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May 7, 2021 Project #18687

Mr. Thomas Wentland and Mr. Lee Delcore
Wisconsin Department of Natural Resources
1155 Pilgrim Rd, PO Box 408
Plymouth, WI 53073-0408

RE: **Quarterly Report of Groundwater Sampling (March/April 2021 Event)**
Former Moss-American Facility, 8716 N. Granville Rd., Milwaukee, WI
FID # 241378280

Dear Mr. Wentland and Mr. Delcore:

The Sigma Group, Inc. (Sigma) is pleased to present this Quarterly Report of Groundwater Sampling for the above-referenced property (hereinafter "the site"). This is the seventh Quarterly Report submitted in fulfillment of the Scope of Work prepared by the Wisconsin Department of Natural Resources (WDNR) in August 2019 and the Work Plan prepared by Sigma in September 2019. The site is shown in **Figure 1**.

In accordance with the Scope of Work and Work Plan, this Quarterly Report includes the following:

- Investigative waste manifests from this quarterly sampling round;
- Groundwater monitoring well condition report of all wells;
- Summary and tabulation of groundwater analytical results;
- Laboratory reports of groundwater analytical results; and,
- Recommendations for modification of future groundwater sampling, if any.

Investigative waste manifests resulting from groundwater sampling activities (purge water) completed in March/April 2021 are included in **Attachment 1**. The investigative waste was picked up by Veolia ES Technical Solutions, LLC (Veolia) on April 13, 2021 for treatment and disposal as hazardous waste. In addition to the investigative waste manifests for quarterly sampling activities, the package includes manifests for soil and groundwater drums that resulted from the additional site investigation conducted in March 2021. A total of four groundwater drums were disposed for the March /April quarterly monitoring event.

GROUNDWATER MONITORING WELL CONDITION REPORT

A total of fifty-three (53) groundwater monitoring wells were present at the site at the beginning of the scope of work (August 2019). The groundwater monitoring wells have been described by their original purpose, and named accordingly, in previous site documents. Beginning in 2013, each of the site groundwater monitoring wells have been used to monitor shallow groundwater quality and effectiveness of the multiple rounds of remedial activities conducted on site. The status and condition of the groundwater monitoring wells are summarized in **Table 1**.

- Forty-one (41) monitoring wells are currently present in good condition and were sampled in March/April 2021. Thirty-eight (38) monitoring wells are located on-site and three monitoring wells (MW-D, MW-H, and MW-I) are located off-site along the Little Menomonee River.
    - Of the monitoring wells able to be sampled, seven monitoring wells (MW-7S, MW-9S, MW-38S, TG3-1, TG5-2, TG6-3, and PZ-02) contained either a slight obstruction or bent casing. However, despite the obstruction these monitoring wells were able to be sampled, either with no modifications to sampling procedure, or by using a peristaltic pump to purge and a 1-inch diameter bailer to sample.
- Two (2) river reach monitoring wells (MW-D and MW-I) were successfully located in March 2021 using a Trimble GPS unit and a metal detector. The integrity of these monitoring wells was found to be intact and samples were obtained from each monitoring well.
- One (1) river reach monitoring well (MW-K) has been submerged during the 2019 and 2020 sampling rounds and was abandoned on March 19, 2021. The well abandonment form in included in **Attachment 2**.

GROUNDWATER SAMPLING ACTIVITIES

A total of 41 groundwater monitoring wells were accessible and found to be in acceptable condition for sampling. During March 29 through April 2, 2021 Sigma completed groundwater sampling from the 41 groundwater monitoring wells.

Groundwater monitoring wells were sampled for the field parameters including water level, dissolved oxygen, oxidation-reduction potential, pH, temperature, specific conductance, ferrous iron, and turbidity using a Solinst Water Level Meter, a YSI Professional Plus Multiparameter meter, Hach ferrous iron test kit, and a Hach 2100Q portable turbidimeter. The groundwater monitoring wells were then purged using disposable bailers or a peristaltic pump. Following the recommendation made in the October 2019 Quarterly Report, each groundwater monitoring well was sampled approximately 24 hours after purging in order to minimize the possibility of drawing fine sediments into the samples. Each groundwater monitoring well was sampled and submitted to the project laboratory for analysis of benzene, toluene, ethylbenzene, xylenes (BTEX) (EPA Method 8260), and the polycyclic aromatic hydrocarbons (PAHs) (EPA Method 8270). Quality control and quality assurance samples included four duplicate samples, one trip blank, and four equipment blanks. Groundwater generated from purging activities was contained in four 55-gallon drums and picked up by Veolia on April 13, 2021 for disposal as hazardous waste. Manifests are included in **Attachment 1**.

SUMMARY OF GROUNDWATER RESULTS

Groundwater Elevation Measurements

Groundwater elevation measurements were generally consistent with previous results. Groundwater elevations were measured approximately within 0.6 foot, and generally higher, than the winter 2020-21 elevations throughout the site with the exception of the on-site monitoring wells MW-30S, MW-31SR, TG3-3, and PZ-05. The groundwater elevations within the monitoring wells MW-30S, MW-31SR, TG3-3, and PZ-05 were approximately 1.1 to 1.7 feet higher than the winter 2020-21 measurements. The direction of groundwater flow at the site is consistent with previous measurements toward the Little Menomonee River. Groundwater elevation measurements are summarized in **Table 2**.

Groundwater *In Situ* Measurements

Groundwater *in situ* measurements are summarized in **Table 3.** In general, results are consistent with the previous round of *in situ* measurements or expected seasonal fluctuations. Turbidity measurements are generally consistent throughout the site after following the October 2019 Quarterly Report recommendation to sample 24 hours after purging.

Review of the biodegradation parameters (e. g., ferrous iron, dissolved oxygen, and REDOX) indicate biodegradation is ongoing at the site. Review of dissolved oxygen readings measured during the March 2021 sampling event indicates that the subsurface condition is mostly anaerobic; 33 out of 38 readings of the on-site monitoring wells measured less than 1 ppm. The REDOX potentials measured during the March sampling event were positive (90.6 to 170.6 mV), and may correspond with the generally higher groundwater elevations due to seasonal variability. Ferrous iron is a by-product of anaerobic biodegradation of hydrocarbon related compounds. The presence of ferrous iron in groundwater samples collected from monitoring wells located within the impacted areas supports the conclusion that anaerobic biodegradation of contaminants is ongoing at the site.

Groundwater Analytical Results

Groundwater samples from 41 groundwater monitoring wells were submitted to the project laboratory for analysis of BTEX and PAHs. The laboratory report is presented in **Attachment 3**, and results are summarized in **Table 4**. Results are compared to the Preventive Action Limits (PALs) and Enforcement Standards (ESs) published in the USEPA's Record of Decision (1990) for BTEX (hereinafter "EPA ROD PAL" and "EPA ROD ES"), and current NR 140 PALs and ESs for PAHs. Current NR 140 PALs and ESs for BTEX are also shown in **Table 4** for comparison purposes.

Summary of BTEX Results - Of the 41 groundwater monitoring wells sampled in this sampling round, 40 groundwater monitoring wells contained concentrations less than the limit of detection (LOD) for BTEX. Ethylbenzene and xylenes were reported less than both PALs, and between the LOD and the limit of quantitation (LOQ) within monitoring well PZ-03.

Summary of PAH Results - Of the 41 groundwater monitoring wells sampled in this sampling round, concentrations of PAH were less than NR 140 PALs within 35 groundwater samples. At the remaining six groundwater monitoring wells, four analytes (benzo(a)pyrene, benzo(b)fluoranthene, chrysene, and naphthalene) were reported at concentrations exceeding NR 140 PALs and/or ESs. Results of each of these four analytes are described below.

Benz(a)pyrene
Benzo(a)pyrene was reported at concentrations between the NR 140 PAL and ES within monitoring wells TG5-2 (reported between the LOD and LOQ) and MW-I.

Benzo(b)fluoranthene
Benzo(b)fluoranthene was reported at concentrations greater than the NR 140 PAL and between the LOD and LOQ within monitoring wells MW-7S-WR, MW-33S, TG5-2, and PZ-09R; and greater than the NR 140 PAL within monitoring well MW-I.

Chrysene
Chrysene was reported at concentrations greater than the NR 140 PAL and between the LOD and LOQ within monitoring wells MW-7S-WR and TG5-2; greater than the NR 140 PAL within monitoring well MW-I; and greater than the NR 140 ES and between the LOD and LOQ within monitoring well PZ-09R.

Naphthalene
Naphthalene was reported at a concentration greater than the NR 140 PAL within one monitoring well.

- Of note is that naphthalene was reported at a concentration of 9.7 µg/L within monitoring well PZ-02, which is slightly less than the NR 140 PAL (10 µg/L). The concentration of naphthalene within monitoring well PZ-02 has ranged from 0.84 to 30.1 µg/L in the previous six rounds.
- Naphthalene was reported at a concentration greater than the NR 140 PAL within monitoring well PZ-03. Concentrations reported in the previous six sampling events have been greater than the NR 140 ES and at relatively high concentrations. The recent sampling events from monitoring well PZ-03 have reported concentrations of naphthalene as listed below. All the laboratory analytical services were provided by Synergy Laboratory except a split sample was analyzed by Pace Laboratory for result verification in the October 2020 sampling round.

    - April 2, 2021: 13.3 µg/L
    - January 8, 2021: 360 µg/L
    - October 29, 2020 (resample analyzed by Pace): 1310 µg/L
    - October 29, 2020 (resample analyzed by Synergy): 1680 µg/L
    - October 9, 2020: 4.9 µg/L
    - July 2020: 3010 µg/L
    - April 2020: 3600 µg/L
    - January 2020: 4000 µg/L

- October 2019: 1620 µg/L

Review of the historical data indicate that monitoring well PZ-03 was only sampled once prior to 2019 (in 2013), and that naphthalene was detected during the 2013 sampling round at a concentration of 47 µg/L, which is greater than the NR 140 PAL but less than the NR 140 ES. However, during the 2019 – 2020 sampling period groundwater naphthalene concentrations at PZ-03 have increased by two orders-of-magnitude compared to the 2013 result.

CONCLUSIONS

Based on the high concentrations of naphthalene detected during the recent monitoring events at monitoring wells MW-33S, PZ-02, and PZ-03, additional site investigation was completed in the vicinity of these monitoring well locations in March 2021. Documentation for this additional site investigation is submitted separately in the Summary Report of the Additional Site Investigation (May 5, 2021). Based on the results of that investigation, a Scope of Work for Supplemental Site Investigation - PZ-03 Area (May 5, 2021) has been prepared (and also submitted separately) to determine the degree and extent of contamination in the vicinity of monitoring well PZ-03.

RECOMMENDATIONS

Based on Sigma's discussions with WDNR, Sigma recommends the adjustment of the monitoring program for 21 monitoring wells due to one or more of the following:

- The monitoring well is upgradient from the currently identified impact area (which is in the vicinity of monitoring well PZ-03);
- Groundwater impacts identified in monitoring wells meet the cleanup goals of NR 140 PALs; and,
- The monitoring well is redundant with nearby monitoring wells (within approximately 25 feet).

Thirteen monitoring wells are proposed for abandonment and six monitoring wells are proposed for suspension of monitoring. The specific monitoring wells proposed for adjustment and rationale for either abandonment or suspension are presented in **Table 5**. The monitoring wells proposed for abandonment and the proposed remaining monitoring wells are shown in **Figure 2**.

Two river reach monitoring wells, MW-D and MW-H, will be scheduled for abandonment prior to the next round of quarterly monitoring per discussions with WDNR.

Sigma will conduct the next round of quarterly groundwater monitoring using either low-flow sampling procedures or traditional bailer purging and sampling after 24 hours to minimize the possibility of drawing fine sediments from the formation into the samples, as recommended in the October 2019 Quarterly Report.

Sigma recommends postponing the next round of monitoring until the investigation and remediation activities around the monitoring well PZ-03 are complete. Please feel free to contact the undersigned should you have any questions.

Sincerely,

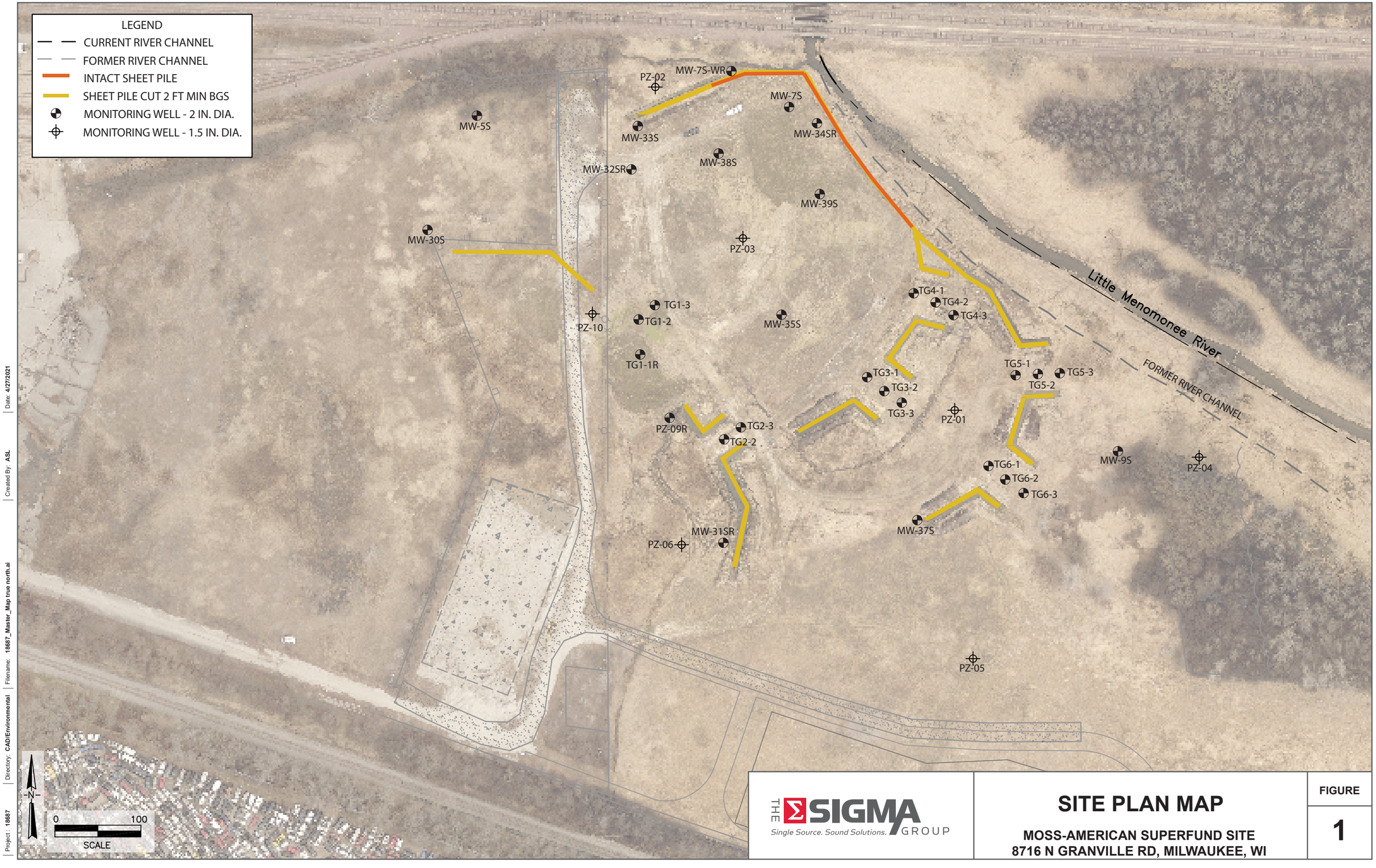
THE SIGMA GROUP, INC.

Andrea Lorenz, P.E., P.G.
Project Engineer

Mafizul Islam, P.E.
Senior Project Manager

Attachments:

Figure 1	Monitoring Well Location Map
Figure 2	Monitoring Wells Proposed for Adjustment
Table 1	Groundwater Monitoring Wells Condition Report- Winter 2020/21
Table 2	Groundwater Elevation Results
Table 3	Groundwater *In Situ* Results
Table 4	Groundwater Analytical Results
Table 5	Groundwater Monitoring Wells Proposed for Adjustment
Attachment 1	Investigative Waste Manifests
Attachment 2	Well Abandonment Form MW-K
Attachment 3	Laboratory Reports



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SITE PLAN MAP

MOSS-AMERICAN SUPERFUND SITE
8716 N GRANVILLE RD, MILWAUKEE, WI

FIGURE
1

LEGEND

- CURRENT RIVER CHANNEL
- FORMER RIVER CHANNEL
- INTACT SHEET PILE
- SHEET PILE CUT 2 FT MIN BGS
- MONITORING WELL - 2 IN. DIA.
- MONITORING WELL - 1.5 IN. DIA.

- MONITORING WELL - 2 IN. DIA. - PROPOSED FOR ABANDONMENT
- MONITORING WELL - 1.5 IN. DIA. - PROPOSED FOR ABANDONMENT
- MONITORING WELL - 2 IN. DIA. - PROPOSED FOR SUSPENSION OF MONITORING
- MONITORING WELL - 1.5 IN. DIA. - PROPOSED FOR SUSPENSION OF MONITORING

MW-5S
PZ-02
MW-7S-WR
MW-7S
MW-33S
MW-34SR
MW-38S
MW-32SR
MW-39S
MW-30S
PZ-03
TG1-3
TG1-2
PZ-10
MW-35S
TG1-1R
TG4-1
TG4-2
TG4-3
Little Menomonee River
FORMER RIVER CHANNEL
TG5-1
TG5-3
TG5-2
TG3-1
TG3-2
TG3-3
PZ-01
PZ-09R
TG2-3
TG2-2
TG6-1
TG6-2
TG6-3
MW-9S
PZ-04
MW-37S
MW-31SR
PZ-06
PZ-05

N

0 100
SCALE

2020 AERIAL FROM MILWAUKEE COUNTY's LIO WEBSITE

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MONITORING WELLS PROPOSED FOR ADJUSTMENT

MOSS-AMERICAN SUPERFUND SITE
8716 N GRANVILLE RD, MILWAUKEE, WI

FIGURE
2

Date: 4/27/2021 | Created By: ASL | Filename: 18687_Master_Map true north.ai | Directory: CAD/Environmental | Project: 18687

Table 1
Groundwater Monitoring Wells Condition Report- Spring 2021
Former Moss-American Facility- 8716 N Granville Rd, Milwaukee, WI
Sigma Project # 18687

Well ID	Sampled in Spring 2021?	Well Casing Diameter (inches)	Well Casing Material	Comment	Recommendation / Status
MW-5S	Y	2	Steel	Good condition; able to sample	**Recommend adjustment ***
MW-7S	Y	2	Steel	Able to sample; well casing is bent. Well was sampled using a 1" bailer.	Continue sampling
MW-7S-WR	Y	2	PVC	Good condition; able to sample	Continue sampling
MW-9S	Y	2	Steel	Able to sample: multiparameter probe can not penetrate past 10.0' but the bailer can penetrate the depth of the well	**Recommend adjustment ***
MW-27S	N	2	PVC	Abandoned	Abandoned on 10/13/2020
MW-30S	Y	2	Steel	Good condition; able to sample	**Recommend adjustment ***
MW-31SR	Y	2	PVC	Good condition; able to sample	**Recommend adjustment ***
MW-32SR	Y	2	PVC	Good condition; able to sample	Continue sampling
MW-33S	Y	2	Steel	Good condition; able to sample	Continue sampling
MW-34SR	Y	2	PVC	Good condition; able to sample	Continue sampling
MW-34S-N	N	2	PVC	Abandoned	Abandoned on 10/13/2020
MW-35S	Y	2	Steel	Good condition; able to sample	Continue sampling
MW-37S	Y	2	Steel	Good condition; able to sample	**Recommend adjustment ***
MW-38S	Y	2	Steel	Able to sample; well casing is bent. Well was sampled using a 1" bailer.	Continue sampling
MW-39S	Y	2	Steel	Good condition; able to sample	Continue sampling
TG1-1R	Y	2	PVC	Good condition; able to sample	Continue sampling
TG1-2	Y	2	Steel	Good condition; able to sample	Continue sampling
TG1-3	Y	2	Steel	Good condition; able to sample	**Recommend adjustment ***
TG2-1	N	2	Steel	Abandoned	Abandoned on 7/20/20
TG2-2	Y	2	Steel	Good condition; able to sample	Continue sampling
TG2-3	Y	2	Steel	Good condition; able to sample	**Recommend adjustment ***
TG3-1	Y	2	Steel	Good condition; able to sample; very slight kink	**Recommend adjustment ***
TG3-2	Y	2	Steel	Good condition; able to sample	Continue sampling
TG3-3	Y	2	Steel	Good condition; able to sample	**Recommend adjustment ***
TG4-1	Y	2	Steel	Good condition; able to sample	**Recommend adjustment ***
TG4-2	Y	2	Steel	Good condition; able to sample	Continue sampling
TG4-3	Y	2	Steel	Good condition; able to sample	**Recommend adjustment ***
TG5-1	Y	2	Steel	Good condition; able to sample	**Recommend adjustment ***
TG5-2	Y	2	Steel	Good condition; able to sample	Continue sampling
TG5-3	Y	2	Steel	Good condition; able to sample	**Recommend adjustment ***
TG6-1	Y	2	Steel	Good condition; able to sample	**Recommend adjustment ***
TG6-2	Y	2	Steel	Good condition; able to sample	Continue sampling
TG6-3	Y	2	Steel	Able to sample: multiparameter probe can not penetrate past 10.5' but the bailer can penetrate the depth of the well	**Recommend adjustment ***
PZ-01	Y	1.5	PVC	Good condition; able to sample	**Recommend adjustment ***
PZ-02	Y	1.5	PVC	Good condition; able to sample; purged w pump, sampled w 1" bailer	Continue sampling
PZ-03	Y	1.5	PVC	Good condition; able to sample	Continue sampling
PZ-04	Y	1.5	PVC	Good condition; able to sample	**Recommend adjustment ***
PZ-05	Y	1.5	PVC	Good condition; able to sample	**Recommend adjustment ***
PZ-06	Y	1.5	PVC	Good condition; able to sample	**Recommend adjustment ***
PZ-07	N	1.5	PVC	Abandoned	Abandoned on 10/13/2020
PZ-09R	Y	2	PVC	Good condition; able to sample	Continue sampling
PZ-10	Y	1.5	PVC	Good condition; able to sample; purged with pump	Continue sampling
MW-A	N	2	PVC	Abandoned	Abandoned on 10/13/2020
MW-B	N	2	PVC	Abandoned	Abandoned on 10/13/2020
MW-C	N	2	PVC	Abandoned	Abandoned on 10/13/2020
MW-D	Y	2	PVC	Well located and sampled	**Abandonment will be scheduled**
MW-E	N	2	PVC	Abandoned	Abandoned on 10/13/2020
MW-F	N	2	PVC	Abandoned	Abandoned on 10/13/2020
MW-G	N	2	PVC	Abandoned	Abandoned on 10/13/2020
MW-H	Y	2	PVC	Good condition; able to sample	**Abandonment will be scheduled**
MW-I	Y	2	PVC	Well located and sampled	Continue sampling
MW-J	N	2	PVC	Abandoned	Abandoned on 10/13/2020
MW-K	N	2	PVC	Abandoned	Abandoned on 3/19/2021

* = See Table 5 for adjustment rationale

Table 2
Groundwater Elevation Results
Moss American - 8716 North Granville Road, Milwaukee, WI
Sigma Project No. 18687

Well ID	Date	Ground Elevation	Top of Casing	Depth to Groundwater	Well Depth	Water Column	Water Column Difference	Groundwater Elevation	Depth to Groundwater	Physical Observations
		(feet MSL)	(feet MSL)	(feet TOC)	(feet TOC)	(feet)	(feet)	(feet MSL)	(feet bgs)	
MW-5S	4/4/13	723.41	724.63	5.45	19.75	14.30	--	719.18	4.23	
	10/8/19	722.72	724.44	5.98	19.52	13.54	-0.76	718.46	4.26	good recovery
	1/3/20	722.72	724.44	5.82	19.52	13.70	0.16	718.62	4.10	
	3/31/20	722.72	724.44	5.69	19.50	13.81	0.11	718.75	3.97	good recovery
	7/6/20	722.72	724.44	6.76	19.68	12.92	-0.89	717.68	5.04	going dry
	10/7/20	722.72	724.44	6.93	19.71	12.78	-0.14	717.51	5.21	moderate
	1/6/21	722.72	724.44	6.48	19.70	13.22	0.44	717.96	4.76	moderate recovery
	3/31/21	722.72	724.44	6.06	19.70	13.64	0.42	718.38	4.34	fair recovery
MW-7S	4/4/13	719.47	721.59	4.14	15.40	11.26	--	717.45	2.02	
	10/7/19	718.87	721.77	4.20	15.05	10.85	-0.41	717.57	1.30	good recovery, Dup #4
	1/3/20	718.87	721.77	3.71	15.05	11.34	0.49	718.06	0.81	
	3/31/20	718.87	721.77	4.02	15.05	11.03	-0.31	717.75	1.12	good recovery
	7/6/20	718.87	721.77	5.68	14.46	8.78	-2.25	716.09	2.78	
	10/8/20	718.87	721.77	5.43	14.47	9.04	0.26	716.34	2.53	good recovery
	1/8/21	718.87	721.77	4.76	14.45	9.69	0.65	717.01	1.86	good recovery
	4/1/21	718.87	721.77	4.22	14.45	10.23	0.54	717.55	1.32	good recovery
MW-7S-W	4/5/13	716.41	719.84	4.22	16.85	12.63	--	715.62	0.79	
MW-7S-WR	10/3/19	717.66	720.05	2.33	17.37	15.04	2.41	717.72	-0.05	going dry
	1/3/20	717.66	720.05	3.99	17.37	13.38	-1.66	716.06	1.61	
	3/31/20	717.66	720.05	3.08	17.35	14.27	0.89	716.97	0.70	good recovery
	7/6/20	717.66	720.05	5.20	17.41	12.21	-2.06	714.85	2.82	going dry
	10/5/20	717.66	720.05	5.11	17.35	12.24	0.03	714.94	2.73	good recovery
	1/6/21	717.66	720.05	4.82	17.35	12.53	0.29	715.23	2.44	good recovery
	4/1/21	717.66	720.05	4.38	17.35	12.97	0.44	715.67	2.00	good recovery
MW-9S	4/4/13	719.15	721.66	3.90	15.30	11.40	--	717.76	1.39	
	9/27/19	718.72	721.47	4.59	15.05	10.46	-0.94	716.88	1.84	good recovery
	12/31/19	718.72	721.47	4.05	15.05	11.00	0.54	717.42	1.30	
	4/3/20	718.72	721.47	4.50	15.05	10.55	-0.45	716.97	1.75	moderate recovery
	7/13/20	718.72	721.47	4.56	15.09	10.53	-0.02	716.91	1.81	good recovery
	10/6/20	718.72	721.47	5.18	15.09	9.91	-0.62	716.29	2.43	good recovery
	1/7/21	718.72	721.47	4.54	15.10	10.56	0.65	716.93	1.79	good recovery
	3/30/21	718.72	721.47	4.47	15.10	10.63	0.07	717.00	1.72	good recovery
MW-27S	4/4/13	720.57	723.10	3.68	17.39	13.71	--	719.42	1.15	
	10/3/19	720.14	723.72	OB	OB	OB	OB	OB	OB	obstruction
	3/31/20	720.14	723.72	OB	OB	OB	OB	OB	OB	obstruction
	7/6/20	720.14	723.72	OB	OB	OB	OB	OB	OB	obstruction
	Abandoned 10/13/2020									
MW-30S	4/4/13	725.35	727.34	3.42	14.72	11.30	--	723.92	1.43	
	10/8/19	725.60	727.33	3.21	14.50	11.29	-0.01	724.12	1.48	good recovery
	1/3/20	725.60	727.33	2.88	14.50	11.62	0.33	724.45	1.14	
	3/31/20	725.60	727.33	2.75	14.50	11.75	0.13	724.58	1.01	good recovery
	7/6/20	725.60	727.33	4.21	14.49	10.28	-1.47	723.12	2.48	good recovery
	10/7/20	725.60	727.33	4.50	14.48	9.98	-0.30	722.83	2.76	good recovery
	1/6/21	725.60	727.33	3.83	14.50	10.67	0.69	723.50	2.10	good recovery
	3/31/21	725.60	727.33	2.13	14.50	12.37	1.70	725.20	0.39	good recovery
MW-31S	4/3/13			NS	NS	NS	--	NS	NS	not located
MW-31SR	10/8/19	723.13	725.94	1.53	17.35	15.82	--	724.41	-1.29	moderate recovery
	12/31/19	723.13	725.94	3.08	17.35	14.27	-1.55	722.86	0.26	slow recovery
	4/7/20	723.13	725.94	3.32	17.35	14.03	-0.24	722.62	0.50	moderate recovery
	7/8/20	723.13	725.94	3.12	17.40	14.28	0.25	722.82	0.30	poor recovery
	10/8/20	723.13	725.94	3.02	17.42	14.40	0.12	722.92	0.20	poor recovery
	1/6/21	723.13	725.94	NS	NS	NS	NS	NS	NS	obstruction at 1.77' - ice
	3/30/21	723.13	725.94	1.72	17.40	15.68	1.28	724.22	-1.10	fair recovery

Table 2
Groundwater Elevation Results
Moss American - 8716 North Granville Road, Milwaukee, WI
Sigma Project No. 18687

Well ID	Date	Ground Elevation	Top of Casing	Depth to Groundwater	Well Depth	Water Column	Water Column Difference	Groundwater Elevation	Depth to Groundwater	Physical Observations
		(feet MSL)	(feet MSL)	(feet TOC)	(feet TOC)	(feet)	(feet)	(feet MSL)	(feet bgs)	
MW-32S	4/4/13	719.68	722.79	5.13	14.95	9.82	--	717.66	2.02	
MW-32SR	10/3/19	719.16	721.95	3.24	17.62	14.38	4.56	718.71	0.46	good recovery
	12/31/19	719.16	721.95	3.28	17.58	14.30	-0.08	718.67	0.50	
	3/31/20	719.16	721.95	3.86	17.59	13.73	-0.57	718.09	1.08	good recovery, dup #1
	7/6/20	719.16	721.95	5.60	17.59	11.99	-1.74	716.35	2.82	good recovery, dup #1
	10/7/20	719.16	721.95	5.48	17.60	12.12	0.13	716.47	2.70	good recovery
	1/6/21	719.16	721.95	4.76	17.60	12.84	0.72	717.19	1.98	good recovery
	4/1/21	719.16	721.95	4.20	17.60	13.40	0.56	717.75	1.42	good recovery
MW-33S	4/4/13	719.25	721.81	4.49	14.95	10.46	--	717.32	1.93	
	10/3/19	719.04	722.31	3.93	14.70	10.77	0.31	718.38	0.67	good recovery
	12/31/19	719.04	722.31	4.26	14.70	10.44	-0.33	718.05	1.00	
	3/31/20	719.04	722.31	4.75	14.70	9.95	-0.49	717.56	1.49	good recovery
	7/6/20	719.04	722.31	6.31	14.70	8.39	-1.56	716.00	3.05	good recovery
	10/5/20	719.04	722.31	7.21	14.72	7.51	-0.88	715.10	3.95	good recovery
	1/6/21	719.04	722.31	5.64	14.70	9.06	1.55	716.67	2.38	good recovery
	4/1/21	719.04	722.31	5.17	14.70	9.53	0.47	717.14	1.91	good recovery
MW-34S	4/4/13	718.97	721.52	4.45	14.97	10.52	--	717.07	1.90	
MW-34SR	10/7/19	718.18	720.82	3.74	17.78	14.04	3.52	717.08	1.11	dry, Dup #3
	1/3/20	718.18	720.82	3.11	17.73	14.62	0.58	717.71	0.48	sulfur odor
	3/31/20	718.18	720.82	3.41	17.75	14.34	-0.28	717.41	0.78	moderate recovery
	7/6/20	718.18	720.82	4.63	17.80	13.17	-1.17	716.19	2.00	going dry
	10/5/20	718.18	720.82	4.55	17.79	13.24	0.07	716.27	1.92	moderate recovery
	1/6/21	718.18	720.82	4.06	17.80	13.74	0.50	716.76	1.43	slow recovery, DUP1
	4/1/21	718.18	720.82	3.53	17.80	14.27	0.53	717.29	0.90	moderate recovery, Dup #4
MW-34S-N	4/5/13	715.41	718.71	3.52	18.15	14.63	--	715.19	0.22	
	10/8/19	715.30	717.22	3.38	17.41	14.03	-0.60	713.84	1.46	dry
	1/8/20	715.30	717.22	2.82	17.41	14.59	0.56	714.40	0.90	slow recovery
	3/31/20	715.30	717.22	OB	OB	OB	OB	OB	OB	obstruction
	7/6/20	715.30	717.22	OB	OB	OB	OB	OB	OB	obstruction
	Abandoned 10/13/2020									
MW-35S	4/4/13	718.14	721.75	4.06	14.63	10.57	--	717.69	0.45	
	10/7/19	718.55	722.48	4.50	14.41	9.91	-0.66	717.98	0.57	very good recovery
	1/8/20	718.55	722.48	4.66	14.41	9.75	-0.16	717.82	0.73	
	4/2/20	718.55	722.48	4.73	14.40	9.67	-0.08	717.75	0.80	good recovery
	7/8/20	718.55	722.48	5.61	14.60	8.99	-0.68	716.87	1.68	good recovery
	10/7/20	718.55	722.48	5.76	14.57	8.81	-0.18	716.72	1.83	good recovery
	1/6/21	718.55	722.48	4.93	14.55	9.62	0.81	717.55	1.00	good recovery
	3/31/21	718.55	722.48	4.46	14.55	10.09	0.47	718.02	0.53	good recovery
MW-37S	4/4/13	721.33	723.30	4.80	15.00	10.20	--	718.50	2.83	
	10/7/19	722.65	723.66	4.57	14.47	9.90	-0.30	719.09	3.56	
	12/31/19	722.65	723.66	4.26	14.47	10.21	0.31	719.40	3.25	slow recovery
	4/7/20	722.65	723.66	5.75	14.50	8.75	-1.46	717.91	4.74	good recovery
	7/9/20	722.65	723.66	6.81	14.79	7.98	-0.77	716.85	5.80	good recovery
	10/7/20	722.65	723.66	6.28	14.77	8.49	0.51	717.38	5.27	moderate recovery
	1/7/21	722.65	723.66	5.37	14.75	9.38	0.89	718.29	4.36	slow recovery
	3/30/21	722.65	723.66	4.73	14.75	10.02	0.64	718.93	3.72	moderate recovery
MW-38S	4/4/13	718.36	721.74	4.09	18.20	14.11	--	717.65	0.71	
	10/7/19	718.88	722.37	4.42	17.95	13.53	-0.58	717.95	0.94	
	1/3/20	718.88	722.37	4.29	17.95	13.66	0.13	718.08	0.81	
	4/2/20	718.88	722.37	4.74	17.95	13.21	-0.45	717.63	1.26	good recovery
	7/7/20	718.88	722.37	6.23	17.98	11.75	-1.46	716.14	2.75	good recovery
	10/8/20	718.88	722.37	7.01	17.98	10.97	-0.78	715.36	3.53	good recovery
	1/8/21	718.88	722.37	5.19	18.00	12.81	1.84	717.18	1.71	good recovery
	4/1/21	718.88	722.37	4.59	18.00	13.41	0.60	717.78	1.11	good recovery

Table 2
Groundwater Elevation Results
Moss American - 8716 North Granville Road, Milwaukee, WI
Sigma Project No. 18687

Well ID	Date	Ground Elevation	Top of Casing	Depth to Groundwater	Well Depth	Water Column	Water Column Difference	Groundwater Elevation	Depth to Groundwater	Physical Observations
		(feet MSL)	(feet MSL)	(feet TOC)	(feet TOC)	(feet)	(feet)	(feet MSL)	(feet bgs)	
MW-39S	4/4/13	717.80	721.10	3.42	17.93	14.51	--	717.68	0.12	
	10/8/19	718.11	721.36	3.67	17.99	14.32	-0.19	717.69	0.42	good recovery
	1/3/20	718.11	721.36	3.30	17.99	14.69	0.37	718.06	0.05	
	3/31/20	718.11	721.36	3.79	18.00	14.21	-0.48	717.57	0.54	good recovery
	7/6/20	718.11	721.36	5.14	18.00	12.86	-1.35	716.22	1.89	good recovery
	10/5/20	718.11	721.36	4.74	17.99	13.25	0.39	716.62	1.49	good recovery
	1/6/21	718.11	721.36	4.00	18.00	14.00	0.75	717.36	0.75	good recovery
	4/1/21	718.11	721.36	3.53	18.00	14.47	0.47	717.83	0.28	good recovery
TG1-1	4/3/13	719.77	723.32	4.65	15.10	10.45	--	718.67	1.10	
TG1-1R	10/3/19	720.92	723.45	3.45	17.45	14.00	3.55	720.00	0.92	dry
	1/7/20	720.92	723.45	3.70	17.45	13.75	-0.25	719.75	1.17	
	4/1/20	720.92	723.45	3.52	17.45	13.93	0.18	719.93	0.99	good recovery, dup#03
	7/7/20	720.92	723.45	4.79	17.50	12.71	-1.22	718.66	2.26	good recovery
	10/5/20	720.92	723.45	4.80	17.46	12.66	-0.05	718.65	2.27	moderate recovery
	1/6/21	720.92	723.45	4.08	17.45	13.37	0.71	719.37	1.55	moderate recovery
	3/31/21	720.92	723.45	3.55	17.45	13.90	0.53	719.90	1.02	good recovery
TG1-2	4/3/13	720.06	722.81			0.00	--	722.81	-2.75	
	10/3/19	719.78	723.80	4.62	14.30	9.68	9.68	719.18	0.61	good recovery
	1/7/20	719.78	723.80	4.93	14.30	9.37	-0.31	718.87	0.91	
	3/31/20	719.78	723.80	4.87	14.30	9.43	0.06	718.93	0.86	good recovery
	7/7/20	719.78	723.80	6.25	14.40	8.15	-1.28	717.55	2.24	good recovery
	10/5/20	719.78	723.80	6.31	14.36	8.05	-0.10	717.49	2.29	good recovery
	1/6/21	719.78	723.80	5.45	14.35	8.90	0.85	718.35	1.44	good recovery
	3/31/21	719.78	723.80	4.87	14.35	9.48	0.58	718.93	0.86	good recovery
TG1-3	4/3/13	719.56	722.53	3.41	14.62	11.21	--	719.12	0.44	
	10/3/19	719.60	723.16	4.02	14.39	10.37	-0.84	719.14	0.46	good recovery
	1/8/20	719.60	723.16	4.36	14.39	10.03	-0.34	718.80	0.80	slow recovery
	3/31/20	719.60	723.16	4.29	14.40	10.11	0.08	718.87	0.73	good recovery, dup#02
	7/7/20	719.60	723.16	5.81	14.43	8.62	-1.49	717.35	2.25	good recovery
	10/5/20	719.60	723.16	5.81	14.44	8.63	0.01	717.35	2.25	moderate recovery
	1/6/21	719.60	723.16	5.03	14.45	9.42	0.79	718.13	1.47	moderate recovery
	3/31/21	719.60	723.16	4.44	14.45	10.01	0.59	718.72	0.88	good recovery
TG2-1	4/3/13	720.67	723.80	4.25	15.00	10.75	--	719.55	1.12	
	10/8/19	720.19	723.80	4.32	14.80	10.48	-0.27	719.48	0.71	slow recovery
	1/7/20	720.19	723.80	4.67	14.80	10.13	-0.35	719.13	1.06	slow recovery
	4/1/20	720.19	723.80	4.66	14.80	10.14	0.01	719.14	1.05	moderate recovery
	7/7/20	720.19	723.80	6.59	14.78	8.19	-1.95	717.21	2.98	good recovery
	Destroyed; Abandoned July 2020									
TG2-2	4/3/13	720.62	723.05	5.63	14.80	9.17	--	717.42	3.20	
	10/8/19	720.60	723.35	3.38	14.55	11.17	2.00	719.97	0.62	moderate recovery
	1/7/20	720.60	723.35	3.72	14.55	10.83	-0.34	719.63	0.96	Duplicate #4
	4/1/20	720.60	723.35	3.69	14.55	10.86	0.03	719.66	0.93	good recovery
	7/7/20	720.60	723.35	5.70	14.63	8.93	-1.93	717.65	2.94	moderate recovery
	10/5/20	720.60	723.35	5.49	14.69	9.20	0.27	717.86	2.73	good recovery, dup #1
	1/6/21	720.60	723.35	3.83	14.70	10.87	1.67	719.52	1.07	good recovery, DUP2
	3/30/21	720.60	723.35	3.89	14.70	10.81	-0.06	719.46	1.13	fair recovery, Dup #2
TG2-3	4/3/13	720.06	722.61	4.05	OB	OB	--	718.56	1.50	
	10/8/19	719.83	723.93	4.45	14.75	10.30	--	719.48	0.35	slow recovery
	1/7/20	719.83	723.93	4.65	14.75	10.10	-0.20	719.28	0.55	slow recovery
	4/1/20	719.83	723.93	4.72	14.75	10.03	-0.07	719.21	0.62	moderate recovery
	7/7/20	719.83	723.93	6.76	14.79	8.03	-2.00	717.17	2.66	moderate recovery
	10/5/20	719.83	723.93	6.36	14.78	8.42	0.39	717.57	2.26	slow recovery
	1/6/21	719.83	723.93	5.40	14.80	9.40	0.98	718.53	1.30	going dry
	3/30/21	719.83	723.93	5.18	14.80	9.62	0.22	718.75	1.08	good recovery

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Well ID	Date	Ground Elevation	Top of Casing	Depth to Groundwater	Well Depth	Water Column	Water Column Difference	Groundwater Elevation	Depth to Groundwater	Physical Observations
		(feet MSL)	(feet MSL)	(feet TOC)	(feet TOC)	(feet)	(feet)	(feet MSL)	(feet bgs)	
TG3-1	4/3/13	719.14	721.05	3.41	14.60	11.19	--	717.64	1.50	
	10/8/19	718.93	721.88	3.65	14.60	10.95	-0.24	718.23	0.71	good recovery
	1/7/20	718.93	721.88	4.16	14.60	10.44	-0.51	717.72	1.22	
	4/2/20	718.93	721.88	4.21	14.60	10.39	-0.05	717.67	1.27	good recovery
	7/8/20	718.93	721.88	4.95	14.65	9.70	-0.69	716.93	2.01	good recovery
	10/6/20	718.93	721.88	4.92	14.61	9.69	-0.01	716.96	1.98	good recovery, dup #2
	1/7/21	718.93	721.88	4.26	14.60	10.34	0.65	717.62	1.32	good recovery, DUP3
	3/31/21	718.93	721.88	3.76	14.60	10.84	0.50	718.12	0.82	good recovery, Dup #3
TG3-2	4/3/13	718.87	720.92	3.25	14.25	11.00	--	717.67	1.20	
	10/8/19	718.67	721.68	3.13	14.00	10.87	-0.13	718.55	0.12	good recovery
	1/7/20	718.67	721.68	3.56	14.00	10.44	-0.43	718.12	0.55	
	4/2/20	718.67	721.68	4.11	14.00	9.89	-0.55	717.57	1.10	good recovery
	7/8/20	718.67	721.68	4.64	14.36	9.72	-0.17	717.04	1.63	good recovery
	10/6/20	718.67	721.68	4.47	14.30	9.83	0.11	717.21	1.46	good recovery
	1/7/21	718.67	721.68	3.67	14.30	10.63	0.80	718.01	0.66	good recovery
	3/31/21	718.67	721.68	3.33	14.30	10.97	0.34	718.35	0.32	good recovery
TG3-3	4/3/13	718.35	720.60	OB	OB	OB	--	OB	OB	
	10/8/19	718.01	721.52	3.03	14.75	11.72	--	718.49	-0.48	good recovery
	1/8/20	718.01	721.52	3.43	14.75	11.32	-0.40	718.09	-0.08	
	4/2/20	718.01	721.52	3.98	14.75	10.77	-0.55	717.54	0.47	good recovery
	7/8/20	718.01	721.52	4.45	14.78	10.33	-0.44	717.07	0.94	good recovery
	10/6/20	718.01	721.52	4.34	14.74	10.40	0.07	717.18	0.83	good recovery
	1/7/21	718.01	721.52	NS	NS	NS	NS	NS	NS	obstruction at 3.3' - ice
	3/31/21	718.01	721.52	3.22	14.75	11.53	1.13	718.30	-0.29	good recovery
TG4-1	4/3/13	718.06	721.14	OB	OB	OB	--	OB	OB	
	10/7/19	717.96	722.27	4.43	14.45	10.02	--	717.84	0.13	good recovery
	12/31/19	717.96	722.27	4.31	14.45	10.14	0.12	717.96	0.01	
	4/2/20	717.96	722.27	4.85	14.45	9.60	-0.54	717.42	0.55	good recovery
	7/8/20	717.96	722.27	5.45	14.46	9.01	-0.59	716.82	1.15	good recovery
	10/7/20	717.96	722.27	4.80	14.71	9.91	0.90	717.47	0.50	good recovery
	1/7/21	717.96	722.27	4.47	14.70	10.23	0.32	717.80	0.17	good recovery
	3/31/21	717.96	722.27	4.10	14.70	10.60	0.37	718.17	-0.20	good recovery
TG4-2	4/3/13	718.26	720.75	3.85	14.93	11.08	--	716.90	1.36	
	10/7/19	717.93	721.71	4.03	14.75	10.72	-0.36	717.68	0.26	good recovery
	12/31/19	717.93	721.71	3.97	14.69	10.72	0.00	717.74	0.20	
	4/2/20	717.93	721.71	4.39	14.70	10.31	-0.41	717.32	0.62	good recovery
	7/8/20	717.93	721.71	4.84	14.70	9.86	-0.45	716.87	1.07	good recovery
	10/7/20	717.93	721.71	5.36	14.45	9.09	-0.77	716.35	1.59	good recovery
	1/7/21	717.93	721.71	3.89	14.45	10.56	1.47	717.82	0.12	good recovery
	3/31/21	717.93	721.71	3.58	14.45	10.87	0.31	718.13	-0.19	good recovery
TG4-3	4/3/13	718.01	720.04	3.03	14.28	11.25	--	717.01	1.00	
	10/7/19	717.62	720.73	3.19	14.10	10.91	-0.34	717.54	0.08	good recovery
	12/31/19	717.62	720.73	3.10	14.05	10.95	0.04	717.63	-0.01	
	4/2/20	717.62	720.73	3.44	14.05	10.61	-0.34	717.29	0.33	good recovery
	7/8/20	717.62	720.73	3.88	14.10	10.22	-0.39	716.85	0.77	good recovery
	10/6/20	717.62	720.73	3.63	14.06	10.43	0.21	717.10	0.52	good recovery
	1/7/21	717.62	720.73	2.92	14.05	11.13	0.70	717.81	-0.19	good recovery
	3/31/21	717.62	720.73	2.71	14.05	11.34	0.21	718.02	-0.40	good recovery
TG5-1	4/3/13	717.60	721.12	4.85	14.65	9.80	--	716.27	1.33	
	9/27/19	717.79	722.15	4.76	14.40	9.64	-0.16	717.39	0.40	good recovery
	1/7/20	717.79	722.15	4.83	14.40	9.57	-0.07	717.32	0.47	
	4/3/20	717.79	722.15	5.46	14.40	8.94	-0.63	716.69	1.10	good recovery
	7/9/20	717.79	722.15	6.11	14.49	8.38	-0.56	716.04	1.75	good recovery, dup #3
	10/6/20	717.79	722.15	4.99	14.46	9.47	1.09	717.16	0.63	good recovery
	1/7/21	717.79	722.15	4.35	14.45	10.10	0.63	717.80	-0.01	good recovery
	3/30/21	717.79	722.15	4.33	14.45	10.12	0.02	717.82	-0.03	good recovery

