)	Temp (°F)	Relative Humidity (%)	Air Speed (mph)	Barometric Pressure (" of Hg)	PID Reading (ppm/ppb)
5-16-17	1035	-28	69	79	SSE10	29.72	570
5-16-17	1105	-5	72	74	SSE10	29.71	—

Summa Canister Information:

Canister Size:	1L 6L
Canister ID#	4279
Flow Controller ID#	6074

Sub-Slab Water Dam Test:

Test Passed:	Yes No

General Notes/Observations:

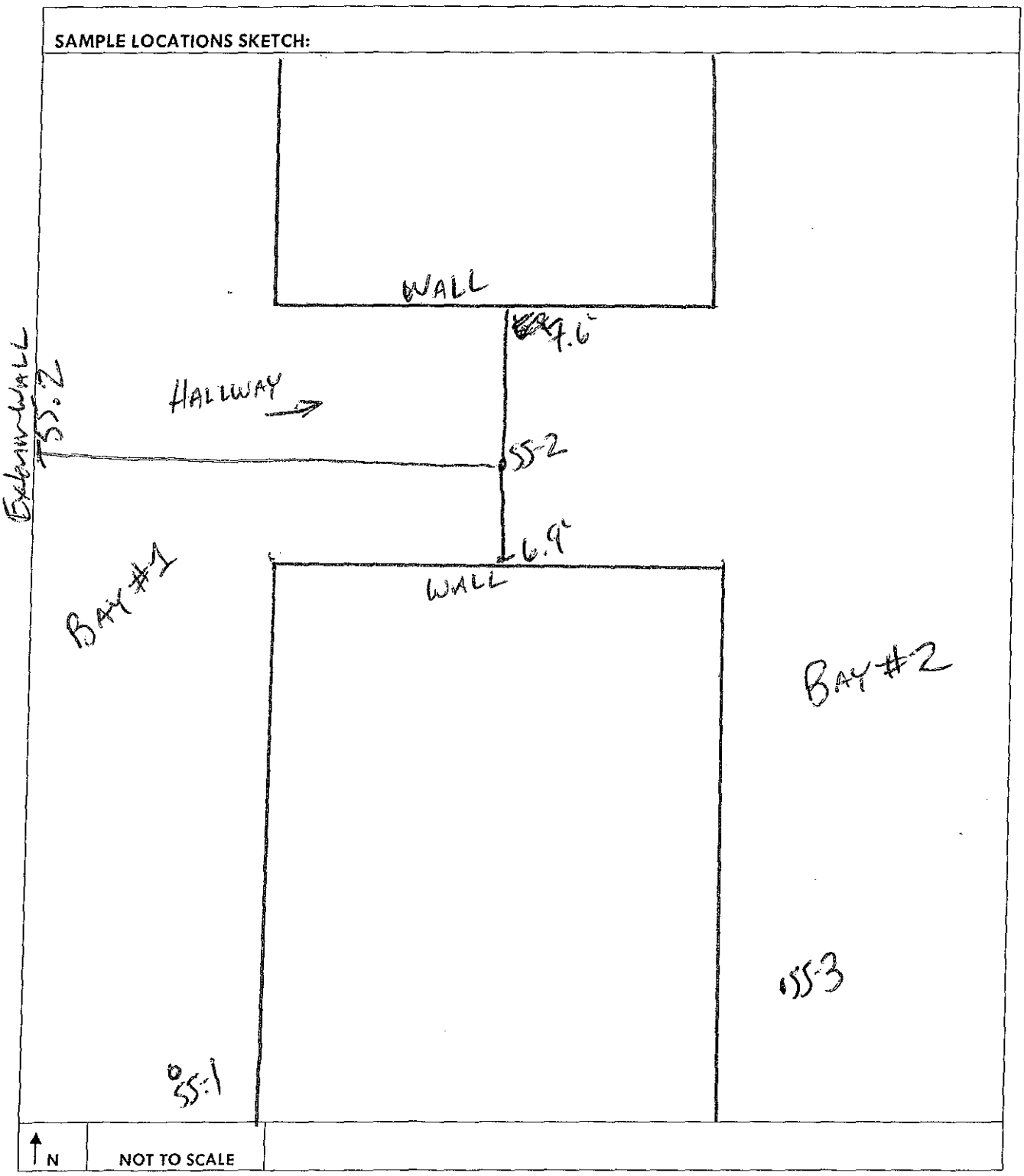
Abbreviations:
NA = Not Applicable SB = Sub-Slab
AI = Indoor Air AR = Outdoor Air

C:\Users\3550lmh\Desktop\Vapor Assessment Sample Collection Log (2).doc

PROJECT NO.: 25217099 SAMPLE LOCATION/ID: SS-2

DATE: 5-16-17

SAMPLE LOCATIONS SKETCH:



Vapor Assessment
Sample Collection Log

PROJECT: Metco - Mavon Property	**SAMPLE ID:** SS-3	**TYPE** (Circle One)*: (SB) AI AR	
PROJECT #: 25217099	**SAMPLE INTAKE HEIGHT:** N/A		**NA for SB**
LOCATION: Beaver Dam	**APPROX PURGE VOLUME:** 1L		**NA for AI and AR**
SAMPLER: NJH	**APPROX SAMPLING DEPTH:** 8"		**NA for AI and AR**
Sub-Slab Sample Kit #:			**NA for AI and AR**
Sub-Slab Sample Manifold #:			**NA for AI and AR**
PID #: ppbRae3000			

Instrument/Weather Readings:

Date	Time	Canister Vacuum (" of Hg)	Temp (°F)	Relative Humidity (%)	Air Speed (mph)	Barometric Pressure (" of Hg)	PID Reading (ppm/ppb)
5-16-17	1104	-30	72	74	SE10	29.71	1559
5-16-17	1134	-6	74	70	S12	29.68	—

Summa Canister Information:

Canister Size:	1L	(6L)
Canister ID#	2669	
Flow Controller ID#	6085	

Sub-Slab Water Dam Test:

Test Passed:	(Yes)	**No**

General Notes/Observations:

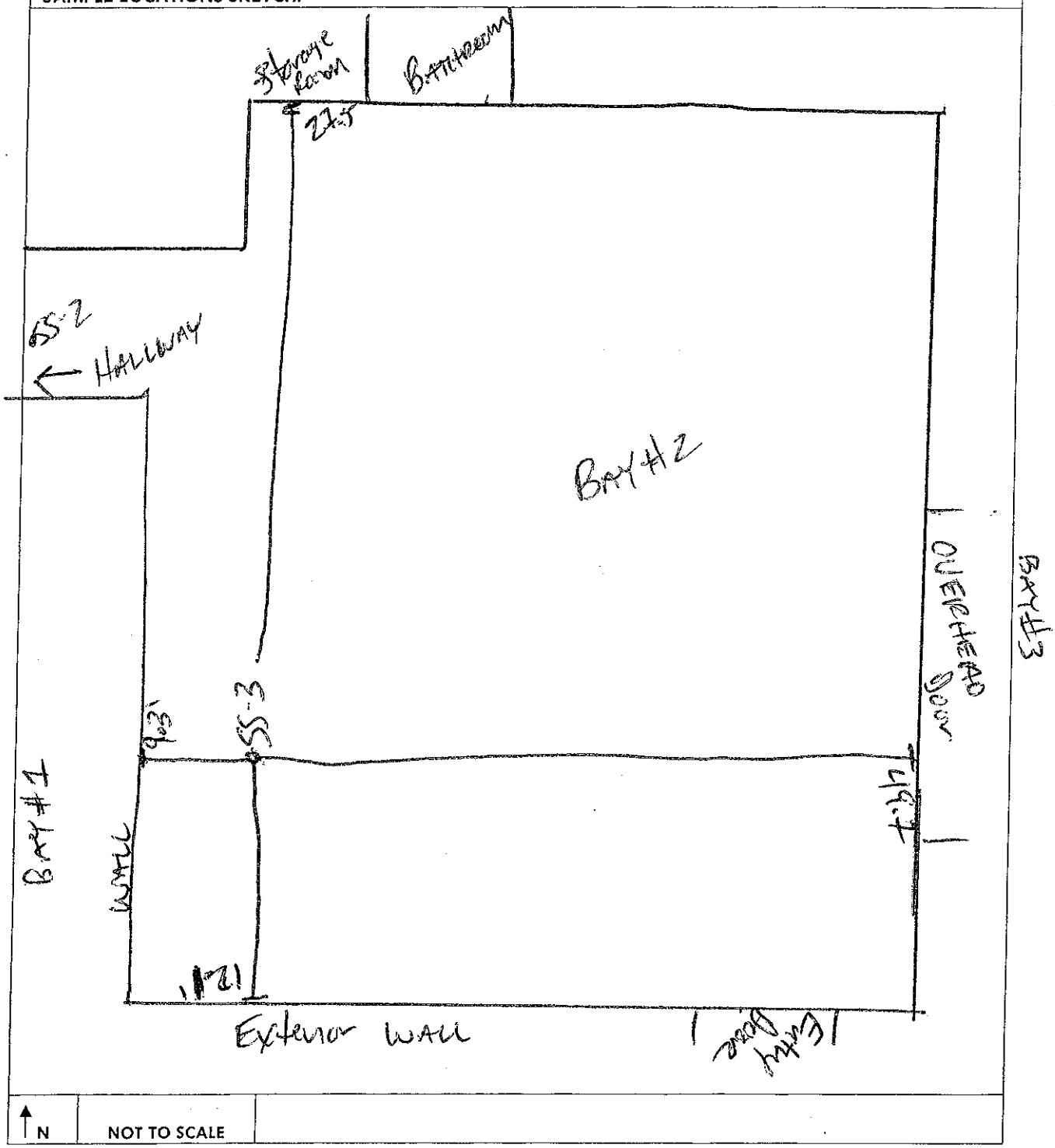
Abbreviations:
NA = Not Applicable SB = Sub-Slab
AI = Indoor Air AR = Outdoor Air

SCS ENGINEERS

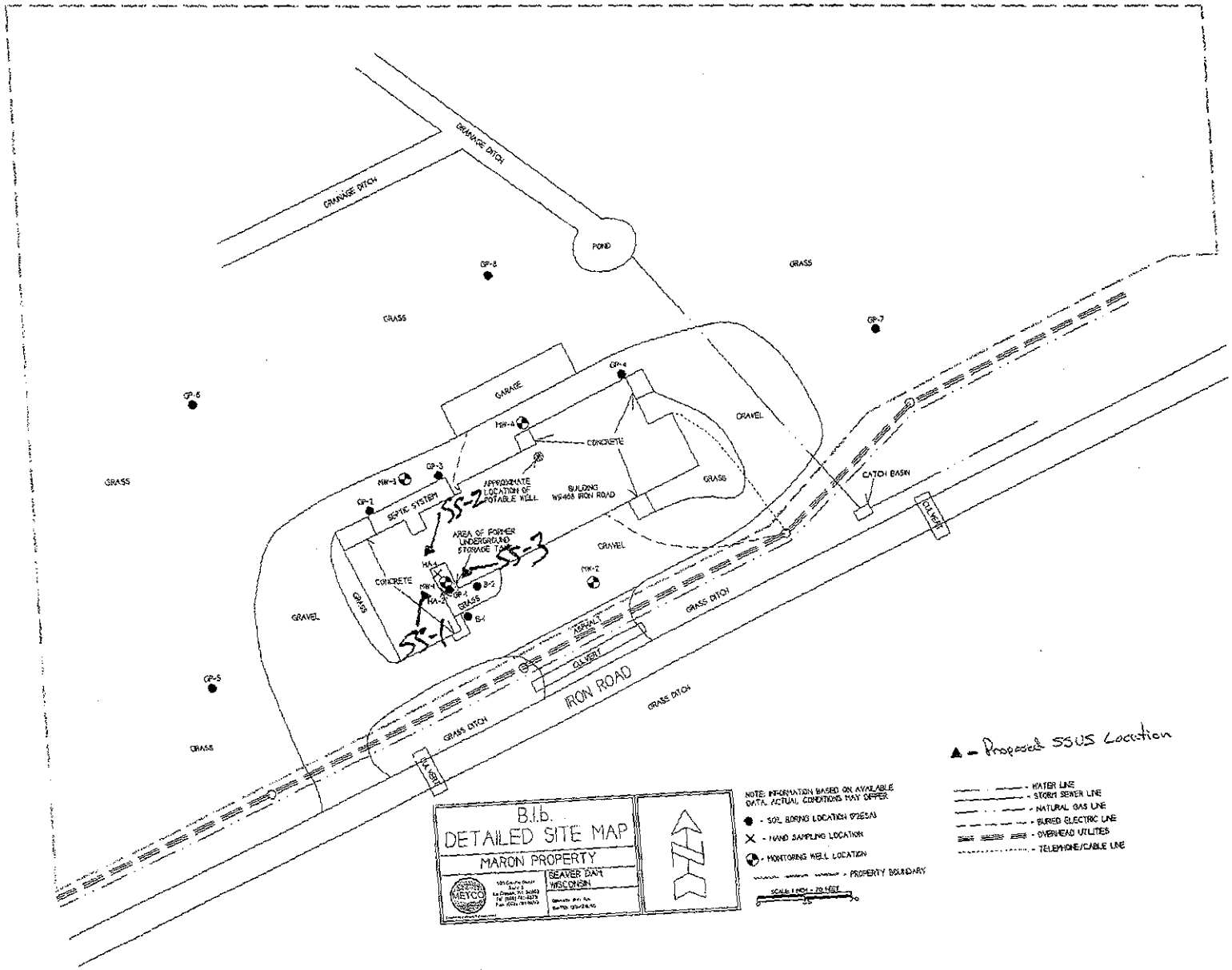
PROJECT NO.: 25217099 SAMPLE LOCATION/ID: SS-3

