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September 25, 2020 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 (July 2020 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 fourth 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.

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 July 2020 are included in **Attachment 1**. The investigative waste was picked up by Veolia ES Technical Solutions, LLC (Veolia) on July 29, 2020.

GROUNDWATER MONITORING WELL CONDITION REPORT

A total of fifty-three (53) groundwater monitoring wells are currently present at this site. 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 general effectiveness of the multiple rounds of remedial activities conducted on site. The groundwater monitoring wells were inspected in July 2020 and the condition of each is presented in **Table 1.** A total of 45 groundwater monitoring wells are in good condition and were sampled.

In recent rounds of groundwater sampling, the monitoring wells MW-7S, MW-9S, MW-38S, and TG6-3 contained either a slight obstruction or bent casing. During the July 2020 sampling round, three additional monitoring wells (TG3-1, TG5-2, and PZ-02) were

discovered to also contain either a partial 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.

The monitoring wells MW-27S, MW-34S-N, and PZ-07 remain obstructed as described in previous quarterly monitoring reports and are scheduled for abandonment in fall 2020 per discussions with WDNR. These wells, along with select river reach monitoring wells as described below, will be abandoned in accordance with NR 141, and the well abandonment forms (WDNR form 3300-005) will be submitted in the fall 2020 quarterly monitoring report.

The monitoring well TG2-1 was hit and buried during backfilling activities associated with the sheet pile removal work. The monitoring well was located, the casing removed, and the monitoring well appropriately abandoned in accordance with NR 141 on July 20, 2020. The well abandonment form will be included in the fall 2020 quarterly monitoring report, along with the well abandonment forms (WDNR form 3300-005) for the wells scheduled to be abandoned in fall 2020.

Six monitoring wells (MW-A, MW-B, MW-E, MW-F, MW-H, and MW-J) located along the Little Menomonee River were sampled. Five of the eleven river reach wells could not be sampled due to the adjacent river creating unsuitable sampling conditions (MW-C and MW-K), poor well condition (MW-G), or the monitoring well could not be located (MW-D and MW-I). The monitoring wells MW-A, MW-C, MW-E, MW-F, MW-G, MW-J, and MW-K are scheduled for abandonment in fall 2020 per discussions with WDNR and due to consistent and low levels of contamination or poor well condition. These monitoring wells will be abandoned in accordance with NR 141 and the well abandonment form (WDNR form 3300-005) will be submitted in the fall 2020 quarterly monitoring report. Further, Sigma will schedule a site inspection to perform a close search of the area where monitoring wells MW-D and MW-I were installed. These wells have not been located in 2019 or 2020. The monitoring wells MW-B and MW-H are in good condition and will continue to be sampled.

GROUNDWATER SAMPLING ACTIVITIES

A total of 45 groundwater monitoring wells were accessible and found to be in acceptable condition for sampling. During July 6 through July 15, 2020 Sigma completed groundwater sampling from the 45 groundwater monitoring wells.

Groundwater monitoring wells were measured for the field parameters including water level, dissolved oxygen, oxidation-reduction potential, pH, temperature, turbidity, specific conductance, and ferrous iron using a Solinst Water Level Meter, a YSI Professional Plus Multiparameter meter 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 for benzene, toluene, ethylbenzene, xylenes (BTEX) (EPA

Method 8260), and the polycyclic aromatic hydrocarbons (PAHs) (EPA Method 8270). Quality control and quality assurance samples included 5 duplicate samples, 2 trip blanks, and 1 equipment blank. Groundwater generated from purging activities was contained in 55-gallon drums and picked up by Veolia on July 29, 2020 for disposal as hazardous waste. Manifests are included in **Attachment 1**.

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Groundwater Elevation Measurements

Groundwater elevation measurements were generally lower than previous results, reflecting seasonal dry summer conditions. The groundwater elevations were generally measured between 0 and 2 feet lower than the previous round with the exception of monitoring well PZ-05. The groundwater elevation for monitoring well PZ-05 was measured at 2.95 feet lower than the previous round, likely to due to its position on the site at the highest elevation among the monitoring wells, and therefore more likely to reflect a seasonal decrease from lack of recharge. The direction of groundwater flow at the site is consistent with previous measurements, toward the Little Menomonee River, or to the northeast, as depicted on **Figure 2**. Groundwater elevation measurements are summarized in **Table 2**.

Groundwater *In Situ* Measurements

Groundwater *in situ* measurements are reported in **Table 3.** In general, results are consistent with the previous round of *in situ* measurements or expected seasonal fluctuations (i.e., a general increase in temperature). Turbidity measurements are generally consistent throughout the site after following the October 2019 Quarterly Report recommendation to sample 24 hours after purging. The measurements from the "river reach" groundwater monitoring wells generally reported turbidity results that were relatively high, including four sample locations (MW-B, MW-E, MW-H, and MW-J). This is likely due to the adjacent river water infiltrating the groundwater monitoring wells.

Review of the biodegradation parameters (e. g., ferrous iron, dissolved oxygen, and REDOX) indicate biodegradation is ongoing at locations where oxidation treatment was implemented in 2017. However, measurements at monitoring well MW-34SR in the vicinity of one of the oxidation treatment areas indicate a change from the spring sampling round to the summer sampling round. Future monitoring data will be evaluated to determine the geochemical conditions in the surface.

Groundwater Analytical Results

Groundwater samples from 45 groundwater monitoring wells were submitted to the project laboratory for analysis of BTEX and PAHs. Laboratory reports are presented in **Attachment 2**, and results are summarized on **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 on **Table 4** for comparison purposes.

Summary of BTEX Results

Of the 45 groundwater monitoring wells sampled in this sampling round, 43 groundwater monitoring wells reported results less than the limit of detection for BTEX. Only one sampling location, the monitoring well PZ-03, reported detectable concentrations of benzene, toluene, ethylbenzene, and total xylenes. Reported concentrations of ethylbenzene, toluene, and total xylenes for monitoring well PZ-03 were less than both PALs and ESs. The reported concentration of benzene (1.33 µg/L) for monitoring well PZ-03 is greater than both PALs and the EPA ROD ES, but less than the NR 140 ES. The results for monitoring well PZ-03 are consistent with previous sampling rounds. The monitoring well PZ-09R reported a concentration of toluene between the limit of quantitation and limit of detection, and less than both PALs and ESs; and reported concentrations of benzene, ethylbenzene, and xylenes less than the limit of detection.

Summary of PAH Results

Of the 45 groundwater monitoring wells sampled in this sampling round, 29 groundwater monitoring wells reported results less than NR 140 PALs for PAHs. At the remaining 16 groundwater monitoring wells sampled, five analytes were reported at concentrations exceeding NR 140 PALs and/or ESs. The analytes are benzo(a)pyrene, benzo(b)fluoranthene, chrysene, fluorene, and naphthalene. Results of each of these five analytes are described below.

Benzo(a)pyrene

Five groundwater monitoring wells reported concentrations of benzo(a)pyrene greater than the NR 140 PAL, generally at low levels at sporadic locations on the main property.

- Groundwater monitoring wells MW-30S, MW-39S, TG3-1, TG6-1, and TG6-2, reported concentrations of benzo(a)pyrene greater than the NR 140 PAL, but between the limit of quantitation and the limit of detection.

Benzo(b)fluoranthene

Twelve groundwater monitoring wells reported concentrations of benzo(b)fluoranthene greater than the NR 140 PAL, generally at low levels at sporadic locations on the main property.

- Groundwater monitoring wells MW-5S, MW-9S, MW-30S, MW-38S, TG2-2, TG3-1, TG5-1, TG6-1, TG6-2, PZ-05, and MW-B reported concentrations of benzo(b)fluoranthene greater than the NR 140 PAL, but between the limit of quantitation and the limit of detection.
- Groundwater monitoring well MW-39S reported concentrations of benzo(b)fluoranthene greater than the NR 140 PAL but less than the NR 140 ES.

Chrysene

Ten groundwater monitoring wells reported concentrations of chrysene greater than the NR 140 PAL, generally at low levels at sporadic locations on the main property.

- Groundwater monitoring wells MW-7S-WR, MW-9S, MW-39S, TG2-2, TG3-1, TG6-1, TG6-2, PZ-05, PZ-09R, and MW-B reported concentrations of chrysene greater than the NR 140 PAL, but between the limit of quantitation and the limit of detection.

Fluorene

One groundwater monitoring well reported a concentration of fluorene greater than the NR 140 PAL.

- Groundwater monitoring well PZ-03 reported a concentration of fluorene greater than its NR 140 PAL but less than its NR 140 ES.

Naphthalene

Two groundwater monitoring wells reported concentrations of naphthalene greater than the NR 140 PAL and/or ES.

- Groundwater monitoring well MW-33S reported a concentration of naphthalene (17.8 µg/L) greater than its NR 140 PAL but less than its NR 140 ES. During the April round of sampling, naphthalene was reported at groundwater monitoring well MW-33S at a concentration of 226 µg/L, which exceeds the NR 140 ES. Review of the historical data indicates naphthalene was also detected at a similar concentration in 2010, however, detected concentrations dropped below NR 140 PAL during the subsequent monitoring events.

- Groundwater monitoring well PZ-03 reported a concentration of naphthalene greater than its NR 140 ES. Naphthalene was reported at groundwater monitoring well PZ-03 at a relatively high concentration. The recent sampling events from monitoring well PZ-03 have reported concentrations of naphthalene as follows:
  - 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 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. Future monitoring data will be evaluated to determine the concentration trend and the need for any mitigation measures.

RECOMMENDATIONS

Per discussion with WDNR, Sigma has work planned regarding well abandonments and locating two monitoring wells.

As described in the spring 2020 quarterly monitoring report, and discussed with WDNR, Sigma has scheduled the abandonment of ten monitoring wells for fall 2020, as follows:

- Monitoring wells MW-27S, MW-34S-N, and PZ-07 are obstructed and in poor condition and will be abandoned.
- Monitoring wells MW-A, MW-E, MW-F, and MW-J have been sampled and show consistent and low level results. These monitoring wells are no longer providing substantive information regarding the groundwater quality and therefore will be abandoned.
- Monitoring wells MW-C, MW-G, and MW-K have been submerged and/or in poor condition and are no longer providing substantive information regarding groundwater quality and therefore can be abandoned.

Well abandonment forms (WDNR form 3300-005) for these monitoring wells and for the monitoring well TG2-1, abandoned on July 20, 2020, will be submitted in the fall 2020 quarterly monitoring report.

Two monitoring wells, MW-D and MW-I, have not been located during the 2019 and 2020 sampling activities. Sigma plans to conduct a thorough search of the areas where these wells were located using survey equipment and a metal detector to locate these two monitoring wells.

Please note that the well abandonment activities will abandon all the river reach monitoring wells with the exception of monitoring wells MW-B and MW-H. These two monitoring wells are in good condition, are able to be sampled, and have shown low levels of contamination; additional rounds of sampling will be conducted on these two monitoring wells and recommendations may be made in the future regarding abandonment.

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 anticipates performing the next round of quarterly groundwater monitoring approximately 3 months following the completion of this round of quarterly groundwater monitoring, or about October 1, 2020. Please feel free to contact the undersigned should you have any questions.

Sincerely,

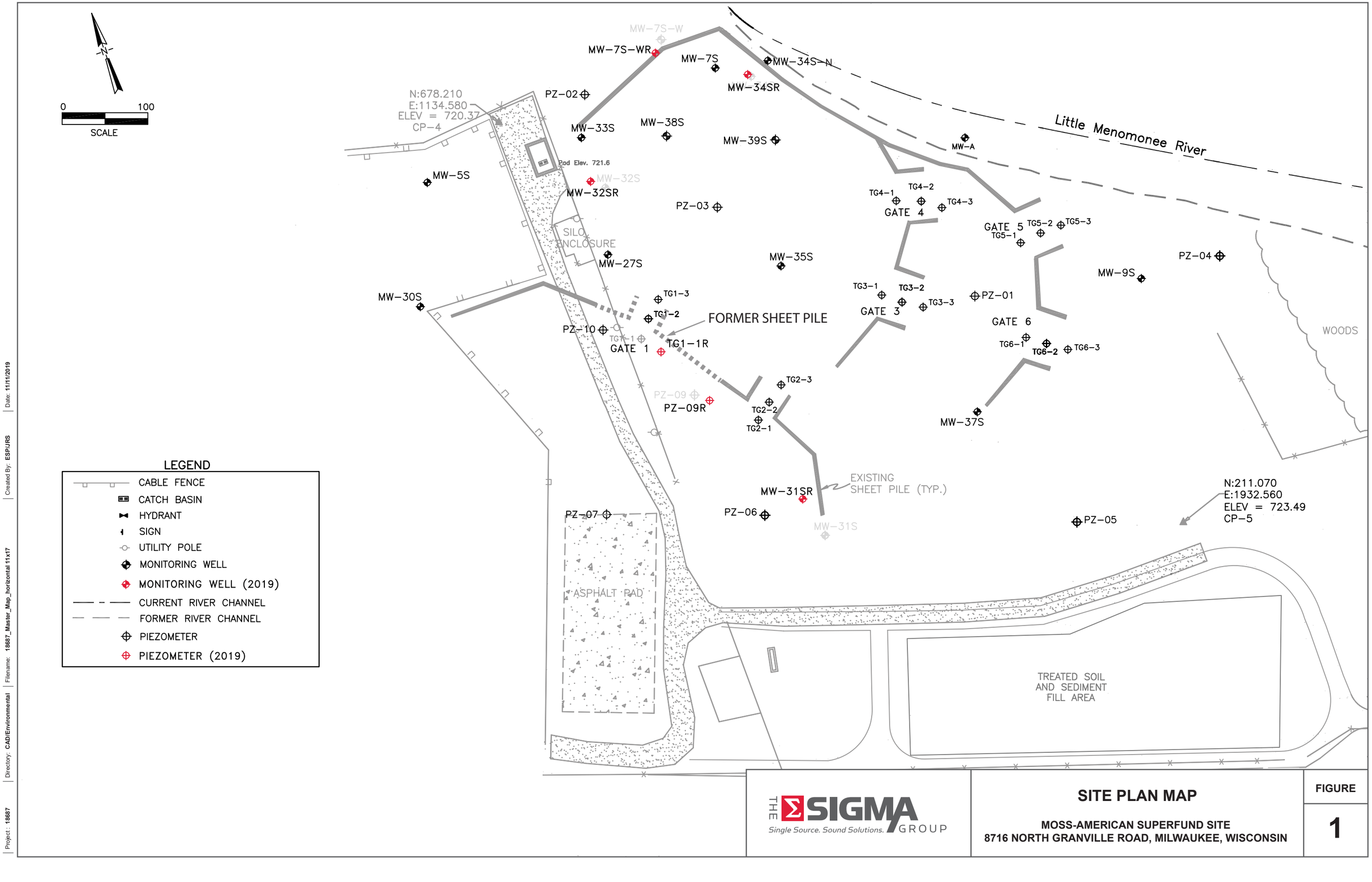
THE SIGMA GROUP, INC.

Andrea Lorenz, P.E.
Project Engineer

Mafizul Islam, P.E.
Senior Project Manager

Attachments:

Figure 1	Site Plan Map
Figure 2	Groundwater Contour Map
Table 1	Groundwater Monitoring Wells Condition Report- Summer 2020
Table 2	Groundwater Elevation Results
Table 3	Groundwater *In Situ* Results
Table 4	Groundwater Analytical Results
Attachment 1	Investigative Waste Manifests
Attachment 2	Laboratory Reports



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SITE PLAN MAP

MOSS-AMERICAN SUPERFUND SITE
8716 NORTH GRANVILLE ROAD, MILWAUKEE, WISCONSIN

FIGURE
1

Project: 18687 | Directory: CAD/Environmental | Filename: 18687_Master_Map_horizontal 11x17 | Created By: ESP/JRS | Date: 11/11/2019

0 100
SCALE

LEGEND

- CABLE FENCE
- CATCH BASIN
- HYDRANT
- SIGN
- UTILITY POLE
- MONITORING WELL
- MONITORING WELL (2019)
- CURRENT RIVER CHANNEL
- FORMER RIVER CHANNEL
- PIEZOMETER
- PIEZOMETER (2019)

(650) Static Groundwater Level (July 2020)

Groundwater Contour Line

Groundwater Flow Direction

MW-7S-W
MW-7S-WR (714.85)
MW-7S (716.09)
MW-34S-N (OBSTRUCTED)
MW-34SR (716.19)
PZ-02 (715.14)
N:678.210
E:1134.580
ELEV = 720.37
CP-4
MW-33S (716.00)
MW-38S (716.14)
MW-39S (716.22)
Pad Elev. 721.6
MW-32S
MW-32SR (716.35)
MW-5S (717.68)
PZ-03 (716.41)
SILO ENCLOSURE
MW-27S (OBSTRUCTED)
MW-35S (716.87)
MW-30S (723.12)
TG1-3 (717.35)
TG1-2 (717.55)
FORMER SHEET PILE
PZ-10 (720.03)
GATE 1
TG1-1R (718.66)
PZ-09R (720.29)
TG2-3 (717.17)
TG2-2 (717.65)
TG2-1 (717.21)
MW-A (714.42)
Little Menomonee River
TG4-1 (716.81)
TG4-2 (716.87)
TG4-3 (716.85)
GATE 4
GATE 5
TG5-1 (716.04)
TG5-2 (715.54)
TG5-3 (715.75)
TG3-1 (716.93)
TG3-2 (717.04)
TG3-3 (717.07)
GATE 3
PZ-01 (716.70)
GATE 6
TG6-1 (716.01)
TG6-2 (716.05)
TG6-3 (716.14)
MW-9S (716.91)
PZ-04 (716.98)
WOODS
MW-37S (716.85)
EXISTING SHEET PILE (TYP.)
MW-31SR (722.82)
MW-31S
PZ-06 (724.09)
PZ-07 (OBSTRUCTED)
PZ-05 (722.46)
N:211.070
E:1932.560
ELEV = 723.49
CP-5
ASPHALT PAD
TREATED SOIL AND SEDIMENT FILL AREA

715 716 717 718 719 720 721 722 723 724

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GROUNDWATER CONTOUR MAP (JULY 2020)

MOSS-AMERICAN SUPERFUND SITE
8716 NORTH GRANVILLE ROAD, MILWAUKEE, WISCONSIN

FIGURE
2

Project: 18687 | Directory: CAD/Environmental | Filename: 18687_Master_Map_horizontal 11x17 | Created By: ESP/URS | Date: 08/26/2020

Table 1

Groundwater Monitoring Wells Condition Report- Summer 2020

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

Sigma Project # 18687

Well ID	Sampled in Summer 2020?	Well Casing Diameter (inches)	Well Casing Material	Comment	Recommendation / Status
MW-5S	Y	2	Steel	Good condition; able to sample	Continue sampling
MW-7S	Y	2	Steel	Able to sample; well casing is bent. Well was sampled using a 1" bailer.YSI appear submerged	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	Continue sampling
MW-27S	**N**	2	PVC	Well is obstructed at 4.05 ft below top of casing.	**To be abandoned in Fall 2020**
MW-30S	Y	2	Steel	Good condition; able to sample	Continue sampling
MW-31SR	Y	2	PVC	Good condition; able to sample	Continue sampling
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	Obstructed at 5.95 ft below top of casing	**To be abandoned in Fall 2020**
MW-35S	Y	2	Steel	Good condition; able to sample	Continue sampling
MW-37S	Y	2	Steel	Good condition; able to sample	Continue sampling
MW-38S	Y	2	Steel	Able to sample; well casing is bent. Well was sampled using a 1" bailer. Cap too tall	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	Continue sampling
TG2-1	**Y**	2	Steel	Hit and buried by bulldozer after sampling; found and abandoned	**Abandoned on 7/20/20, form to be submitted in fall 2020**
TG2-2	Y	2	Steel	Good condition; able to sample	Continue sampling
TG2-3	Y	2	Steel	Good condition; able to sample	Continue sampling
TG3-1	Y	2	Steel	Good condition; able to sample; very slight kink	Continue sampling
TG3-2	Y	2	Steel	Good condition; able to sample	Continue sampling
TG3-3	Y	2	Steel	Good condition; able to sample	Continue sampling
TG4-1	Y	2	Steel	Good condition; able to sample	Continue sampling
TG4-2	Y	2	Steel	Good condition; able to sample	Continue sampling
TG4-3	Y	2	Steel	Good condition; able to sample	Continue sampling
TG5-1	Y	2	Steel	Good condition; able to sample	Continue sampling
TG5-2	Y	2	Steel	Hit by bulldozer; able to purge with peristaltic pump and sample with 1" bailer	Continue sampling
TG5-3	Y	2	Steel	Good condition; able to sample	Continue sampling
TG6-1	Y	2	Steel	Good condition; able to sample	Continue sampling
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	Continue sampling
PZ-01	Y	1.5	PVC	Good condition; able to sample	Continue sampling
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	Continue sampling
PZ-05	Y	1.5	PVC	Good condition; able to sample	Continue sampling
PZ-06	Y	1.5	PVC	Good condition; able to sample	Continue sampling
PZ-07	**N**	1.5	PVC	Obstructed at 4.1 ft below top of casing	**To be abandoned in Fall 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	Y	2	PVC	Good condition; able to sample	**To be abandoned in Fall 2020**
MW-B	Y	2	PVC	Good condition; able to sample	**Continue sampling; abandon pending consistent, low results**
MW-C	N	2	PVC	Well submerged under water; well not sampled due to high river water levels	**To be abandoned in Fall 2020**
MW-D	**N**	2	PVC	Well could not be located due to overgrown vegetation or damaged and buried.	**Attempt to locate in fall/winter 2020; sample if possible**
MW-E	Y	2	PVC	Good condition; able to sample	**To be abandoned in Fall 2020**
MW-F	Y	2	PVC	Good condition; able to sample	**To be abandoned in Fall 2020**
MW-G	**N**	2	PVC	Concrete with vault ripped out. Casing open and exposed to surface water	**To be abandoned in Fall 2020**
MW-H	Y	2	PVC	Good condition; able to sample	Continue sampling
MW-I	**N**	2	PVC	Well could not be located; well location appears to be submerged	**Attempt to locate in fall/winter 2020; sample if possible**
MW-J	Y	2	PVC	Good condition; able to sample	**To be abandoned in Fall 2020**
MW-K	**N**	2	PVC	Well submerged under water/ice; well not sampled due to high river water levels	**To be abandoned in Fall 2020**

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
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	
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		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
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
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	obstruction
	3/31/20	720.14	723.72	OB	OB	OB		OB	OB	obstruction
	7/6/20	720.14	723.72	OB	OB	OB		OB	OB	obstruction
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
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
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		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
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
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		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

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-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	obstruction
	7/6/20	715.30	717.22	OB	OB	OB	OB		OB	obstruction
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
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
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
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
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		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
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		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
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
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

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		(feet MSL)	(feet MSL)	(feet TOC)	(feet TOC)	(feet)	(feet)	(feet MSL)	(feet bgs)	
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
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
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
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
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
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
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
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
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

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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
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
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
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
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
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
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
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
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

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		(feet MSL)	(feet MSL)	(feet TOC)	(feet TOC)	(feet)	(feet)	(feet MSL)	(feet bgs)	
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
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
PZ-07	4/4/13	725.78	728.72	OB	OB	OB	OB	OB	OB	
	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
PZ-09	4/4/13	721.12	724.08	OB	OB	OB	OB	OB	OB	
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
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
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
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	
	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
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	
	1/10/20	713.73	713.31	NS	11.27	NS		NS	NS	
	4/8/20	713.73	713.31	0.00	11.25					good recovery
	7/14/20	713.73	713.31	Under Water						Well under water
MW-D	4/5/13	716.21	715.85	0.20	12.00	11.80		715.65	0.56	
	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