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		(feet MSL)	(feet MSL)	(feet TOC)	(feet TOC)	(feet)	(feet)	(feet MSL)	(feet bgs)	
TG5-2	4/3/13	718.18	720.63	4.25	14.80	10.55	--	716.38	1.80	
	10/7/19	717.62	721.91	4.32	14.55	10.23	-0.32	717.59	0.02	good recovery
	1/7/20	717.62	721.91	4.45	14.55	10.10	-0.13	717.46	0.15	Duplicate #6
	4/3/20	717.62	721.91	5.40	14.55	9.15	-0.95	716.51	1.10	moderate recovery, dup #4
	7/9/20	717.62	721.91	6.37	14.61	8.24	-0.91	715.54	2.07	good recovery
	10/7/20	717.62	721.91	4.94	14.58	9.64	1.40	716.97	0.64	good recovery
	1/7/21	717.62	721.91	NS	NS	NS	NS	NS	NS	obstructed at 4.15- ice
	3/30/21	717.62	721.91	4.32	14.60	10.28	0.64	717.59	0.02	fair recovery
TG5-3	4/3/13	718.17	719.99	3.53	15.02	11.49	--	716.46	1.71	
	9/27/19	716.92	720.87	3.47	14.75	11.28	-0.21	717.40	-0.48	slow recovery
	12/31/19	716.92	720.87	3.20	14.75	11.55	0.27	717.67	-0.75	
	4/3/20	716.92	720.87	4.24	14.75	10.51	-1.04	716.63	0.29	good recovery
	7/9/20	716.92	720.87	5.12	14.80	9.68	-0.83	715.75	1.17	going dry
	10/6/20	716.92	720.87	4.06	14.80	10.74	1.06	716.81	0.11	going dry
	1/7/21	716.92	720.87	3.40	14.80	11.40	0.66	717.47	-0.55	slow recovery
	3/30/21	716.92	720.87	3.28	14.80	11.52	0.12	717.59	-0.67	going dry
TG6-1	4/3/13	719.47	721.96	4.54	15.02	10.48	--	717.42	2.05	
	9/27/19	719.16	722.41	3.16	14.80	11.64	1.16	719.25	-0.09	
	12/31/19	719.16	722.41	3.45	14.80	11.35	-0.29	718.96	0.20	slow recovery
	4/7/20	719.16	722.41	5.51	14.80	9.29	-2.06	716.90	2.26	good recovery
	7/9/20	719.16	722.41	6.40	14.79	8.39	-0.90	716.01	3.15	moderate recovery
	10/6/20	719.16	722.41	5.22	14.79	9.57	1.18	717.19	1.97	good recovery
	1/7/21	719.16	722.41	4.43	14.80	10.37	0.80	717.98	1.18	good recovery
	3/30/21	719.16	722.41	4.09	14.80	10.71	0.34	718.32	0.84	going dry
TG6-2	4/3/13	719.70	722.05	4.67	14.23	9.56	--	717.38	2.32	
	9/27/19	719.49	722.74	3.49	14.10	10.61	1.05	719.25	0.24	moderate recovery
	1/10/20	719.49	722.74	4.74	14.14	9.40	-1.21	718.00	1.49	
	4/7/20	719.49	722.74	5.79	14.15	8.36	-1.04	716.95	2.54	good recovery
	7/9/20	719.49	722.74	6.69	14.77	8.08	-0.28	716.05	3.44	good recovery
	10/6/20	719.49	722.74	5.61	14.45	8.84	0.76	717.13	2.36	good recovery, dup #3
	1/7/21	719.49	722.74	4.80	14.45	9.65	0.81	717.94	1.55	good recovery, DUP4
	3/30/21	719.49	722.74	4.43	14.45	10.02	0.37	718.31	1.18	good recovery, Dup #1
TG6-3	4/3/13	719.58	722.47	4.50	14.65	10.15	--	717.97	1.61	
	9/27/19	719.47	722.92	3.62	14.45	10.83	0.68	719.30	0.17	moderate recovery
	12/31/19	719.47	722.92	3.83	14.45	10.62	-0.21	719.09	0.38	
	4/7/20	719.47	722.92	5.74	14.45	8.71	-1.91	717.18	2.29	good recovery
	7/9/20	719.47	722.92	6.78	14.50	7.72	-0.99	716.14	3.33	good recovery
	10/6/20	719.47	722.92	5.83	14.48	8.65	0.93	717.09	2.38	good recovery
	1/7/21	719.47	722.92	5.00	14.50	9.50	0.85	717.92	1.55	good recovery
	3/30/21	719.47	722.92	4.57	14.50	9.93	0.43	718.35	1.13	good recovery
PZ-01	4/4/13	718.04	721.05	3.85	14.90	11.05	--	717.20	0.84	
	10/8/19	717.81	721.47	3.71	14.55	10.84	-0.21	717.76	0.05	slow recovery
	1/7/20	717.81	721.47	4.18	14.55	10.37	-0.47	717.29	0.51	
	4/7/20	717.81	721.47	4.49	14.55	10.06	-0.31	716.98	0.83	slow recovery
	7/9/20	717.81	721.47	4.77	14.58	9.81	-0.25	716.70	1.11	good recovery
	10/8/20	717.81	721.47	4.58	14.51	9.93	0.12	716.89	0.92	good recovery
	1/8/21	717.81	721.47	3.59	14.50	10.91	0.98	717.88	-0.07	good recovery
	3/30/21	717.81	721.47	3.68	14.50	10.82	-0.09	717.79	0.01	fair recovery
PZ-02	4/4/13	718.89	721.84	5.94	14.85	8.91	--	715.90	2.99	
	10/3/19	718.36	721.73	4.25	14.75	10.50	1.59	717.48	0.89	good recovery
	1/7/20	718.36	721.73	6.09	14.75	8.66	-1.84	715.64	2.73	Duplicate #1
	3/31/20	718.36	721.73	4.96	14.75	9.79	1.13	716.77	1.60	good recovery
	7/7/20	718.36	721.73	6.59	14.75	8.16	-1.63	715.14	3.23	good recovery
	10/8/20	718.36	721.73	6.88	14.76	7.88	-0.28	714.85	3.52	good recovery
	1/8/21	718.36	721.73	6.47	14.75	8.28	0.40	715.26	3.11	good recovery
	4/1/21	718.36	721.73	5.99	14.75	8.76	0.48	715.74	2.63	good recovery

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Well ID	Date	Ground Elevation	Top of Casing	Depth to Groundwater	Well Depth	Water Column	Water Column Difference	Groundwater Elevation	Depth to Groundwater	Physical Observations
		(feet MSL)	(feet MSL)	(feet TOC)	(feet TOC)	(feet)	(feet)	(feet MSL)	(feet bgs)	
PZ-03	4/4/13	719.00	722.09	4.60	14.85	10.25	--	717.49	1.51	
	10/8/19	718.71	722.29	4.65	14.61	9.96	-0.29	717.64	1.06	good recovery
	1/8/20	718.71	722.29	4.57	14.61	10.04	0.08	717.72	0.98	Duplicate #2
	3/31/20	718.71	722.29	4.54	14.60	10.06	0.02	717.75	0.95	good recovery, dup #02
	7/13/20	718.71	722.29	5.88	14.68	8.80	-1.26	716.41	2.29	good recovery, dup #4
	10/8/20	718.71	722.29	5.72	14.66	8.94	0.14	716.57	2.13	good recovery, dup #4
	1/8/21	718.71	722.29	4.99	14.65	9.66	0.72	717.30	1.40	good recovery
	4/1/21	718.71	722.29	4.48	14.65	10.17	0.51	717.81	0.89	good recovery
PZ-04	4/4/13	717.30	720.22	OB	OB	OB	OB	OB	OB	
	9/27/19	716.59	720.73	4.26	15.75	11.49	--	716.47	0.12	slow recovery
	1/3/20	716.59	720.73	4.24	15.75	11.51	0.02	716.49	0.10	slow recovery
	4/7/20	716.59	720.73	4.24	15.75	11.51	0.00	716.49	0.10	slow recovery
	7/13/20	716.59	720.73	3.75	14.10	10.35	-1.16	716.98	-0.39	purged dry twice
	10/7/20	716.59	720.73	4.20	14.06	9.86	-0.49	716.53	0.06	moderate recovery
	1/8/21	716.59	720.73	3.58	14.05	10.47	0.61	717.15	-0.56	moderate recovery
	3/30/21	716.59	720.73	3.64	14.05	10.41	-0.06	717.09	-0.50	good recovery
PZ-05	4/4/13	724.34	727.43	5.10	14.82	9.72	--	722.33	2.01	
	10/7/19	726.26	727.51	2.07	14.56	12.49	2.77	725.44	0.82	good recovery
	1/3/20	726.26	727.51	1.39	14.56	13.17	0.68	726.12	0.14	
	4/7/20	726.26	727.51	1.85	14.55	12.70	-0.47	725.66	0.60	good recovery
	7/9/20	726.26	727.51	5.05	14.80	9.75	-2.95	722.46	3.80	good recovery
	10/7/20	726.26	727.51	5.90	14.78	8.88	-0.87	721.61	4.65	good recovery
	1/8/21	726.26	727.51	3.55	14.80	11.25	2.37	723.96	2.30	good recovery
	3/30/21	726.26	727.51	2.14	14.80	12.66	1.41	725.37	0.89	good recovery
PZ-06	4/4/13	724.62	727.79	3.91	13.40	9.49	--	723.88	0.74	
	10/8/19	724.50	728.07	3.77	13.55	9.78	0.29	724.30	0.21	slow recovery
	1/3/20	724.50	728.07	3.92	13.55	9.63	-0.15	724.15	0.36	slow recovery
	4/7/20	724.50	728.07	3.93	13.55	9.62	-0.01	724.14	0.37	slow recovery
	7/9/20	724.50	728.07	3.98	13.17	9.19	-0.43	724.09	0.42	poor recovery
	10/8/20	724.50	728.07	4.72	13.17	8.45	-0.74	723.35	1.16	slow recovery
	1/8/21	724.50	728.07	3.97	13.15	9.18	0.73	724.10	0.41	slow recovery
	3/30/21	724.50	728.07	3.87	13.15	9.28	0.10	724.20	0.31	good recovery
PZ-07	4/4/13	725.78	728.72	OB	OB	OB	OB	OB	OB	obstruction
	10/8/19	725.78	728.72	OB	OB	OB	OB	OB	OB	obstruction
	4/7/20	725.78	728.72	OB	OB	OB	OB	OB	OB	obstruction
	7/9/20	725.78	728.72	OB	OB	OB	OB	OB	OB	obstruction
	Abandoned 10/13/2020									
PZ-09	4/4/13	721.12	724.08	OB	OB	OB	OB	OB	OB	obstruction
PZ-09R	10/3/19	720.63	723.62	2.56	17.62	15.06	--	721.06	-0.43	good recovery
	1/7/20	720.63	723.62	2.86	17.62	14.76	-0.30	720.76	-0.13	Duplicate #3
	4/1/20	720.63	723.62	2.81	17.60	14.79	0.03	720.81	-0.18	good recovery
	7/7/20	720.63	723.62	3.33	17.68	14.35	-0.44	720.29	0.34	good recovery, dup #2
	10/5/20	720.63	723.62	2.99	17.69	14.70	0.35	720.63	0.00	good recovery
	1/6/21	720.63	723.62	2.83	17.70	14.87	0.17	720.79	-0.16	good recovery
	3/31/21	720.63	723.62	2.89	17.70	14.81	-0.06	720.73	-0.10	good recovery
PZ-10	4/4/13	722.04	725.05	4.83	14.95	10.12	--	720.22	1.82	
	10/8/19	721.74	725.84	5.83	14.73	8.90	-1.22	720.01	1.73	slow recovery
	1/3/20	721.74	725.84	5.87	14.73	8.86	-0.04	719.97	1.77	
	4/7/20	721.74	725.84	5.82	14.75	8.93	0.07	720.02	1.72	good recovery
	7/7/20	721.74	725.84	5.81	14.62	8.81	-0.12	720.03	1.71	good recovery
	10/8/20	721.74	725.84	5.40	14.61	9.21	0.40	720.44	1.30	slow recovery
	1/8/21	721.74	725.84	5.09	14.60	9.51	0.30	720.75	0.99	slow recovery
	4/1/21	721.74	725.84	5.09	14.60	9.51	0.00	720.75	0.99	slow recovery

Table 2
Groundwater Elevation Results
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Well ID	Date	Ground Elevation	Top of Casing	Depth to Groundwater	Well Depth	Water Column	Water Column Difference	Groundwater Elevation	Depth to Groundwater	Physical Observations
		(feet MSL)	(feet MSL)	(feet TOC)	(feet TOC)	(feet)	(feet)	(feet MSL)	(feet bgs)	
MW-A	4/5/13	716.73	716.15	0.77	11.80	11.03	--	715.38	1.35	
	10/8/19	715.70	715.42	0.79	11.57	10.78	-0.25	714.63	1.07	going dry
	1/3/20	715.70	715.42	0.42	11.57	11.15	0.37	715.00	0.70	
	4/3/20	715.70	715.42	1.22	11.60	10.38	-0.77	714.20	1.50	moderate recovery
	7/13/20	715.70	715.42	1.00	11.67	10.67	0.29	714.42	1.28	good recovery, dup #5
	Abandoned 10/13/2020									
MW-B	4/5/13	714.92	714.49	0.70	11.63	10.93	--	713.79	1.13	
	10/8/19	714.48	714.10	NS	NS	NS	NS	NS	NS	
	1/10/20	714.48	714.10	0.81	11.44	10.63	--	713.29	1.19	Duplicate #5
	4/8/20	714.48	714.10	0.06	11.55	11.49	0.86	714.04	0.44	moderate recovery, dup #05
	7/14/20	714.48	714.10	1.22	11.46	10.24	-1.25	712.88	1.60	good recovery
	Abandoned 10/13/2020									
MW-C	4/5/13	714.18	713.82	0.00	12.50	12.50	--	713.82	0.36	
	10/8/19	713.73	713.31	NS	NS	NS	NS	NS	NS	
	1/10/20	713.73	713.31	NS	11.27	NS	NS	NS	NS	
	4/8/20	713.73	713.31	0.00	11.25	11.25	--	713.31	0.42	good recovery
	7/14/20	713.73	713.31	NS	NS	NS	NS	NS	NS	Well under water
	Abandoned 10/13/2020									
MW-D	4/5/13	716.21	715.85	0.20	12.00	11.80	--	715.65	0.56	
	Not Located: 10/2019, 1/2020, 4/2020, 7/2020, 10/2020, 1/2021									
	4/1/21	716.21	715.85	0.18	11.75	11.57	-0.23	715.67	0.54	good recovery
MW-E	4/5/13	713.26	712.83	1.17	18.85	17.68	--	711.66	1.60	
	10/8/19	712.90	712.57	NS	NS	NS	NS	NS	NS	
	1/10/20	712.90	712.57	1.27	18.61	17.34	--	711.30	1.60	going dry
	4/8/20	712.90	712.57	1.17	18.60	17.43	0.09	711.40	1.50	moderate recovery
	7/14/20	712.90	712.57	2.40	19.46	17.06	-0.37	710.17	2.73	good recovery
	Abandoned 10/13/2020									
MW-F	4/5/13	713.52	713.10	1.95	19.55	17.60	--	711.15	2.37	
	10/8/19	713.34	712.97	NS	NS	NS	NS	NS	NS	
	1/10/20	713.34	712.97	2.60	19.41	16.81	--	710.37	2.98	
	4/8/20	713.34	712.97	2.43	19.40	16.97	0.16	710.54	2.81	good recovery
	7/14/20	713.34	712.97	1.40	18.60	17.20	0.23	711.57	1.78	purged dry
	Abandoned 10/13/2020									
MW-G	4/5/13	713.21	712.75	1.55	13.83	12.28	--	711.20	2.01	
	10/8/19	712.69	712.48	NS	NS	NS	NS	NS	NS	
	1/10/20	712.69	712.48	NS	NS	NS	NS	NS	NS	
	4/8/20	712.69	712.48	NS	NS	NS	NS	NS	NS	
	7/14/20	712.69	712.48	NS	NS	NS	NS	NS	NS	destroyed
	Abandoned 10/13/2020									
MW-H	4/5/13	710.40	710.07	0.00	18.10	18.10	--	710.07	0.33	
	10/8/19	710.01	709.72	NS	NS	NS	NS	NS	NS	
	1/10/20	710.01	709.72	0.10	17.85	17.75	--	709.62	0.39	
	4/8/20	710.01	709.72	0.00	17.85	17.85	0.10	709.72	0.29	good recovery
	7/14/20	710.01	709.72	0.00	17.77	17.77	-0.08	709.72	0.29	good recovery
	10/8/20	710.01	709.72	0.15	17.78	17.63	-0.14	709.57	0.44	good recovery
	1/8/21	710.01	709.72	0.42	17.80	17.38	-0.25	709.30	0.71	good recovery
	4/1/21	710.01	709.72	0.12	17.80	17.68	0.30	709.60	0.41	good recovery
MW-I	4/5/13	710.27	709.92	1.50	9.00	7.50		708.42	1.85	
	Not Located: 10/2019, 1/2020, 4/2020, 7/2020, 10/2020, 1/2021									
	4/1/21	710.27	709.92	1.21	8.90	7.69	0.19	708.71	1.56	good recovery

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		(feet MSL)	(feet MSL)	(feet TOC)	(feet TOC)	(feet)	(feet)	(feet MSL)	(feet bgs)	
MW-J	4/5/13	710.08	709.85	0.00	14.75	14.75	--	709.85	0.23	
	10/8/19	710.08	709.85	NS	NS	NS	NS	NS	NS	
	1/10/20	710.08	709.85	0.12	14.53	14.41	--	709.73	0.35	
	4/8/20	710.08	709.85	0.05	14.55	14.50	0.09	709.80	0.28	good recovery
	7/13/20	710.08	709.85	0.00	14.50	14.50	0.00	709.85	0.23	good recovery
	Abandoned 10/13/2020									
MW-K	4/5/13	707.13	706.70	NS	NS	NS	NS	NS	NS	submerged
	Submerged: 10/2019, 1/2020, 4/2020, 7/2020, 10/2020, 1/2021; abandoned 3/19/2021									

Notes:

1. feet MSL = feet above Mean Sea Level
2. feet bgs = feet below ground surface
3. feet TOC = feet below top of casing
4. OB = obstruction
5. NS = not sampled

Table 3
Groundwater *In Situ* Results
Moss American - 8716 North Granville Road, Milwaukee, WI
Sigma Project No. 18687

Well ID	Date	In Situ Measurements						
		pH	Temperature (° C)	Ferrous Iron (mg/l)	Specific Conductance (mmhos/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/l)	Redox Potential (mV)
MW-5S	9/27/10	6.57	12.15	NA	1.695	0.72	11.20	36.1
	4/4/13	7.20	9.00	3.0	NA	NA	2.00	35.0
	10/8/19	7.37	10.5	2.2	1.938	187	0.61	348.6
	1/3/20	7.64	10.2	0.0	1.436	37.6	1.84	204.4
	3/31/20	7.52	8.1	0.0	1.491	64.5	2.47	237.1
	7/6/20	6.44	10.8	0.6	1.345	34.4	2.61	236.4
	10/7/20	7.40	11.1	0.0	1.157	33.8	0.28	-114.2
	1/6/21	7.85	10.6	0.0	1.117	34.6	0.63	-41.4
	3/31/21	7.60	9.3	0.0	1.100	63.2	0.91	140.3
MW-7S	9/28/10	6.89	13.12	NA	1.244	4.16	0.80	-70.0
	4/4/13	7.10	5.90	3.6	NA	NA	1.40	-15.0
	10/7/19	7.21	14.6	2.8	1.867	132	1.58	301.5
	1/3/20	7.20	7.5	2.8	1.142	82.9	1.02	172.4
	3/31/20	7.55	4.4	4.2	0.572	41.3	2.86	247.0
	7/6/20	7.81	17.8	4.0	0.719	9.8	2.77	129.2
	10/8/20	7.22	14.5	2.0	1.051	42.7	0.31	-141.7
	1/8/21	7.49	6.9	3.0	1.055	16.1	0.56	-79.5
	4/1/21	7.39	5.1	2.0	0.936	18.2	1.06	97.4
MW-7S-W	9/29/10	NI	NI	NI	NI	NI	NI	NI
	4/5/13	7.20	6.10	0.0	NA	NA	1.90	-182.0
MW-7S-WR	10/3/19	7.19	14.3	0.0	1.531	7.21	1.41	274.3
	1/3/20	7.43	7.3	0.0	1.239	15.0	0.80	216.3
	3/31/20	7.55	5.6	0.0	1.207	28.5	3.12	205.6
	7/6/20	6.44	14.5	0.8	1.226	31.1	2.64	245.0
	10/5/20	7.20	13.9	0.0	1.066	10.4	0.11	-51.2
	1/6/21	7.55	9.2	0.0	1.017	11.8	0.48	-65.4
	4/1/21	7.38	7.0	2.4	1.036	14.3	0.93	104.3
MW-9S	9/30/10	6.69	13.75	NA	0.980	2.06	1.70	-21.3
	4/4/13	7.30	5.60	8.0	NA	NA	1.50	-36.0
	9/27/19	6.89	12.8	2.0	1.536	52.1	1.5	237.2
	12/31/19	6.76	6.7	2.4	1.337	29.5	0.62	265.3
	4/3/20	7.46	6.6	4.8	1.249	35.7	0.81	186.5
	7/13/20	7.41	14.3	4.6	1.056	30.4	2.01	221.3
	10/6/20	6.91	12.4	5.0	1.014	55.4	0.10	-83.6
	1/7/21	7.24	7.2	3.8	1.000	36.7	0.48	2.7
	3/30/21	7.16	6.0	1.8	1.005	51.3	0.64	143.7
MW-27S	9/27/10	6.47	14.51	NA	1.471	1.44	0.80	-70.1
	4/4/13	7.30	7.50	3.0	NA	NA	1.40	-58.0
	10/3/19	OB	OB	OB	OB	OB	OB	OB
	3/31/20	OB	OB	OB	OB	OB	OB	OB
	7/6/20	OB	OB	OB	OB	OB	OB	OB
	Abandoned 10/13/2020							

Table 3
Groundwater *In Situ* Results
Moss American - 8716 North Granville Road, Milwaukee, WI
Sigma Project No. 18687

Well ID	Date	In Situ Measurements						
		pH	Temperature (° C)	Ferrous Iron (mg/l)	Specific Conductance (mmhos/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/l)	Redox Potential (mV)
MW-30S	9/28/10	6.72	13.87	NA	1.370	0.46	0.80	45.5
	4/4/13	7.30	7.60	0.8	NA	NA	1.90	40.0
	10/8/19	7.09	11.6	1.6	1.988	187	1.9	346.9
	1/3/20	7.29	9.6	0.0	1.403	133	0.54	220.3
	3/31/20	7.57	7.1	1.4	1.337	89.1	1.77	242.0
	7/6/20	6.44	12.2	1.2	1.337	28.3	2.54	219.9
	10/7/20	7.14	12.0	0.0	1.104	30.2	0.15	-83.7
	1/6/21	7.48	9.8	0.0	1.057	21.4	0.49	-15.3
	3/31/21	7.20	8.1	0.0	1.048	31.3	1.64	158.4
MW-31S	9/29/10	6.90	13.37	NA	1.116	4.51	0.80	-16.1
	4/3/13	NS	NS	NS	NS	NS	NS	NS
MW-31SR	10/8/19	7.34	11.9	0.0	1.431	13.5	5.1	255.2
	12/31/19	7.22	8.9	0.0	0.968	19.3	1.54	225.9
	4/7/20	7.92	5.7	0.0	0.966	39.9	1.89	182.2
	7/8/20	7.60	18.2	0.0	0.839	12.0	2.23	271.4
	10/8/20	7.36	13.1	0.0	0.880	37.8	0.27	-85.4
	obstructed 1/7/21 - ice							
	3/30/21	7.46	6.9	0.0	0.841	21.5	0.34	117.7
MW-32S	9/27/10	6.40	16.49	NA	1.136	2.08	2.40	-57.6
	4/4/13	7.40	6.40	6.8	NA	NA	1.40	-159.0
MW-32SR	10/3/19	6.74	12.7	3.8	1.873	34.6	2.2	347.0
	12/31/19	6.95	9.3	2.2	1.243	too turbid for meter	1.82	250.4
	3/31/20	7.30	6.9	3.2	1.376	41.9	0.99	255.9
	7/6/20	6.67	12.7	1.4	0.876	39.6	0.98	192.7
	10/7/20	6.95	13.9	0.0	1.079	10.2	0.14	-108.4
	1/6/21	7.37	9.8	1.8	1.015	20.8	0.38	-103.5
	4/1/21	7.23	7.9	2.4	0.965	5.1	0.47	108.3
MW-33S	9/28/10	6.34	14.60	NA	1.236	1.55	3.70	-18.2
	4/4/13	6.90	6.50	3.6	NA	NA	1.10	-15.0
	10/3/19	6.68	12.7	4.4	1.810	17.7	1.44	265.3
	12/31/19	7.50	6.5	2.0	1.253	17.8	1.08	251.1
	3/31/20	7.28	7.2	4.6	1.348	21.0	2.61	196.1
	7/6/20	7.11	13.6	1.4	1.061	80.2	2.83	187.1
	10/5/20	6.97	14.0	3.0	1.253	48.0	0.64	-186.7
	1/6/21	7.29	8.4	3.6	1.186	1.7	0.82	-191.8
	4/1/21	7.33	7.3	2.4	1.027	15.5	1.89	151.7

Table 3
Groundwater *In Situ* Results
Moss American - 8716 North Granville Road, Milwaukee, WI
Sigma Project No. 18687

Well ID	Date	In Situ Measurements						
		pH	Temperature (° C)	Ferrous Iron (mg/l)	Specific Conductance (mmhos/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/l)	Redox Potential (mV)
MW-34S	9/28/10	NS	NS	NS	NS	NS	NS	NS
	4/4/13	7.20	6.20	7.0	NA	NA	0.49	-160.0
MW-34SR	10/7/19	6.74	14.2	0.0	3.472	10.5	1.29	282.1
	1/3/20	6.87	10.5	3.2	3.319	11.7	0.97	191.3
	3/31/20	7.38	8.1	3.2	2.318	12.8	1.89	283.1
	7/6/20	6.25	13.7	1.4	2.474	9.9	3.34	-38.7
	10/5/20	6.93	13.5	0.8	2.460	14.6	0.20	-111.7
	1/6/21	7.27	11.1	0.8	2.573	9.7	0.44	-143.4
	4/1/21	7.18	8.1	2.0	1.949	22.0	0.56	137.4
MW-34S-N	9/28/10	NI	NI	NI	NI	NI	NI	NI
	4/5/13	7.10	6.00	0.0	NA	NA	2.40	131.0
	10/8/19	7.63	14.6	0.0	0.898	253	3.88	267.8
	1/8/20	7.92	4.6	0.0	0.734	630	6.84	200.7
	3/31/20	OB	OB	OB	OB	OB	OB	OB
	7/6/20	OB	OB	OB	OB	OB	OB	OB
	Abandoned 10/13/2020							
MW-35S	9/28/10	6.46	16.26	NA	1.527	0.91	0.80	-38.9
	4/4/13	NS	NS	NS	NA	NA	NS	NS
	10/17/19	7.12	16.1	4.4	1.298	201	2.92	307.8
	1/8/20	7.37	7.3	2.6	1.420	28.9	1.56	151.3
	4/2/20	7.21	6.2	4.2	1.482	14.6	1.96	243.7
	7/8/20	6.93	14.7	3.4	1.220	25.0	2.73	202.1
	10/7/20	6.98	15.1	3.8	1.135	61.4	0.23	-138.4
	1/6/21	7.29	8.6	2.6	1.150	25.4	0.40	-70.2
	3/31/21	7.03	6.2	2.8	1.233	23.9	0.39	149.0
MW-37S	9/29/10	6.71	15.58	NA	1.115	0.43	3.00	-18.6
	4/4/13	7.70	7.40	0.0	NA	NA	1.30	122.0
	10/7/19	7.56	12.5	4.4	1.223	64	0.8	218.9
	12/31/19	7.34	9.9	0.0	1.040	31.7	0.36	230.6
	4/7/20	7.76	6.7	0.0	0.969	26.0	0.72	173.5
	7/9/20	7.46	11.6	2.0	0.847	229.0	1.81	194.7
	10/7/20	7.45	12.9	0.0	0.910	29.5	0.11	-139.9
	1/7/21	7.70	10.3	0.8	0.918	22.9	0.38	-105.4
	3/30/21	7.53	7.9	1.0	0.921	19.9	0.41	134.5
MW-38S	9/28/10	6.87	14.32	NA	1.221	4.75	1.00	-43.3
	4/4/13	7.00	7.90	2.0	NA	NA	1.10	-33.0
	10/7/19	7.02	15.3	1.6	1.337	103	2.95	267.4
	1/3/20	6.94	9.0	2.8	1.714	87.1	1.21	240.4
	4/2/20	7.97	7.4	2.2	1.115	44.4	0.83	130.8
	7/8/20	7.37	14.1	0.4	1.023	8.3	2.86	251.4
	10/8/20	7.19	14.2	1.6	0.958	66.7	0.31	-150.4
	1/8/21	7.62	7.4	2.0	0.904	42.6	0.39	-98.6
	4/1/21	7.69	7.8	1.0	1.221	40.0	0.52	90.6

Table 3
Groundwater *In Situ* Results
Moss American - 8716 North Granville Road, Milwaukee, WI
Sigma Project No. 18687

Well ID	Date	In Situ Measurements						
		pH	Temperature (° C)	Ferrous Iron (mg/l)	Specific Conductance (mmhos/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/l)	Redox Potential (mV)
MW-39S	9/28/10	6.75	16.04	NA	1.255	4.84	0.40	-48.3
	4/4/13	7.60	6.50	4.2	NA	NA	0.97	-104.0
	10/8/19	6.93	15.9	2.8	1.607	121	2.36	292.6
	1/3/20	7.04	8.5	4.2	1.460	145	1.64	202.9
	3/31/20	7.45	6.3	4.6	1.431	159	1.93	254.3
	7/6/20	6.31	13.7	5.6	1.237	660	2.81	169.2
	10/5/20	6.99	13.8	2.2	1.094	9.57	0.09	-59.9
	1/6/21	7.36	10.2	3.4	0.990	12.5	0.32	-68.4
	4/1/21	7.23	7.8	0.8	0.938	16.9	0.51	91.1
TG1-1	9/29/10	NA	NA	NA	NA	NA	NA	NA
	4/3/13	7.20	5.80	4.0	NA	NA	0.85	-120.0
TG1-1R	10/3/19	7.27	12.4	0.0	3.931	14.1	0.95	353.8
	1/7/20	7.33	9.3	0.0	2.985	2.4	0.36	218.5
	4/1/20	7.64	7.1	0.0	2.735	13.3	1.57	229.4
	7/7/20	6.87	11.5	0.0	2.075	6.0	1.18	156.7
	10/5/20	7.39	12.2	0.0	2.660	11.3	0.08	-110.4
	1/6/21	7.67	10.6	1.2	2.345	3.1	0.53	-93.1
	3/31/21	7.52	7.8	0.6	2.145	6.6	0.48	145.6
TG1-2	10/3/19	7.14	14.6	5.0	2.165	44.2	1.92	322.0
	1/7/20	7.22	7.4	2.6	1.672	33.9	0.67	195.7
	3/31/20	7.52	5.4	2.6	1.758	20.5	1.74	270.6
	7/7/20	6.51	13.4	3.6	1.362	23.0	2.11	222.2
	10/5/20	7.34	14.3	3.6	1.508	42.5	0.20	-148.7
	1/6/21	7.66	8.3	2.2	1.424	28.2	0.38	-107.8
	3/31/21	7.42	6.6	2.6	1.542	36.9	0.63	151.9
TG1-3	9/29/10	6.97	16.08	NA	1.196	3.81	1.68	-124.0
	4/3/13	7.10	5.10	3.6	NA	NA	0.55	-88.0
	10/3/19	7.00	16.0	4.5	1.927	42.6	1.91	160.0
	1/8/20	7.30	7.0	1.6	1.539	26.3	1.21	197.6
	3/31/20	7.46	6.2	2.8	1.373	34.9	0.54	254.9
	7/7/20	6.87	17.2	2.4	1.116	20.0	1.11	52.3
	10/5/20	7.21	15.3	3.6	1.240	40.4	0.09	-134.4
	1/6/21	7.54	8.4	3.2	1.289	78.8	0.54	-169.2
	3/31/21	7.51	6.5	3.4	1.330	47.6	1.92	150.4
TG2-1	9/29/10	6.77	14.23	NA	1.089	3.53	0.76	-2.5
	4/3/13	7.20	5.20	0.0	NA	NA	0.60	12.0
	10/8/19	7.20	13.5	0.0	1.502	33.4	2.2	266.7
	1/7/20	7.24	6.5	0.0	1.175	11.9	0.74	197.2
	4/1/20	7.49	5.3	1.2	1.122	34.0	0.64	243.5
	7/7/20	5.65	12.3	0.8	0.990	8.6	1.02	410.2
	Destroyed; Abandoned July 2020							

Table 3
Groundwater *In Situ* Results
Moss American - 8716 North Granville Road, Milwaukee, WI
Sigma Project No. 18687

Well ID	Date	In Situ Measurements						
		pH	Temperature (° C)	Ferrous Iron (mg/l)	Specific Conductance (mmhos/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/l)	Redox Potential (mV)
TG2-2	10/8/19	7.24	14.1	2.4	1.431	127	1.0	267.3
	1/7/20	7.32	7.0	1.6	1.067	131.0	0.90	194.0
	4/1/20	7.42	6.4	4.0	1.117	144.0	0.72	240.7
	7/7/20	7.07	14.5	4.8	0.926	89.9	1.15	196.9
	10/5/20	7.25	15.1	3.4	0.950	17.2	0.07	-142.9
	1/6/21	7.58	7.8	1.6	0.804	12.3	0.37	-134.1
	3/30/21	7.33	6.0	1.6	0.910	53.5	0.40	125.1
TG2-3	9/29/10	6.88	16.63	NA	0.996	3.62	1.12	-113.6
	4/3/13	NS	NS	NS	NA	NA	NS	NS
	10/8/19	6.99	14.3	0.0	1.819	99.1	1.0	267.2
	1/7/20	7.45	7.5	0.0	1.006	46.3	1.46	193.1
	4/1/20	7.88	6.2	0.0	0.905	26.5	1.89	242.7
	7/7/20	6.62	12.6	3.6	1.114	14.5	1.25	136.6
	10/5/20	7.07	14.9	0.0	0.966	23.9	0.16	-87.7
	1/6/21	7.61	8.2	0.0	0.869	21.9	0.34	-69.8
	3/30/21	7.13	6.5	0.0	1.005	14.4	0.42	124.8
TG3-1	9/29/10	6.81	16.75	NA	1.196	3.69	3.04	-67.1
	4/3/13	7.20	5.60	2.4	NA	NA	1.30	-96.0
	10/8/19	6.91	14.5	2.0	1.797	104	2.20	251.5
	1/7/20	7.35	6.0	4.2	1.177	48.4	0.73	204.1
	4/2/20	7.03	5.4	2.8	1.183	66.8	1.07	243.7
	7/8/20	6.91	16.5	5.0	0.788	23.4	1.89	377.4
	10/6/20	7.01	15.4	2.4	0.992	49.2	0.44	-163.1
	1/7/21	7.31	8.5	2.2	0.978	40.4	0.44	-71.2
	3/31/21	7.19	6.3	3.4	0.902	33.8	0.37	137.4
TG3-2	10/8/19	7.12	15.2	2.6	1.503	105	2.0	263.4
	1/7/20	7.50	6.8	3.2	1.150	75.5	1.04	208.2
	4/2/20	7.08	5.4	3.8	1.087	112.0	0.80	243.8
	7/8/20	7.26	17.0	4.4	0.755	316.0	1.56	263.1
	10/6/20	7.19	15.2	3.0	0.935	19.5	0.16	-145.7
	1/7/21	7.57	8.2	2.6	0.957	28.4	0.41	-129.9
	3/31/21	7.31	6.0	1.8	0.942	35.3	0.52	132.2
TG3-3	9/29/10	6.79	16.79	NA	1.106	4.00	1.19	-81.5
	4/3/13	NS	NS	NS	NA	NA	NS	NS
	10/8/19	6.96	14.2	2.4	1.643	32.9	2.8	279.4
	1/8/20	7.26	6.9	2.2	1.269	91.7	1.43	183.1
	4/2/20	6.98	5.5	3.2	1.195	158.0	0.78	246.7
	7/8/20	7.25	18.3	6.2	0.952	43.5	1.49	187.6
	10/6/20	6.98	15.0	2.2	1.026	33.3	0.16	-123.6
	obstructed 1/7/21 - ice							
	3/31/21	7.10	6.0	2.2	1.114	21.7	0.58	132.7

Table 3
Groundwater *In Situ* Results
Moss American - 8716 North Granville Road, Milwaukee, WI
Sigma Project No. 18687

Well ID	Date	In Situ Measurements						
		pH	Temperature (° C)	Ferrous Iron (mg/l)	Specific Conductance (mmhos/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/l)	Redox Potential (mV)
TG4-1	9/29/10	6.97	15.83	NA	1.12	1.60	5.16	70.4
	4/3/13	NS	NS	NS	NA	NA	NS	NS
	10/7/19	7.10	15.2	4.2	1.673	79.1	2.7	271.5
	12/31/19	7.13	7.4	2.8	1.356	19.3	0.47	249.5
	4/2/20	7.09	5.2	3.4	1.270	16.0	0.53	243.8
	7/8/20	7.34	18.5	4.4	1.039	28.4	2.11	207.3
	10/7/20	7.18	15.0	2.2	1.051	18.8	0.06	-175.2
	1/7/21	7.60	8.1	2.0	0.738	29.1	0.49	-75.7
	3/31/21	7.36	5.9	2.0	0.992	25.7	0.38	122.2
TG4-2	10/7/19	7.22	15.4	4.0	1.538	116	2.1	284.2
	12/31/19	7.15	8.1	2.4	1.270	24.6	0.92	270.8
	4/2/20	7.09	5.4	2.8	1.215	38.7	0.51	244.6
	7/8/20	7.37	15.8	4.6	1.043	30.5	1.58	173.2
	10/7/20	7.13	15.2	4.0	1.033	28.1	0.32	-153.6
	1/7/21	7.62	8.3	2.6	1.028	29.4	0.57	-127.0
	3/31/21	7.32	6.2	2.0	1.045	33.4	0.39	124.6
TG4-3	9/29/10	7.16	15.96	NA	1.118	0.85	5.63	-6.3
	4/3/13	7.10	6.20	4.2	NA	NA	0.90	-129.0
	10/7/19	7.28	13.6	4.4	1.640	261	1.7	299.7
	12/31/19	7.30	8.3	2.2	1.263	32.6	2.50	271.3
	4/2/20	7.11	5.6	3.2	1.112	60.1	0.51	245.7
	7/8/20	7.54	16.6	4.4	0.953	57.0	1.83	168.2
	10/6/20	7.40	14.7	3.4	0.884	24.0	0.73	-119.2
	1/7/21	7.78	8.3	2.2	0.969	31.9	0.88	-167.3
	3/31/21	7.40	6.5	1.4	1.005	22.7	0.43	125.7
TG5-1	9/29/10	6.89	15.68	NA	1.249	1.00	5.37	81.0
	4/3/13	7.00	6.10	4.0	NA	NA	1.00	-8.0
	9/27/19	7.13	13.4	2.4	3.181	47.8	2.4	333.2
	1/7/20	7.37	8.1	3.2	2.274	75.9	1.31	204.7
	4/3/20	7.79	6.3	3.2	1.525	7.0	2.15	195.7
	7/9/20	7.06	11.7	3.8	1.153	308.0	0.70	125.0
	10/6/20	7.15	14.1	2.0	1.414	42.8	0.25	-85.3
	1/7/21	7.54	9.3	1.8	1.585	47.8	0.36	-121.4
	3/30/21	7.37	6.9	5.0	1.681	21.3	0.39	155.2
TG5-2	10/7/19	7.02	14.8	5.2	1.678	139	2.7	289.0
	1/7/20	7.22	6.1	4.2	1.330	25.0	0.93	215.3
	4/3/20	7.11	6.9	3.8	1.162	45.2	1.40	197.3
	7/9/20	7.63	14.0	3.6	1.076	6.2	2.13	174.1
	10/7/20	7.08	16.8	3.2	1.091	20.2	0.40	-143.3
	obstructed 1/7/21 - ice							
	3/30/21	7.62	6.2	1.0	0.328	47.5	0.61	132.2

Table 3
Groundwater *In Situ* Results
Moss American - 8716 North Granville Road, Milwaukee, WI
Sigma Project No. 18687

Well ID	Date	In Situ Measurements						
		pH	Temperature (° C)	Ferrous Iron (mg/l)	Specific Conductance (mmhos/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/l)	Redox Potential (mV)
TG5-3	9/29/10	7.08	15.31	NA	1.051	4.50	1.04	-36.5
	4/3/13	7.10	6.40	1.4	NA	NA	1.00	-14.0
	9/27/19	7.13	12.2	1.2	1.633	19.9	1.5	315.2
	12/31/19	7.05	8.9	0.6	1.199	68.5	2.00	222.4
	4/3/20	7.39	6.5	1.6	1.144	24.4	0.88	196.3
	7/9/20	7.21	10.4	0.0	0.985	33.9	0.59	188.2
	10/6/20	7.23	13.5	0.0	0.974	20.8	0.38	-50.2
	1/7/21	7.70	9.5	0.0	0.980	28.2	1.59	-13.0
	3/30/21	7.34	7.1	1.0	0.988	38.6	0.44	145.0
TG6-1	9/29/10	6.86	16.71	NA	1.359	2.06	0.72	-110.7
	4/3/13	7.30	5.80	0.0	NA	NA	1.20	-107.0
	9/27/19	6.90	13.5	0.0	1.456	16.7	2.9	289.3
	12/31/19	7.20	7.8	1.4	0.983	20.0	1.81	281.4
	4/7/20	7.35	6.1	2.6	0.986	18.4	0.89	185.4
	7/9/20	7.11	13.3	0.2	0.914	9.1	1.73	208.6
	10/6/20	7.13	15.1	2.2	0.851	7.17	0.17	-110.9
	1/7/21	7.54	8.5	0.0	0.721	20.4	0.47	-39.2
	3/30/21	7.22	6.6	1.0	0.740	13.3	0.36	155.0
TG6-2	9/27/19	6.86	13.9	1.4	1.596	21.2	3.3	294.2
	1/10/20	7.12	6.4	0.0	1.241	17.8	1.81	163.6
	4/7/20	7.49	5.4	3.0	1.087	24.9	0.58	181.7
	7/9/20	6.81	13.7	4.0	0.689	30.9	1.90	161.0
	10/6/20	6.87	15.4	2.6	0.894	24.4	0.51	-73.0
	1/7/21	7.30	8.5	1.2	1.066	86.8	0.44	-52.1
	3/30/21	7.00	6.5	2.0	1.036	31.7	0.31	151.7
TG6-3	9/29/10	6.58	15.76	NA	1.330	1.15	1.33	-46.4
	4/3/13	7.30	3.80	4.2	NA	NA	1.40	-14.0
	9/27/19	7.34	14.4	0.0	0.628	80.8	0.9	283.9
	12/31/19	7.06	5.8	2.4	1.137	27.3	2.78	283.7
	4/7/20	7.86	5.0	3.4	0.413	40.0	3.72	169.4
	7/9/20	7.35	14.4	0.8	0.414	34.5	1.83	159.1
	10/6/20	7.26	14.2	2.0	0.504	28.6	2.42	-72.9
	1/7/21	7.30	6.7	2.4	0.953	40.0	0.62	-12.4
	3/30/21	7.22	5.4	2.8	0.687	48.2	0.37	144.8
PZ-01	10/8/19	6.98	13.4	0.0	1.578	389	3.2	263.1
	1/7/20	7.63	7.7	0.0	0.896	22.9	1.37	220.7
	4/7/20	7.90	6.4	0.0	0.838	51.7	0.92	168.0
	7/9/20	7.61	13.4	0.0	0.809	34.8	2.11	236.3
	10/8/20	7.53	14.6	0.0	0.749	20.4	0.73	-171.9
	1/8/21	7.96	5.8	0.0	0.717	43.9	0.57	-80.3
	3/30/21	7.69	6.9	0.0	0.703	31.7	0.72	161.3

Table 3
Groundwater *In Situ* Results
Moss American - 8716 North Granville Road, Milwaukee, WI
Sigma Project No. 18687

Well ID	Date	In Situ Measurements						
		pH	Temperature (° C)	Ferrous Iron (mg/l)	Specific Conductance (mmhos/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/l)	Redox Potential (mV)
PZ-02	9/29/10	NS	NS	NS	NS	NS	NS	NS
	4/4/13	7.00	6.00	4.0	NA	NA	1.00	-12.0
	10/3/19	6.80	13.5	3.0	1.616	33.0	3.45	278.4
	1/7/20	6.87	8.6	3.0	1.456	26.0	1.08	186.6
	3/31/20	7.43	4.9	4.2	0.860	8.6	3.08	210.9
	7/7/20	7.86	13.1	1.0	1.165	13.5	4.32	291.1
	10/8/20	6.92	13.8	1.4	1.119	22.3	0.22	-142.0
	1/8/21	7.35	7.8	2.6	1.072	26.1	0.34	-67.9
	4/1/21	7.46	7.9	1.4	1.099	21.6	0.49	101.6
PZ-03	9/29/10	NS	NS	NS	NS	NS	NS	NS
	4/4/13	7.20	6.80	4.0	NA	NA	0.95	-20.0
	10/8/19	6.93	16.5	3.4	2.028	172	2.84	342.6
	1/8/20	7.00	6.8	2.4	1.518	86.7	0.86	117.6
	3/31/20	7.16	5.0	2.4	0.746	66.0	3.20	252.7
	7/13/20	7.18	16.1	4.8	1.253	77.9	2.25	135.2
	10/8/20	6.93	16.5	1.4	1.242	14.9	0.15	-176.1
	1/8/21	7.44	5.3	1.0	0.978	33.3	0.38	-132.3
	4/1/21	7.53	8.2	3.6	0.898	18.9	0.53	92.6
PZ-04	9/27/19	7.01	12.6	1.2	1.567	853	1.6	247.2
	1/3/20	7.41	5.7	0.0	1.394	7.89	4.97	215.5
	4/7/20	7.87	6.1	1.4	0.634	31.4	3.22	165.2
	7/13/20	7.18	11.9	1.6	1.187	19.9	2.12	185.3
	10/7/20	7.27	13.3	1.8	1.095	15.0	2.33	-116.0
	1/8/21	7.78	6.7	1.0	1.245	20.4	2.18	-62.5
	3/30/21	7.41	5.9	1.0	1.023	16.2	0.67	149.7
PZ-05	10/7/19	7.60	14.9	1.2	1.260	122	2.2	292.3
	1/3/20	7.05	9.3	2.6	1.457	22.0	1.08	198.6
	4/7/20	7.67	6.9	3.2	1.376	60.1	1.81	169.8
	7/9/20	7.71	14.4	0.0	1.166	9.5	0.52	179.2
	10/7/20	7.08	13.4	0.0	1.156	18.2	0.55	-85.3
	1/8/21	7.58	6.1	0.0	1.095	21.7	0.42	-37.0
	3/30/21	7.33	7.0	1.2	0.686	12.7	1.88	170.6
PZ-06	10/8/19	7.08	12.3	0.0	1.658	55.1	2.1	253.2
	1/3/20	7.50	6.5	0.0	1.175	31.9	3.11	169.9
	4/7/20	7.91	6.4	1.0	1.024	19.7	1.54	167.6
	7/9/20	7.33	15.5	0.0	0.965	9.5	2.61	290.7
	10/8/20	7.43	14.8	0.0	0.894	9.27	3.20	-115.7
	1/8/21	8.00	5.6	0.0	0.937	20.5	1.19	-40.6
	3/30/21	7.84	7.2	1.0	0.909	15.4	0.82	157.3

Table 3
Groundwater *In Situ* Results
Moss American - 8716 North Granville Road, Milwaukee, WI
Sigma Project No. 18687

Well ID	Date	In Situ Measurements						
		pH	Temperature (° C)	Ferrous Iron (mg/l)	Specific Conductance (mmhos/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/l)	Redox Potential (mV)
PZ-07	10/8/19	OB	OB	OB	OB	OB	OB	OB
	4/7/20	OB	OB	OB	OB	OB	OB	OB
	7/9/20	OB	OB	OB	OB	OB	OB	OB
	Abandoned 10/13/2020							
PZ-09R	10/3/19	6.98	13.5	5.0	1.393	352	2.8	325.0
	1/7/20	7.24	8.8	3.0	0.883	66.0	1.15	188.6
	4/1/20	7.78	6.5	3.2	0.789	19.1	0.72	233.0
	7/7/20	7.11	15.0	2.2	0.692	23.1	2.13	285.3
	10/5/20	6.98	12.6	1.8	0.917	16.4	0.08	-85.9
	1/6/21	7.56	10.1	3.2	0.755	78.8	0.35	-62.8
	3/31/21	7.62	8.0	1.2	0.874	14.5	0.75	127.6
PZ-10	9/29/10	NS	NS	NS	NS	NS	NS	NS
	4/4/13	7.20	5.80	7.0	NA	NA	1.40	-103.0
	10/8/19	7.11	16.1	4.8	1.137	550	2.31	325.1
	1/3/20	7.16	8.2	2.2	1.693	70.1	1.60	164.5
	4/7/20	7.87	6.4	2.0	0.838	70.0	2.26	200.4
	7/7/20	8.25	15.8	4.4	1.383	25.5	1.73	215.1
	10/8/20	7.18	15.5	2.8	1.356	57.4	0.57	-132.4
	1/8/21	7.82	6.1	2.4	1.283	37.0	0.48	-61.8
	4/1/21	7.46	8.0	1.6	0.622	18.5	0.41	107.4
MW-A	9/30/10	6.76	14.09	NA	NA	NA	0.43	-48.0
	4/5/13	7.30	5.80	4.0	NA	NA	1.70	173.0
	10/8/19	7.02	12.1	2.4	1.631	152	1.81	298.3
	1/3/20	7.38	7.4	0.0	0.688	36.5	5.46	233.3
	4/3/20	7.35	6.3	3.0	1.338	77.3	0.94	187.5
	7/13/20	6.98	12.4	0.0	0.286	98.3	1.96	286.1
	Abandoned 10/13/2020							
MW-B	9/27/10	6.87	13.58	NA	NS	NS	0.98	19.6
	4/5/13	7.30	4.70	1.0	NS	NS	1.40	27.0
	10/8/19	NS	NS	NS	NS	NS	NS	NS
	1/10/20	7.35	7.4	3.0	2.049	146.0	3.33	212.9
	4/8/20	7.96	5.7	2.8	2.835	120.0	2.41	242.5
	7/14/20	7.41	12.6	4.0	1.599	147.0	2.19	323.1
	Abandoned 10/13/2020							
MW-C	9/27/10	7.01	12.83	NA	NS	NS	1.28	-53.5
	4/5/13	7.30	6.90	2.0	NS	NS	1.20	-31.0
	10/8/19	NS	NS	NS	NS	NS	NS	NS
	1/10/20	NS	NS	NS	NS	NS	NS	NS
	4/8/20	7.86	7.1	4.4	1.656	too turbid for meter	1.61	224.9
	7/14/20	NS	NS	NS	NS	NS	NS	NS
	Abandoned 10/13/2020							