DATE: 5-16-17

SAMPLE LOCATIONS SKETCH:



N NOT TO SCALE


B.I.b.
DETAILED SITE MAP
MARON PROPERTY
BEAVER DAM
WISCONSIN
NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER
- SOIL BORING LOCATION 9/26/00
- HAND SAMPLING LOCATION
- MONITORING WELL LOCATION
- PROPERTY BOUNDARY
SCALE: 1 INCH = 70 FEET
▲ - Proposed SSUS Location
- WATER LINE
- STORM SEWER LINE
- NATURAL GAS LINE
- BURIED ELECTRIC LINE
- OVERHEAD UTILITIES
- TELEPHONE/CABLE LINE
IRON ROAD
DRAINAGE DITCH
DRAINAGE DITCH
POND
GRASS
GRASS
GRASS
GRASS
GRASS
GRASS
GRAVEL
GRAVEL
GRAVEL
GARAGE
CONCRETE
CONCRETE
SEPTIC SYSTEM
APPROXIMATE LOCATION OF POTABLE WELL
BUILDING W9468 IRON ROAD
AREA OF FORMER UNDERGROUND STORAGE TANK
CATCH BASIN
CULVERT
CULVERT
CULVERT
ASPHALT
GRASS DITCH
GRASS DITCH
GRASS DITCH
GP-1
GP-2
GP-3
GP-4
GP-5
GP-6
GP-7
GP-8
MW-1
MW-2
MW-3
MW-4
B-1
B-2
SS-1
SS-2
SS-3
SS-4

TestAmerica Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403
phone 802-660-1990 fax 802-660-1919

Canister Samples Chain of Custody Record

TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection and shipment of these samples.

Client Contact Information	Project Manager: Eric Oelkers	Samples Collected By: NJH	1 of 1 COCs
Company: SCS Engineers	Phone: 608-216-7391		
Address: 2830 Dairy Drive	Email: EOelkers@scsengineers.com		
City/State/Zip Madison, WI 53718			
Phone: 608-224-2830	Site Contact:		
FAX:	TA Contact: Sandie Fredrick		
Project Name: Metro-Mavas Property	**Analysis Turnaround Time**		
Site: Beaver Dam	Standard (Specify) 7 days		
PO # 23217099	Rush (Specify)		

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15 PVOC+N	MA-APH	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SS-1	5-16-17	957	1028	-30	-7	5595	5961	X											
SS-2	5-16-17	1035	1105	-28	-5	6074	4279	X											
SS-3	5-16-17	1104	1134	-30	-6	6085	2669	X											

Temperature (Fahrenheit)	Interior	Ambient
Start	70	66
Stop	70	74

Pressure (inches of Hg)	Interior	Ambient
Start	N/A	29.73
Stop	N/A	29.68

Special Instructions/QC Requirements & Comments:

Analysis → TO-15, PVOC+N

SS-1 = 3086 ppb
SS-2 = 570 ppb
SS-3 = 1559 ppb

Samples Shipped by: Nate Harms	Date/Time: 5-16-17 1500	Samples Received by:
Samples Relinquished by:	Date/Time:	Received by:
Relinquished by:	Date/Time:	Received by:

Lab Use Only **Shipper Name:** **Opened by:** **Condition:**

FIELD SHEET - EQUIPMENT AND MATERIALS USAGE

Project Name: Metco - Maron Property Project #: 25217099 Task #:

Dates of Fieldwork: 5-16-17 Field Crew: MSH

Field Activities Being Conducted: Collect 3 sub slab vapor samples

Item#	Quant.	Description
Groundwater Monitoring, etc.		
25-F028		Ice (bag)
25-E048		Water Level Indicator (day)
25-E013		Field Filtering Apparatus (day)
25-F010		Field Filters - High Vol. (each)
25-F004		Dedicated Bailers (each)
25-F005		Disposable Bailers (each)
25-F026		Locking Well Caps (each)
25-E007		Ph, Conductivity, Temp & TDS Meter (day)
25-E027		pH Meter (day)
25-F009		Dissolved Oxygen/Water Chemistry Tubes (each)
25-E012		Dissolved Oxygen Test Kit (day)
25-E011		Dissolved Oxygen Meter (day)
25-E026		Oil/Water Interface Probe (day)
25-E031		P. Trans./Logger (day)
25-E032		P. Trans/Logger (week)
25-E049		Carbon Treatment of Water (gal)
25-E068		Turbidity Meter (day)
25-E069		YSI-Multimeter (day)
25-F027		Well Locks (each)
25-F012		Granular Bentonite (bag)
Pumps		
25-E040		Well Development Pump (day)
25-E038		Submersible Pump (day)
25-E037		Peristaltic Pump (day)
25-E035		Explosion Proof Pump (day)
25-E039		Sump Pump (day)
25-E050		Bladder Pump Controller/Compressor (day)
25-E036		Hand Pump (day)
25-E033		Pump, 2" gas engine (day)
25-E070		Backpack Pump Controller (day)
Remediation Systems		
25-F029		Muriatic Acid (gal)
25-F032		Sodium Bicarbonate (bag)
25-E045		SVE Pilot Test Setup (day)

Item#	Quant.	Description
PPE and Air and Gas Monitoring		
25-H001		Level D PPE (day)
25-H005		Modified Level D PPE (day)
25-E016		Four Gas Meter (day)
25-E021		Landfill Gas Meter (day)
25-E034		Personal Air Sampling Pump (day)
25-F003		Air Monitoring Detector Tubes (each)
25-F030	3	Vapor Pins (each)
25-F031		Stainless Steel Vapor Pin Cap (each)
25-E065	1/2	Roto Hammer (day)
25-H002		Respirator Cartridges (day)
25-H003		Tyvek Suits (each)
25-E004		Carbon Monoxide/Dioxide Meter (day)
Soil Equipment		
25-F028		Ice (bag)
25-E028	1/2	PID (day)
25-E014		FID (day)
25-E043		Soil Scale (day)
25-E019		Hand Auger Kit (day)
25-E025		Nuclear Density Gauge (day)
25-E052		Vane Shear Test
Survey Equipment		
25-E023		Laser Level Lake Delton (hour)
25-E022		Laser Level Madison (day)
25-F025		Survey Lath (each)
25-F024		Survey Hubs (each)
25-F023		Survey Chasers (each)
25-F014		Marking Paint (each)
25-F001		¾" Irons (each)
25-E018		GPS Survey Grade Unit (hour)
25-E017		GPS Site Mapping Unit (day)

See back of form for additional equipment.

Note: Please list any additional equipment that you use that is not on this list.

Other Miscellaneous Equipment

Item#	Quant.	Description
25-F002		55-Gallon Drums (each)
25-E029		1,000 Gallon Tank (day)
25-E001		Air Compressor (day)
25-E005		Concrete Air/Slump (each)
25-E006		Concrete Cylinder Mold (each)
25-F007		Curlex Blanket (each)
25-F008		Curlex Staples (box)
25-E010		Digital Camera (day)
25-E030	1/2	Portable Generator (day)
25-E020		HEPA Vacuum (day)
25-F013		Lawn Seed (pound)
25-H004		Orange Safety Fence 4x100 (roll)
25-E024		Metal Detector (day)
25-F020		Oil Absorbent Sox (each)
25-F021		Oil-Dry Absorbent (bag)
25-F006		Concrete (bag)
25-E051		Pressure Washer (day)
25-F022		Plastic Sheeting (roll)

Item#	Quant.	Description
25-F018		Oil Absorbent Hard Boom 10"
25-F020		Oil Absorbent Sox (each)
25-F017		Oil Absorbent Boom 8"x10' (each)
25-F016		Oil Absorbent Boom 5"x10' (each)
25-F019		Oil Absorbent Pads (each)
25-E044		Spill Response Trailer (day) (equip. charged separately)
25-E046		Utility Trailer (day)
25-E008		Core Drill (day)
25-E009		Cut Off Saw (day)
25-E002		Boat, 14-Foot (day)
25-E015		Flatbed Trailer (day)
25-E003		Boom Trailer (day)
25-E066		Ventilation Fan (day)
25-E015		Dump Trailer (day)
25-E042		Miscellaneous Tools (day)
25-E071		Overpack Drum (each)

NVESTIGATIVE WASTES

Project #: _____ **Date:** _____ **Your Initials:** _____

Drum location address: _____

Where on site are the drums located? _____

_____

Total Drums Generated:	
Quantity Soil:	
Quantity Water:	
Quantity Sludge:	
Other:_____	

Total Drums Disposed of:	
Quantity Soil:	
Quantity Water:	
Quantity Sludge:	
Other:_____	

Total Drums on Site:	
Quantity Soil:	
Quantity Water:	
Quantity Sludge:	
Other:_____	

OTES (Note drum IDs, if any): _____

_____

_____

CURVE FORMULAS

$T = R \tan \frac{1}{2} I$	$R = T \cot. \frac{1}{2} I$	Chord def. $= \frac{\text{chord}^2}{R}$
$T = \frac{50 \tan \frac{1}{2} I}{\text{Sin.} \frac{1}{2} D}$	$R = \frac{50}{\text{Sin.} \frac{1}{2} D}$	No. chords $= \frac{I}{D}$
$\text{Sin.} \frac{1}{2} D = \frac{50}{R}$	$E = R \text{ ex. sec } \frac{1}{2} I$	
$\text{Sin.} \frac{1}{2} D = \frac{50 \tan \frac{1}{2} I}{T}$	$E = T \tan \frac{1}{4} I$	Tan. def. $= \frac{1}{2}$ chord def.

The square of any distance, divided by twice the radius, will equal the distance from tangent to curve, very nearly.

To find angle for a given distance and deflection.

Rule 1. Multiply the given distance by .01745 (def. for 1° for 1 ft.) and divide given deflection by the product.

Rule 2. Mulfiply given deflection by 57.3, and divide the product by the given distance.

To find deflection for a given angle and distance. Multiply the angle by .01745, and the product by the distance.

GENERAL DATA

RIGHT ANGLE TRIANGLES. Square the altitude, divide by twice the base. Add quotient to base for hypotenuse.

Given Base 100, Alt. 10. $10^2 \div 200 = .5$. $100 + .5 = 100.5$ hyp.

Given Hyp. 100, Alt. 25. $25^2 \div 200 = 3.125$. $100 - 3.125 = 96.875$ = Base.

Error in first example, .002; in last, .045.

To find Tons of Rail in one mile of track: multiply weight per yard by 11, and divide by 7.