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-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	
	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
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	
	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
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	
	1/10/20	712.69	712.48	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	destroyed
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	
	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
MW-I	4/5/13	710.27	709.92	1.50	9.00	7.50		708.42	1.85	
	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
MW-J	4/5/13	710.08	709.85	0.00	14.75	14.75		709.85	0.23	
	10/8/19	NS	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
MW-K	4/5/13	707.13	706.70	NS	NS	NS		NS	NS	submerged
	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	submerged
	7/14/20	NS	NS	NS	NS	NS		NS	NS	under water

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
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
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
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
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
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
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
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

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-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
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
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
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
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
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
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

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)
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
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
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
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
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
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
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
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

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)
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
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
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
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
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
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
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
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

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)
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
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
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
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
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
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	31.40	3.22	165.2
	7/13/20	7.18	11.9	1.6	1.187	19.90	2.12	185.3
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
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
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
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

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-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
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
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
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
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
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
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

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-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
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
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
	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
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
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
	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

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						
															DUP #4			
Date:						9/27/10	4/4/13	10/9/19	1/3/20	3/31/20	7/7/20	9/28/10	4/4/13	10/9/19	10/9/19	1/3/20	3/31/20	7/7/20
BTEX																		
Benzene	µg/L	0.67	0.067	5	0.5	<0.2	<0.27	< 0.22	< 0.22	< 0.33	< 0.33	**0.9 J**	0.36 J	< 0.22	< 0.22	< 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	0.3 J	<0.82	< 0.26	< 0.26	< 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	1.8 J	1.7 J	< 0.72	< 0.72	< 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	<0.2	<0.8	< 0.19	< 0.19	< 0.19	< 0.26	< 0.26
PAHs																		
Acenaphthene	µg/L	NS	NS	NS	NS	<0.51	<0.021	< 0.0094	< 0.0094	0.079	< 0.0094	8.3	5	2.18	NT	0.5	0.56	1.39
Acenaphthylene	µg/L	NS	NS	NS	NS	<1	<0.02	< 0.0156	< 0.0156	< 0.0156	0.0228 J	<8.2	0.17	0.067	NT	0.0194 J	0.0176 J	0.066
Anthracene	µg/L	NS	NS	3,000	600	<0.02	0.030 J	0.0192 J	< 0.015	< 0.015	0.0208 J	<0.022	0.138	0.136	NT	0.117	0.09	0.091
Benzo(a)anthracene	µg/L	NS	NS	NS	NS	<0.01	<0.025	< 0.0131	< 0.02	< 0.02	< 0.02	<0.011	<0.025	0.0256 J	NT	< 0.02	0.0226 J	< 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	<0.011	<0.018	< 0.0167	NT	< 0.0167	*0.0256 J*	< 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*	<0.0086	<0.02	< 0.016	NT	< 0.016	*0.038 J*	< 0.016
Benzo(ghi)perylene	µg/L	NS	NS	NS	NS	<0.061	<0.023	< 0.0142	< 0.0142	< 0.0142	< 0.0142	<0.065	<0.023	< 0.0142	NT	< 0.0142	0.0291 J	< 0.0142
Benzo(k)fluoranthene	µg/L	NS	NS	NS	NS	<0.0081	<0.027	< 0.0146	< 0.0146	< 0.0146	0.0188 J	<0.0083	<0.027	< 0.0146	NT	< 0.0146	0.0267 J	< 0.0146
Chrysene	µg/L	NS	NS	0.2	0.02	<0.061	<0.018	< 0.0157	< 0.0157	< 0.0157	0.0182 J	<0.065	<0.018	< 0.0157	NT	< 0.0157	< 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	<0.022	<0.023	< 0.0173	NT	< 0.0173	0.0214 J	< 0.0173
Fluoranthene	µg/L	NS	NS	400	80	<0.02	<0.026	< 0.0088	< 0.0088	< 0.0088	0.0142 J	<0.022	<0.026	0.029	NT	0.0107 J	0.0108 J	0.0156 J
Fluorene	µg/L	NS	NS	400	80	<0.1	<0.02	< 0.0079	< 0.0079	0.02 J	< 0.0079	1.5	0.83	0.43	NT	0.077	0.111	0.082
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	<0.043	<0.027	< 0.0121	NT	< 0.0121	0.0268 J	< 0.0121
Naphthalene	µg/L	NS	NS	100	10	<1	0.025 J	0.086	0.047 J	0.042 J	< 0.03	1.6 J	0.43	0.112	NT	0.091 J	4.3	0.097 J
Phenanthrene	µg/L	NS	NS	NS	NS	<0.04	<0.018	< 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
Pyrene	µg/L	NS	NS	250	50	<0.1	<0.025	< 0.0121	< 0.0121	< 0.0121	< 0.0121	<0.11	<0.025	0.0236 J	NT	< 0.0121	< 0.0121	0.0143 J

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

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					
Date:						4/5/13	10/4/19	1/3/20	3/31/20	7/7/20	9/30/10	4/4/13	10/2/19	12/31/19	4/3/20	7/14/20
BTEX																
Benzene	µg/L	0.67	0.067	5	0.5	<0.27	< 0.22	< 0.22	< 0.33	< 0.33	<0.2	<0.27	< 0.22	< 0.22	< 0.33	< 0.33
Ethylbenzene	µg/L	1360.0	272.0	700	140	<0.82	< 0.26	< 0.26	< 0.32	< 0.32	<0.2	<0.82	< 0.26	< 0.26	< 0.32	< 0.32
Xylenes, Total	µg/L	620.0	124.0	10,000	1,000	1.56 J	< 0.72	< 0.72	< 1.48	< 1.48	<0.6	<2.41	< 0.72	< 0.72	< 1.48	< 1.48
Toluene	µg/L	343.0	68.6	1,000	200	<0.8	< 0.19	< 0.19	< 0.26	< 0.26	<0.2	<0.8	< 0.19	< 0.19	< 0.26	< 0.26
PAHs																
Acenaphthene	µg/L	NS	NS	NS	NS	291	3.30	18.3	13.2	9.70	<0.52	0.028 J	< 0.0094	< 0.0094	< 0.0094	< 0.0094
Acenaphthylene	µg/L	NS	NS	NS	NS	2.45 J	0.106	0.40	0.219	0.264	<1	<0.02	< 0.0156	< 0.0156	< 0.0156	< 0.0156
Anthracene	µg/L	NS	NS	3,000	600	183	0.223	0.176 J	0.115	0.081 J	<0.021	0.048 J	0.0198 J	0.0255 J	0.0273 J	0.03 J
Benzo(a)anthracene	µg/L	NS	NS	NS	NS	<2.5	0.0255 J	0.137 J	0.145	0.06 J	<0.01	0.025	< 0.0131	< 0.02	< 0.02	0.0242 J
Benzo(a)pyrene	µg/L	NS	NS	0.2	0.02	<1.8	< 0.0167	< 0.0835	*0.047 J*	< 0.0334	<0.01	<0.018	< 0.0167	< 0.0167	< 0.0167	0.0194 J
Benzo(b)fluoranthene	µg/L	NS	NS	0.2	0.02	<2	< 0.016	< 0.08	*0.071 J*	< 0.032	<0.0084	<0.02	< 0.016	< 0.016	< 0.016	*0.0273 J*
Benzo(ghi)perylene	µg/L	NS	NS	NS	NS	<2.3	< 0.0142	< 0.071	< 0.0284	< 0.0284	<0.063	<0.023	< 0.0142	< 0.0142	< 0.0142	< 0.0142
Benzo(k)fluoranthene	µg/L	NS	NS	NS	NS	<2.7	< 0.0146	< 0.073	0.032 J	< 0.0292	<0.0084	<0.027	< 0.0146	< 0.0146	< 0.0146	0.0284 J
Chrysene	µg/L	NS	NS	0.2	0.02	<1.8	0.0163 J	< 0.0785	*0.102*	*0.046 J*	<0.063	<0.018	< 0.0157	< 0.0157	< 0.0157	*0.0243 J*
Dibenzo(a,h)anthracene	µg/L	NS	NS	NS	NS	<2.3	< 0.0173	< 0.0865	< 0.0346	< 0.0346	<0.021	<0.023	< 0.0173	< 0.0173	< 0.0173	< 0.0173
Fluoranthene	µg/L	NS	NS	400	80	14.4	0.76	1.74	1.84	1.18	<0.021	<0.026	< 0.0088	< 0.0088	< 0.0088	< 0.0088
Fluorene	µg/L	NS	NS	400	80	*162*	0.014 J	2.79	1.62	1.01	<0.1	0.029 J	< 0.0079	0.0083 J	< 0.0079	< 0.0079
Indeno(1,2,3-cd)pyrene	µg/L	NS	NS	NS	NS	<2.7	< 0.0121	< 0.0605	< 0.0242	< 0.0242	<0.042	<0.027	< 0.0121	< 0.0121	< 0.0121	< 0.0121
Naphthalene	µg/L	NS	NS	100	10	*64*	< 0.026	< 0.15	1.63	< 0.06	<1	0.38	< 0.026	0.037 J	0.036 J	< 0.03
Phenanthrene	µg/L	NS	NS	NS	NS	177	0.0307 J	< 0.0715	0.099	0.047 J	<0.042	0.044 J	< 0.0143	< 0.0143	< 0.0143	< 0.0143
Pyrene	µg/L	NS	NS	250	50	7.5 J	0.52	1.07	1.07	0.50	<0.1	<0.025	< 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

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-27S			MW-30S						MW-31S / MW-31SR				
Date:						9/27/10	4/4/13	10/7/19	9/28/10	4/4/13	10/9/19	1/3/20	3/31/20	7/7/20	9/29/10	10/3/19	12/31/19	4/7/20	7/9/20
BTEX																			
Benzene	µg/L	0.67	0.067	5	0.5	<0.2	<0.27		<0.2	<0.27	< 0.22	< 0.22	< 0.33	< 0.33	<0.2	< 0.22	< 0.22	< 0.33	< 0.33
Ethylbenzene	µg/L	1360.0	272.0	700	140	<0.2	<0.82		<0.2	<0.82	< 0.26	< 0.26	< 0.32	< 0.32	<0.2	< 0.26	< 0.26	< 0.32	< 0.32
Xylenes, Total	µg/L	620.0	124.0	10,000	1,000	<0.6	<2.41		<0.6	<2.41	< 0.72	< 0.72	< 1.48	< 1.48	<0.6	< 0.72	< 0.72	< 1.48	< 1.48
Toluene	µg/L	343.0	68.6	1,000	200	<0.2	<0.8		<0.2	<0.8	< 0.19	< 0.19	< 0.26	< 0.26	<0.2	< 0.19	< 0.19	< 0.26	< 0.26
PAHs																			
Acenaphthene	µg/L	NS	NS	NS	NS	<0.52	0.113		<0.53	<0.021	< 0.0094	< 0.0094	0.035	0.0107 J	<0.52	< 0.0094	0.0122 J	< 0.0094	0.0116 J
Acenaphthylene	µg/L	NS	NS	NS	NS	<1	0.022 J		<1.1	<0.02	< 0.0156	< 0.0156	< 0.0156	0.0228 J	<1	< 0.0156	0.017 J	< 0.0156	< 0.0156
Anthracene	µg/L	NS	NS	3,000	600	<0.021	0.14		<0.021	0.113	0.134	0.174	0.032 J	0.152	<0.021	< 0.015	0.0232 J	< 0.015	< 0.015
Benzo(a)anthracene	µg/L	NS	NS	NS	NS	<0.01	<0.025		<0.011	<0.025	0.0174 J	0.0233 J	0.0229 J	0.0207 J	<0.01	0.0199 J	0.0248 J	< 0.02	< 0.02
Benzo(a)pyrene	µg/L	NS	NS	0.2	0.02	<0.01	<0.018		<0.011	<0.018	< 0.0167	< 0.0167	0.0188 J	*0.026 J*	<0.01	< 0.0167	< 0.0167	< 0.0167	< 0.0167
Benzo(b)fluoranthene	µg/L	NS	NS	0.2	0.02	<0.0084	<0.02		<0.0084	<0.02	< 0.016	*0.0231 J*	*0.0242 J*	*0.035 J*	<0.0084	< 0.016	0.0186 J	< 0.016	< 0.016
Benzo(ghi)perylene	µg/L	NS	NS	NS	NS	<0.063	<0.023		<0.063	<0.023	< 0.0142	< 0.0142	0.0164 J	< 0.0142	<0.063	< 0.0142	0.0154 J	< 0.0142	< 0.0142
Benzo(k)fluoranthene	µg/L	NS	NS	NS	NS	<0.0084	<0.027		<0.0084	<0.027	< 0.0146	< 0.0146	0.0193 J	0.024 J	<0.0084	< 0.0146	0.0184 J	< 0.0146	< 0.0146
Chrysene	µg/L	NS	NS	0.2	0.02	<0.063	<0.018		<0.063	<0.018	< 0.0157	< 0.0157	< 0.0157	< 0.0157	<0.063	< 0.0157	0.017 J	< 0.0157	< 0.0157
Dibenzo(a,h)anthracene	µg/L	NS	NS	NS	NS	<0.021	<0.023		<0.021	<0.023	< 0.0173	< 0.0173	< 0.0173	< 0.0173	<0.021	< 0.0173	< 0.0173	< 0.0173	< 0.0173
Fluoranthene	µg/L	NS	NS	400	80	<0.021	0.037 J		<0.021	<0.026	0.01 J	0.0196 J	< 0.0088	0.0184 J	<0.021	< 0.0088	0.0159 J	< 0.0088	< 0.0088
Fluorene	µg/L	NS	NS	400	80	<0.1	0.075		<0.11	<0.02	0.0144 J	< 0.0079	0.0122 J	< 0.0079	<0.1	< 0.0079	0.0149 J	< 0.0079	< 0.0079
Indeno(1,2,3-cd)pyrene	µg/L	NS	NS	NS	NS	<0.042	<0.027		<0.042	<0.027	< 0.0121	< 0.0121	0.0161 J	0.0163 J	<0.042	< 0.0121	0.0139 J	< 0.0121	< 0.0121
Naphthalene	µg/L	NS	NS	100	10	<1	2.34		<1.1	0.024 J	0.047 J	0.051 J	0.042 J	< 0.03	<1	< 0.026	0.049 J	< 0.03	< 0.03
Phenanthrene	µg/L	NS	NS	NS	NS	0.073 J	0.106		0.046 J	0.029 J	< 0.0143	0.0199 J	0.097	0.015 J	<0.042	0.0177 J	0.0265 J	< 0.0143	< 0.0143
Pyrene	µg/L	NS	NS	250	50	<0.1	0.029 J		<0.11	<0.025	0.0158 J	0.0267 J	< 0.0121	0.0148 J	<0.1	< 0.0121	0.0157 J	< 0.0121	< 0.0121

obstructed

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
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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

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	DUP #1 3/31/20	7/7/20	DUP #1 7/7/20	9/28/10	4/4/13	10/4/19	12/31/19	3/31/20	7/8/20
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	< 0.33	<0.2	<0.27	< 0.22	< 0.22	< 0.48	< 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	< 0.32	0.5 J	<0.82	< 0.26	< 0.26	< 0.55	< 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	< 1.48	3.1	<2.41	< 0.72	< 0.72	3.71 J	< 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	< 0.26	0.3 J	<0.8	< 0.19	< 0.19	< 0.62	< 0.26
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	100	0.66	0.12	0.093	113	4.4
Acenaphthylene	µg/L	NS	NS	NS	NS	<1.1	<0.02	< 0.0468	0.0195 J	< 0.0156	< 0.0156	< 0.0156	< 0.0156	<1	<0.02	< 0.0156	0.0183 J	1.07 J	0.126 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	0.62	0.132	0.158	0.127	2.22 J	0.212 J
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	<0.01	<0.025	< 0.0131	0.0278 J	< 1	< 0.10
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	<0.01	<0.018	< 0.0167	< 0.0167	< 0.835	< 0.0835
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*	<0.0081	<0.02	< 0.016	*0.0241 J*	< 0.8	< 0.08
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	<0.061	<0.023	< 0.0142	0.0183 J	< 0.71	< 0.071
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	<0.0081	<0.027	< 0.0146	0.0181 J	< 0.73	< 0.073
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	<0.061	<0.018	< 0.0157	0.0193 J	< 0.785	< 0.0785
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	<0.02	<0.023	< 0.0173	< 0.0173	< 0.865	< 0.0865
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	0.028 J	<0.026	< 0.0088	0.0173 J	< 0.44	< 0.044
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	49	0.251	0.045	0.044	55	1.51
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	<0.04	<0.027	< 0.0121	0.0171 J	< 0.605	< 0.0605
Naphthalene	µg/L	NS	NS	100	10	<1.1	0.249	< 0.078	0.049 J	< 0.03	0.72	< 0.03	< 0.03	*100*	0.201	0.23	0.175	**226**	*17.8*
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	15	0.08	0.0201 J	0.033 J	22.6	0.50
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	<0.1	<0.025	< 0.0121	0.0146 J	< 0.605	< 0.0605

Notes:
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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

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			
Date:						9/28/10	4/4/13	10/9/19	DUP #3 10/9/19	1/3/20	3/31/20	7/7/20	4/5/13	10/9/19	1/8/20	3/31/20
BTEX																
Benzene	µg/L	0.67	0.067	5	0.5	**6.2**	**7**	< 0.22	< 0.22	< 0.22	< 0.33	< 0.33	<0.27	< 0.22	< 0.22	obstructed
Ethylbenzene	µg/L	1360.0	272.0	700	140	26	28.4	< 0.26	< 0.26	< 0.26	< 0.32	< 0.32	<0.82	< 0.26	< 0.26	
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	<2.41	< 0.72	< 0.72	
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	<0.8	< 0.19	< 0.19	
PAHs																
Acenaphthene	µg/L	NS	NS	NS	NS	2100	410	2.39	NT	5.00	5.1	0.82	0.059 J	0.0137 J	0.271	
Acenaphthylene	µg/L	NS	NS	NS	NS	<200	<20	0.048 J	NT	0.057	0.042 J	0.035 J	<0.02	< 0.0156	< 0.0156	
Anthracene	µg/L	NS	NS	3,000	600	450	88	0.271	NT	0.273	0.272	0.084	0.023 J	0.0163 J	< 0.015	
Benzo(a)anthracene	µg/L	NS	NS	NS	NS	310	54 J	0.033 J	NT	0.025 J	0.0246 J	< 0.02	<0.025	0.0243 J	0.0226 J	
Benzo(a)pyrene	µg/L	NS	NS	0.2	0.02	**120**	<18	< 0.0167	NT	< 0.0167	< 0.0167	< 0.0167	<0.018	< 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	<0.02	*0.0231 J*	< 0.016	
Benzo(ghi)perylene	µg/L	NS	NS	NS	NS	<61	<23	< 0.0142	NT	< 0.0142	< 0.0142	< 0.0142	<0.023	< 0.0142	< 0.0142	
Benzo(k)fluoranthene	µg/L	NS	NS	NS	NS	59	<27	< 0.0146	NT	< 0.0146	< 0.0146	< 0.0146	<0.027	< 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	<0.018	< 0.0157	< 0.0157	
Dibenzo(a,h)anthracene	µg/L	NS	NS	NS	NS	<23	<23	< 0.0173	NT	< 0.0173	< 0.0173	< 0.0173	<0.023	< 0.0173	< 0.0173	
Fluoranthene	µg/L	NS	NS	400	80	**1800**	*320*	0.44	NT	0.46	0.39	0.074	<0.026	0.028 J	0.0173 J	
Fluorene	µg/L	NS	NS	400	80	**1700**	*330*	1.56	NT	0.74	1.59	0.41	0.034 J	< 0.0079	0.089	
Indeno(1,2,3-cd)pyrene	µg/L	NS	NS	NS	NS	<49	<27	< 0.0121	NT	< 0.0121	< 0.0121	< 0.0121	<0.027	< 0.0121	< 0.0121	
Naphthalene	µg/L	NS	NS	100	10	**11000**	**4100**	0.304	NT	0.075 J	1.9	< 0.03	0.053 J	0.0308 J	3.60	
Phenanthrene	µg/L	NS	NS	NS	NS	4600	800	0.55	NT	0.033 J	0.081	0.08	0.057 J	0.0171 J	0.037 J	
Pyrene	µg/L	NS	NS	250	50	**1400**	*222*	0.267	NT	0.267	0.216	0.044	<0.025	0.0231 J	0.017 J	

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
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   - **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

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-35S					MW-37S					
Date:						9/28/10	10/7/19	1/8/20	4/2/20	7/9/20	9/29/10	4/4/13	10/7/19	12/31/19	4/7/20	7/10/20
BTEX																
Benzene	µg/L	0.67	0.067	5	0.5	<0.2	< 0.22	< 0.22	< 0.33	< 0.33	<0.2	<0.27	< 0.22	< 0.22	< 0.33	< 0.33
Ethylbenzene	µg/L	1360.0	272.0	700	140	<0.2	< 0.26	< 0.26	< 0.32	< 0.32	<0.2	<0.82	< 0.26	< 0.26	< 0.32	< 0.32
Xylenes, Total	µg/L	620.0	124.0	10,000	1,000	<0.6	< 0.72	< 0.72	< 1.48	< 1.48	<0.6	<2.41	< 0.72	< 0.72	< 1.48	< 1.48
Toluene	µg/L	343.0	68.6	1,000	200	<0.2	< 0.19	< 0.19	< 0.26	< 0.26	<0.2	<0.8	< 0.19	< 0.19	< 0.26	< 0.26
PAHs																
Acenaphthene	µg/L	NS	NS	NS	NS	0.6 J	2.68	8.3	27.1	21.0	<0.52	0.025 J	0.0259 J	0.036	< 0.0094	< 0.0094
Acenaphthylene	µg/L	NS	NS	NS	NS	<1.1	0.034 J	0.068	0.159 J	0.109 J	<1	<0.02	< 0.0156	0.042 J	< 0.0156	< 0.0156
Anthracene	µg/L	NS	NS	3,000	600	<0.022	0.16	0.078	< 0.15	0.157 J	<0.021	<0.02	0.0249 J	0.053	< 0.015	0.0185 J
Benzo(a)anthracene	µg/L	NS	NS	NS	NS	0.017 J	0.087	0.067	< 0.2	< 0.1	<0.01	<0.025	0.0168 J	0.047 J	0.042 J	< 0.02
Benzo(a)pyrene	µg/L	NS	NS	0.2	0.02	<0.011	*0.0241 J*	*0.032 J*	< 0.167	< 0.0835	*0.027 J*	<0.018	< 0.0167	*0.032 J*	0.0176 J	< 0.0167
Benzo(b)fluoranthene	µg/L	NS	NS	0.2	0.02	<0.0089	*0.048 J*	*0.042 J*	< 0.16	< 0.08	0.014 J	<0.02	< 0.016	*0.036 J*	*0.0205 J*	< 0.016
Benzo(ghi)perylene	µg/L	NS	NS	NS	NS	<0.067	0.0164 J	0.0254 J	< 0.142	< 0.071	0.08 J	<0.023	< 0.0142	0.0296 J	0.0187 J	< 0.0142
Benzo(k)fluoranthene	µg/L	NS	NS	NS	NS	<0.0089	0.0178 J	0.0295 J	< 0.146	< 0.073	0.01 J	<0.027	< 0.0146	0.038 J	0.0191 J	< 0.0146
Chrysene	µg/L	NS	NS	0.2	0.02	<0.067	*0.055*	*0.056*	< 0.157	< 0.0785	<0.062	<0.018	< 0.0157	*0.042 J*	*0.0255 J*	< 0.0157
Dibenzo(a,h)anthracene	µg/L	NS	NS	NS	NS	<0.022	< 0.0173	0.0193 J	< 0.173	< 0.0865	<0.021	<0.023	< 0.0173	0.032 J	< 0.0173	< 0.0173
Fluoranthene	µg/L	NS	NS	400	80	0.5	0.62	0.33	0.296	0.34	<0.021	<0.026	< 0.0088	0.041	0.015 J	< 0.0088
Fluorene	µg/L	NS	NS	400	80	0.12 J	0.279	0.161	0.34	0.184	<0.1	0.028 J	0.0146 J	0.046	< 0.0079	< 0.0079
Indeno(1,2,3-cd)pyrene	µg/L	NS	NS	NS	NS	<0.045	< 0.0121	0.025 J	< 0.121	< 0.0605	<0.041	<0.027	< 0.0121	0.0294 J	0.0172 J	< 0.0121
Naphthalene	µg/L	NS	NS	100	10	<1.1	0.219	0.44	< 0.3	< 0.15	<1	0.36	0.286	0.075 J	< 0.03	< 0.03
Phenanthrene	µg/L	NS	NS	NS	NS	0.053 J	0.0232 J	0.0263 J	< 0.143	< 0.0715	<0.041	0.037 J	< 0.0143	0.054	< 0.0143	< 0.0143
Pyrene	µg/L	NS	NS	250	50	0.36 J	0.42	0.231	0.212 J	0.227	<0.1	<0.025	< 0.0121	0.038 J	0.0163 J	< 0.0121