Table 3
Groundwater *In Situ* Results
Moss American - 8716 North Granville Road, Milwaukee, WI
Sigma Project No. 18687

Well ID	Date	In Situ Measurements						
		pH	Temperature (° C)	Ferrous Iron (mg/l)	Specific Conductance (mmhos/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/l)	Redox Potential (mV)
MW-D	9/27/10	6.71	13.82	NA	NS	NS	1.64	-87.6
	4/5/13	7.40	5.70	4.0	NS	NS	1.80	75.0
	10/8/19	NS	NS	NS	NS	NS	NS	NS
	1/10/20	NS	NS	NS	NS	NS	NS	NS
	4/8/20	NS	NS	NS	NS	NS	NS	NS
	7/14/20	NS	NS	NS	NS	NS	NS	NS
	Not Located 10/2019, 1/2020, 4/2020, 7/2020, 10/2020, 1/2021							
	4/1/21	7.41	7.0	0.0	2.895	6.5	1.06	149.7
MW-E	9/30/10	7.16	12.57	NA	NS	NS	NA	NA
	4/5/13	7.50	7.50	0.0	NS	NS	1.10	-10.0
	10/8/19	NS	NS	NS	NS	NS	NS	NS
	1/10/20	7.35	8.9	0.4	1.343	29.9	2.18	207.4
	4/8/20	7.84	7.4	0.0	1.280	401.0	1.54	202.0
	7/14/20	7.61	13.7	3.8	1.224	221.0	1.95	321.2
	Abandoned 10/13/2020							
MW-F	9/30/10	7.04	13.59	NA	NS	NS	2.57	85.4
	4/5/13	7.40	8.20	3.6	NS	NS	1.24	-60.0
	10/8/19	NS	NS	NS	NS	NS	NS	NS
	1/10/20	7.63	9.9	0.0	1.574	too turbid for meter	0.92	151.9
	4/8/20	7.97	6.6	2.6	1.496	too turbid for meter	1.22	187.5
	7/13/20	7.14	14.5	0.8	0.738	17.6	2.24	298.2
	Abandoned 10/13/2020							
MW-G	9/30/10	6.85	14.32	NA	NS	NS	2.25	83.9
	4/5/13	7.20	7.30	0.0	NS	NS	3.00	-10.0
	10/8/19	NS	NS	NS	NS	NS	NS	NS
	1/10/20	NS	NS	NS	NS	NS	NS	NS
	4/8/20	NS	NS	NS	NS	NS	NS	NS
	7/14/20	NS	NS	NS	NS	NS	NS	NS
	Abandoned 10/13/2020							
MW-H	9/28/10	7.05	13.13	NA	NS	NS	1.47	8.4
	4/5/13	7.30	7.30	4.0	NS	NS	1.60	-30.0
	10/8/19	NS	NS	NS	NS	NS	NS	NS
	1/10/20	7.41	8.3	1.4	2.070	18.4	0.84	182.8
	4/8/20	7.82	6.4	3.4	1.970	too turbid for meter	1.34	193.9
	7/14/20	7.44	14.8	3.0	1.714	109.0	1.85	314.4
	10/8/20	7.43	10.9	0.0	1.601	56.7	0.40	161.6
	1/8/21	7.62	9.7	3.0	1.653	15.5	0.59	-65.0
	4/1/21	7.46	8.2	1.6	1.605	61.7	2.02	166.6
MW-I	9/28/10	7.08	15.07	NA	NS	NS	1.50	-52.4
	4/5/13	7.70	4.80	0.0	NS	NS	3.10	-40.0
	Not Located 10/2019, 1/2020, 4/2020, 7/2020, 10/2020, 1/2021							
	4/1/21	7.61	6.6	0.0	1.357	595.0	2.14	196.3

Table 3
Groundwater *In Situ* Results
Moss American - 8716 North Granville Road, Milwaukee, WI
Sigma Project No. 18687

Well ID	Date	In Situ Measurements						
		pH	Temperature (° C)	Ferrous Iron (mg/l)	Specific Conductance (mmhos/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/l)	Redox Potential (mV)
MW-J	9/28/10	7.14	11.69	NA	NS	NS	2.16	1.1
	4/5/13	7.30	7.30	0.0	NS	NS	2.90	46.0
	10/8/19	NS	NS	NS	NS	NS	NS	NS
	1/10/20	7.25	7.3	1.0	1.873	24.0	0.87	249.0
	4/8/20	7.95	7.5	2.6	1.682	too turbid for meter	1.64	172.4
	7/13/20	7.04	16.2	2.2	1.527	192.0	1.74	322.0
	Abandoned 10/13/2020							
MW-K	9/28/10	7.03	16.82	NA	NS	NS	2.03	108.4
	4/5/13	NS	NS	NS	NS	NS	NS	NS
	Under water 10/2019, 1/2020, 4/2020, 7/2020, 10/2020, 1/2021; abandoned 3/19/2021							

Notes:
1. C = degrees Celsius
2. mg/l = milligrams per liter (equivalent to parts per million, ppm)
3. mS/cm = millisiemens per centimeter
4. mmhos/cm = millimhos/centimeter
5. NTU = Nephelometric Turbidity Unit
6. mV = millivolts
7. NA = Sample was not analyzed
8. NS = Well was not sampled (either due to obstruction, or not included in the program or could not be located.)
9. OB = Well was obstructed
10. NI = Well was not installed

Table 4
Groundwater Analytical Results
Former Moss American Facility
Sigma Project No. 18687

Well Location:		EPA ROD ES	EPA ROD PAL	NR 140 ES	NR 140 PAL	MW-5S									MW-7S								
Date:						9/27/10	4/4/13	10/9/19	1/3/20	3/31/20	7/7/20	10/8/20	1/6/21	4/1/21	9/28/10	4/4/13	10/9/19	DUP #4 10/9/19	1/3/20	3/31/20	7/7/20	10/9/20	1/8/21	4/2/21
BTEX																							
Benzene	µg/L	0.67	0.067	5	0.5	<0.2	<0.27	< 0.22	< 0.22	< 0.33	< 0.33	< 0.33	< 0.33	< 0.38	**0.9 J**	0.36 J	< 0.22	< 0.22	< 0.22	< 0.33	< 0.33	< 0.33	< 0.33	< 0.38
Ethylbenzene	µg/L	1360.0	272.0	700	140	<0.2	<0.82	< 0.26	< 0.26	< 0.32	< 0.32	< 0.32	< 0.32	< 0.37	0.3 J	<0.82	< 0.26	< 0.26	< 0.26	< 0.32	< 0.32	< 0.32	< 0.32	< 0.37
Xylenes, Total	µg/L	620.0	124.0	10,000	1,000	<0.6	<2.41	< 0.72	< 0.72	< 1.48	< 1.48	< 1.48	< 1.48	< 1.21	1.8 J	1.7 J	< 0.72	< 0.72	< 0.72	< 1.48	< 1.48	< 1.48	< 1.48	< 1.21
Toluene	µg/L	343.0	68.6	1,000	200	<0.2	<0.8	< 0.19	< 0.19	< 0.26	< 0.26	< 0.26	< 0.26	< 0.42	<0.2	<0.8	< 0.19	< 0.19	< 0.19	< 0.26	< 0.26	< 0.26	< 0.26	< 0.42
PAHS																							
Acenaphthene	µg/L	NS	NS	NS	NS	<0.51	<0.021	< 0.0094	< 0.0094	0.079	< 0.0094	< 0.0094	< 0.0094	< 0.0094	8.3	5	2.18	NT	0.5	0.56	1.39	2.64	1.77	0.85
Acenaphthylene	µg/L	NS	NS	NS	NS	<1	<0.02	< 0.0156	< 0.0156	< 0.0156	0.0228 J	< 0.0156	< 0.0156	< 0.0156	<8.2	0.17	0.067	NT	0.0194 J	0.0176 J	0.066	0.085	0.054	0.0275 J
Anthracene	µg/L	NS	NS	3,000	600	<0.02	0.030 J	0.0192 J	< 0.015	< 0.015	0.0208 J	< 0.015	0.0219 J	0.0166 J	<0.022	0.138	0.136	NT	0.117	0.09	0.091	0.13	0.079	0.093
Benzo(a)anthracene	µg/L	NS	NS	NS	NS	<0.01	<0.025	< 0.0131	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	<0.011	<0.025	0.0256 J	NT	< 0.02	0.0226 J	< 0.02	0.096	< 0.02	< 0.02
Benzo(a)pyrene	µg/L	NS	NS	0.2	0.02	<0.01	<0.018	< 0.0167	< 0.0167	< 0.0167	0.0195 J	< 0.0167	< 0.0167	< 0.0167	<0.011	<0.018	< 0.0167	NT	< 0.0167	*0.0256 J*	< 0.0167	< 0.0167	< 0.0167	< 0.0167
Benzo(b)fluoranthene	µg/L	NS	NS	0.2	0.02	<0.0081	<0.02	< 0.016	< 0.016	< 0.016	*0.0249 J*	< 0.016	< 0.016	< 0.016	<0.0086	<0.02	< 0.016	NT	< 0.016	*0.038 J*	< 0.016	*0.065*	< 0.016	< 0.016
Benzo(ghi)perylene	µg/L	NS	NS	NS	NS	<0.061	<0.023	< 0.0142	< 0.0142	< 0.0142	< 0.0142	< 0.0142	< 0.0142	< 0.0142	<0.065	<0.023	< 0.0142	NT	< 0.0142	0.0291 J	< 0.0142	0.023 J	< 0.0142	< 0.0142
Benzo(k)fluoranthene	µg/L	NS	NS	NS	NS	<0.0081	<0.027	< 0.0146	< 0.0146	< 0.0146	0.0188 J	< 0.0146	< 0.0146	< 0.0146	<0.0083	<0.027	< 0.0146	NT	< 0.0146	0.0267 J	< 0.0146	0.047	< 0.0146	< 0.0146
Chrysene	µg/L	NS	NS	0.2	0.02	<0.061	<0.018	< 0.0157	< 0.0157	< 0.0157	0.0182 J	< 0.0157	< 0.0157	< 0.0157	<0.065	<0.018	< 0.0157	NT	< 0.0157	< 0.0157	< 0.0157	*0.048 J*	< 0.0157	< 0.0157
Dibenzo(a,h)anthracene	µg/L	NS	NS	NS	NS	<0.02	<0.023	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	<0.022	<0.023	< 0.0173	NT	< 0.0173	0.0214 J	< 0.0173	0.0223 J	< 0.0173	< 0.0173
Fluoranthene	µg/L	NS	NS	400	80	<0.02	<0.026	< 0.0088	< 0.0088	< 0.0088	0.0142 J	< 0.0088	0.0152 J	< 0.0088	<0.022	<0.026	0.029	NT	0.0107 J	0.0108 J	0.0156 J	0.046	0.0124 J	0.0111 J
Fluorene	µg/L	NS	NS	400	80	<0.1	<0.02	< 0.0079	< 0.0079	0.02 J	< 0.0079	< 0.0079	0.0113 J	< 0.0079	1.5	0.83	0.43	NT	0.077	0.111	0.082	0.174	0.207	0.059
Indeno(1,2,3-cd)pyrene	µg/L	NS	NS	NS	NS	<0.04	<0.027	< 0.0121	< 0.0121	< 0.0121	0.0132 J	< 0.0121	< 0.0121	< 0.0121	<0.043	<0.027	< 0.0121	NT	< 0.0121	0.0268 J	< 0.0121	0.0211 J	< 0.0121	< 0.0121
Naphthalene	µg/L	NS	NS	100	10	<1	0.025 J	0.086	0.047 J	0.042 J	< 0.03	< 0.03	0.06 J	< 0.03	1.6 J	0.43	0.112	NT	0.091 J	4.3	0.097 J	0.141	0.149	0.147
Phenanthrene	µg/L	NS	NS	NS	NS	<0.04	<0.018	< 0.0143	< 0.0143	< 0.0143	< 0.0143	< 0.0143	< 0.0143	< 0.0143	<0.043	0.034 J	0.0278 J	NT	0.0177 J	0.0262 J	0.0173 J	0.042 J	0.0176 J	0.0158 J
Pyrene	µg/L	NS	NS	250	50	<0.1	<0.025	< 0.0121	< 0.0121	< 0.0121	< 0.0121	< 0.0121	< 0.0121	< 0.0121	<0.11	<0.025	0.0236 J	NT	< 0.0121	< 0.0121	0.0143 J	0.047	< 0.0121	< 0.0121

Notes:
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3. NR 140 ES = Wisconsin Administrative Code, Chapter NR 140 Enforcement Standard
4. NR 140 PAL = Wisconsin Administrative Code, Chapter NR 140 Preventive Action Limit
5. NS = no standard
6. µg/L = micrograms per liter (equivalent to parts per billion, ppb)
7. Laboratory flags: "J" = Analyte detected between Limit of Detection and Limit of Quantitation
8. NT = not tested
9. Exceedances:
   BOLD = Concentration exceeds NR 140 ES
   ITALICS = Concentration exceeds NR 140 PAL
   BOLD = Concentration exceeds EPA ROD ES
   ITALICS = Concentration exceeds EPA ROD PAL

Trip blank 12/31/19, 1/10/20 BTEX less than LOD
Trip blank 4/3/20, 4/8/20 BTEX less than LOD
Trip blank 7/10/2020, 7/14/2020 BTEX less than LOD
Equip blank 7/10/2020 BTEX less than LOD
Trip blank 10/9/2020 BTEX less than LOD
Equip blank 10/9/2020 BTEX less than LOD
Trip blank 1/8/2021 BTEX less than LOD
Equip blank 1/6/2021, 1/7/2021, 1/8/2021 less than LOD
Trip blank 4/2/21 BTEX less than LOD
Equip blank 3/30, 3/31, 4/1, 4/2/21 BTEX less than LOD

Table 4
Groundwater Analytical Results
Former Moss American Facility
Sigma Project No. 18687

Well Location:		EPA ROD ES	EPA ROD PAL	NR 140 ES	NR 140 PAL	MW-7S-W / MW-7S-WR								MW-9S								MW-27S		
Date:						4/5/13	10/4/19	1/3/20	3/31/20	7/7/20	10/6/20	1/6/21	4/2/21	9/30/10	4/4/13	10/2/19	12/31/19	4/3/20	7/14/20	10/7/20	1/7/21	3/31/21	9/27/10	4/4/13	
BTEX																									
Benzene	µg/L	0.67	0.067	5	0.5	<0.27	< 0.22	< 0.22	< 0.33	< 0.33	< 0.33	< 0.33	< 0.38	<0.2	<0.27	< 0.22	< 0.22	< 0.33	< 0.33	< 0.33	< 0.33	< 0.38	<0.2	<0.27	
Ethylbenzene	µg/L	1360.0	272.0	700	140	<0.82	< 0.26	< 0.26	< 0.32	< 0.32	< 0.32	< 0.32	< 0.37	<0.2	<0.82	< 0.26	< 0.26	< 0.32	< 0.32	< 0.32	< 0.32	< 0.37	<0.2	<0.82	
Xylenes, Total	µg/L	620.0	124.0	10,000	1,000	1.56 J	< 0.72	< 0.72	< 1.48	< 1.48	< 1.48	< 1.48	< 1.21	<0.6	<2.41	< 0.72	< 0.72	< 1.48	< 1.48	< 1.48	< 1.48	< 1.21	<0.6	<2.41	
Toluene	µg/L	343.0	68.6	1,000	200	<0.8	< 0.19	< 0.19	< 0.26	< 0.26	< 0.26	< 0.26	< 0.42	<0.2	<0.8	< 0.19	< 0.19	< 0.26	< 0.26	< 0.26	< 0.26	< 0.42	<0.2	<0.8	
PAHS																									
Acenaphthene	µg/L	NS	NS	NS	NS	291	3.30	18.3	13.2	9.70	0.069	1.05	1.18	<0.52	0.028 J	< 0.0094	< 0.0094	< 0.0094	< 0.0094	< 0.0094	< 0.0094	< 0.0094	<0.52	0.113	
Acenaphthylene	µg/L	NS	NS	NS	NS	2.45 J	0.106	0.40	0.219	0.264	< 0.0156	< 0.0156	< 0.0156	<1	<0.02	< 0.0156	< 0.0156	< 0.0156	< 0.0156	< 0.0156	< 0.0156	< 0.0156	<1	0.022 J	
Anthracene	µg/L	NS	NS	3,000	600	183	0.223	0.176 J	0.115	0.081 J	0.072	0.119	0.155	<0.021	0.048 J	0.0198 J	0.0255 J	0.0273 J	0.03 J	0.022 J	0.059	0.0234 J	<0.021	0.14	
Benzo(a)anthracene	µg/L	NS	NS	NS	NS	<2.5	0.0255 J	0.137 J	0.145	0.06 J	0.056 J	0.056 J	0.047 J	<0.01	0.025	< 0.0131	< 0.02	< 0.02	0.0242 J	< 0.02	0.0225 J	< 0.02	<0.01	<0.025	
Benzo(a)pyrene	µg/L	NS	NS	0.2	0.02	<1.8	< 0.0167	< 0.0835	*0.047 J*	< 0.0334	< 0.0167	0.0191 J	< 0.0167	<0.01	<0.018	< 0.0167	< 0.0167	< 0.0167	0.0194 J	< 0.0167	< 0.0167	< 0.0167	<0.01	<0.018	
Benzo(b)fluoranthene	µg/L	NS	NS	0.2	0.02	<2	< 0.016	< 0.08	*0.071 J*	< 0.032	*0.055*	*0.0256 J*	*0.0244 J*	<0.0084	<0.02	< 0.016	< 0.016	< 0.016	*0.0273 J*	< 0.016	< 0.016	0.0177 J	<0.0084	<0.02	
Benzo(ghi)perylene	µg/L	NS	NS	NS	NS	<2.3	< 0.0142	< 0.071	< 0.0284	< 0.0284	0.033 J	< 0.0142	< 0.0142	<0.063	<0.023	< 0.0142	< 0.0142	< 0.0142	< 0.0142	< 0.0142	< 0.0142	< 0.0142	<0.063	<0.023	
Benzo(k)fluoranthene	µg/L	NS	NS	NS	NS	<2.7	< 0.0146	< 0.073	0.032 J	< 0.0292	0.04 J	0.015 J	< 0.0146	<0.0084	<0.027	< 0.0146	< 0.0146	< 0.0146	0.0284 J	< 0.0146	< 0.0146	0.0171 J	<0.0084	<0.027	
Chrysene	µg/L	NS	NS	0.2	0.02	<1.8	0.0163 J	< 0.0785	*0.102*	*0.046 J*	*0.05*	*0.059*	*0.05 J*	<0.063	<0.018	< 0.0157	< 0.0157	< 0.0157	*0.0243 J*	< 0.0157	0.0175 J	0.0177 J	<0.063	<0.018	
Dibenzo(a,h)anthracene	µg/L	NS	NS	NS	NS	<2.3	< 0.0173	< 0.0865	< 0.0346	< 0.0346	0.0205 J	< 0.0173	< 0.0173	<0.021	<0.023	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	<0.021	<0.023	
Fluoranthene	µg/L	NS	NS	400	80	14.4	0.76	1.74	1.84	1.18	0.163	0.56	0.41	<0.021	<0.026	< 0.0088	< 0.0088	< 0.0088	< 0.0088	0.0128 J	0.0238 J	0.0142 J	<0.021	0.037 J	
Fluorene	µg/L	NS	NS	400	80	*162*	0.014 J	2.79	1.62	1.01	0.0116 J	0.47	0.98	<0.1	0.029 J	< 0.0079	0.0083 J	< 0.0079	< 0.0079	0.0093 J	< 0.0079	< 0.0079	<0.1	0.075	
Indeno(1,2,3-cd)pyrene	µg/L	NS	NS	NS	NS	<2.7	< 0.0121	< 0.0605	< 0.0242	< 0.0242	0.029 J	< 0.0121	< 0.0121	<0.042	<0.027	< 0.0121	< 0.0121	< 0.0121	< 0.0121	< 0.0121	0.0122 J	0.0154 J	<0.042	<0.027	
Naphthalene	µg/L	NS	NS	100	10	*64*	< 0.026	< 0.15	1.63	< 0.06	< 0.03	0.056 J	< 0.03	<1	0.38	< 0.026	0.037 J	0.036 J	< 0.03	< 0.03	< 0.03	< 0.03	<1	2.34	
Phenanthrene	µg/L	NS	NS	NS	NS	177	0.0307 J	< 0.0715	0.099	0.047 J	0.034 J	0.152	0.226	<0.042	0.044 J	< 0.0143	< 0.0143	< 0.0143	< 0.0143	< 0.0143	< 0.0143	< 0.0143	0.073 J	0.106	
Pyrene	µg/L	NS	NS	250	50	7.5 J	0.52	1.07	1.07	0.50	0.177	0.38	0.235	<0.1	<0.025	< 0.0121	< 0.0121	< 0.0121	< 0.0121	0.0146 J	0.0259 J	0.0166 J	<0.1	0.029 J	

obstructed; abandoned October 2020

Notes:
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4. NR 140 PAL = Wisconsin Administrative Code, Chapter NR 140 Preventive Action Limit
5. NS = no standard
6. µg/L = micrograms per liter (equivalent to parts per billion, ppb)
7. Laboratory flags: "J" = Analyte detected between Limit of Detection and Limit of Quantitation
8. NT = not tested
9. Exceedances:
   BOLD = Concentration exceeds NR 140 ES
   ITALICS = Concentration exceeds NR 140 PAL
   BOLD = Concentration exceeds EPA ROD ES
   ITALICS = Concentration exceeds EPA ROD PAL

Trip blank 12/31/19, 1/10/20 BTEX less than LOD
Trip blank 4/3/20, 4/8/20 BTEX less than LOD
Trip blank 7/10/2020, 7/14/2020 BTEX less than LOD
Equip blank 7/10/2020 BTEX less than LOD
Trip blank 10/9/2020 BTEX less than LOD
Equip blank 10/9/2020 BTEX less than LOD
Trip blank 1/8/2021 BTEX less than LOD
Equip blank 1/6/2021, 1/7/2021, 1/8/2021 less than LOD
Trip blank 4/2/21 BTEX less than LOD
Equip blank 3/30, 3/31, 4/1, 4/2/21 BTEX less than LOD

Table 4
Groundwater Analytical Results
Former Moss American Facility
Sigma Project No. 18687

Well Location:		EPA ROD ES	EPA ROD PAL	NR 140 ES	NR 140 PAL	MW-30S									MW-31S / MW-31SR							
Date:						9/28/10	4/4/13	10/9/19	1/3/20	3/31/20	7/7/20	10/8/20	1/6/21	4/1/21	9/29/10	10/3/19	12/31/19	4/7/20	7/9/20	10/9/20	1/6/21	3/31/21
BTEX																						
Benzene	µg/L	0.67	0.067	5	0.5	<0.2	<0.27	< 0.22	< 0.22	< 0.33	< 0.33	< 0.33	< 0.33	< 0.38	<0.2	< 0.22	< 0.22	< 0.33	< 0.33	< 0.33	ice obstruction - not sampled	< 0.38
Ethylbenzene	µg/L	1360.0	272.0	700	140	<0.2	<0.82	< 0.26	< 0.26	< 0.32	< 0.32	< 0.32	< 0.32	< 0.37	<0.2	< 0.26	< 0.26	< 0.32	< 0.32	< 0.32		< 0.37
Xylenes, Total	µg/L	620.0	124.0	10,000	1,000	<0.6	<2.41	< 0.72	< 0.72	< 1.48	< 1.48	< 1.48	< 1.48	< 1.21	<0.6	< 0.72	< 0.72	< 1.48	< 1.48	< 1.48		< 1.21
Toluene	µg/L	343.0	68.6	1,000	200	<0.2	<0.8	< 0.19	< 0.19	< 0.26	< 0.26	< 0.26	< 0.26	< 0.42	<0.2	< 0.19	< 0.19	< 0.26	< 0.26	0.49 J		< 0.42
PAHS																						
Acenaphthene	µg/L	NS	NS	NS	NS	<0.53	<0.021	< 0.0094	< 0.0094	0.035	0.0107 J	< 0.0094	0.0172 J	< 0.0094	<0.52	< 0.0094	0.0122 J	< 0.0094	0.0116 J	< 0.0094		< 0.0094
Acenaphthylene	µg/L	NS	NS	NS	NS	<1.1	<0.02	< 0.0156	< 0.0156	< 0.0156	0.0228 J	< 0.0156	< 0.0156	< 0.0156	<1	< 0.0156	0.017 J	< 0.0156	< 0.0156	< 0.0156		< 0.0156
Anthracene	µg/L	NS	NS	3,000	600	<0.021	0.113	0.134	0.174	0.032 J	0.152	0.147	0.104	0.142	<0.021	< 0.015	0.0232 J	< 0.015	< 0.015	< 0.015		< 0.015
Benzo(a)anthracene	µg/L	NS	NS	NS	NS	<0.011	<0.025	0.0174 J	0.0233 J	0.0229 J	0.0207 J	< 0.02	0.0306 J	< 0.02	<0.01	0.0199 J	0.0248 J	< 0.02	< 0.02	< 0.02		< 0.02
Benzo(a)pyrene	µg/L	NS	NS	0.2	0.02	<0.011	<0.018	< 0.0167	< 0.0167	0.0188 J	*0.026 J*	< 0.0167	< 0.0167	< 0.0167	<0.01	< 0.0167	< 0.0167	< 0.0167	< 0.0167	< 0.0167		< 0.0167
Benzo(b)fluoranthene	µg/L	NS	NS	0.2	0.02	<0.0084	<0.02	< 0.016	*0.0231 J*	*0.0242 J*	*0.035 J*	< 0.016	< 0.016	< 0.016	<0.0084	< 0.016	0.0186 J	< 0.016	< 0.016	< 0.016		< 0.016
Benzo(ghi)perylene	µg/L	NS	NS	NS	NS	<0.063	<0.023	< 0.0142	< 0.0142	0.0164 J	< 0.0142	< 0.0142	< 0.0142	< 0.0142	<0.063	< 0.0142	0.0154 J	< 0.0142	< 0.0142	< 0.0142		< 0.0142
Benzo(k)fluoranthene	µg/L	NS	NS	NS	NS	<0.0084	<0.027	< 0.0146	< 0.0146	0.0193 J	0.024 J	< 0.0146	< 0.0146	< 0.0146	<0.0084	< 0.0146	0.0184 J	< 0.0146	< 0.0146	< 0.0146		< 0.0146
Chrysene	µg/L	NS	NS	0.2	0.02	<0.063	<0.018	< 0.0157	< 0.0157	< 0.0157	< 0.0157	< 0.0157	*0.0201 J*	< 0.0157	<0.063	< 0.0157	0.017 J	< 0.0157	< 0.0157	< 0.0157		< 0.0157
Dibenzo(a,h)anthracene	µg/L	NS	NS	NS	NS	<0.021	<0.023	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	<0.021	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173		< 0.0173
Fluoranthene	µg/L	NS	NS	400	80	<0.021	<0.026	0.01 J	0.0196 J	< 0.0088	0.0184 J	0.0145 J	0.0209 J	0.0094 J	<0.021	< 0.0088	0.0159 J	< 0.0088	< 0.0088	< 0.0088		0.0113 J
Fluorene	µg/L	NS	NS	400	80	<0.11	<0.02	0.0144 J	< 0.0079	0.0122 J	< 0.0079	< 0.0079	< 0.0079	< 0.0079	<0.1	< 0.0079	0.0149 J	< 0.0079	< 0.0079	< 0.0079		< 0.0079
Indeno(1,2,3-cd)pyrene	µg/L	NS	NS	NS	NS	<0.042	<0.027	< 0.0121	< 0.0121	0.0161 J	0.0163 J	< 0.0121	0.0134 J	< 0.0121	<0.042	< 0.0121	0.0139 J	< 0.0121	< 0.0121	< 0.0121		< 0.0121
Naphthalene	µg/L	NS	NS	100	10	<1.1	0.024 J	0.047 J	0.051 J	0.042 J	< 0.03	< 0.03	0.283	< 0.03	<1	< 0.026	0.049 J	< 0.03	< 0.03	< 0.03		< 0.03
Phenanthrene	µg/L	NS	NS	NS	NS	0.046 J	0.029 J	< 0.0143	0.0199 J	0.097	0.015 J	0.0167 J	0.0183 J	< 0.0143	<0.042	0.0177 J	0.0265 J	< 0.0143	< 0.0143	< 0.0143		< 0.0143
Pyrene	µg/L	NS	NS	250	50	<0.11	<0.025	0.0158 J	0.0267 J	< 0.0121	0.0148 J	0.0155 J	0.0214 J	< 0.0121	<0.1	< 0.0121	0.0157 J	< 0.0121	< 0.0121	< 0.0121		< 0.0121

Notes:
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   ITALICS = Concentration exceeds NR 140 PAL
   BOLD = Concentration exceeds EPA ROD ES
   ITALICS = Concentration exceeds EPA ROD PAL

Trip blank 12/31/19, 1/10/20 BTEX less than LOD
Trip blank 4/3/20, 4/8/20 BTEX less than LOD
Trip blank 7/10/2020, 7/14/2020 BTEX less than LOD
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Table 4
Groundwater Analytical Results
Former Moss American Facility
Sigma Project No. 18687

Well Location:		EPA ROD ES	EPA ROD PAL	NR 140 ES	NR 140 PAL	MW-32S / MW-32SR										MW-33S								
Date:						9/27/10	4/4/13	10/4/19	12/31/19	3/31/20	3/31/20 DUP #1	7/7/20	7/7/20 DUP #1	10/6/20	1/6/21	4/2/21	9/28/10	4/4/13	10/4/19	12/31/19	3/31/20	7/8/20	10/8/20	1/6/62021	4/2/21
BTEX																									
Benzene	µg/L	0.67	0.067	5	0.5	<0.2	<0.27	< 0.22	< 0.22	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.38	<0.2	<0.27	< 0.22	< 0.22	< 0.48	< 0.33	< 0.33	< 0.33	< 0.38
Ethylbenzene	µg/L	1360.0	272.0	700	140	<0.2	<0.82	< 0.26	< 0.26	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.37	0.5 J	<0.82	< 0.26	< 0.26	< 0.55	< 0.32	0.34 J	< 0.32	< 0.37
Xylenes, Total	µg/L	620.0	124.0	10,000	1,000	<0.6	<2.41	< 0.72	< 0.72	< 1.48	< 1.48	< 1.48	< 1.48	< 1.48	< 1.48	< 1.21	3.1	<2.41	< 0.72	< 0.72	3.71 J	< 1.48	2.46 J	< 1.48	< 1.21
Toluene	µg/L	343.0	68.6	1,000	200	<0.2	<0.8	< 0.19	< 0.19	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.42	0.3 J	<0.8	< 0.19	< 0.19	< 0.62	< 0.26	< 0.26	< 0.26	< 0.42
PAHS																									
Acenaphthene	µg/L	NS	NS	NS	NS	<054	<0.021	0.67	0.50	0.029 J	0.089	0.016 J	0.0152 J	0.175	0.085	0.0243 J	100	0.66	0.12	0.093	113	4.4	107	0.036	0.79
Acenaphthylene	µg/L	NS	NS	NS	NS	<1.1	<0.02	< 0.0468	0.0195 J	< 0.0156	< 0.0156	< 0.0156	< 0.0156	< 0.0156	< 0.0156	< 0.0156	<1	<0.02	< 0.0156	0.0183 J	1.07 J	0.126 J	1.12 J	< 0.0156	0.0193 J
Anthracene	µg/L	NS	NS	3,000	600	<0.022	0.057 J	0.136 J	0.057	0.055	0.055	0.058	0.074	0.071	0.057	0.089	0.62	0.132	0.158	0.127	2.22 J	0.212 J	1.99 J	0.097	0.209
Benzo(a)anthracene	µg/L	NS	NS	NS	NS	<0.011	<0.025	< 0.0393	0.0279 J	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	0.029 J	< 0.02	<0.01	<0.025	< 0.0131	0.0278 J	< 1	< 0.10	< 1	< 0.02	< 0.02
Benzo(a)pyrene	µg/L	NS	NS	0.2	0.02	<0.011	<0.018	< 0.0501	*0.0224 J*	< 0.0167	*0.0224 J*	< 0.0167	0.0167 J	< 0.0167	< 0.0167	< 0.0167	<0.01	<0.018	< 0.0167	< 0.0167	< 0.835	< 0.0835	< 0.835	< 0.0167	< 0.0167
Benzo(b)fluoranthene	µg/L	NS	NS	0.2	0.02	<0.0086	<0.02	< 0.048	*0.0268 J*	0.0161 J	*0.0284 J*	< 0.016	*0.0228 J*	< 0.016	< 0.016	< 0.016	<0.0081	<0.02	< 0.016	*0.0241 J*	< 0.8	< 0.08	< 0.8	< 0.016	*0.0207 J*
Benzo(ghi)perylene	µg/L	NS	NS	NS	NS	<0.065	<0.023	< 0.0426	0.027 J	< 0.0142	0.0284 J	< 0.0142	< 0.0142	< 0.0142	0.0167 J	< 0.0142	<0.061	<0.023	< 0.0142	0.0183 J	< 0.71	< 0.071	< 0.71	< 0.0142	0.0181 J
Benzo(k)fluoranthene	µg/L	NS	NS	NS	NS	<0.0086	<0.027	< 0.0438	0.0263 J	< 0.0146	0.0233 J	< 0.0146	< 0.0146	< 0.0146	< 0.0146	< 0.0146	<0.0081	<0.027	< 0.0146	0.0181 J	< 0.73	< 0.073	< 0.73	< 0.0146	< 0.0146
Chrysene	µg/L	NS	NS	0.2	0.02	<0.065	<0.018	< 0.0471	*0.0234 J*	< 0.0157	< 0.0157	< 0.0157	< 0.0157	< 0.0157	< 0.0157	< 0.0157	<0.061	<0.018	< 0.0157	0.0193 J	< 0.785	< 0.0785	< 0.785	< 0.0157	< 0.0157
Dibenzo(a,h)anthracene	µg/L	NS	NS	NS	NS	<0.022	<0.023	< 0.0519	0.0229 J	< 0.0173	0.0248 J	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	<0.02	<0.023	< 0.0173	< 0.0173	< 0.865	< 0.0865	< 0.865	< 0.0173	< 0.0173
Fluoranthene	µg/L	NS	NS	400	80	<0.022	<0.026	0.096	0.04	0.032	0.0254 J	0.0131 J	0.0219 J	0.0187 J	0.033	0.0264 J	0.028 J	<0.026	< 0.0088	0.0173 J	< 0.44	< 0.044	< 0.44	< 0.0088	0.0262 J
Fluorene	µg/L	NS	NS	400	80	<0.11	<0.02	< 0.0237	0.0224 J	0.013 J	0.0275	0.0163 J	0.0163 J	0.052	0.0179 J	0.0147 J	49	0.251	0.045	0.044	55	1.51	53	0.0203 J	0.44
Indeno(1,2,3-cd)pyrene	µg/L	NS	NS	NS	NS	<0.043	<0.027	< 0.0363	0.0246 J	< 0.0121	0.0263	< 0.0121	< 0.0121	< 0.0121	0.0152 J	< 0.0121	<0.04	<0.027	< 0.0121	0.0171 J	< 0.605	< 0.0605	< 0.605	< 0.0121	0.0135 J
Naphthalene	µg/L	NS	NS	100	10	<1.1	0.249	< 0.078	0.049 J	< 0.03	0.72	< 0.03	< 0.03	< 0.03	0.06 J	< 0.03	*100*	0.201	0.23	0.175	**226**	*17.8*	**199**	0.102	1
Phenanthrene	µg/L	NS	NS	NS	NS	<0.043	0.022 J	0.046 J	0.02 J	0.0144 J	0.0157 J	< 0.0143	< 0.0143	< 0.0143	0.0205 J	< 0.0143	15	0.08	0.0201 J	0.033 J	22.6	0.50	14.3	0.0229 J	0.218
Pyrene	µg/L	NS	NS	250	50	<0.11	<0.025	0.054 J	0.0267 J	0.0195 J	0.0163 J	< 0.0121	0.0146 J	0.0141 J	0.043	0.0168 J	<0.1	<0.025	< 0.0121	0.0146 J	< 0.605	< 0.0605	< 0.605	< 0.0121	0.0208 J

Notes:
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2. EPA ROD PAL = Preventive Action Limit within the EPA's 1990 Record of Decision for Moss America
3. NR 140 ES = Wisconsin Administrative Code, Chapter NR 140 Enforcement Standard
4. NR 140 PAL = Wisconsin Administrative Code, Chapter NR 140 Preventive Action Limit
5. NS = no standard
6. µg/L = micrograms per liter (equivalent to parts per billion, ppb)
7. Laboratory flags: "J" = Analyte detected between Limit of Detection and Limit of Quantitation
8. NT = not tested
9. Exceedances:
   BOLD = Concentration exceeds NR 140 ES
   ITALICS = Concentration exceeds NR 140 PAL
   BOLD = Concentration exceeds EPA ROD ES
   ITALICS = Concentration exceeds EPA ROD PAL

Trip blank 12/31/19, 1/10/20 BTEX less than LOD
Trip blank 4/3/20, 4/8/20 BTEX less than LOD
Trip blank 7/10/2020, 7/14/2020 BTEX less than LOD
Equip blank 7/10/2020 BTEX less than LOD
Trip blank 10/9/2020 BTEX less than LOD
Equip blank 10/9/2020 BTEX less than LOD
Trip blank 1/8/2021 BTEX less than LOD
Equip blank 1/6/2021, 1/7/2021, 1/8/2021 less than LOD
Trip blank 4/2/21 BTEX less than LOD
Equip blank 3/30, 3/31, 4/1, 4/2/21 BTEX less than LOD

Table 4
Groundwater Analytical Results
Former Moss American Facility
Sigma Project No. 18687

Well Location:		EPA ROD ES	EPA ROD PAL	NR 140 ES	NR 140 PAL	MW-34S / MW-34SR											MW-34S-N				MW-35S							
Date:						9/28/10	4/4/13	10/9/19	DUP #3 10/9/19	1/3/20	3/31/20	7/7/20	10/6/20	1/6/21	DUP #1 1/6/21	4/2/21	DUP #4 4/2/21	4/5/13	10/9/19	1/8/20		9/28/10	10/7/19	1/8/20	4/2/20	7/9/20	10/8/20	1/6/21	4/1/21
BTEX																													
Benzene	µg/L	0.67	0.067	5	0.5	**6.2**	**7**	< 0.22	< 0.22	< 0.22	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 3.8	< 0.38	<0.27	< 0.22	< 0.22		<0.2	< 0.22	< 0.22	< 0.33	< 0.33	< 0.33	< 0.33	< 0.38
Ethylbenzene	µg/L	1360.0	272.0	700	140	26	28.4	< 0.26	< 0.26	< 0.26	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 3.7	< 0.37	<0.82	< 0.26	< 0.26		<0.2	< 0.26	< 0.26	< 0.32	< 0.32	< 0.32	< 0.32	< 0.37
Xylenes, Total	µg/L	620.0	124.0	10,000	1,000	49	49.2	< 0.72	< 0.72	< 0.72	< 1.48	< 1.48	< 1.48	< 1.48	< 1.48	< 1.21	< 1.21	<2.41	< 0.72	< 0.72		<0.6	< 0.72	< 0.72	< 1.48	< 1.48	< 1.48	< 1.48	< 1.21
Toluene	µg/L	343.0	68.6	1,000	200	1.1	1.39 J	< 0.19	< 0.19	< 0.19	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 4.2	< 0.42	<0.8	< 0.19	< 0.19		<0.2	< 0.19	< 0.19	< 0.26	< 0.26	< 0.26	< 0.26	< 0.42
PAHS																													
Acenaphthene	µg/L	NS	NS	NS	NS	2100	410	2.39	NT	5.00	5.1	0.82	4.8	6.1	5.9	5.2	4.4	0.059 J	0.0137 J	0.271		0.6 J	2.68	8.3	27.1	21.0	3.7	1.58	2.16
Acenaphthylene	µg/L	NS	NS	NS	NS	<200	<20	0.048 J	NT	0.057	0.042 J	0.035 J	0.036 J	0.053	0.044 J	0.041 J	0.04 J	<0.02	< 0.0156	< 0.0156		<1.1	0.034 J	0.068	0.159 J	0.109 J	0.051	0.023 J	0.027 J
Anthracene	µg/L	NS	NS	3,000	600	450	88	0.271	NT	0.273	0.272	0.084	0.41	0.206	0.43	0.36	0.272	0.023 J	0.0163 J	< 0.015		<0.022	0.16	0.078	< 0.15	0.157 J	0.169	0.091	0.103
Benzo(a)anthracene	µg/L	NS	NS	NS	NS	310	54 J	0.033 J	NT	0.025 J	0.0246 J	< 0.02	0.034 J	0.0243 J	0.0264 J	0.0251 J	0.0237 J	<0.025	0.0243 J	0.0226 J		0.017 J	0.087	0.067	< 0.2	< 0.1	0.048 J	0.0207 J	0.0298 J
Benzo(a)pyrene	µg/L	NS	NS	0.2	0.02	**120**	<18	< 0.0167	NT	< 0.0167	< 0.0167	< 0.0167	< 0.0167	< 0.0167	< 0.0167	< 0.0167	< 0.0167	<0.018	< 0.0167	< 0.0167		<0.011	*0.0241 J*	*0.032 J*	< 0.167	< 0.0835	< 0.0167	< 0.0167	< 0.0167
Benzo(b)fluoranthene	µg/L	NS	NS	0.2	0.02	**100**	**26.1 J**	< 0.016	NT	< 0.016	< 0.016	< 0.016	*0.0226 J*	< 0.016	< 0.016	< 0.016	< 0.016	<0.02	*0.0231 J*	< 0.016		<0.0089	*0.048 J*	*0.042 J*	< 0.16	< 0.08	*0.0209 J*	< 0.016	< 0.016
Benzo(ghi)perylene	µg/L	NS	NS	NS	NS	<61	<23	< 0.0142	NT	< 0.0142	< 0.0142	< 0.0142	< 0.0142	< 0.0142	< 0.0142	< 0.0142	< 0.0142	<0.023	< 0.0142	< 0.0142		<0.067	0.0164 J	0.0254 J	< 0.142	< 0.071	< 0.0142	< 0.0142	< 0.0142
Benzo(k)fluoranthene	µg/L	NS	NS	NS	NS	59	<27	< 0.0146	NT	< 0.0146	< 0.0146	< 0.0146	< 0.0146	< 0.0146	< 0.0146	< 0.0146	< 0.0146	<0.027	< 0.0146	< 0.0146		<0.0089	0.0178 J	0.0295 J	< 0.146	< 0.073	< 0.0146	< 0.0146	< 0.0146
Chrysene	µg/L	NS	NS	0.2	0.02	**340**	**50 J**	*0.0244 J*	NT	< 0.0157	< 0.0157	< 0.0157	*0.0229 J*	< 0.0157	< 0.0157	0.018 J	< 0.0157	<0.018	< 0.0157	< 0.0157		<0.067	*0.055*	*0.056*	< 0.157	< 0.0785	*0.0235 J*	< 0.0157	0.0189 J
Dibenzo(a,h)anthracene	µg/L	NS	NS	NS	NS	<23	<23	< 0.0173	NT	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	<0.023	< 0.0173	< 0.0173		<0.022	< 0.0173	0.0193 J	< 0.173	< 0.0865	< 0.0173	< 0.0173	< 0.0173
Fluoranthene	µg/L	NS	NS	400	80	**1800**	*320*	0.44	NT	0.46	0.39	0.074	0.227	0.54	0.59	0.81	0.6	<0.026	0.028 J	0.0173 J		0.5	0.62	0.33	0.296	0.34	0.4	0.269	0.243
Fluorene	µg/L	NS	NS	400	80	**1700**	*330*	1.56	NT	0.74	1.59	0.41	3.4	1	3.3	2.49	1.94	0.034 J	< 0.0079	0.089		0.12 J	0.279	0.161	0.34	0.184	0.234	0.118	0.106
Indeno(1,2,3-cd)pyrene	µg/L	NS	NS	NS	NS	<49	<27	< 0.0121	NT	< 0.0121	< 0.0121	< 0.0121	< 0.0121	< 0.0121	< 0.0121	< 0.0121	< 0.0121	<0.027	< 0.0121	< 0.0121		<0.045	< 0.0121	0.025 J	< 0.121	< 0.0605	< 0.0121	< 0.0121	< 0.0121
Naphthalene	µg/L	NS	NS	100	10	**11000**	**4100**	0.304	NT	0.075 J	1.9	< 0.03	1.01	0.136	0.39	0.202	0.167	0.053 J	0.0308 J	3.60		<1.1	0.219	0.44	< 0.3	< 0.15	0.059 J	0.062 J	0.035 J
Phenanthrene	µg/L	NS	NS	NS	NS	4600	800	0.55	NT	0.033 J	0.081	0.08	2.8	0.034 J	2.8	0.56	0.198	0.057 J	0.0171 J	0.037 J		0.053 J	0.0232 J	0.0263 J	< 0.143	< 0.0715	0.0242 J	< 0.0143	0.0164 J
Pyrene	µg/L	NS	NS	250	50	**1400**	*222*	0.267	NT	0.267	0.216	0.044	0.123	0.32	0.35	0.49	0.37	<0.025	0.0231 J	0.017 J		0.36 J	0.42	0.231	0.212 J	0.227	0.264	0.165	0.153

obstructed; abandoned October 2020

Notes:
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   ITALICS = Concentration exceeds NR 140 PAL
   BOLD = Concentration exceeds EPA ROD ES
   ITALICS = Concentration exceeds EPA ROD PAL

Trip blank 12/31/19, 1/10/20 BTEX less than LOD
Trip blank 4/3/20, 4/8/20 BTEX less than LOD
Trip blank 7/10/2020, 7/14/2020 BTEX less than LOD
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Equip blank 1/6/2021, 1/7/2021, 1/8/2021 less than LOD
Trip blank 4/2/21 BTEX less than LOD
Equip blank 3/30, 3/31, 4/1, 4/2/21 BTEX less than LOD

Table 4
Groundwater Analytical Results
Former Moss American Facility
Sigma Project No. 18687

Well Location:		EPA ROD ES	EPA ROD PAL	NR 140 ES	NR 140 PAL	MW-37S									MW-38S								
Date:						9/29/10	4/4/13	10/7/19	12/31/19	4/7/20	7/10/20	10/8/20	1/7/21	3/31/21	9/28/10	4/4/13	10/9/19	1/3/20	4/2/20	7/8/20	10/9/20	1/8/21	4/2/21
BTEX																							
Benzene	µg/L	0.67	0.067	5	0.5	<0.2	<0.27	< 0.22	< 0.22	< 0.33	< 0.33	< 0.33	< 0.33	< 0.38	**1.9**	***0.96***	< 0.22	< 0.22	< 0.33	< 0.33	*0.36 J*	*0.43 J*	< 0.38
Ethylbenzene	µg/L	1360.0	272.0	700	140	<0.2	<0.82	< 0.26	< 0.26	< 0.32	< 0.32	< 0.32	< 0.32	< 0.37	0.9 J	1.4 J	< 0.26	< 0.26	< 0.32	< 0.32	< 0.32	< 0.32	< 0.37
Xylenes, Total	µg/L	620.0	124.0	10,000	1,000	<0.6	<2.41	< 0.72	< 0.72	< 1.48	< 1.48	< 1.48	< 1.48	< 1.21	0.9 J	1.41 J	< 0.72	< 0.72	< 1.48	< 1.48	< 1.48	1.97 J	< 1.21
Toluene	µg/L	343.0	68.6	1,000	200	<0.2	<0.8	< 0.19	< 0.19	< 0.26	< 0.26	< 0.26	< 0.26	< 0.42	<0.2	<0.8	< 0.19	< 0.19	< 0.26	< 0.26	< 0.26	< 0.26	< 0.42
PAHS																							
Acenaphthene	µg/L	NS	NS	NS	NS	<0.52	0.025 J	0.0259 J	0.036	< 0.0094	< 0.0094	< 0.0094	< 0.0094	< 0.0094	4	4.2	0.70	0.257	0.76	1.35	3.2	3.6	2.21
Acenaphthylene	µg/L	NS	NS	NS	NS	<1	<0.02	< 0.0156	0.042 J	< 0.0156	< 0.0156	< 0.0156	< 0.0156	< 0.0156	<3.2	0.153	0.0242 J	< 0.0156	0.033 J	0.057	0.104	0.097	0.053
Anthracene	µg/L	NS	NS	3,000	600	<0.021	<0.02	0.0249 J	0.053	< 0.015	0.0185 J	< 0.015	< 0.015	< 0.015	<0.022	0.263	0.10	0.099	0.0186 J	0.107	0.141	0.128	0.147
Benzo(a)anthracene	µg/L	NS	NS	NS	NS	<0.01	<0.025	0.0168 J	0.047 J	0.042 J	< 0.02	< 0.02	< 0.02	< 0.02	<0.011	0.039 J	0.0166 J	< 0.02	< 0.02	< 0.02	0.0213 J	< 0.02	< 0.02
Benzo(a)pyrene	µg/L	NS	NS	0.2	0.02	*0.027 J*	<0.018	< 0.0167	*0.032 J*	0.0176 J	< 0.0167	< 0.0167	< 0.0167	< 0.0167	<0.011	*0.032 J*	< 0.0167	< 0.0167	< 0.0167	0.0186 J	< 0.0167	< 0.0167	< 0.0167
Benzo(b)fluoranthene	µg/L	NS	NS	0.2	0.02	0.014 J	<0.02	< 0.016	*0.036 J*	*0.0205 J*	< 0.016	< 0.016	< 0.016	< 0.016	<0.0089	*0.079*	< 0.016	< 0.016	< 0.016	*0.0235 J*	< 0.016	< 0.016	< 0.016
Benzo(ghi)perylene	µg/L	NS	NS	NS	NS	0.08 J	<0.023	< 0.0142	0.0296 J	0.0187 J	< 0.0142	< 0.0142	< 0.0142	< 0.0142	<0.067	0.077	< 0.0142	< 0.0142	< 0.0142	< 0.0142	< 0.0142	< 0.0142	< 0.0142
Benzo(k)fluoranthene	µg/L	NS	NS	NS	NS	0.01 J	<0.027	< 0.0146	0.038 J	0.0191 J	< 0.0146	< 0.0146	< 0.0146	< 0.0146	<0.0089	<0.027	< 0.0146	< 0.0146	< 0.0146	0.0197 J	< 0.0146	< 0.0146	< 0.0146
Chrysene	µg/L	NS	NS	0.2	0.02	<0.062	<0.018	< 0.0157	*0.042 J*	*0.0255 J*	< 0.0157	< 0.0157	< 0.0157	< 0.0157	<0.067	*0.052 J*	< 0.0157	< 0.0157	< 0.0157	< 0.0157	< 0.0157	< 0.0157	< 0.0157
Dibenzo(a,h)anthracene	µg/L	NS	NS	NS	NS	<0.021	<0.023	< 0.0173	0.032 J	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	<0.022	<0.023	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173
Fluoranthene	µg/L	NS	NS	400	80	<0.021	<0.026	< 0.0088	0.041	0.015 J	< 0.0088	< 0.0088	< 0.0088	< 0.0088	<0.22	0.103	< 0.0088	< 0.0088	< 0.0088	< 0.0088	< 0.0088	< 0.0088	0.0103 J
Fluorene	µg/L	NS	NS	400	80	<0.1	0.028 J	0.0146 J	0.046	< 0.0079	< 0.0079	< 0.0079	< 0.0079	< 0.0079	<0.11	0.152	0.017 J	0.0153 J	0.025 J	0.038	0.019 J	0.107	0.064
Indeno(1,2,3-cd)pyrene	µg/L	NS	NS	NS	NS	<0.041	<0.027	< 0.0121	0.0294 J	0.0172 J	< 0.0121	< 0.0121	< 0.0121	< 0.0121	<0.044	0.04 J	< 0.0121	< 0.0121	< 0.0121	0.0145 J	< 0.0121	< 0.0121	< 0.0121
Naphthalene	µg/L	NS	NS	100	10	<1	0.36	0.286	0.075 J	< 0.03	< 0.03	0.033 J	< 0.03	< 0.03	*67*	8.1	0.04 J	0.159	0.079 J	0.069 J	0.231	0.41	0.113
Phenanthrene	µg/L	NS	NS	NS	NS	<0.041	0.037 J	< 0.0143	0.054	< 0.0143	< 0.0143	< 0.0143	< 0.0143	< 0.0143	<0.044	0.15	0.0169 J	0.0165 J	0.094	0.0182 J	0.0293 J	0.033 J	0.0279 J
Pyrene	µg/L	NS	NS	250	50	<0.1	<0.025	< 0.0121	0.038 J	0.0163 J	< 0.0121	< 0.0121	< 0.0121	< 0.0121	<0.11	0.092	< 0.0121	< 0.0121	< 0.0121	< 0.0121	< 0.0121	< 0.0121	< 0.0121