LEVELING. The correction for curvature and refraction, in feet and decimals of feet is equal to $0.574\, d^2$, where d is the distance in miles. The correction for curvature alone is closely, $\frac{2}{3} d^2$. The combined correction is negative.

PROBABLE ERROR. If d_1, d_2, d_3, etc. are the discrepancies of various results from the mean, and if Σd^2=the sum of the squares of these differences and n=the number of observations, then the probable error of the mean=

$$\pm 0.6745 \sqrt{\frac{\Sigma d^2}{n(n-1)}}$$

MINUTES IN DECIMALS OF A DEGREE

1′	.0167	11′	.1833	21′	.3500	31′	.5167	41′	.6833	51′	.8500
2	.0333	12	.2000	22	.3667	32	.5333	42	.7000	52	.8667
3	.0500	13	.2167	23	.3833	33	.5500	43	.7167	53	.8833
4	.0667	14	.2333	24	.4000	34	.5667	44	.7333	54	.9000
5	.0833	15	.2500	25	.4167	35	.5833	45	.7500	55	.9167
6	.1000	16	.2667	26	.4333	36	.6000	46	.7667	56	.9333
7	.1167	17	.2833	27	.4500	37	.6167	47	.7833	57	.9500
8	.1333	18	.3000	28	.4667	38	.6333	48	.8000	58	.9667
9	.1500	19	.3167	29	.4833	39	.6500	49	.8167	59	.9833
10	.1667	20	.3333	30	.5000	40	.6667	50	.8333	60	1.0000

INCHES IN DECIMALS OF A FOOT

1-16	3-32	1/8	3-16	1/4	5-16	3/8	1/2	5/8	3/4	7/8
.0052	.0078	.0104	.0156	.0208	.0260	.0313	.0417	.0521	.0625	.0729
1	2	3	4	5	6	7	8	9	10	11
.0833	.1667	.2500	.3333	.4167	.5000	.5833	.6667	.7500	.8333	.9167

65° Sunny

5-16-17 5-10mph winds #25217099

855 NH on site to collect 3-Sub slab Vapor samples at the Mann Property at W9468 Iron Rd, Beaver Dam.

- Met w/ John from Metco
- NH + John went over locations to install vapor pins.
- No power on site. Will use generator as needed. Opened doors to allow for light to enter building
- Will start on western probe location (SS-1)
- Calibrated PID before use.
- Ambient AIR = Ø (PID)

- 1040 - John, Metco off site
- After Vapor samples were collected, NH abandoned boreholes by placing paper towel inside hole + topping off w/ cement
- NH locked all doors except one entry door. John said property owner will stop by sometime today to lock doors.

1210 - NH off site.


#1

#2

Synergy Environmental Lab,

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

KAREN MARON
KAREN MARON
7420 W. DRUMMOMD STREET
IRON RIVER, WI 54847

Report Date *05-Apr-17*

Project Name MARON PROPERTY **Invoice #** E32677
Project #

Lab Code 5032677A
Sample ID HA-2
Sample Matrix Soil
Sample Date 3/27/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	84.9	%			1	5021		3/29/2017	NJC	1
Organic										
General										
Diesel Range Organics	886	mg/kg	1.16	3.7	1	DRO95		4/4/2017	MJR	1 78

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

Code	*Comment*
1	Laboratory QC within limits.
78	DRO chromatogram indicates possible mineral spirits contamination.

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 2910

Page 1 of 1

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)	
Project (Name / Location):	Maron Property / Beaver Dam
Reports To:	Karen Maron
Company	
Address	7420 W. Drummond St.
City State Zip	Iron River, WI 54847
Phone	
FAX	
Invoice To:	Karen Maron
Company	c/o METCO
Address	709 Gillette St, Ste. 3
City State Zip	La Crosse, WI 54603
Phone	
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)	8-RCRA METALS	PID/ FID
503246TH	HA-2	3-27	1000		X		1	S	—	X														

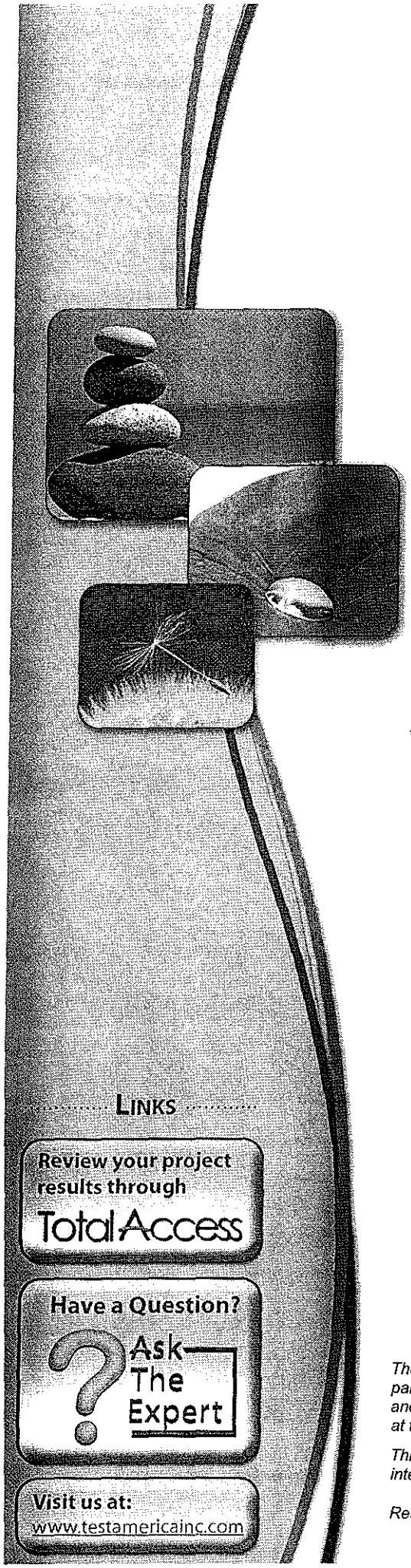
Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

Lab to send copy of Report to METCO / Jason P. (Invoice to METCO)
* MRL 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
	4:00 PM	3-27-17			

Received in Laboratory By: [signature] Time: 8:00 Date: 3/29/17



LINKS

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TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403
Tel: (802)660-1990

TestAmerica Job ID: 200-38604-1
Client Project/Site: Metco-Maron Property - 25217099

For:
SCS Engineers
2830 Dairy Dr
Madison, Wisconsin 53718

Attn: Mr. Eric Oelkers

Sandie Fredrick

Authorized for release by:
5/23/2017 2:49:48 PM

Sandie Fredrick, Project Manager II
(920)261-1660
sandie.fredrick@testamericainc.com

Table of Contents

Qualifiers

Air - GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: SCS Engineers
Project/Site: Metco-Maron Property - 25217099

TestAmerica Job ID: 200-38604-1

Job ID: 200-38604-1

Laboratory: TestAmerica Burlington

Narrative

Job Narrative
200-38604-1

Comments
No additional comments.

Receipt
The samples were received on 5/17/2017 10:35 AM; the samples arrived in good condition, properly preserved and, where required, on ice.

Air Toxics
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: SCS Engineers
Project/Site: Metco-Maron Property - 25217099

TestAmerica Job ID: 200-38604-1

Client Sample ID: SS-1

Lab Sample ID: 200-38604-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.2		0.40	0.058	ppb v/v	2		TO-15	Total/NA
Ethylbenzene	17		0.40	0.040	ppb v/v	2		TO-15	Total/NA
m-Xylene & p-Xylene	57		1.6	0.050	ppb v/v	2		TO-15	Total/NA
Naphthalene	0.13	J	1.0	0.060	ppb v/v	2		TO-15	Total/NA
o-Xylene	16		0.40	0.036	ppb v/v	2		TO-15	Total/NA
Toluene	3.4		0.40	0.050	ppb v/v	2		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.52		0.40	0.032	ppb v/v	2		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.15	J	0.40	0.038	ppb v/v	2		TO-15	Total/NA
Xylenes, Total	73		0.40	0.082	ppb v/v	2		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	3.8		1.3	0.19	ug/m3	2		TO-15	Total/NA
Ethylbenzene	74		1.7	0.17	ug/m3	2		TO-15	Total/NA
m-Xylene & p-Xylene	250		6.9	0.22	ug/m3	2		TO-15	Total/NA
Naphthalene	0.67	J	5.2	0.31	ug/m3	2		TO-15	Total/NA
o-Xylene	68		1.7	0.16	ug/m3	2		TO-15	Total/NA
Toluene	13		1.5	0.19	ug/m3	2		TO-15	Total/NA
1,2,4-Trimethylbenzene	2.6		2.0	0.16	ug/m3	2		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.72	J	2.0	0.19	ug/m3	2		TO-15	Total/NA
Xylenes, Total	320		1.7	0.36	ug/m3	2		TO-15	Total/NA

Client Sample ID: SS-2

Lab Sample ID: 200-38604-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.4		0.20	0.029	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	0.79		0.20	0.020	ppb v/v	1		TO-15	Total/NA
m-Xylene & p-Xylene	1.8		0.80	0.025	ppb v/v	1		TO-15	Total/NA
Naphthalene	0.20	J	0.50	0.030	ppb v/v	1		TO-15	Total/NA
o-Xylene	0.56		0.20	0.018	ppb v/v	1		TO-15	Total/NA
Toluene	3.6		0.20	0.025	ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.42		0.20	0.016	ppb v/v	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.13	J	0.20	0.019	ppb v/v	1		TO-15	Total/NA
Xylenes, Total	2.4		0.20	0.041	ppb v/v	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	4.4		0.64	0.093	ug/m3	1		TO-15	Total/NA
Ethylbenzene	3.4		0.87	0.087	ug/m3	1		TO-15	Total/NA
m-Xylene & p-Xylene	7.9		3.5	0.11	ug/m3	1		TO-15	Total/NA
Naphthalene	1.0	J	2.6	0.16	ug/m3	1		TO-15	Total/NA
o-Xylene	2.4		0.87	0.078	ug/m3	1		TO-15	Total/NA
Toluene	14		0.75	0.094	ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	2.1		0.98	0.079	ug/m3	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.64	J	0.98	0.093	ug/m3	1		TO-15	Total/NA
Xylenes, Total	10		0.87	0.18	ug/m3	1		TO-15	Total/NA

Client Sample ID: SS-3

Lab Sample ID: 200-38604-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.88		0.20	0.029	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	1.8		0.20	0.020	ppb v/v	1		TO-15	Total/NA
m-Xylene & p-Xylene	3.9		0.80	0.025	ppb v/v	1		TO-15	Total/NA
Naphthalene	0.26	J	0.50	0.030	ppb v/v	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SS-3 (Continued)

Lab Sample ID: 200-38604-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
o-Xylene	2.1		0.20	0.018	ppb v/v	1		TO-15	Total/NA
Toluene	2.9		0.20	0.025	ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	1.3		0.20	0.016	ppb v/v	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.37		0.20	0.019	ppb v/v	1		TO-15	Total/NA
Xylenes, Total	6.0		0.20	0.041	ppb v/v	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	2.8		0.64	0.093	ug/m3	1		TO-15	Total/NA
Ethylbenzene	7.9		0.87	0.087	ug/m3	1		TO-15	Total/NA
m-Xylene & p-Xylene	17		3.5	0.11	ug/m3	1		TO-15	Total/NA
Naphthalene	1.4	J	2.6	0.16	ug/m3	1		TO-15	Total/NA
o-Xylene	8.9		0.87	0.078	ug/m3	1		TO-15	Total/NA
Toluene	11		0.75	0.094	ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	6.5		0.98	0.079	ug/m3	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	1.8		0.98	0.093	ug/m3	1		TO-15	Total/NA
Xylenes, Total	26		0.87	0.18	ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SS-1