Notes:
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2. EPA ROD PAL = Preventive Action Limit within the EPA's 1990 Record of Decision for Moss America
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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

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-38S						MW-39S					
Date:						9/28/10	4/4/13	10/9/19	1/3/20	4/2/20	7/8/20	9/28/10	4/4/13	10/9/19	1/3/20	3/31/20	7/7/20
BTEX																	
Benzene	µg/L	0.67	0.067	5	0.5	**1.9**	***0.96***	< 0.22	< 0.22	< 0.33	< 0.33	<0.2	<0.27	< 0.22	< 0.22	< 0.33	< 0.33
Ethylbenzene	µg/L	1360.0	272.0	700	140	0.9 J	1.4 J	< 0.26	< 0.26	< 0.32	< 0.32	<0.2	<0.82	< 0.26	< 0.26	< 0.32	< 0.32
Xylenes, Total	µg/L	620.0	124.0	10,000	1,000	0.9 J	1.41 J	< 0.72	< 0.72	< 1.48	< 1.48	<0.6	<2.41	< 0.72	< 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	<0.2	<0.8	< 0.19	< 0.19	< 0.26	< 0.26
PAHs																	
Acenaphthene	µg/L	NS	NS	NS	NS	4	4.2	0.70	0.257	0.76	1.35	3.3	5.8	13.9	19.7	42	8.70
Acenaphthylene	µg/L	NS	NS	NS	NS	<3.2	0.153	0.0242 J	< 0.0156	0.033 J	0.057	<13	0.127	0.062 J	0.163 J	< 0.312	0.07
Anthracene	µg/L	NS	NS	3,000	600	<0.022	0.263	0.10	0.099	0.0186 J	0.107	0.13	0.136	0.101	0.101 J	< 0.3	0.084
Benzo(a)anthracene	µg/L	NS	NS	NS	NS	<0.011	0.039 J	0.0166 J	< 0.02	< 0.02	< 0.02	<0.011	0.069 J	0.036 J	0.139 J	< 0.4	0.049 J
Benzo(a)pyrene	µg/L	NS	NS	0.2	0.02	<0.011	*0.032 J*	< 0.0167	< 0.0167	< 0.0167	0.0186 J	<0.044	*0.027 J*	< 0.0334	< 0.0835	< 0.334	*0.036 J*
Benzo(b)fluoranthene	µg/L	NS	NS	0.2	0.02	<0.0089	*0.079*	< 0.016	< 0.016	< 0.016	*0.0235 J*	<0.0085	*0.057 J*	< 0.032	< 0.08	< 0.32	*0.058*
Benzo(ghi)perylene	µg/L	NS	NS	NS	NS	<0.067	0.077	< 0.0142	< 0.0142	< 0.0142	< 0.0142	<0.063	<0.023	< 0.0284	< 0.071	< 0.284	< 0.0142
Benzo(k)fluoranthene	µg/L	NS	NS	NS	NS	<0.0089	<0.027	< 0.0146	< 0.0146	< 0.0146	0.0197 J	<0.0085	<0.027	< 0.0292	< 0.073	< 0.292	0.021 J
Chrysene	µg/L	NS	NS	0.2	0.02	<0.067	*0.052 J*	< 0.0157	< 0.0157	< 0.0157	< 0.0157	<0.063	*0.054 J*	< 0.0314	< 0.0785	< 0.314	*0.042 J*
Dibenzo(a,h)anthracene	µg/L	NS	NS	NS	NS	<0.022	<0.023	< 0.0173	< 0.0173	< 0.0173	< 0.0173	<0.021	<0.023	< 0.0346	< 0.0865	< 0.346	< 0.0173
Fluoranthene	µg/L	NS	NS	400	80	<0.22	0.103	< 0.0088	< 0.0088	< 0.0088	< 0.0088	0.19	0.32	0.064	0.38	0.274 J	0.117
Fluorene	µg/L	NS	NS	400	80	<0.11	0.152	0.017 J	0.0153 J	0.025 J	0.038	1.1	0.73	0.70	0.98	3.13	0.33
Indeno(1,2,3-cd)pyrene	µg/L	NS	NS	NS	NS	<0.044	0.04 J	< 0.0121	< 0.0121	< 0.0121	0.0145 J	<0.042	<0.027	< 0.0242	< 0.0605	< 0.242	0.0141 J
Naphthalene	µg/L	NS	NS	100	10	*67*	8.1	0.04 J	0.159	0.079 J	0.069 J	<1.1	0.211	0.103 J	< 0.15	1.18 J	0.033 J
Phenanthrene	µg/L	NS	NS	NS	NS	<0.044	0.15	0.0169 J	0.0165 J	0.094	0.0182 J	0.056 J	0.252	< 0.0286	< 0.0715	< 0.286	0.02 J
Pyrene	µg/L	NS	NS	250	50	<0.11	0.092	< 0.0121	< 0.0121	< 0.0121	< 0.0121	0.15 J	0.216	0.046 J	0.282	< 0.242	0.09

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

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	TG1-1 / TG1-1R								TG1-2			
									DUP #1			DUP #3					
Date:						9/29/10	4/3/13	10/4/19	10/4/19	1/7/20	4/1/20	4/1/20	7/8/20	10/4/19	1/7/20	3/31/20	7/8/20
BTEX																	
Benzene	µg/L	0.67	0.067	5	0.5	*0.3 J*	<0.27	< 0.22	< 0.22	< 0.22	< 0.33	< 0.33	< 0.33	< 0.22	< 0.22	< 0.33	< 0.33
Ethylbenzene	µg/L	1360.0	272.0	700	140	30	18.4	< 0.26	< 0.26	< 0.26	< 0.32	< 0.32	< 0.32	< 0.26	< 0.26	< 0.32	< 0.32
Xylenes, Total	µg/L	620.0	124.0	10,000	1,000	55	31.3	< 0.72	< 0.72	< 0.72	< 1.48	< 1.48	< 1.48	< 0.72	< 0.72	< 1.48	< 1.48
Toluene	µg/L	343.0	68.6	1,000	200	<0.2	<0.8	< 0.19	< 0.19	< 0.19	< 0.26	< 0.26	< 0.26	< 0.19	< 0.19	< 0.26	< 0.26
PAHs																	
Acenaphthene	µg/L	NS	NS	NS	NS	90000	262	0.167	NT	1.10	1.18	1.25	0.37	12.1	17.4	16.5	14.6
Acenaphthylene	µg/L	NS	NS	NS	NS	4000 J	<10	< 0.0156	NT	0.0192 J	0.0189 J	0.0181 J	0.0209 J	0.065 J	0.122 J	0.094 J	< 0.078
Anthracene	µg/L	NS	NS	3,000	600	**20,000**	23.6 J	0.0312 J	NT	0.09	0.149	0.161	0.076	0.229	0.176 J	0.208 J	0.223 J
Benzo(a)anthracene	µg/L	NS	NS	NS	NS	14000	<12.5	0.0198 J	NT	0.0248 J	0.038 J	0.043 J	< 0.02	0.077 J	0.159 J	0.124 J	< 0.1
Benzo(a)pyrene	µg/L	NS	NS	0.2	0.02	**7300**	<9	< 0.0167	NT	< 0.0167	< 0.0167	*0.0213 J*	< 0.0167	< 0.0334	< 0.0835	< 0.0835	< 0.0835
Benzo(b)fluoranthene	µg/L	NS	NS	0.2	0.02	**4900**	<10	*0.0213 J*	NT	< 0.016	0.018 J	*0.032 J*	< 0.016	*0.035 J*	< 0.08	< 0.08	< 0.08
Benzo(ghi)perylene	µg/L	NS	NS	NS	NS	3000	<11.5	0.0201 J	NT	< 0.0142	< 0.0142	0.0219 J	< 0.0142	< 0.0284	< 0.071	< 0.071	< 0.071
Benzo(k)fluoranthene	µg/L	NS	NS	NS	NS	2900	<13.5	0.0175 J	NT	< 0.0146	< 0.0146	0.0205 J	< 0.0146	< 0.0292	< 0.073	< 0.073	< 0.073
Chrysene	µg/L	NS	NS	0.2	0.02	**14000**	<9	< 0.0157	NT	< 0.0157	*0.0283 J*	*0.032 J*	< 0.0157	*0.052 J*	< 0.0785	< 0.0785	< 0.0785
Dibenzo(a,h)anthracene	µg/L	NS	NS	NS	NS	1200	<11.5	< 0.0173	NT	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0346	< 0.0865	< 0.0865	< 0.0865
Fluoranthene	µg/L	NS	NS	400	80	**82000**	28.1 J	0.087	NT	0.34	0.55	0.54	0.185	0.87	0.98	0.84	0.71
Fluorene	µg/L	NS	NS	400	80	**75000**	*135*	0.0214 J	NT	0.0233 J	0.113	0.125	0.0309	2.31	3.05	3.2	0.89
Indeno(1,2,3-cd)pyrene	µg/L	NS	NS	NS	NS	2600	<13.5	0.0197 J	NT	< 0.0121	< 0.0121	0.0201 J	< 0.0121	< 0.0242	< 0.0605	< 0.0605	< 0.0605
Naphthalene	µg/L	NS	NS	100	10	**110000**	**1950**	< 0.026	NT	< 0.03	0.111	0.107	< 0.03	< 0.052	< 0.15	0.34 J	< 0.15
Phenanthrene	µg/L	NS	NS	NS	NS	200000	113	< 0.0143	NT	0.039 J	0.157	0.169	< 0.0143	0.097	0.124 J	0.106 J	< 0.0715
Pyrene	µg/L	NS	NS	250	50	**57000**	17.7 J	0.102	NT	0.213	0.33	0.33	0.12	0.52	0.59	0.5	0.289

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

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	TG1-3						TG2-1					
Date:						9/29/10	4/3/13	10/4/19	1/8/20	3/31/20	7/8/20	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	<0.2	<0.27	< 0.22	< 0.22	< 0.33	< 0.33	<0.2	<0.27	< 0.22	< 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	<0.2	<0.82	< 0.26	< 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	<0.6	<2.41	< 0.72	< 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	<0.2	<0.8	< 0.19	< 0.19	< 0.26	< 0.26
PAHs																	
Acenaphthene	µg/L	NS	NS	NS	NS	2.9	1.77	1.16	1.99	2.32	1.93	<0.58	<0.021	< 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	<1.2	<0.02	< 0.0156	< 0.0156	< 0.0156	< 0.0156
Anthracene	µg/L	NS	NS	3,000	600	0.12	0.113	0.063	0.0178 J	0.0214 J	0.062	<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	<0.01	0.025 J	0.0154 J	< 0.02	0.0208 J	< 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	<0.01	<0.018	< 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	<0.0083	<0.02	< 0.016	< 0.016	0.0184 J	< 0.016	<0.0093	<0.02	< 0.016	< 0.016	0.0174 J	< 0.016
Benzo(ghi)perylene	µg/L	NS	NS	NS	NS	<0.062	<0.023	< 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	<0.0083	<0.027	< 0.0146	< 0.0146	0.0154 J	< 0.0146	<0.0093	<0.027	< 0.0146	< 0.0146	< 0.0146	< 0.0146
Chrysene	µg/L	NS	NS	0.2	0.02	<0.062	<0.018	< 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	<0.021	<0.023	< 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	27	0.155	0.097	0.111	0.075	0.073	<0.023	<0.026	< 0.0088	< 0.0088	< 0.0088	< 0.0088
Fluorene	µg/L	NS	NS	400	80	1.4	0.259	0.051	0.189	0.117	0.111	<0.12	<0.02	< 0.0079	< 0.0079	< 0.0079	< 0.0079
Indeno(1,2,3-cd)pyrene	µg/L	NS	NS	NS	NS	<0.041	<0.027	< 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	<1	0.024 J	< 0.026	0.066 J	< 0.03	< 0.03	<1.2	<0.023	< 0.026	< 0.03	0.05 J	< 0.03
Phenanthrene	µg/L	NS	NS	NS	NS	0.59	0.035 J	< 0.0143	0.045 J	0.063	< 0.0143	<0.046	<0.018	< 0.0143	< 0.0143	< 0.0143	< 0.0143
Pyrene	µg/L	NS	NS	250	50	0.16 J	0.104	0.058	0.057	0.039	0.038 J	<0.12	<0.025	< 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
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   - **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

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				
Date:						10/3/19	1/7/20	DUP #4 1/7/20	4/1/20	7/8/20	9/29/10	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	< 0.22	< 0.33	< 0.33	<0.2	< 0.22	< 0.22	< 0.33	< 0.33
Ethylbenzene	µg/L	1360.0	272.0	700	140	< 0.26	< 0.26	< 0.26	< 0.32	< 0.32	<0.2	< 0.26	< 0.26	< 0.32	< 0.32
Xylenes, Total	µg/L	620.0	124.0	10,000	1,000	< 0.72	< 0.72	< 0.72	< 1.48	< 1.48	<0.6	< 0.72	< 0.72	< 1.48	< 1.48
Toluene	µg/L	343.0	68.6	1,000	200	< 0.19	< 0.19	< 0.19	< 0.26	< 0.26	<0.2	< 0.19	< 0.19	< 0.26	< 0.26
PAHs															
Acenaphthene	µg/L	NS	NS	NS	NS	0.047	0.067	NT	0.085	0.043	<0.55	< 0.0094	< 0.0094	< 0.0094	< 0.0094
Acenaphthylene	µg/L	NS	NS	NS	NS	0.097	0.061	NT	0.224	0.0189 J	<1.1	< 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	<0.022	0.032 J	0.0211 J	0.0245 J	0.046 J
Benzo(a)anthracene	µg/L	NS	NS	NS	NS	0.115	0.071	NT	0.34	< 0.02	<0.011	0.0205 J	< 0.02	0.028 J	< 0.02
Benzo(a)pyrene	µg/L	NS	NS	0.2	0.02	*0.114*	*0.069*	NT	**0.41**	0.0178 J	<0.011	< 0.0167	< 0.0167	0.0171 J	< 0.0167
Benzo(b)fluoranthene	µg/L	NS	NS	0.2	0.02	**0.315**	*0.169*	NT	**0.93**	*0.04 J*	<0.0088	*0.0273 J*	< 0.016	*0.0255 J*	< 0.016
Benzo(ghi)perylene	µg/L	NS	NS	NS	NS	0.225	0.13	NT	0.61	0.032 J	<0.066	< 0.0142	< 0.0142	0.0181 J	< 0.0142
Benzo(k)fluoranthene	µg/L	NS	NS	NS	NS	0.08	0.051	NT	0.238	0.017 J	<0.0088	0.0207 J	< 0.0146	0.0148 J	< 0.0146
Chrysene	µg/L	NS	NS	0.2	0.02	*0.137*	*0.093*	NT	**0.4**	*0.0222 J*	<0.066	< 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	<0.022	< 0.0173	< 0.0173	< 0.0173	< 0.0173
Fluoranthene	µg/L	NS	NS	400	80	0.279	0.183	NT	0.74	0.05	0.026 J	0.0177 J	0.0175 J	0.0179 J	< 0.0088
Fluorene	µg/L	NS	NS	400	80	0.0263	0.0192 J	NT	0.046	0.009 J	<0.11	< 0.0079	< 0.0079	0.01 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	<0.044	< 0.0121	< 0.0121	0.0143 J	< 0.0121
Naphthalene	µg/L	NS	NS	100	10	< 0.026	< 0.03	NT	0.054 J	< 0.03	<1.1	< 0.026	< 0.03	0.074 J	< 0.03
Phenanthrene	µg/L	NS	NS	NS	NS	0.069	0.043 J	NT	0.188	0.0148 J	<0.044	< 0.0143	< 0.0143	< 0.0143	< 0.0143
Pyrene	µg/L	NS	NS	250	50	0.262	0.176	NT	0.7	0.046	<0.11	0.0156 J	0.0145 J	0.0138 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

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	10/3/19	1/7/20	4/2/20	7/9/20
BTEX															
Benzene	µg/L	0.67	0.067	5	0.5	<0.2	<0.27	< 0.22	< 0.22	< 0.33	< 0.33	< 0.22	< 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	< 0.26	< 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	< 0.72	< 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	< 0.19	< 0.19	< 0.26	< 0.26
PAHs															
Acenaphthene	µg/L	NS	NS	NS	NS	<0.54	0.099	0.189	0.167	0.146	0.164	0.087	0.127	0.114	0.163
Acenaphthylene	µg/L	NS	NS	NS	NS	<1.1	0.056 J	< 0.0156	0.0223 J	< 0.0156	0.063	0.0252 J	0.0234 J	0.0221 J	< 0.0156
Anthracene	µg/L	NS	NS	3,000	600	<0.022	0.189	0.106	0.072	0.094	0.205	0.116	0.072	0.102	0.082
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	0.04 J	0.034 J	0.035 J	< 0.02
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*	*0.0246 J*	0.0198 J	*0.0252 J*	< 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*	*0.07*	*0.038 J*	*0.059*	< 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	0.049	0.033 J	0.038 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	0.0261 J	0.0175 J	0.0181 J	< 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*	*0.034 J*	*0.0213 J*	*0.0294 J*	< 0.0157
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
Fluoranthene	µg/L	NS	NS	400	80	0.062 J	0.244	0.05	0.057	0.035	0.158	0.077	0.059	0.073	0.0259 J
Fluorene	µg/L	NS	NS	400	80	0.12 J	0.068	0.026	0.056	0.0211 J	0.033	0.0139 J	0.016 J	0.0091 J	0.0112 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	0.031 J	0.0236 J	0.0269 J	0.0145 J
Naphthalene	µg/L	NS	NS	100	10	<1.1	0.024 J	< 0.026	< 0.03	0.032 J	< 0.03	< 0.026	< 0.03	0.036 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	0.0246 J	0.0239 J	0.0237 J	< 0.0143
Pyrene	µg/L	NS	NS	250	50	<0.11	0.199	0.036 J	0.049	0.0283 J	0.121	0.069	0.052	0.064	0.018 J

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

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				
Date:						9/29/10	10/3/19	1/8/20	4/2/20	7/9/20	9/29/10	10/8/19	12/31/19	4/2/20	7/9/20
BTEX															
Benzene	µg/L	0.67	0.067	5	0.5	<0.2	< 0.22	< 0.22	< 0.33	< 0.33	<0.2	< 0.22	< 0.22	< 0.33	< 0.33
Ethylbenzene	µg/L	1360.0	272.0	700	140	<0.2	< 0.26	< 0.26	< 0.32	< 0.32	<0.2	< 0.26	< 0.26	< 0.32	< 0.32
Xylenes, Total	µg/L	620.0	124.0	10,000	1,000	<0.6	< 0.72	< 0.72	< 1.48	< 1.48	<0.6	< 0.72	< 0.72	< 1.48	< 1.48
Toluene	µg/L	343.0	68.6	1,000	200	<0.2	< 0.19	< 0.19	< 0.26	< 0.26	<0.2	< 0.19	< 0.19	< 0.26	< 0.26
PAHs															
Acenaphthene	µg/L	NS	NS	NS	NS	<0.52	0.27	0.37	0.223	0.235	<0.54	< 0.0094	0.0226 J	< 0.0094	< 0.0094
Acenaphthylene	µg/L	NS	NS	NS	NS	<1	0.038 J	0.0193 J	0.0177 J	< 0.0156	<1.1	< 0.0156	0.0302 J	< 0.0156	< 0.0156
Anthracene	µg/L	NS	NS	3,000	600	0.023 J	0.196	0.073	0.125	0.096	<0.022	0.091	0.088	0.059	0.052
Benzo(a)anthracene	µg/L	NS	NS	NS	NS	<0.01	0.062	0.0308 J	0.038 J	< 0.02	<0.011	0.0139 J	0.034 J	< 0.02	< 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	<0.011	< 0.0167	*0.0224 J*	< 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	<0.0086	< 0.016	*0.0251 J*	< 0.016	< 0.016
Benzo(ghi)perylene	µg/L	NS	NS	NS	NS	<0.062	0.072	0.0217 J	0.039 J	< 0.0142	<0.065	< 0.0142	0.0203 J	< 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	<0.0086	< 0.0146	0.0243 J	< 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	<0.065	< 0.0157	*0.0281 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	<0.022	< 0.0173	0.0218 J	< 0.0173	< 0.0173
Fluoranthene	µg/L	NS	NS	400	80	0.061 J	0.222	0.073	0.105	0.0266 J	<0.022	< 0.0088	0.029	< 0.0088	< 0.0088
Fluorene	µg/L	NS	NS	400	80	0.15 J	0.05	0.06	0.0259	0.0136 J	<0.11	< 0.0079	0.0285	< 0.0079	< 0.0079
Indeno(1,2,3-cd)pyrene	µg/L	NS	NS	NS	NS	<0.042	0.042	0.0152 J	0.0298 J	< 0.0121	<0.043	< 0.0121	0.0201 J	< 0.0121	< 0.0121
Naphthalene	µg/L	NS	NS	100	10	<1	< 0.026	1.28	0.035 J	< 0.03	<1.1	0.032 J	0.058 J	0.046 J	< 0.03
Phenanthrene	µg/L	NS	NS	NS	NS	0.1 J	0.155	0.111	0.11	0.069	<0.043	< 0.0143	0.037 J	< 0.0143	< 0.0143
Pyrene	µg/L	NS	NS	250	50	<0.1	0.178	0.058	0.087	0.0192 J	<0.11	< 0.0121	0.0267 J	< 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