Notes:
1. EPA ROD ES = Enforcement Standard within the EPA's 1990 Record of Decision for Moss America
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3. NR 140 ES = Wisconsin Administrative Code, Chapter NR 140 Enforcement Standard
4. NR 140 PAL = Wisconsin Administrative Code, Chapter NR 140 Preventive Action Limit
5. NS = no standard
6. µg/L = micrograms per liter (equivalent to parts per billion, ppb)
7. Laboratory flags: "J" = Analyte detected between Limit of Detection and Limit of Quantitation
8. NT = not tested
9. Exceedances:
   BOLD = Concentration exceeds NR 140 ES
   ITALICS = Concentration exceeds NR 140 PAL
   BOLD = Concentration exceeds EPA ROD ES
   ITALICS = Concentration exceeds EPA ROD PAL

Trip blank 12/31/19, 1/10/20 BTEX less than LOD
Trip blank 4/3/20, 4/8/20 BTEX less than LOD
Trip blank 7/10/2020, 7/14/2020 BTEX less than LOD
Equip blank 7/10/2020 BTEX less than LOD
Trip blank 10/9/2020 BTEX less than LOD
Equip blank 10/9/2020 BTEX less than LOD
Trip blank 1/8/2021 BTEX less than LOD
Equip blank 1/6/2021, 1/7/2021, 1/8/2021 less than LOD
Trip blank 4/2/21 BTEX less than LOD
Equip blank 3/30, 3/31, 4/1, 4/2/21 BTEX less than LOD

Table 4
Groundwater Analytical Results
Former Moss American Facility
Sigma Project No. 18687

Well Location:		EPA ROD ES	EPA ROD PAL	NR 140 ES	NR 140 PAL	MW-39S									TG1-1 / TG1-1R									
Date:						9/28/10	4/4/13	10/9/19	1/3/20	3/31/20	7/7/20	10/6/20	1/6/21	4/2/21	9/29/10	4/3/13	10/4/19	DUP #1 10/4/19	1/7/20	4/1/20	DUP #3 4/1/20	7/8/20	10/6/20	1/6/21	4/1/21
BTEX																								
Benzene	µg/L	0.67	0.067	5	0.5	<0.2	<0.27	< 0.22	< 0.22	< 0.33	< 0.33	< 0.33	< 0.33	< 0.38	*0.3 J*	<0.27	< 0.22	< 0.22	< 0.22	< 0.33	< 0.33	< 0.33	< 0.33	< 0.38
Ethylbenzene	µg/L	1360.0	272.0	700	140	<0.2	<0.82	< 0.26	< 0.26	< 0.32	< 0.32	< 0.32	< 0.32	< 0.37	30	18.4	< 0.26	< 0.26	< 0.26	< 0.32	< 0.32	< 0.32	< 0.32	< 0.37
Xylenes, Total	µg/L	620.0	124.0	10,000	1,000	<0.6	<2.41	< 0.72	< 0.72	< 1.48	< 1.48	< 1.48	< 1.48	< 1.21	55	31.3	< 0.72	< 0.72	< 0.72	< 1.48	< 1.48	< 1.48	< 1.48	< 1.21
Toluene	µg/L	343.0	68.6	1,000	200	<0.2	<0.8	< 0.19	< 0.19	< 0.26	< 0.26	< 0.26	< 0.26	< 0.42	<0.2	<0.8	< 0.19	< 0.19	< 0.19	< 0.26	< 0.26	< 0.26	< 0.26	< 0.42
PAHS																								
Acenaphthene	µg/L	NS	NS	NS	NS	3.3	5.8	13.9	19.7	42	8.70	35	36	53	90000	262	0.167	NT	1.10	1.18	1.25	0.37	0.52	0.53	0.55
Acenaphthylene	µg/L	NS	NS	NS	NS	<13	0.127	0.062 J	0.163 J	< 0.312	0.07	0.16 J	0.29 J	0.36 J	4000 J	<10	< 0.0156	NT	0.0192 J	0.0189 J	0.0181 J	0.0209 J	< 0.0156	< 0.0156	< 0.0156
Anthracene	µg/L	NS	NS	3,000	600	0.13	0.136	0.101	0.101 J	< 0.3	0.084	< 0.15	< 0.15	< 0.3	**20,000**	23.6 J	0.0312 J	NT	0.09	0.149	0.161	0.076	0.124	0.182	0.169
Benzo(a)anthracene	µg/L	NS	NS	NS	NS	<0.011	0.069 J	0.036 J	0.139 J	< 0.4	0.049 J	< 0.2	< 0.2	< 0.4	14000	<12.5	0.0198 J	NT	0.0248 J	0.038 J	0.043 J	< 0.02	0.0205 J	0.0254 J	0.0211 J
Benzo(a)pyrene	µg/L	NS	NS	0.2	0.02	<0.044	*0.027 J*	< 0.0334	< 0.0835	< 0.334	*0.036 J*	< 0.167	< 0.167	< 0.334	**7300**	<9	< 0.0167	NT	< 0.0167	< 0.0167	*0.0213 J*	< 0.0167	< 0.0167	< 0.0167	< 0.0167
Benzo(b)fluoranthene	µg/L	NS	NS	0.2	0.02	<0.0085	*0.057 J*	< 0.032	< 0.08	< 0.32	*0.058*	< 0.16	< 0.16	< 0.32	**4900**	<10	*0.0213 J*	NT	< 0.016	0.018 J	*0.032 J*	< 0.016	< 0.016	< 0.016	< 0.016
Benzo(ghi)perylene	µg/L	NS	NS	NS	NS	<0.063	<0.023	< 0.0284	< 0.071	< 0.284	< 0.0142	< 0.142	< 0.142	< 0.284	3000	<11.5	0.0201 J	NT	< 0.0142	< 0.0142	0.0219 J	< 0.0142	< 0.0142	< 0.0142	< 0.0142
Benzo(k)fluoranthene	µg/L	NS	NS	NS	NS	<0.0085	<0.027	< 0.0292	< 0.073	< 0.292	0.021 J	< 0.146	< 0.146	< 0.292	2900	<13.5	0.0175 J	NT	< 0.0146	< 0.0146	0.0205 J	< 0.0146	< 0.0146	< 0.0146	< 0.0146
Chrysene	µg/L	NS	NS	0.2	0.02	<0.063	*0.054 J*	< 0.0314	< 0.0785	< 0.314	*0.042 J*	< 0.157	< 0.157	< 0.314	**14000**	<9	< 0.0157	NT	< 0.0157	*0.0283 J*	*0.032 J*	< 0.0157	< 0.0157	0.0191 J	0.016 J
Dibenzo(a,h)anthracene	µg/L	NS	NS	NS	NS	<0.021	<0.023	< 0.0346	< 0.0865	< 0.346	< 0.0173	< 0.173	< 0.173	< 0.346	1200	<11.5	< 0.0173	NT	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173
Fluoranthene	µg/L	NS	NS	400	80	0.19	0.32	0.064	0.38	0.274 J	0.117	0.121 J	0.11 J	< 0.176	**82000**	28.1 J	0.087	NT	0.34	0.55	0.54	0.185	0.42	0.49	0.44
Fluorene	µg/L	NS	NS	400	80	1.1	0.73	0.70	0.98	3.13	0.33	1.83	2.24	2.87	**75000**	*135*	0.0214 J	NT	0.0233 J	0.113	0.125	0.0309	0.054	0.221	0.227
Indeno(1,2,3-cd)pyrene	µg/L	NS	NS	NS	NS	<0.042	<0.027	< 0.0242	< 0.0605	< 0.242	0.0141 J	< 0.121	< 0.121	< 0.242	2600	<13.5	0.0197 J	NT	< 0.0121	< 0.0121	0.0201 J	< 0.0121	< 0.0121	< 0.0121	< 0.0121
Naphthalene	µg/L	NS	NS	100	10	<1.1	0.211	0.103 J	< 0.15	1.18 J	0.033 J	< 0.3	< 0.3	< 0.6	**110000**	**1950**	< 0.026	NT	< 0.03	0.111	0.107	< 0.03	< 0.03	0.085 J	0.116
Phenanthrene	µg/L	NS	NS	NS	NS	0.056 J	0.252	< 0.0286	< 0.0715	< 0.286	0.02 J	< 0.143	< 0.143	< 0.286	200000	113	< 0.0143	NT	0.039 J	0.157	0.169	< 0.0143	0.065	0.071	0.078
Pyrene	µg/L	NS	NS	250	50	0.15 J	0.216	0.046 J	0.282	< 0.242	0.09	< 0.121	< 0.121	< 0.242	**57000**	17.7 J	0.102	NT	0.213	0.33	0.33	0.12	0.253	0.302	0.273

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   ITALICS = Concentration exceeds NR 140 PAL
   BOLD = Concentration exceeds EPA ROD ES
   ITALICS = Concentration exceeds EPA ROD PAL

Trip blank 12/31/19, 1/10/20 BTEX less than LOD
Trip blank 4/3/20, 4/8/20 BTEX less than LOD
Trip blank 7/10/2020, 7/14/2020 BTEX less than LOD
Equip blank 7/10/2020 BTEX less than LOD
Trip blank 10/9/2020 BTEX less than LOD
Equip blank 10/9/2020 BTEX less than LOD
Trip blank 1/8/2021 BTEX less than LOD
Equip blank 1/6/2021, 1/7/2021, 1/8/2021 less than LOD
Trip blank 4/2/21 BTEX less than LOD
Equip blank 3/30, 3/31, 4/1, 4/2/21 BTEX less than LOD

Table 4
Groundwater Analytical Results
Former Moss American Facility
Sigma Project No. 18687

Well Location:		EPA ROD ES	EPA ROD PAL	NR 140 ES	NR 140 PAL	TG1-2							TG1-3								TG2-1						
Date:						10/4/19	1/7/20	3/31/20	7/8/20	10/6/20	1/6/21	4/1/21	9/29/10	4/3/13	10/4/19	1/8/20	3/31/20	7/8/20	10/6/20	1/6/21	4/1/21	9/29/10	4/3/13	10/3/19	1/7/20	4/1/20	7/8/20	
BTEX																											
Benzene	µg/L	0.67	0.067	5	0.5	< 0.22	< 0.22	< 0.33	< 0.33	< 0.33	< 0.33	< 0.38	<0.2	<0.27	< 0.22	< 0.22	< 0.33	< 0.33	< 0.33	< 0.33	< 0.38	<0.2	<0.27	< 0.22	< 0.22	< 0.33	< 0.33	
Ethylbenzene	µg/L	1360.0	272.0	700	140	< 0.26	< 0.26	< 0.32	< 0.32	< 0.32	< 0.32	< 0.37	<0.2	<0.82	< 0.26	< 0.26	< 0.32	< 0.32	< 0.32	< 0.32	< 0.37	<0.2	<0.82	< 0.26	< 0.26	< 0.32	< 0.32	
Xylenes, Total	µg/L	620.0	124.0	10,000	1,000	< 0.72	< 0.72	< 1.48	< 1.48	< 1.48	< 1.48	< 1.21	<0.6	<2.41	< 0.72	< 0.72	< 1.48	< 1.48	< 1.48	< 1.48	< 1.21	<0.6	<2.41	< 0.72	< 0.72	< 1.48	< 1.48	
Toluene	µg/L	343.0	68.6	1,000	200	< 0.19	< 0.19	< 0.26	< 0.26	< 0.26	< 0.26	< 0.42	<0.2	<0.8	< 0.19	< 0.19	< 0.26	< 0.26	< 0.26	< 0.26	< 0.42	<0.2	<0.8	< 0.19	< 0.19	< 0.26	< 0.26	
PAHS																											
Acenaphthene	µg/L	NS	NS	NS	NS	12.1	17.4	16.5	14.6	26.2	23.8	20	2.9	1.77	1.16	1.99	2.32	1.93	2.21	2.21	1.5	<0.58	<0.021	< 0.0094	< 0.0094	< 0.0094	< 0.0094	
Acenaphthylene	µg/L	NS	NS	NS	NS	0.065 J	0.122 J	0.094 J	< 0.078	0.194 J	0.201 J	0.134 J	<1	<0.02	< 0.0156	< 0.0156	< 0.0156	< 0.0156	0.0178 J	0.0197 J	0.0162 J	<1.2	<0.02	< 0.0156	< 0.0156	< 0.0156	< 0.0156	
Anthracene	µg/L	NS	NS	3,000	600	0.229	0.176 J	0.208 J	0.223 J	0.301	0.25	0.216 J	0.12	0.113	0.063	0.0178 J	0.0214 J	0.062	0.074	0.073	0.063	<0.023	0.035 J	0.022 J	< 0.015	0.0182 J	0.0163 J	
Benzo(a)anthracene	µg/L	NS	NS	NS	NS	0.077 J	0.159 J	0.124 J	< 0.1	0.129 J	0.165 J	0.141 J	<0.01	0.025 J	0.0154 J	< 0.02	0.0208 J	< 0.02	< 0.02	< 0.02	< 0.02	<0.012	<0.025	< 0.0131	< 0.02	0.0211 J	< 0.02	
Benzo(a)pyrene	µg/L	NS	NS	0.2	0.02	< 0.0334	< 0.0835	< 0.0835	< 0.0835	< 0.0835	< 0.0835	< 0.0835	<0.01	<0.018	< 0.0167	< 0.0167	< 0.0167	< 0.0167	< 0.0167	< 0.0167	< 0.0167	<0.012	<0.018	< 0.0167	< 0.0167	< 0.0167	< 0.0167	
Benzo(b)fluoranthene	µg/L	NS	NS	0.2	0.02	*0.035 J*	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	<0.0083	<0.02	< 0.016	< 0.016	0.0184 J	< 0.016	< 0.016	< 0.016	< 0.016	<0.0093	<0.02	< 0.016	< 0.016	0.0174 J	< 0.016	
Benzo(ghi)perylene	µg/L	NS	NS	NS	NS	< 0.0284	< 0.071	< 0.071	< 0.071	< 0.071	< 0.071	< 0.071	<0.062	<0.023	< 0.0142	< 0.0142	< 0.0142	< 0.0142	< 0.0142	< 0.0142	< 0.0142	<0.069	<0.023	< 0.0142	< 0.0142	< 0.0142	< 0.0142	
Benzo(k)fluoranthene	µg/L	NS	NS	NS	NS	< 0.0292	< 0.073	< 0.073	< 0.073	< 0.073	< 0.073	< 0.073	<0.0083	<0.027	< 0.0146	< 0.0146	0.0154 J	< 0.0146	< 0.0146	< 0.0146	< 0.0146	<0.0093	<0.027	< 0.0146	< 0.0146	< 0.0146	< 0.0146	
Chrysene	µg/L	NS	NS	0.2	0.02	*0.052 J*	< 0.0785	< 0.0785	< 0.0785	*0.089 J*	*0.1 J*	< 0.0785	<0.062	<0.018	< 0.0157	< 0.0157	< 0.0157	< 0.0157	< 0.0157	< 0.0157	< 0.0157	<0.069	<0.018	< 0.0157	< 0.0157	< 0.0157	< 0.0157	
Dibenzo(a,h)anthracene	µg/L	NS	NS	NS	NS	< 0.0346	< 0.0865	< 0.0865	< 0.0865	< 0.0865	< 0.0865	< 0.0865	<0.021	<0.023	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	<0.023	<0.023	< 0.0173	< 0.0173	< 0.0173	< 0.0173	
Fluoranthene	µg/L	NS	NS	400	80	0.87	0.98	0.84	0.71	1.1	1.22	1.18	27	0.155	0.097	0.111	0.075	0.073	0.081	0.047	0.033	<0.023	<0.026	< 0.0088	< 0.0088	< 0.0088	< 0.0088	
Fluorene	µg/L	NS	NS	400	80	2.31	3.05	3.2	0.89	4.4	3.5	2.76	1.4	0.259	0.051	0.189	0.117	0.111	0.145	0.053	0.064	<0.12	<0.02	< 0.0079	< 0.0079	< 0.0079	< 0.0079	
Indeno(1,2,3-cd)pyrene	µg/L	NS	NS	NS	NS	< 0.0242	< 0.0605	< 0.0605	< 0.0605	< 0.0605	< 0.0605	< 0.0605	<0.041	<0.027	< 0.0121	< 0.0121	< 0.0121	< 0.0121	< 0.0121	< 0.0121	< 0.0121	<0.046	<0.027	< 0.0121	< 0.0121	< 0.0121	< 0.0121	
Naphthalene	µg/L	NS	NS	100	10	< 0.052	< 0.15	0.34 J	< 0.15	< 0.15	< 0.15	< 0.15	<1	0.024 J	< 0.026	0.066 J	< 0.03	< 0.03	< 0.03	0.065 J	< 0.03	<1.2	<0.023	< 0.026	< 0.03	0.05 J	< 0.03	
Phenanthrene	µg/L	NS	NS	NS	NS	0.097	0.124 J	0.106 J	< 0.0715	0.084 J	0.085 J	< 0.0715	0.59	0.035 J	< 0.0143	0.045 J	0.063	< 0.0143	0.018 J	< 0.0143	< 0.0143	<0.046	<0.018	< 0.0143	< 0.0143	< 0.0143	< 0.0143	
Pyrene	µg/L	NS	NS	250	50	0.52	0.59	0.5	0.289	0.68	0.8	0.76	0.16 J	0.104	0.058	0.057	0.039	0.038 J	0.053	0.0308 J	0.0199 J	<0.12	<0.025	< 0.0121	< 0.0121	< 0.0121	< 0.0121	

abandoned July 2020

Notes:
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   BOLD = Concentration exceeds EPA ROD ES
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Trip blank 12/31/19, 1/10/20 BTEX less than LOD
Trip blank 4/3/20, 4/8/20 BTEX less than LOD
Trip blank 7/10/2020, 7/14/2020 BTEX less than LOD
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Equip blank 10/9/2020 BTEX less than LOD
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Trip blank 4/2/21 BTEX less than LOD
Equip blank 3/30, 3/31, 4/1, 4/2/21 BTEX less than LOD

Table 4
Groundwater Analytical Results
Former Moss American Facility
Sigma Project No. 18687

Well Location:		EPA ROD ES	EPA ROD PAL	NR 140 ES	NR 140 PAL	TG2-2										TG2-3							
								DUP #4				DUP #1			DUP #2		DUP #2						
Date:						10/3/19	1/7/20	1/7/20	4/1/20	7/8/20	10/6/20	10/6/20	1/6/21	1/6/21	3/31/21	3/31/21	9/29/10	10/3/19	1/7/20	4/1/20	7/8/20	10/6/20	1/6/21	3/31/21
BTEX																							
Benzene	µg/L	0.67	0.067	5	0.5	< 0.22	< 0.22	< 0.22	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.38	< 0.38	<0.2	< 0.22	< 0.22	< 0.33	< 0.33	< 0.33	< 0.33	< 0.38
Ethylbenzene	µg/L	1360.0	272.0	700	140	< 0.26	< 0.26	< 0.26	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.37	< 0.37	<0.2	< 0.26	< 0.26	< 0.32	< 0.32	< 0.32	< 0.32	< 0.37
Xylenes, Total	µg/L	620.0	124.0	10,000	1,000	< 0.72	< 0.72	< 0.72	< 1.48	< 1.48	< 1.48	< 1.48	< 1.48	< 1.48	< 1.21	< 1.21	<0.6	< 0.72	< 0.72	< 1.48	< 1.48	< 1.48	< 1.48	< 1.21
Toluene	µg/L	343.0	68.6	1,000	200	< 0.19	< 0.19	< 0.19	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.42	< 0.42	<0.2	< 0.19	< 0.19	< 0.26	< 0.26	< 0.26	< 0.26	< 0.42
PAHS																							
Acenaphthene	µg/L	NS	NS	NS	NS	0.047	0.067	NT	0.085	0.043	0.094	0.102	0.066	0.038	0.037	0.061	<0.55	< 0.0094	< 0.0094	< 0.0094	< 0.0094	0.0097 J	0.0157 J	0.0189 J
Acenaphthylene	µg/L	NS	NS	NS	NS	0.097	0.061	NT	0.224	0.0189 J	< 0.0156	0.05	0.0222 J	< 0.0156	< 0.0156	< 0.0156	<1.1	< 0.0156	< 0.0156	< 0.0156	< 0.0156	< 0.0156	< 0.0156	< 0.0156
Anthracene	µg/L	NS	NS	3,000	600	0.285	0.13	NT	0.59	0.069	0.075	0.16	0.061	0.052	0.065	0.087	<0.022	0.032 J	0.0211 J	0.0245 J	0.046 J	0.033 J	0.0293 J	0.047 J
Benzo(a)anthracene	µg/L	NS	NS	NS	NS	0.115	0.071	NT	0.34	< 0.02	< 0.02	0.076	0.0285 J	< 0.02	< 0.02	0.0232 J	<0.011	0.0205 J	< 0.02	0.028 J	< 0.02	< 0.02	< 0.02	< 0.02
Benzo(a)pyrene	µg/L	NS	NS	0.2	0.02	*0.114*	*0.069*	NT	**0.41**	0.0178 J	< 0.0167	*0.117*	0.0173 J	< 0.0167	< 0.0167	< 0.0167	<0.011	< 0.0167	< 0.0167	0.0171 J	< 0.0167	< 0.0167	< 0.0167	< 0.0167
Benzo(b)fluoranthene	µg/L	NS	NS	0.2	0.02	**0.315**	*0.169*	NT	**0.93**	*0.04 J*	*0.0212 J*	*0.178*	*0.032 J*	*0.0206 J*	< 0.016	*0.0316 J*	<0.0088	*0.0273 J*	< 0.016	*0.0255 J*	< 0.016	< 0.016	< 0.016	< 0.016
Benzo(ghi)perylene	µg/L	NS	NS	NS	NS	0.225	0.13	NT	0.61	0.032 J	< 0.0142	0.115	0.0239 J	0.0147 J	< 0.0142	0.0208 J	<0.066	< 0.0142	< 0.0142	0.0181 J	< 0.0142	< 0.0142	< 0.0142	< 0.0142
Benzo(k)fluoranthene	µg/L	NS	NS	NS	NS	0.08	0.051	NT	0.238	0.017 J	< 0.0146	0.049	< 0.0146	< 0.0146	< 0.0146	0.0177 J	<0.0088	0.0207 J	< 0.0146	0.0148 J	< 0.0146	< 0.0146	< 0.0146	< 0.0146
Chrysene	µg/L	NS	NS	0.2	0.02	*0.137*	*0.093*	NT	**0.4**	*0.0222 J*	< 0.0157	*0.085*	0.0195 J	< 0.0157	< 0.0157	*0.0205 J*	<0.066	< 0.0157	< 0.0157	< 0.0157	< 0.0157	< 0.0157	< 0.0157	< 0.0157
Dibenzo(a,h)anthracene	µg/L	NS	NS	NS	NS	0.039 J	< 0.0173	NT	0.106	< 0.0173	< 0.0173	0.0311 J	< 0.0173	< 0.0173	< 0.0173	< 0.0173	<0.022	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173
Fluoranthene	µg/L	NS	NS	400	80	0.279	0.183	NT	0.74	0.05	0.044	0.205	0.06	0.051	0.041	0.153	0.026 J	0.0177 J	0.0175 J	0.0179 J	< 0.0088	0.0192 J	0.0207 J	0.0134 J
Fluorene	µg/L	NS	NS	400	80	0.0263	0.0192 J	NT	0.046	0.009 J	0.0177 J	0.033	0.0282	0.0193 J	0.0152 J	0.034	<0.11	< 0.0079	< 0.0079	0.01 J	< 0.0079	< 0.0079	0.011 J	< 0.0079
Indeno(1,2,3-cd)pyrene	µg/L	NS	NS	NS	NS	0.138	0.085	NT	0.43	0.0179 J	< 0.0121	0.073	0.022 J	< 0.0121	< 0.0121	0.0171 J	<0.044	< 0.0121	< 0.0121	0.0143 J	< 0.0121	< 0.0121	< 0.0121	< 0.0121
Naphthalene	µg/L	NS	NS	100	10	< 0.026	< 0.03	NT	0.054 J	< 0.03	< 0.03	< 0.03	0.184	0.051 J	< 0.03	< 0.03	<1.1	< 0.026	< 0.03	0.074 J	< 0.03	< 0.03	0.056 J	< 0.03
Phenanthrene	µg/L	NS	NS	NS	NS	0.069	0.043 J	NT	0.188	0.0148 J	< 0.0143	0.082	0.0268 J	0.0195 J	0.0178 J	0.023 J	<0.044	< 0.0143	< 0.0143	< 0.0143	< 0.0143	< 0.0143	0.0177 J	< 0.0143
Pyrene	µg/L	NS	NS	250	50	0.262	0.176	NT	0.7	0.046	0.041	0.195	0.054	0.044	0.032 J	0.097	<0.11	0.0156 J	0.0145 J	0.0138 J	< 0.0121	0.0161 J	0.0168 J	< 0.0121

Notes:
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4. NR 140 PAL = Wisconsin Administrative Code, Chapter NR 140 Preventive Action Limit
5. NS = no standard
6. µg/L = micrograms per liter (equivalent to parts per billion, ppb)
7. Laboratory flags: "J" = Analyte detected between Limit of Detection and Limit of Quantitation
8. NT = not tested
9. Exceedances:
   BOLD = Concentration exceeds NR 140 ES
   ITALICS = Concentration exceeds NR 140 PAL
   BOLD = Concentration exceeds EPA ROD ES
   ITALICS = Concentration exceeds EPA ROD PAL

Trip blank 12/31/19, 1/10/20 BTEX less than LOD
Trip blank 4/3/20, 4/8/20 BTEX less than LOD
Trip blank 7/10/2020, 7/14/2020 BTEX less than LOD
Equip blank 7/10/2020 BTEX less than LOD
Trip blank 10/9/2020 BTEX less than LOD
Equip blank 10/9/2020 BTEX less than LOD
Trip blank 1/8/2021 BTEX less than LOD
Equip blank 1/6/2021, 1/7/2021, 1/8/2021 less than LOD
Trip blank 4/2/21 BTEX less than LOD
Equip blank 3/30, 3/31, 4/1, 4/2/21 BTEX less than LOD

Table 4
Groundwater Analytical Results
Former Moss American Facility
Sigma Project No. 18687

Well Location:		EPA ROD ES	EPA ROD PAL	NR 140 ES	NR 140 PAL	TG3-1												TG3-2						
Date:						9/29/10	4/3/13	10/3/19	1/7/20	4/2/20	7/9/20	10/7/20	DUP #2 10/7/20	1/7/21	DUP #3 1/7/21	4/1/21	DUP #3 4/1/21	10/3/19	1/7/20	4/2/20	7/9/20	10/7/20	1/7/21	4/1/21
BTEX																								
Benzene	µg/L	0.67	0.067	5	0.5	<0.2	<0.27	< 0.22	< 0.22	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.38	< 0.38	< 0.22	< 0.22	< 0.33	< 0.33	< 0.33	< 0.33	< 0.38
Ethylbenzene	µg/L	1360.0	272.0	700	140	<0.2	<0.82	< 0.26	< 0.26	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.37	< 0.37	< 0.26	< 0.26	< 0.32	< 0.32	< 0.32	< 0.32	< 0.37
Xylenes, Total	µg/L	620.0	124.0	10,000	1,000	<0.6	<2.41	< 0.72	< 0.72	< 1.48	< 1.48	< 1.48	< 1.48	< 1.48	< 1.48	< 1.21	< 1.21	< 0.72	< 0.72	< 1.48	< 1.48	< 1.48	< 1.48	< 1.21
Toluene	µg/L	343.0	68.6	1,000	200	<0.2	<0.8	< 0.19	< 0.19	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.42	< 0.42	< 0.19	< 0.19	< 0.26	< 0.26	< 0.26	< 0.26	< 0.42
PAHS																								
Acenaphthene	µg/L	NS	NS	NS	NS	<0.54	0.099	0.189	0.167	0.146	0.164	0.291	0.244	0.141	0.128	0.14	0.113	0.087	0.127	0.114	0.163	0.188	0.121	0.114
Acenaphthylene	µg/L	NS	NS	NS	NS	<1.1	0.056 J	< 0.0156	0.0223 J	< 0.0156	0.063	0.0176 J	0.0161 J	< 0.0156	< 0.0156	0.0157 J	< 0.0156	0.0252 J	0.0234 J	0.0221 J	< 0.0156	0.0164 J	< 0.0156	< 0.0156
Anthracene	µg/L	NS	NS	3,000	600	<0.022	0.189	0.106	0.072	0.094	0.205	0.111	0.132	0.101	0.21	0.145	0.14	0.116	0.072	0.102	0.082	0.083	0.071	0.086
Benzo(a)anthracene	µg/L	NS	NS	NS	NS	<0.011	0.076 J	0.032 J	0.0296 J	0.0208 J	0.04 J	0.0205 J	0.0232 J	< 0.02	< 0.02	< 0.02	< 0.02	0.04 J	0.034 J	0.035 J	< 0.02	< 0.02	< 0.02	0.0233 J
Benzo(a)pyrene	µg/L	NS	NS	0.2	0.02	<0.011	*0.04 J*	< 0.0167	< 0.0167	< 0.0167	*0.024 J*	< 0.0167	< 0.0167	< 0.0167	< 0.0167	< 0.0167	< 0.0167	*0.0246 J*	0.0198 J	*0.0252 J*	< 0.0167	*0.0202 J*	< 0.0167	< 0.0167
Benzo(b)fluoranthene	µg/L	NS	NS	0.2	0.02	<0.0087	*0.073*	*0.0228 J*	< 0.016	< 0.016	*0.043 J*	< 0.016	*0.0212 J*	< 0.016	< 0.016	< 0.016	< 0.016	*0.07*	*0.038 J*	*0.059*	< 0.016	*0.0315 J*	*0.0214 J*	< 0.016
Benzo(ghi)perylene	µg/L	NS	NS	NS	NS	<0.065	0.065 J	< 0.0142	0.0152 J	< 0.0142	0.042 J	< 0.0142	0.0179 J	< 0.0142	< 0.0142	< 0.0142	< 0.0142	0.049	0.033 J	0.038 J	< 0.0142	0.017 J	0.0159 J	< 0.0142
Benzo(k)fluoranthene	µg/L	NS	NS	NS	NS	<0.0087	0.029 J	0.0169 J	< 0.0146	< 0.0146	< 0.0146	< 0.0146	0.0164 J	< 0.0146	< 0.0146	< 0.0146	< 0.0146	0.0261 J	0.0175 J	0.0181 J	< 0.0146	< 0.0146	< 0.0146	< 0.0146
Chrysene	µg/L	NS	NS	0.2	0.02	<0.065	*0.061*	*0.0236 J*	< 0.0157	< 0.0157	*0.043 J*	< 0.0157	< 0.0157	< 0.0157	< 0.0157	< 0.0157	< 0.0157	*0.034 J*	*0.0213 J*	*0.0294 J*	< 0.0157	0.0177 J	< 0.0157	0.0176 J
Dibenzo(a,h)anthracene	µg/L	NS	NS	NS	NS	<0.022	<0.023	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173
Fluoranthene	µg/L	NS	NS	400	80	0.062 J	0.244	0.05	0.057	0.035	0.158	0.045	0.044	0.035	0.0251 J	0.033	0.0277 J	0.077	0.059	0.073	0.0259 J	0.052	0.039	0.058
Fluorene	µg/L	NS	NS	400	80	0.12 J	0.068	0.026	0.056	0.0211 J	0.033	0.061	0.049	0.045	0.035	0.042	0.032	0.0139 J	0.016 J	0.0091 J	0.0112 J	0.0149 J	0.0088 J	0.009 J
Indeno(1,2,3-cd)pyrene	µg/L	NS	NS	NS	NS	<0.044	0.044 J	< 0.0121	< 0.0121	< 0.0121	0.0249 J	< 0.0121	0.0157 J	< 0.0121	< 0.0121	< 0.0121	< 0.0121	0.031 J	0.0236 J	0.0269 J	0.0145 J	< 0.0121	0.0159 J	< 0.0121
Naphthalene	µg/L	NS	NS	100	10	<1.1	0.024 J	< 0.026	< 0.03	0.032 J	< 0.03	< 0.03	< 0.03	0.047 J	< 0.03	< 0.03	< 0.03	< 0.026	< 0.03	0.036 J	< 0.03	< 0.03	0.045 J	< 0.03
Phenanthrene	µg/L	NS	NS	NS	NS	<0.044	0.069	0.0298 J	0.0209 J	0.0186 J	0.035 J	0.017 J	< 0.0143	0.0168 J	< 0.0143	0.0175 J	< 0.0143	0.0246 J	0.0239 J	0.0237 J	< 0.0143	0.0166 J	0.0173 J	0.0175 J
Pyrene	µg/L	NS	NS	250	50	<0.11	0.199	0.036 J	0.049	0.0283 J	0.121	0.037 J	0.036 J	0.0274 J	0.0202 J	0.0277 J	0.0218 J	0.069	0.052	0.064	0.018 J	0.046	0.033 J	0.043

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   ITALICS = Concentration exceeds NR 140 PAL
   BOLD = Concentration exceeds EPA ROD ES
   ITALICS = Concentration exceeds EPA ROD PAL

Trip blank 12/31/19, 1/10/20 BTEX less than LOD
Trip blank 4/3/20, 4/8/20 BTEX less than LOD
Trip blank 7/10/2020, 7/14/2020 BTEX less than LOD
Equip blank 7/10/2020 BTEX less than LOD
Trip blank 10/9/2020 BTEX less than LOD
Equip blank 10/9/2020 BTEX less than LOD
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Trip blank 4/2/21 BTEX less than LOD
Equip blank 3/30, 3/31, 4/1, 4/2/21 BTEX less than LOD

Table 4
Groundwater Analytical Results
Former Moss American Facility
Sigma Project No. 18687

Well Location:		EPA ROD ES	EPA ROD PAL	NR 140 ES	NR 140 PAL	TG3-3								TG4-1								TG4-2						
Date:						9/29/10	10/3/19	1/8/20	4/2/20	7/9/20	10/7/20	1/7/21	4/1/21	9/29/10	10/8/19	12/31/19	4/2/20	7/9/20	10/8/20	1/7/21	4/1/21	10/8/19	12/31/19	4/2/20	7/9/20	10/8/20	1/7/21	4/1/21
BTEX																												
Benzene	µg/L	0.67	0.067	5	0.5	<0.2	< 0.22	< 0.22	< 0.33	< 0.33	< 0.33		< 0.38	<0.2	< 0.22	< 0.22	< 0.33	< 0.33	< 0.33	< 0.33	< 0.38	< 0.22	< 0.22	< 0.33	< 0.33	< 0.33	< 0.33	< 0.38
Ethylbenzene	µg/L	1360.0	272.0	700	140	<0.2	< 0.26	< 0.26	< 0.32	< 0.32	< 0.32		< 0.37	<0.2	< 0.26	< 0.26	< 0.32	< 0.32	< 0.32	< 0.32	< 0.37	< 0.26	< 0.26	< 0.32	< 0.32	< 0.32	< 0.32	< 0.37
Xylenes, Total	µg/L	620.0	124.0	10,000	1,000	<0.6	< 0.72	< 0.72	< 1.48	< 1.48	< 1.48		< 1.21	<0.6	< 0.72	< 0.72	< 1.48	< 1.48	< 1.48	< 1.48	< 1.21	< 0.72	< 0.72	< 1.48	< 1.48	< 1.48	< 1.48	< 1.21
Toluene	µg/L	343.0	68.6	1,000	200	<0.2	< 0.19	< 0.19	< 0.26	< 0.26	< 0.26		< 0.42	<0.2	< 0.19	< 0.19	< 0.26	< 0.26	< 0.26	< 0.26	< 0.42	< 0.19	< 0.19	< 0.26	< 0.26	< 0.26	< 0.26	< 0.42
PAHS																												
Acenaphthene	µg/L	NS	NS	NS	NS	<0.52	0.27	0.37	0.223	0.235	0.38		0.301	<0.54	< 0.0094	0.0226 J	< 0.0094	< 0.0094	< 0.0094	0.0103 J	< 0.0094	0.252	0.63	0.306	0.235	0.223	0.33	0.253
Acenaphthylene	µg/L	NS	NS	NS	NS	<1	0.038 J	0.0193 J	0.0177 J	< 0.0156	0.0196 J		< 0.0156	<1.1	< 0.0156	0.0302 J	< 0.0156	< 0.0156	< 0.0156	< 0.0156	< 0.0156	< 0.0156	0.036 J	< 0.0156	< 0.0156	< 0.0156	0.019 J	< 0.0156
Anthracene	µg/L	NS	NS	3,000	600	0.023 J	0.196	0.073	0.125	0.096	0.13		0.098	<0.022	0.091	0.088	0.059	0.052	0.104	0.051	0.06	0.144	0.109	0.08	0.086	0.14	0.253	0.099
Benzo(a)anthracene	µg/L	NS	NS	NS	NS	<0.01	0.062	0.0308 J	0.038 J	< 0.02	0.0257 J		< 0.02	<0.011	0.0139 J	0.034 J	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	0.0289 J	0.051 J	0.0279 J	< 0.02	0.04 J	0.0293 J	< 0.02
Benzo(a)pyrene	µg/L	NS	NS	0.2	0.02	<0.01	*0.039 J*	< 0.0167	*0.028 J*	< 0.0167	*0.0225 J*		< 0.0167	<0.011	< 0.0167	*0.0224 J*	< 0.0167	< 0.0167	< 0.0167	< 0.0167	< 0.0167	< 0.0167	*0.028 J*	< 0.0167	< 0.0167	< 0.0167	< 0.0167	< 0.0167
Benzo(b)fluoranthene	µg/L	NS	NS	0.2	0.02	<0.0083	*0.108*	*0.0245 J*	*0.051 J*	< 0.016	*0.04 J*		< 0.016	<0.0086	< 0.016	*0.0251 J*	< 0.016	< 0.016	< 0.016	< 0.016	< 0.016	0.0196 J	*0.049 J*	0.0175 J	< 0.016	*0.034 J*	0.0178 J	< 0.016
Benzo(ghi)perylene	µg/L	NS	NS	NS	NS	<0.062	0.072	0.0217 J	0.039 J	< 0.0142	0.0229 J		< 0.0142	<0.065	< 0.0142	0.0203 J	< 0.0142	< 0.0142	< 0.0142	< 0.0142	< 0.0142	< 0.0142	0.039 J	< 0.0142	< 0.0142	< 0.0142	< 0.0142	< 0.0142
Benzo(k)fluoranthene	µg/L	NS	NS	NS	NS	<0.0083	0.036 J	< 0.0146	0.0222 J	< 0.0146	< 0.0146		< 0.0146	<0.0086	< 0.0146	0.0243 J	< 0.0146	< 0.0146	< 0.0146	< 0.0146	< 0.0146	< 0.0146	0.022 J	< 0.0146	< 0.0146	< 0.0146	< 0.0146	< 0.0146
Chrysene	µg/L	NS	NS	0.2	0.02	<0.062	*0.066*	*0.0207 J*	*0.0295 J*	< 0.0157	*0.0242 J*		< 0.0157	<0.065	< 0.0157	*0.0281 J*	< 0.0157	< 0.0157	< 0.0157	< 0.0157	< 0.0157	0.0159 J	*0.041 J*	< 0.0157	< 0.0157	*0.0267 J*	< 0.0157	< 0.0157
Dibenzo(a,h)anthracene	µg/L	NS	NS	NS	NS	<0.021	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173		< 0.0173	<0.022	< 0.0173	0.0218 J	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173
Fluoranthene	µg/L	NS	NS	400	80	0.061 J	0.222	0.073	0.105	0.0266 J	0.102		0.042	<0.022	< 0.0088	0.029	< 0.0088	< 0.0088	0.0097 J	0.0099 J	0.0109 J	0.169	0.305	0.131	0.113	0.164	0.178	0.099
Fluorene	µg/L	NS	NS	400	80	0.15 J	0.05	0.06	0.0259	0.0136 J	0.0283		0.0176 J	<0.11	< 0.0079	0.0285	< 0.0079	< 0.0079	< 0.0079	< 0.0079	< 0.0079	< 0.0079	0.0209 J	< 0.0079	< 0.0079	0.011 J	0.0084 J	0.008 J
Indeno(1,2,3-cd)pyrene	µg/L	NS	NS	NS	NS	<0.042	0.042	0.0152 J	0.0298 J	< 0.0121	0.0141 J		< 0.0121	<0.043	< 0.0121	0.0201 J	< 0.0121	< 0.0121	< 0.0121	< 0.0121	< 0.0121	< 0.0121	0.0284 J	< 0.0121	< 0.0121	< 0.0121	< 0.0121	< 0.0121
Naphthalene	µg/L	NS	NS	100	10	<1	< 0.026	1.28	0.035 J	< 0.03	< 0.03		< 0.03	<1.1	0.032 J	0.058 J	0.046 J	< 0.03	0.034 J	0.052 J	< 0.03	0.036 J	0.054 J	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Phenanthrene	µg/L	NS	NS	NS	NS	0.1 J	0.155	0.111	0.11	0.069	0.126		0.081	<0.043	< 0.0143	0.037 J	< 0.0143	< 0.0143	< 0.0143	< 0.0143	< 0.0143	0.0166 J	0.0304 J	0.0146 J	< 0.0143	0.063	< 0.0143	0.0155 J
Pyrene	µg/L	NS	NS	250	50	<0.1	0.178	0.058	0.087	0.0192 J	0.083		0.0313 J	<0.11	< 0.0121	0.0267 J	< 0.0121	< 0.0121	< 0.0121	< 0.0121	< 0.0121	0.123	0.217	0.104	0.077	0.138	0.14	0.082

ice obstruction - not sampled

Notes:
1. EPA ROD ES = Enforcement Standard within the EPA's 1990 Record of Decision for Moss America
2. EPA ROD PAL = Preventive Action Limit within the EPA's 1990 Record of Decision for Moss America
3. NR 140 ES = Wisconsin Administrative Code, Chapter NR 140 Enforcement Standard
4. NR 140 PAL = Wisconsin Administrative Code, Chapter NR 140 Preventive Action Limit
5. NS = no standard
6. µg/L = micrograms per liter (equivalent to parts per billion, ppb)
7. Laboratory flags: "J" = Analyte detected between Limit of Detection and Limit of Quantitation
8. NT = not tested
9. Exceedances:
   BOLD = Concentration exceeds NR 140 ES
   ITALICS = Concentration exceeds NR 140 PAL
   BOLD = Concentration exceeds EPA ROD ES
   ITALICS = Concentration exceeds EPA ROD PAL

Trip blank 12/31/19, 1/10/20 BTEX less than LOD
Trip blank 4/3/20, 4/8/20 BTEX less than LOD
Trip blank 7/10/2020, 7/14/2020 BTEX less than LOD
Equip blank 7/10/2020 BTEX less than LOD
Trip blank 10/9/2020 BTEX less than LOD
Equip blank 10/9/2020 BTEX less than LOD
Trip blank 1/8/2021 BTEX less than LOD
Equip blank 1/6/2021, 1/7/2021, 1/8/2021 less than LOD
Trip blank 4/2/21 BTEX less than LOD
Equip blank 3/30, 3/31, 4/1, 4/2/21 BTEX less than LOD

Table 4
Groundwater Analytical Results
Former Moss American Facility
Sigma Project No. 18687