Lab Sample ID: 200-38604-1
Matrix: Air

Date Collected: 05/16/17 10:28
Date Received: 05/17/17 10:35
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.2		0.40	0.058	ppb v/v			05/20/17 08:14	2
Ethylbenzene	17		0.40	0.040	ppb v/v			05/20/17 08:14	2
Methyl tert-butyl ether	<0.044		2.0	0.044	ppb v/v			05/20/17 08:14	2
m-Xylene & p-Xylene	57		1.6	0.050	ppb v/v			05/20/17 08:14	2
Naphthalene	0.13	J	1.0	0.060	ppb v/v			05/20/17 08:14	2
o-Xylene	16		0.40	0.036	ppb v/v			05/20/17 08:14	2
Toluene	3.4		0.40	0.050	ppb v/v			05/20/17 08:14	2
1,2,4-Trimethylbenzene	0.52		0.40	0.032	ppb v/v			05/20/17 08:14	2
1,3,5-Trimethylbenzene	0.15	J	0.40	0.038	ppb v/v			05/20/17 08:14	2
Xylenes, Total	73		0.40	0.082	ppb v/v			05/20/17 08:14	2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	3.8		1.3	0.19	ug/m3			05/20/17 08:14	2
Ethylbenzene	74		1.7	0.17	ug/m3			05/20/17 08:14	2
Methyl tert-butyl ether	<0.16		7.2	0.16	ug/m3			05/20/17 08:14	2
m-Xylene & p-Xylene	250		6.9	0.22	ug/m3			05/20/17 08:14	2
Naphthalene	0.67	J	5.2	0.31	ug/m3			05/20/17 08:14	2
o-Xylene	68		1.7	0.16	ug/m3			05/20/17 08:14	2
Toluene	13		1.5	0.19	ug/m3			05/20/17 08:14	2
1,2,4-Trimethylbenzene	2.6		2.0	0.16	ug/m3			05/20/17 08:14	2
1,3,5-Trimethylbenzene	0.72	J	2.0	0.19	ug/m3			05/20/17 08:14	2
Xylenes, Total	320		1.7	0.36	ug/m3			05/20/17 08:14	2

Client Sample ID: SS-2

Lab Sample ID: 200-38604-2
Matrix: Air

Date Collected: 05/16/17 11:05
Date Received: 05/17/17 10:35
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.4		0.20	0.029	ppb v/v			05/19/17 15:46	1
Ethylbenzene	0.79		0.20	0.020	ppb v/v			05/19/17 15:46	1
Methyl tert-butyl ether	<0.022		1.0	0.022	ppb v/v			05/19/17 15:46	1
m-Xylene & p-Xylene	1.8		0.80	0.025	ppb v/v			05/19/17 15:46	1
Naphthalene	0.20	J	0.50	0.030	ppb v/v			05/19/17 15:46	1
o-Xylene	0.56		0.20	0.018	ppb v/v			05/19/17 15:46	1
Toluene	3.6		0.20	0.025	ppb v/v			05/19/17 15:46	1
1,2,4-Trimethylbenzene	0.42		0.20	0.016	ppb v/v			05/19/17 15:46	1
1,3,5-Trimethylbenzene	0.13	J	0.20	0.019	ppb v/v			05/19/17 15:46	1
Xylenes, Total	2.4		0.20	0.041	ppb v/v			05/19/17 15:46	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	4.4		0.64	0.093	ug/m3			05/19/17 15:46	1
Ethylbenzene	3.4		0.87	0.087	ug/m3			05/19/17 15:46	1
Methyl tert-butyl ether	<0.079		3.6	0.079	ug/m3			05/19/17 15:46	1
m-Xylene & p-Xylene	7.9		3.5	0.11	ug/m3			05/19/17 15:46	1
Naphthalene	1.0	J	2.6	0.16	ug/m3			05/19/17 15:46	1
o-Xylene	2.4		0.87	0.078	ug/m3			05/19/17 15:46	1
Toluene	14		0.75	0.094	ug/m3			05/19/17 15:46	1
1,2,4-Trimethylbenzene	2.1		0.98	0.079	ug/m3			05/19/17 15:46	1

Client Sample ID: SS-2

Lab Sample ID: 200-38604-2

Date Collected: 05/16/17 11:05
Matrix: Air
Date Received: 05/17/17 10:35
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	0.64	J	0.98	0.093	ug/m3			05/19/17 15:46	1
Xylenes, Total	10		0.87	0.18	ug/m3			05/19/17 15:46	1

Client Sample ID: SS-3

Lab Sample ID: 200-38604-3

Date Collected: 05/16/17 11:34
Matrix: Air
Date Received: 05/17/17 10:35
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.88		0.20	0.029	ppb v/v			05/19/17 16:36	1
Ethylbenzene	1.8		0.20	0.020	ppb v/v			05/19/17 16:36	1
Methyl tert-butyl ether	<0.022		1.0	0.022	ppb v/v			05/19/17 16:36	1
m-Xylene & p-Xylene	3.9		0.80	0.025	ppb v/v			05/19/17 16:36	1
Naphthalene	0.26	J	0.50	0.030	ppb v/v			05/19/17 16:36	1
o-Xylene	2.1		0.20	0.018	ppb v/v			05/19/17 16:36	1
Toluene	2.9		0.20	0.025	ppb v/v			05/19/17 16:36	1
1,2,4-Trimethylbenzene	1.3		0.20	0.016	ppb v/v			05/19/17 16:36	1
1,3,5-Trimethylbenzene	0.37		0.20	0.019	ppb v/v			05/19/17 16:36	1
Xylenes, Total	6.0		0.20	0.041	ppb v/v			05/19/17 16:36	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	2.8		0.64	0.093	ug/m3			05/19/17 16:36	1
Ethylbenzene	7.9		0.87	0.087	ug/m3			05/19/17 16:36	1
Methyl tert-butyl ether	<0.079		3.6	0.079	ug/m3			05/19/17 16:36	1
m-Xylene & p-Xylene	17		3.5	0.11	ug/m3			05/19/17 16:36	1
Naphthalene	1.4	J	2.6	0.16	ug/m3			05/19/17 16:36	1
o-Xylene	8.9		0.87	0.078	ug/m3			05/19/17 16:36	1
Toluene	11		0.75	0.094	ug/m3			05/19/17 16:36	1
1,2,4-Trimethylbenzene	6.5		0.98	0.079	ug/m3			05/19/17 16:36	1
1,3,5-Trimethylbenzene	1.8		0.98	0.093	ug/m3			05/19/17 16:36	1
Xylenes, Total	26		0.87	0.18	ug/m3			05/19/17 16:36	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Lab Sample ID: MB 200-116827/4
Matrix: Air
Analysis Batch: 116827

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.029		0.20	0.029	ppb v/v			05/19/17 11:58	1
Ethylbenzene	<0.020		0.20	0.020	ppb v/v			05/19/17 11:58	1
Methyl tert-butyl ether	<0.022		1.0	0.022	ppb v/v			05/19/17 11:58	1
m-Xylene & p-Xylene	<0.025		0.80	0.025	ppb v/v			05/19/17 11:58	1
Naphthalene	<0.030		0.50	0.030	ppb v/v			05/19/17 11:58	1
o-Xylene	<0.018		0.20	0.018	ppb v/v			05/19/17 11:58	1
Toluene	<0.025		0.20	0.025	ppb v/v			05/19/17 11:58	1
1,2,4-Trimethylbenzene	<0.016		0.20	0.016	ppb v/v			05/19/17 11:58	1
1,3,5-Trimethylbenzene	<0.019		0.20	0.019	ppb v/v			05/19/17 11:58	1
Xylenes, Total	<0.041		0.20	0.041	ppb v/v			05/19/17 11:58	1

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.093		0.64	0.093	ug/m3			05/19/17 11:58	1
Ethylbenzene	<0.087		0.87	0.087	ug/m3			05/19/17 11:58	1
Methyl tert-butyl ether	<0.079		3.6	0.079	ug/m3			05/19/17 11:58	1
m-Xylene & p-Xylene	<0.11		3.5	0.11	ug/m3			05/19/17 11:58	1
Naphthalene	<0.16		2.6	0.16	ug/m3			05/19/17 11:58	1
o-Xylene	<0.078		0.87	0.078	ug/m3			05/19/17 11:58	1
Toluene	<0.094		0.75	0.094	ug/m3			05/19/17 11:58	1
1,2,4-Trimethylbenzene	<0.079		0.98	0.079	ug/m3			05/19/17 11:58	1
1,3,5-Trimethylbenzene	<0.093		0.98	0.093	ug/m3			05/19/17 11:58	1
Xylenes, Total	<0.18		0.87	0.18	ug/m3			05/19/17 11:58	1

Lab Sample ID: LCS 200-116827/3
Matrix: Air
Analysis Batch: 116827

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	10.0	12.5		ppb v/v		125	67 - 127
Ethylbenzene	10.0	10.6		ppb v/v		106	68 - 128
Methyl tert-butyl ether	10.0	9.91		ppb v/v		99	67 - 127
m-Xylene & p-Xylene	20.0	21.1		ppb v/v		105	68 - 128
Naphthalene	10.0	10.3		ppb v/v		103	50 - 121
o-Xylene	10.0	10.3		ppb v/v		103	67 - 127
Toluene	10.0	10.8		ppb v/v		108	67 - 127
1,2,4-Trimethylbenzene	10.0	10.3		ppb v/v		103	65 - 125
1,3,5-Trimethylbenzene	10.0	10.3		ppb v/v		103	65 - 125

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	32	40.0		ug/m3		125	67 - 127
Ethylbenzene	43	46.2		ug/m3		106	68 - 128
Methyl tert-butyl ether	36	35.7		ug/m3		99	67 - 127
m-Xylene & p-Xylene	87	91.6		ug/m3		105	68 - 128
Naphthalene	52	53.9		ug/m3		103	50 - 121
o-Xylene	43	44.8		ug/m3		103	67 - 127
Toluene	38	40.6		ug/m3		108	67 - 127
1,2,4-Trimethylbenzene	49	50.8		ug/m3		103	65 - 125
1,3,5-Trimethylbenzene	49	50.4		ug/m3		103	65 - 125

QC Association Summary

Client: SCS Engineers
Project/Site: Metco-Maron Property - 25217099

TestAmerica Job ID: 200-38604-1

Air - GC/MS VOA

Analysis Batch: 116827

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-38604-1	SS-1	Total/NA	Air	TO-15	
200-38604-2	SS-2	Total/NA	Air	TO-15	
200-38604-3	SS-3	Total/NA	Air	TO-15	
MB 200-116827/4	Method Blank	Total/NA	Air	TO-15	
LCS 200-116827/3	Lab Control Sample	Total/NA	Air	TO-15	

Lab Chronicle

Client: SCS Engineers
Project/Site: Metco-Maron Property - 25217099

TestAmerica Job ID: 200-38604-1

Client Sample ID: SS-1

Date Collected: 05/16/17 10:28
Date Received: 05/17/17 10:35

Lab Sample ID: 200-38604-1

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		2	116827	05/20/17 08:14	K1P	TAL BUR

Client Sample ID: SS-2

Date Collected: 05/16/17 11:05
Date Received: 05/17/17 10:35

Lab Sample ID: 200-38604-2

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	116827	05/19/17 15:46	K1P	TAL BUR

Client Sample ID: SS-3

Date Collected: 05/16/17 11:34
Date Received: 05/17/17 10:35

Lab Sample ID: 200-38604-3

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	116827	05/19/17 16:36	K1P	TAL BUR

Laboratory References:

TAL BUR = TestAmerica Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Accreditation/Certification Summary

Client: SCS Engineers
Project/Site: Metco-Maron Property - 25217099

TestAmerica Job ID: 200-38604-1

Laboratory: TestAmerica Burlington

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
Connecticut	State Program	1	PH-0751	09-30-17
DE Haz. Subst. Cleanup Act (HSCA)	State Program	3	NA	02-02-18
Florida	NELAP	4	E87467	06-30-17 *
L-A-B	DoD ELAP		L2336	02-25-20
Maine	State Program	1	VT00008	04-17-19
Minnesota	NELAP	5	050-999-436	12-31-17
New Hampshire	NELAP	1	2006	12-18-17
New Jersey	NELAP	2	VT972	06-30-17 *
New York	NELAP	2	10391	04-01-18
Pennsylvania	NELAP	3	68-00489	04-30-18
Rhode Island	State Program	1	LAO00298	12-30-17
US Fish & Wildlife	Federal		LE-058448-0	10-31-17
USDA	Federal		P330-11-00093	12-05-19
Vermont	State Program	1	VT-4000	12-31-17
Virginia	NELAP	3	460209	12-14-17

Laboratory: TestAmerica Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
Wisconsin	State Program	5	999580010	08-31-17

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: SCS Engineers
Project/Site: Metco-Maron Property - 25217099

TestAmerica Job ID: 200-38604-1

Method	Method Description	Protocol	Laboratory
TO-15	Volatile Organic Compounds in Ambient Air	EPA	TAL BUR

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

TAL BUR = TestAmerica Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Sample Summary

Client: SCS Engineers
Project/Site: Metco-Maron Property - 25217099

TestAmerica Job ID: 200-38604-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
200-38604-1	SS-1	Air	05/16/17 10:28	05/17/17 10:35
200-38604-2	SS-2	Air	05/16/17 11:05	05/17/17 10:35
200-38604-3	SS-3	Air	05/16/17 11:34	05/17/17 10:35

TestAmerica Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403
phone 802-660-1990 fax 802-660-1919

Canister Samples Chain of Custody Record

TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection and shipment of these samples.