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	TG4-2				TG4-3					
Date:						10/8/19	12/31/19	4/2/20	7/9/20	9/29/10	4/3/13	10/8/19	12/31/19	4/2/20	7/9/20
BTEX															
Benzene	µg/L	0.67	0.067	5	0.5	< 0.22	< 0.22	< 0.33	< 0.33	<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	<0.2	<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	<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	<0.2	<0.8	< 0.19	< 0.19	< 0.26	< 0.26
PAHs															
Acenaphthene	µg/L	NS	NS	NS	NS	0.252	0.63	0.306	0.235	<0.52	<0.021	< 0.0094	0.0135 J	< 0.0094	< 0.0094
Acenaphthylene	µg/L	NS	NS	NS	NS	< 0.0156	0.036 J	< 0.0156	< 0.0156	<1	0.021 J	< 0.0156	0.0227 J	0.0164 J	< 0.0156
Anthracene	µg/L	NS	NS	3,000	600	0.144	0.109	0.08	0.086	<0.021	0.127	0.12	0.078	0.084	0.07
Benzo(a)anthracene	µg/L	NS	NS	NS	NS	0.0289 J	0.051 J	0.0279 J	< 0.02	<0.01	0.033 J	0.0208 J	0.0313 J	0.0247 J	< 0.02
Benzo(a)pyrene	µg/L	NS	NS	0.2	0.02	< 0.0167	*0.028 J*	< 0.0167	< 0.0167	<0.01	*0.024 J*	< 0.0167	*0.0235 J*	< 0.0167	< 0.0167
Benzo(b)fluoranthene	µg/L	NS	NS	0.2	0.02	0.0196 J	*0.049 J*	0.0175 J	< 0.016	<0.0084	*0.044 J*	< 0.016	*0.0315 J*	*0.0253 J*	< 0.016
Benzo(ghi)perylene	µg/L	NS	NS	NS	NS	< 0.0142	0.039 J	< 0.0142	< 0.0142	<0.063	0.042 J	0.0152 J	0.0285 J	0.0272 J	0.0181 J
Benzo(k)fluoranthene	µg/L	NS	NS	NS	NS	< 0.0146	0.022 J	< 0.0146	< 0.0146	<0.0084	<0.027	< 0.0146	0.0227 J	< 0.0146	< 0.0146
Chrysene	µg/L	NS	NS	0.2	0.02	0.0159 J	*0.041 J*	< 0.0157	< 0.0157	<0.063	*0.023 J*	< 0.0157	*0.0263 J*	< 0.0157	< 0.0157
Dibenzo(a,h)anthracene	µg/L	NS	NS	NS	NS	< 0.0173	< 0.0173	< 0.0173	< 0.0173	<0.021	<0.023	< 0.0173	< 0.0173	< 0.0173	< 0.0173
Fluoranthene	µg/L	NS	NS	400	80	0.169	0.305	0.131	0.113	<0.021	0.083 J	0.025 J	0.034	0.035	0.0118 J
Fluorene	µg/L	NS	NS	400	80	< 0.0079	0.0209 J	< 0.0079	< 0.0079	<0.1	<0.02	< 0.0079	0.0165 J	< 0.0079	< 0.0079
Indeno(1,2,3-cd)pyrene	µg/L	NS	NS	NS	NS	< 0.0121	0.0284 J	< 0.0121	< 0.0121	<0.042	<0.027	< 0.0121	0.0215 J	0.0171 J	0.0176 J
Naphthalene	µg/L	NS	NS	100	10	0.036 J	0.054 J	< 0.03	< 0.03	<1	<0.023	0.048 J	0.051 J	0.035 J	< 0.03
Phenanthrene	µg/L	NS	NS	NS	NS	0.0166 J	0.0304 J	0.0146 J	< 0.0143	<0.042	0.037 J	< 0.0143	0.0232 J	< 0.0143	< 0.0143
Pyrene	µg/L	NS	NS	250	50	0.123	0.217	0.104	0.077	<0.1	0.071 J	0.0245 J	0.034 J	0.032 J	< 0.0121

Notes:
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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

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	TG5-1							TG5-2					
Date:						9/29/10	4/3/13	10/2/19	1/7/20	4/3/20	7/10/20	DUP #3 7/10/20	10/7/19	1/7/20	DUP #6 1/7/20	4/3/20	DUP #4 4/3/20	7/10/20
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	< 0.22	< 0.22	< 0.22	< 0.33	< 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	< 0.26	< 0.26	< 0.26	< 0.32	< 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	< 0.72	< 0.72	< 0.72	< 1.48	< 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	< 0.19	< 0.19	< 0.19	< 0.26	< 0.26	< 0.26
PAHs																		
Acenaphthene	µg/L	NS	NS	NS	NS	<0.52	<0.021	< 0.0094	< 0.0094	< 0.0094	< 0.0094	0.0122 J	0.036	0.036	NT	0.0121 J	0.012 J	< 0.0094
Acenaphthylene	µg/L	NS	NS	NS	NS	<1	<0.02	< 0.0156	< 0.0156	< 0.0156	0.0312 J	0.052	0.17	0.095	NT	0.06	0.081	< 0.0156
Anthracene	µg/L	NS	NS	3,000	600	<0.021	0.054 J	0.038 J	0.0294 J	0.064	0.102	0.146	0.32	0.12	NT	0.133	0.151	0.12
Benzo(a)anthracene	µg/L	NS	NS	NS	NS	<0.01	<0.025	0.074	0.0224 J	< 0.02	< 0.02	0.0264 J	0.082	0.055 J	NT	0.034 J	0.055 J	< 0.02
Benzo(a)pyrene	µg/L	NS	NS	0.2	0.02	<0.01	<0.018	< 0.0167	< 0.0167	< 0.0167	0.0198 J	*0.04 J*	*0.166*	*0.091*	NT	*0.052 J*	*0.095*	< 0.0167
Benzo(b)fluoranthene	µg/L	NS	NS	0.2	0.02	<0.0084	<0.02	*0.056*	< 0.016	< 0.016	*0.037 J*	*0.057*	**0.217**	*0.10*	NT	*0.056*	*0.108*	< 0.016
Benzo(ghi)perylene	µg/L	NS	NS	NS	NS	<0.063	<0.023	0.034 J	0.0151 J	< 0.0142	0.037 J	0.065	0.288	0.152	NT	0.077	0.148	< 0.0142
Benzo(k)fluoranthene	µg/L	NS	NS	NS	NS	<0.0084	<0.027	0.051	< 0.0146	< 0.0146	0.016 J	0.0229 J	0.06	0.027 J	NT	0.0146 J	0.036 J	< 0.0146
Chrysene	µg/L	NS	NS	0.2	0.02	<0.063	<0.018	*0.065*	< 0.0157	< 0.0157	< 0.0157	*0.032 J*	*0.074*	*0.041 J*	NT	*0.029 J*	*0.036 J*	< 0.0157
Dibenzo(a,h)anthracene	µg/L	NS	NS	NS	NS	<0.021	<0.023	0.0265 J	< 0.0173	< 0.0173	< 0.0173	< 0.0173	0.057	0.0225 J	NT	< 0.0173	0.0316 J	< 0.0173
Fluoranthene	µg/L	NS	NS	400	80	<0.021	<0.026	0.051	0.0097 J	< 0.0088	0.0186 J	0.039	0.218	0.101	NT	0.079	0.107	0.044
Fluorene	µg/L	NS	NS	400	80	<0.1	<0.02	< 0.0079	0.0088 J	< 0.0079	< 0.0079	0.0149 J	< 0.0079	< 0.0079	NT	< 0.0079	< 0.0079	< 0.0079
Indeno(1,2,3-cd)pyrene	µg/L	NS	NS	NS	NS	<0.042	<0.027	0.0278 J	< 0.0121	< 0.0121	0.0259 J	0.041	0.164	0.098	NT	0.049	0.104	< 0.0121
Naphthalene	µg/L	NS	NS	100	10	<1	<0.023	< 0.026	< 0.03	0.032 J	< 0.03	< 0.03	0.222	< 0.03	NT	0.036 J	< 0.03	< 0.03
Phenanthrene	µg/L	NS	NS	NS	NS	<0.042	0.027 J	< 0.0143	< 0.0143	< 0.0143	< 0.0143	0.0223 J	0.0223 J	0.018 J	NT	0.0149 J	0.0179 J	< 0.0143
Pyrene	µg/L	NS	NS	250	50	<0.1	<0.025	0.051	0.0122 J	< 0.0121	0.0248 J	0.049	0.229	0.117	NT	0.086	0.12	0.04

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

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	TG5-3						TG6-1					
Date:						9/29/10	4/3/13	10/2/19	12/31/19	4/3/20	7/10/20	9/29/10	4/3/13	10/3/19	12/31/19	4/7/20	7/10/20
BTEX																	
Benzene	µg/L	0.67	0.067	5	0.5	<0.2	<0.27	< 0.22	< 0.22	< 0.33	< 0.33	<0.2	<0.27	< 0.22	< 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	<0.2	<0.82	< 0.26	< 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	<0.6	<2.41	< 0.72	< 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	<0.2	<0.8	< 0.19	< 0.19	< 0.26	< 0.26
PAHs																	
Acenaphthene	µg/L	NS	NS	NS	NS	<0.52	<0.021	< 0.0094	0.0149 J	< 0.0094	< 0.0094	0.63 J	0.232	0.277	0.35	0.251	0.51
Acenaphthylene	µg/L	NS	NS	NS	NS	<1	<0.02	< 0.0156	0.0188 J	< 0.0156	< 0.0156	<1.1	<0.02	< 0.0156	< 0.0156	< 0.0156	< 0.0156
Anthracene	µg/L	NS	NS	3,000	600	<0.021	0.087	0.046 J	0.073	0.081	0.091	0.023 J	0.031 J	0.0204 J	0.032 J	0.0239 J	0.04 J
Benzo(a)anthracene	µg/L	NS	NS	NS	NS	<0.01	<0.025	0.0239 J	0.062 J	< 0.02	< 0.02	<0.011	<0.025	0.0261 J	0.054 J	0.0305 J	0.035 J
Benzo(a)pyrene	µg/L	NS	NS	0.2	0.02	<0.01	<0.018	< 0.0167	*0.044 J*	< 0.0167	< 0.0167	<0.011	<0.018	< 0.0167	*0.042 J*	< 0.0167	*0.033 J*
Benzo(b)fluoranthene	µg/L	NS	NS	0.2	0.02	<0.0083	<0.02	0.0187 J	*0.06*	< 0.016	< 0.016	<0.0091	<0.02	0.0192 J	*0.048 J*	0.0176 J	*0.043 J*
Benzo(ghi)perylene	µg/L	NS	NS	NS	NS	<0.062	<0.023	< 0.0142	0.049	< 0.0142	< 0.0142	<0.068	<0.023	0.0195 J	0.043 J	< 0.0142	0.0158 J
Benzo(k)fluoranthene	µg/L	NS	NS	NS	NS	<0.0083	<0.027	< 0.0146	0.054	< 0.0146	< 0.0146	<0.0091	<0.07	0.0157 J	0.048	< 0.0146	0.039 J
Chrysene	µg/L	NS	NS	0.2	0.02	<0.062	<0.018	< 0.0157	*0.061*	< 0.0157	< 0.0157	<0.068	<0.018	0.018 J	*0.051*	0.0181 J	*0.048 J*
Dibenzo(a,h)anthracene	µg/L	NS	NS	NS	NS	<0.021	<0.023	< 0.0173	0.042 J	< 0.0173	< 0.0173	<0.023	<0.023	< 0.0173	0.04 J	< 0.0173	0.0208 J
Fluoranthene	µg/L	NS	NS	400	80	0.051 J	0.096	0.0176 J	0.047	0.0099 J	0.0144 J	0.047 J	0.069 J	0.0286	0.042	0.0227 J	0.0155 J
Fluorene	µg/L	NS	NS	400	80	<0.1	<0.02	< 0.0079	0.0154 J	< 0.0079	< 0.0079	0.22 J	0.048 J	0.0278	0.0307	0.017 J	0.021 J
Indeno(1,2,3-cd)pyrene	µg/L	NS	NS	NS	NS	<0.041	<0.027	< 0.0121	0.046	< 0.0121	< 0.0121	<0.045	<0.027	0.0145 J	0.039	0.0125 J	0.0182 J
Naphthalene	µg/L	NS	NS	100	10	<1	<0.023	< 0.026	0.045 J	0.032 J	< 0.03	<1.1	<0.023	< 0.026	0.042 J	0.038 J	< 0.03
Phenanthrene	µg/L	NS	NS	NS	NS	<0.041	0.027 J	< 0.0143	0.0249 J	< 0.0143	< 0.0143	<0.045	0.025 J	< 0.0143	0.0204 J	0.0146 J	< 0.0143
Pyrene	µg/L	NS	NS	250	50	<0.1	0.103	0.0242 J	0.057	0.0163 J	0.0221 J	<0.11	0.055 J	0.0222 J	0.039	0.0201 J	< 0.0121

Notes:
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3. NR 140 ES = Wisconsin Administrative Code, Chapter NR 140 Enforcement Standard
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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

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	TG6-2				TG6-3					
Date:						10/3/19	1/10/20	4/7/20	7/10/20	9/29/10	4/3/13	10/3/19	12/31/19	4/7/20	7/10/20
BTEX															
Benzene	µg/L	0.67	0.067	5	0.5	< 0.22	< 0.22	< 0.33	< 0.33	<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	<0.2	<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	<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	<0.2	<0.8	< 0.19	< 0.19	< 0.26	< 0.26
PAHs															
Acenaphthene	µg/L	NS	NS	NS	NS	0.0108 J	0.0191 J	0.0219 J	< 0.0094	<0.52	<0.021	< 0.0094	0.0098 J	< 0.0094	< 0.0094
Acenaphthylene	µg/L	NS	NS	NS	NS	< 0.0156	< 0.0156	< 0.0156	< 0.0156	<1	<0.02	< 0.0156	< 0.0156	< 0.0156	< 0.0156
Anthracene	µg/L	NS	NS	3,000	600	0.041 J	0.0236 J	0.033 J	0.054	<0.021	0.042 J	0.019 J	0.0258 J	0.04 J	0.0211 J
Benzo(a)anthracene	µg/L	NS	NS	NS	NS	0.044	0.0265 J	0.0247 J	0.0277 J	<0.01	<0.025	0.0145 J	0.0238 J	< 0.02	< 0.02
Benzo(a)pyrene	µg/L	NS	NS	0.2	0.02	< 0.0167	< 0.0167	< 0.0167	*0.032 J*	<0.01	<0.018	< 0.0167	< 0.0167	< 0.0167	< 0.0167
Benzo(b)fluoranthene	µg/L	NS	NS	0.2	0.02	*0.037 J*	< 0.016	< 0.016	*0.037 J*	<0.0084	<0.02	< 0.016	0.0163 J	< 0.016	< 0.016
Benzo(ghi)perylene	µg/L	NS	NS	NS	NS	< 0.0142	< 0.0142	< 0.0142	0.0185 J	<0.063	<0.023	< 0.0142	< 0.0142	< 0.0142	< 0.0142
Benzo(k)fluoranthene	µg/L	NS	NS	NS	NS	< 0.0146	< 0.0146	< 0.0146	0.038 J	<0.0084	<0.027	< 0.0146	< 0.0146	< 0.0146	< 0.0146
Chrysene	µg/L	NS	NS	0.2	0.02	*0.0301 J*	< 0.0157	< 0.0157	*0.033 J*	<0.063	<0.018	< 0.0157	0.0163 J	< 0.0157	< 0.0157
Dibenzo(a,h)anthracene	µg/L	NS	NS	NS	NS	< 0.0173	< 0.0173	< 0.0173	0.0192 J	<0.021	<0.023	< 0.0173	< 0.0173	< 0.0173	< 0.0173
Fluoranthene	µg/L	NS	NS	400	80	0.18	0.067	0.071	0.079	0.083 J	0.069 J	0.036	0.043	0.0172 J	0.0117 J
Fluorene	µg/L	NS	NS	400	80	< 0.0079	0.0181 J	0.0149 J	< 0.0079	<0.1	<0.02	< 0.0079	0.0106 J	< 0.0079	< 0.0079
Indeno(1,2,3-cd)pyrene	µg/L	NS	NS	NS	NS	< 0.0121	< 0.0121	< 0.0121	0.0217 J	<0.042	<0.027	< 0.0121	0.0124 J	< 0.0121	< 0.0121
Naphthalene	µg/L	NS	NS	100	10	< 0.026	0.049 J	< 0.03	< 0.03	<1	<0.023	< 0.026	0.041 J	0.04 J	< 0.03
Phenanthrene	µg/L	NS	NS	NS	NS	< 0.0143	0.0161 J	< 0.0143	< 0.0143	<0.042	0.021 J	< 0.0143	0.0187 J	< 0.0143	< 0.0143
Pyrene	µg/L	NS	NS	250	50	0.148	0.07	0.066	0.071	<0.1	0.052 J	0.026 J	0.036 J	0.0149 J	0.0144 J

Notes:
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7. Laboratory flags: "J" = Analyte detected between Limit of Detection and Limit of Quantitation
8. NT = not tested
9. Exceedances:
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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

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-01				PZ-02					
Date:						10/3/19	1/7/20	4/7/20	7/10/20	4/4/13	10/4/19	1/7/20	DUP #1 1/7/20	3/31/20	7/8/20
BTEX															
Benzene	µg/L	0.67	0.067	5	0.5	< 0.22	< 0.22	< 0.33	< 0.33	<0.27	< 0.22	< 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	<0.82	< 0.26	< 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	<2.41	1.13 J	0.78 J	0.85 J	< 1.48	< 1.48
Toluene	µg/L	343.0	68.6	1,000	200	< 0.19	< 0.19	< 0.26	< 0.26	<0.8	< 0.19	< 0.19	< 0.19	< 0.26	< 0.26
PAHs															
Acenaphthene	µg/L	NS	NS	NS	NS	< 0.0094	< 0.0094	< 0.0094	< 0.0094	79	108	157	NT	155	39.0
Acenaphthylene	µg/L	NS	NS	NS	NS	< 0.0156	< 0.0156	< 0.0156	< 0.0156	1.01 J	1.00	2.14	NT	1.57 J	0.71
Anthracene	µg/L	NS	NS	3,000	600	< 0.015	< 0.015	< 0.015	< 0.015	<0.4	< 0.3	< 0.30	NT	< 0.75	< 0.15
Benzo(a)anthracene	µg/L	NS	NS	NS	NS	0.0181 J	< 0.02	0.0256 J	< 0.02	<0.5	< 0.262	< 0.40	NT	< 1	< 0.2
Benzo(a)pyrene	µg/L	NS	NS	0.2	0.02	< 0.0167	< 0.0167	< 0.0167	< 0.0167	<0.36	< 0.334	< 0.334	NT	< 0.835	< 0.167
Benzo(b)fluoranthene	µg/L	NS	NS	0.2	0.02	< 0.016	< 0.016	0.0179 J	< 0.016	<0.4	< 0.32	< 0.32	NT	< 0.8	< 0.16
Benzo(ghi)perylene	µg/L	NS	NS	NS	NS	< 0.0142	< 0.0142	0.019 J	< 0.0142	<0.46	< 0.284	< 0.284	NT	< 0.71	< 0.142
Benzo(k)fluoranthene	µg/L	NS	NS	NS	NS	< 0.0146	< 0.0146	0.0151 J	< 0.0146	<0.54	< 0.292	< 0.292	NT	< 0.73	< 0.146
Chrysene	µg/L	NS	NS	0.2	0.02	< 0.0157	< 0.0157	< 0.0157	< 0.0157	<0.36	< 0.314	< 0.314	NT	< 0.785	< 0.157
Dibenzo(a,h)anthracene	µg/L	NS	NS	NS	NS	< 0.0173	< 0.0173	< 0.0173	< 0.0173	<0.46	< 0.346	< 0.346	NT	< 0.865	< 0.173
Fluoranthene	µg/L	NS	NS	400	80	0.0133 J	< 0.0088	< 0.0088	< 0.0088	<0.52	< 0.176	< 0.176	NT	< 0.44	< 0.088
Fluorene	µg/L	NS	NS	400	80	< 0.0079	< 0.0079	< 0.0079	< 0.0079	3.6	29.8	43.0	NT	51	14.8
Indeno(1,2,3-cd)pyrene	µg/L	NS	NS	NS	NS	< 0.0121	< 0.0121	0.0162 J	< 0.0121	<0.54	< 0.242	< 0.242	NT	< 0.605	< 0.121
Naphthalene	µg/L	NS	NS	100	10	< 0.026	< 0.03	< 0.03	< 0.03	1.79	*19.4*	*30.1*	NT	*25.2*	0.84 J
Phenanthrene	µg/L	NS	NS	NS	NS	< 0.0143	< 0.0143	< 0.0143	< 0.0143	<0.36	< 0.286	< 0.286	NT	< 0.715	< 0.143
Pyrene	µg/L	NS	NS	250	50	0.0134 J	< 0.0121	< 0.0121	< 0.0121	<0.5	< 0.242	< 0.242	NT	< 0.605	< 0.121

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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

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	10/2/19	1/3/20	4/7/20	7/14/20
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**	< 0.22	< 0.22	< 0.33	< 0.33
Ethylbenzene	µg/L	1360.0	272.0	700	140	2.68	10.7	54	53	61	60	42	37	< 0.26	< 0.26	< 0.32	< 0.32
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	< 0.72	< 0.72	< 1.48	< 1.48
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	< 0.19	< 0.19	< 0.26	< 0.26
PAHs																	
Acenaphthene	µg/L	NS	NS	NS	NS	116	154	350	NT	316	350	291	320	< 0.0094	0.0132 J	< 0.0094	< 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	< 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	0.0187 J	0.032 J	0.0181 J	0.0165 J
Benzo(a)anthracene	µg/L	NS	NS	NS	NS	2.03	< 3.93	< 12.0	NT	< 40	< 40	< 20	< 10	0.0166 J	< 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	< 0.0167	< 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	< 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	< 0.0142	< 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	< 0.0146	< 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	< 0.0157	< 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	< 0.0173	< 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	0.0138 J	< 0.0088	0.0145 J	0.009 J
Fluorene	µg/L	NS	NS	400	80	33	57.0	*110*	NT	*102*	*115*	*121*	*116*	< 0.0079	< 0.0079	< 0.0079	0.0139 J
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	< 0.0121	< 0.0121	< 0.0121	< 0.0121
Naphthalene	µg/L	NS	NS	100	10	*47*	**1620**	**4000**	NT	**3600**	**3800**	**3010**	**3150**	< 0.026	0.048 J	< 0.03	0.035 J
Phenanthrene	µg/L	NS	NS	NS	NS	1.87	11.0 J	37.0	NT	45 J	51 J	43 J	44	0.026 J	< 0.0143	< 0.0143	0.0172 J
Pyrene	µg/L	NS	NS	250	50	7.1	< 3.63	< 7.26	NT	< 24.2	< 24.2	< 12.1	< 6.05	0.0189 J	< 0.0121	< 0.0121	< 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

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	10/3/19	1/3/20	4/7/20	7/10/20
BTEX													
Benzene	µg/L	0.67	0.067	5	0.5	< 0.22	< 0.22	< 0.33	< 0.33	< 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	< 0.26	< 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	< 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	< 0.19	< 0.19	< 0.26	< 0.26
PAHs													
Acenaphthene	µg/L	NS	NS	NS	NS	0.0115 J	< 0.0094	< 0.0094	< 0.0094	< 0.0094	< 0.0094	< 0.0094	< 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
Anthracene	µg/L	NS	NS	3,000	600	0.0155 J	< 0.015	< 0.015	0.054	0.0205 J	0.0266 J	0.0183 J	0.0301 J
Benzo(a)anthracene	µg/L	NS	NS	NS	NS	0.037 J	< 0.02	< 0.02	0.0285 J	0.0149 J	< 0.02	0.0205 J	< 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
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
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
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
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
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
Fluoranthene	µg/L	NS	NS	400	80	0.031	< 0.0088	< 0.0088	0.114	< 0.0088	0.0095 J	0.0112 J	< 0.0088
Fluorene	µg/L	NS	NS	400	80	< 0.0079	< 0.0079	< 0.0079	< 0.0079	< 0.0079	< 0.0079	< 0.0079	< 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	0.013 J	< 0.0121
Naphthalene	µg/L	NS	NS	100	10	0.124	0.058 J	< 0.03	< 0.03	< 0.026	0.062 J	0.087 J	< 0.03
Phenanthrene	µg/L	NS	NS	NS	NS	0.018 J	< 0.0143	< 0.0143	0.0154 J	< 0.0143	0.0188 J	0.0148 J	< 0.0143
Pyrene	µg/L	NS	NS	250	50	0.029 J	< 0.0121	< 0.0121	0.086	< 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