Well Location:		EPA ROD ES	EPA ROD PAL	NR 140 ES	NR 140 PAL	TG4-3									TG5-1									
Date:						9/29/10	4/3/13	10/8/19	12/31/19	4/2/20	7/9/20	10/7/20	1/7/21	4/1/21	9/29/10	4/3/13	10/2/19	1/7/20	4/3/20	7/10/20	DUP #3 7/10/20	10/7/20	1/7/21	3/31/21
BTEX																								
Benzene	µg/L	0.67	0.067	5	0.5	<0.2	<0.27	< 0.22	< 0.22	< 0.33	< 0.33	< 0.33	< 0.33	< 0.38	<0.2	<0.27	< 0.22	< 0.22	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.38
Ethylbenzene	µg/L	1360.0	272.0	700	140	<0.2	<0.82	< 0.26	< 0.26	< 0.32	< 0.32	< 0.32	< 0.32	< 0.37	<0.2	<0.82	< 0.26	< 0.26	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.37
Xylenes, Total	µg/L	620.0	124.0	10,000	1,000	<0.6	<2.41	< 0.72	< 0.72	< 1.48	< 1.48	< 1.48	< 1.48	< 1.21	<0.6	<2.41	< 0.72	< 0.72	< 1.48	< 1.48	< 1.48	< 1.48	< 1.48	< 1.21
Toluene	µg/L	343.0	68.6	1,000	200	<0.2	<0.8	< 0.19	< 0.19	< 0.26	< 0.26	< 0.26	< 0.26	< 0.42	<0.2	<0.8	< 0.19	< 0.19	< 0.26	< 0.26	< 0.26	2.67	< 0.26	< 0.42
PAHS																								
Acenaphthene	µg/L	NS	NS	NS	NS	<0.52	<0.021	< 0.0094	0.0135 J	< 0.0094	< 0.0094	< 0.0094	< 0.0094	< 0.0094	<0.52	<0.021	< 0.0094	< 0.0094	< 0.0094	< 0.0094	0.0122 J	< 0.0094	0.0141 J	< 0.0094
Acenaphthylene	µg/L	NS	NS	NS	NS	<1	0.021 J	< 0.0156	0.0227 J	0.0164 J	< 0.0156	< 0.0156	< 0.0156	< 0.0156	<1	<0.02	< 0.0156	< 0.0156	< 0.0156	0.0312 J	0.052	< 0.0156	< 0.0156	< 0.0156
Anthracene	µg/L	NS	NS	3,000	600	<0.021	0.127	0.12	0.078	0.084	0.07	0.098	0.207	0.086	<0.021	0.054 J	0.038 J	0.0294 J	0.064	0.102	0.146	0.061	0.106	0.044 J
Benzo(a)anthracene	µg/L	NS	NS	NS	NS	<0.01	0.033 J	0.0208 J	0.0313 J	0.0247 J	< 0.02	< 0.02	< 0.02	< 0.02	<0.01	<0.025	0.074	0.0224 J	< 0.02	< 0.02	0.0264 J	< 0.02	< 0.02	< 0.02
Benzo(a)pyrene	µg/L	NS	NS	0.2	0.02	<0.01	*0.024 J*	< 0.0167	*0.0235 J*	< 0.0167	< 0.0167	< 0.0167	< 0.0167	< 0.0167	<0.01	<0.018	< 0.0167	< 0.0167	< 0.0167	0.0198 J	*0.04 J*	< 0.0167	< 0.0167	< 0.0167
Benzo(b)fluoranthene	µg/L	NS	NS	0.2	0.02	<0.0084	*0.044 J*	< 0.016	*0.0315 J*	*0.0253 J*	< 0.016	< 0.016	< 0.016	< 0.016	<0.0084	<0.02	*0.056*	< 0.016	< 0.016	*0.037 J*	*0.057*	< 0.016	< 0.016	< 0.016
Benzo(ghi)perylene	µg/L	NS	NS	NS	NS	<0.063	0.042 J	0.0152 J	0.0285 J	0.0272 J	0.0181 J	< 0.0142	< 0.0142	< 0.0142	<0.063	<0.023	0.034 J	0.0151 J	< 0.0142	0.037 J	0.065	< 0.0142	< 0.0142	< 0.0142
Benzo(k)fluoranthene	µg/L	NS	NS	NS	NS	<0.0084	<0.027	< 0.0146	0.0227 J	< 0.0146	< 0.0146	< 0.0146	< 0.0146	< 0.0146	<0.0084	<0.027	0.051	< 0.0146	< 0.0146	0.016 J	0.0229 J	< 0.0146	< 0.0146	< 0.0146
Chrysene	µg/L	NS	NS	0.2	0.02	<0.063	*0.023 J*	< 0.0157	*0.0263 J*	< 0.0157	< 0.0157	< 0.0157	< 0.0157	< 0.0157	<0.063	<0.018	*0.065*	< 0.0157	< 0.0157	< 0.0157	*0.032 J*	< 0.0157	< 0.0157	< 0.0157
Dibenzo(a,h)anthracene	µg/L	NS	NS	NS	NS	<0.021	<0.023	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	<0.021	<0.023	0.0265 J	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173
Fluoranthene	µg/L	NS	NS	400	80	<0.021	0.083 J	0.025 J	0.034	0.035	0.0118 J	0.0185 J	0.0154 J	0.0249 J	<0.021	<0.026	0.051	0.0097 J	< 0.0088	0.0186 J	0.039	0.0124 J	0.0092 J	0.0105 J
Fluorene	µg/L	NS	NS	400	80	<0.1	<0.02	< 0.0079	0.0165 J	< 0.0079	< 0.0079	< 0.0079	< 0.0079	< 0.0079	<0.1	<0.02	< 0.0079	0.0088 J	< 0.0079	< 0.0079	0.0149 J	0.0084 J	< 0.0079	< 0.0079
Indeno(1,2,3-cd)pyrene	µg/L	NS	NS	NS	NS	<0.042	<0.027	< 0.0121	0.0215 J	0.0171 J	0.0176 J	< 0.0121	< 0.0121	< 0.0121	<0.042	<0.027	0.0278 J	< 0.0121	< 0.0121	0.0259 J	0.041	< 0.0121	< 0.0121	< 0.0121
Naphthalene	µg/L	NS	NS	100	10	<1	<0.023	0.048 J	0.051 J	0.035 J	< 0.03	< 0.03	< 0.03	< 0.03	<1	<0.023	< 0.026	< 0.03	0.032 J	< 0.03	< 0.03	< 0.03	0.299	< 0.03
Phenanthrene	µg/L	NS	NS	NS	NS	<0.042	0.037 J	< 0.0143	0.0232 J	< 0.0143	< 0.0143	< 0.0143	< 0.0143	< 0.0143	<0.042	0.027 J	< 0.0143	< 0.0143	< 0.0143	< 0.0143	0.0223 J	< 0.0143	< 0.0143	< 0.0143
Pyrene	µg/L	NS	NS	250	50	<0.1	0.071 J	0.0245 J	0.034 J	0.032 J	< 0.0121	0.0185 J	0.0153 J	0.0211 J	<0.1	<0.025	0.051	0.0122 J	< 0.0121	0.0248 J	0.049	0.0125 J	< 0.0121	< 0.0121

Notes:
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3. NR 140 ES = Wisconsin Administrative Code, Chapter NR 140 Enforcement Standard
4. NR 140 PAL = Wisconsin Administrative Code, Chapter NR 140 Preventive Action Limit
5. NS = no standard
6. µg/L = micrograms per liter (equivalent to parts per billion, ppb)
7. Laboratory flags: "J" = Analyte detected between Limit of Detection and Limit of Quantitation
8. NT = not tested
9. Exceedances:
   BOLD = Concentration exceeds NR 140 ES
   ITALICS = Concentration exceeds NR 140 PAL
   BOLD = Concentration exceeds EPA ROD ES
   ITALICS = Concentration exceeds EPA ROD PAL

Trip blank 12/31/19, 1/10/20 BTEX less than LOD
Trip blank 4/3/20, 4/8/20 BTEX less than LOD
Trip blank 7/10/2020, 7/14/2020 BTEX less than LOD
Equip blank 7/10/2020 BTEX less than LOD
Trip blank 10/9/2020 BTEX less than LOD
Equip blank 10/9/2020 BTEX less than LOD
Trip blank 1/8/2021 BTEX less than LOD
Equip blank 1/6/2021, 1/7/2021, 1/8/2021 less than LOD
Trip blank 4/2/21 BTEX less than LOD
Equip blank 3/30, 3/31, 4/1, 4/2/21 BTEX less than LOD

Table 4
Groundwater Analytical Results
Former Moss American Facility
Sigma Project No. 18687

Well Location:		EPA ROD ES	EPA ROD PAL	NR 140 ES	NR 140 PAL	TG5-2									TG5-3								
Date:						10/7/19	1/7/20	DUP #6 1/7/20	4/3/20	DUP #4 4/3/20	7/10/20	10/8/20	1/7/21	3/31/21	9/29/10	4/3/13	10/2/19	12/31/19	4/3/20	7/10/20	10/7/20	1/7/21	3/31/21
BTEX																							
Benzene	µg/L	0.67	0.067	5	0.5	< 0.22	< 0.22	< 0.22	< 0.33	< 0.33	< 0.33	< 0.33		< 0.38	<0.2	<0.27	< 0.22	< 0.22	< 0.33	< 0.33	< 0.33	< 0.33	< 0.38
Ethylbenzene	µg/L	1360.0	272.0	700	140	< 0.26	< 0.26	< 0.26	< 0.32	< 0.32	< 0.32	< 0.32		< 0.37	<0.2	<0.82	< 0.26	< 0.26	< 0.32	< 0.32	< 0.32	< 0.32	< 0.37
Xylenes, Total	µg/L	620.0	124.0	10,000	1,000	< 0.72	< 0.72	< 0.72	< 1.48	< 1.48	< 1.48	< 1.48		< 1.21	<0.6	<2.41	< 0.72	< 0.72	< 1.48	< 1.48	< 1.48	< 1.48	< 1.21
Toluene	µg/L	343.0	68.6	1,000	200	< 0.19	< 0.19	< 0.19	< 0.26	< 0.26	< 0.26	< 0.26		< 0.42	<0.2	<0.8	< 0.19	< 0.19	< 0.26	< 0.26	< 0.26	< 0.26	< 0.42
PAHS																							
Acenaphthene	µg/L	NS	NS	NS	NS	0.036	0.036	NT	0.0121 J	0.012 J	< 0.0094	0.051		0.0149 J	<0.52	<0.021	< 0.0094	0.0149 J	< 0.0094	< 0.0094	< 0.0094	< 0.0094	< 0.0094
Acenaphthylene	µg/L	NS	NS	NS	NS	0.17	0.095	NT	0.06	0.081	< 0.0156	0.062		< 0.0156	<1	<0.02	< 0.0156	0.0188 J	< 0.0156	< 0.0156	< 0.0156	< 0.0156	< 0.0156
Anthracene	µg/L	NS	NS	3,000	600	0.32	0.12	NT	0.133	0.151	0.12	0.176		0.086	<0.021	0.087	0.046 J	0.073	0.081	0.091	0.074	0.177	0.087
Benzo(a)anthracene	µg/L	NS	NS	NS	NS	0.082	0.055 J	NT	0.034 J	0.055 J	< 0.02	0.037 J		0.0308 J	<0.01	<0.025	0.0239 J	0.062 J	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Benzo(a)pyrene	µg/L	NS	NS	0.2	0.02	*0.166*	*0.091*	NT	*0.052 J*	*0.095*	< 0.0167	*0.05 J*		0.0178 J	<0.01	<0.018	< 0.0167	*0.044 J*	< 0.0167	< 0.0167	< 0.0167	< 0.0167	< 0.0167
Benzo(b)fluoranthene	µg/L	NS	NS	0.2	0.02	**0.217**	*0.10*	NT	*0.056*	*0.108*	< 0.016	*0.074*		*0.0249 J*	<0.0083	<0.02	0.0187 J	*0.06*	< 0.016	< 0.016	< 0.016	< 0.016	< 0.016
Benzo(ghi)perylene	µg/L	NS	NS	NS	NS	0.288	0.152	NT	0.077	0.148	< 0.0142	0.075		0.017 J	<0.062	<0.023	< 0.0142	0.049	< 0.0142	< 0.0142	< 0.0142	< 0.0142	< 0.0142
Benzo(k)fluoranthene	µg/L	NS	NS	NS	NS	0.06	0.027 J	NT	0.0146 J	0.036 J	< 0.0146	0.0216 J		0.0168 J	<0.0083	<0.027	< 0.0146	0.054	< 0.0146	< 0.0146	< 0.0146	< 0.0146	< 0.0146
Chrysene	µg/L	NS	NS	0.2	0.02	*0.074*	*0.041 J*	NT	*0.029 J*	*0.036 J*	< 0.0157	*0.032 J*		*0.0218 J*	<0.062	<0.018	< 0.0157	*0.061*	< 0.0157	< 0.0157	< 0.0157	< 0.0157	< 0.0157
Dibenzo(a,h)anthracene	µg/L	NS	NS	NS	NS	0.057	0.0225 J	NT	< 0.0173	0.0316 J	< 0.0173	0.0181 J		< 0.0173	<0.021	<0.023	< 0.0173	0.042 J	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173
Fluoranthene	µg/L	NS	NS	400	80	0.218	0.101	NT	0.079	0.107	0.044	0.146		0.073	0.051 J	0.096	0.0176 J	0.047	0.0099 J	0.0144 J	0.0224 J	0.0136 J	0.0176 J
Fluorene	µg/L	NS	NS	400	80	< 0.0079	< 0.0079	NT	< 0.0079	< 0.0079	< 0.0079	0.0094 J		< 0.0079	<0.1	<0.02	< 0.0079	0.0154 J	< 0.0079	< 0.0079	< 0.0079	< 0.0079	< 0.0079
Indeno(1,2,3-cd)pyrene	µg/L	NS	NS	NS	NS	0.164	0.098	NT	0.049	0.104	< 0.0121	0.04		0.0153 J	<0.041	<0.027	< 0.0121	0.046	< 0.0121	< 0.0121	< 0.0121	< 0.0121	< 0.0121
Naphthalene	µg/L	NS	NS	100	10	0.222	< 0.03	NT	0.036 J	< 0.03	< 0.03	0.042 J		< 0.03	<1	<0.023	< 0.026	0.045 J	0.032 J	< 0.03	< 0.03	0.074 J	< 0.03
Phenanthrene	µg/L	NS	NS	NS	NS	0.0223 J	0.018 J	NT	0.0149 J	0.0179 J	< 0.0143	0.0259 J		0.0167 J	<0.041	0.027 J	< 0.0143	0.0249 J	< 0.0143	< 0.0143	< 0.0143	< 0.0143	< 0.0143
Pyrene	µg/L	NS	NS	250	50	0.229	0.117	NT	0.086	0.12	0.04	0.143		0.071	<0.1	0.103	0.0242 J	0.057	0.0163 J	0.0221 J	0.0257 J	0.0171 J	0.0218 J

ice obstruction - not sampled

Notes:
1. EPA ROD ES = Enforcement Standard within the EPA's 1990 Record of Decision for Moss America
2. EPA ROD PAL = Preventive Action Limit within the EPA's 1990 Record of Decision for Moss America
3. NR 140 ES = Wisconsin Administrative Code, Chapter NR 140 Enforcement Standard
4. NR 140 PAL = Wisconsin Administrative Code, Chapter NR 140 Preventive Action Limit
5. NS = no standard
6. µg/L = micrograms per liter (equivalent to parts per billion, ppb)
7. Laboratory flags: "J" = Analyte detected between Limit of Detection and Limit of Quantitation
8. NT = not tested
9. Exceedances:
   BOLD = Concentration exceeds NR 140 ES
   ITALICS = Concentration exceeds NR 140 PAL
   BOLD = Concentration exceeds EPA ROD ES
   ITALICS = Concentration exceeds EPA ROD PAL

Trip blank 12/31/19, 1/10/20 BTEX less than LOD
Trip blank 4/3/20, 4/8/20 BTEX less than LOD
Trip blank 7/10/2020, 7/14/2020 BTEX less than LOD
Equip blank 7/10/2020 BTEX less than LOD
Trip blank 10/9/2020 BTEX less than LOD
Equip blank 10/9/2020 BTEX less than LOD
Trip blank 1/8/2021 BTEX less than LOD
Equip blank 1/6/2021, 1/7/2021, 1/8/2021 less than LOD
Trip blank 4/2/21 BTEX less than LOD
Equip blank 3/30, 3/31, 4/1, 4/2/21 BTEX less than LOD

Table 4
Groundwater Analytical Results
Former Moss American Facility
Sigma Project No. 18687

Well Location:		EPA ROD ES	EPA ROD PAL	NR 140 ES	NR 140 PAL	TG6-1									TG6-2									
Date:						9/29/10	4/3/13	10/3/19	12/31/19	4/7/20	7/10/20	10/7/20	1/7/21	3/31/21	10/3/19	1/10/20	4/7/20	7/10/20	10/7/20	DUP #3 10/7/20	1/7/21	DUP #4 1/7/21	3/31/21	DUP #1 3/31/21
BTEX																								
Benzene	µg/L	0.67	0.067	5	0.5	<0.2	<0.27	< 0.22	< 0.22	< 0.33	< 0.33	< 0.33	< 0.33	< 0.38	< 0.22	< 0.22	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.38	< 0.38
Ethylbenzene	µg/L	1360.0	272.0	700	140	<0.2	<0.82	< 0.26	< 0.26	< 0.32	< 0.32	< 0.32	< 0.32	< 0.37	< 0.26	< 0.26	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.37	< 0.37
Xylenes, Total	µg/L	620.0	124.0	10,000	1,000	<0.6	<2.41	< 0.72	< 0.72	< 1.48	< 1.48	< 1.48	< 1.48	< 1.21	< 0.72	< 0.72	< 1.48	< 1.48	< 1.48	< 1.48	< 1.48	< 1.48	< 1.21	< 1.21
Toluene	µg/L	343.0	68.6	1,000	200	<0.2	<0.8	< 0.19	< 0.19	< 0.26	< 0.26	< 0.26	< 0.26	< 0.42	< 0.19	< 0.19	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.42	< 0.42
PAHS																								
Acenaphthene	µg/L	NS	NS	NS	NS	0.63 J	0.232	0.277	0.35	0.251	0.51	0.52	0.33	0.208	0.0108 J	0.0191 J	0.0219 J	< 0.0094	0.0172 J	0.0222 J	< 0.0094	0.0096 J	< 0.0094	0.0142 J
Acenaphthylene	µg/L	NS	NS	NS	NS	<1.1	<0.02	< 0.0156	< 0.0156	< 0.0156	< 0.0156	< 0.0156	< 0.0156	< 0.0156	< 0.0156	< 0.0156	< 0.0156	< 0.0156	< 0.0156	< 0.0156	< 0.0156	< 0.0156	< 0.0156	< 0.0156
Anthracene	µg/L	NS	NS	3,000	600	0.023 J	0.031 J	0.0204 J	0.032 J	0.0239 J	0.04 J	0.034 J	0.051	0.0242 J	0.041 J	0.0236 J	0.033 J	0.054	0.051	0.062	0.068	0.06	0.05	0.055
Benzo(a)anthracene	µg/L	NS	NS	NS	NS	<0.011	<0.025	0.0261 J	0.054 J	0.0305 J	0.035 J	< 0.02	< 0.02	< 0.02	0.044	0.0265 J	0.0247 J	0.0277 J	0.0258 J	0.0201 J	< 0.02	< 0.02	< 0.02	< 0.02
Benzo(a)pyrene	µg/L	NS	NS	0.2	0.02	<0.011	<0.018	< 0.0167	*0.042 J*	< 0.0167	*0.033 J*	< 0.0167	< 0.0167	< 0.0167	< 0.0167	< 0.0167	< 0.0167	*0.032 J*	< 0.0167	< 0.0167	< 0.0167	< 0.0167	< 0.0167	< 0.0167
Benzo(b)fluoranthene	µg/L	NS	NS	0.2	0.02	<0.0091	<0.02	0.0192 J	*0.048 J*	0.0176 J	*0.043 J*	< 0.016	< 0.016	< 0.016	*0.037 J*	< 0.016	< 0.016	*0.037 J*	< 0.016	< 0.016	< 0.016	< 0.016	< 0.016	< 0.016
Benzo(ghi)perylene	µg/L	NS	NS	NS	NS	<0.068	<0.023	0.0195 J	0.043 J	< 0.0142	0.0158 J	< 0.0142	< 0.0142	< 0.0142	< 0.0142	< 0.0142	< 0.0142	0.0185 J	< 0.0142	< 0.0142	< 0.0142	< 0.0142	< 0.0142	< 0.0142
Benzo(k)fluoranthene	µg/L	NS	NS	NS	NS	<0.0091	<0.07	0.0157 J	0.048	< 0.0146	0.039 J	< 0.0146	< 0.0146	< 0.0146	< 0.0146	< 0.0146	< 0.0146	0.038 J	< 0.0146	< 0.0146	< 0.0146	< 0.0146	< 0.0146	< 0.0146
Chrysene	µg/L	NS	NS	0.2	0.02	<0.068	<0.018	0.018 J	*0.051*	0.0181 J	*0.048 J*	< 0.0157	< 0.0157	< 0.0157	*0.0301 J*	< 0.0157	< 0.0157	*0.033 J*	0.019 J	< 0.0157	< 0.0157	< 0.0157	< 0.0157	< 0.0157
Dibenzo(a,h)anthracene	µg/L	NS	NS	NS	NS	<0.023	<0.023	< 0.0173	0.04 J	< 0.0173	0.0208 J	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	0.0192 J	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173
Fluoranthene	µg/L	NS	NS	400	80	0.047 J	0.069 J	0.0286	0.042	0.0227 J	0.0155 J	0.0194 J	0.0201 J	0.0136 J	0.18	0.067	0.071	0.079	0.088	0.062	0.043	0.034	0.044	0.048
Fluorene	µg/L	NS	NS	400	80	0.22 J	0.048 J	0.0278	0.0307	0.017 J	0.021 J	0.033	0.016 J	0.0111 J	< 0.0079	0.0181 J	0.0149 J	< 0.0079	0.0098 J	0.0155 J	0.0079 J	< 0.0079	0.0117 J	0.0104 J
Indeno(1,2,3-cd)pyrene	µg/L	NS	NS	NS	NS	<0.045	<0.027	0.0145 J	0.039	0.0125 J	0.0182 J	< 0.0121	< 0.0121	< 0.0121	< 0.0121	< 0.0121	< 0.0121	0.0217 J	< 0.0121	< 0.0121	< 0.0121	< 0.0121	< 0.0121	< 0.0121
Naphthalene	µg/L	NS	NS	100	10	<1.1	<0.023	< 0.026	0.042 J	0.038 J	< 0.03	< 0.03	< 0.03	< 0.03	< 0.026	0.049 J	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Phenanthrene	µg/L	NS	NS	NS	NS	<0.045	0.025 J	< 0.0143	0.0204 J	0.0146 J	< 0.0143	< 0.0143	< 0.0143	< 0.0143	< 0.0143	0.0161 J	< 0.0143	< 0.0143	0.0299 J	< 0.0143	< 0.0143	< 0.0143	< 0.0143	0.0183 J
Pyrene	µg/L	NS	NS	250	50	<0.11	0.055 J	0.0222 J	0.039	0.0201 J	< 0.0121	0.0155 J	0.0185 J	< 0.0121	0.148	0.07	0.066	0.071	0.088	0.069	0.056	0.047	0.051	0.053

Notes:
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4. NR 140 PAL = Wisconsin Administrative Code, Chapter NR 140 Preventive Action Limit
5. NS = no standard
6. µg/L = micrograms per liter (equivalent to parts per billion, ppb)
7. Laboratory flags: "J" = Analyte detected between Limit of Detection and Limit of Quantitation
8. NT = not tested
9. Exceedances:
   BOLD = Concentration exceeds NR 140 ES
   ITALICS = Concentration exceeds NR 140 PAL
   BOLD = Concentration exceeds EPA ROD ES
   ITALICS = Concentration exceeds EPA ROD PAL

Trip blank 12/31/19, 1/10/20 BTEX less than LOD
Trip blank 4/3/20, 4/8/20 BTEX less than LOD
Trip blank 7/10/2020, 7/14/2020 BTEX less than LOD
Equip blank 7/10/2020 BTEX less than LOD
Trip blank 10/9/2020 BTEX less than LOD
Equip blank 10/9/2020 BTEX less than LOD
Trip blank 1/8/2021 BTEX less than LOD
Equip blank 1/6/2021, 1/7/2021, 1/8/2021 less than LOD
Trip blank 4/2/21 BTEX less than LOD
Equip blank 3/30, 3/31, 4/1, 4/2/21 BTEX less than LOD

Table 4
Groundwater Analytical Results
Former Moss American Facility
Sigma Project No. 18687

Well Location:		EPA ROD ES	EPA ROD PAL	NR 140 ES	NR 140 PAL	TG6-3									PZ-01						
Date:						9/29/10	4/3/13	10/3/19	12/31/19	4/7/20	7/10/20	10/7/20	1/7/21	3/31/21	10/3/19	1/7/20	4/7/20	7/10/20	10/9/20	1/8/21	3/31/21
BTEX																					
Benzene	µg/L	0.67	0.067	5	0.5	<0.2	<0.27	< 0.22	< 0.22	< 0.33	< 0.33	< 0.33	< 0.33	< 0.38	< 0.22	< 0.22	< 0.33	< 0.33	< 0.33	< 0.33	< 0.38
Ethylbenzene	µg/L	1360.0	272.0	700	140	<0.2	<0.82	< 0.26	< 0.26	< 0.32	< 0.32	< 0.32	< 0.32	< 0.37	< 0.26	< 0.26	< 0.32	< 0.32	< 0.32	< 0.32	< 0.37
Xylenes, Total	µg/L	620.0	124.0	10,000	1,000	<0.6	<2.41	< 0.72	< 0.72	< 1.48	< 1.48	< 1.48	< 1.48	< 1.21	< 0.72	< 0.72	< 1.48	< 1.48	< 1.48	< 1.48	< 1.21
Toluene	µg/L	343.0	68.6	1,000	200	<0.2	<0.8	< 0.19	< 0.19	< 0.26	< 0.26	< 0.26	< 0.26	< 0.42	< 0.19	< 0.19	< 0.26	< 0.26	< 0.26	< 0.26	< 0.42
PAHS																					
Acenaphthene	µg/L	NS	NS	NS	NS	<0.52	<0.021	< 0.0094	0.0098 J	< 0.0094	< 0.0094	< 0.0094	< 0.0094	< 0.0094	< 0.0094	< 0.0094	< 0.0094	< 0.0094	< 0.0094	< 0.0094	< 0.0094
Acenaphthylene	µg/L	NS	NS	NS	NS	<1	<0.02	< 0.0156	< 0.0156	< 0.0156	< 0.0156	< 0.0156	< 0.0156	< 0.0156	< 0.0156	< 0.0156	< 0.0156	< 0.0156	< 0.0156	< 0.0156	< 0.0156
Anthracene	µg/L	NS	NS	3,000	600	<0.021	0.042 J	0.019 J	0.0258 J	0.04 J	0.0211 J	0.048 J	0.062	0.043 J	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
Benzo(a)anthracene	µg/L	NS	NS	NS	NS	<0.01	<0.025	0.0145 J	0.0238 J	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	0.0181 J	< 0.02	0.0256 J	< 0.02	< 0.02	< 0.02	< 0.02
Benzo(a)pyrene	µg/L	NS	NS	0.2	0.02	<0.01	<0.018	< 0.0167	< 0.0167	< 0.0167	< 0.0167	< 0.0167	< 0.0167	< 0.0167	< 0.0167	< 0.0167	< 0.0167	< 0.0167	< 0.0167	< 0.0167	< 0.0167
Benzo(b)fluoranthene	µg/L	NS	NS	0.2	0.02	<0.0084	<0.02	< 0.016	0.0163 J	< 0.016	< 0.016	< 0.016	< 0.016	< 0.016	< 0.016	< 0.016	0.0179 J	< 0.016	< 0.016	< 0.016	< 0.016
Benzo(ghi)perylene	µg/L	NS	NS	NS	NS	<0.063	<0.023	< 0.0142	< 0.0142	< 0.0142	< 0.0142	< 0.0142	< 0.0142	< 0.0142	< 0.0142	< 0.0142	0.019 J	< 0.0142	< 0.0142	< 0.0142	< 0.0142
Benzo(k)fluoranthene	µg/L	NS	NS	NS	NS	<0.0084	<0.027	< 0.0146	< 0.0146	< 0.0146	< 0.0146	< 0.0146	< 0.0146	< 0.0146	< 0.0146	< 0.0146	0.0151 J	< 0.0146	< 0.0146	< 0.0146	< 0.0146
Chrysene	µg/L	NS	NS	0.2	0.02	<0.063	<0.018	< 0.0157	0.0163 J	< 0.0157	< 0.0157	< 0.0157	< 0.0157	< 0.0157	< 0.0157	< 0.0157	< 0.0157	< 0.0157	< 0.0157	< 0.0157	< 0.0157
Dibenzo(a,h)anthracene	µg/L	NS	NS	NS	NS	<0.021	<0.023	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173
Fluoranthene	µg/L	NS	NS	400	80	0.083 J	0.069 J	0.036	0.043	0.0172 J	0.0117 J	0.053	0.0151 J	0.035	0.0133 J	< 0.0088	< 0.0088	< 0.0088	0.0104 J	< 0.0088	0.0094 J
Fluorene	µg/L	NS	NS	400	80	<0.1	<0.02	< 0.0079	0.0106 J	< 0.0079	< 0.0079	< 0.0079	< 0.0079	< 0.0079	< 0.0079	< 0.0079	< 0.0079	< 0.0079	< 0.0079	< 0.0079	0.0088 J
Indeno(1,2,3-cd)pyrene	µg/L	NS	NS	NS	NS	<0.042	<0.027	< 0.0121	0.0124 J	< 0.0121	< 0.0121	< 0.0121	< 0.0121	< 0.0121	< 0.0121	< 0.0121	0.0162 J	< 0.0121	< 0.0121	< 0.0121	< 0.0121
Naphthalene	µg/L	NS	NS	100	10	<1	<0.023	< 0.026	0.041 J	0.04 J	< 0.03	< 0.03	< 0.03	< 0.03	< 0.026	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Phenanthrene	µg/L	NS	NS	NS	NS	<0.042	0.021 J	< 0.0143	0.0187 J	< 0.0143	< 0.0143	< 0.0143	< 0.0143	0.0179 J	< 0.0143	< 0.0143	< 0.0143	< 0.0143	0.0144 J	< 0.0143	< 0.0143
Pyrene	µg/L	NS	NS	250	50	<0.1	0.052 J	0.026 J	0.036 J	0.0149 J	0.0144 J	0.042	0.0175 J	0.035 J	0.0134 J	< 0.0121	< 0.0121	< 0.0121	< 0.0121	< 0.0121	< 0.0121

Notes:
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   ITALICS = Concentration exceeds NR 140 PAL
   BOLD = Concentration exceeds EPA ROD ES
   ITALICS = Concentration exceeds EPA ROD PAL

Trip blank 12/31/19, 1/10/20 BTEX less than LOD
Trip blank 4/3/20, 4/8/20 BTEX less than LOD
Trip blank 7/10/2020, 7/14/2020 BTEX less than LOD
Equip blank 7/10/2020 BTEX less than LOD
Trip blank 10/9/2020 BTEX less than LOD
Equip blank 10/9/2020 BTEX less than LOD
Trip blank 1/8/2021 BTEX less than LOD
Equip blank 1/6/2021, 1/7/2021, 1/8/2021 less than LOD
Trip blank 4/2/21 BTEX less than LOD
Equip blank 3/30, 3/31, 4/1, 4/2/21 BTEX less than LOD

Table 4
Groundwater Analytical Results
Former Moss American Facility
Sigma Project No. 18687

Well Location:		EPA ROD ES	EPA ROD PAL	NR 140 ES	NR 140 PAL	PZ-02										
Date:						4/4/13	10/4/19	1/7/20	DUP #1 1/7/20	3/31/20	7/8/20	10/9/20	resample (Synergy) 10/29/20	resample (Pace) 10/29/20	1/8/21	4/2/21
BTEX																
Benzene	µg/L	0.67	0.067	5	0.5	<0.27	< 0.22	< 0.22	< 0.22	< 0.33	< 0.33	< 0.33	NT	NT	< 0.33	< 0.38
Ethylbenzene	µg/L	1360.0	272.0	700	140	<0.82	< 0.26	< 0.26	< 0.26	< 0.32	< 0.32	< 0.32	NT	NT	< 0.32	< 0.37
Xylenes, Total	µg/L	620.0	124.0	10,000	1,000	<2.41	1.13 J	0.78 J	0.85 J	< 1.48	< 1.48	< 1.48	NT	NT	< 1.48	< 1.21
Toluene	µg/L	343.0	68.6	1,000	200	<0.8	< 0.19	< 0.19	< 0.19	< 0.26	< 0.26	< 0.26	NT	NT	< 0.26	< 0.42
PAHS																
Acenaphthene	µg/L	NS	NS	NS	NS	79	108	157	NT	155	39.0	169	142	110	167	132
Acenaphthylene	µg/L	NS	NS	NS	NS	1.01 J	1.00	2.14	NT	1.57 J	0.71	6.1	1.56 J	0.97	2 J	1.36
Anthracene	µg/L	NS	NS	3,000	600	<0.4	< 0.3	< 0.30	NT	< 0.75	< 0.15	1.2	< 0.75	0.26 J	< 0.75	< 0.3
Benzo(a)anthracene	µg/L	NS	NS	NS	NS	<0.5	< 0.262	< 0.40	NT	< 1	< 0.2	0.89	< 1.00	< 0.076	< 1	< 0.4
Benzo(a)pyrene	µg/L	NS	NS	0.2	0.02	<0.36	< 0.334	< 0.334	NT	< 0.835	< 0.167	**0.37 J**	< 0.835	< 0.11	< 0.835	< 0.334
Benzo(b)fluoranthene	µg/L	NS	NS	0.2	0.02	<0.4	< 0.32	< 0.32	NT	< 0.8	< 0.16	**0.69 J**	< 0.80	< 0.057	< 0.8	< 0.32
Benzo(ghi)perylene	µg/L	NS	NS	NS	NS	<0.46	< 0.284	< 0.284	NT	< 0.71	< 0.142	< 0.284	< 0.71	< 0.068	< 0.71	< 0.284
Benzo(k)fluoranthene	µg/L	NS	NS	NS	NS	<0.54	< 0.292	< 0.292	NT	< 0.73	< 0.146	< 0.292	< 0.73	< 0.076	< 0.73	< 0.292
Chrysene	µg/L	NS	NS	0.2	0.02	<0.36	< 0.314	< 0.314	NT	< 0.785	< 0.157	**0.63 J**	< 0.785	< 0.13	< 0.785	< 0.314
Dibenzo(a,h)anthracene	µg/L	NS	NS	NS	NS	<0.46	< 0.346	< 0.346	NT	< 0.865	< 0.173	< 0.346	< 0.865	< 0.10	< 0.865	< 0.346
Fluoranthene	µg/L	NS	NS	400	80	<0.52	< 0.176	< 0.176	NT	< 0.44	< 0.088	1.62	< 0.44	< 0.11	< 0.44	< 0.176
Fluorene	µg/L	NS	NS	400	80	3.6	29.8	43.0	NT	51	14.8	48	50.0	38.5	59	48
Indeno(1,2,3-cd)pyrene	µg/L	NS	NS	NS	NS	<0.54	< 0.242	< 0.242	NT	< 0.605	< 0.121	< 0.242	< 0.605	< 0.18	< 0.605	< 0.242
Naphthalene	µg/L	NS	NS	100	10	1.79	*19.4*	*30.1*	NT	*25.2*	0.84 J	*20.5*	*28.8*	*18.2*	*19.2*	9.7
Phenanthrene	µg/L	NS	NS	NS	NS	<0.36	< 0.286	< 0.286	NT	< 0.715	< 0.143	6	< 0.715	< 0.14	< 0.715	< 0.286
Pyrene	µg/L	NS	NS	250	50	<0.5	< 0.242	< 0.242	NT	< 0.605	< 0.121	2.23	< 0.605	< 0.076	< 0.605	< 0.242

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   ITALICS = Concentration exceeds NR 140 PAL
   BOLD = Concentration exceeds EPA ROD ES
   ITALICS = Concentration exceeds EPA ROD PAL

Trip blank 12/31/19, 1/10/20 BTEX less than LOD
Trip blank 4/3/20, 4/8/20 BTEX less than LOD
Trip blank 7/10/2020, 7/14/2020 BTEX less than LOD
Equip blank 7/10/2020 BTEX less than LOD
Trip blank 10/9/2020 BTEX less than LOD
Equip blank 10/9/2020 BTEX less than LOD
Trip blank 1/8/2021 BTEX less than LOD
Equip blank 1/6/2021, 1/7/2021, 1/8/2021 less than LOD
Trip blank 4/2/21 BTEX less than LOD
Equip blank 3/30, 3/31, 4/1, 4/2/21 BTEX less than LOD

Table 4
Groundwater Analytical Results
Former Moss American Facility
Sigma Project No. 18687

Well Location:		EPA ROD ES	EPA ROD PAL	NR 140 ES	NR 140 PAL	PZ-03														PZ-04						
Date:						4/4/13	10/9/19	1/8/20	DUP #2 1/8/20	3/31/20	DUP #2 3/31/20	7/14/20	DUP #4 7/14/20	10/9/20	DUP #4 10/9/20	resample (Synergy) 10/29/20	resample (Pace) 10/29/20	1/8/21	4/2/21	10/2/19	1/3/20	4/7/20	7/14/20	10/8/20	1/8/21	3/31/21
BTEX																										
Benzene	µg/L	0.67	0.067	5	0.5	*0.44 J*	**2.02**	**1.45**	**1.38**	**2.31**	**2.27**	**1.33**	**1.14**	**1.27**	**1.11**	NT	NT	< 0.33	< 0.38	< 0.22	< 0.22	< 0.33	< 0.33	< 0.33	< 0.33	< 0.38
Ethylbenzene	µg/L	1360.0	272.0	700	140	2.68	10.7	54	53	61	60	42	37	1.53	1.39	NT	NT	0.8 J	0.75 J	< 0.26	< 0.26	< 0.32	< 0.32	< 0.32	< 0.32	< 0.37
Xylenes, Total	µg/L	620.0	124.0	10,000	1,000	1.92 J	34.1	68.9	68.3	86	84.5	56.5	48.9	20.4	19.7	NT	NT	4.15	2.01 J	< 0.72	< 0.72	< 1.48	< 1.48	< 1.48	< 1.48	< 1.21
Toluene	µg/L	343.0	68.6	1,000	200	<0.8	1.01	1.36	1.37	2.09	2.21	1.2	1.27	0.47 J	0.61 J	NT	NT	< 0.26	< 0.42	< 0.19	< 0.19	< 0.26	< 0.26	< 0.26	< 0.26	< 0.42
PAHS																										
Acenaphthene	µg/L	NS	NS	NS	NS	116	154	350	NT	316	350	291	320	131	171	191	149	870	56	< 0.0094	0.0132 J	< 0.0094	< 0.0094	< 0.0094	0.07	< 0.0094
Acenaphthylene	µg/L	NS	NS	NS	NS	0.99 J	< 4.68	< 9.36	NT	< 31.2	< 31.2	< 15.6	< 7.8	5.7	7.1	< 7.80	1.2 J	0.81 J	0.61	< 0.0156	< 0.0156	< 0.0156	< 0.0156	< 0.0156	< 0.0156	< 0.0156
Anthracene	µg/L	NS	NS	3,000	600	2.37	< 4.5	< 9.00	NT	< 30	< 30	< 15	< 7.5	0.64 J	< 0.75	< 7.50	< 2.1	1.27 J	0.49	0.0187 J	0.032 J	0.0181 J	0.0165 J	0.0166 J	0.0299 J	0.0167 J
Benzo(a)anthracene	µg/L	NS	NS	NS	NS	2.03	< 3.93	< 12.0	NT	< 40	< 40	< 20	< 10	1.28 J	< 1	< 10.0	< 1.5	< 1	< 0.2	0.0166 J	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Benzo(a)pyrene	µg/L	NS	NS	0.2	0.02	**0.71 J**	< 5.01	< 10.02	NT	< 33.4	< 33.4	< 16.7	< 8.35	**0.38 J**	< 0.835	< 8.35	< 2.1	< 0.835	< 0.167	< 0.0167	< 0.0167	< 0.0167	< 0.0167	< 0.0167	< 0.0167	< 0.0167
Benzo(b)fluoranthene	µg/L	NS	NS	0.2	0.02	**1.45**	< 4.8	< 9.6	NT	< 32	< 32	< 16	< 8	**1.22**	< 0.8	< 8.00	< 1.1	< 0.8	< 0.16	< 0.016	< 0.016	< 0.016	< 0.016	< 0.016	< 0.016	< 0.016
Benzo(ghi)perylene	µg/L	NS	NS	NS	NS	<0.46	< 4.26	< 8.52	NT	< 28.4	< 28.4	< 14.2	< 7.1	0.49 J	< 0.71	< 7.10	< 1.4	< 0.71	< 0.142	< 0.0142	< 0.0142	< 0.0142	< 0.0142	< 0.0142	< 0.0142	< 0.0142
Benzo(k)fluoranthene	µg/L	NS	NS	NS	NS	<0.54	< 4.38	< 8.76	NT	< 29.2	< 29.2	< 14.6	< 7.3	0.7 J	< 0.73	< 7.30	< 1.5	< 0.73	< 0.146	< 0.0146	< 0.0146	< 0.0146	< 0.0146	< 0.0146	< 0.0146	< 0.0146
Chrysene	µg/L	NS	NS	0.2	0.02	**1.47**	< 4.71	< 9.42	NT	< 31.4	< 31.4	< 15.7	< 7.85	**0.85 J**	< 0.785	< 7.85	< 2.6	< 0.785	< 0.157	< 0.0157	< 0.0157	< 0.0157	< 0.0157	< 0.0157	< 0.0157	< 0.0157
Dibenzo(a,h)anthracene	µg/L	NS	NS	NS	NS	<0.46	< 5.19	< 10.38	NT	< 34.6	< 34.6	< 17.3	< 8.65	< 0.346	< 0.865	< 8.65	< 2.0	< 0.865	< 0.173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173
Fluoranthene	µg/L	NS	NS	400	80	10.7	< 2.64	< 5.28	NT	< 17.6	< 17.6	< 8.8	< 4.4	1.64	< 0.44	< 4.40	< 2.1	< 0.44	0.43	0.0138 J	< 0.0088	0.0145 J	0.009 J	< 0.0088	< 0.0088	< 0.0088
Fluorene	µg/L	NS	NS	400	80	33	57.0	*110*	NT	*102*	*115*	*121*	*116*	34	48	62.0	44.9	29.6	18.5	< 0.0079	< 0.0079	< 0.0079	0.0139 J	< 0.0079	0.0164 J	< 0.0079
Indeno(1,2,3-cd)pyrene	µg/L	NS	NS	NS	NS	<0.54	< 3.63	< 7.26	NT	< 24.2	< 24.2	< 12.1	< 6.05	0.48 J	< 0.605	< 6.05	< 3.5	< 0.605	< 0.121	< 0.0121	< 0.0121	< 0.0121	< 0.0121	< 0.0121	< 0.0121	< 0.0121
Naphthalene	µg/L	NS	NS	100	10	*47*	**1620**	**4000**	NT	**3600**	**3800**	**3010**	**3150**	*4.9*	*9.4*	**1680**	**1310**	**360**	*13.3*	< 0.026	0.048 J	< 0.03	0.035 J	0.041 J	0.44	< 0.03
Phenanthrene	µg/L	NS	NS	NS	NS	1.87	11.0 J	37.0	NT	45 J	51 J	43 J	44	3.7	0.9 J	19.3 J	12.8 J	6.6	2.7	0.026 J	< 0.0143	< 0.0143	0.0172 J	< 0.0143	< 0.0143	< 0.0143
Pyrene	µg/L	NS	NS	250	50	7.1	< 3.63	< 7.26	NT	< 24.2	< 24.2	< 12.1	< 6.05	1.9	< 0.605	< 6.05	< 1.5	< 0.605	0.277 J	0.0189 J	< 0.0121	< 0.0121	< 0.0121	< 0.0121	< 0.0121	< 0.0121

Notes:
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5. NS = no standard
6. µg/L = micrograms per liter (equivalent to parts per billion, ppb)
7. Laboratory flags: "J" = Analyte detected between Limit of Detection and Limit of Quantitation
8. NT = not tested
9. Exceedances:
   BOLD = Concentration exceeds NR 140 ES
   ITALICS = Concentration exceeds NR 140 PAL
   BOLD = Concentration exceeds EPA ROD ES
   ITALICS = Concentration exceeds EPA ROD PAL

Trip blank 12/31/19, 1/10/20 BTEX less than LOD
Trip blank 4/3/20, 4/8/20 BTEX less than LOD
Trip blank 7/10/2020, 7/14/2020 BTEX less than LOD
Equip blank 7/10/2020 BTEX less than LOD
Trip blank 10/9/2020 BTEX less than LOD
Equip blank 10/9/2020 BTEX less than LOD
Trip blank 1/8/2021 BTEX less than LOD
Equip blank 1/6/2021, 1/7/2021, 1/8/2021 less than LOD
Trip blank 4/2/21 BTEX less than LOD
Equip blank 3/30, 3/31, 4/1, 4/2/21 BTEX less than LOD

Table 4
Groundwater Analytical Results
Former Moss American Facility
Sigma Project No. 18687

Well Location:		EPA ROD ES	EPA ROD PAL	NR 140 ES	NR 140 PAL	PZ-05							PZ-06						
Date:						10/7/19	1/3/20	4/7/20	7/10/20	10/8/20	1/8/21	3/31/21	10/3/19	1/3/20	4/7/20	7/10/20	10/9/20	1/8/21	3/31/21
BTEX																			
Benzene	µg/L	0.67	0.067	5	0.5	< 0.22	< 0.22	< 0.33	< 0.33	< 0.33	< 0.33	< 0.38	< 0.22	< 0.22	< 0.33	< 0.33	< 0.33	< 0.33	< 0.38
Ethylbenzene	µg/L	1360.0	272.0	700	140	< 0.26	< 0.26	< 0.32	< 0.32	< 0.32	< 0.32	< 0.37	< 0.26	< 0.26	< 0.32	< 0.32	< 0.32	< 0.32	< 0.37
Xylenes, Total	µg/L	620.0	124.0	10,000	1,000	< 0.72	< 0.72	< 1.48	< 1.48	< 1.48	< 1.48	< 1.21	< 0.72	< 0.72	< 1.48	< 1.48	< 1.48	< 1.48	< 1.21
Toluene	µg/L	343.0	68.6	1,000	200	< 0.19	< 0.19	< 0.26	< 0.26	< 0.26	< 0.26	< 0.42	< 0.19	< 0.19	< 0.26	< 0.26	< 0.26	< 0.26	< 0.42
PAHS																			
Acenaphthene	µg/L	NS	NS	NS	NS	0.0115 J	< 0.0094	< 0.0094	< 0.0094	< 0.0094	0.0193 J	< 0.0094	< 0.0094	< 0.0094	< 0.0094	< 0.0094	< 0.0094	0.038	< 0.0094
Acenaphthylene	µg/L	NS	NS	NS	NS	< 0.0156	< 0.0156	< 0.0156	< 0.0156	< 0.0156	< 0.0156	< 0.0156	< 0.0156	< 0.0156	< 0.0156	< 0.0156	< 0.0156	< 0.0156	< 0.0156
Anthracene	µg/L	NS	NS	3,000	600	0.0155 J	< 0.015	< 0.015	0.054	0.0244 J	< 0.015	< 0.015	0.0205 J	0.0266 J	0.0183 J	0.0301 J	0.0221 J	0.0299 J	0.0286 J
Benzo(a)anthracene	µg/L	NS	NS	NS	NS	0.037 J	< 0.02	< 0.02	0.0285 J	< 0.02	< 0.02	< 0.02	0.0149 J	< 0.02	0.0205 J	< 0.02	< 0.02	< 0.02	< 0.02
Benzo(a)pyrene	µg/L	NS	NS	0.2	0.02	0.0177 J	< 0.0167	< 0.0167	< 0.0167	< 0.0167	< 0.0167	< 0.0167	< 0.0167	< 0.0167	< 0.0167	< 0.0167	< 0.0167	< 0.0167	< 0.0167
Benzo(b)fluoranthene	µg/L	NS	NS	0.2	0.02	*0.035 J*	< 0.016	< 0.016	*0.0258 J*	< 0.016	< 0.016	< 0.016	< 0.016	< 0.016	0.016	< 0.016	< 0.016	< 0.016	< 0.016
Benzo(ghi)perylene	µg/L	NS	NS	NS	NS	0.0176 J	< 0.0142	< 0.0142	0.0225 J	< 0.0142	< 0.0142	< 0.0142	< 0.0142	< 0.0142	< 0.0142	< 0.0142	< 0.0142	< 0.0142	< 0.0142
Benzo(k)fluoranthene	µg/L	NS	NS	NS	NS	< 0.0146	< 0.0146	< 0.0146	< 0.0146	< 0.0146	< 0.0146	< 0.0146	< 0.0146	< 0.0146	< 0.0146	< 0.0146	< 0.0146	< 0.0146	< 0.0146
Chrysene	µg/L	NS	NS	0.2	0.02	*0.0262 J*	< 0.0157	< 0.0157	*0.0242 J*	< 0.0157	< 0.0157	< 0.0157	< 0.0157	< 0.0157	< 0.0157	< 0.0157	< 0.0157	< 0.0157	< 0.0157
Dibenzo(a,h)anthracene	µg/L	NS	NS	NS	NS	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173
Fluoranthene	µg/L	NS	NS	400	80	0.031	< 0.0088	< 0.0088	0.114	0.0249 J	< 0.0088	< 0.0088	< 0.0088	0.0095 J	0.0112 J	< 0.0088	0.0098 J	< 0.0088	0.0118 J
Fluorene	µg/L	NS	NS	400	80	< 0.0079	< 0.0079	< 0.0079	< 0.0079	0.0081 J	< 0.0079	< 0.0079	< 0.0079	< 0.0079	< 0.0079	< 0.0079	< 0.0079	0.0295	< 0.0079
Indeno(1,2,3-cd)pyrene	µg/L	NS	NS	NS	NS	< 0.0121	< 0.0121	< 0.0121	0.0126 J	< 0.0121	< 0.0121	< 0.0121	< 0.0121	< 0.0121	0.013 J	< 0.0121	< 0.0121	< 0.0121	< 0.0121
Naphthalene	µg/L	NS	NS	100	10	0.124	0.058 J	< 0.03	< 0.03	0.047 J	0.17	< 0.03	< 0.026	0.062 J	0.087 J	< 0.03	< 0.03	0.043 J	< 0.03
Phenanthrene	µg/L	NS	NS	NS	NS	0.018 J	< 0.0143	< 0.0143	0.0154 J	0.0236 J	< 0.0143	< 0.0143	< 0.0143	0.0188 J	0.0148 J	< 0.0143	< 0.0143	< 0.0143	0.0152 J
Pyrene	µg/L	NS	NS	250	50	0.029 J	< 0.0121	< 0.0121	0.086	0.0174 J	< 0.0121	< 0.0121	< 0.0121	< 0.0121	< 0.0121	< 0.0121	< 0.0121	< 0.0121	< 0.0121

Notes:
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   BOLD = Concentration exceeds EPA ROD ES
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Trip blank 12/31/19, 1/10/20 BTEX less than LOD
Trip blank 4/3/20, 4/8/20 BTEX less than LOD
Trip blank 7/10/2020, 7/14/2020 BTEX less than LOD
Equip blank 7/10/2020 BTEX less than LOD
Trip blank 10/9/2020 BTEX less than LOD
Equip blank 10/9/2020 BTEX less than LOD
Trip blank 1/8/2021 BTEX less than LOD
Equip blank 1/6/2021, 1/7/2021, 1/8/2021 less than LOD
Trip blank 4/2/21 BTEX less than LOD
Equip blank 3/30, 3/31, 4/1, 4/2/21 BTEX less than LOD

Table 4
Groundwater Analytical Results
Former Moss American Facility
Sigma Project No. 18687