Client Contact Information	Project Manager: Eric Oelkers	Samples Collected By: NJH	1 of 1 COCs
Company: SCS Engineers	Phone: 608-216-7391		
Address: 2830 Dairy Drive	Email: EOelkers@scsengineers.com		
City/State/Zip: Madison, WI 53718			
Phone: 608-224-2830	Site Contact:		
FAX:	TA Contact: Sandie Fredrick		
Project Name: Metro-Mayer Property	**Analysis Turnaround Time**		
Site: Beaver Dam	Standard (Specify) 7 days		
PO # 25217099	Rush (Specify)		

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15 PVOC+N	MA-APH	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SS-1	5-16-17	957	1028	-30	-7	5595	5961	X											
SS-2	5-16-17	1035	1105	-28	-5	6074	4279	X											
SS-3	5-16-17	1104	1134	-30	-6	6085	2669	X											

Temperature (Fahrenheit)	Interior	Ambient
Start	70	66
Stop	70	74

Pressure (inches of Hg)	Interior	Ambient
Start	N/A	29.73
Stop	N/A	29.68

200-38604 Chain of Custody

Special Instructions/QC Requirements & Comments:

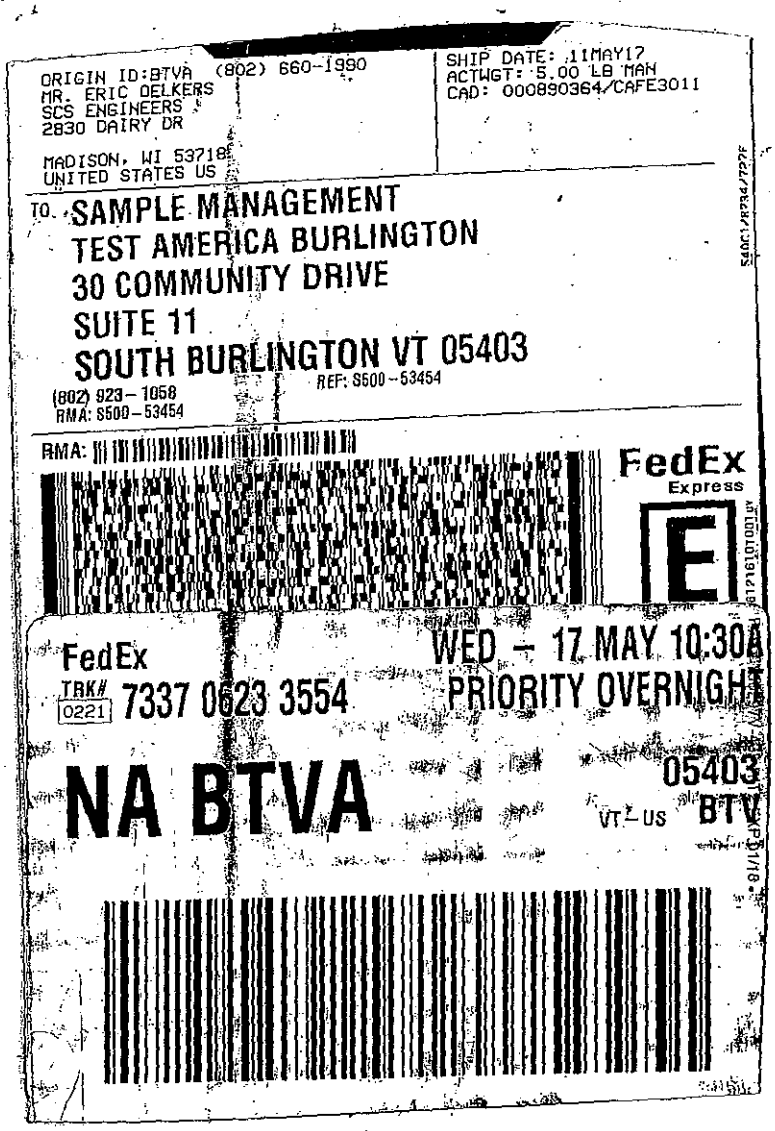
Analysis → TO-15, PVOC+N

SS-1 = 3080 ppb
SS-2 = 570 ppb
SS-3 = 1559 ppb

Samples Shipped by: Nate Harms	Date/Time: 5-16-17 1500	Samples Received by:
Samples Relinquished by:	Date/Time:	Received by: 5/17/17 1035
Relinquished by:	Date/Time:	Received by:

Lab Use Only Shipper Name: FED Opened by: Condition: INTACT

5/23/2017



ORIGIN ID:BTVA (802) 660-1990
MR. ERIC DELKERS
SCS ENGINEERS
2830 DAIRY DR

MADISON, WI 53718
UNITED STATES US

SHIP DATE: 11MAY17
ACTWGT: 5.00 LB MAN
CAD: 000890364/CAFE3011

TO SAMPLE MANAGEMENT
TEST AMERICA BURLINGTON
30 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403
(802) 923-1658
RMA: S500-53454

REF: S500-53454

RMA:

FedEx Express

FedEx
TRK# 0221 7337 0623 3554

WED - 17 MAY 10:30A
PRIORITY OVERNIGHT

NA BTVA

05403
VT-US BTV

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 200-38604-1

Login Number: 38604
List Number: 1
Creator: Hahl, Victoria L

List Source: TestAmerica Burlington

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	Not present
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	N/A	Thermal preservation not required.
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Pre-Shipment Clean Canister Certification Report

Canister Cleaning & Pre-Shipment Leak Test

System ID	# Cycles	Cleaning Date	Technician	Canister Size		Certification Type:	
Bottom Rack	20	5/1/2017	SML	1L	6L	Batch	Individual

Port	Can ID	Initial[1] ("Hg)	Final ("Hg)	Adj. Initial[2] ("Hg)	Diff.[3]	Initial Reading Gauge:	Date:	Time:	Tech:	BP:	Temp:	Final Reading Gauge:	Date:	Time:	Tech:	BP:	Temp:
1	5124	-29.1	-29.6	-29.6	0	G22	5/2/17	1045	SL	29.0	22	G22	5/9/17	1620	←	-29.5	22
2	2669		-29.6		0												
3	3337		-29.6		0												
4	4826		-29.6		0												
5	4279		-29.3		+0.3												
6	5961		-29.6		0												
7	5113		-29.6		0												
8	2919		-29.6		0												
9	5623		-29.6		0												
10	5415	↓	-29.6	↓	0	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
11	4356	-29.6	-29.6	-29.6	0	G22	5/9/17	1200	←	29.5	22	↓	5/10/17	0220	←	-29.5	22
12	4810	-29.1	-29.6	-29.6	0	G22	5/2/17	1045	←	29.0	22	G22	5/9/17	1620	←	29.5	22

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[2] Adjusted Initial Pressure = Initial Pressure + (Initial BP - Final BP).

[3] Difference = Final Pressure - Adjusted Initial Pressure . Acceptance Criteria: (1) The difference must be less than or equal to + 0.5. (2) Pressure readings must be at least 24 hours apart.

If time frame was not met, the PM must authorize shipment of canister PM Authorization Signature: Date:

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ≤ TO15 Routine ≤ TO15 LL ≤ NJDEP-LL TO15

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Limited	Secondary Review Date	Reviewer
4356	5/04/17	24958	KP		XXXX				5/04/17	PAD

Inventory Level 1: Individual Canister Certification (TO15LL 0.01).

Inventory Level 2: Individual or Batch Certification (TO15 0.04 ppbv).

Inventory Level 3: Individual or Batch Certification (TO15 0.2 ppbv).

Inventory Level 4: Individual or Batch Certification (TO15LLNJ 0.08 ppbv).

Inventory Level Limited: Canisters may only be used for certain projects.

Comments:

FAI023:04.13.16:9

TestAmerica Burlington

5/23/2017

200-38420-A-11
4356
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 5/1/2017 12:00 AM 200-1034706

Loc: 200
38420
#11
A

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-38420-1

SDG No.:

Client Sample ID: 4356 | Lab Sample ID: 200-38420-11

Matrix: Air | Lab File ID: 24958_06.D

Analysis Method: TO-15 | Date Collected: 05/01/2017 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 05/03/2017 12:58

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 116331 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.080	U	0.080	0.080
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-38420-1

SDG No.:

Client Sample ID: 4356 | Lab Sample ID: 200-38420-11

Matrix: Air | Lab File ID: 24958_06.D

Analysis Method: TO-15 | Date Collected: 05/01/2017 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 05/03/2017 12:58

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 116331 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.14	U	0.14	0.14
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-38420-1

SDG No.:

Client Sample ID: 4356 | Lab Sample ID: 200-38420-11

Matrix: Air | Lab File ID: 24958_06.D

Analysis Method: TO-15 | Date Collected: 05/01/2017 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 05/03/2017 12:58

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 116331 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington
Target Compound Quantitation Report

Data File:	\\ChromNA\Burlington\ChromData\CHC.i\20170503-24958.b\24958_06.D				
Lims ID:	200-38420-A-11				
Client ID:	4356				
Sample Type:	Client				
Inject. Date:	03-May-2017 12:58:30	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Sample Info:	200-0024958-006				
Misc. Info.:	38420-11				
Operator ID:	wrd	Instrument ID:	CHC.i		
Method:	\\ChromNA\Burlington\ChromData\CHC.i\20170503-24958.b\TO15_MasterMethod_(v1)_CHC.i.m				
Limit Group:	AI_TO15_ICAL				
Last Update:	04-May-2017 08:22:18	Calib Date:	14-Apr-2017 00:49:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Burlington\ChromData\CHC.i\20170413-24730.b\24730_11.D				
Column 1 :	RTX-624 (0.32 mm)		Det: MS SCAN		
Process Host:	XAWRK034				