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	4/4/13	10/9/19	1/3/20	4/7/20	7/8/20
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	<0.27	< 0.22	< 0.22	< 0.33	< 0.33
Ethylbenzene	µg/L	1360.0	272.0	700	140	< 0.26	< 0.26	< 0.26	< 0.26	< 0.32	< 0.32	< 0.32	<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	< 0.72	< 0.72	< 1.48	< 1.48	< 1.48	<2.41	< 0.72	< 0.72	< 1.48	< 1.48
Toluene	µg/L	343.0	68.6	1,000	200	< 0.19	< 0.19	< 0.19	< 0.19	< 0.26	0.54 J	0.54 J	<0.8	< 0.19	< 0.19	< 0.26	< 0.26
PAHs																	
Acenaphthene	µg/L	NS	NS	NS	NS	18.8	NT	31.4	NT	15.4	28.9	37	5.2	2.95	4.60	3.3	5.40
Acenaphthylene	µg/L	NS	NS	NS	NS	0.42	NT	0.77	NT	0.32	0.77	0.75	0.095	0.071	0.063	0.0297 J	0.052
Anthracene	µg/L	NS	NS	3,000	600	1.86	NT	0.33 J	NT	0.7	0.236 J	0.172 J	0.31	0.236	0.175	0.138	0.217
Benzo(a)anthracene	µg/L	NS	NS	NS	NS	1.36	NT	0.76	NT	0.71	0.234 J	0.209 J	0.128	0.075	< 0.02	0.0264 J	< 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	*0.07*	*0.06*	< 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	*0.169*	*0.151*	< 0.016	0.018 J	< 0.016
Benzo(ghi)perylene	µg/L	NS	NS	NS	NS	0.142 J	NT	< 0.142	NT	< 0.071	< 0.142	< 0.142	0.108	0.14	< 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	0.064 J	0.046 J	< 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	*0.132*	*0.083*	< 0.0157	< 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	<0.023	< 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	0.41	0.179	0.05	0.075	0.075
Fluorene	µg/L	NS	NS	400	80	11.1	NT	6.90	NT	6.3	4.60	5.6	0.92	0.43	1.12	0.87	1.22
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	0.071 J	0.082	< 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	0.32	2.71	0.059 J	0.033 J	0.0302 J
Phenanthrene	µg/L	NS	NS	NS	NS	0.61	NT	0.244 J	NT	0.277	< 0.143	< 0.143	1.36	0.072	0.125	0.1	0.09
Pyrene	µg/L	NS	NS	250	50	4.80	NT	2.05	NT	3.3	0.98	0.97	0.299	0.154	0.0311 J	0.053	0.04

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

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						
												DUP #5				DUP #5		DUP #5	
Date:						9/30/10	4/4/13	10/9/19	1/3/20	4/3/20	7/14/20	7/14/20	9/27/10	4/5/13	1/10/20	1/10/20	4/8/20	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
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
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
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
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
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
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
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
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
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*
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
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
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*
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
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
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
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
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
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
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

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3. NR 140 ES = Wisconsin Administrative Code, Chapter NR 140 Enforcement Standard
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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

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-C			MW-D		MW-E					MW-F				
Date:						9/27/10	4/5/13	4/8/20	9/27/10	4/5/13	9/30/10	4/5/13	1/10/20	4/8/20	7/15/20	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	< 0.33	<0.2	<0.27	<0.2	<0.27	< 0.22	< 0.33	< 0.33	<0.2	<0.27	< 0.22	< 0.33	< 0.33
Ethylbenzene	µg/L	1360.0	272.0	700	140	<0.2	<0.82	< 0.32	<0.2	<0.82	<0.2	<0.82	< 0.26	< 0.32	< 0.32	<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	< 1.48	<0.6	<2.41	<0.6	<2.41	< 0.72	< 1.48	< 1.48	<0.6	<2.41	< 0.72	< 1.48	< 1.48
Toluene	µg/L	343.0	68.6	1,000	200	<0.2	<0.8	< 0.26	<0.2	<0.8	<0.2	<0.8	< 0.19	< 0.26	< 0.26	<0.2	<0.8	< 0.19	< 0.26	< 0.26
PAHs																				
Acenaphthene	µg/L	NS	NS	NS	NS	<0.54	<0.021	< 0.0094	<0.55	<0.021	<0.56	<0.021	< 0.0094	< 0.0094	< 0.0094	<0.51	<0.021	< 0.0094	< 0.0094	0.03
Acenaphthylene	µg/L	NS	NS	NS	NS	<1.1	<0.02	< 0.0156	<1.1	<0.02	<1.1	<0.02	< 0.0156	< 0.0156	< 0.0156	<1	<0.02	< 0.0156	< 0.0156	< 0.0156
Anthracene	µg/L	NS	NS	3,000	600	<0.022	<0.02	< 0.015	<0.022	<0.02	<0.022	<0.02	< 0.015	< 0.015	< 0.015	<0.021	<0.02	< 0.015	< 0.015	< 0.015
Benzo(a)anthracene	µg/L	NS	NS	NS	NS	<0.011	<0.025	< 0.02	<0.011	<0.025	<0.011	<0.025	< 0.02	< 0.02	< 0.02	<0.01	0.03 J	< 0.02	< 0.02	< 0.02
Benzo(a)pyrene	µg/L	NS	NS	0.2	0.02	<0.0111	<0.018	< 0.0167	<0.011	<0.018	*0.02 J*	*0.038 J*	< 0.0167	< 0.0167	0.0189 J	<0.01	*0.039 J*	< 0.0167	< 0.0167	< 0.0167
Benzo(b)fluoranthene	µg/L	NS	NS	0.2	0.02	<0.0087	*0.039 J*	< 0.016	<0.0088	<0.02	<0.009	*0.063*	< 0.016	*0.0291 J*	0.0192 J	<0.0082	*0.065*	< 0.016	< 0.016	< 0.016
Benzo(ghi)perylene	µg/L	NS	NS	NS	NS	<0.065	0.026 J	0.0168 J	<0.066	0.038 J	0.12 J	0.44	< 0.0142	0.208	< 0.0142	<0.062	0.188	0.0282 J	0.04 J	< 0.0142
Benzo(k)fluoranthene	µg/L	NS	NS	NS	NS	<0.0087	<0.027	< 0.0146	<0.0088	<0.027	<0.009	<0.027	< 0.0146	< 0.0146	0.0207 J	<0.0082	<0.027	< 0.0146	< 0.0146	< 0.0146
Chrysene	µg/L	NS	NS	0.2	0.02	<0.065	*0.028 J*	< 0.0157	<0.066	*0.02 J*	<0.067	<0.018	< 0.0157	< 0.0157	< 0.0157	<0.062	*0.06*	< 0.0157	< 0.0157	< 0.0157
Dibenzo(a,h)anthracene	µg/L	NS	NS	NS	NS	<0.022	<0.023	< 0.0173	<0.022	<0.023	<0.022	<0.023	< 0.0173	0.0228 J	< 0.0173	<0.021	<0.023	< 0.0173	< 0.0173	< 0.0173
Fluoranthene	µg/L	NS	NS	400	80	<0.022	0.052 J	0.0134 J	<0.022	<0.026	<0.022	<0.026	< 0.0088	0.0159 J	< 0.0088	<0.021	0.087	0.0088 J	0.0131 J	< 0.0088
Fluorene	µg/L	NS	NS	400	80	<0.11	<0.02	< 0.0079	<0.11	<0.02	<0.11	<0.02	< 0.0079	< 0.0079	< 0.0079	<0.1	<0.02	< 0.0079	< 0.0079	0.0101 J
Indeno(1,2,3-cd)pyrene	µg/L	NS	NS	NS	NS	<0.043	<0.027	0.0128 J	<0.044	<0.027	<0.045	0.094	< 0.0121	0.043	< 0.0121	<0.041	0.04 J	< 0.0121	< 0.0121	< 0.0121
Naphthalene	µg/L	NS	NS	100	10	<1.1	<0.023	< 0.03	<1.1	<0.023	<1.1	<0.023	< 0.03	< 0.03	0.046 J	<1	0.027 J	0.04 J	< 0.03	0.75
Phenanthrene	µg/L	NS	NS	NS	NS	<0.043	0.044 J	< 0.0143	<0.044	<0.018	<0.045	0.018 J	< 0.0143	0.0145 J	0.0146 J	<0.041	0.062	< 0.0143	0.0152 J	< 0.0143
Pyrene	µg/L	NS	NS	250	50	<0.11	0.046 J	< 0.0121	<0.11	<0.025	<0.11	0.034 J	< 0.0121	0.0245 J	< 0.0121	<0.1	0.127	0.0166 J	0.0229 J	< 0.0121

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

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-G		MW-H					MW-I		MW-J					MW-K
Date:						9/30/10	4/5/13	9/28/10	4/5/13	1/10/20	4/8/20	7/14/20	9/28/10	4/5/13	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	<0.2	<0.27	< 0.22	< 0.33	< 0.33	<0.2	<0.27	<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	<0.2	<0.82	< 0.26	< 0.32	< 0.32	<0.2	<0.82	<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	<0.6	<2.41	< 0.72	< 1.48	< 1.48	<0.6	<2.41	<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	<0.2	<0.8	< 0.19	< 0.26	< 0.26	<0.2	<0.8	<0.2	<0.8	< 0.19	< 0.26	< 0.26	<0.2
PAHs																				
Acenaphthene	µg/L	NS	NS	NS	NS	<0.51	<0.021	<0.52	<0.021	< 0.0094	< 0.0094	0.0216 J	<0.52	<0.021	<0.54	<0.021	0.0126 J	< 0.0094	0.0167 J	<0.53
Acenaphthylene	µg/L	NS	NS	NS	NS	<1	<0.02	<1	<0.02	< 0.0156	< 0.0156	< 0.0156	<1	<0.02	<1.1	<0.02	< 0.0156	< 0.0156	< 0.0156	<1.1
Anthracene	µg/L	NS	NS	3,000	600	<0.02	<0.02	<0.021	<0.02	< 0.015	< 0.015	< 0.015	<0.021	<0.02	<0.021	<0.02	< 0.015	< 0.015	< 0.015	0.022 J
Benzo(a)anthracene	µg/L	NS	NS	NS	NS	<0.01	<0.025	<0.01	0.053 J	0.0264 J	0.046 J	< 0.02	<0.01	0.055 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	<0.018	<0.01	*0.049 J*	0.0192 J	*0.036 J*	< 0.0167	<0.01	*0.093*	<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	<0.02	<0.0083	*0.107*	*0.036 J*	*0.057*	< 0.016	<0.0084	**0.222**	<0.0086	*0.055 J*	< 0.016	< 0.016	< 0.016	<0.0085
Benzo(ghi)perylene	µg/L	NS	NS	NS	NS	<0.061	0.047 J	<0.062	0.107	0.0235 J	0.079	< 0.0142	<0.063	0.152	<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	<0.0083	<0.027	< 0.0146	0.027 J	< 0.0146	<0.0084	0.071 J	<0.0086	<0.027	< 0.0146	< 0.0146	0.0155 J	<0.0085
Chrysene	µg/L	NS	NS	0.2	0.02	<0.061	<0.018	<0.062	*0.082*	0.0187 J	*0.053*	< 0.0157	<0.063	*0.111*	<0.064	*0.038 J*	< 0.0157	< 0.0157	< 0.0157	<0.064
Dibenzo(a,h)anthracene	µg/L	NS	NS	NS	NS	<0.02	<0.023	<0.021	<0.023	< 0.0173	< 0.0173	< 0.0173	<0.021	<0.023	<0.021	<0.023	< 0.0173	< 0.0173	< 0.0173	<0.021
Fluoranthene	µg/L	NS	NS	400	80	<0.02	<0.026	<0.021	0.153	0.034	0.09	0.0157 J	<0.021	0.196	<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	<0.1	<0.02	< 0.0079	< 0.0079	< 0.0079	<0.1	<0.02	<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	<0.027	<0.042	0.041 J	0.0172 J	0.035 J	< 0.0121	<0.042	0.093	<0.043	<0.027	< 0.0121	0.0148 J	< 0.0121	<0.043
Naphthalene	µg/L	NS	NS	100	10	<1	<0.023	<1	<0.023	0.128	< 0.03	0.49	<1	<0.023	<1.1	0.032 J	0.163	< 0.03	0.34	<1.1
Phenanthrene	µg/L	NS	NS	NS	NS	<0.041	0.02 J	<0.042	0.044 J	0.0205 J	0.0241 J	< 0.0143	<0.042	0.087	<0.043	0.047 J	0.0157 J	< 0.0143	< 0.0143	<0.043
Pyrene	µg/L	NS	NS	250	50	<0.1	0.033 J	<0.1	0.15	0.0294 J	0.094	< 0.0121	<0.1	0.16	<0.11	0.058 J	< 0.0121	< 0.0121	< 0.0121	<0.11

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

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	001762621 VES

GENERATOR

5. Generator's Name and Mailing Address
TOM WEINTLAND (DNR)
WISCONSIN DNR - MOSS-AMERICA CO
1155 PILGRIM ROAD
PLYMOUTH, WI 53073
Generator's Phone: 920 893-8528

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

6. Transporter 1 Company Name
VEOLIA ES TECHNICAL SOLUTIONS
U.S. EPA ID Number: NJD080631369

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 TAYLOR'S BAYOU
PORT ARTHUR, TX 77640
Facility's Phone: 409 736-2821
U.S. EPA ID Number: TXD000838896

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		D M		G	F034 K001	 OUT8219H	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
ER Service Contracted by VESTS + OU-36190 + 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

Land Disposal Restriction Notification Form

Generator Name WISCONSIN DNR - MOSS-AMERICA CO

EPA ID Number WID039052626 Manifest 001762621VES

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 WO-3543864000-001 (1/ 1)

WIP / Approval Code:	657967 / PTA657967L
Form Designation / CWA Status:	Non-Wastewater / Non-CWA
Waste Codes (Subcategories):	F034, 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 _____

Title _____ Date 7-29-20

Activity Report

JOB NO: 3543864000 WO NO: 3543864000
BILL DOC NO: WO00728094 EPA ID: WID039052626

BT Acnt ID (Cust#) 7134 (534640) 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
8716 GRANVILLE RD
MILWAUKEE, WI 53224
(920) 893-8528

CONTACT: TOM WENTLAND (DNR)

CONTACT: TOM WENTLAND (DNR)

MANIFEST NUMBER(S):
001762621VES

CUSTOMER P.O. NUMBER	PROJECT NUMBER	SHIP DATE	TERR.
		07/31/2020	W38

DESCRIPTION	# CONT.	CONT./CODE	QTY	UOM	PG/LN	WASTE AREA
Manifest # 001762621VES WP 657967 / Approval PTA657967L GROUNDWATER	5	551A2-DM	775	G	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: 3543864000 WO NO: 3543864000
BILL DOC NO: WO00723094 EPA ID: WID039052626

BT Acnt ID (Cust#)7134 (534640) 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
8716 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.
		07/31/2020	W38

DESCRIPTION	# CONT.	CONT./CODE	QTY	UOM	PG/LN	WASTE AREA
07/28/2020 Manpwr. - FIELD SUPERVISOR		125	1@1.5	HOUR	/	
07/28/2020 Manpwr. - FIELD TECHNICIAN		3175	1@1.5	HOUR	/	
07/28/2020 Misc. - EPA E-MANIFEST FEE		8776	1	EACH	/	
07/28/2020 Misc. - LTL STOP CHARGE 000-050 MILES		3939	1	EACH	/	

Total Hours: 3

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: 3543864000 WO NO: 3543864000
BILL DOC NO: WO00728094 EPA ID: WID039052626

BT Acnt ID (Cust#)7134 (534640) 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
8716 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.
		07/31/2020	W38

Comments:

Veolia appreciates your business! Your work today was led by Mitchell Slusar (Environmental Specialist) 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 800-255-8082 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/sign-our-newsletters

Signature: Andrea S Lorenz

Print Name: Andrea Lorenz

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.

PACKING SUMMARY

SL Acct Id (Gen Num): 48145 (639076)
WISCONSIN DNR - MOSS-AMERICA CO
8716 GRANVILLE RD
MILWAUKEE, WI 53224
Attn:
EPA ID: WID039052626

Manifest Number: 001762621VES
Field System ID: WO
Work Order Number: 3543864000
Date Shipped: 07/31/2020

Container#: WO-3543864000-001 Waste Area: Manifest Page/Line: 01 / 1

WP: 657967 DisposalCode: PTA657967L PHY State: L

Date Accumulated: 07/31/2020 Gen Drum ID:

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

No. of Commons: 05 Outer Container: 55IA2-DM Inner Container:

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

Total Cmns Wt: 275 SIC: 9999 Source: G49 Form: W219 System: H040 Cubic Ft.: 7.50

Individual Common Weights: 55, 55, 55, 55, 55 (GALLONS)

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

Attachment 2

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 *21-Jul-20*

Project Name MOSS AMERICAN **Invoice #** E38167
Project # 18687-102

Lab Code 5038167A
Sample ID MW-5S
Sample Matrix Water
Sample Date 7/7/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.33	ug/l	0.33	1	1	8260B		7/13/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		7/13/2020	CJR	1
Toluene	< 0.26	ug/l	0.26	0.83	1	8260B		7/13/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		7/13/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		7/13/2020	CJR	1
PAH SIM										
Acenaphthene	< 0.0094	ug/l	0.0094	0.03	1	M8270C	7/13/2020	7/16/2020	NJC	1
Acenaphthylene	0.0228 "J"	ug/l	0.0156	0.0495	1	M8270C	7/13/2020	7/16/2020	NJC	1
Anthracene	0.0208 "J"	ug/l	0.015	0.0478	1	M8270C	7/13/2020	7/16/2020	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	7/13/2020	7/16/2020	NJC	7
Benzo(a)pyrene	0.0195 "J"	ug/l	0.0167	0.0531	1	M8270C	7/13/2020	7/16/2020	NJC	1
Benzo(b)fluoranthene	0.0249 "J"	ug/l	0.016	0.0509	1	M8270C	7/13/2020	7/16/2020	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	7/13/2020	7/16/2020	NJC	1
Benzo(k)fluoranthene	0.0188 "J"	ug/l	0.0146	0.0463	1	M8270C	7/13/2020	7/16/2020	NJC	1
Chrysene	0.0182 "J"	ug/l	0.0157	0.0499	1	M8270C	7/13/2020	7/16/2020	NJC	7
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	7/13/2020	7/16/2020	NJC	1
Fluoranthene	0.0142 "J"	ug/l	0.0088	0.0281	1	M8270C	7/13/2020	7/16/2020	NJC	7
Fluorene	< 0.0079	ug/l	0.0079	0.0251	1	M8270C	7/13/2020	7/16/2020	NJC	1
Indeno(1,2,3-cd)pyrene	0.0132 "J"	ug/l	0.0121	0.0385	1	M8270C	7/13/2020	7/16/2020	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	7/13/2020	7/16/2020	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	7/13/2020	7/16/2020	NJC	1
Naphthalene	< 0.03	ug/l	0.03	0.1	1	M8270C	7/13/2020	7/16/2020	NJC	1
Phenanthrene	< 0.0143	ug/l	0.0143	0.0456	1	M8270C	7/13/2020	7/16/2020	NJC	1
Pyrene	< 0.0121	ug/l	0.0121	0.0386	1	M8270C	7/13/2020	7/16/2020	NJC	1

Project Name MOSS AMERICAN **Invoice #** E38167
Project # 18687-102

Lab Code 5038167B
Sample ID MW-7S
Sample Matrix Water
Sample Date 7/7/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.33	ug/l	0.33	1	1	8260B		7/13/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		7/13/2020	CJR	1
Toluene	< 0.26	ug/l	0.26	0.83	1	8260B		7/13/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		7/13/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		7/13/2020	CJR	1
PAH SIM										
Acenaphthene	1.39	ug/l	0.0094	0.03	1	M8270C	7/13/2020	7/16/2020	NJC	1
Acenaphthylene	0.066	ug/l	0.0156	0.0495	1	M8270C	7/13/2020	7/16/2020	NJC	1
Anthracene	0.091	ug/l	0.015	0.0478	1	M8270C	7/13/2020	7/16/2020	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	7/13/2020	7/16/2020	NJC	7
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	7/13/2020	7/16/2020	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	7/13/2020	7/16/2020	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	7/13/2020	7/16/2020	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	7/13/2020	7/16/2020	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	7/13/2020	7/16/2020	NJC	7
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	7/13/2020	7/16/2020	NJC	1
Fluoranthene	0.0156 "J"	ug/l	0.0088	0.0281	1	M8270C	7/13/2020	7/16/2020	NJC	7
Fluorene	0.082	ug/l	0.0079	0.0251	1	M8270C	7/13/2020	7/16/2020	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	7/13/2020	7/16/2020	NJC	1
1-Methyl naphthalene	2.50	ug/l	0.0191	0.0609	1	M8270C	7/13/2020	7/16/2020	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	7/13/2020	7/16/2020	NJC	1
Naphthalene	0.097 "J"	ug/l	0.03	0.1	1	M8270C	7/13/2020	7/16/2020	NJC	1
Phenanthrene	0.0173 "J"	ug/l	0.0143	0.0456	1	M8270C	7/13/2020	7/16/2020	NJC	1
Pyrene	0.0143 "J"	ug/l	0.0121	0.0386	1	M8270C	7/13/2020	7/16/2020	NJC	1

Project Name MOSS AMERICAN **Invoice #** E38167
Project # 18687-102

Lab Code 5038167C
Sample ID MW-7S-WR
Sample Matrix Water
Sample Date 7/7/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.33	ug/l	0.33	1	1	8260B		7/13/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		7/13/2020	CJR	1
Toluene	< 0.26	ug/l	0.26	0.83	1	8260B		7/13/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		7/13/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		7/13/2020	CJR	1
PAH SIM										
Acenaphthene	9.70	ug/l	0.0188	0.06	2	M8270C	7/13/2020	7/16/2020	NJC	1
Acenaphthylene	0.264	ug/l	0.0312	0.099	2	M8270C	7/13/2020	7/16/2020	NJC	1
Anthracene	0.081 "J"	ug/l	0.03	0.0956	2	M8270C	7/13/2020	7/16/2020	NJC	1
Benzo(a)anthracene	0.06 "J"	ug/l	0.04	0.134	2	M8270C	7/13/2020	7/16/2020	NJC	7
Benzo(a)pyrene	< 0.0334	ug/l	0.0334	0.1062	2	M8270C	7/13/2020	7/16/2020	NJC	1
Benzo(b)fluoranthene	< 0.032	ug/l	0.032	0.1018	2	M8270C	7/13/2020	7/16/2020	NJC	1
Benzo(g,h,i)perylene	< 0.0284	ug/l	0.0284	0.0902	2	M8270C	7/13/2020	7/16/2020	NJC	1
Benzo(k)fluoranthene	< 0.0292	ug/l	0.0292	0.0926	2	M8270C	7/13/2020	7/16/2020	NJC	1
Chrysene	0.046 "J"	ug/l	0.0314	0.0998	2	M8270C	7/13/2020	7/16/2020	NJC	7
Dibenzo(a,h)anthracene	< 0.0346	ug/l	0.0346	0.1098	2	M8270C	7/13/2020	7/16/2020	NJC	1
Fluoranthene	1.18	ug/l	0.0176	0.0562	2	M8270C	7/13/2020	7/16/2020	NJC	7
Fluorene	1.01	ug/l	0.0158	0.0502	2	M8270C	7/13/2020	7/16/2020	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0242	ug/l	0.0242	0.077	2	M8270C	7/13/2020	7/16/2020	NJC	1
1-Methyl naphthalene	0.048 "J"	ug/l	0.0382	0.1218	2	M8270C	7/13/2020	7/16/2020	NJC	1
2-Methyl naphthalene	< 0.0372	ug/l	0.0372	0.118	2	M8270C	7/13/2020	7/16/2020	NJC	1
Naphthalene	< 0.06	ug/l	0.06	0.2	2	M8270C	7/13/2020	7/16/2020	NJC	1
Phenanthrene	0.047 "J"	ug/l	0.0286	0.0912	2	M8270C	7/13/2020	7/16/2020	NJC	1
Pyrene	0.50	ug/l	0.0242	0.0772	2	M8270C	7/13/2020	7/16/2020	NJC	1