Well Location:		EPA ROD ES	EPA ROD PAL	NR 140 ES	NR 140 PAL	PZ-09R										PZ-10							
Date:						10/4/19	DUP #2 10/4/19	1/7/20	DUP #3 1/7/20	4/1/20	7/8/20	DUP #2 7/8/20	10/6/20	1/6/21	4/1/21	4/4/13	10/9/19	1/3/20	4/7/20	7/8/20	10/9/20	1/8/21	4/2/21
BTEX																							
Benzene	µg/L	0.67	0.067	5	0.5	< 0.22	< 0.22	< 0.22	< 0.22	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.38	<0.27	< 0.22	< 0.22	< 0.33	< 0.33	< 0.33	< 0.33	< 0.38
Ethylbenzene	µg/L	1360.0	272.0	700	140	< 0.26	< 0.26	< 0.26	< 0.26	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.37	<0.82	< 0.26	< 0.26	< 0.32	< 0.32	< 0.32	< 0.32	< 0.37
Xylenes, Total	µg/L	620.0	124.0	10,000	1,000	< 0.72	< 0.72	< 0.72	< 0.72	< 1.48	< 1.48	< 1.48	< 1.48	< 1.48	< 1.21	<2.41	< 0.72	< 0.72	< 1.48	< 1.48	< 1.48	< 1.48	< 1.21
Toluene	µg/L	343.0	68.6	1,000	200	< 0.19	< 0.19	< 0.19	< 0.19	< 0.26	0.54 J	0.54 J	0.55 J	0.29 J	< 0.42	<0.8	< 0.19	< 0.19	< 0.26	< 0.26	< 0.26	< 0.26	< 0.42
PAHS																							
Acenaphthene	µg/L	NS	NS	NS	NS	18.8	NT	31.4	NT	15.4	28.9	37	18.5	26.3	23.8	5.2	2.95	4.60	3.3	5.40	4	1.76	3.6
Acenaphthylene	µg/L	NS	NS	NS	NS	0.42	NT	0.77	NT	0.32	0.77	0.75	0.52	0.67	0.52	0.095	0.071	0.063	0.0297 J	0.052	0.042 J	0.023 J	0.0306 J
Anthracene	µg/L	NS	NS	3,000	600	1.86	NT	0.33 J	NT	0.7	0.236 J	0.172 J	0.3 J	0.67	0.74	0.31	0.236	0.175	0.138	0.217	0.158	0.121	0.128
Benzo(a)anthracene	µg/L	NS	NS	NS	NS	1.36	NT	0.76	NT	0.71	0.234 J	0.209 J	0.32 J	0.192 J	0.288 J	0.128	0.075	< 0.02	0.0264 J	< 0.02	0.035 J	< 0.02	< 0.02
Benzo(a)pyrene	µg/L	NS	NS	0.2	0.02	**0.36**	NT	**0.217 J**	NT	*0.184 J*	< 0.167	< 0.167	< 0.167	< 0.0835	< 0.0835	*0.07*	*0.06*	< 0.0167	< 0.0167	< 0.0167	< 0.0167	< 0.0167	< 0.0167
Benzo(b)fluoranthene	µg/L	NS	NS	0.2	0.02	**0.85**	NT	**0.32 J**	NT	**0.275**	< 0.16	< 0.16	*0.192 J*	*0.083 J*	*0.102 J*	*0.169*	*0.151*	< 0.016	0.018 J	< 0.016	*0.027 J*	< 0.016	< 0.016
Benzo(ghi)perylene	µg/L	NS	NS	NS	NS	0.142 J	NT	< 0.142	NT	< 0.071	< 0.142	< 0.142	< 0.142	< 0.071	< 0.071	0.108	0.14	< 0.0142	< 0.0142	< 0.0142	< 0.0142	< 0.0142	< 0.0142
Benzo(k)fluoranthene	µg/L	NS	NS	NS	NS	0.306	NT	0.147 J	NT	0.101 J	< 0.146	< 0.146	< 0.146	< 0.073	< 0.073	0.064 J	0.046 J	< 0.0146	< 0.0146	< 0.0146	< 0.0146	< 0.0146	< 0.0146
Chrysene	µg/L	NS	NS	0.2	0.02	**1.06**	NT	**0.43 J**	NT	**0.43**	*0.165 J*	< 0.157	**0.37 J**	*0.152 J*	**0.213 J**	*0.132*	*0.083*	< 0.0157	< 0.0157	< 0.0157	*0.0247 J*	< 0.0157	< 0.0157
Dibenzo(a,h)anthracene	µg/L	NS	NS	NS	NS	< 0.0865	NT	< 0.173	NT	< 0.0865	< 0.173	< 0.173	< 0.173	< 0.0865	< 0.0865	<0.023	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173
Fluoranthene	µg/L	NS	NS	400	80	7.00	NT	4.50	NT	6.1	3.30	4.6	1.82	4.1	6.9	0.41	0.179	0.05	0.075	0.075	0.101	0.0249 J	0.032
Fluorene	µg/L	NS	NS	400	80	11.1	NT	6.90	NT	6.3	4.60	5.6	0.51	12	12.9	0.92	0.43	1.12	0.87	1.22	0.88	0.33	0.74
Indeno(1,2,3-cd)pyrene	µg/L	NS	NS	NS	NS	0.099 J	NT	< 0.121	NT	< 0.0605	< 0.121	< 0.121	< 0.121	< 0.0605	< 0.0605	0.071 J	0.082	< 0.0121	< 0.0121	< 0.0121	< 0.0121	< 0.0121	< 0.0121
Naphthalene	µg/L	NS	NS	100	10	0.57	NT	1.03	NT	0.94	< 0.3	< 0.3	< 0.3	3.04	2.43	0.32	2.71	0.059 J	0.033 J	0.0302 J	0.039 J	0.094 J	< 0.03
Phenanthrene	µg/L	NS	NS	NS	NS	0.61	NT	0.244 J	NT	0.277	< 0.143	< 0.143	< 0.143	0.147 J	0.237	1.36	0.072	0.125	0.1	0.09	0.068	0.0307 J	0.0263 J
Pyrene	µg/L	NS	NS	250	50	4.80	NT	2.05	NT	3.3	0.98	0.97	0.7	1.51	3.3	0.299	0.154	0.0311 J	0.053	0.04	0.077	0.0193 J	0.0223 J

Notes:
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6. µg/L = micrograms per liter (equivalent to parts per billion, ppb)
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8. NT = not tested
9. Exceedances:
   BOLD = Concentration exceeds NR 140 ES
   ITALICS = Concentration exceeds NR 140 PAL
   BOLD = Concentration exceeds EPA ROD ES
   ITALICS = Concentration exceeds EPA ROD PAL

Trip blank 12/31/19, 1/10/20 BTEX less than LOD
Trip blank 4/3/20, 4/8/20 BTEX less than LOD
Trip blank 7/10/2020, 7/14/2020 BTEX less than LOD
Equip blank 7/10/2020 BTEX less than LOD
Trip blank 10/9/2020 BTEX less than LOD
Equip blank 10/9/2020 BTEX less than LOD
Trip blank 1/8/2021 BTEX less than LOD
Equip blank 1/6/2021, 1/7/2021, 1/8/2021 less than LOD
Trip blank 4/2/21 BTEX less than LOD
Equip blank 3/30, 3/31, 4/1, 4/2/21 BTEX less than LOD

Table 4
Groundwater Analytical Results
Former Moss American Facility
Sigma Project No. 18687

Well Location:		EPA ROD ES	EPA ROD PAL	NR 140 ES	NR 140 PAL	MW-A								MW-B								MW-C				MW-D				MW-E						
Date:						9/30/10	4/4/13	10/9/19	1/3/20	4/3/20	7/14/20	DUP #5 7/14/20		9/27/10	4/5/13	1/10/20	DUP #5 1/10/20	4/8/20	DUP #5 4/8/20	7/15/20		9/27/10	4/5/13	4/8/20		9/27/10	4/5/13	4/2/21		9/30/10	4/5/13	1/10/20	4/8/20	7/15/20		
BTEX																																				
Benzene	µg/L	0.67	0.067	5	0.5	<0.2	<0.27	< 0.22	< 0.22	< 0.33	< 0.33	< 0.33		<0.2	<0.27	< 0.22	< 0.22	< 0.33	< 0.33	< 0.33		<0.2	<0.27	< 0.33		<0.2	<0.27	< 0.38		<0.2	<0.27	< 0.22	< 0.33	< 0.33		
Ethylbenzene	µg/L	1360.0	272.0	700	140	<0.2	<0.82	< 0.26	< 0.26	< 0.32	< 0.32	< 0.32		<0.2	<0.82	< 0.26	< 0.26	< 0.32	< 0.32	< 0.32		<0.2	<0.82	< 0.32		<0.2	<0.82	< 0.37		<0.2	<0.82	< 0.26	< 0.32	< 0.32		
Xylenes, Total	µg/L	620.0	124.0	10,000	1,000	<0.6	<2.41	< 0.72	< 0.72	< 1.48	< 1.48	< 1.48		<0.6	<2.41	< 0.72	< 0.72	< 1.48	< 1.48	< 1.48		<0.6	<2.41	< 1.48		<0.6	<2.41	< 1.21		<0.6	<2.41	< 0.72	< 1.48	< 1.48		
Toluene	µg/L	343.0	68.6	1,000	200	<0.2	<0.8	< 0.19	< 0.19	< 0.26	< 0.26	< 0.26		<0.2	<0.8	< 0.19	< 0.19	< 0.26	< 0.26	< 0.26		<0.2	<0.8	< 0.26		<0.2	<0.8	< 0.42		<0.2	<0.8	< 0.19	< 0.26	< 0.26		
PAHS																																				
Acenaphthene	µg/L	NS	NS	NS	NS	<0.51	<0.021	0.037	< 0.0094	< 0.0094	< 0.0094	0.285		<0.53	<0.021	0.046	NT	< 0.0094	< 0.0094	< 0.0094		<0.54	<0.021	< 0.0094		<0.55	<0.021	< 0.0094		<0.56	<0.021	< 0.0094	< 0.0094	< 0.0094		
Acenaphthylene	µg/L	NS	NS	NS	NS	<1	<0.02	< 0.0156	< 0.0156	< 0.0156	< 0.0156	< 0.0156		<1.1	<0.02	< 0.0156	NT	< 0.0156	< 0.0156	< 0.0156		<1.1	<0.02	< 0.0156		<1.1	<0.02	< 0.0156		<1.1	<0.02	< 0.0156	< 0.0156	< 0.0156		
Anthracene	µg/L	NS	NS	3,000	600	<0.021	0.025 J	0.0231 J	0.0224 J	0.0231 J	0.032 J	0.0208 J		<0.021	<0.02	< 0.015	NT	< 0.015	< 0.015	0.0224 J		<0.022	<0.02	< 0.015		<0.022	<0.02	< 0.015		<0.022	<0.02	< 0.015	< 0.015	< 0.015		
Benzo(a)anthracene	µg/L	NS	NS	NS	NS	<0.01	<0.025	0.0146 J	< 0.02	< 0.02	< 0.02	< 0.02		<0.011	<0.025	< 0.02	NT	0.0217 J	< 0.02	< 0.02		<0.011	<0.025	< 0.02		<0.011	<0.025	< 0.02		<0.011	<0.025	< 0.02	< 0.02	< 0.02		
Benzo(a)pyrene	µg/L	NS	NS	0.2	0.02	<0.01	<0.018	< 0.0167	< 0.0167	< 0.0167	< 0.0167	< 0.0167		<0.011	<0.018	< 0.0167	NT	< 0.0167	< 0.0167	0.0193 J		<0.0111	<0.018	< 0.0167		<0.011	<0.018	< 0.0167		*0.02 J*	*0.038 J*	< 0.0167	< 0.0167	0.0189 J		
Benzo(b)fluoranthene	µg/L	NS	NS	0.2	0.02	<0.0082	<0.02	< 0.016	< 0.016	< 0.016	< 0.016	< 0.016		<0.0086	<0.02	< 0.016	NT	0.0171 J	< 0.016	*0.0213 J*		<0.0087	*0.039 J*	< 0.016		<0.0088	<0.02	< 0.016		<0.009	*0.063*	< 0.016	*0.0291 J*	0.0192 J		
Benzo(ghi)perylene	µg/L	NS	NS	NS	NS	<0.062	<0.023	< 0.0142	< 0.0142	< 0.0142	< 0.0142	< 0.0142		<0.064	<0.023	< 0.0142	NT	0.0185 J	< 0.0142	< 0.0142		<0.065	0.026 J	0.0168 J		<0.066	0.038 J	< 0.0142		0.12 J	0.44	< 0.0142	0.208	< 0.0142		
Benzo(k)fluoranthene	µg/L	NS	NS	NS	NS	<0.0082	<0.027	< 0.0146	< 0.0146	< 0.0146	< 0.0146	0.0177 J		<0.0086	<0.027	< 0.0146	NT	< 0.0146	< 0.0146	0.0191 J		<0.0087	<0.027	< 0.0146		<0.0088	<0.027	< 0.0146		<0.009	<0.027	< 0.0146	< 0.0146	0.0207 J		
Chrysene	µg/L	NS	NS	0.2	0.02	<0.062	<0.018	< 0.0157	< 0.0157	< 0.0157	< 0.0157	< 0.0157		<0.064	<0.018	< 0.0157	NT	< 0.0157	< 0.0157	*0.02 J*		<0.065	*0.028 J*	< 0.0157		<0.066	*0.02 J*	< 0.0157		<0.067	<0.018	< 0.0157	< 0.0157	< 0.0157		
Dibenzo(a,h)anthracene	µg/L	NS	NS	NS	NS	<0.021	<0.023	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173		<0.021	<0.023	< 0.0173	NT	< 0.0173	< 0.0173	< 0.0173		<0.022	<0.023	< 0.0173		<0.022	<0.023	< 0.0173		<0.022	<0.023	< 0.0173	0.0228 J	< 0.0173		
Fluoranthene	µg/L	NS	NS	400	80	<0.021	<0.026	< 0.0088	< 0.0088	< 0.0088	< 0.0088	< 0.0088		<0.021	<0.026	< 0.0088	NT	0.0101 J	< 0.0088	0.010 J		<0.022	0.052 J	0.0134 J		<0.022	<0.026	< 0.0088		<0.022	<0.026	< 0.0088	0.0159 J	< 0.0088		
Fluorene	µg/L	NS	NS	400	80	<0.1	<0.02	0.0125 J	< 0.0079	< 0.0079	0.0127 J	0.108		<0.11	<0.02	0.0245 J	NT	< 0.0079	< 0.0079	0.0081 J		<0.11	<0.02	< 0.0079		<0.11	<0.02	< 0.0079		<0.11	<0.02	< 0.0079	< 0.0079	< 0.0079		
Indeno(1,2,3-cd)pyrene	µg/L	NS	NS	NS	NS	<0.041	<0.027	< 0.0121	< 0.0121	< 0.0121	< 0.0121	< 0.0121		<0.043	<0.027	< 0.0121	NT	0.0147 J	< 0.0121	< 0.0121		<0.043	<0.027	0.0128 J		<0.044	<0.027	< 0.0121		<0.045	0.094	< 0.0121	0.043	< 0.0121		
Naphthalene	µg/L	NS	NS	100	10	<1	<0.023	0.74	0.046 J	0.045 J	0.068 J	4.7		<1.1	0.034 J	0.40	NT	< 0.03	< 0.03	0.052 J		<1.1	<0.023	< 0.03		<1.1	<0.023	< 0.03		<1.1	<0.023	< 0.03	< 0.03	0.046 J		
Phenanthrene	µg/L	NS	NS	NS	NS	<0.041	0.026 J	< 0.0143	< 0.0143	< 0.0143	0.032 J	0.04 J		<0.043	0.037 J	0.0218 J	NT	< 0.0143	< 0.0143	0.0238 J		<0.043	0.044 J	< 0.0143		<0.044	<0.018	< 0.0143		<0.045	0.018 J	< 0.0143	0.0145 J	0.0146 J		
Pyrene	µg/L	NS	NS	250	50	<0.1	0.025	< 0.0121	< 0.0121	< 0.0121	< 0.0121	< 0.0121		<0.11	0.025	< 0.0121	NT	< 0.0121	< 0.0121	< 0.0121		<0.11	0.046 J	< 0.0121		<0.11	<0.025	< 0.0121		<0.11	0.034 J	< 0.0121	0.0245 J	< 0.0121		

abandoned October 2020

Notes:
1. EPA ROD ES = Enforcement Standard within the EPA's 1990 Record of Decision for Moss America
2. EPA ROD PAL = Preventive Action Limit within the EPA's 1990 Record of Decision for Moss America
3. NR 140 ES = Wisconsin Administrative Code, Chapter NR 140 Enforcement Standard
4. NR 140 PAL = Wisconsin Administrative Code, Chapter NR 140 Preventive Action Limit
5. NS = no standard
6. µg/L = micrograms per liter (equivalent to parts per billion, ppb)
7. Laboratory flags: "J" = Analyte detected between Limit of Detection and Limit of Quantitation
8. NT = not tested
9. Exceedances:
   BOLD = Concentration exceeds NR 140 ES
   ITALICS = Concentration exceeds NR 140 PAL
   BOLD = Concentration exceeds EPA ROD ES
   ITALICS = Concentration exceeds EPA ROD PAL

Trip blank 12/31/19, 1/10/20 BTEX less than LOD
Trip blank 4/3/20, 4/8/20 BTEX less than LOD
Trip blank 7/10/2020, 7/14/2020 BTEX less than LOD
Equip blank 7/10/2020 BTEX less than LOD
Trip blank 10/9/2020 BTEX less than LOD
Equip blank 10/9/2020 BTEX less than LOD
Trip blank 1/8/2021 BTEX less than LOD
Equip blank 1/6/2021, 1/7/2021, 1/8/2021 less than LOD
Trip blank 4/2/21 BTEX less than LOD
Equip blank 3/30, 3/31, 4/1, 4/2/21 BTEX less than LOD

Table 4
Groundwater Analytical Results
Former Moss American Facility
Sigma Project No. 18687

Well Location:		EPA ROD ES	EPA ROD PAL	NR 140 ES	NR 140 PAL	MW-F						MW-G			MW-H								MW-I			MW-J						MW-K	
Date:						9/30/10	4/5/13	1/10/20	4/8/20	7/15/20		9/30/10	4/5/13		9/28/10	4/5/13	1/10/20	4/8/20	7/14/20	10/9/20	1/8/21	4/2/21	9/28/10	4/5/13	4/2/21	9/28/10	4/5/13	1/10/20	4/8/20	7/14/20		9/28/10	
BTEX																																
Benzene	µg/L	0.67	0.067	5	0.5	<0.2	<0.27	< 0.22	< 0.33	< 0.33		<0.2	<0.27		<0.2	<0.27	< 0.22	< 0.33	< 0.33	< 0.33	< 0.33	< 0.38	<0.2	<0.27	< 0.38	<0.2	<0.27	< 0.22	< 0.33	< 0.33		<0.2	
Ethylbenzene	µg/L	1360.0	272.0	700	140	<0.2	<0.82	< 0.26	< 0.32	< 0.32		<0.2	<0.82		<0.2	<0.82	< 0.26	< 0.32	< 0.32	< 0.32	< 0.32	< 0.37	<0.2	<0.82	< 0.37	<0.2	<0.82	< 0.26	< 0.32	< 0.32		<0.2	
Xylenes, Total	µg/L	620.0	124.0	10,000	1,000	<0.6	<2.41	< 0.72	< 1.48	< 1.48		<0.6	<2.41		<0.6	<2.41	< 0.72	< 1.48	< 1.48	< 1.48	< 1.48	< 1.21	<0.6	<2.41	< 1.21	<0.6	<2.41	< 0.72	< 1.48	< 1.48		<0.6	
Toluene	µg/L	343.0	68.6	1,000	200	<0.2	<0.8	< 0.19	< 0.26	< 0.26		<0.2	<0.8		<0.2	<0.8	< 0.19	< 0.26	< 0.26	0.61 J	< 0.26	< 0.42	<0.2	<0.8	< 0.42	<0.2	<0.8	< 0.19	< 0.26	< 0.26		<0.2	
PAHS																																
Acenaphthene	µg/L	NS	NS	NS	NS	<0.51	<0.021	< 0.0094	< 0.0094	0.03	abandoned October 2020	<0.51	<0.021	abandoned October 2020	<0.52	<0.021	< 0.0094	< 0.0094	0.0216 J	0.0155 J	< 0.0094	< 0.0094	<0.52	<0.021	< 0.0094	<0.54	<0.021	0.0126 J	< 0.0094	0.0167 J	abandoned October 2020	<0.53	abandoned March 2021
Acenaphthylene	µg/L	NS	NS	NS	NS	<1	<0.02	< 0.0156	< 0.0156	< 0.0156		<1	<0.02		<1	<0.02	< 0.0156	< 0.0156	< 0.0156	< 0.0156	< 0.0156	< 0.0156	<1	<0.02	< 0.0156	<1.1	<0.02	< 0.0156	< 0.0156	< 0.0156		<1.1	
Anthracene	µg/L	NS	NS	3,000	600	<0.021	<0.02	< 0.015	< 0.015	< 0.015		<0.02	<0.02		<0.021	<0.02	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	<0.021	<0.02	< 0.015	<0.021	<0.02	< 0.015	< 0.015	< 0.015		0.022 J	
Benzo(a)anthracene	µg/L	NS	NS	NS	NS	<0.01	0.03 J	< 0.02	< 0.02	< 0.02		<0.01	<0.025		<0.01	0.053 J	0.0264 J	0.046 J	< 0.02	< 0.02	< 0.02	< 0.02	<0.01	0.055 J	0.028 J	<0.011	0.026 J	< 0.02	< 0.02	< 0.02		<0.011	
Benzo(a)pyrene	µg/L	NS	NS	0.2	0.02	<0.01	*0.039 J*	< 0.0167	< 0.0167	< 0.0167		<0.01	<0.018		<0.01	*0.049 J*	0.0192 J	*0.036 J*	< 0.0167	< 0.0167	< 0.0167	< 0.0167	<0.01	*0.093*	*0.061*	<0.011	*0.025 J*	< 0.0167	< 0.0167	< 0.0167		<0.011	
Benzo(b)fluoranthene	µg/L	NS	NS	0.2	0.02	<0.0082	*0.065*	< 0.016	< 0.016	< 0.016		<0.0082	<0.02		<0.0083	*0.107*	*0.036 J*	*0.057*	< 0.016	< 0.016	< 0.016	0.0167 J	<0.0084	**0.222**	*0.106*	<0.0086	*0.055 J*	< 0.016	< 0.016	< 0.016		<0.0085	
Benzo(ghi)perylene	µg/L	NS	NS	NS	NS	<0.062	0.188	0.0282 J	0.04 J	< 0.0142		<0.061	0.047 J		<0.062	0.107	0.0235 J	0.079	< 0.0142	< 0.0142	< 0.0142	< 0.0142	<0.063	0.152	0.103	<0.064	0.054 J	< 0.0142	0.025 J	< 0.0142		<0.064	
Benzo(k)fluoranthene	µg/L	NS	NS	NS	NS	<0.0082	<0.027	< 0.0146	< 0.0146	< 0.0146		<0.0082	<0.027		<0.0083	<0.027	< 0.0146	0.027 J	< 0.0146	< 0.0146	< 0.0146	< 0.0146	<0.0084	0.071 J	0.039 J	<0.0086	<0.027	< 0.0146	< 0.0146	0.0155 J		<0.0085	
Chrysene	µg/L	NS	NS	0.2	0.02	<0.062	*0.06*	< 0.0157	< 0.0157	< 0.0157		<0.061	<0.018		<0.062	*0.082*	0.0187 J	*0.053*	< 0.0157	< 0.0157	< 0.0157	< 0.0157	<0.063	*0.111*	*0.058*	<0.064	*0.038 J*	< 0.0157	< 0.0157	< 0.0157		<0.064	
Dibenzo(a,h)anthracene	µg/L	NS	NS	NS	NS	<0.021	<0.023	< 0.0173	< 0.0173	< 0.0173		<0.02	<0.023		<0.021	<0.023	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	<0.021	<0.023	< 0.0173	<0.021	<0.023	< 0.0173	< 0.0173	< 0.0173		<0.021	
Fluoranthene	µg/L	NS	NS	400	80	<0.021	0.087	0.0088 J	0.0131 J	< 0.0088		<0.02	<0.026		<0.021	0.153	0.034	0.09	0.0157 J	< 0.0088	< 0.0088	0.0185 J	<0.021	0.196	0.1	<0.021	0.061 J	0.0104 J	< 0.0088	< 0.0088		<0.021	
Fluorene	µg/L	NS	NS	400	80	<0.1	<0.02	< 0.0079	< 0.0079	0.0101 J		<0.1	<0.02		<0.1	<0.02	< 0.0079	< 0.0079	< 0.0079	0.0121 J	< 0.0079	< 0.0079	<0.1	<0.02	< 0.0079	<0.11	<0.02	< 0.0079	< 0.0079	0.0081 J		<0.11	
Indeno(1,2,3-cd)pyrene	µg/L	NS	NS	NS	NS	<0.041	0.04 J	< 0.0121	< 0.0121	< 0.0121		<0.041	<0.027		<0.042	0.041 J	0.0172 J	0.035 J	< 0.0121	< 0.0121	< 0.0121	< 0.0121	<0.042	0.093	0.062	<0.043	<0.027	< 0.0121	0.0148 J	< 0.0121		<0.043	
Naphthalene	µg/L	NS	NS	100	10	<1	0.027 J	0.04 J	< 0.03	0.75		<1	<0.023		<1	<0.023	0.128	< 0.03	0.49	< 0.03	< 0.03	< 0.03	<1	<0.023	< 0.03	<1.1	0.032 J	0.163	< 0.03	0.34		<1.1	
Phenanthrene	µg/L	NS	NS	NS	NS	<0.041	0.062	< 0.0143	0.0152 J	< 0.0143		<0.041	0.02 J		<0.042	0.044 J	0.0205 J	0.0241 J	< 0.0143	< 0.0143	< 0.0143	< 0.0143	<0.042	0.087	0.033 J	<0.043	0.047 J	0.0157 J	< 0.0143	< 0.0143		<0.043	
Pyrene	µg/L	NS	NS	250	50	<0.1	0.127	0.0166 J	0.0229 J	< 0.0121		<0.1	0.033 J		<0.1	0.15	0.0294 J	0.094	< 0.0121	< 0.0121	< 0.0121	0.0162 J	<0.1	0.16	0.09	<0.11	0.058 J	< 0.0121	< 0.0121	< 0.0121		<0.11	

Notes:
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Trip blank 12/31/19, 1/10/20 BTEX less than LOD
Trip blank 4/3/20, 4/8/20 BTEX less than LOD
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Equip blank 1/6/2021, 1/7/2021, 1/8/2021 less than LOD
Trip blank 4/2/21 BTEX less than LOD
Equip blank 3/30, 3/31, 4/1, 4/2/21 BTEX less than LOD

Table 5

Proposed Adjustments to Groundwater Monitoring

Former Moss-American Facility- 8716 N Granville Rd, Milwaukee, WI

Sigma Project # 18687

Well ID	Well Casing Diameter (inches)	Well Casing Material	Proposed Adjustment	Rationale for Proposed Adjustment
MW-5S	2	Steel	Abandonment	Upgradient; one PAL (J flag) exceedance since 2010 (nine rounds)
MW-31SR	2	PVC		Upgradient; no PAL exceedances since 2010
MW-37S	2	Steel		Up/sidegradient; no PAL exceedances in last four rounds
TG1-3	2	Steel		Redundant with TG1-2; no PAL exceedances since 2010
TG2-3	2	Steel		Redundant with TG2-2; no PAL exceedances in last four rounds
TG4-1	2	Steel		Redundant with TG4-2; no PAL exceedances in last five rounds
TG4-3	2	Steel		Redundant with TG4-2; no PAL exceedances in last four rounds
TG5-3	2	Steel		Redundant with TG5-2; no PAL exceedances in last five rounds
TG6-1	2	Steel		Redundant with TG6-2; no PAL exceedances in last three rounds
TG6-3	2	Steel		Redundant with TG6-2; no PAL exceedances since 2010 (nine rounds)
PZ-01	1.5	PVC		No PAL exceedances since 2019 (seven rounds)
PZ-04	1.5	PVC		No PAL exceedances since 2019 (seven rounds)
PZ-06	1.5	PVC		No PAL exceedances since 2019 (seven rounds)
MW-9S	2	Steel	Stop monitoring	Two PAL (J flag) exceedances since 2010 (nine rounds)
MW-30S	2	Steel		Upgradient; five PAL (J flag) exceedances since 2010
TG3-1	2	Steel		Redundant with TG3-2; five PAL (J flag) exceedances since 2019
TG3-3	2	Steel		Redundant with TG3-2; PAL (J flag) exceedances similar to TG3-2
TG5-1	2	Steel		Redundant with TG5-2; three PAL exceedances since 2010
PZ-05	1.5	PVC		Four PAL (J flag) exceedances since 2019 (seven rounds)

ATTACHMENT 1

INVESTIGATIVE WASTE MANIFESTS

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
WID039052626	1	(877) 818-0087	001876597 VES

GENERATOR

5. Generator's Name and Mailing Address
TOM WENTLAND (DNR)
WISCONSIN DNR - MOSS-AMERICA CO
1155 PILGRIM ROAD
PLYMOUTH, WI 53073
Generator's Phone:

Generator's Site Address (if different than mailing address)
8716 GRANVILLE RD
MILWAUKEE, WI 53224

6. Transporter 1 Company Name 920 893-8529
VEOLIA ES TECHNICAL SOLUTIONS
U.S. EPA ID Number: WIDO80631369

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
WAYNE DISPOSAL, INC.
49350 N I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: 800 592-5489
U.S. EPA ID Number: MID048009633

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. NA3077, HAZARDOUS WASTE, SOLID, n.o.s., (K001, F034), 9, III, RQ	6	DM	4.2	P	F034 K001
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
ER Service Contracted by VESTS + Contract retained by generator confers agency authority on initial transporter to add or substitute additional transporters on generator's behalf. + 1) ERG:171 W:665128 A:WAY K164530WDI

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name | Signature | Month | Day | Year

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name | Signature | Month | Day | Year

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) | U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) | Month | Day | Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name | Signature | Month | Day | Year

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	WID039052626		(877) 818-0067	001876596 VES

GENERATOR

5. Generator's Name and Mailing Address

WID039052626

TOM WENTLAND (DNR)
WISCONSIN DNR - MOSS-AMERICA CO
1155 PILGRIM ROAD
MENOMINEE, WI 53073

Generator's Phone:

Generator's Site Address (if different than mailing address)

8716 GRANVILLE RD
MILWAUKEE, WI 53224

6. Transporter 1 Company Name 920 893-8528

VEOLIA ES TECHNICAL SOLUTIONS

U.S. EPA ID Number

N J D 0 8 0 6 3 1 5 6 9

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

VEOLIA ES TECHNICAL SOLUTIONS
HIGHWAY 73
3.5 MILES W. OF TAYLORS BAYOU
PORT ARTHUR, TX 77640

U.S. EPA ID Number

Facility's Phone: 409 736-2821

T X D 0 0 8 3 0 8 9 6

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. NA3082, HAZARDOUS WASTE, LIQUID, n.o.s., (K001, F034), 9, III, RQ	25	DM	7,500	P	F034 K001
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information

ER Service Contracted by VESTS + Contract retained by generator confers agency authority on initial transporter to add or substitute additional transporters on generator's behalf. + 1) ERG:171 W:657967 A:PTA657967L

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year

Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator)	Month	Day	Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name	Signature	Month	Day	Year

PACKING SUMMARY

BL Accnt Id (Gen Num): 48145 (639076)
WISCONSIN DNR - MOSS-AMERICA CO
8715 GRANVILLE RD
MILWAUKEE, WI 53224

Attn:
EPA ID:WID039052626

Manifest Number: 001876597VES
Field System ID: Y2
Work Order Number: 3697390999
Date Shipped: 04/15/2021

Container#: Y2-3697390999-001 Waste Area: Manifest Page/Line: 01 / 1

WIP: 665129 DisposalCode: WAY K184530WDI PHY State: S

Date Accumulated: 04/15/2021 Gen Drum ID:

Shipping Name: NA3077, HAZARDOUS WASTE, SOLID, n.o.s., (K001, F034), 9, III, RQ

No. of Commons: 08 4,200 6 Outer Container: 55IA2-DM Inner Container:

Primary Waste Codes: F034,K001 PCB Serial #: OOS Date: / /

Total Cmne Wt: ~~3600~~ 4,200 SIC: 9999 Source: G43 Form: W409 System: H132 Cubic Ft.: 7.50

Individual Common Weights: ~~500, 500, 500, 500, 500, 500~~ 700 700 700 700 700 700 (POUNDS)

Units	Container Size	Net Weight	Chemical Name	EPA/State Codes
1	55 GAL		SOIL (REFERENCE WIP 87713 AND 164333) [100%]	F034, K001

Land Disposal Restriction Notification Form

Generator Name WISCONSIN DNR - MOSS-AMERICA CO

EPA ID Number WID039052626 Manifest 001876587VES

This notice is being provided in accordance with 40 CFR 268.7 to inform you that this shipment contains waste restricted from land disposal by the USEPA under the land disposal restriction program. Identified below for each container is the designation of the waste as a wastewater or non-wastewater, the Clean Water Act (CWA) permit status associated with the treatment/disposal facility, applicable waste codes and any corresponding subcategories, list of any F001-F005 solvent constituents that are present in the waste, and any underlying hazardous constituents (UHC) that are present.

Container Number: Y2-3697290999-001 (1/ 1)

WIP / Approval Code:	555128 / WAY K164530WDI
Form Designation / CWA Status:	Non-Wastewater / Non-CWA
Waste Codes (Subcategories):	F024, K001
Constituents (F001 - F005):	None
UHCs Present:	Not Applicable
Treatment Requirements:	Restricted waste requires treatment to applicable standards.
Additional Notices:	

I hearby certify that all information in this and associated land disposal restriction documents is complete and accurate to the best of my knowledge and information.

Signature [signature] on behalf of

Title ES&T Date 9/13/21

PACKING SUMMARY

SL Accnt Id (Gen Num): 48145 (639076)
WISCONSIN DNR - MOSS-AMERICA CO
6716 GRANVILLE RD
MILWAUKEE, WI 53224
Attn:
EPA ID:WID039052626

Manifest Number: 001876596VES
Field System ID: Y2
Work Order Number: 3697390000
Date Shipped: 04/15/2021

Container#: Y2-3697390000-002 Waste Area: Manifest Page/Line: 01 / 1

WP: 857957 DisposalCode: PTA857957L PHY State: L

Date Accumulated: 04/15/2021 Gen Drum ID:

Shipping Name: NA3082, HAZARDOUS WASTE, LIQUID, n.o.s., (K001, F034), 9, III, RQ

No. of Commons: 25 Outer Container: 55IA2-DM Inner Container:

Primary Waste Codes: F034,K001 PCB Serial #: OOS Date: / /

Total Cmns Wt: 10000 7,500 SIC: 9999 Source: G49 Form: W219 System: H040 Cubic Ft.: 7.50

Individual Common Weights: 400, 400, 400, 400, 400, 400, 400, 400, 400, 400, 400, 400, 400, 400, 400, 400, 400, 400, 400, 400, 400, 400, 400, 400, 400 (POUNDS)

Units	Container Size	Net Weight	Chemical Name	EPA/State Codes
1	55 GAL		WATER (100%)	F034, K001

Land Disposal Restriction Notification Form

Generator Name WISCONSIN DNR - MOSS-AMERICA CO

EPA ID Number WID039032826 Manifest 001876996VES

This notice is being provided in accordance with 40 CFR 268.7 to inform you that this shipment contains waste restricted from land disposal by the USEPA under the land disposal restriction program. Identified below for each container is the designation of the waste as a wastewater or non-wastewater, the Clean Water Act (CWA) permit status associated with the treatment/disposal facility, applicable waste codes and any corresponding subcategories, list of any F001-F005 solvent constituents that are present in the waste, and any underlying hazardous constituents (UHC) that are present.

Container Number: V2-[illegible] (1/ 1)

WP / Approval Code:	887987 / PTA887987L
Form Designation / CWA Status:	Non-Wastewater / Non-CWA
Waste Codes (Subcategories):	F024, K001
Constituents (F001 - F005):	None
UHCs Present:	Not Applicable
Treatment Requirements:	Restricted waste requires treatment to applicable standards.
Additional Notices:	

I hereby certify that all information in this and associated land disposal restriction documents is complete and accurate to the best of my knowledge and information.

Signature [signature] on behalf of

Title ESI Date 7/13/21

Activity Report

JOB NO: 3687380000 | WO NO: 3687380000
BILL DOC NO: Y210400093 | EPA ID: WID039052626
BT Acnt ID (Cust#) 7134 (534640) | SL Acnt ID (Gen#): 48148 (639076)

BILL TO: WISC DEPT OF NATURAL RESOURCES
1155 PILGRIM RD
PLYMOUTH, WI 53073
(920) 893-8525

JOB SITE: WISCONSIN DNR - MOSS-AMERICA CO
8716 GRANVILLE RD
MILWAUKEE, WI 53224
(920) 893-8528

CONTACT: TOM WENTLAND (DNR)

CONTACT: TOM WENTLAND (DNR)

MANIFEST NUMBER(S):
001876596VES

CUSTOMER P.O. NUMBER	PROJECT NUMBER	SHIP DATE	TERR.
		04/15/2021	W38

DESCRIPTION	# CONT.	CONT./CODE	QTY	UOM	PO/LN	WASTE AREA
Manifest # 001876596VES WIP 657987 / Approval PTA657987L GROUNDWATER	5		7,500	P	1 / 1	

Total Hours: 0

Veolia ES Technical Solutions, L.L.C. is permitted for and has capacity to accept waste listed above in container quantities.

Activity Report

JOB NO: 3697300000 WO NO: 3697300000
BILL DOC NO: Y2104033098 EPA ID: WID039062628
BT Acnt ID (Cust#) 7134 (534940) SL Acnt ID (Cust#): 48148 (636076)

BILL TO: WISC DEPT OF NATURAL RESOURCES
1155 PILGRIM RD
PLYMOUTH, WI 53073
(920) 893-8528

JOB SITE: WISCONSIN DNR - MOSS-AMERICA CO
8716 GRANVILLE RD
MILWAUKEE, WI 53224
(920) 893-8528

CONTACT: TOM WENTLAND (DNR)

CONTACT: TOM WENTLAND (DNR)

MANIFEST NUMBER(S):
001876997VES

CUSTOMER P.O. NUMBER	PROJECT NUMBER	SHIP DATE	TERR
		04/15/2021	W38

DESCRIPTION	# CONT.	CONT.CODE	QTY	UOM	PO/LN	WASTE AREA
Manifest # 001876997VES WIP 685128 / Approval WAY K164530WDI WOOD TREATMENT SOIL	6		1	P	1 / 1	

Total Hours: 0

Activity Report

JOB NO: 3697390000
WO NO: 3697390000
BILL DOC NO: Y210403928
EPA ID: WID039052626

BT Acnt ID (Cust#) 7134 (534646)
SL Acnt ID (Gen#): 48145 (639076)

BILL TO: WISC DEPT OF NATURAL RESOURCES
1155 PILGRIM RD
PLYMOUTH, WI 53073
(920) 893-8528

JOB SITE: WISCONSIN DNR - MOSS-AMERICA CO
6716 GRANVILLE RD
MILWAUKEE, WI 53224
(920) 893-8528

CONTACT: TOM WENTLAND (DNR)

CONTACT: TOM WENTLAND (DNR)

MANIFEST NUMBER(S):
Non-Disposals

CUSTOMER P.O. NUMBER	PROJECT NUMBER	SHIP DATE	TERR.
		04/15/2021	W38

DESCRIPTION	# CONT.	CONT./CODE	QTY	UOM	PO/LN	WASTE AREA
04/09/2021 Manpwr.- PROJECT MANAGER		126	1@1	HOUR	/	
04/09/2021 Manpwr.- FIELD TECHNICIAN		3175	1@1	HOUR	/	
04/09/2021 Misc. - MOBILIZATION FEE 001-100 MILES		1198	1	EACH	/	
04/09/2021 Misc. - EPA E-MANIFEST FEE		6776	2	EACH	/	
04/09/2021 Mtrl. - 551A2 - 55 GAL OPEN HEAD (17H) METAL NEW Material provided for manifest 001876597VES		4	6	EACH	/	
04/09/2021 Mtrl. - 551A2 - 55 GAL OPEN HEAD (17H) METAL NEW Material provided for manifest 001876596VES		4	25	EACH	/	

Total Hours: 2

Veolia ES Technical Solutions, L.L.C. is permitted for and has capacity to accept waste listed above in container quantities.

Activity Report

JOB NO: 3697390000 WO NO: 3697390000

BILL DOC NO: Y210402898 EPA ID: WID039052626

BT Acnt ID (Cust#) 7134 (534840) SL Acnt ID (Gen#): 48145 (630076)

BILL TO: WISC DEPT OF NATURAL RESOURCES
1155 PILGRIM RD
PLYMOUTH, WI 53073
(920) 893-8525

JOB SITE: WISCONSIN DNR - MOSS-AMERICA CO
5718 GRANVILLE RD
MILWAUKEE, WI 53224
(920) 893-8529

CONTACT: TOM WENTLAND (DNR)

CONTACT: TOM WENTLAND (DNR)

MANIFEST NUMBER(S):
Non-Disposals

CUSTOMER P.O. NUMBER	PROJECT NUMBER	SHIP DATE	TERR.
		04/15/2021	W38

Comments:

Veolia appreciates your business! Your work today was led by Cailyn Sutrick (Environmental Specialist I) in conjunction with other Veolia team members. If you have any questions about today's service or would like to schedule your next pickup, please call the Veolia Menomonee Falls, WI Facility at 800-255-6092 or email Zach Davis at Zach.davis@veolia.com.

GOAL ZERO. LEADING SAFETY TOGETHER.

If you're interested in hearing the latest news about Veolia, sign up to receive our newsletter at

http://www.veolianorthamerica.com/en/media/media/newsletters

Signature: ______ on behalf of

Print Name: Celin Barrington

Customer authorizes Contractor to make changes on Customer's behalf in regards to transporters used and to perform the Services, including adding or changing transporters listed on manifests. If Customer provides an approved transporter list in writing to Contractor at the time Customer executes this Agreement, Contractor shall select only those transporters on that list when providing transportation services to Customer. If Customer does not provide an approved transporter list in writing to Contractor at the time Customer executes this Agreement, Customer authorizes Contractor to select any permitted transporter to provide transportation services to Customer.

Veolia ES Technical Solutions, L.L.C. is permitted for and has capacity to accept waste listed above in container quantities

ATTACHMENT 2

WELL ABANDONMENT FORM MW-K

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

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, 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 DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☒ Remediation/Redevelopment
☐ Waste Management ☐ Other:

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Millwaukee		MW-K

Latitude / Longitude (see instructions)	Format Code	Method Code
N	☒ DD	☐ GPS008
W	☐ DDM	☒ SCR002
		☐ OTH001

¼ / ¼ NW	¼ NW	Section	Township	Range
or Gov't Lot #		08	08 N	21 ☒ E ☐ W

Well Street Address: 8716 N. Granville Road

Well City, Village or Town	Well ZIP Code
Milwaukee	

Subdivision Name	Lot #

Reason for Removal from Service	WI Unique Well # of Replacement Well
No longer needed	not applicable

2. Facility / Owner Information

Facility Name: Moss American Kerr McGee

Facility ID (FID or PWS): 241378280

License/Permit/Monitoring #: BRRTS # 02-41-529585, EPA Cerlis ID WID 039052626

Original Well Owner:

Present Well Owner: Milwaukee County Parks

Mailing Address of Present Owner: 9480 Watertown Plank Road

City of Present Owner	State	ZIP Code
Wauwatosa	WI	53226

3. Filled & Sealed Well / Drillhole / Borehole Information

☒ Monitoring Well ☐ Water Well ☐ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy):

If a Well Construction Report is available, please attach.