First Level Reviewer: puangmaleek Date: 04-May-2017 08:22:17

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41		2.989				ND	
2 Dichlorodifluoromethane	85		3.058				ND	
3 Chlorodifluoromethane	51		3.106				ND	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.320				ND	
5 Chloromethane	50		3.453				ND	
6 Butane	43		3.656				ND	
7 Vinyl chloride	62		3.699				ND	
8 Butadiene	54		3.773				ND	
10 Bromomethane	94		4.456				ND	
11 Chloroethane	64		4.697				ND	
13 Vinyl bromide	106		5.086				ND	
14 Trichlorofluoromethane	101		5.198				ND	
17 Ethanol	45		5.796				ND	
20 1,1,2-Trichloro-1,2,2-trif	101		6.298				ND	
21 1,1-Dichloroethene	96		6.330				ND	
22 Acetone	43		6.564				ND	
23 Carbon disulfide	76		6.703				ND	
24 Isopropyl alcohol	45		6.890				ND	
25 3-Chloro-1-propene	41		7.125				ND	
27 Methylene Chloride	49		7.424				ND	
28 2-Methyl-2-propanol	59		7.669				ND	
29 Methyl tert-butyl ether	73		7.840				ND	
31 trans-1,2-Dichloroethene	61		7.872				ND	
33 Hexane	57		8.272				ND	
34 1,1-Dichloroethane	63		8.753				ND	
35 Vinyl acetate	43		8.838				ND	
37 cis-1,2-Dichloroethene	96		9.873				ND	
38 2-Butanone (MEK)	72		9.921				ND	
39 Ethyl acetate	88		9.985				ND	
S 30 1,2-Dichloroethene, Total	61		10.200				ND	
* 40 Chlorobromomethane	128	10.332	10.338	-0.006	97	343344	10.0	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	41 Tetrahydrofuran	42		10.343				ND	
	42 Chloroform	83		10.487				ND	
	43 Cyclohexane	84		10.727				ND	
	44 1,1,1-Trichloroethane	97		10.749				ND	
	45 Carbon tetrachloride	117		10.999				ND	
	46 Isooctane	57		11.453				ND	
	47 Benzene	78		11.469				ND	
	48 1,2-Dichloroethane	62		11.656				ND	
	49 n-Heptane	43		11.859				ND	
*	50 1,4-Difluorobenzene	114	12.328	12.334	-0.006	96	1785179	10.0	
	53 Trichloroethene	95		12.798				ND	
	54 1,2-Dichloropropane	63		13.353				ND	
	55 Methyl methacrylate	69		13.545				ND	
	56 1,4-Dioxane	88		13.588				ND	
	57 Dibromomethane	174		13.620				ND	
	58 Dichlorobromomethane	83		13.929				ND	
	60 cis-1,3-Dichloropropene	75		14.874				ND	
	61 4-Methyl-2-pentanone (MIBK	43		15.162				ND	
	65 Toluene	92		15.466				ND	
	66 trans-1,3-Dichloropropene	75		16.075				ND	
	67 1,1,2-Trichloroethane	83		16.448				ND	
	68 Tetrachloroethene	166		16.560				ND	
	69 2-Hexanone	43		16.897				ND	
	71 Chlorodibromomethane	129		17.206				ND	
	72 Ethylene Dibromide	107		17.473				ND	
*	74 Chlorobenzene-d5	117	18.370	18.375	-0.005	94	1535670	10.0	
	75 Chlorobenzene	112		18.434				ND	
	76 Ethylbenzene	91		18.588				ND	
	78 m-Xylene & p-Xylene	106		18.839				ND	
	79 o-Xylene	106		19.672				ND	
	80 Styrene	104		19.725				ND	
S	73 Xylenes, Total	106		20.100				ND	
	81 Bromoform	173		20.158				ND	
	82 Isopropylbenzene	105		20.371				ND	
	84 1,1,2,2-Tetrachloroethane	83		21.038				ND	
	85 N-Propylbenzene	91		21.108				ND	
	88 4-Ethyltoluene	105		21.300				ND	
	89 2-Chlorotoluene	91		21.305				ND	
	90 1,3,5-Trimethylbenzene	105		21.406				ND	
	92 tert-Butylbenzene	119		21.897				ND	
	93 1,2,4-Trimethylbenzene	105		21.993				ND	
	94 sec-Butylbenzene	105		22.223				ND	
	95 4-Isopropyltoluene	119		22.426				ND	
	96 1,3-Dichlorobenzene	146		22.458				ND	
	97 1,4-Dichlorobenzene	146		22.591				ND	
	98 Benzyl chloride	91		22.783				ND	
	100 n-Butylbenzene	91		22.991				ND	
	101 1,2-Dichlorobenzene	146		23.114				ND	
	103 1,2,4-Trichlorobenzene	180	25.532	25.548	-0.016	84	1244	0.0316	
	104 Hexachlorobutadiene	225		25.735				ND	
	105 Naphthalene	128	26.007	26.012	-0.005	1	2244	0.0266	

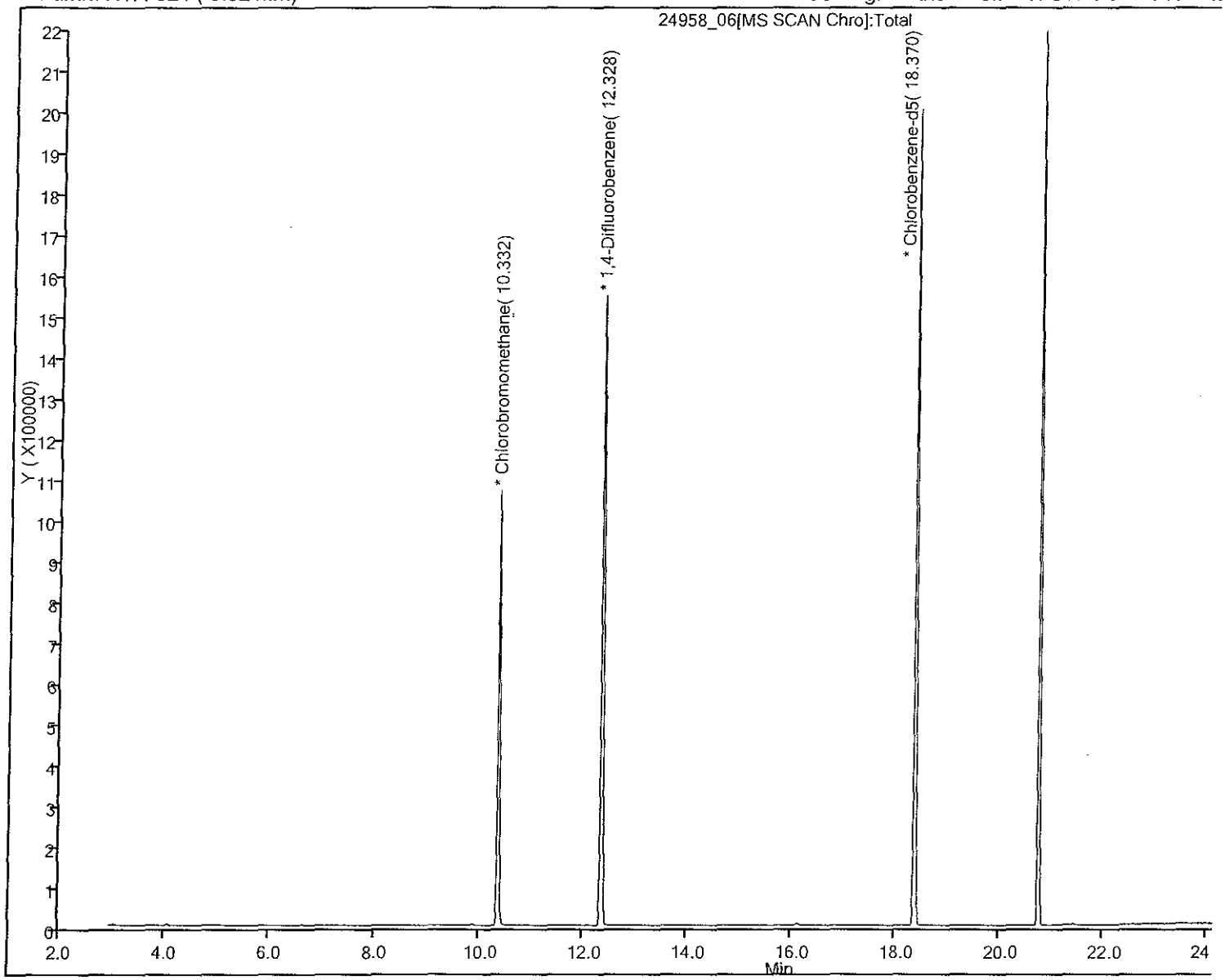
Reagents:

ATTO15CISs_00010 Amount Added: 20.00 Units: mL Run Reagent

Report Date: 04-May-2017 08:22:19 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHC.i\20170503-24958.b\24958_06.D			
Injection Date:	03-May-2017 12:58:30	Instrument ID:	CHC.i	Operator ID:
Lims ID:	200-38420-A-11	Lab Sample ID:	200-38420-11	Worklist Smp
Client ID:	4356			
Purge Vol:	200.000 mL	Dil. Factor:	0.2000	ALS Bottle#:
Method:	TO15_MasterMethod_(v1)_CHC.i	Limit Group:	AI_TO15_ICAL	
Column: RTX-624 (0.32 mm)			Y Scaling: Method Defined: Scale to the Nth La	



Synergy Environmental Lab,

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

KAREN MARON
KAREN MARON
7420 W. DRUMMOMD STREET
IRON RIVER, WI 54847

Report Date *08-May-17*

Project Name MARON PROPERTY **Invoice #** E32824
Project #

Lab Code 5032824A
Sample ID EX-1
Sample Matrix Soil
Sample Date 4/25/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	85.0	%			1	5021		4/27/2017	NJC	I
Organic										
PAH SIM										
Acenaphthene	< 0.0151	mg/kg	0.0151	0.0481	1	M8270C	5/4/2017	5/4/2017	NJC	I
Acenaphthylene	< 0.0159	mg/kg	0.0159	0.0508	1	M8270C	5/4/2017	5/4/2017	NJC	I
Anthracene	< 0.0109	mg/kg	0.0109	0.0345	1	M8270C	5/4/2017	5/4/2017	NJC	I
Benzo(a)anthracene	< 0.0116	mg/kg	0.0116	0.037	1	M8270C	5/4/2017	5/4/2017	NJC	I
Benzo(a)pyrene	< 0.0113	mg/kg	0.0113	0.0359	1	M8270C	5/4/2017	5/4/2017	NJC	I
Benzo(b)fluoranthene	< 0.013	mg/kg	0.013	0.041	1	M8270C	5/4/2017	5/4/2017	NJC	I
Benzo(g,h,i)perylene	< 0.0114	mg/kg	0.0114	0.036	1	M8270C	5/4/2017	5/4/2017	NJC	I
Benzo(k)fluoranthene	< 0.0147	mg/kg	0.0147	0.0469	1	M8270C	5/4/2017	5/4/2017	NJC	I
Chrysene	< 0.0121	mg/kg	0.0121	0.0383	1	M8270C	5/4/2017	5/4/2017	NJC	I
Dibenzo(a,h)anthracene	< 0.0078	mg/kg	0.0078	0.0251	1	M8270C	5/4/2017	5/4/2017	NJC	I
Fluoranthene	< 0.0147	mg/kg	0.0147	0.0469	1	M8270C	5/4/2017	5/4/2017	NJC	I
Fluorene	< 0.0179	mg/kg	0.0179	0.057	1	M8270C	5/4/2017	5/4/2017	NJC	I
Indeno(1,2,3-cd)pyrene	< 0.0114	mg/kg	0.0114	0.0362	1	M8270C	5/4/2017	5/4/2017	NJC	I
1-Methyl naphthalene	< 0.0203	mg/kg	0.0203	0.0645	1	M8270C	5/4/2017	5/4/2017	NJC	I
2-Methyl naphthalene	< 0.0113	mg/kg	0.0113	0.0358	1	M8270C	5/4/2017	5/4/2017	NJC	I
Naphthalene	< 0.0153	mg/kg	0.0153	0.0486	1	M8270C	5/4/2017	5/4/2017	NJC	I
Phenanthrene	< 0.0111	mg/kg	0.0111	0.0352	1	M8270C	5/4/2017	5/4/2017	NJC	I
Pyrene	< 0.0153	mg/kg	0.0153	0.0487	1	M8270C	5/4/2017	5/4/2017	NJC	I
PVOC										
Benzene	< 0.025	mg/kg	0.019	0.06	1	GRO95/8021		4/27/2017	TCC	I
Ethylbenzene	< 0.025	mg/kg	0.01	0.032	1	GRO95/8021		4/27/2017	TCC	I
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.0079	0.025	1	GRO95/8021		4/27/2017	TCC	I
Toluene	< 0.025	mg/kg	0.014	0.046	1	GRO95/8021		4/27/2017	TCC	I
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.01	0.032	1	GRO95/8021		4/27/2017	TCC	I
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.011	0.036	1	GRO95/8021		4/27/2017	TCC	I

Project Name MARON PROPERTY **Invoice #** E32824
Project #

Lab Code 5032824A
Sample ID EX-1
Sample Matrix Soil
Sample Date 4/25/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
m&p-Xylene	< 0.05	mg/kg	0.012	0.037	1	GRO95/8021		4/27/2017	TCC	1
o-Xylene	< 0.025	mg/kg	0.015	0.047	1	GRO95/8021		4/27/2017	TCC	1