Project Name MOSS AMERICAN **Invoice #** E38167
Project # 18687-102

Lab Code 5038167D
Sample ID MW-30S
Sample Matrix Water
Sample Date 7/7/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.33	ug/l	0.33	1	1	8260B		7/13/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		7/13/2020	CJR	1
Toluene	< 0.26	ug/l	0.26	0.83	1	8260B		7/13/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		7/13/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		7/13/2020	CJR	1
PAH SIM										
Acenaphthene	0.0107 "J"	ug/l	0.0094	0.03	1	M8270C	7/13/2020	7/16/2020	NJC	1
Acenaphthylene	0.0228 "J"	ug/l	0.0156	0.0495	1	M8270C	7/13/2020	7/16/2020	NJC	1
Anthracene	0.152	ug/l	0.015	0.0478	1	M8270C	7/13/2020	7/16/2020	NJC	1
Benzo(a)anthracene	0.0207 "J"	ug/l	0.02	0.067	1	M8270C	7/13/2020	7/16/2020	NJC	7
Benzo(a)pyrene	0.026 "J"	ug/l	0.0167	0.0531	1	M8270C	7/13/2020	7/16/2020	NJC	1
Benzo(b)fluoranthene	0.035 "J"	ug/l	0.016	0.0509	1	M8270C	7/13/2020	7/16/2020	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	7/13/2020	7/16/2020	NJC	1
Benzo(k)fluoranthene	0.024 "J"	ug/l	0.0146	0.0463	1	M8270C	7/13/2020	7/16/2020	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	7/13/2020	7/16/2020	NJC	7
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	7/13/2020	7/16/2020	NJC	1
Fluoranthene	0.0184 "J"	ug/l	0.0088	0.0281	1	M8270C	7/13/2020	7/16/2020	NJC	7
Fluorene	< 0.0079	ug/l	0.0079	0.0251	1	M8270C	7/13/2020	7/16/2020	NJC	1
Indeno(1,2,3-cd)pyrene	0.0163 "J"	ug/l	0.0121	0.0385	1	M8270C	7/13/2020	7/16/2020	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	7/13/2020	7/16/2020	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	7/13/2020	7/16/2020	NJC	1
Naphthalene	< 0.03	ug/l	0.03	0.1	1	M8270C	7/13/2020	7/16/2020	NJC	1
Phenanthrene	0.015 "J"	ug/l	0.0143	0.0456	1	M8270C	7/13/2020	7/16/2020	NJC	1
Pyrene	0.0148 "J"	ug/l	0.0121	0.0386	1	M8270C	7/13/2020	7/16/2020	NJC	1

Project Name MOSS AMERICAN **Invoice #** E38167
Project # 18687-102

Lab Code 5038167E
Sample ID MW-32SR
Sample Matrix Water
Sample Date 7/7/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.33	ug/l	0.33	1	1	8260B		7/13/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		7/13/2020	CJR	1
Toluene	< 0.26	ug/l	0.26	0.83	1	8260B		7/13/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		7/13/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		7/13/2020	CJR	1
PAH SIM										
Acenaphthene	0.016 "J"	ug/l	0.0094	0.03	1	M8270C	7/14/2020	7/17/2020	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	7/14/2020	7/17/2020	NJC	1
Anthracene	0.058	ug/l	0.015	0.0478	1	M8270C	7/14/2020	7/17/2020	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	7/14/2020	7/17/2020	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	7/14/2020	7/17/2020	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	7/14/2020	7/17/2020	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	7/14/2020	7/17/2020	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	7/14/2020	7/17/2020	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	7/14/2020	7/17/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	7/14/2020	7/17/2020	NJC	1
Fluoranthene	0.0131 "J"	ug/l	0.0088	0.0281	1	M8270C	7/14/2020	7/17/2020	NJC	1
Fluorene	0.0163 "J"	ug/l	0.0079	0.0251	1	M8270C	7/14/2020	7/17/2020	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	7/14/2020	7/17/2020	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	7/14/2020	7/17/2020	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	7/14/2020	7/17/2020	NJC	1
Naphthalene	< 0.03	ug/l	0.03	0.1	1	M8270C	7/14/2020	7/17/2020	NJC	1
Phenanthrene	< 0.0143	ug/l	0.0143	0.0456	1	M8270C	7/14/2020	7/17/2020	NJC	1
Pyrene	< 0.0121	ug/l	0.0121	0.0386	1	M8270C	7/14/2020	7/17/2020	NJC	1

Project Name MOSS AMERICAN **Invoice #** E38167
Project # 18687-102

Lab Code 5038167F
Sample ID MW-33S
Sample Matrix Water
Sample Date 7/7/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.33	ug/l	0.33	1	1	8260B		7/13/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		7/13/2020	CJR	1
Toluene	< 0.26	ug/l	0.26	0.83	1	8260B		7/13/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		7/13/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		7/13/2020	CJR	1
PAH SIM										
Acenaphthene	4.40	ug/l	0.047	0.15	5	M8270C	7/13/2020	7/16/2020	NJC	1
Acenaphthylene	0.126 "J"	ug/l	0.078	0.2475	5	M8270C	7/13/2020	7/16/2020	NJC	1
Anthracene	0.212 "J"	ug/l	0.075	0.239	5	M8270C	7/13/2020	7/16/2020	NJC	1
Benzo(a)anthracene	< 0.10	ug/l	0.1	0.335	5	M8270C	7/13/2020	7/16/2020	NJC	7
Benzo(a)pyrene	< 0.0835	ug/l	0.0835	0.2655	5	M8270C	7/13/2020	7/16/2020	NJC	1
Benzo(b)fluoranthene	< 0.08	ug/l	0.08	0.2545	5	M8270C	7/13/2020	7/16/2020	NJC	1
Benzo(g,h,i)perylene	< 0.071	ug/l	0.071	0.2255	5	M8270C	7/13/2020	7/16/2020	NJC	1
Benzo(k)fluoranthene	< 0.073	ug/l	0.073	0.2315	5	M8270C	7/13/2020	7/16/2020	NJC	1
Chrysene	< 0.0785	ug/l	0.0785	0.2495	5	M8270C	7/13/2020	7/16/2020	NJC	7
Dibenzo(a,h)anthracene	< 0.0865	ug/l	0.0865	0.2745	5	M8270C	7/13/2020	7/16/2020	NJC	1
Fluoranthene	< 0.044	ug/l	0.044	0.1405	5	M8270C	7/13/2020	7/16/2020	NJC	7
Fluorene	1.51	ug/l	0.0395	0.1255	5	M8270C	7/13/2020	7/16/2020	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0605	ug/l	0.0605	0.1925	5	M8270C	7/13/2020	7/16/2020	NJC	1
1-Methyl naphthalene	1.22	ug/l	0.0955	0.3045	5	M8270C	7/13/2020	7/16/2020	NJC	1
2-Methyl naphthalene	0.48	ug/l	0.093	0.295	5	M8270C	7/13/2020	7/16/2020	NJC	1
Naphthalene	17.8	ug/l	0.15	0.5	5	M8270C	7/13/2020	7/16/2020	NJC	1
Phenanthrene	0.50	ug/l	0.0715	0.228	5	M8270C	7/13/2020	7/16/2020	NJC	1
Pyrene	< 0.0605	ug/l	0.0605	0.193	5	M8270C	7/13/2020	7/16/2020	NJC	1

Project Name MOSS AMERICAN **Invoice #** E38167
Project # 18687-102

Lab Code 5038167G
Sample ID MW-34SR
Sample Matrix Water
Sample Date 7/7/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.33	ug/l	0.33	1	1	8260B		7/13/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		7/13/2020	CJR	1
Toluene	< 0.26	ug/l	0.26	0.83	1	8260B		7/13/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		7/13/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		7/13/2020	CJR	1
PAH SIM										
Acenaphthene	0.82	ug/l	0.0094	0.03	1	M8270C	7/13/2020	7/16/2020	NJC	1
Acenaphthylene	0.035 "J"	ug/l	0.0156	0.0495	1	M8270C	7/13/2020	7/16/2020	NJC	1
Anthracene	0.084	ug/l	0.015	0.0478	1	M8270C	7/13/2020	7/16/2020	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	7/13/2020	7/16/2020	NJC	7
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	7/13/2020	7/16/2020	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	7/13/2020	7/16/2020	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	7/13/2020	7/16/2020	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	7/13/2020	7/16/2020	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	7/13/2020	7/16/2020	NJC	7
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	7/13/2020	7/16/2020	NJC	1
Fluoranthene	0.074	ug/l	0.0088	0.0281	1	M8270C	7/13/2020	7/16/2020	NJC	7
Fluorene	0.41	ug/l	0.0079	0.0251	1	M8270C	7/13/2020	7/16/2020	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	7/13/2020	7/16/2020	NJC	1
1-Methyl naphthalene	0.262	ug/l	0.0191	0.0609	1	M8270C	7/13/2020	7/16/2020	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	7/13/2020	7/16/2020	NJC	1
Naphthalene	< 0.03	ug/l	0.03	0.1	1	M8270C	7/13/2020	7/16/2020	NJC	1
Phenanthrene	0.08	ug/l	0.0143	0.0456	1	M8270C	7/13/2020	7/16/2020	NJC	1
Pyrene	0.044	ug/l	0.0121	0.0386	1	M8270C	7/13/2020	7/16/2020	NJC	1

Project Name MOSS AMERICAN **Invoice #** E38167
Project # 18687-102

Lab Code 5038167H
Sample ID MW-39S
Sample Matrix Water
Sample Date 7/7/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.33	ug/l	0.33	1	1	8260B		7/13/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		7/13/2020	CJR	1
Toluene	< 0.26	ug/l	0.26	0.83	1	8260B		7/13/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		7/13/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		7/13/2020	CJR	1
PAH SIM										
Acenaphthene	8.70	ug/l	0.0094	0.03	1	M8270C	7/13/2020	7/16/2020	NJC	1
Acenaphthylene	0.07	ug/l	0.0156	0.0495	1	M8270C	7/13/2020	7/16/2020	NJC	1
Anthracene	0.084	ug/l	0.015	0.0478	1	M8270C	7/13/2020	7/16/2020	NJC	1
Benzo(a)anthracene	0.049 "J"	ug/l	0.02	0.067	1	M8270C	7/13/2020	7/16/2020	NJC	7
Benzo(a)pyrene	0.036 "J"	ug/l	0.0167	0.0531	1	M8270C	7/13/2020	7/16/2020	NJC	1
Benzo(b)fluoranthene	0.058	ug/l	0.016	0.0509	1	M8270C	7/13/2020	7/16/2020	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	7/13/2020	7/16/2020	NJC	1
Benzo(k)fluoranthene	0.021 "J"	ug/l	0.0146	0.0463	1	M8270C	7/13/2020	7/16/2020	NJC	1
Chrysene	0.042 "J"	ug/l	0.0157	0.0499	1	M8270C	7/13/2020	7/16/2020	NJC	7
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	7/13/2020	7/16/2020	NJC	1
Fluoranthene	0.117	ug/l	0.0088	0.0281	1	M8270C	7/13/2020	7/16/2020	NJC	7
Fluorene	0.33	ug/l	0.0079	0.0251	1	M8270C	7/13/2020	7/16/2020	NJC	1
Indeno(1,2,3-cd)pyrene	0.0141 "J"	ug/l	0.0121	0.0385	1	M8270C	7/13/2020	7/16/2020	NJC	1
1-Methyl naphthalene	0.0204 "J"	ug/l	0.0191	0.0609	1	M8270C	7/13/2020	7/16/2020	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	7/13/2020	7/16/2020	NJC	1
Naphthalene	0.033 "J"	ug/l	0.03	0.1	1	M8270C	7/13/2020	7/16/2020	NJC	1
Phenanthrene	0.02 "J"	ug/l	0.0143	0.0456	1	M8270C	7/13/2020	7/16/2020	NJC	1
Pyrene	0.09	ug/l	0.0121	0.0386	1	M8270C	7/13/2020	7/16/2020	NJC	1

Project Name MOSS AMERICAN **Invoice #** E38167
Project # 18687-102

Lab Code 5038167I
Sample ID DUP#1
Sample Matrix Water
Sample Date 7/7/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.33	ug/l	0.33	1	1	8260B		7/13/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		7/13/2020	CJR	1
Toluene	< 0.26	ug/l	0.26	0.83	1	8260B		7/13/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		7/13/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		7/13/2020	CJR	1
PAH SIM										
Acenaphthene	0.0152 "J"	ug/l	0.0094	0.03	1	M8270C	7/13/2020	7/16/2020	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	7/13/2020	7/16/2020	NJC	1
Anthracene	0.074	ug/l	0.015	0.0478	1	M8270C	7/13/2020	7/16/2020	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	7/13/2020	7/16/2020	NJC	7
Benzo(a)pyrene	0.0167 "J"	ug/l	0.0167	0.0531	1	M8270C	7/13/2020	7/16/2020	NJC	1
Benzo(b)fluoranthene	0.0228 "J"	ug/l	0.016	0.0509	1	M8270C	7/13/2020	7/16/2020	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	7/13/2020	7/16/2020	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	7/13/2020	7/16/2020	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	7/13/2020	7/16/2020	NJC	7
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	7/13/2020	7/16/2020	NJC	1
Fluoranthene	0.0219 "J"	ug/l	0.0088	0.0281	1	M8270C	7/13/2020	7/16/2020	NJC	7
Fluorene	0.0163 "J"	ug/l	0.0079	0.0251	1	M8270C	7/13/2020	7/16/2020	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	7/13/2020	7/16/2020	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	7/13/2020	7/16/2020	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	7/13/2020	7/16/2020	NJC	1
Naphthalene	< 0.03	ug/l	0.03	0.1	1	M8270C	7/13/2020	7/16/2020	NJC	1
Phenanthrene	< 0.0143	ug/l	0.0143	0.0456	1	M8270C	7/13/2020	7/16/2020	NJC	1
Pyrene	0.0146 "J"	ug/l	0.0121	0.0386	1	M8270C	7/13/2020	7/16/2020	NJC	1

Project Name MOSS AMERICAN **Invoice #** E38167
Project # 18687-102

Lab Code 5038167J
Sample ID PZ-02
Sample Matrix Water
Sample Date 7/8/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.33	ug/l	0.33	1	1	8260B		7/13/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		7/13/2020	CJR	1
Toluene	< 0.26	ug/l	0.26	0.83	1	8260B		7/13/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		7/13/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		7/13/2020	CJR	1
PAH SIM										
Acenaphthene	39.0	ug/l	0.094	0.3	10	M8270C	7/13/2020	7/16/2020	NJC	1
Acenaphthylene	0.71	ug/l	0.156	0.495	10	M8270C	7/13/2020	7/16/2020	NJC	1
Anthracene	< 0.15	ug/l	0.15	0.478	10	M8270C	7/13/2020	7/16/2020	NJC	1
Benzo(a)anthracene	< 0.20	ug/l	0.2	0.67	10	M8270C	7/13/2020	7/16/2020	NJC	7
Benzo(a)pyrene	< 0.167	ug/l	0.167	0.531	10	M8270C	7/13/2020	7/16/2020	NJC	1
Benzo(b)fluoranthene	< 0.16	ug/l	0.16	0.509	10	M8270C	7/13/2020	7/16/2020	NJC	1
Benzo(g,h,i)perylene	< 0.142	ug/l	0.142	0.451	10	M8270C	7/13/2020	7/16/2020	NJC	1
Benzo(k)fluoranthene	< 0.146	ug/l	0.146	0.463	10	M8270C	7/13/2020	7/16/2020	NJC	1
Chrysene	< 0.157	ug/l	0.157	0.499	10	M8270C	7/13/2020	7/16/2020	NJC	7
Dibenzo(a,h)anthracene	< 0.173	ug/l	0.173	0.549	10	M8270C	7/13/2020	7/16/2020	NJC	1
Fluoranthene	< 0.088	ug/l	0.088	0.281	10	M8270C	7/13/2020	7/16/2020	NJC	7
Fluorene	14.8	ug/l	0.079	0.251	10	M8270C	7/13/2020	7/16/2020	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.121	ug/l	0.121	0.385	10	M8270C	7/13/2020	7/16/2020	NJC	1
1-Methyl naphthalene	0.40 "J"	ug/l	0.191	0.609	10	M8270C	7/13/2020	7/16/2020	NJC	1
2-Methyl naphthalene	< 0.186	ug/l	0.186	0.59	10	M8270C	7/13/2020	7/16/2020	NJC	1
Naphthalene	0.84 "J"	ug/l	0.3	1	10	M8270C	7/13/2020	7/16/2020	NJC	1
Phenanthrene	< 0.143	ug/l	0.143	0.456	10	M8270C	7/13/2020	7/16/2020	NJC	1
Pyrene	< 0.121	ug/l	0.121	0.386	10	M8270C	7/13/2020	7/16/2020	NJC	1

Project Name MOSS AMERICAN **Invoice #** E38167
Project # 18687-102

Lab Code 5038167K
Sample ID PZ-09R
Sample Matrix Water
Sample Date 7/8/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.33	ug/l	0.33	1	1	8260B		7/13/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		7/13/2020	CJR	1
Toluene	0.54 "J"	ug/l	0.26	0.83	1	8260B		7/13/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		7/13/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		7/13/2020	CJR	1
PAH SIM										
Acenaphthene	28.9	ug/l	0.094	0.3	10	M8270C	7/13/2020	7/16/2020	NJC	1
Acenaphthylene	0.77	ug/l	0.156	0.495	10	M8270C	7/13/2020	7/16/2020	NJC	1
Anthracene	0.236 "J"	ug/l	0.15	0.478	10	M8270C	7/13/2020	7/16/2020	NJC	1
Benzo(a)anthracene	0.234 "J"	ug/l	0.2	0.67	10	M8270C	7/13/2020	7/16/2020	NJC	7
Benzo(a)pyrene	< 0.167	ug/l	0.167	0.531	10	M8270C	7/13/2020	7/16/2020	NJC	1
Benzo(b)fluoranthene	< 0.16	ug/l	0.16	0.509	10	M8270C	7/13/2020	7/16/2020	NJC	1
Benzo(g,h,i)perylene	< 0.142	ug/l	0.142	0.451	10	M8270C	7/13/2020	7/16/2020	NJC	1
Benzo(k)fluoranthene	< 0.146	ug/l	0.146	0.463	10	M8270C	7/13/2020	7/16/2020	NJC	1
Chrysene	0.165 "J"	ug/l	0.157	0.499	10	M8270C	7/13/2020	7/16/2020	NJC	7
Dibenzo(a,h)anthracene	< 0.173	ug/l	0.173	0.549	10	M8270C	7/13/2020	7/16/2020	NJC	1
Fluoranthene	3.30	ug/l	0.088	0.281	10	M8270C	7/13/2020	7/16/2020	NJC	7
Fluorene	4.60	ug/l	0.079	0.251	10	M8270C	7/13/2020	7/16/2020	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.121	ug/l	0.121	0.385	10	M8270C	7/13/2020	7/16/2020	NJC	1
1-Methyl naphthalene	< 0.191	ug/l	0.191	0.609	10	M8270C	7/13/2020	7/16/2020	NJC	1
2-Methyl naphthalene	< 0.186	ug/l	0.186	0.59	10	M8270C	7/13/2020	7/16/2020	NJC	1
Naphthalene	< 0.30	ug/l	0.3	1	10	M8270C	7/13/2020	7/16/2020	NJC	1
Phenanthrene	< 0.143	ug/l	0.143	0.456	10	M8270C	7/13/2020	7/16/2020	NJC	1
Pyrene	0.98	ug/l	0.121	0.386	10	M8270C	7/13/2020	7/16/2020	NJC	1

Project Name MOSS AMERICAN **Invoice #** E38167
Project # 18687-102

Lab Code 5038167L
Sample ID PZ-10
Sample Matrix Water
Sample Date 7/8/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.33	ug/l	0.33	1	1	8260B		7/14/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		7/14/2020	CJR	1
Toluene	< 0.26	ug/l	0.26	0.83	1	8260B		7/14/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		7/14/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		7/14/2020	CJR	1
PAH SIM										
Acenaphthene	5.40	ug/l	0.0094	0.03	1	M8270C	7/13/2020	7/16/2020	NJC	1
Acenaphthylene	0.052	ug/l	0.0156	0.0495	1	M8270C	7/13/2020	7/16/2020	NJC	1
Anthracene	0.217	ug/l	0.015	0.0478	1	M8270C	7/13/2020	7/16/2020	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	7/13/2020	7/16/2020	NJC	7
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	7/13/2020	7/16/2020	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	7/13/2020	7/16/2020	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	7/13/2020	7/16/2020	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	7/13/2020	7/16/2020	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	7/13/2020	7/16/2020	NJC	7
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	7/13/2020	7/16/2020	NJC	1
Fluoranthene	0.075	ug/l	0.0088	0.0281	1	M8270C	7/13/2020	7/16/2020	NJC	7
Fluorene	1.22	ug/l	0.0079	0.0251	1	M8270C	7/13/2020	7/16/2020	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	7/13/2020	7/16/2020	NJC	1
1-Methyl naphthalene	0.187	ug/l	0.0191	0.0609	1	M8270C	7/13/2020	7/16/2020	NJC	1
2-Methyl naphthalene	0.0307 "J"	ug/l	0.0186	0.059	1	M8270C	7/13/2020	7/16/2020	NJC	1
Naphthalene	0.0302 "J"	ug/l	0.03	0.1	1	M8270C	7/13/2020	7/16/2020	NJC	1
Phenanthrene	0.09	ug/l	0.0143	0.0456	1	M8270C	7/13/2020	7/16/2020	NJC	1
Pyrene	0.04	ug/l	0.0121	0.0386	1	M8270C	7/13/2020	7/16/2020	NJC	1