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

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

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

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

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

If yes, to what depth (feet)?	Depth to Water (feet)
not applicable	0.0

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

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

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

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☒ Bentonite Chips

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

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Bentonite	Surface			

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
Michael Murray - Sigma	n/a	09/23/2020

Street or Route	Telephone Number
The Sigma Group, Inc., 1300 W. Canal Street	(414) 643-4200

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Milwaukee	WI	53233		3/19/21

DNR Use Only

Date Received	Noted By

Comments:

ATTACHMENT 3

LABORATORY REPORTS

Synergy Environmental Lab, INC

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

ANDREA LORENZ
THE SIGMA GROUP, INC.
1300 W. CANAL STREET
MILWAUKEE. WI 53233

Report Date *09-Apr-21*

Project Name MOSS AMERICAN **Invoice #** E39239
Project # 18687

Lab Code 5039239A
Sample ID PZ-04
Sample Matrix Water
Sample Date 3/31/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.38	ug/l	0.38	1.55	1	8260B		4/6/2021	CJR	1
Ethylbenzene	< 0.37	ug/l	0.37	1.51	1	8260B		4/6/2021	CJR	1
Toluene	< 0.42	ug/l	0.42	1.71	1	8260B		4/6/2021	CJR	1
m&p-Xylene	< 0.77	ug/l	0.77	3.14	1	8260B		4/6/2021	CJR	1
o-Xylene	< 0.44	ug/l	0.44	1.8	1	8260B		4/6/2021	CJR	1
PAH SIM										
Acenaphthene	< 0.0094	ug/l	0.0094	0.03	1	M8270C	4/6/2021	4/6/2021	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	4/6/2021	4/6/2021	NJC	1
Anthracene	0.0167 "J"	ug/l	0.015	0.0478	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	4/6/2021	4/6/2021	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	4/6/2021	4/6/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	4/6/2021	4/6/2021	NJC	1
Fluoranthene	< 0.0088	ug/l	0.0088	0.0281	1	M8270C	4/6/2021	4/6/2021	NJC	1
Fluorene	< 0.0079	ug/l	0.0079	0.0251	1	M8270C	4/6/2021	4/6/2021	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	4/6/2021	4/6/2021	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	4/6/2021	4/6/2021	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	4/6/2021	4/6/2021	NJC	1
Naphthalene	< 0.03	ug/l	0.03	0.1	1	M8270C	4/6/2021	4/6/2021	NJC	1
Phenanthrene	< 0.0143	ug/l	0.0143	0.0456	1	M8270C	4/6/2021	4/6/2021	NJC	1
Pyrene	< 0.0121	ug/l	0.0121	0.0386	1	M8270C	4/6/2021	4/6/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39239
Project # 18687

Lab Code 5039239B
Sample ID MW-9S
Sample Matrix Water
Sample Date 3/31/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.38	ug/l	0.38	1.55	1	8260B		4/6/2021	CJR	1
Ethylbenzene	< 0.37	ug/l	0.37	1.51	1	8260B		4/6/2021	CJR	1
Toluene	< 0.42	ug/l	0.42	1.71	1	8260B		4/6/2021	CJR	1
m&p-Xylene	< 0.77	ug/l	0.77	3.14	1	8260B		4/6/2021	CJR	1
o-Xylene	< 0.44	ug/l	0.44	1.8	1	8260B		4/6/2021	CJR	1
PAH SIM										
Acenaphthene	< 0.0094	ug/l	0.0094	0.03	1	M8270C	4/6/2021	4/6/2021	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	4/6/2021	4/6/2021	NJC	1
Anthracene	0.0234 "J"	ug/l	0.015	0.0478	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(b)fluoranthene	0.0177 "J"	ug/l	0.016	0.0509	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(k)fluoranthene	0.0171 "J"	ug/l	0.0146	0.0463	1	M8270C	4/6/2021	4/6/2021	NJC	1
Chrysene	0.0177 "J"	ug/l	0.0157	0.0499	1	M8270C	4/6/2021	4/6/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	4/6/2021	4/6/2021	NJC	1
Fluoranthene	0.0142 "J"	ug/l	0.0088	0.0281	1	M8270C	4/6/2021	4/6/2021	NJC	1
Fluorene	< 0.0079	ug/l	0.0079	0.0251	1	M8270C	4/6/2021	4/6/2021	NJC	1
Indeno(1,2,3-cd)pyrene	0.0154 "J"	ug/l	0.0121	0.0385	1	M8270C	4/6/2021	4/6/2021	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	4/6/2021	4/6/2021	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	4/6/2021	4/6/2021	NJC	1
Naphthalene	< 0.03	ug/l	0.03	0.1	1	M8270C	4/6/2021	4/6/2021	NJC	1
Phenanthrene	< 0.0143	ug/l	0.0143	0.0456	1	M8270C	4/6/2021	4/6/2021	NJC	1
Pyrene	0.0166 "J"	ug/l	0.0121	0.0386	1	M8270C	4/6/2021	4/6/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39239
Project # 18687

Lab Code 5039239C
Sample ID TG5-1
Sample Matrix Water
Sample Date 3/31/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.38	ug/l	0.38	1.55	1	8260B		4/6/2021	CJR	1
Ethylbenzene	< 0.37	ug/l	0.37	1.51	1	8260B		4/6/2021	CJR	1
Toluene	< 0.42	ug/l	0.42	1.71	1	8260B		4/6/2021	CJR	1
m&p-Xylene	< 0.77	ug/l	0.77	3.14	1	8260B		4/6/2021	CJR	1
o-Xylene	< 0.44	ug/l	0.44	1.8	1	8260B		4/6/2021	CJR	1
PAH SIM										
Acenaphthene	< 0.0094	ug/l	0.0094	0.03	1	M8270C	4/6/2021	4/6/2021	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	4/6/2021	4/6/2021	NJC	1
Anthracene	0.044 "J"	ug/l	0.015	0.0478	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	4/6/2021	4/6/2021	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	4/6/2021	4/6/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	4/6/2021	4/6/2021	NJC	1
Fluoranthene	0.0105 "J"	ug/l	0.0088	0.0281	1	M8270C	4/6/2021	4/6/2021	NJC	1
Fluorene	< 0.0079	ug/l	0.0079	0.0251	1	M8270C	4/6/2021	4/6/2021	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	4/6/2021	4/6/2021	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	4/6/2021	4/6/2021	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	4/6/2021	4/6/2021	NJC	1
Naphthalene	< 0.03	ug/l	0.03	0.1	1	M8270C	4/6/2021	4/6/2021	NJC	1
Phenanthrene	< 0.0143	ug/l	0.0143	0.0456	1	M8270C	4/6/2021	4/6/2021	NJC	1
Pyrene	< 0.0121	ug/l	0.0121	0.0386	1	M8270C	4/6/2021	4/6/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39239
Project # 18687

Lab Code 5039239D
Sample ID TG5-2
Sample Matrix Water
Sample Date 3/31/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.38	ug/l	0.38	1.55	1	8260B		4/6/2021	CJR	1
Ethylbenzene	< 0.37	ug/l	0.37	1.51	1	8260B		4/6/2021	CJR	1
Toluene	< 0.42	ug/l	0.42	1.71	1	8260B		4/6/2021	CJR	1
m&p-Xylene	< 0.77	ug/l	0.77	3.14	1	8260B		4/6/2021	CJR	1
o-Xylene	< 0.44	ug/l	0.44	1.8	1	8260B		4/6/2021	CJR	1
PAH SIM										
Acenaphthene	0.0149 "J"	ug/l	0.0094	0.03	1	M8270C	4/6/2021	4/6/2021	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	4/6/2021	4/6/2021	NJC	1
Anthracene	0.086	ug/l	0.015	0.0478	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(a)anthracene	0.0308 "J"	ug/l	0.02	0.067	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(a)pyrene	0.0178 "J"	ug/l	0.0167	0.0531	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(b)fluoranthene	0.0249 "J"	ug/l	0.016	0.0509	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(g,h,i)perylene	0.017 "J"	ug/l	0.0142	0.0451	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(k)fluoranthene	0.0168 "J"	ug/l	0.0146	0.0463	1	M8270C	4/6/2021	4/6/2021	NJC	1
Chrysene	0.0218 "J"	ug/l	0.0157	0.0499	1	M8270C	4/6/2021	4/6/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	4/6/2021	4/6/2021	NJC	1
Fluoranthene	0.073	ug/l	0.0088	0.0281	1	M8270C	4/6/2021	4/6/2021	NJC	1
Fluorene	< 0.0079	ug/l	0.0079	0.0251	1	M8270C	4/6/2021	4/6/2021	NJC	1
Indeno(1,2,3-cd)pyrene	0.0153 "J"	ug/l	0.0121	0.0385	1	M8270C	4/6/2021	4/6/2021	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	4/6/2021	4/6/2021	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	4/6/2021	4/6/2021	NJC	1
Naphthalene	< 0.03	ug/l	0.03	0.1	1	M8270C	4/6/2021	4/6/2021	NJC	1
Phenanthrene	0.0167 "J"	ug/l	0.0143	0.0456	1	M8270C	4/6/2021	4/6/2021	NJC	1
Pyrene	0.071	ug/l	0.0121	0.0386	1	M8270C	4/6/2021	4/6/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39239
Project # 18687

Lab Code 5039239E
Sample ID TG5-3
Sample Matrix Water
Sample Date 3/31/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.38	ug/l	0.38	1.55	1	8260B		4/6/2021	CJR	1
Ethylbenzene	< 0.37	ug/l	0.37	1.51	1	8260B		4/6/2021	CJR	1
Toluene	< 0.42	ug/l	0.42	1.71	1	8260B		4/6/2021	CJR	1
m&p-Xylene	< 0.77	ug/l	0.77	3.14	1	8260B		4/6/2021	CJR	1
o-Xylene	< 0.44	ug/l	0.44	1.8	1	8260B		4/6/2021	CJR	1
PAH SIM										
Acenaphthene	< 0.0094	ug/l	0.0094	0.03	1	M8270C	4/6/2021	4/6/2021	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	4/6/2021	4/6/2021	NJC	1
Anthracene	0.087	ug/l	0.015	0.0478	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	4/6/2021	4/6/2021	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	4/6/2021	4/6/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	4/6/2021	4/6/2021	NJC	1
Fluoranthene	0.0176 "J"	ug/l	0.0088	0.0281	1	M8270C	4/6/2021	4/6/2021	NJC	1
Fluorene	< 0.0079	ug/l	0.0079	0.0251	1	M8270C	4/6/2021	4/6/2021	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	4/6/2021	4/6/2021	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	4/6/2021	4/6/2021	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	4/6/2021	4/6/2021	NJC	1
Naphthalene	< 0.03	ug/l	0.03	0.1	1	M8270C	4/6/2021	4/6/2021	NJC	1
Phenanthrene	< 0.0143	ug/l	0.0143	0.0456	1	M8270C	4/6/2021	4/6/2021	NJC	1
Pyrene	0.0218 "J"	ug/l	0.0121	0.0386	1	M8270C	4/6/2021	4/6/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39239
Project # 18687

Lab Code 5039239F
Sample ID TG6-1
Sample Matrix Water
Sample Date 3/31/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.38	ug/l	0.38	1.55	1	8260B		4/6/2021	CJR	1
Ethylbenzene	< 0.37	ug/l	0.37	1.51	1	8260B		4/6/2021	CJR	1
Toluene	< 0.42	ug/l	0.42	1.71	1	8260B		4/6/2021	CJR	1
m&p-Xylene	< 0.77	ug/l	0.77	3.14	1	8260B		4/6/2021	CJR	1
o-Xylene	< 0.44	ug/l	0.44	1.8	1	8260B		4/6/2021	CJR	1
PAH SIM										
Acenaphthene	0.208	ug/l	0.0094	0.03	1	M8270C	4/6/2021	4/6/2021	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	4/6/2021	4/6/2021	NJC	1
Anthracene	0.0242 "J"	ug/l	0.015	0.0478	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	4/6/2021	4/6/2021	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	4/6/2021	4/6/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	4/6/2021	4/6/2021	NJC	1
Fluoranthene	0.0136 "J"	ug/l	0.0088	0.0281	1	M8270C	4/6/2021	4/6/2021	NJC	1
Fluorene	0.0111 "J"	ug/l	0.0079	0.0251	1	M8270C	4/6/2021	4/6/2021	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	4/6/2021	4/6/2021	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	4/6/2021	4/6/2021	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	4/6/2021	4/6/2021	NJC	1
Naphthalene	< 0.03	ug/l	0.03	0.1	1	M8270C	4/6/2021	4/6/2021	NJC	1
Phenanthrene	< 0.0143	ug/l	0.0143	0.0456	1	M8270C	4/6/2021	4/6/2021	NJC	1
Pyrene	< 0.0121	ug/l	0.0121	0.0386	1	M8270C	4/6/2021	4/6/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39239
Project # 18687

Lab Code 5039239G
Sample ID TG6-2
Sample Matrix Water
Sample Date 3/31/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.38	ug/l	0.38	1.55	1	8260B		4/6/2021	CJR	1
Ethylbenzene	< 0.37	ug/l	0.37	1.51	1	8260B		4/6/2021	CJR	1
Toluene	< 0.42	ug/l	0.42	1.71	1	8260B		4/6/2021	CJR	1
m&p-Xylene	< 0.77	ug/l	0.77	3.14	1	8260B		4/6/2021	CJR	1
o-Xylene	< 0.44	ug/l	0.44	1.8	1	8260B		4/6/2021	CJR	1
PAH SIM										
Acenaphthene	< 0.0094	ug/l	0.0094	0.03	1	M8270C	4/6/2021	4/6/2021	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	4/6/2021	4/6/2021	NJC	1
Anthracene	0.05	ug/l	0.015	0.0478	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	4/6/2021	4/6/2021	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	4/6/2021	4/6/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	4/6/2021	4/6/2021	NJC	1
Fluoranthene	0.044	ug/l	0.0088	0.0281	1	M8270C	4/6/2021	4/6/2021	NJC	1
Fluorene	0.0117 "J"	ug/l	0.0079	0.0251	1	M8270C	4/6/2021	4/6/2021	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	4/6/2021	4/6/2021	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	4/6/2021	4/6/2021	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	4/6/2021	4/6/2021	NJC	1
Naphthalene	< 0.03	ug/l	0.03	0.1	1	M8270C	4/6/2021	4/6/2021	NJC	1
Phenanthrene	< 0.0143	ug/l	0.0143	0.0456	1	M8270C	4/6/2021	4/6/2021	NJC	1
Pyrene	0.051	ug/l	0.0121	0.0386	1	M8270C	4/6/2021	4/6/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39239
Project # 18687

Lab Code 5039239H
Sample ID TG6-3
Sample Matrix Water
Sample Date 3/31/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.38	ug/l	0.38	1.55	1	8260B		4/6/2021	CJR	1
Ethylbenzene	< 0.37	ug/l	0.37	1.51	1	8260B		4/6/2021	CJR	1
Toluene	< 0.42	ug/l	0.42	1.71	1	8260B		4/6/2021	CJR	1
m&p-Xylene	< 0.77	ug/l	0.77	3.14	1	8260B		4/6/2021	CJR	1
o-Xylene	< 0.44	ug/l	0.44	1.8	1	8260B		4/6/2021	CJR	1
PAH SIM										
Acenaphthene	< 0.0094	ug/l	0.0094	0.03	1	M8270C	4/6/2021	4/6/2021	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	4/6/2021	4/6/2021	NJC	1
Anthracene	0.043 "J"	ug/l	0.015	0.0478	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	4/6/2021	4/6/2021	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	4/6/2021	4/6/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	4/6/2021	4/6/2021	NJC	1
Fluoranthene	0.035	ug/l	0.0088	0.0281	1	M8270C	4/6/2021	4/6/2021	NJC	1
Fluorene	< 0.0079	ug/l	0.0079	0.0251	1	M8270C	4/6/2021	4/6/2021	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	4/6/2021	4/6/2021	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	4/6/2021	4/6/2021	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	4/6/2021	4/6/2021	NJC	1
Naphthalene	< 0.03	ug/l	0.03	0.1	1	M8270C	4/6/2021	4/6/2021	NJC	1
Phenanthrene	0.0179 "J"	ug/l	0.0143	0.0456	1	M8270C	4/6/2021	4/6/2021	NJC	1
Pyrene	0.035 "J"	ug/l	0.0121	0.0386	1	M8270C	4/6/2021	4/6/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39239
Project # 18687

Lab Code 5039239I
Sample ID PZ-01
Sample Matrix Water
Sample Date 3/31/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.38	ug/l	0.38	1.55	1	8260B		4/6/2021	CJR	1
Ethylbenzene	< 0.37	ug/l	0.37	1.51	1	8260B		4/6/2021	CJR	1
Toluene	< 0.42	ug/l	0.42	1.71	1	8260B		4/6/2021	CJR	1
m&p-Xylene	< 0.77	ug/l	0.77	3.14	1	8260B		4/6/2021	CJR	1
o-Xylene	< 0.44	ug/l	0.44	1.8	1	8260B		4/6/2021	CJR	1
PAH SIM										
Acenaphthene	< 0.0094	ug/l	0.0094	0.03	1	M8270C	4/6/2021	4/6/2021	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	4/6/2021	4/6/2021	NJC	1
Anthracene	< 0.015	ug/l	0.015	0.0478	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	4/6/2021	4/6/2021	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	4/6/2021	4/6/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	4/6/2021	4/6/2021	NJC	1
Fluoranthene	0.0094 "J"	ug/l	0.0088	0.0281	1	M8270C	4/6/2021	4/6/2021	NJC	1
Fluorene	0.0088 "J"	ug/l	0.0079	0.0251	1	M8270C	4/6/2021	4/6/2021	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	4/6/2021	4/6/2021	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	4/6/2021	4/6/2021	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	4/6/2021	4/6/2021	NJC	1
Naphthalene	< 0.03	ug/l	0.03	0.1	1	M8270C	4/6/2021	4/6/2021	NJC	1
Phenanthrene	< 0.0143	ug/l	0.0143	0.0456	1	M8270C	4/6/2021	4/6/2021	NJC	1
Pyrene	< 0.0121	ug/l	0.0121	0.0386	1	M8270C	4/6/2021	4/6/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39239
Project # 18687

Lab Code 5039239J
Sample ID MW-37S
Sample Matrix Water
Sample Date 3/31/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.38	ug/l	0.38	1.55	1	8260B		4/6/2021	CJR	1
Ethylbenzene	< 0.37	ug/l	0.37	1.51	1	8260B		4/6/2021	CJR	1
Toluene	< 0.42	ug/l	0.42	1.71	1	8260B		4/6/2021	CJR	1
m&p-Xylene	< 0.77	ug/l	0.77	3.14	1	8260B		4/6/2021	CJR	1
o-Xylene	< 0.44	ug/l	0.44	1.8	1	8260B		4/6/2021	CJR	1
PAH SIM										
Acenaphthene	< 0.0094	ug/l	0.0094	0.03	1	M8270C	4/6/2021	4/6/2021	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	4/6/2021	4/6/2021	NJC	1
Anthracene	< 0.015	ug/l	0.015	0.0478	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	4/6/2021	4/6/2021	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	4/6/2021	4/6/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	4/6/2021	4/6/2021	NJC	1
Fluoranthene	< 0.0088	ug/l	0.0088	0.0281	1	M8270C	4/6/2021	4/6/2021	NJC	1
Fluorene	< 0.0079	ug/l	0.0079	0.0251	1	M8270C	4/6/2021	4/6/2021	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	4/6/2021	4/6/2021	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	4/6/2021	4/6/2021	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	4/6/2021	4/6/2021	NJC	1
Naphthalene	< 0.03	ug/l	0.03	0.1	1	M8270C	4/6/2021	4/6/2021	NJC	1
Phenanthrene	< 0.0143	ug/l	0.0143	0.0456	1	M8270C	4/6/2021	4/6/2021	NJC	1
Pyrene	< 0.0121	ug/l	0.0121	0.0386	1	M8270C	4/6/2021	4/6/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39239
Project # 18687

Lab Code 5039239K
Sample ID PZ-05
Sample Matrix Water
Sample Date 3/31/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.38	ug/l	0.38	1.55	1	8260B		4/7/2021	CJR	1
Ethylbenzene	< 0.37	ug/l	0.37	1.51	1	8260B		4/7/2021	CJR	1
Toluene	< 0.42	ug/l	0.42	1.71	1	8260B		4/7/2021	CJR	1
m&p-Xylene	< 0.77	ug/l	0.77	3.14	1	8260B		4/7/2021	CJR	1
o-Xylene	< 0.44	ug/l	0.44	1.8	1	8260B		4/7/2021	CJR	1
PAH SIM										
Acenaphthene	< 0.0094	ug/l	0.0094	0.03	1	M8270C	4/6/2021	4/6/2021	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	4/6/2021	4/6/2021	NJC	1
Anthracene	< 0.015	ug/l	0.015	0.0478	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	4/6/2021	4/6/2021	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	4/6/2021	4/6/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	4/6/2021	4/6/2021	NJC	1
Fluoranthene	< 0.0088	ug/l	0.0088	0.0281	1	M8270C	4/6/2021	4/6/2021	NJC	1
Fluorene	< 0.0079	ug/l	0.0079	0.0251	1	M8270C	4/6/2021	4/6/2021	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	4/6/2021	4/6/2021	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	4/6/2021	4/6/2021	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	4/6/2021	4/6/2021	NJC	1
Naphthalene	< 0.03	ug/l	0.03	0.1	1	M8270C	4/6/2021	4/6/2021	NJC	1
Phenanthrene	< 0.0143	ug/l	0.0143	0.0456	1	M8270C	4/6/2021	4/6/2021	NJC	1
Pyrene	< 0.0121	ug/l	0.0121	0.0386	1	M8270C	4/6/2021	4/6/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39239
Project # 18687

Lab Code 5039239L
Sample ID MW-31SR
Sample Matrix Water
Sample Date 3/31/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.38	ug/l	0.38	1.55	1	8260B		4/7/2021	CJR	1
Ethylbenzene	< 0.37	ug/l	0.37	1.51	1	8260B		4/7/2021	CJR	1
Toluene	< 0.42	ug/l	0.42	1.71	1	8260B		4/7/2021	CJR	1
m&p-Xylene	< 0.77	ug/l	0.77	3.14	1	8260B		4/7/2021	CJR	1
o-Xylene	< 0.44	ug/l	0.44	1.8	1	8260B		4/7/2021	CJR	1
PAH SIM										
Acenaphthene	< 0.0094	ug/l	0.0094	0.03	1	M8270C	4/6/2021	4/6/2021	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	4/6/2021	4/6/2021	NJC	1
Anthracene	< 0.015	ug/l	0.015	0.0478	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	4/6/2021	4/6/2021	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	4/6/2021	4/6/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	4/6/2021	4/6/2021	NJC	1
Fluoranthene	0.0113 "J"	ug/l	0.0088	0.0281	1	M8270C	4/6/2021	4/6/2021	NJC	1
Fluorene	< 0.0079	ug/l	0.0079	0.0251	1	M8270C	4/6/2021	4/6/2021	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	4/6/2021	4/6/2021	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	4/6/2021	4/6/2021	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	4/6/2021	4/6/2021	NJC	1
Naphthalene	< 0.03	ug/l	0.03	0.1	1	M8270C	4/6/2021	4/6/2021	NJC	1
Phenanthrene	< 0.0143	ug/l	0.0143	0.0456	1	M8270C	4/6/2021	4/6/2021	NJC	1
Pyrene	< 0.0121	ug/l	0.0121	0.0386	1	M8270C	4/6/2021	4/6/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39239
Project # 18687

Lab Code 5039239M
Sample ID PZ-06
Sample Matrix Water
Sample Date 3/31/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.38	ug/l	0.38	1.55	1	8260B		4/7/2021	CJR	1
Ethylbenzene	< 0.37	ug/l	0.37	1.51	1	8260B		4/7/2021	CJR	1
Toluene	< 0.42	ug/l	0.42	1.71	1	8260B		4/7/2021	CJR	1
m&p-Xylene	< 0.77	ug/l	0.77	3.14	1	8260B		4/7/2021	CJR	1
o-Xylene	< 0.44	ug/l	0.44	1.8	1	8260B		4/7/2021	CJR	1
PAH SIM										
Acenaphthene	< 0.0094	ug/l	0.0094	0.03	1	M8270C	4/6/2021	4/6/2021	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	4/6/2021	4/6/2021	NJC	1
Anthracene	0.0286 "J"	ug/l	0.015	0.0478	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	4/6/2021	4/6/2021	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	4/6/2021	4/6/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	4/6/2021	4/6/2021	NJC	1
Fluoranthene	0.0118 "J"	ug/l	0.0088	0.0281	1	M8270C	4/6/2021	4/6/2021	NJC	1
Fluorene	< 0.0079	ug/l	0.0079	0.0251	1	M8270C	4/6/2021	4/6/2021	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	4/6/2021	4/6/2021	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	4/6/2021	4/6/2021	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	4/6/2021	4/6/2021	NJC	1
Naphthalene	< 0.03	ug/l	0.03	0.1	1	M8270C	4/6/2021	4/6/2021	NJC	1
Phenanthrene	0.0152 "J"	ug/l	0.0143	0.0456	1	M8270C	4/6/2021	4/6/2021	NJC	1
Pyrene	< 0.0121	ug/l	0.0121	0.0386	1	M8270C	4/6/2021	4/6/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39239
Project # 18687

Lab Code 5039239N
Sample ID TG2-2
Sample Matrix Water
Sample Date 3/31/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.38	ug/l	0.38	1.55	1	8260B		4/7/2021	CJR	1
Ethylbenzene	< 0.37	ug/l	0.37	1.51	1	8260B		4/7/2021	CJR	1
Toluene	< 0.42	ug/l	0.42	1.71	1	8260B		4/7/2021	CJR	1
m&p-Xylene	< 0.77	ug/l	0.77	3.14	1	8260B		4/7/2021	CJR	1
o-Xylene	< 0.44	ug/l	0.44	1.8	1	8260B		4/7/2021	CJR	1
PAH SIM										
Acenaphthene	0.037	ug/l	0.0094	0.03	1	M8270C	4/6/2021	4/6/2021	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	4/6/2021	4/6/2021	NJC	1
Anthracene	0.065	ug/l	0.015	0.0478	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	4/6/2021	4/6/2021	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	4/6/2021	4/6/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	4/6/2021	4/6/2021	NJC	1
Fluoranthene	0.041	ug/l	0.0088	0.0281	1	M8270C	4/6/2021	4/6/2021	NJC	1
Fluorene	0.0152 "J"	ug/l	0.0079	0.0251	1	M8270C	4/6/2021	4/6/2021	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	4/6/2021	4/6/2021	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	4/6/2021	4/6/2021	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	4/6/2021	4/6/2021	NJC	1
Naphthalene	< 0.03	ug/l	0.03	0.1	1	M8270C	4/6/2021	4/6/2021	NJC	1
Phenanthrene	0.0178 "J"	ug/l	0.0143	0.0456	1	M8270C	4/6/2021	4/6/2021	NJC	1
Pyrene	0.032 "J"	ug/l	0.0121	0.0386	1	M8270C	4/6/2021	4/6/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39239
Project # 18687

Lab Code 5039239O
Sample ID TG2-3
Sample Matrix Water
Sample Date 3/31/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.38	ug/l	0.38	1.55	1	8260B		4/7/2021	CJR	1
Ethylbenzene	< 0.37	ug/l	0.37	1.51	1	8260B		4/7/2021	CJR	1
Toluene	< 0.42	ug/l	0.42	1.71	1	8260B		4/7/2021	CJR	1
m&p-Xylene	< 0.77	ug/l	0.77	3.14	1	8260B		4/7/2021	CJR	1
o-Xylene	< 0.44	ug/l	0.44	1.8	1	8260B		4/7/2021	CJR	1
PAH SIM										
Acenaphthene	0.0189 "J"	ug/l	0.0094	0.03	1	M8270C	4/6/2021	4/6/2021	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	4/6/2021	4/6/2021	NJC	1
Anthracene	0.047 "J"	ug/l	0.015	0.0478	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	4/6/2021	4/6/2021	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	4/6/2021	4/6/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	4/6/2021	4/6/2021	NJC	1
Fluoranthene	0.0134 "J"	ug/l	0.0088	0.0281	1	M8270C	4/6/2021	4/6/2021	NJC	1
Fluorene	< 0.0079	ug/l	0.0079	0.0251	1	M8270C	4/6/2021	4/6/2021	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	4/6/2021	4/6/2021	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	4/6/2021	4/6/2021	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	4/6/2021	4/6/2021	NJC	1
Naphthalene	< 0.03	ug/l	0.03	0.1	1	M8270C	4/6/2021	4/6/2021	NJC	1
Phenanthrene	< 0.0143	ug/l	0.0143	0.0456	1	M8270C	4/6/2021	4/6/2021	NJC	1
Pyrene	< 0.0121	ug/l	0.0121	0.0386	1	M8270C	4/6/2021	4/6/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39239
Project # 18687

Lab Code 5039239P
Sample ID PZ-09R
Sample Matrix Water
Sample Date 4/1/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.38	ug/l	0.38	1.55	1	8260B		4/7/2021	CJR	1
Ethylbenzene	< 0.37	ug/l	0.37	1.51	1	8260B		4/7/2021	CJR	1
Toluene	< 0.42	ug/l	0.42	1.71	1	8260B		4/7/2021	CJR	1
m&p-Xylene	< 0.77	ug/l	0.77	3.14	1	8260B		4/7/2021	CJR	1
o-Xylene	< 0.44	ug/l	0.44	1.8	1	8260B		4/7/2021	CJR	1
PAH SIM										
Acenaphthene	23.8	ug/l	0.047	0.15	5	M8270C	4/6/2021	4/7/2021	NJC	1
Acenaphthylene	0.52	ug/l	0.078	0.2475	5	M8270C	4/6/2021	4/7/2021	NJC	1
Anthracene	0.74	ug/l	0.075	0.239	5	M8270C	4/6/2021	4/7/2021	NJC	1
Benzo(a)anthracene	0.288 "J"	ug/l	0.1	0.335	5	M8270C	4/6/2021	4/7/2021	NJC	1
Benzo(a)pyrene	< 0.0835	ug/l	0.0835	0.2655	5	M8270C	4/6/2021	4/7/2021	NJC	1
Benzo(b)fluoranthene	0.102 "J"	ug/l	0.08	0.2545	5	M8270C	4/6/2021	4/7/2021	NJC	1
Benzo(g,h,i)perylene	< 0.071	ug/l	0.071	0.2255	5	M8270C	4/6/2021	4/7/2021	NJC	1
Benzo(k)fluoranthene	< 0.073	ug/l	0.073	0.2315	5	M8270C	4/6/2021	4/7/2021	NJC	1
Chrysene	0.213 "J"	ug/l	0.0785	0.2495	5	M8270C	4/6/2021	4/7/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.0865	ug/l	0.0865	0.2745	5	M8270C	4/6/2021	4/7/2021	NJC	1
Fluoranthene	6.90	ug/l	0.044	0.1405	5	M8270C	4/6/2021	4/7/2021	NJC	1
Fluorene	12.9	ug/l	0.0395	0.1255	5	M8270C	4/6/2021	4/7/2021	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0605	ug/l	0.0605	0.1925	5	M8270C	4/6/2021	4/7/2021	NJC	1
1-Methyl naphthalene	1.33	ug/l	0.0955	0.3045	5	M8270C	4/6/2021	4/7/2021	NJC	1
2-Methyl naphthalene	< 0.093	ug/l	0.093	0.295	5	M8270C	4/6/2021	4/7/2021	NJC	1
Naphthalene	2.43	ug/l	0.15	0.5	5	M8270C	4/6/2021	4/7/2021	NJC	1
Phenanthrene	0.237	ug/l	0.0715	0.228	5	M8270C	4/6/2021	4/7/2021	NJC	1
Pyrene	3.30	ug/l	0.0605	0.193	5	M8270C	4/6/2021	4/7/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39239
Project # 18687

Lab Code 5039239Q
Sample ID TG1-1R
Sample Matrix Water
Sample Date 4/1/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.38	ug/l	0.38	1.55	1	8260B		4/7/2021	CJR	1
Ethylbenzene	< 0.37	ug/l	0.37	1.51	1	8260B		4/7/2021	CJR	1
Toluene	< 0.42	ug/l	0.42	1.71	1	8260B		4/7/2021	CJR	1
m&p-Xylene	< 0.77	ug/l	0.77	3.14	1	8260B		4/7/2021	CJR	1
o-Xylene	< 0.44	ug/l	0.44	1.8	1	8260B		4/7/2021	CJR	1
PAH SIM										
Acenaphthene	0.55	ug/l	0.0094	0.03	1	M8270C	4/6/2021	4/6/2021	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	4/6/2021	4/6/2021	NJC	1
Anthracene	0.169	ug/l	0.015	0.0478	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(a)anthracene	0.0211 "J"	ug/l	0.02	0.067	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	4/6/2021	4/6/2021	NJC	1
Chrysene	0.016 "J"	ug/l	0.0157	0.0499	1	M8270C	4/6/2021	4/6/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	4/6/2021	4/6/2021	NJC	1
Fluoranthene	0.44	ug/l	0.0088	0.0281	1	M8270C	4/6/2021	4/6/2021	NJC	1
Fluorene	0.227	ug/l	0.0079	0.0251	1	M8270C	4/6/2021	4/6/2021	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	4/6/2021	4/6/2021	NJC	1
1-Methyl naphthalene	0.045 "J"	ug/l	0.0191	0.0609	1	M8270C	4/6/2021	4/6/2021	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	4/6/2021	4/6/2021	NJC	1
Naphthalene	0.116	ug/l	0.03	0.1	1	M8270C	4/6/2021	4/6/2021	NJC	1
Phenanthrene	0.078	ug/l	0.0143	0.0456	1	M8270C	4/6/2021	4/6/2021	NJC	1
Pyrene	0.273	ug/l	0.0121	0.0386	1	M8270C	4/6/2021	4/6/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39239
Project # 18687

Lab Code 5039239R
Sample ID TG1-2
Sample Matrix Water
Sample Date 4/1/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.38	ug/l	0.38	1.55	1	8260B		4/7/2021	CJR	1
Ethylbenzene	< 0.37	ug/l	0.37	1.51	1	8260B		4/7/2021	CJR	1
Toluene	< 0.42	ug/l	0.42	1.71	1	8260B		4/7/2021	CJR	1
m&p-Xylene	< 0.77	ug/l	0.77	3.14	1	8260B		4/7/2021	CJR	1
o-Xylene	< 0.44	ug/l	0.44	1.8	1	8260B		4/7/2021	CJR	1
PAH SIM										
Acenaphthene	20.0	ug/l	0.047	0.15	5	M8270C	4/6/2021	4/7/2021	NJC	1
Acenaphthylene	0.134 "J"	ug/l	0.078	0.2475	5	M8270C	4/6/2021	4/7/2021	NJC	1
Anthracene	0.216 "J"	ug/l	0.075	0.239	5	M8270C	4/6/2021	4/7/2021	NJC	1
Benzo(a)anthracene	0.141 "J"	ug/l	0.1	0.335	5	M8270C	4/6/2021	4/7/2021	NJC	1
Benzo(a)pyrene	< 0.0835	ug/l	0.0835	0.2655	5	M8270C	4/6/2021	4/7/2021	NJC	1
Benzo(b)fluoranthene	< 0.08	ug/l	0.08	0.2545	5	M8270C	4/6/2021	4/7/2021	NJC	1
Benzo(g,h,i)perylene	< 0.071	ug/l	0.071	0.2255	5	M8270C	4/6/2021	4/7/2021	NJC	1
Benzo(k)fluoranthene	< 0.073	ug/l	0.073	0.2315	5	M8270C	4/6/2021	4/7/2021	NJC	1
Chrysene	< 0.0785	ug/l	0.0785	0.2495	5	M8270C	4/6/2021	4/7/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.0865	ug/l	0.0865	0.2745	5	M8270C	4/6/2021	4/7/2021	NJC	1
Fluoranthene	1.18	ug/l	0.044	0.1405	5	M8270C	4/6/2021	4/7/2021	NJC	1
Fluorene	2.76	ug/l	0.0395	0.1255	5	M8270C	4/6/2021	4/7/2021	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0605	ug/l	0.0605	0.1925	5	M8270C	4/6/2021	4/7/2021	NJC	1
1-Methyl naphthalene	0.194 "J"	ug/l	0.0955	0.3045	5	M8270C	4/6/2021	4/7/2021	NJC	1
2-Methyl naphthalene	< 0.093	ug/l	0.093	0.295	5	M8270C	4/6/2021	4/7/2021	NJC	1
Naphthalene	< 0.15	ug/l	0.15	0.5	5	M8270C	4/6/2021	4/7/2021	NJC	1
Phenanthrene	< 0.0715	ug/l	0.0715	0.228	5	M8270C	4/6/2021	4/7/2021	NJC	1
Pyrene	0.76	ug/l	0.0605	0.193	5	M8270C	4/6/2021	4/7/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39239
Project # 18687

Lab Code 5039239S
Sample ID TG1-3
Sample Matrix Water
Sample Date 4/1/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.38	ug/l	0.38	1.55	1	8260B		4/7/2021	CJR	1
Ethylbenzene	< 0.37	ug/l	0.37	1.51	1	8260B		4/7/2021	CJR	1
Toluene	< 0.42	ug/l	0.42	1.71	1	8260B		4/7/2021	CJR	1
m&p-Xylene	< 0.77	ug/l	0.77	3.14	1	8260B		4/7/2021	CJR	1
o-Xylene	< 0.44	ug/l	0.44	1.8	1	8260B		4/7/2021	CJR	1
PAH SIM										
Acenaphthene	1.50	ug/l	0.0094	0.03	1	M8270C	4/7/2021	4/7/2021	NJC	1
Acenaphthylene	0.0162 "J"	ug/l	0.0156	0.0495	1	M8270C	4/7/2021	4/7/2021	NJC	1
Anthracene	0.063	ug/l	0.015	0.0478	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	4/7/2021	4/7/2021	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	4/7/2021	4/7/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	4/7/2021	4/7/2021	NJC	1
Fluoranthene	0.033	ug/l	0.0088	0.0281	1	M8270C	4/7/2021	4/7/2021	NJC	1
Fluorene	0.064	ug/l	0.0079	0.0251	1	M8270C	4/7/2021	4/7/2021	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	4/7/2021	4/7/2021	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	4/7/2021	4/7/2021	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	4/7/2021	4/7/2021	NJC	1
Naphthalene	< 0.03	ug/l	0.03	0.1	1	M8270C	4/7/2021	4/7/2021	NJC	1
Phenanthrene	< 0.0143	ug/l	0.0143	0.0456	1	M8270C	4/7/2021	4/7/2021	NJC	1
Pyrene	0.0199 "J"	ug/l	0.0121	0.0386	1	M8270C	4/7/2021	4/7/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39239
Project # 18687

Lab Code 5039239T
Sample ID MW-35S
Sample Matrix Water
Sample Date 4/1/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.38	ug/l	0.38	1.55	1	8260B		4/6/2021	CJR	1
Ethylbenzene	< 0.37	ug/l	0.37	1.51	1	8260B		4/6/2021	CJR	1
Toluene	< 0.42	ug/l	0.42	1.71	1	8260B		4/6/2021	CJR	1
m&p-Xylene	< 0.77	ug/l	0.77	3.14	1	8260B		4/6/2021	CJR	1
o-Xylene	< 0.44	ug/l	0.44	1.8	1	8260B		4/6/2021	CJR	1
PAH SIM										
Acenaphthene	2.16	ug/l	0.0094	0.03	1	M8270C	4/7/2021	4/7/2021	NJC	1
Acenaphthylene	0.027 "J"	ug/l	0.0156	0.0495	1	M8270C	4/7/2021	4/7/2021	NJC	1
Anthracene	0.103	ug/l	0.015	0.0478	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(a)anthracene	0.0298 "J"	ug/l	0.02	0.067	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	4/7/2021	4/7/2021	NJC	1
Chrysene	0.0189 "J"	ug/l	0.0157	0.0499	1	M8270C	4/7/2021	4/7/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	4/7/2021	4/7/2021	NJC	1
Fluoranthene	0.243	ug/l	0.0088	0.0281	1	M8270C	4/7/2021	4/7/2021	NJC	1
Fluorene	0.106	ug/l	0.0079	0.0251	1	M8270C	4/7/2021	4/7/2021	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	4/7/2021	4/7/2021	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	4/7/2021	4/7/2021	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	4/7/2021	4/7/2021	NJC	1
Naphthalene	0.035 "J"	ug/l	0.03	0.1	1	M8270C	4/7/2021	4/7/2021	NJC	1
Phenanthrene	0.0164 "J"	ug/l	0.0143	0.0456	1	M8270C	4/7/2021	4/7/2021	NJC	1
Pyrene	0.153	ug/l	0.0121	0.0386	1	M8270C	4/7/2021	4/7/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39239
Project # 18687

Lab Code 5039239U
Sample ID TG3-1
Sample Matrix Water
Sample Date 4/1/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.38	ug/l	0.38	1.55	1	8260B		4/7/2021	CJR	1
Ethylbenzene	< 0.37	ug/l	0.37	1.51	1	8260B		4/7/2021	CJR	1
Toluene	< 0.42	ug/l	0.42	1.71	1	8260B		4/7/2021	CJR	1
m&p-Xylene	< 0.77	ug/l	0.77	3.14	1	8260B		4/7/2021	CJR	1
o-Xylene	< 0.44	ug/l	0.44	1.8	1	8260B		4/7/2021	CJR	1
PAH SIM										
Acenaphthene	0.14	ug/l	0.0094	0.03	1	M8270C	4/7/2021	4/7/2021	NJC	1
Acenaphthylene	0.0157 "J"	ug/l	0.0156	0.0495	1	M8270C	4/7/2021	4/7/2021	NJC	1
Anthracene	0.145	ug/l	0.015	0.0478	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	4/7/2021	4/7/2021	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	4/7/2021	4/7/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	4/7/2021	4/7/2021	NJC	1
Fluoranthene	0.033	ug/l	0.0088	0.0281	1	M8270C	4/7/2021	4/7/2021	NJC	1
Fluorene	0.042	ug/l	0.0079	0.0251	1	M8270C	4/7/2021	4/7/2021	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	4/7/2021	4/7/2021	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	4/7/2021	4/7/2021	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	4/7/2021	4/7/2021	NJC	1
Naphthalene	< 0.03	ug/l	0.03	0.1	1	M8270C	4/7/2021	4/7/2021	NJC	1
Phenanthrene	0.0175 "J"	ug/l	0.0143	0.0456	1	M8270C	4/7/2021	4/7/2021	NJC	1
Pyrene	0.0277 "J"	ug/l	0.0121	0.0386	1	M8270C	4/7/2021	4/7/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39239
Project # 18687

Lab Code 5039239V
Sample ID TG3-2
Sample Matrix Water
Sample Date 4/1/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.38	ug/l	0.38	1.55	1	8260B		4/7/2021	CJR	1
Ethylbenzene	< 0.37	ug/l	0.37	1.51	1	8260B		4/7/2021	CJR	1
Toluene	< 0.42	ug/l	0.42	1.71	1	8260B		4/7/2021	CJR	1
m&p-Xylene	< 0.77	ug/l	0.77	3.14	1	8260B		4/7/2021	CJR	1
o-Xylene	< 0.44	ug/l	0.44	1.8	1	8260B		4/7/2021	CJR	1
PAH SIM										
Acenaphthene	0.114	ug/l	0.0094	0.03	1	M8270C	4/7/2021	4/7/2021	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	4/7/2021	4/7/2021	NJC	1
Anthracene	0.086	ug/l	0.015	0.0478	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(a)anthracene	0.0233 "J"	ug/l	0.02	0.067	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	4/7/2021	4/7/2021	NJC	1
Chrysene	0.0176 "J"	ug/l	0.0157	0.0499	1	M8270C	4/7/2021	4/7/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	4/7/2021	4/7/2021	NJC	1
Fluoranthene	0.058	ug/l	0.0088	0.0281	1	M8270C	4/7/2021	4/7/2021	NJC	1
Fluorene	0.009 "J"	ug/l	0.0079	0.0251	1	M8270C	4/7/2021	4/7/2021	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	4/7/2021	4/7/2021	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	4/7/2021	4/7/2021	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	4/7/2021	4/7/2021	NJC	1
Naphthalene	< 0.03	ug/l	0.03	0.1	1	M8270C	4/7/2021	4/7/2021	NJC	1
Phenanthrene	0.0175 "J"	ug/l	0.0143	0.0456	1	M8270C	4/7/2021	4/7/2021	NJC	1
Pyrene	0.043	ug/l	0.0121	0.0386	1	M8270C	4/7/2021	4/7/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39239
Project # 18687

Lab Code 5039239W
Sample ID TG3-3
Sample Matrix Water
Sample Date 4/1/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.38	ug/l	0.38	1.55	1	8260B		4/7/2021	CJR	1
Ethylbenzene	< 0.37	ug/l	0.37	1.51	1	8260B		4/7/2021	CJR	1
Toluene	< 0.42	ug/l	0.42	1.71	1	8260B		4/7/2021	CJR	1
m&p-Xylene	< 0.77	ug/l	0.77	3.14	1	8260B		4/7/2021	CJR	1
o-Xylene	< 0.44	ug/l	0.44	1.8	1	8260B		4/7/2021	CJR	1
PAH SIM										
Acenaphthene	0.301	ug/l	0.0094	0.03	1	M8270C	4/7/2021	4/7/2021	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	4/7/2021	4/7/2021	NJC	1
Anthracene	0.098	ug/l	0.015	0.0478	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	4/7/2021	4/7/2021	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	4/7/2021	4/7/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	4/7/2021	4/7/2021	NJC	1
Fluoranthene	0.042	ug/l	0.0088	0.0281	1	M8270C	4/7/2021	4/7/2021	NJC	1
Fluorene	0.0176 "J"	ug/l	0.0079	0.0251	1	M8270C	4/7/2021	4/7/2021	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	4/7/2021	4/7/2021	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	4/7/2021	4/7/2021	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	4/7/2021	4/7/2021	NJC	1
Naphthalene	< 0.03	ug/l	0.03	0.1	1	M8270C	4/7/2021	4/7/2021	NJC	1
Phenanthrene	0.081	ug/l	0.0143	0.0456	1	M8270C	4/7/2021	4/7/2021	NJC	1
Pyrene	0.0313 "J"	ug/l	0.0121	0.0386	1	M8270C	4/7/2021	4/7/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39239
Project # 18687

Lab Code 5039239X
Sample ID TG4-1
Sample Matrix Water
Sample Date 4/1/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.38	ug/l	0.38	1.55	1	8260B		4/7/2021	CJR	1
Ethylbenzene	< 0.37	ug/l	0.37	1.51	1	8260B		4/7/2021	CJR	1
Toluene	< 0.42	ug/l	0.42	1.71	1	8260B		4/7/2021	CJR	1
m&p-Xylene	< 0.77	ug/l	0.77	3.14	1	8260B		4/7/2021	CJR	1
o-Xylene	< 0.44	ug/l	0.44	1.8	1	8260B		4/7/2021	CJR	1
PAH SIM										
Acenaphthene	< 0.0094	ug/l	0.0094	0.03	1	M8270C	4/7/2021	4/7/2021	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	4/7/2021	4/7/2021	NJC	1
Anthracene	0.06	ug/l	0.015	0.0478	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	4/7/2021	4/7/2021	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	4/7/2021	4/7/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	4/7/2021	4/7/2021	NJC	1
Fluoranthene	0.0109 "J"	ug/l	0.0088	0.0281	1	M8270C	4/7/2021	4/7/2021	NJC	1
Fluorene	< 0.0079	ug/l	0.0079	0.0251	1	M8270C	4/7/2021	4/7/2021	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	4/7/2021	4/7/2021	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	4/7/2021	4/7/2021	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	4/7/2021	4/7/2021	NJC	1
Naphthalene	< 0.03	ug/l	0.03	0.1	1	M8270C	4/7/2021	4/7/2021	NJC	1
Phenanthrene	< 0.0143	ug/l	0.0143	0.0456	1	M8270C	4/7/2021	4/7/2021	NJC	1
Pyrene	< 0.0121	ug/l	0.0121	0.0386	1	M8270C	4/7/2021	4/7/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39239
Project # 18687

Lab Code 5039239Y
Sample ID TG4-2
Sample Matrix Water
Sample Date 4/1/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.38	ug/l	0.38	1.55	1	8260B		4/7/2021	CJR	1
Ethylbenzene	< 0.37	ug/l	0.37	1.51	1	8260B		4/7/2021	CJR	1
Toluene	< 0.42	ug/l	0.42	1.71	1	8260B		4/7/2021	CJR	1
m&p-Xylene	< 0.77	ug/l	0.77	3.14	1	8260B		4/7/2021	CJR	1
o-Xylene	< 0.44	ug/l	0.44	1.8	1	8260B		4/7/2021	CJR	1
PAH SIM										
Acenaphthene	0.253	ug/l	0.0094	0.03	1	M8270C	4/7/2021	4/7/2021	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	4/7/2021	4/7/2021	NJC	1
Anthracene	0.099	ug/l	0.015	0.0478	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	4/7/2021	4/7/2021	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	4/7/2021	4/7/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	4/7/2021	4/7/2021	NJC	1
Fluoranthene	0.099	ug/l	0.0088	0.0281	1	M8270C	4/7/2021	4/7/2021	NJC	1
Fluorene	0.008 "J"	ug/l	0.0079	0.0251	1	M8270C	4/7/2021	4/7/2021	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	4/7/2021	4/7/2021	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	4/7/2021	4/7/2021	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	4/7/2021	4/7/2021	NJC	1
Naphthalene	< 0.03	ug/l	0.03	0.1	1	M8270C	4/7/2021	4/7/2021	NJC	1
Phenanthrene	0.0155 "J"	ug/l	0.0143	0.0456	1	M8270C	4/7/2021	4/7/2021	NJC	1
Pyrene	0.082	ug/l	0.0121	0.0386	1	M8270C	4/7/2021	4/7/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39239
Project # 18687

Lab Code 5039239Z
Sample ID TG4-3
Sample Matrix Water
Sample Date 4/1/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.38	ug/l	0.38	1.55	1	8260B		4/7/2021	CJR	1
Ethylbenzene	< 0.37	ug/l	0.37	1.51	1	8260B		4/7/2021	CJR	1
Toluene	< 0.42	ug/l	0.42	1.71	1	8260B		4/7/2021	CJR	1
m&p-Xylene	< 0.77	ug/l	0.77	3.14	1	8260B		4/7/2021	CJR	1
o-Xylene	< 0.44	ug/l	0.44	1.8	1	8260B		4/7/2021	CJR	1
PAH SIM										
Acenaphthene	< 0.0094	ug/l	0.0094	0.03	1	M8270C	4/7/2021	4/7/2021	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	4/7/2021	4/7/2021	NJC	1
Anthracene	0.086	ug/l	0.015	0.0478	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	4/7/2021	4/7/2021	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	4/7/2021	4/7/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	4/7/2021	4/7/2021	NJC	1
Fluoranthene	0.0249 "J"	ug/l	0.0088	0.0281	1	M8270C	4/7/2021	4/7/2021	NJC	1
Fluorene	< 0.0079	ug/l	0.0079	0.0251	1	M8270C	4/7/2021	4/7/2021	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	4/7/2021	4/7/2021	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	4/7/2021	4/7/2021	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	4/7/2021	4/7/2021	NJC	1
Naphthalene	< 0.03	ug/l	0.03	0.1	1	M8270C	4/7/2021	4/7/2021	NJC	1
Phenanthrene	< 0.0143	ug/l	0.0143	0.0456	1	M8270C	4/7/2021	4/7/2021	NJC	1
Pyrene	0.0211 "J"	ug/l	0.0121	0.0386	1	M8270C	4/7/2021	4/7/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39239
Project # 18687

Lab Code 539239AA
Sample ID MW-30S
Sample Matrix Water
Sample Date 4/1/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.38	ug/l	0.38	1.55	1	8260B		4/7/2021	CJR	1
Ethylbenzene	< 0.37	ug/l	0.37	1.51	1	8260B		4/7/2021	CJR	1
Toluene	< 0.42	ug/l	0.42	1.71	1	8260B		4/7/2021	CJR	1
m&p-Xylene	< 0.77	ug/l	0.77	3.14	1	8260B		4/7/2021	CJR	1
o-Xylene	< 0.44	ug/l	0.44	1.8	1	8260B		4/7/2021	CJR	1
PAH SIM										
Acenaphthene	< 0.0094	ug/l	0.0094	0.03	1	M8270C	4/7/2021	4/7/2021	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	4/7/2021	4/7/2021	NJC	1
Anthracene	0.142	ug/l	0.015	0.0478	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	4/7/2021	4/7/2021	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	4/7/2021	4/7/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	4/7/2021	4/7/2021	NJC	1
Fluoranthene	0.0094 "J"	ug/l	0.0088	0.0281	1	M8270C	4/7/2021	4/7/2021	NJC	1
Fluorene	< 0.0079	ug/l	0.0079	0.0251	1	M8270C	4/7/2021	4/7/2021	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	4/7/2021	4/7/2021	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	4/7/2021	4/7/2021	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	4/7/2021	4/7/2021	NJC	1
Naphthalene	< 0.03	ug/l	0.03	0.1	1	M8270C	4/7/2021	4/7/2021	NJC	1
Phenanthrene	< 0.0143	ug/l	0.0143	0.0456	1	M8270C	4/7/2021	4/7/2021	NJC	1
Pyrene	< 0.0121	ug/l	0.0121	0.0386	1	M8270C	4/7/2021	4/7/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39239
Project # 18687

Lab Code 539239BB
Sample ID MW-5S
Sample Matrix Water
Sample Date 4/1/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.38	ug/l	0.38	1.55	1	8260B		4/7/2021	CJR	1
Ethylbenzene	< 0.37	ug/l	0.37	1.51	1	8260B		4/7/2021	CJR	1
Toluene	< 0.42	ug/l	0.42	1.71	1	8260B		4/7/2021	CJR	1
m&p-Xylene	< 0.77	ug/l	0.77	3.14	1	8260B		4/7/2021	CJR	1
o-Xylene	< 0.44	ug/l	0.44	1.8	1	8260B		4/7/2021	CJR	1
PAH SIM										
Acenaphthene	< 0.0094	ug/l	0.0094	0.03	1	M8270C	4/7/2021	4/7/2021	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	4/7/2021	4/7/2021	NJC	1
Anthracene	0.0166 "J"	ug/l	0.015	0.0478	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	4/7/2021	4/7/2021	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	4/7/2021	4/7/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	4/7/2021	4/7/2021	NJC	1
Fluoranthene	< 0.0088	ug/l	0.0088	0.0281	1	M8270C	4/7/2021	4/7/2021	NJC	1
Fluorene	< 0.0079	ug/l	0.0079	0.0251	1	M8270C	4/7/2021	4/7/2021	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	4/7/2021	4/7/2021	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	4/7/2021	4/7/2021	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	4/7/2021	4/7/2021	NJC	1
Naphthalene	< 0.03	ug/l	0.03	0.1	1	M8270C	4/7/2021	4/7/2021	NJC	1
Phenanthrene	< 0.0143	ug/l	0.0143	0.0456	1	M8270C	4/7/2021	4/7/2021	NJC	1
Pyrene	< 0.0121	ug/l	0.0121	0.0386	1	M8270C	4/7/2021	4/7/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39239
Project # 18687