Lab Code 5032824B
Sample ID EX-2
Sample Matrix Soil
Sample Date 4/25/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	88.3	%			1	5021		4/27/2017	NJC	1
Organic										
PAH SIM										
Acenaphthene	< 0.0151	mg/kg	0.0151	0.0481	1	M8270C	5/4/2017	5/4/2017	NJC	1
Acenaphthylene	< 0.0159	mg/kg	0.0159	0.0508	1	M8270C	5/4/2017	5/4/2017	NJC	1
Anthracene	0.0276 "J"	mg/kg	0.0109	0.0345	1	M8270C	5/4/2017	5/4/2017	NJC	1
Benzo(a)anthracene	0.129	mg/kg	0.0116	0.037	1	M8270C	5/4/2017	5/4/2017	NJC	1
Benzo(a)pyrene	0.15	mg/kg	0.0113	0.0359	1	M8270C	5/4/2017	5/4/2017	NJC	1
Benzo(b)fluoranthene	0.253	mg/kg	0.013	0.041	1	M8270C	5/4/2017	5/4/2017	NJC	1
Benzo(g,h,i)perylene	0.089	mg/kg	0.0114	0.036	1	M8270C	5/4/2017	5/4/2017	NJC	1
Benzo(k)fluoranthene	0.085	mg/kg	0.0147	0.0469	1	M8270C	5/4/2017	5/4/2017	NJC	1
Chrysene	0.176	mg/kg	0.0121	0.0383	1	M8270C	5/4/2017	5/4/2017	NJC	1
Dibenzo(a,h)anthracene	0.0209 "J"	mg/kg	0.0078	0.0251	1	M8270C	5/4/2017	5/4/2017	NJC	1
Fluoranthene	0.261	mg/kg	0.0147	0.0469	1	M8270C	5/4/2017	5/4/2017	NJC	1
Fluorene	< 0.0179	mg/kg	0.0179	0.057	1	M8270C	5/4/2017	5/4/2017	NJC	1
Indeno(1,2,3-cd)pyrene	0.09	mg/kg	0.0114	0.0362	1	M8270C	5/4/2017	5/4/2017	NJC	1
1-Methyl naphthalene	< 0.0203	mg/kg	0.0203	0.0645	1	M8270C	5/4/2017	5/4/2017	NJC	1
2-Methyl naphthalene	< 0.0113	mg/kg	0.0113	0.0358	1	M8270C	5/4/2017	5/4/2017	NJC	1
Naphthalene	< 0.0153	mg/kg	0.0153	0.0486	1	M8270C	5/4/2017	5/4/2017	NJC	1
Phenanthrene	0.086	mg/kg	0.0111	0.0352	1	M8270C	5/4/2017	5/4/2017	NJC	1
Pyrene	0.225	mg/kg	0.0153	0.0487	1	M8270C	5/4/2017	5/4/2017	NJC	1
PVOC										
Benzene	< 0.025	mg/kg	0.019	0.06	1	GRO95/8021		4/27/2017	TCC	1
Ethylbenzene	< 0.025	mg/kg	0.01	0.032	1	GRO95/8021		4/27/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.0079	0.025	1	GRO95/8021		4/27/2017	TCC	1
Toluene	< 0.025	mg/kg	0.014	0.046	1	GRO95/8021		4/27/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.01	0.032	1	GRO95/8021		4/27/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.011	0.036	1	GRO95/8021		4/27/2017	TCC	1
m&p-Xylene	< 0.05	mg/kg	0.012	0.037	1	GRO95/8021		4/27/2017	TCC	1
o-Xylene	< 0.025	mg/kg	0.015	0.047	1	GRO95/8021		4/27/2017	TCC	1

Project Name MARON PROPERTY **Invoice #** E32824
Project #

Lab Code 5032824C
Sample ID EX-3
Sample Matrix Soil
Sample Date 4/25/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	85.8	%			1	5021		4/27/2017	NJC	1
Organic										
PAH SIM										
Acenaphthene	< 0.0151	mg/kg	0.0151	0.0481	1	M8270C	5/4/2017	5/4/2017	NJC	1
Acenaphthylene	< 0.0159	mg/kg	0.0159	0.0508	1	M8270C	5/4/2017	5/4/2017	NJC	1
Anthracene	< 0.0109	mg/kg	0.0109	0.0345	1	M8270C	5/4/2017	5/4/2017	NJC	1
Benzo(a)anthracene	0.0129 "J"	mg/kg	0.0116	0.037	1	M8270C	5/4/2017	5/4/2017	NJC	1
Benzo(a)pyrene	< 0.0113	mg/kg	0.0113	0.0359	1	M8270C	5/4/2017	5/4/2017	NJC	1
Benzo(b)fluoranthene	0.0251 "J"	mg/kg	0.013	0.041	1	M8270C	5/4/2017	5/4/2017	NJC	1
Benzo(g,h,i)perylene	0.0176 "J"	mg/kg	0.0114	0.036	1	M8270C	5/4/2017	5/4/2017	NJC	1
Benzo(k)fluoranthene	< 0.0147	mg/kg	0.0147	0.0469	1	M8270C	5/4/2017	5/4/2017	NJC	1
Chrysene	< 0.0121	mg/kg	0.0121	0.0383	1	M8270C	5/4/2017	5/4/2017	NJC	1
Dibenzo(a,h)anthracene	< 0.0078	mg/kg	0.0078	0.0251	1	M8270C	5/4/2017	5/4/2017	NJC	1
Fluoranthene	< 0.0147	mg/kg	0.0147	0.0469	1	M8270C	5/4/2017	5/4/2017	NJC	1
Fluorene	< 0.0179	mg/kg	0.0179	0.057	1	M8270C	5/4/2017	5/4/2017	NJC	1
Indeno(1,2,3-cd)pyrene	0.0114 "J"	mg/kg	0.0114	0.0362	1	M8270C	5/4/2017	5/4/2017	NJC	1
1-Methyl naphthalene	0.043 "J"	mg/kg	0.0203	0.0645	1	M8270C	5/4/2017	5/4/2017	NJC	1
2-Methyl naphthalene	0.074	mg/kg	0.0113	0.0358	1	M8270C	5/4/2017	5/4/2017	NJC	1
Naphthalene	0.059	mg/kg	0.0153	0.0486	1	M8270C	5/4/2017	5/4/2017	NJC	1
Phenanthrene	< 0.0111	mg/kg	0.0111	0.0352	1	M8270C	5/4/2017	5/4/2017	NJC	1
Pyrene	< 0.0153	mg/kg	0.0153	0.0487	1	M8270C	5/4/2017	5/4/2017	NJC	1
PVOC										
Benzene	0.036 "J"	mg/kg	0.019	0.06	1	GRO95/8021		4/27/2017	TCC	1
Ethylbenzene	< 0.025	mg/kg	0.01	0.032	1	GRO95/8021		4/27/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.0079	0.025	1	GRO95/8021		4/27/2017	TCC	1
Toluene	0.136	mg/kg	0.014	0.046	1	GRO95/8021		4/27/2017	TCC	1
1,2,4-Trimethylbenzene	0.124	mg/kg	0.01	0.032	1	GRO95/8021		4/27/2017	TCC	1
1,3,5-Trimethylbenzene	0.087	mg/kg	0.011	0.036	1	GRO95/8021		4/27/2017	TCC	1
m&p-Xylene	0.164	mg/kg	0.012	0.037	1	GRO95/8021		4/27/2017	TCC	1
o-Xylene	0.115	mg/kg	0.015	0.047	1	GRO95/8021		4/27/2017	TCC	1

Project Name MARON PROPERTY **Invoice #** E32824
Project #

Lab Code 5032824D
Sample ID EX-4
Sample Matrix Soil
Sample Date 4/25/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	82.8	%			1	5021		4/27/2017	NJC	1
Organic										
PAH SIM										
Acenaphthene	< 0.0151	mg/kg	0.0151	0.0481	1	M8270C	5/4/2017	5/4/2017	NJC	1
Acenaphthylene	0.05 "J"	mg/kg	0.0159	0.0508	1	M8270C	5/4/2017	5/4/2017	NJC	1
Anthracene	0.094	mg/kg	0.0109	0.0345	1	M8270C	5/4/2017	5/4/2017	NJC	1
Benzo(a)anthracene	0.248	mg/kg	0.0116	0.037	1	M8270C	5/4/2017	5/4/2017	NJC	1
Benzo(a)pyrene	0.314	mg/kg	0.0113	0.0359	1	M8270C	5/4/2017	5/4/2017	NJC	1
Benzo(b)fluoranthene	0.47	mg/kg	0.013	0.041	1	M8270C	5/4/2017	5/4/2017	NJC	1
Benzo(g,h,i)perylene	0.217	mg/kg	0.0114	0.036	1	M8270C	5/4/2017	5/4/2017	NJC	1
Benzo(k)fluoranthene	0.15	mg/kg	0.0147	0.0469	1	M8270C	5/4/2017	5/4/2017	NJC	1
Chrysene	0.33	mg/kg	0.0121	0.0383	1	M8270C	5/4/2017	5/4/2017	NJC	1
Dibenzo(a,h)anthracene	0.048	mg/kg	0.0078	0.0251	1	M8270C	5/4/2017	5/4/2017	NJC	1
Fluoranthene	0.57	mg/kg	0.0147	0.0469	1	M8270C	5/4/2017	5/4/2017	NJC	1
Fluorene	0.036 "J"	mg/kg	0.0179	0.057	1	M8270C	5/4/2017	5/4/2017	NJC	1
Indeno(1,2,3-cd)pyrene	0.205	mg/kg	0.0114	0.0362	1	M8270C	5/4/2017	5/4/2017	NJC	1
1-Methyl naphthalene	< 0.0203	mg/kg	0.0203	0.0645	1	M8270C	5/4/2017	5/4/2017	NJC	1
2-Methyl naphthalene	0.0168 "J"	mg/kg	0.0113	0.0358	1	M8270C	5/4/2017	5/4/2017	NJC	1
Naphthalene	< 0.0153	mg/kg	0.0153	0.0486	1	M8270C	5/4/2017	5/4/2017	NJC	1
Phenanthrene	0.31	mg/kg	0.0111	0.0352	1	M8270C	5/4/2017	5/4/2017	NJC	1
Pyrene	0.51	mg/kg	0.0153	0.0487	1	M8270C	5/4/2017	5/4/2017	NJC	1
PVOC										
Benzene	< 0.025	mg/kg	0.019	0.06	1	GRO95/8021		4/27/2017	TCC	1
Ethylbenzene	< 0.025	mg/kg	0.01	0.032	1	GRO95/8021		4/27/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.0079	0.025	1	GRO95/8021		4/27/2017	TCC	1
Toluene	< 0.025	mg/kg	0.014	0.046	1	GRO95/8021		4/27/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.01	0.032	1	GRO95/8021		4/27/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.011	0.036	1	GRO95/8021		4/27/2017	TCC	1
m&p-Xylene	< 0.05	mg/kg	0.012	0.037	1	GRO95/8021		4/27/2017	TCC	1
o-Xylene	< 0.025	mg/kg	0.015	0.047	1	GRO95/8021		4/27/2017	TCC	1