Project Name MOSS AMERICAN **Invoice #** E38167
Project # 18687-102

Lab Code 5038167M
Sample ID MW-38S
Sample Matrix Water
Sample Date 7/8/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.33	ug/l	0.33	1	1	8260B		7/14/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		7/14/2020	CJR	1
Toluene	< 0.26	ug/l	0.26	0.83	1	8260B		7/14/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		7/14/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		7/14/2020	CJR	1
PAH SIM										
Acenaphthene	1.35	ug/l	0.0094	0.03	1	M8270C	7/13/2020	7/16/2020	NJC	1
Acenaphthylene	0.057	ug/l	0.0156	0.0495	1	M8270C	7/13/2020	7/16/2020	NJC	1
Anthracene	0.107	ug/l	0.015	0.0478	1	M8270C	7/13/2020	7/16/2020	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	7/13/2020	7/16/2020	NJC	7
Benzo(a)pyrene	0.0186 "J"	ug/l	0.0167	0.0531	1	M8270C	7/13/2020	7/16/2020	NJC	1
Benzo(b)fluoranthene	0.0235 "J"	ug/l	0.016	0.0509	1	M8270C	7/13/2020	7/16/2020	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	7/13/2020	7/16/2020	NJC	1
Benzo(k)fluoranthene	0.0197 "J"	ug/l	0.0146	0.0463	1	M8270C	7/13/2020	7/16/2020	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	7/13/2020	7/16/2020	NJC	7
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	7/13/2020	7/16/2020	NJC	1
Fluoranthene	< 0.0088	ug/l	0.0088	0.0281	1	M8270C	7/13/2020	7/16/2020	NJC	7
Fluorene	0.038	ug/l	0.0079	0.0251	1	M8270C	7/13/2020	7/16/2020	NJC	1
Indeno(1,2,3-cd)pyrene	0.0145 "J"	ug/l	0.0121	0.0385	1	M8270C	7/13/2020	7/16/2020	NJC	1
1-Methyl naphthalene	1.69	ug/l	0.0191	0.0609	1	M8270C	7/13/2020	7/16/2020	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	7/13/2020	7/16/2020	NJC	1
Naphthalene	0.069 "J"	ug/l	0.03	0.1	1	M8270C	7/13/2020	7/16/2020	NJC	1
Phenanthrene	0.0182 "J"	ug/l	0.0143	0.0456	1	M8270C	7/13/2020	7/16/2020	NJC	1
Pyrene	< 0.0121	ug/l	0.0121	0.0386	1	M8270C	7/13/2020	7/16/2020	NJC	1

Project Name MOSS AMERICAN **Invoice #** E38167
Project # 18687-102

Lab Code 5038167N
Sample ID TG1-1R
Sample Matrix Water
Sample Date 7/8/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.33	ug/l	0.33	1	1	8260B		7/14/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		7/14/2020	CJR	1
Toluene	< 0.26	ug/l	0.26	0.83	1	8260B		7/14/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		7/14/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		7/14/2020	CJR	1
PAH SIM										
Acenaphthene	0.37	ug/l	0.0094	0.03	1	M8270C	7/13/2020	7/17/2020	NJC	1
Acenaphthylene	0.0209 "J"	ug/l	0.0156	0.0495	1	M8270C	7/13/2020	7/17/2020	NJC	1
Anthracene	0.076	ug/l	0.015	0.0478	1	M8270C	7/13/2020	7/17/2020	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	7/13/2020	7/17/2020	NJC	7
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	7/13/2020	7/17/2020	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	7/13/2020	7/17/2020	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	7/13/2020	7/17/2020	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	7/13/2020	7/17/2020	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	7/13/2020	7/17/2020	NJC	7
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	7/13/2020	7/17/2020	NJC	1
Fluoranthene	0.185	ug/l	0.0088	0.0281	1	M8270C	7/13/2020	7/17/2020	NJC	7
Fluorene	0.0309	ug/l	0.0079	0.0251	1	M8270C	7/13/2020	7/17/2020	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	7/13/2020	7/17/2020	NJC	1
1-Methyl naphthalene	0.037 "J"	ug/l	0.0191	0.0609	1	M8270C	7/13/2020	7/17/2020	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	7/13/2020	7/17/2020	NJC	1
Naphthalene	< 0.03	ug/l	0.03	0.1	1	M8270C	7/13/2020	7/17/2020	NJC	1
Phenanthrene	< 0.0143	ug/l	0.0143	0.0456	1	M8270C	7/13/2020	7/17/2020	NJC	1
Pyrene	0.12	ug/l	0.0121	0.0386	1	M8270C	7/13/2020	7/17/2020	NJC	1

Project Name MOSS AMERICAN **Invoice #** E38167
Project # 18687-102

Lab Code 5038167O
Sample ID TG1-2
Sample Matrix Water
Sample Date 7/8/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.33	ug/l	0.33	1	1	8260B		7/14/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		7/14/2020	CJR	1
Toluene	< 0.26	ug/l	0.26	0.83	1	8260B		7/14/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		7/14/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		7/14/2020	CJR	1
PAH SIM										
Acenaphthene	14.6	ug/l	0.047	0.15	5	M8270C	7/14/2020	7/17/2020	NJC	1
Acenaphthylene	< 0.078	ug/l	0.078	0.2475	5	M8270C	7/14/2020	7/17/2020	NJC	1
Anthracene	0.223 "J"	ug/l	0.075	0.239	5	M8270C	7/14/2020	7/17/2020	NJC	1
Benzo(a)anthracene	< 0.10	ug/l	0.1	0.335	5	M8270C	7/14/2020	7/17/2020	NJC	1
Benzo(a)pyrene	< 0.0835	ug/l	0.0835	0.2655	5	M8270C	7/14/2020	7/17/2020	NJC	1
Benzo(b)fluoranthene	< 0.08	ug/l	0.08	0.2545	5	M8270C	7/14/2020	7/17/2020	NJC	1
Benzo(g,h,i)perylene	< 0.071	ug/l	0.071	0.2255	5	M8270C	7/14/2020	7/17/2020	NJC	1
Benzo(k)fluoranthene	< 0.073	ug/l	0.073	0.2315	5	M8270C	7/14/2020	7/17/2020	NJC	1
Chrysene	< 0.0785	ug/l	0.0785	0.2495	5	M8270C	7/14/2020	7/17/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.0865	ug/l	0.0865	0.2745	5	M8270C	7/14/2020	7/17/2020	NJC	1
Fluoranthene	0.71	ug/l	0.044	0.1405	5	M8270C	7/14/2020	7/17/2020	NJC	1
Fluorene	0.89	ug/l	0.0395	0.1255	5	M8270C	7/14/2020	7/17/2020	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0605	ug/l	0.0605	0.1925	5	M8270C	7/14/2020	7/17/2020	NJC	1
1-Methyl naphthalene	< 0.0955	ug/l	0.0955	0.3045	5	M8270C	7/14/2020	7/17/2020	NJC	1
2-Methyl naphthalene	< 0.093	ug/l	0.093	0.295	5	M8270C	7/14/2020	7/17/2020	NJC	1
Naphthalene	< 0.15	ug/l	0.15	0.5	5	M8270C	7/14/2020	7/17/2020	NJC	1
Phenanthrene	< 0.0715	ug/l	0.0715	0.228	5	M8270C	7/14/2020	7/17/2020	NJC	1
Pyrene	0.289	ug/l	0.0605	0.193	5	M8270C	7/14/2020	7/17/2020	NJC	1

Project Name MOSS AMERICAN **Invoice #** E38167
Project # 18687-102

Lab Code 5038167P
Sample ID TG1-3
Sample Matrix Water
Sample Date 7/8/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.33	ug/l	0.33	1	1	8260B		7/14/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		7/14/2020	CJR	1
Toluene	< 0.26	ug/l	0.26	0.83	1	8260B		7/14/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		7/14/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		7/14/2020	CJR	1
PAH SIM										
Acenaphthene	1.93	ug/l	0.0094	0.03	1	M8270C	7/14/2020	7/17/2020	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	7/14/2020	7/17/2020	NJC	1
Anthracene	0.062	ug/l	0.015	0.0478	1	M8270C	7/14/2020	7/17/2020	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	7/14/2020	7/17/2020	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	7/14/2020	7/17/2020	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	7/14/2020	7/17/2020	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	7/14/2020	7/17/2020	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	7/14/2020	7/17/2020	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	7/14/2020	7/17/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	7/14/2020	7/17/2020	NJC	1
Fluoranthene	0.073	ug/l	0.0088	0.0281	1	M8270C	7/14/2020	7/17/2020	NJC	1
Fluorene	0.111	ug/l	0.0079	0.0251	1	M8270C	7/14/2020	7/17/2020	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	7/14/2020	7/17/2020	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	7/14/2020	7/17/2020	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	7/14/2020	7/17/2020	NJC	1
Naphthalene	< 0.03	ug/l	0.03	0.1	1	M8270C	7/14/2020	7/17/2020	NJC	1
Phenanthrene	< 0.0143	ug/l	0.0143	0.0456	1	M8270C	7/14/2020	7/17/2020	NJC	1
Pyrene	0.038 "J"	ug/l	0.0121	0.0386	1	M8270C	7/14/2020	7/17/2020	NJC	1

Project Name MOSS AMERICAN **Invoice #** E38167
Project # 18687-102

Lab Code 5038167Q
Sample ID TG2-1
Sample Matrix Water
Sample Date 7/8/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.33	ug/l	0.33	1	1	8260B		7/14/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		7/14/2020	CJR	1
Toluene	< 0.26	ug/l	0.26	0.83	1	8260B		7/14/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		7/14/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		7/14/2020	CJR	1
PAH SIM										
Acenaphthene	< 0.0094	ug/l	0.0094	0.03	1	M8270C	7/14/2020	7/17/2020	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	7/14/2020	7/17/2020	NJC	1
Anthracene	0.0163 "J"	ug/l	0.015	0.0478	1	M8270C	7/14/2020	7/17/2020	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	7/14/2020	7/17/2020	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	7/14/2020	7/17/2020	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	7/14/2020	7/17/2020	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	7/14/2020	7/17/2020	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	7/14/2020	7/17/2020	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	7/14/2020	7/17/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	7/14/2020	7/17/2020	NJC	1
Fluoranthene	< 0.0088	ug/l	0.0088	0.0281	1	M8270C	7/14/2020	7/17/2020	NJC	1
Fluorene	< 0.0079	ug/l	0.0079	0.0251	1	M8270C	7/14/2020	7/17/2020	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	7/14/2020	7/17/2020	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	7/14/2020	7/17/2020	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	7/14/2020	7/17/2020	NJC	1
Naphthalene	< 0.03	ug/l	0.03	0.1	1	M8270C	7/14/2020	7/17/2020	NJC	1
Phenanthrene	< 0.0143	ug/l	0.0143	0.0456	1	M8270C	7/14/2020	7/17/2020	NJC	1
Pyrene	< 0.0121	ug/l	0.0121	0.0386	1	M8270C	7/14/2020	7/17/2020	NJC	1

Project Name MOSS AMERICAN **Invoice #** E38167
Project # 18687-102

Lab Code 5038167R
Sample ID TG2-2
Sample Matrix Water
Sample Date 7/8/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.33	ug/l	0.33	1	1	8260B		7/14/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		7/14/2020	CJR	1
Toluene	< 0.26	ug/l	0.26	0.83	1	8260B		7/14/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		7/14/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		7/14/2020	CJR	1
PAH SIM										
Acenaphthene	0.043	ug/l	0.0094	0.03	1	M8270C	7/14/2020	7/17/2020	NJC	1
Acenaphthylene	0.0189 "J"	ug/l	0.0156	0.0495	1	M8270C	7/14/2020	7/17/2020	NJC	1
Anthracene	0.069	ug/l	0.015	0.0478	1	M8270C	7/14/2020	7/17/2020	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	7/14/2020	7/17/2020	NJC	1
Benzo(a)pyrene	0.0178 "J"	ug/l	0.0167	0.0531	1	M8270C	7/14/2020	7/17/2020	NJC	1
Benzo(b)fluoranthene	0.04 "J"	ug/l	0.016	0.0509	1	M8270C	7/14/2020	7/17/2020	NJC	1
Benzo(g,h,i)perylene	0.032 "J"	ug/l	0.0142	0.0451	1	M8270C	7/14/2020	7/17/2020	NJC	1
Benzo(k)fluoranthene	0.017 "J"	ug/l	0.0146	0.0463	1	M8270C	7/14/2020	7/17/2020	NJC	1
Chrysene	0.0222 "J"	ug/l	0.0157	0.0499	1	M8270C	7/14/2020	7/17/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	7/14/2020	7/17/2020	NJC	1
Fluoranthene	0.05	ug/l	0.0088	0.0281	1	M8270C	7/14/2020	7/17/2020	NJC	1
Fluorene	0.009 "J"	ug/l	0.0079	0.0251	1	M8270C	7/14/2020	7/17/2020	NJC	1
Indeno(1,2,3-cd)pyrene	0.0179 "J"	ug/l	0.0121	0.0385	1	M8270C	7/14/2020	7/17/2020	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	7/14/2020	7/17/2020	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	7/14/2020	7/17/2020	NJC	1
Naphthalene	< 0.03	ug/l	0.03	0.1	1	M8270C	7/14/2020	7/17/2020	NJC	1
Phenanthrene	0.0148 "J"	ug/l	0.0143	0.0456	1	M8270C	7/14/2020	7/17/2020	NJC	1
Pyrene	0.046	ug/l	0.0121	0.0386	1	M8270C	7/14/2020	7/17/2020	NJC	1

Project Name MOSS AMERICAN **Invoice #** E38167
Project # 18687-102

Lab Code 5038167S
Sample ID TG2-3
Sample Matrix Water
Sample Date 7/8/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.33	ug/l	0.33	1	1	8260B		7/14/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		7/14/2020	CJR	1
Toluene	< 0.26	ug/l	0.26	0.83	1	8260B		7/14/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		7/14/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		7/14/2020	CJR	1
PAH SIM										
Acenaphthene	< 0.0094	ug/l	0.0094	0.03	1	M8270C	7/14/2020	7/17/2020	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	7/14/2020	7/17/2020	NJC	1
Anthracene	0.046 "J"	ug/l	0.015	0.0478	1	M8270C	7/14/2020	7/17/2020	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	7/14/2020	7/17/2020	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	7/14/2020	7/17/2020	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	7/14/2020	7/17/2020	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	7/14/2020	7/17/2020	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	7/14/2020	7/17/2020	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	7/14/2020	7/17/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	7/14/2020	7/17/2020	NJC	1
Fluoranthene	< 0.0088	ug/l	0.0088	0.0281	1	M8270C	7/14/2020	7/17/2020	NJC	1
Fluorene	< 0.0079	ug/l	0.0079	0.0251	1	M8270C	7/14/2020	7/17/2020	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	7/14/2020	7/17/2020	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	7/14/2020	7/17/2020	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	7/14/2020	7/17/2020	NJC	1
Naphthalene	< 0.03	ug/l	0.03	0.1	1	M8270C	7/14/2020	7/17/2020	NJC	1
Phenanthrene	< 0.0143	ug/l	0.0143	0.0456	1	M8270C	7/14/2020	7/17/2020	NJC	1
Pyrene	< 0.0121	ug/l	0.0121	0.0386	1	M8270C	7/14/2020	7/17/2020	NJC	1

Project Name MOSS AMERICAN **Invoice #** E38167
Project # 18687-102

Lab Code 5038167T
Sample ID DUP #2
Sample Matrix Water
Sample Date 7/8/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.33	ug/l	0.33	1	1	8260B		7/14/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		7/14/2020	CJR	1
Toluene	0.54 "J"	ug/l	0.26	0.83	1	8260B		7/14/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		7/14/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		7/14/2020	CJR	1
PAH SIM										
Acenaphthene	37.0	ug/l	0.094	0.3	10	M8270C	7/14/2020	7/17/2020	NJC	1
Acenaphthylene	0.75	ug/l	0.156	0.495	10	M8270C	7/14/2020	7/17/2020	NJC	1
Anthracene	0.172 "J"	ug/l	0.15	0.478	10	M8270C	7/14/2020	7/17/2020	NJC	1
Benzo(a)anthracene	0.209 "J"	ug/l	0.2	0.67	10	M8270C	7/14/2020	7/17/2020	NJC	1
Benzo(a)pyrene	< 0.167	ug/l	0.167	0.531	10	M8270C	7/14/2020	7/17/2020	NJC	1
Benzo(b)fluoranthene	< 0.16	ug/l	0.16	0.509	10	M8270C	7/14/2020	7/17/2020	NJC	1
Benzo(g,h,i)perylene	< 0.142	ug/l	0.142	0.451	10	M8270C	7/14/2020	7/17/2020	NJC	1
Benzo(k)fluoranthene	< 0.146	ug/l	0.146	0.463	10	M8270C	7/14/2020	7/17/2020	NJC	1
Chrysene	< 0.157	ug/l	0.157	0.499	10	M8270C	7/14/2020	7/17/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.173	ug/l	0.173	0.549	10	M8270C	7/14/2020	7/17/2020	NJC	1
Fluoranthene	4.60	ug/l	0.088	0.281	10	M8270C	7/14/2020	7/17/2020	NJC	1
Fluorene	5.60	ug/l	0.079	0.251	10	M8270C	7/14/2020	7/17/2020	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.121	ug/l	0.121	0.385	10	M8270C	7/14/2020	7/17/2020	NJC	1
1-Methyl naphthalene	0.233 "J"	ug/l	0.191	0.609	10	M8270C	7/14/2020	7/17/2020	NJC	1
2-Methyl naphthalene	< 0.186	ug/l	0.186	0.59	10	M8270C	7/14/2020	7/17/2020	NJC	1
Naphthalene	< 0.3	ug/l	0.3	1	10	M8270C	7/14/2020	7/17/2020	NJC	1
Phenanthrene	< 0.143	ug/l	0.143	0.456	10	M8270C	7/14/2020	7/17/2020	NJC	1
Pyrene	0.97	ug/l	0.121	0.386	10	M8270C	7/14/2020	7/17/2020	NJC	1

Project Name MOSS AMERICAN **Invoice #** E38167
Project # 18687-102

Lab Code 5038167U
Sample ID MW-31SR
Sample Matrix Water
Sample Date 7/9/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.33	ug/l	0.33	1	1	8260B		7/15/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		7/15/2020	CJR	1
Toluene	< 0.26	ug/l	0.26	0.83	1	8260B		7/15/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		7/15/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		7/15/2020	CJR	1
PAH SIM										
Acenaphthene	0.0116 "J"	ug/l	0.0094	0.03	1	M8270C	7/14/2020	7/17/2020	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	7/14/2020	7/17/2020	NJC	1
Anthracene	< 0.015	ug/l	0.015	0.0478	1	M8270C	7/14/2020	7/17/2020	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	7/14/2020	7/17/2020	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	7/14/2020	7/17/2020	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	7/14/2020	7/17/2020	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	7/14/2020	7/17/2020	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	7/14/2020	7/17/2020	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	7/14/2020	7/17/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	7/14/2020	7/17/2020	NJC	1
Fluoranthene	< 0.0088	ug/l	0.0088	0.0281	1	M8270C	7/14/2020	7/17/2020	NJC	1
Fluorene	< 0.0079	ug/l	0.0079	0.0251	1	M8270C	7/14/2020	7/17/2020	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	7/14/2020	7/17/2020	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	7/14/2020	7/17/2020	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	7/14/2020	7/17/2020	NJC	1
Naphthalene	< 0.03	ug/l	0.03	0.1	1	M8270C	7/14/2020	7/17/2020	NJC	1
Phenanthrene	< 0.0143	ug/l	0.0143	0.0456	1	M8270C	7/14/2020	7/17/2020	NJC	1
Pyrene	< 0.0121	ug/l	0.0121	0.0386	1	M8270C	7/14/2020	7/17/2020	NJC	1

Project Name MOSS AMERICAN **Invoice #** E38167
Project # 18687-102

Lab Code 5038167V
Sample ID MW-35S
Sample Matrix Water
Sample Date 7/9/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.33	ug/l	0.33	1	1	8260B		7/15/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		7/15/2020	CJR	1
Toluene	< 0.26	ug/l	0.26	0.83	1	8260B		7/15/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		7/15/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		7/15/2020	CJR	1
PAH SIM										
Acenaphthene	21.0	ug/l	0.047	0.15	5	M8270C	7/14/2020	7/17/2020	NJC	1
Acenaphthylene	0.109 "J"	ug/l	0.078	0.2475	5	M8270C	7/14/2020	7/17/2020	NJC	1
Anthracene	0.157 "J"	ug/l	0.075	0.239	5	M8270C	7/14/2020	7/17/2020	NJC	1
Benzo(a)anthracene	< 0.10	ug/l	0.1	0.335	5	M8270C	7/14/2020	7/17/2020	NJC	1
Benzo(a)pyrene	< 0.0835	ug/l	0.0835	0.2655	5	M8270C	7/14/2020	7/17/2020	NJC	1
Benzo(b)fluoranthene	< 0.08	ug/l	0.08	0.2545	5	M8270C	7/14/2020	7/17/2020	NJC	1
Benzo(g,h,i)perylene	< 0.071	ug/l	0.071	0.2255	5	M8270C	7/14/2020	7/17/2020	NJC	1
Benzo(k)fluoranthene	< 0.073	ug/l	0.073	0.2315	5	M8270C	7/14/2020	7/17/2020	NJC	1
Chrysene	< 0.0785	ug/l	0.0785	0.2495	5	M8270C	7/14/2020	7/17/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.0865	ug/l	0.0865	0.2745	5	M8270C	7/14/2020	7/17/2020	NJC	1
Fluoranthene	0.34	ug/l	0.044	0.1405	5	M8270C	7/14/2020	7/17/2020	NJC	1
Fluorene	0.184	ug/l	0.0395	0.1255	5	M8270C	7/14/2020	7/17/2020	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0605	ug/l	0.0605	0.1925	5	M8270C	7/14/2020	7/17/2020	NJC	1
1-Methyl naphthalene	< 0.0955	ug/l	0.0955	0.3045	5	M8270C	7/14/2020	7/17/2020	NJC	1
2-Methyl naphthalene	< 0.093	ug/l	0.093	0.295	5	M8270C	7/14/2020	7/17/2020	NJC	1
Naphthalene	< 0.15	ug/l	0.15	0.5	5	M8270C	7/14/2020	7/17/2020	NJC	1
Phenanthrene	< 0.0715	ug/l	0.0715	0.228	5	M8270C	7/14/2020	7/17/2020	NJC	1
Pyrene	0.227	ug/l	0.0605	0.193	5	M8270C	7/14/2020	7/17/2020	NJC	1

Project Name MOSS AMERICAN **Invoice #** E38167
Project # 18687-102

Lab Code 5038167W
Sample ID TG3-1
Sample Matrix Water
Sample Date 7/9/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.33	ug/l	0.33	1	1	8260B		7/15/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		7/15/2020	CJR	1
Toluene	< 0.26	ug/l	0.26	0.83	1	8260B		7/15/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		7/15/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		7/15/2020	CJR	1
PAH SIM										
Acenaphthene	0.164	ug/l	0.0094	0.03	1	M8270C	7/14/2020	7/17/2020	NJC	1
Acenaphthylene	0.063	ug/l	0.0156	0.0495	1	M8270C	7/14/2020	7/17/2020	NJC	1
Anthracene	0.205	ug/l	0.015	0.0478	1	M8270C	7/14/2020	7/17/2020	NJC	1
Benzo(a)anthracene	0.04 "J"	ug/l	0.02	0.067	1	M8270C	7/14/2020	7/17/2020	NJC	1
Benzo(a)pyrene	0.024 "J"	ug/l	0.0167	0.0531	1	M8270C	7/14/2020	7/17/2020	NJC	1
Benzo(b)fluoranthene	0.043 "J"	ug/l	0.016	0.0509	1	M8270C	7/14/2020	7/17/2020	NJC	1
Benzo(g,h,i)perylene	0.042 "J"	ug/l	0.0142	0.0451	1	M8270C	7/14/2020	7/17/2020	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	7/14/2020	7/17/2020	NJC	1
Chrysene	0.043 "J"	ug/l	0.0157	0.0499	1	M8270C	7/14/2020	7/17/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	7/14/2020	7/17/2020	NJC	1
Fluoranthene	0.158	ug/l	0.0088	0.0281	1	M8270C	7/14/2020	7/17/2020	NJC	1
Fluorene	0.033	ug/l	0.0079	0.0251	1	M8270C	7/14/2020	7/17/2020	NJC	1
Indeno(1,2,3-cd)pyrene	0.0249 "J"	ug/l	0.0121	0.0385	1	M8270C	7/14/2020	7/17/2020	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	7/14/2020	7/17/2020	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	7/14/2020	7/17/2020	NJC	1
Naphthalene	< 0.03	ug/l	0.03	0.1	1	M8270C	7/14/2020	7/17/2020	NJC	1
Phenanthrene	0.035 "J"	ug/l	0.0143	0.0456	1	M8270C	7/14/2020	7/17/2020	NJC	1
Pyrene	0.121	ug/l	0.0121	0.0386	1	M8270C	7/14/2020	7/17/2020	NJC	1