Lab Code 539239CC
Sample ID PZ-10
Sample Matrix Water
Sample Date 4/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.38	ug/l	0.38	1.55	1	8260B		4/8/2021	CJR	1
Ethylbenzene	< 0.37	ug/l	0.37	1.51	1	8260B		4/8/2021	CJR	1
Toluene	< 0.42	ug/l	0.42	1.71	1	8260B		4/8/2021	CJR	1
m&p-Xylene	< 0.77	ug/l	0.77	3.14	1	8260B		4/8/2021	CJR	1
o-Xylene	< 0.44	ug/l	0.44	1.8	1	8260B		4/8/2021	CJR	1
PAH SIM										
Acenaphthene	3.60	ug/l	0.0094	0.03	1	M8270C	4/7/2021	4/7/2021	NJC	1
Acenaphthylene	0.0306 "J"	ug/l	0.0156	0.0495	1	M8270C	4/7/2021	4/7/2021	NJC	1
Anthracene	0.128	ug/l	0.015	0.0478	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	4/7/2021	4/7/2021	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	4/7/2021	4/7/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	4/7/2021	4/7/2021	NJC	1
Fluoranthene	0.032	ug/l	0.0088	0.0281	1	M8270C	4/7/2021	4/7/2021	NJC	1
Fluorene	0.74	ug/l	0.0079	0.0251	1	M8270C	4/7/2021	4/7/2021	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	4/7/2021	4/7/2021	NJC	1
1-Methyl naphthalene	0.079	ug/l	0.0191	0.0609	1	M8270C	4/7/2021	4/7/2021	NJC	1
2-Methyl naphthalene	0.0233 "J"	ug/l	0.0186	0.059	1	M8270C	4/7/2021	4/7/2021	NJC	1
Naphthalene	< 0.03	ug/l	0.03	0.1	1	M8270C	4/7/2021	4/7/2021	NJC	1
Phenanthrene	0.0263 "J"	ug/l	0.0143	0.0456	1	M8270C	4/7/2021	4/7/2021	NJC	1
Pyrene	0.0223 "J"	ug/l	0.0121	0.0386	1	M8270C	4/7/2021	4/7/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39239
Project # 18687

Lab Code 539239DD
Sample ID PZ-02
Sample Matrix Water
Sample Date 4/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.38	ug/l	0.38	1.55	1	8260B		4/8/2021	CJR	1
Ethylbenzene	< 0.37	ug/l	0.37	1.51	1	8260B		4/8/2021	CJR	1
Toluene	< 0.42	ug/l	0.42	1.71	1	8260B		4/8/2021	CJR	1
m&p-Xylene	< 0.77	ug/l	0.77	3.14	1	8260B		4/8/2021	CJR	1
o-Xylene	< 0.44	ug/l	0.44	1.8	1	8260B		4/8/2021	CJR	1
PAH SIM										
Acenaphthene	132	ug/l	0.188	0.6	20	M8270C	4/7/2021	4/8/2021	NJC	1
Acenaphthylene	1.36	ug/l	0.312	0.99	20	M8270C	4/7/2021	4/8/2021	NJC	1
Anthracene	< 0.30	ug/l	0.3	0.956	20	M8270C	4/7/2021	4/8/2021	NJC	1
Benzo(a)anthracene	< 0.40	ug/l	0.4	1.34	20	M8270C	4/7/2021	4/8/2021	NJC	1
Benzo(a)pyrene	< 0.334	ug/l	0.334	1.062	20	M8270C	4/7/2021	4/8/2021	NJC	1
Benzo(b)fluoranthene	< 0.32	ug/l	0.32	1.018	20	M8270C	4/7/2021	4/8/2021	NJC	1
Benzo(g,h,i)perylene	< 0.284	ug/l	0.284	0.902	20	M8270C	4/7/2021	4/8/2021	NJC	1
Benzo(k)fluoranthene	< 0.292	ug/l	0.292	0.926	20	M8270C	4/7/2021	4/8/2021	NJC	1
Chrysene	< 0.314	ug/l	0.314	0.998	20	M8270C	4/7/2021	4/8/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.346	ug/l	0.346	1.098	20	M8270C	4/7/2021	4/8/2021	NJC	1
Fluoranthene	< 0.176	ug/l	0.176	0.562	20	M8270C	4/7/2021	4/8/2021	NJC	1
Fluorene	48.0	ug/l	0.158	0.502	20	M8270C	4/7/2021	4/8/2021	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.242	ug/l	0.242	0.77	20	M8270C	4/7/2021	4/8/2021	NJC	1
1-Methyl naphthalene	4.40	ug/l	0.382	1.218	20	M8270C	4/7/2021	4/8/2021	NJC	1
2-Methyl naphthalene	< 0.372	ug/l	0.372	1.18	20	M8270C	4/7/2021	4/8/2021	NJC	1
Naphthalene	9.70	ug/l	0.6	2	20	M8270C	4/7/2021	4/8/2021	NJC	1
Phenanthrene	< 0.286	ug/l	0.286	0.912	20	M8270C	4/7/2021	4/8/2021	NJC	1
Pyrene	< 0.242	ug/l	0.242	0.772	20	M8270C	4/7/2021	4/8/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39239
Project # 18687

Lab Code 539239EE
Sample ID PZ-03
Sample Matrix Water
Sample Date 4/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.38	ug/l	0.38	1.55	1	8260B		4/8/2021	CJR	1
Ethylbenzene	0.75 "J"	ug/l	0.37	1.51	1	8260B		4/8/2021	CJR	1
Toluene	< 0.42	ug/l	0.42	1.71	1	8260B		4/8/2021	CJR	1
m&p-Xylene	0.96 "J"	ug/l	0.77	3.14	1	8260B		4/8/2021	CJR	1
o-Xylene	1.05 "J"	ug/l	0.44	1.8	1	8260B		4/8/2021	CJR	1
PAH SIM										
Acenaphthene	56.0	ug/l	0.094	0.3	10	M8270C	4/7/2021	4/7/2021	NJC	1
Acenaphthylene	0.61	ug/l	0.156	0.495	10	M8270C	4/7/2021	4/7/2021	NJC	1
Anthracene	0.49	ug/l	0.15	0.478	10	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(a)anthracene	< 0.2	ug/l	0.2	0.67	10	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(a)pyrene	< 0.167	ug/l	0.167	0.531	10	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(b)fluoranthene	< 0.16	ug/l	0.16	0.509	10	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(g,h,i)perylene	< 0.142	ug/l	0.142	0.451	10	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(k)fluoranthene	< 0.146	ug/l	0.146	0.463	10	M8270C	4/7/2021	4/7/2021	NJC	1
Chrysene	< 0.157	ug/l	0.157	0.499	10	M8270C	4/7/2021	4/7/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.173	ug/l	0.173	0.549	10	M8270C	4/7/2021	4/7/2021	NJC	1
Fluoranthene	0.43	ug/l	0.088	0.281	10	M8270C	4/7/2021	4/7/2021	NJC	1
Fluorene	18.5	ug/l	0.079	0.251	10	M8270C	4/7/2021	4/7/2021	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.121	ug/l	0.121	0.385	10	M8270C	4/7/2021	4/7/2021	NJC	1
1-Methyl naphthalene	34.0	ug/l	0.191	0.609	10	M8270C	4/7/2021	4/7/2021	NJC	1
2-Methyl naphthalene	0.48 "J"	ug/l	0.186	0.59	10	M8270C	4/7/2021	4/7/2021	NJC	1
Naphthalene	13.3	ug/l	0.3	1	10	M8270C	4/7/2021	4/7/2021	NJC	1
Phenanthrene	2.70	ug/l	0.143	0.456	10	M8270C	4/7/2021	4/7/2021	NJC	1
Pyrene	0.277 "J"	ug/l	0.121	0.386	10	M8270C	4/7/2021	4/7/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39239
Project # 18687

Lab Code 539239FF
Sample ID MW-7S
Sample Matrix Water
Sample Date 4/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.38	ug/l	0.38	1.55	1	8260B		4/8/2021	CJR	1
Ethylbenzene	< 0.37	ug/l	0.37	1.51	1	8260B		4/8/2021	CJR	1
Toluene	< 0.42	ug/l	0.42	1.71	1	8260B		4/8/2021	CJR	1
m&p-Xylene	< 0.77	ug/l	0.77	3.14	1	8260B		4/8/2021	CJR	1
o-Xylene	< 0.44	ug/l	0.44	1.8	1	8260B		4/8/2021	CJR	1
PAH SIM										
Acenaphthene	0.85	ug/l	0.0094	0.03	1	M8270C	4/7/2021	4/7/2021	NJC	1
Acenaphthylene	0.0275 "J"	ug/l	0.0156	0.0495	1	M8270C	4/7/2021	4/7/2021	NJC	1
Anthracene	0.093	ug/l	0.015	0.0478	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	4/7/2021	4/7/2021	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	4/7/2021	4/7/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	4/7/2021	4/7/2021	NJC	1
Fluoranthene	0.0111 "J"	ug/l	0.0088	0.0281	1	M8270C	4/7/2021	4/7/2021	NJC	1
Fluorene	0.059	ug/l	0.0079	0.0251	1	M8270C	4/7/2021	4/7/2021	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	4/7/2021	4/7/2021	NJC	1
1-Methyl naphthalene	1.05	ug/l	0.0191	0.0609	1	M8270C	4/7/2021	4/7/2021	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	4/7/2021	4/7/2021	NJC	1
Naphthalene	0.147	ug/l	0.03	0.1	1	M8270C	4/7/2021	4/7/2021	NJC	1
Phenanthrene	0.0158 "J"	ug/l	0.0143	0.0456	1	M8270C	4/7/2021	4/7/2021	NJC	1
Pyrene	< 0.0121	ug/l	0.0121	0.0386	1	M8270C	4/7/2021	4/7/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39239
Project # 18687

Lab Code 539239GG
Sample ID MW-7S-WR
Sample Matrix Water
Sample Date 4/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.38	ug/l	0.38	1.55	1	8260B		4/8/2021	CJR	1
Ethylbenzene	< 0.37	ug/l	0.37	1.51	1	8260B		4/8/2021	CJR	1
Toluene	< 0.42	ug/l	0.42	1.71	1	8260B		4/8/2021	CJR	1
m&p-Xylene	< 0.77	ug/l	0.77	3.14	1	8260B		4/8/2021	CJR	1
o-Xylene	< 0.44	ug/l	0.44	1.8	1	8260B		4/8/2021	CJR	1
PAH SIM										
Acenaphthene	1.18	ug/l	0.0094	0.03	1	M8270C	4/7/2021	4/7/2021	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	4/7/2021	4/7/2021	NJC	1
Anthracene	0.155	ug/l	0.015	0.0478	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(a)anthracene	0.047 "J"	ug/l	0.02	0.067	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(b)fluoranthene	0.0244 "J"	ug/l	0.016	0.0509	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	4/7/2021	4/7/2021	NJC	1
Chrysene	0.05 "J"	ug/l	0.0157	0.0499	1	M8270C	4/7/2021	4/7/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	4/7/2021	4/7/2021	NJC	1
Fluoranthene	0.41	ug/l	0.0088	0.0281	1	M8270C	4/7/2021	4/7/2021	NJC	1
Fluorene	0.98	ug/l	0.0079	0.0251	1	M8270C	4/7/2021	4/7/2021	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	4/7/2021	4/7/2021	NJC	1
1-Methyl naphthalene	0.036 "J"	ug/l	0.0191	0.0609	1	M8270C	4/7/2021	4/7/2021	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	4/7/2021	4/7/2021	NJC	1
Naphthalene	< 0.03	ug/l	0.03	0.1	1	M8270C	4/7/2021	4/7/2021	NJC	1
Phenanthrene	0.226	ug/l	0.0143	0.0456	1	M8270C	4/7/2021	4/7/2021	NJC	1
Pyrene	0.235	ug/l	0.0121	0.0386	1	M8270C	4/7/2021	4/7/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39239
Project # 18687

Lab Code 539239HH
Sample ID MW-32SR
Sample Matrix Water
Sample Date 4/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.38	ug/l	0.38	1.55	1	8260B		4/8/2021	CJR	1
Ethylbenzene	< 0.37	ug/l	0.37	1.51	1	8260B		4/8/2021	CJR	1
Toluene	< 0.42	ug/l	0.42	1.71	1	8260B		4/8/2021	CJR	1
m&p-Xylene	< 0.77	ug/l	0.77	3.14	1	8260B		4/8/2021	CJR	1
o-Xylene	< 0.44	ug/l	0.44	1.8	1	8260B		4/8/2021	CJR	1
PAH SIM										
Acenaphthene	0.0243 "J"	ug/l	0.0094	0.03	1	M8270C	4/7/2021	4/7/2021	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	4/7/2021	4/7/2021	NJC	1
Anthracene	0.089	ug/l	0.015	0.0478	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	4/7/2021	4/7/2021	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	4/7/2021	4/7/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	4/7/2021	4/7/2021	NJC	1
Fluoranthene	0.0264 "J"	ug/l	0.0088	0.0281	1	M8270C	4/7/2021	4/7/2021	NJC	1
Fluorene	0.0147 "J"	ug/l	0.0079	0.0251	1	M8270C	4/7/2021	4/7/2021	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	4/7/2021	4/7/2021	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	4/7/2021	4/7/2021	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	4/7/2021	4/7/2021	NJC	1
Naphthalene	< 0.03	ug/l	0.03	0.1	1	M8270C	4/7/2021	4/7/2021	NJC	1
Phenanthrene	< 0.0143	ug/l	0.0143	0.0456	1	M8270C	4/7/2021	4/7/2021	NJC	1
Pyrene	0.0168 "J"	ug/l	0.0121	0.0386	1	M8270C	4/7/2021	4/7/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39239
Project # 18687

Lab Code 539239II
Sample ID MW-33S
Sample Matrix Water
Sample Date 4/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.38	ug/l	0.38	1.55	1	8260B		4/8/2021	CJR	1
Ethylbenzene	< 0.37	ug/l	0.37	1.51	1	8260B		4/8/2021	CJR	1
Toluene	< 0.42	ug/l	0.42	1.71	1	8260B		4/8/2021	CJR	1
m&p-Xylene	< 0.77	ug/l	0.77	3.14	1	8260B		4/8/2021	CJR	1
o-Xylene	< 0.44	ug/l	0.44	1.8	1	8260B		4/8/2021	CJR	1
PAH SIM										
Acenaphthene	0.79	ug/l	0.0094	0.03	1	M8270C	4/7/2021	4/7/2021	NJC	1
Acenaphthylene	0.0193 "J"	ug/l	0.0156	0.0495	1	M8270C	4/7/2021	4/7/2021	NJC	1
Anthracene	0.209	ug/l	0.015	0.0478	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(b)fluoranthene	0.0207 "J"	ug/l	0.016	0.0509	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(g,h,i)perylene	0.0181 "J"	ug/l	0.0142	0.0451	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	4/7/2021	4/7/2021	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	4/7/2021	4/7/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	4/7/2021	4/7/2021	NJC	1
Fluoranthene	0.0262 "J"	ug/l	0.0088	0.0281	1	M8270C	4/7/2021	4/7/2021	NJC	1
Fluorene	0.44	ug/l	0.0079	0.0251	1	M8270C	4/7/2021	4/7/2021	NJC	1
Indeno(1,2,3-cd)pyrene	0.0135 "J"	ug/l	0.0121	0.0385	1	M8270C	4/7/2021	4/7/2021	NJC	1
1-Methyl naphthalene	0.212	ug/l	0.0191	0.0609	1	M8270C	4/7/2021	4/7/2021	NJC	1
2-Methyl naphthalene	0.103	ug/l	0.0186	0.059	1	M8270C	4/7/2021	4/7/2021	NJC	1
Naphthalene	1.00	ug/l	0.03	0.1	1	M8270C	4/7/2021	4/7/2021	NJC	1
Phenanthrene	0.218	ug/l	0.0143	0.0456	1	M8270C	4/7/2021	4/7/2021	NJC	1
Pyrene	0.0208 "J"	ug/l	0.0121	0.0386	1	M8270C	4/7/2021	4/7/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39239
Project # 18687

Lab Code 539239JJ
Sample ID MW-34SR
Sample Matrix Water
Sample Date 4/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 3.8	ug/l	3.8	15.5	10	8260B		4/8/2021	CJR	49
Ethylbenzene	< 3.7	ug/l	3.7	15.1	10	8260B		4/8/2021	CJR	49
Toluene	< 4.2	ug/l	4.2	17.1	10	8260B		4/8/2021	CJR	49
m&p-Xylene	< 7.7	ug/l	7.7	31.4	10	8260B		4/8/2021	CJR	49
o-Xylene	< 4.4	ug/l	4.4	18	10	8260B		4/8/2021	CJR	49
PAH SIM										
Acenaphthene	5.20	ug/l	0.0094	0.03	1	M8270C	4/7/2021	4/7/2021	NJC	1
Acenaphthylene	0.041 "J"	ug/l	0.0156	0.0495	1	M8270C	4/7/2021	4/7/2021	NJC	1
Anthracene	0.36	ug/l	0.015	0.0478	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(a)anthracene	0.0251 "J"	ug/l	0.02	0.067	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	4/7/2021	4/7/2021	NJC	1
Chrysene	0.018 "J"	ug/l	0.0157	0.0499	1	M8270C	4/7/2021	4/7/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	4/7/2021	4/7/2021	NJC	1
Fluoranthene	0.81	ug/l	0.0088	0.0281	1	M8270C	4/7/2021	4/7/2021	NJC	1
Fluorene	2.49	ug/l	0.0079	0.0251	1	M8270C	4/7/2021	4/7/2021	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	4/7/2021	4/7/2021	NJC	1
1-Methyl naphthalene	1.40	ug/l	0.0191	0.0609	1	M8270C	4/7/2021	4/7/2021	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	4/7/2021	4/7/2021	NJC	1
Naphthalene	0.202	ug/l	0.03	0.1	1	M8270C	4/7/2021	4/7/2021	NJC	1
Phenanthrene	0.56	ug/l	0.0143	0.0456	1	M8270C	4/7/2021	4/7/2021	NJC	1
Pyrene	0.49	ug/l	0.0121	0.0386	1	M8270C	4/7/2021	4/7/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39239
Project # 18687

Lab Code 539239KK
Sample ID MW-38S
Sample Matrix Water
Sample Date 4/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.38	ug/l	0.38	1.55	1	8260B		4/8/2021	CJR	1
Ethylbenzene	< 0.37	ug/l	0.37	1.51	1	8260B		4/8/2021	CJR	1
Toluene	< 0.42	ug/l	0.42	1.71	1	8260B		4/8/2021	CJR	1
m&p-Xylene	< 0.77	ug/l	0.77	3.14	1	8260B		4/8/2021	CJR	1
o-Xylene	< 0.44	ug/l	0.44	1.8	1	8260B		4/8/2021	CJR	1
PAH SIM										
Acenaphthene	2.21	ug/l	0.0094	0.03	1	M8270C	4/7/2021	4/7/2021	NJC	1
Acenaphthylene	0.053	ug/l	0.0156	0.0495	1	M8270C	4/7/2021	4/7/2021	NJC	1
Anthracene	0.147	ug/l	0.015	0.0478	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	4/7/2021	4/7/2021	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	4/7/2021	4/7/2021	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	4/7/2021	4/7/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	4/7/2021	4/7/2021	NJC	1
Fluoranthene	0.0103 "J"	ug/l	0.0088	0.0281	1	M8270C	4/7/2021	4/7/2021	NJC	1
Fluorene	0.064	ug/l	0.0079	0.0251	1	M8270C	4/7/2021	4/7/2021	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	4/7/2021	4/7/2021	NJC	1
1-Methyl naphthalene	1.90	ug/l	0.0191	0.0609	1	M8270C	4/7/2021	4/7/2021	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	4/7/2021	4/7/2021	NJC	1
Naphthalene	0.113	ug/l	0.03	0.1	1	M8270C	4/7/2021	4/7/2021	NJC	1
Phenanthrene	0.0279 "J"	ug/l	0.0143	0.0456	1	M8270C	4/7/2021	4/7/2021	NJC	1
Pyrene	< 0.0121	ug/l	0.0121	0.0386	1	M8270C	4/7/2021	4/7/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39239
Project # 18687

Lab Code 539239LL
Sample ID MW-39S
Sample Matrix Water
Sample Date 4/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.38	ug/l	0.38	1.55	1	8260B		4/8/2021	CJR	1
Ethylbenzene	< 0.37	ug/l	0.37	1.51	1	8260B		4/8/2021	CJR	1
Toluene	< 0.42	ug/l	0.42	1.71	1	8260B		4/8/2021	CJR	1
m&p-Xylene	< 0.77	ug/l	0.77	3.14	1	8260B		4/8/2021	CJR	1
o-Xylene	< 0.44	ug/l	0.44	1.8	1	8260B		4/8/2021	CJR	1
PAH SIM										
Acenaphthene	53.0	ug/l	0.188	0.6	20	M8270C	4/7/2021	4/8/2021	NJC	1
Acenaphthylene	0.36 "J"	ug/l	0.312	0.99	20	M8270C	4/7/2021	4/8/2021	NJC	1
Anthracene	< 0.30	ug/l	0.3	0.956	20	M8270C	4/7/2021	4/8/2021	NJC	1
Benzo(a)anthracene	< 0.40	ug/l	0.4	1.34	20	M8270C	4/7/2021	4/8/2021	NJC	1
Benzo(a)pyrene	< 0.334	ug/l	0.334	1.062	20	M8270C	4/7/2021	4/8/2021	NJC	1
Benzo(b)fluoranthene	< 0.32	ug/l	0.32	1.018	20	M8270C	4/7/2021	4/8/2021	NJC	1
Benzo(g,h,i)perylene	< 0.284	ug/l	0.284	0.902	20	M8270C	4/7/2021	4/8/2021	NJC	1
Benzo(k)fluoranthene	< 0.292	ug/l	0.292	0.926	20	M8270C	4/7/2021	4/8/2021	NJC	1
Chrysene	< 0.314	ug/l	0.314	0.998	20	M8270C	4/7/2021	4/8/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.346	ug/l	0.346	1.098	20	M8270C	4/7/2021	4/8/2021	NJC	1
Fluoranthene	< 0.176	ug/l	0.176	0.562	20	M8270C	4/7/2021	4/8/2021	NJC	1
Fluorene	2.87	ug/l	0.158	0.502	20	M8270C	4/7/2021	4/8/2021	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.242	ug/l	0.242	0.77	20	M8270C	4/7/2021	4/8/2021	NJC	1
1-Methyl naphthalene	< 0.382	ug/l	0.382	1.218	20	M8270C	4/7/2021	4/8/2021	NJC	1
2-Methyl naphthalene	< 0.372	ug/l	0.372	1.18	20	M8270C	4/7/2021	4/8/2021	NJC	1
Naphthalene	< 0.60	ug/l	0.6	2	20	M8270C	4/7/2021	4/8/2021	NJC	1
Phenanthrene	< 0.286	ug/l	0.286	0.912	20	M8270C	4/7/2021	4/8/2021	NJC	1
Pyrene	< 0.242	ug/l	0.242	0.772	20	M8270C	4/7/2021	4/8/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39239
Project # 18687

Lab Code 539239MM
Sample ID MW-D
Sample Matrix Water
Sample Date 4/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.38	ug/l	0.38	1.55	1	8260B		4/8/2021	CJR	1
Ethylbenzene	< 0.37	ug/l	0.37	1.51	1	8260B		4/8/2021	CJR	1
Toluene	< 0.42	ug/l	0.42	1.71	1	8260B		4/8/2021	CJR	1
m&p-Xylene	< 0.77	ug/l	0.77	3.14	1	8260B		4/8/2021	CJR	1
o-Xylene	< 0.44	ug/l	0.44	1.8	1	8260B		4/8/2021	CJR	1
PAH SIM										
Acenaphthene	< 0.0094	ug/l	0.0094	0.03	1	M8270C	4/8/2021	4/8/2021	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	4/8/2021	4/8/2021	NJC	1
Anthracene	< 0.015	ug/l	0.015	0.0478	1	M8270C	4/8/2021	4/8/2021	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	4/8/2021	4/8/2021	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	4/8/2021	4/8/2021	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	4/8/2021	4/8/2021	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	4/8/2021	4/8/2021	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	4/8/2021	4/8/2021	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	4/8/2021	4/8/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	4/8/2021	4/8/2021	NJC	1
Fluoranthene	< 0.0088	ug/l	0.0088	0.0281	1	M8270C	4/8/2021	4/8/2021	NJC	1
Fluorene	< 0.0079	ug/l	0.0079	0.0251	1	M8270C	4/8/2021	4/8/2021	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	4/8/2021	4/8/2021	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	4/8/2021	4/8/2021	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	4/8/2021	4/8/2021	NJC	1
Naphthalene	< 0.03	ug/l	0.03	0.1	1	M8270C	4/8/2021	4/8/2021	NJC	1
Phenanthrene	< 0.0143	ug/l	0.0143	0.0456	1	M8270C	4/8/2021	4/8/2021	NJC	1
Pyrene	< 0.0121	ug/l	0.0121	0.0386	1	M8270C	4/8/2021	4/8/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39239
Project # 18687

Lab Code 539239NN
Sample ID MW-H
Sample Matrix Water
Sample Date 4/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.38	ug/l	0.38	1.55	1	8260B		4/8/2021	CJR	1
Ethylbenzene	< 0.37	ug/l	0.37	1.51	1	8260B		4/8/2021	CJR	1
Toluene	< 0.42	ug/l	0.42	1.71	1	8260B		4/8/2021	CJR	1
m&p-Xylene	< 0.77	ug/l	0.77	3.14	1	8260B		4/8/2021	CJR	1
o-Xylene	< 0.44	ug/l	0.44	1.8	1	8260B		4/8/2021	CJR	1
PAH SIM										
Acenaphthene	< 0.0094	ug/l	0.0094	0.03	1	M8270C	4/8/2021	4/8/2021	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	4/8/2021	4/8/2021	NJC	1
Anthracene	< 0.015	ug/l	0.015	0.0478	1	M8270C	4/8/2021	4/8/2021	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	4/8/2021	4/8/2021	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	4/8/2021	4/8/2021	NJC	1
Benzo(b)fluoranthene	0.0167 "J"	ug/l	0.016	0.0509	1	M8270C	4/8/2021	4/8/2021	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	4/8/2021	4/8/2021	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	4/8/2021	4/8/2021	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	4/8/2021	4/8/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	4/8/2021	4/8/2021	NJC	1
Fluoranthene	0.0185 "J"	ug/l	0.0088	0.0281	1	M8270C	4/8/2021	4/8/2021	NJC	1
Fluorene	< 0.0079	ug/l	0.0079	0.0251	1	M8270C	4/8/2021	4/8/2021	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	4/8/2021	4/8/2021	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	4/8/2021	4/8/2021	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	4/8/2021	4/8/2021	NJC	1
Naphthalene	< 0.03	ug/l	0.03	0.1	1	M8270C	4/8/2021	4/8/2021	NJC	1
Phenanthrene	< 0.0143	ug/l	0.0143	0.0456	1	M8270C	4/8/2021	4/8/2021	NJC	1
Pyrene	0.0162 "J"	ug/l	0.0121	0.0386	1	M8270C	4/8/2021	4/8/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39239
Project # 18687

Lab Code 539239OO
Sample ID MW-I
Sample Matrix Water
Sample Date 4/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.38	ug/l	0.38	1.55	1	8260B		4/8/2021	CJR	1
Ethylbenzene	< 0.37	ug/l	0.37	1.51	1	8260B		4/8/2021	CJR	1
Toluene	< 0.42	ug/l	0.42	1.71	1	8260B		4/8/2021	CJR	1
m&p-Xylene	< 0.77	ug/l	0.77	3.14	1	8260B		4/8/2021	CJR	1
o-Xylene	< 0.44	ug/l	0.44	1.8	1	8260B		4/8/2021	CJR	1
PAH SIM										
Acenaphthene	< 0.0094	ug/l	0.0094	0.03	1	M8270C	4/8/2021	4/8/2021	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	4/8/2021	4/8/2021	NJC	1
Anthracene	< 0.015	ug/l	0.015	0.0478	1	M8270C	4/8/2021	4/8/2021	NJC	1
Benzo(a)anthracene	0.028 "J"	ug/l	0.02	0.067	1	M8270C	4/8/2021	4/8/2021	NJC	1
Benzo(a)pyrene	0.061	ug/l	0.0167	0.0531	1	M8270C	4/8/2021	4/8/2021	NJC	1
Benzo(b)fluoranthene	0.106	ug/l	0.016	0.0509	1	M8270C	4/8/2021	4/8/2021	NJC	1
Benzo(g,h,i)perylene	0.103	ug/l	0.0142	0.0451	1	M8270C	4/8/2021	4/8/2021	NJC	1
Benzo(k)fluoranthene	0.039 "J"	ug/l	0.0146	0.0463	1	M8270C	4/8/2021	4/8/2021	NJC	1
Chrysene	0.058	ug/l	0.0157	0.0499	1	M8270C	4/8/2021	4/8/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	4/8/2021	4/8/2021	NJC	1
Fluoranthene	0.10	ug/l	0.0088	0.0281	1	M8270C	4/8/2021	4/8/2021	NJC	1
Fluorene	< 0.0079	ug/l	0.0079	0.0251	1	M8270C	4/8/2021	4/8/2021	NJC	1
Indeno(1,2,3-cd)pyrene	0.062	ug/l	0.0121	0.0385	1	M8270C	4/8/2021	4/8/2021	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	4/8/2021	4/8/2021	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	4/8/2021	4/8/2021	NJC	1
Naphthalene	< 0.03	ug/l	0.03	0.1	1	M8270C	4/8/2021	4/8/2021	NJC	1
Phenanthrene	0.033 "J"	ug/l	0.0143	0.0456	1	M8270C	4/8/2021	4/8/2021	NJC	1
Pyrene	0.09	ug/l	0.0121	0.0386	1	M8270C	4/8/2021	4/8/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39239
Project # 18687

Lab Code 539239PP
Sample ID DUPLICATE 01
Sample Matrix Water
Sample Date 3/31/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.38	ug/l	0.38	1.55	1	8260B		4/8/2021	CJR	1
Ethylbenzene	< 0.37	ug/l	0.37	1.51	1	8260B		4/8/2021	CJR	1
Toluene	< 0.42	ug/l	0.42	1.71	1	8260B		4/8/2021	CJR	1
m&p-Xylene	< 0.77	ug/l	0.77	3.14	1	8260B		4/8/2021	CJR	1
o-Xylene	< 0.44	ug/l	0.44	1.8	1	8260B		4/8/2021	CJR	1
PAH SIM										
Acenaphthene	0.0142 "J"	ug/l	0.0094	0.03	1	M8270C	4/6/2021	4/6/2021	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	4/6/2021	4/6/2021	NJC	1
Anthracene	0.055	ug/l	0.015	0.0478	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	4/6/2021	4/6/2021	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	4/6/2021	4/6/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	4/6/2021	4/6/2021	NJC	1
Fluoranthene	0.048	ug/l	0.0088	0.0281	1	M8270C	4/6/2021	4/6/2021	NJC	1
Fluorene	0.0104 "J"	ug/l	0.0079	0.0251	1	M8270C	4/6/2021	4/6/2021	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	4/6/2021	4/6/2021	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	4/6/2021	4/6/2021	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	4/6/2021	4/6/2021	NJC	1
Naphthalene	< 0.03	ug/l	0.03	0.1	1	M8270C	4/6/2021	4/6/2021	NJC	1
Phenanthrene	0.0183 "J"	ug/l	0.0143	0.0456	1	M8270C	4/6/2021	4/6/2021	NJC	1
Pyrene	0.053	ug/l	0.0121	0.0386	1	M8270C	4/6/2021	4/6/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39239
Project # 18687

Lab Code 539239QQ
Sample ID DUPLICATE 02
Sample Matrix Water
Sample Date 3/31/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.38	ug/l	0.38	1.55	1	8260B		4/8/2021	CJR	1
Ethylbenzene	< 0.37	ug/l	0.37	1.51	1	8260B		4/8/2021	CJR	1
Toluene	< 0.42	ug/l	0.42	1.71	1	8260B		4/8/2021	CJR	1
m&p-Xylene	< 0.77	ug/l	0.77	3.14	1	8260B		4/8/2021	CJR	1
o-Xylene	< 0.44	ug/l	0.44	1.8	1	8260B		4/8/2021	CJR	1
PAH SIM										
Acenaphthene	0.061	ug/l	0.0094	0.03	1	M8270C	4/6/2021	4/6/2021	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	4/6/2021	4/6/2021	NJC	1
Anthracene	0.087	ug/l	0.015	0.0478	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(a)anthracene	0.0232 "J"	ug/l	0.02	0.067	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(b)fluoranthene	0.0316 "J"	ug/l	0.016	0.0509	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(g,h,i)perylene	0.0208 "J"	ug/l	0.0142	0.0451	1	M8270C	4/6/2021	4/6/2021	NJC	1
Benzo(k)fluoranthene	0.0177 "J"	ug/l	0.0146	0.0463	1	M8270C	4/6/2021	4/6/2021	NJC	1
Chrysene	0.0205 "J"	ug/l	0.0157	0.0499	1	M8270C	4/6/2021	4/6/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	4/6/2021	4/6/2021	NJC	1
Fluoranthene	0.153	ug/l	0.0088	0.0281	1	M8270C	4/6/2021	4/6/2021	NJC	1
Fluorene	0.034	ug/l	0.0079	0.0251	1	M8270C	4/6/2021	4/6/2021	NJC	1
Indeno(1,2,3-cd)pyrene	0.0171 "J"	ug/l	0.0121	0.0385	1	M8270C	4/6/2021	4/6/2021	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	4/6/2021	4/6/2021	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	4/6/2021	4/6/2021	NJC	1
Naphthalene	< 0.03	ug/l	0.03	0.1	1	M8270C	4/6/2021	4/6/2021	NJC	1
Phenanthrene	0.023 "J"	ug/l	0.0143	0.0456	1	M8270C	4/6/2021	4/6/2021	NJC	1
Pyrene	0.097	ug/l	0.0121	0.0386	1	M8270C	4/6/2021	4/6/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39239
Project # 18687

Lab Code 539239RR
Sample ID DUPLICATE 03
Sample Matrix Water
Sample Date 4/1/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.38	ug/l	0.38	1.55	1	8260B		4/8/2021	CJR	1
Ethylbenzene	< 0.37	ug/l	0.37	1.51	1	8260B		4/8/2021	CJR	1
Toluene	< 0.42	ug/l	0.42	1.71	1	8260B		4/8/2021	CJR	1
m&p-Xylene	< 0.77	ug/l	0.77	3.14	1	8260B		4/8/2021	CJR	1
o-Xylene	< 0.44	ug/l	0.44	1.8	1	8260B		4/8/2021	CJR	1
PAH SIM										
Acenaphthene	0.113	ug/l	0.0094	0.03	1	M8270C	4/8/2021	4/8/2021	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	4/8/2021	4/8/2021	NJC	1
Anthracene	0.14	ug/l	0.015	0.0478	1	M8270C	4/8/2021	4/8/2021	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	4/8/2021	4/8/2021	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	4/8/2021	4/8/2021	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	4/8/2021	4/8/2021	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	4/8/2021	4/8/2021	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	4/8/2021	4/8/2021	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	4/8/2021	4/8/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	4/8/2021	4/8/2021	NJC	1
Fluoranthene	0.0277 "J"	ug/l	0.0088	0.0281	1	M8270C	4/8/2021	4/8/2021	NJC	1
Fluorene	0.032	ug/l	0.0079	0.0251	1	M8270C	4/8/2021	4/8/2021	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	4/8/2021	4/8/2021	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	4/8/2021	4/8/2021	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	4/8/2021	4/8/2021	NJC	1
Naphthalene	< 0.03	ug/l	0.03	0.1	1	M8270C	4/8/2021	4/8/2021	NJC	1
Phenanthrene	< 0.0143	ug/l	0.0143	0.0456	1	M8270C	4/8/2021	4/8/2021	NJC	1
Pyrene	0.0218 "J"	ug/l	0.0121	0.0386	1	M8270C	4/8/2021	4/8/2021	NJC	1

Project Name MOSS AMERICAN **Invoice #** E39239
Project # 18687

Lab Code 539239SS
Sample ID DUPLICATE 04
Sample Matrix Water
Sample Date 4/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.38	ug/l	0.38	1.55	1	8260B		4/8/2021	CJR	1
Ethylbenzene	< 0.37	ug/l	0.37	1.51	1	8260B		4/8/2021	CJR	1
Toluene	< 0.42	ug/l	0.42	1.71	1	8260B		4/8/2021	CJR	1
m&p-Xylene	< 0.77	ug/l	0.77	3.14	1	8260B		4/8/2021	CJR	1
o-Xylene	< 0.44	ug/l	0.44	1.8	1	8260B		4/8/2021	CJR	1
PAH SIM										
Acenaphthene	4.40	ug/l	0.0094	0.03	1	M8270C	4/8/2021	4/8/2021	NJC	1
Acenaphthylene	0.04 "J"	ug/l	0.0156	0.0495	1	M8270C	4/8/2021	4/8/2021	NJC	1
Anthracene	0.272	ug/l	0.015	0.0478	1	M8270C	4/8/2021	4/8/2021	NJC	1
Benzo(a)anthracene	0.0237 "J"	ug/l	0.02	0.067	1	M8270C	4/8/2021	4/8/2021	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	4/8/2021	4/8/2021	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	4/8/2021	4/8/2021	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	4/8/2021	4/8/2021	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	4/8/2021	4/8/2021	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	4/8/2021	4/8/2021	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	4/8/2021	4/8/2021	NJC	1
Fluoranthene	0.60	ug/l	0.0088	0.0281	1	M8270C	4/8/2021	4/8/2021	NJC	1
Fluorene	1.94	ug/l	0.0079	0.0251	1	M8270C	4/8/2021	4/8/2021	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	4/8/2021	4/8/2021	NJC	1
1-Methyl naphthalene	1.14	ug/l	0.0191	0.0609	1	M8270C	4/8/2021	4/8/2021	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	4/8/2021	4/8/2021	NJC	1
Naphthalene	0.167	ug/l	0.03	0.1	1	M8270C	4/8/2021	4/8/2021	NJC	1
Phenanthrene	0.198	ug/l	0.0143	0.0456	1	M8270C	4/8/2021	4/8/2021	NJC	1
Pyrene	0.37	ug/l	0.0121	0.0386	1	M8270C	4/8/2021	4/8/2021	NJC	1

Lab Code 539239TT
Sample ID EB-1
Sample Matrix Water
Sample Date 3/30/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.38	ug/l	0.38	1.55	1	8260B		4/7/2021	CJR	1
Ethylbenzene	< 0.37	ug/l	0.37	1.51	1	8260B		4/7/2021	CJR	1
Toluene	< 0.42	ug/l	0.42	1.71	1	8260B		4/7/2021	CJR	1
m&p-Xylene	< 0.77	ug/l	0.77	3.14	1	8260B		4/7/2021	CJR	1
o-Xylene	< 0.44	ug/l	0.44	1.8	1	8260B		4/7/2021	CJR	1

Project Name MOSS AMERICAN **Invoice #** E39239
Project # 18687

Lab Code 539239UU
Sample ID EB-2
Sample Matrix Water
Sample Date 3/31/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.38	ug/l	0.38	1.55	1	8260B		4/7/2021	CJR	1
Ethylbenzene	< 0.37	ug/l	0.37	1.51	1	8260B		4/7/2021	CJR	1
Toluene	< 0.42	ug/l	0.42	1.71	1	8260B		4/7/2021	CJR	1
m&p-Xylene	< 0.77	ug/l	0.77	3.14	1	8260B		4/7/2021	CJR	1
o-Xylene	< 0.44	ug/l	0.44	1.8	1	8260B		4/7/2021	CJR	1

Lab Code 539239VV
Sample ID EB-3
Sample Matrix Water
Sample Date 4/1/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.38	ug/l	0.38	1.55	1	8260B		4/7/2021	CJR	1
Ethylbenzene	< 0.37	ug/l	0.37	1.51	1	8260B		4/7/2021	CJR	1
Toluene	< 0.42	ug/l	0.42	1.71	1	8260B		4/7/2021	CJR	1
m&p-Xylene	< 0.77	ug/l	0.77	3.14	1	8260B		4/7/2021	CJR	1
o-Xylene	< 0.44	ug/l	0.44	1.8	1	8260B		4/7/2021	CJR	1

Lab Code 539239WW
Sample ID EB-4
Sample Matrix Water
Sample Date 4/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.38	ug/l	0.38	1.55	1	8260B		4/7/2021	CJR	1
Ethylbenzene	< 0.37	ug/l	0.37	1.51	1	8260B		4/7/2021	CJR	1
Toluene	< 0.42	ug/l	0.42	1.71	1	8260B		4/7/2021	CJR	1
m&p-Xylene	< 0.77	ug/l	0.77	3.14	1	8260B		4/7/2021	CJR	1
o-Xylene	< 0.44	ug/l	0.44	1.8	1	8260B		4/7/2021	CJR	1

Lab Code 539239XX
Sample ID TRIP BLANK
Sample Matrix Water
Sample Date

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.38	ug/l	0.38	1.55	1	8260B		4/7/2021	CJR	1
Ethylbenzene	< 0.37	ug/l	0.37	1.51	1	8260B		4/7/2021	CJR	1
Toluene	< 0.42	ug/l	0.42	1.71	1	8260B		4/7/2021	CJR	1
m&p-Xylene	< 0.77	ug/l	0.77	3.14	1	8260B		4/7/2021	CJR	1
o-Xylene	< 0.44	ug/l	0.44	1.8	1	8260B		4/7/2021	CJR	1

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

Code	*Comment*
1	Laboratory QC within limits.
49	Sample diluted to compensate for matrix interference.

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

CHAIN OF CUSTODY RECORD

Synergy Environmental Lab, Inc.

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Chain # No 37698
Page 1 of 5

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

Lab I.D. #
QUOTE #: #8401
Project #: 18687
Sampler: (signature)

Project (Name / Location): Moss American Milwaukee, WI

Reports To: Andrea Lorenz	Invoice To:
Company The Sigma Group	Company
Address 1300 West Canal Street	Address
City State Zip Milwaukee, WI 53233	City State Zip
Phone 414-643-4131	Phone
Email alorenz@thesigmagroup.com	Email

Lab I.D.	Sample I.D.	Collection Date	Collection Time	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 524.2)	VOC (EPA 8260)	VOC AIR (TO - 15)	8-RCRA METALS	BTEX	PID/ FID
503923911	PZ-04	3/31/21	7:30	N	4	GW	HCL						X									X	X	
B	MW-9S	3/31/21	7:35	N	6	GW	HCL						X									X	X	
C	TG5-1	3/31/21	7:50	N	4	GW	HCL						X									X	X	
D	TG5-2	3/31/21	7:55	N	4	GW	HCL						X									X	X	
E	TG5-3	3/31/21	8:10	N	4	GW	HCL						X									X	X	
F	TG6-1	3/31/21	8:45	N	4	GW	HCL						X									X	X	
G	TG6-2	3/31/21	8:55	N	4	GW	HCL						X									X	X	
H	TG6-3	3/31/21	9:00	N	4	GW	HCL						X									X	X	
I	PZ-01	3/31/21	9:20	N	4	GW	HCL						X									X	X	
J	MW-37S	3/31/21	9:35	N	4	GW	HCL						X									X	X	
K	PZ-05	3/31/21	9:50	N	4	GW	HCL						X									X	X	
L	MW-31BR	3/31/21	10:10	N	4	GW	HCL						X									X	X	

Analysis Requested | Other Analysis

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: CS
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
	14:00	4/2/21			

Received in Laboratory By: Time: 12:00 Date: 4/3/21

CHAIN OF CUSTODY RECORD

Synergy Environmental Lab, Inc.

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Chain # No 37699

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

Lab I.D. #
QUOTE # : #8401
Project #: 18687
Sampler: (signature)

Project (Name / Location): Moss American Milwaukee, WI

Reports To: Andrea Lorenz	Invoice To:
Company The Sigma Group	Company
Address 1300 West Canal Street	Address
City State Zip Milwaukee, WI 53233	City State Zip
Phone 414-643-4131	Phone
Email alorenz@thesigmagroup.com	Email

Lab I.D.	Sample I.D.	Collection Date	Collection Time	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 524.2)	VOC (EPA 8260)	VOC AIR (TO - 15)	8-RCRA METALS	BTEX	PID/ FID
503923M	PZ-06	3/31/21	10:25	N	4	GW	HCL						X										X	
N	TG2-2	3/31/21	10:50	N	4	GW	HCL						X										X	
O	TG2-3	3/31/21	10:55	N	4	GW	HCL						X										X	
P	PZ-09R	4/1/21	8:00	N	4	GW	HCL						X										X	
Q	TG1-1R	4/1/21	8:05	N	4	GW	HCL						X										X	
R	TG1-2	4/1/21	8:15	N	4	GW	HCL						X										X	
S	TG1-3	4/1/21	8:25	N	4	GW	HCL						X										X	
T	MW-35S	4/1/21	8:55	N	4	GW	HCL						X										X	
U	TG3-1	4/1/21	9:10	N	4	GW	HCL						X										X	
V	TG3-2	4/1/21	9:15	N	6	GW	HCL						X										X	
W	TG3-3	4/1/21	9:25	N	4	GW	HCL						X										X	
X	TG4-1	4/1/21	9:35	N	4	GW	HCL						X										X	

Analysis Requested | Other Analysis

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: CS
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
	14:00	4/2/21			

Received in Laboratory By: Time: 12:00 Date: 4/3/21

CHAIN OF CUSTODY RECORD

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Chain # No 37700

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Sample Handling Request

___ Rush Analysis Date Required: ___
(Rushes accepted only with prior authorization)
X Normal Turn Around

Lab I.D. #

QUOTE # : #8401

Project #: 18687

Sampler: (signature)

Project (Name / Location): Moss American Milwaukee, WI

Reports To: Andrea Lorenz	Invoice To:
Company The Sigma Group	Company
Address 1300 West Canal Street	Address
City State Zip Milwaukee, WI 53233	City State Zip
Phone 414-643-4131	Phone
Email alorenz@thesigmagroup.com	Email

Lab I.D.	Sample I.D.	Collection Date	Collection Time	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 524.2)	VOC (EPA 8260)	VOC AIR (TO - 15)	8-RCRA METALS	BTEX						PID/ FID
503239Y	TG4-2	4/1/21	9:40	N	4	GW	HCL						X										X						
Z	TG4-3	4/1/21	9:50	N	4	GW	HCL						X										X						
AA	MW-30S	4/1/21	10:20	N	6	GW	HCL						X										X						
BB	MW-5S	4/1/21	10:25	N	4	GW	HCL						X										X						
CC	PZ-10	4/2/21	8:25	N	4	GW	HCL						X										X						
DD	PZ-02	4/2/21	11:10	N	4	GW	HCL						X										X						
EE	PZ-03	4/2/21	10:30	N	4	GW	HCL						X										X						
FF	MW-7S	4/2/21	11:05	N	4	GW	HCL						X										X						
GG	MW-7S-WR	4/2/21	8:55	N	4	GW	HCL						X										X						
HH	MW-32SR	4/2/21	8:30	N	4	GW	HCL						X										X						
II	MW-33S	4/2/21	9:35	N	4	GW	HCL						X										X						
JJ	MW-34SR	4/2/21	9:55	N	4	GW	HCL						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:

Temp. of Temp. Blank: ___ °C On Ice: ^

Cooler seal intact upon receipt: X Yes ___ No

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
	14:00	4/2/21			

Received in Laboratory By: Time: 12:00 Date: 4/3/21

CHAIN OF CUSTODY RECORD

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Chain # No 37701
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Sample Handling Request
___ Rush Analysis Date Required: ___
(Rushes accepted only with prior authorization)
X Normal Turn Around

Lab I.D. #
QUOTE # : #8401
Project #: 18687
Sampler: (signature)
Project (Name / Location): Moss American Milwaukee, WI

Reports To: Andrea Lorenz	Invoice To:
Company The Sigma Group	Company
Address 1300 West Canal Street	Address
City State Zip Milwaukee, WI 53233	City State Zip
Phone 414-643-4131	Phone
Email alorenz@thesigmagroup.com	Email

Lab I.D.	Sample I.D.	Collection Date	Collection Time	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 524.2)	VOC (EPA 8260)	VOC AIR (TO - 15)	8-RCRA METALS	BTEX						PID/ FID
539239	MW-38S	4/2/21	10:10	N	4	GW	HCL						X										X						
LL	MW-39S	4/2/21	9:00	N	4	GW	HCL						X										X						
MM	MW-D	4/2/21	13:30	N	4	GW	HCL						X										X						
NN	MW-H	4/2/21	12:45	N	4	GW	HCL						X										X						
OO	MW-I	4/2/21	12:10	N	4	GW	HCL						X										X						
PP	Duplicate #01	3/31/21	—	N	4	GW	HCL						X										X						
QQ	Duplicate #02	3/31/21	—	N	4	GW	HCL						X										X						
RR	Duplicate #03	4/1/21	—	N	4	GW	HCL						X										X						
SS	Duplicate #04	4/2/21	—	N	4	GW	HCL						X										X						
TT	EB-1	3/30/21	—	N	1	—	HCL																X						
UU	EB-2	3/31/21	—	N	1	—	HCL																X						
YY	EB-3	4/1/21	—	N	1	—	HCL																X						

Analysis Requested | **Other Analysis**

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: CS
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
	14:00	4/2/21			

Received in Laboratory By: Time: 12:00 Date: 4/3/21

CHAIN OF CUSTODY RECORD

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Chain # No 37703

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Sample Handling Request

___ Rush Analysis Date Required: ___
(Rushes accepted only with prior authorization)
X Normal Turn Around

Lab I.D. #

QUOTE # : #8401

Project #: 1867

Sampler: (signature)

Project (Name / Location): Moss American Milwaukee, WI

Reports To: Andrea Lorenz	Invoice To:
Company The Sigma Group	Company
Address 1300 West Canal Street	Address
City State Zip Milwaukee WI 53233	City State Zip
Phone 414-643-4131	Phone
Email alorenz@thesigmagroup.com	Email

Analysis Requested | **Other Analysis**

Lab I.D.	Sample I.D.	Collection Date	Collection Time	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 524.2)	VOC (EPA 8260)	VOC AIR (TO - 15)	8-RCRA METALS	BTEX	PID/ FID
539739600	EB-4	4/2/21	—	N	1	—	HCL																X	
XX	TRIP BLANK	—	—	N	2	—	HCL																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: CS

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
	14:00	4/2/21			

Received in Laboratory By: Time: 12:00 Date: 4/3/21