Project Name MARON PROPERTY **Invoice #** E32824
Project #

Lab Code 5032824E
Sample ID EX-5
Sample Matrix Soil
Sample Date 4/25/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	85.7	%			1	5021		4/27/2017	NJC	1
Organic										
PAH SIM										
Acenaphthene	< 0.0151	mg/kg	0.0151	0.0481	1	M8270C	5/4/2017	5/4/2017	NJC	1
Acenaphthylene	< 0.0159	mg/kg	0.0159	0.0508	1	M8270C	5/4/2017	5/4/2017	NJC	1
Anthracene	< 0.0109	mg/kg	0.0109	0.0345	1	M8270C	5/4/2017	5/4/2017	NJC	1
Benzo(a)anthracene	0.043	mg/kg	0.0116	0.037	1	M8270C	5/4/2017	5/4/2017	NJC	1
Benzo(a)pyrene	0.062	mg/kg	0.0113	0.0359	1	M8270C	5/4/2017	5/4/2017	NJC	1
Benzo(b)fluoranthene	0.124	mg/kg	0.013	0.041	1	M8270C	5/4/2017	5/4/2017	NJC	1
Benzo(g,h,i)perylene	0.045	mg/kg	0.0114	0.036	1	M8270C	5/4/2017	5/4/2017	NJC	1
Benzo(k)fluoranthene	0.045 "J"	mg/kg	0.0147	0.0469	1	M8270C	5/4/2017	5/4/2017	NJC	1
Chrysene	0.062	mg/kg	0.0121	0.0383	1	M8270C	5/4/2017	5/4/2017	NJC	1
Dibenzo(a,h)anthracene	0.0108 "J"	mg/kg	0.0078	0.0251	1	M8270C	5/4/2017	5/4/2017	NJC	1
Fluoranthene	0.054	mg/kg	0.0147	0.0469	1	M8270C	5/4/2017	5/4/2017	NJC	1
Fluorene	< 0.0179	mg/kg	0.0179	0.057	1	M8270C	5/4/2017	5/4/2017	NJC	1
Indeno(1,2,3-cd)pyrene	0.045	mg/kg	0.0114	0.0362	1	M8270C	5/4/2017	5/4/2017	NJC	1
1-Methyl naphthalene	< 0.0203	mg/kg	0.0203	0.0645	1	M8270C	5/4/2017	5/4/2017	NJC	1
2-Methyl naphthalene	< 0.0113	mg/kg	0.0113	0.0358	1	M8270C	5/4/2017	5/4/2017	NJC	1
Naphthalene	< 0.0153	mg/kg	0.0153	0.0486	1	M8270C	5/4/2017	5/4/2017	NJC	1
Phenanthrene	< 0.0111	mg/kg	0.0111	0.0352	1	M8270C	5/4/2017	5/4/2017	NJC	1
Pyrene	0.107	mg/kg	0.0153	0.0487	1	M8270C	5/4/2017	5/4/2017	NJC	1
PVOC										
Benzene	< 0.025	mg/kg	0.019	0.06	1	GRO95/8021		4/28/2017	TCC	1
Ethylbenzene	< 0.025	mg/kg	0.01	0.032	1	GRO95/8021		4/28/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.0079	0.025	1	GRO95/8021		4/28/2017	TCC	1
Toluene	< 0.025	mg/kg	0.014	0.046	1	GRO95/8021		4/28/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.01	0.032	1	GRO95/8021		4/28/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.011	0.036	1	GRO95/8021		4/28/2017	TCC	1
m&p-Xylene	< 0.05	mg/kg	0.012	0.037	1	GRO95/8021		4/28/2017	TCC	1
o-Xylene	< 0.025	mg/kg	0.015	0.047	1	GRO95/8021		4/28/2017	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.

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 31655

Page 1 of 1

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) Kurt S. Host

Project (Name / Location): Maron Property

Reports To: Karen Maron	Invoice To: Karen Maron c/o METCO
Company	Company
Address 7420 W. Drummond St	Address 709 Gillette St. Ste. 3
City State Zip Iron River, WI 54847	City State Zip LaCrosse WI 54603
Phone 715-372-5441	Phone 608-781-9879
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
S0228241	Ex-1	4/25/17	735		X		2	S	HCl/H						X		X							
B	Ex-2	"	740		X		2	S	HCl/H						X		X							
C	Ex-3	"	746		X		2	S	HCl/H						X		X							
D	Ex-4	"	852		X		2	S	HCl/H						X		X							
E	Ex-5	"	1113		X		2	S	HCl/H						X		X							

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

Sample Integrity - To be completed by receiving lab.
Method of Shipment: Sun
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

Received in Laboratory By: [signature] Time: 8:00 Date: 4/27/17

Synergy Environmental Lab,

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

KAREN MARON
KAREN MARON
7420 W. DRUMMOMD STREET
IRON RIVER, WI 54847

Report Date *26-May-17*

Project Name MARON PROPERTY / BEAVER DAM **Invoice #** E32924
Project #

Lab Code 5032924A
Sample ID W9468 PW
Sample Matrix Water
Sample Date 5/16/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.27	ug/l	0.27	0.87	1	GRO95/8021		5/18/2017	TCC	1
Ethylbenzene	< 0.56	ug/l	0.56	1.77	1	GRO95/8021		5/18/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.43	ug/l	0.43	1.36	1	GRO95/8021		5/18/2017	TCC	1
Naphthalene	< 1.7	ug/l	1.7	5.27	1	GRO95/8021		5/18/2017	TCC	1
Toluene	< 0.33	ug/l	0.33	1.06	1	GRO95/8021		5/18/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.56	ug/l	0.56	1.78	1	GRO95/8021		5/18/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		5/18/2017	TCC	1
m&p-Xylene	< 1.1	ug/l	1.1	3.49	1	GRO95/8021		5/18/2017	TCC	1
o-Xylene	< 0.61	ug/l	0.61	1.92	1	GRO95/8021		5/18/2017	TCC	1

Lab Code 5032924B
Sample ID MW-2
Sample Matrix Water
Sample Date 5/16/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.27	ug/l	0.27	0.87	1	GRO95/8021		5/18/2017	TCC	1
Ethylbenzene	< 0.56	ug/l	0.56	1.77	1	GRO95/8021		5/18/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.43	ug/l	0.43	1.36	1	GRO95/8021		5/18/2017	TCC	1
Naphthalene	< 1.7	ug/l	1.7	5.27	1	GRO95/8021		5/18/2017	TCC	1
Toluene	< 0.33	ug/l	0.33	1.06	1	GRO95/8021		5/18/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.56	ug/l	0.56	1.78	1	GRO95/8021		5/18/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		5/18/2017	TCC	1
m&p-Xylene	< 1.1	ug/l	1.1	3.49	1	GRO95/8021		5/18/2017	TCC	1
o-Xylene	< 0.61	ug/l	0.61	1.92	1	GRO95/8021		5/18/2017	TCC	1

Project Name MARON PROPERTY / BEAVER DAM **Invoice #** E32924
Project #

Lab Code 5032924C
Sample ID MW-5
Sample Matrix Water
Sample Date 5/16/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.27	ug/l	0.27	0.87	1	GRO95/8021		5/18/2017	TCC	1
Ethylbenzene	< 0.56	ug/l	0.56	1.77	1	GRO95/8021		5/18/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.43	ug/l	0.43	1.36	1	GRO95/8021		5/18/2017	TCC	1
Naphthalene	< 1.7	ug/l	1.7	5.27	1	GRO95/8021		5/18/2017	TCC	1
Toluene	< 0.33	ug/l	0.33	1.06	1	GRO95/8021		5/18/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.56	ug/l	0.56	1.78	1	GRO95/8021		5/18/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		5/18/2017	TCC	1
m&p-Xylene	< 1.1	ug/l	1.1	3.49	1	GRO95/8021		5/18/2017	TCC	1
o-Xylene	< 0.61	ug/l	0.61	1.92	1	GRO95/8021		5/18/2017	TCC	1

Lab Code 5032924D
Sample ID MW-4
Sample Matrix Water
Sample Date 5/16/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.27	ug/l	0.27	0.87	1	GRO95/8021		5/18/2017	TCC	1
Ethylbenzene	< 0.56	ug/l	0.56	1.77	1	GRO95/8021		5/18/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.43	ug/l	0.43	1.36	1	GRO95/8021		5/18/2017	TCC	1
Naphthalene	< 1.7	ug/l	1.7	5.27	1	GRO95/8021		5/18/2017	TCC	1
Toluene	< 0.33	ug/l	0.33	1.06	1	GRO95/8021		5/18/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.56	ug/l	0.56	1.78	1	GRO95/8021		5/18/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		5/18/2017	TCC	1
m&p-Xylene	< 1.1	ug/l	1.1	3.49	1	GRO95/8021		5/18/2017	TCC	1
o-Xylene	< 0.61	ug/l	0.61	1.92	1	GRO95/8021		5/18/2017	TCC	1

Lab Code 5032924E
Sample ID MW-3
Sample Matrix Water
Sample Date 5/16/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.27	ug/l	0.27	0.87	1	GRO95/8021		5/18/2017	TCC	1
Ethylbenzene	< 0.56	ug/l	0.56	1.77	1	GRO95/8021		5/18/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.43	ug/l	0.43	1.36	1	GRO95/8021		5/18/2017	TCC	1
Naphthalene	< 1.7	ug/l	1.7	5.27	1	GRO95/8021		5/18/2017	TCC	1
Toluene	< 0.33	ug/l	0.33	1.06	1	GRO95/8021		5/18/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.56	ug/l	0.56	1.78	1	GRO95/8021		5/18/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		5/18/2017	TCC	1
m&p-Xylene	< 1.1	ug/l	1.1	3.49	1	GRO95/8021		5/18/2017	TCC	1
o-Xylene	< 0.61	ug/l	0.61	1.92	1	GRO95/8021		5/18/2017	TCC	1

Project Name MARON PROPERTY / BEAVER DAM **Invoice #** E32924
Project #

Lab Code 5032924F
Sample ID MW-1R
Sample Matrix Water
Sample Date 5/16/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 1.7	ug/l	1.7	5.5	10	8260B		5/25/2017	CJR	1
Ethylbenzene	134	ug/l	2	6.3	10	8260B		5/25/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 8.2	ug/l	8.2	26	10	8260B		5/25/2017	CJR	1
Naphthalene	46 "J"	ug/l	21.7	69	10	8260B		5/25/2017	CJR	1
Toluene	20.3 "J"	ug/l	6.7	21.3	10	8260B		5/25/2017	CJR	1
1,2,4-Trimethylbenzene	330	ug/l	11.4	36.3	10	8260B		5/25/2017	CJR	1
1,3,5-Trimethylbenzene	114	ug/l	9.1	29	10	8260B		5/25/2017	CJR	1
m&p-Xylene	480	ug/l	15.6	49.5	10	8260B		5/25/2017	CJR	1
o-Xylene	85	ug/l	3.9	12.5	10	8260B		5/25/2017	CJR	1

Lab Code 5032924G
Sample ID TB
Sample Matrix Water
Sample Date 5/16/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.27	ug/l	0.27	0.87	1	GRO95/8021		5/23/2017	TCC	1
Ethylbenzene	< 0.56	ug/l	0.56	1.77	1	GRO95/8021		5/23/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.43	ug/l	0.43	1.36	1	GRO95/8021		5/23/2017	TCC	1
Naphthalene	< 1.7	ug/l	1.7	5.27	1	GRO95/8021		5/23/2017	TCC	1
Toluene	< 0.33	ug/l	0.33	1.06	1	GRO95/8021		5/23/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.56	ug/l	0.56	1.78	1	GRO95/8021		5/23/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		5/23/2017	TCC	1
m&p-Xylene	< 1.1	ug/l	1.1	3.49	1	GRO95/8021		5/23/2017	TCC	1
o-Xylene	< 0.61	ug/l	0.61	1.92	1	GRO95/8021		5/23/2017	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.

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 JSTODY RECORD

Synergy Environmental Lab, Inc.

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

Chain # N2 3116

Page 1 of 1

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) Jon Jorn

Project (Name / Location): Maron Property / Beaver Dam

Reports To: Karen Maron	Invoice To: Karen Maron
Company	Company C/O METCO
Address 7420 W. Drummond St	Address 709 Gillette St, ste. 3
City State Zip Iron River, WI 54847	City State Zip La Crosse, WI 54603
Phone	Phone
FAX	FAX

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation
572924	W9468 PW	5-16	900				3	GW	HCL
A	MW-2		930						
C	MW-5		955						
D	MW-4		1020						
E	MW-3		1045						
F	MW-1R		1105						
G	TB						1		

Analysis Requested | **Other Analysis**

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
								X						
								X						
								X						
								X						
								X						
								X						
								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)
* Ute rates apply
* Agent Status

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

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
Jon Jorn	8:00 AM	5-17-17			

Received in Laboratory By: [signature] Time: [illegible] Date: 5-18-17