Project Name MOSS AMERICAN **Invoice #** E38167
Project # 18687-102

Lab Code 5038167X
Sample ID TG3-2
Sample Matrix Water
Sample Date 7/9/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.33	ug/l	0.33	1	1	8260B		7/15/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		7/15/2020	CJR	1
Toluene	< 0.26	ug/l	0.26	0.83	1	8260B		7/15/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		7/15/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		7/15/2020	CJR	1
PAH SIM										
Acenaphthene	0.163	ug/l	0.0094	0.03	1	M8270C	7/14/2020	7/17/2020	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	7/14/2020	7/17/2020	NJC	1
Anthracene	0.082	ug/l	0.015	0.0478	1	M8270C	7/14/2020	7/17/2020	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	7/14/2020	7/17/2020	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	7/14/2020	7/17/2020	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	7/14/2020	7/17/2020	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	7/14/2020	7/17/2020	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	7/14/2020	7/17/2020	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	7/14/2020	7/17/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	7/14/2020	7/17/2020	NJC	1
Fluoranthene	0.0259 "J"	ug/l	0.0088	0.0281	1	M8270C	7/14/2020	7/17/2020	NJC	1
Fluorene	0.0112 "J"	ug/l	0.0079	0.0251	1	M8270C	7/14/2020	7/17/2020	NJC	1
Indeno(1,2,3-cd)pyrene	0.0145 "J"	ug/l	0.0121	0.0385	1	M8270C	7/14/2020	7/17/2020	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	7/14/2020	7/17/2020	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	7/14/2020	7/17/2020	NJC	1
Naphthalene	< 0.03	ug/l	0.03	0.1	1	M8270C	7/14/2020	7/17/2020	NJC	1
Phenanthrene	< 0.0143	ug/l	0.0143	0.0456	1	M8270C	7/14/2020	7/17/2020	NJC	1
Pyrene	0.018 "J"	ug/l	0.0121	0.0386	1	M8270C	7/14/2020	7/17/2020	NJC	1

Project Name MOSS AMERICAN **Invoice #** E38167
Project # 18687-102

Lab Code 5038167Y
Sample ID TG3-3
Sample Matrix Water
Sample Date 7/9/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.33	ug/l	0.33	1	1	8260B		7/15/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		7/15/2020	CJR	1
Toluene	< 0.26	ug/l	0.26	0.83	1	8260B		7/15/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		7/15/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		7/15/2020	CJR	1
PAH SIM										
Acenaphthene	0.235	ug/l	0.0094	0.03	1	M8270C	7/14/2020	7/17/2020	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	7/14/2020	7/17/2020	NJC	1
Anthracene	0.096	ug/l	0.015	0.0478	1	M8270C	7/14/2020	7/17/2020	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	7/14/2020	7/17/2020	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	7/14/2020	7/17/2020	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	7/14/2020	7/17/2020	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	7/14/2020	7/17/2020	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	7/14/2020	7/17/2020	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	7/14/2020	7/17/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	7/14/2020	7/17/2020	NJC	1
Fluoranthene	0.0266 "J"	ug/l	0.0088	0.0281	1	M8270C	7/14/2020	7/17/2020	NJC	1
Fluorene	0.0136 "J"	ug/l	0.0079	0.0251	1	M8270C	7/14/2020	7/17/2020	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	7/14/2020	7/17/2020	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	7/14/2020	7/17/2020	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	7/14/2020	7/17/2020	NJC	1
Naphthalene	< 0.03	ug/l	0.03	0.1	1	M8270C	7/14/2020	7/17/2020	NJC	1
Phenanthrene	0.069	ug/l	0.0143	0.0456	1	M8270C	7/14/2020	7/17/2020	NJC	1
Pyrene	0.0192 "J"	ug/l	0.0121	0.0386	1	M8270C	7/14/2020	7/17/2020	NJC	1

Project Name MOSS AMERICAN **Invoice #** E38167
Project # 18687-102

Lab Code 5038167Z
Sample ID TG4-1
Sample Matrix Water
Sample Date 7/9/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.33	ug/l	0.33	1	1	8260B		7/15/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		7/15/2020	CJR	1
Toluene	< 0.26	ug/l	0.26	0.83	1	8260B		7/15/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		7/15/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		7/15/2020	CJR	1
PAH SIM										
Acenaphthene	< 0.0094	ug/l	0.0094	0.03	1	M8270C	7/14/2020	7/17/2020	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	7/14/2020	7/17/2020	NJC	1
Anthracene	0.052	ug/l	0.015	0.0478	1	M8270C	7/14/2020	7/17/2020	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	7/14/2020	7/17/2020	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	7/14/2020	7/17/2020	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	7/14/2020	7/17/2020	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	7/14/2020	7/17/2020	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	7/14/2020	7/17/2020	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	7/14/2020	7/17/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	7/14/2020	7/17/2020	NJC	1
Fluoranthene	< 0.0088	ug/l	0.0088	0.0281	1	M8270C	7/14/2020	7/17/2020	NJC	1
Fluorene	< 0.0079	ug/l	0.0079	0.0251	1	M8270C	7/14/2020	7/17/2020	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	7/14/2020	7/17/2020	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	7/14/2020	7/17/2020	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	7/14/2020	7/17/2020	NJC	1
Naphthalene	< 0.03	ug/l	0.03	0.1	1	M8270C	7/14/2020	7/17/2020	NJC	1
Phenanthrene	< 0.0143	ug/l	0.0143	0.0456	1	M8270C	7/14/2020	7/17/2020	NJC	1
Pyrene	< 0.0121	ug/l	0.0121	0.0386	1	M8270C	7/14/2020	7/17/2020	NJC	1

Project Name MOSS AMERICAN **Invoice #** E38167
Project # 18687-102

Lab Code 538167AA
Sample ID TG4-2
Sample Matrix Water
Sample Date 7/9/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.33	ug/l	0.33	1	1	8260B		7/15/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		7/15/2020	CJR	1
Toluene	< 0.26	ug/l	0.26	0.83	1	8260B		7/15/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		7/15/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		7/15/2020	CJR	1
PAH SIM										
Acenaphthene	0.235	ug/l	0.0094	0.03	1	M8270C	7/14/2020	7/17/2020	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	7/14/2020	7/17/2020	NJC	1
Anthracene	0.086	ug/l	0.015	0.0478	1	M8270C	7/14/2020	7/17/2020	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	7/14/2020	7/17/2020	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	7/14/2020	7/17/2020	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	7/14/2020	7/17/2020	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	7/14/2020	7/17/2020	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	7/14/2020	7/17/2020	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	7/14/2020	7/17/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	7/14/2020	7/17/2020	NJC	1
Fluoranthene	0.113	ug/l	0.0088	0.0281	1	M8270C	7/14/2020	7/17/2020	NJC	1
Fluorene	< 0.0079	ug/l	0.0079	0.0251	1	M8270C	7/14/2020	7/17/2020	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	7/14/2020	7/17/2020	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	7/14/2020	7/17/2020	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	7/14/2020	7/17/2020	NJC	1
Naphthalene	< 0.03	ug/l	0.03	0.1	1	M8270C	7/14/2020	7/17/2020	NJC	1
Phenanthrene	< 0.0143	ug/l	0.0143	0.0456	1	M8270C	7/14/2020	7/17/2020	NJC	1
Pyrene	0.077	ug/l	0.0121	0.0386	1	M8270C	7/14/2020	7/17/2020	NJC	1

Project Name MOSS AMERICAN **Invoice #** E38167
Project # 18687-102

Lab Code 538167BB
Sample ID TG4-3
Sample Matrix Water
Sample Date 7/9/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.33	ug/l	0.33	1	1	8260B		7/15/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		7/15/2020	CJR	1
Toluene	< 0.26	ug/l	0.26	0.83	1	8260B		7/15/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		7/15/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		7/15/2020	CJR	1
PAH SIM										
Acenaphthene	< 0.0094	ug/l	0.0094	0.03	1	M8270C	7/14/2020	7/18/2020	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	7/14/2020	7/18/2020	NJC	1
Anthracene	0.07	ug/l	0.015	0.0478	1	M8270C	7/14/2020	7/18/2020	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	7/14/2020	7/18/2020	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	7/14/2020	7/18/2020	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	7/14/2020	7/18/2020	NJC	1
Benzo(g,h,i)perylene	0.0181 "J"	ug/l	0.0142	0.0451	1	M8270C	7/14/2020	7/18/2020	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	7/14/2020	7/18/2020	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	7/14/2020	7/18/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	7/14/2020	7/18/2020	NJC	1
Fluoranthene	0.0118 "J"	ug/l	0.0088	0.0281	1	M8270C	7/14/2020	7/18/2020	NJC	1
Fluorene	< 0.0079	ug/l	0.0079	0.0251	1	M8270C	7/14/2020	7/18/2020	NJC	1
Indeno(1,2,3-cd)pyrene	0.0176 "J"	ug/l	0.0121	0.0385	1	M8270C	7/14/2020	7/18/2020	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	7/14/2020	7/18/2020	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	7/14/2020	7/18/2020	NJC	1
Naphthalene	< 0.03	ug/l	0.03	0.1	1	M8270C	7/14/2020	7/18/2020	NJC	1
Phenanthrene	< 0.0143	ug/l	0.0143	0.0456	1	M8270C	7/14/2020	7/18/2020	NJC	1
Pyrene	< 0.0121	ug/l	0.0121	0.0386	1	M8270C	7/14/2020	7/18/2020	NJC	1

Project Name MOSS AMERICAN **Invoice #** E38167
Project # 18687-102

Lab Code 538167CC
Sample ID PZ-01
Sample Matrix Water
Sample Date 7/10/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.33	ug/l	0.33	1	1	8260B		7/15/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		7/15/2020	CJR	1
Toluene	< 0.26	ug/l	0.26	0.83	1	8260B		7/15/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		7/15/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		7/15/2020	CJR	1
PAH SIM										
Acenaphthene	< 0.0094	ug/l	0.0094	0.03	1	M8270C	7/14/2020	7/18/2020	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	7/14/2020	7/18/2020	NJC	1
Anthracene	< 0.015	ug/l	0.015	0.0478	1	M8270C	7/14/2020	7/18/2020	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	7/14/2020	7/18/2020	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	7/14/2020	7/18/2020	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	7/14/2020	7/18/2020	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	7/14/2020	7/18/2020	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	7/14/2020	7/18/2020	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	7/14/2020	7/18/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	7/14/2020	7/18/2020	NJC	1
Fluoranthene	< 0.0088	ug/l	0.0088	0.0281	1	M8270C	7/14/2020	7/18/2020	NJC	1
Fluorene	< 0.0079	ug/l	0.0079	0.0251	1	M8270C	7/14/2020	7/18/2020	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	7/14/2020	7/18/2020	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	7/14/2020	7/18/2020	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	7/14/2020	7/18/2020	NJC	1
Naphthalene	< 0.03	ug/l	0.03	0.1	1	M8270C	7/14/2020	7/18/2020	NJC	1
Phenanthrene	< 0.0143	ug/l	0.0143	0.0456	1	M8270C	7/14/2020	7/18/2020	NJC	1
Pyrene	< 0.0121	ug/l	0.0121	0.0386	1	M8270C	7/14/2020	7/18/2020	NJC	1

Project Name MOSS AMERICAN **Invoice #** E38167
Project # 18687-102

Lab Code 538167DD
Sample ID PZ-05
Sample Matrix Water
Sample Date 7/10/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.33	ug/l	0.33	1	1	8260B		7/15/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		7/15/2020	CJR	1
Toluene	< 0.26	ug/l	0.26	0.83	1	8260B		7/15/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		7/15/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		7/15/2020	CJR	1
PAH SIM										
Acenaphthene	< 0.0094	ug/l	0.0094	0.03	1	M8270C	7/14/2020	7/18/2020	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	7/14/2020	7/18/2020	NJC	1
Anthracene	0.054	ug/l	0.015	0.0478	1	M8270C	7/14/2020	7/18/2020	NJC	1
Benzo(a)anthracene	0.0285 "J"	ug/l	0.02	0.067	1	M8270C	7/14/2020	7/18/2020	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	7/14/2020	7/18/2020	NJC	1
Benzo(b)fluoranthene	0.0258 "J"	ug/l	0.016	0.0509	1	M8270C	7/14/2020	7/18/2020	NJC	1
Benzo(g,h,i)perylene	0.0225 "J"	ug/l	0.0142	0.0451	1	M8270C	7/14/2020	7/18/2020	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	7/14/2020	7/18/2020	NJC	1
Chrysene	0.0242 "J"	ug/l	0.0157	0.0499	1	M8270C	7/14/2020	7/18/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	7/14/2020	7/18/2020	NJC	1
Fluoranthene	0.114	ug/l	0.0088	0.0281	1	M8270C	7/14/2020	7/18/2020	NJC	1
Fluorene	< 0.0079	ug/l	0.0079	0.0251	1	M8270C	7/14/2020	7/18/2020	NJC	1
Indeno(1,2,3-cd)pyrene	0.0126 "J"	ug/l	0.0121	0.0385	1	M8270C	7/14/2020	7/18/2020	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	7/14/2020	7/18/2020	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	7/14/2020	7/18/2020	NJC	1
Naphthalene	< 0.03	ug/l	0.03	0.1	1	M8270C	7/14/2020	7/18/2020	NJC	1
Phenanthrene	0.0154 "J"	ug/l	0.0143	0.0456	1	M8270C	7/14/2020	7/18/2020	NJC	1
Pyrene	0.086	ug/l	0.0121	0.0386	1	M8270C	7/14/2020	7/18/2020	NJC	1

Project Name MOSS AMERICAN **Invoice #** E38167
Project # 18687-102

Lab Code 538167EE
Sample ID PZ-06
Sample Matrix Water
Sample Date 7/10/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.33	ug/l	0.33	1	1	8260B		7/16/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		7/16/2020	CJR	1
Toluene	< 0.26	ug/l	0.26	0.83	1	8260B		7/16/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		7/16/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		7/16/2020	CJR	1
PAH SIM										
Acenaphthene	< 0.0094	ug/l	0.0094	0.03	1	M8270C	7/14/2020	7/18/2020	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	7/14/2020	7/18/2020	NJC	1
Anthracene	0.0301 "J"	ug/l	0.015	0.0478	1	M8270C	7/14/2020	7/18/2020	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	7/14/2020	7/18/2020	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	7/14/2020	7/18/2020	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	7/14/2020	7/18/2020	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	7/14/2020	7/18/2020	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	7/14/2020	7/18/2020	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	7/14/2020	7/18/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	7/14/2020	7/18/2020	NJC	1
Fluoranthene	< 0.0088	ug/l	0.0088	0.0281	1	M8270C	7/14/2020	7/18/2020	NJC	1
Fluorene	< 0.0079	ug/l	0.0079	0.0251	1	M8270C	7/14/2020	7/18/2020	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	7/14/2020	7/18/2020	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	7/14/2020	7/18/2020	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	7/14/2020	7/18/2020	NJC	1
Naphthalene	< 0.03	ug/l	0.03	0.1	1	M8270C	7/14/2020	7/18/2020	NJC	1
Phenanthrene	< 0.0143	ug/l	0.0143	0.0456	1	M8270C	7/14/2020	7/18/2020	NJC	1
Pyrene	< 0.0121	ug/l	0.0121	0.0386	1	M8270C	7/14/2020	7/18/2020	NJC	1

Project Name MOSS AMERICAN **Invoice #** E38167
Project # 18687-102

Lab Code 538167FF
Sample ID MW-37S
Sample Matrix Water
Sample Date 7/10/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.33	ug/l	0.33	1	1	8260B		7/16/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		7/16/2020	CJR	1
Toluene	< 0.26	ug/l	0.26	0.83	1	8260B		7/16/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		7/16/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		7/16/2020	CJR	1
PAH SIM										
Acenaphthene	< 0.0094	ug/l	0.0094	0.03	1	M8270C	7/14/2020	7/18/2020	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	7/14/2020	7/18/2020	NJC	1
Anthracene	0.0185 "J"	ug/l	0.015	0.0478	1	M8270C	7/14/2020	7/18/2020	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	7/14/2020	7/18/2020	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	7/14/2020	7/18/2020	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	7/14/2020	7/18/2020	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	7/14/2020	7/18/2020	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	7/14/2020	7/18/2020	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	7/14/2020	7/18/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	7/14/2020	7/18/2020	NJC	1
Fluoranthene	< 0.0088	ug/l	0.0088	0.0281	1	M8270C	7/14/2020	7/18/2020	NJC	1
Fluorene	< 0.0079	ug/l	0.0079	0.0251	1	M8270C	7/14/2020	7/18/2020	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	7/14/2020	7/18/2020	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	7/14/2020	7/18/2020	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	7/14/2020	7/18/2020	NJC	1
Naphthalene	< 0.03	ug/l	0.03	0.1	1	M8270C	7/14/2020	7/18/2020	NJC	1
Phenanthrene	< 0.0143	ug/l	0.0143	0.0456	1	M8270C	7/14/2020	7/18/2020	NJC	1
Pyrene	< 0.0121	ug/l	0.0121	0.0386	1	M8270C	7/14/2020	7/18/2020	NJC	1

Project Name MOSS AMERICAN **Invoice #** E38167
Project # 18687-102

Lab Code 538167GG
Sample ID TG5-1
Sample Matrix Water
Sample Date 7/10/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.33	ug/l	0.33	1	1	8260B		7/16/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		7/16/2020	CJR	1
Toluene	< 0.26	ug/l	0.26	0.83	1	8260B		7/16/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		7/16/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		7/16/2020	CJR	1
PAH SIM										
Acenaphthene	< 0.0094	ug/l	0.0094	0.03	1	M8270C	7/14/2020	7/18/2020	NJC	1
Acenaphthylene	0.0312 "J"	ug/l	0.0156	0.0495	1	M8270C	7/14/2020	7/18/2020	NJC	1
Anthracene	0.102	ug/l	0.015	0.0478	1	M8270C	7/14/2020	7/18/2020	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	7/14/2020	7/18/2020	NJC	1
Benzo(a)pyrene	0.0198 "J"	ug/l	0.0167	0.0531	1	M8270C	7/14/2020	7/18/2020	NJC	1
Benzo(b)fluoranthene	0.037 "J"	ug/l	0.016	0.0509	1	M8270C	7/14/2020	7/18/2020	NJC	1
Benzo(g,h,i)perylene	0.037 "J"	ug/l	0.0142	0.0451	1	M8270C	7/14/2020	7/18/2020	NJC	1
Benzo(k)fluoranthene	0.016 "J"	ug/l	0.0146	0.0463	1	M8270C	7/14/2020	7/18/2020	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	7/14/2020	7/18/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	7/14/2020	7/18/2020	NJC	1
Fluoranthene	0.0186 "J"	ug/l	0.0088	0.0281	1	M8270C	7/14/2020	7/18/2020	NJC	1
Fluorene	< 0.0079	ug/l	0.0079	0.0251	1	M8270C	7/14/2020	7/18/2020	NJC	1
Indeno(1,2,3-cd)pyrene	0.0259 "J"	ug/l	0.0121	0.0385	1	M8270C	7/14/2020	7/18/2020	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	7/14/2020	7/18/2020	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	7/14/2020	7/18/2020	NJC	1
Naphthalene	< 0.03	ug/l	0.03	0.1	1	M8270C	7/14/2020	7/18/2020	NJC	1
Phenanthrene	< 0.0143	ug/l	0.0143	0.0456	1	M8270C	7/14/2020	7/18/2020	NJC	1
Pyrene	0.0248 "J"	ug/l	0.0121	0.0386	1	M8270C	7/14/2020	7/18/2020	NJC	1

Project Name MOSS AMERICAN **Invoice #** E38167
Project # 18687-102

Lab Code 538167HH
Sample ID TG5-2
Sample Matrix Water
Sample Date 7/10/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.33	ug/l	0.33	1	1	8260B		7/16/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		7/16/2020	CJR	1
Toluene	< 0.26	ug/l	0.26	0.83	1	8260B		7/16/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		7/16/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		7/16/2020	CJR	1
PAH SIM										
Acenaphthene	< 0.0094	ug/l	0.0094	0.03	1	M8270C	7/17/2020	7/18/2020	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	7/17/2020	7/18/2020	NJC	1
Anthracene	0.12	ug/l	0.015	0.0478	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	7/17/2020	7/18/2020	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	7/17/2020	7/18/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	7/17/2020	7/18/2020	NJC	1
Fluoranthene	0.044	ug/l	0.0088	0.0281	1	M8270C	7/17/2020	7/18/2020	NJC	1
Fluorene	< 0.0079	ug/l	0.0079	0.0251	1	M8270C	7/17/2020	7/18/2020	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	7/17/2020	7/18/2020	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	7/17/2020	7/18/2020	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	7/17/2020	7/18/2020	NJC	1
Naphthalene	< 0.03	ug/l	0.03	0.1	1	M8270C	7/17/2020	7/18/2020	NJC	1
Phenanthrene	< 0.0143	ug/l	0.0143	0.0456	1	M8270C	7/17/2020	7/18/2020	NJC	1
Pyrene	0.04	ug/l	0.0121	0.0386	1	M8270C	7/17/2020	7/18/2020	NJC	1

Project Name MOSS AMERICAN **Invoice #** E38167
Project # 18687-102

Lab Code 538167II
Sample ID TG5-3
Sample Matrix Water
Sample Date 7/10/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.33	ug/l	0.33	1	1	8260B		7/16/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		7/16/2020	CJR	1
Toluene	< 0.26	ug/l	0.26	0.83	1	8260B		7/16/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		7/16/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		7/16/2020	CJR	1
PAH SIM										
Acenaphthene	< 0.0094	ug/l	0.0094	0.03	1	M8270C	7/17/2020	7/18/2020	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	7/17/2020	7/18/2020	NJC	1
Anthracene	0.091	ug/l	0.015	0.0478	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	7/17/2020	7/18/2020	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	7/17/2020	7/18/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	7/17/2020	7/18/2020	NJC	1
Fluoranthene	0.0144 "J"	ug/l	0.0088	0.0281	1	M8270C	7/17/2020	7/18/2020	NJC	1
Fluorene	< 0.0079	ug/l	0.0079	0.0251	1	M8270C	7/17/2020	7/18/2020	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	7/17/2020	7/18/2020	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	7/17/2020	7/18/2020	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	7/17/2020	7/18/2020	NJC	1
Naphthalene	< 0.03	ug/l	0.03	0.1	1	M8270C	7/17/2020	7/18/2020	NJC	1
Phenanthrene	< 0.0143	ug/l	0.0143	0.0456	1	M8270C	7/17/2020	7/18/2020	NJC	1
Pyrene	0.0221 "J"	ug/l	0.0121	0.0386	1	M8270C	7/17/2020	7/18/2020	NJC	1

Project Name MOSS AMERICAN **Invoice #** E38167
Project # 18687-102

Lab Code 538167JJ
Sample ID TG6-1
Sample Matrix Water
Sample Date 7/10/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.33	ug/l	0.33	1	1	8260B		7/16/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		7/16/2020	CJR	1
Toluene	< 0.26	ug/l	0.26	0.83	1	8260B		7/16/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		7/16/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		7/16/2020	CJR	1
PAH SIM										
Acenaphthene	0.51	ug/l	0.0094	0.03	1	M8270C	7/17/2020	7/18/2020	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	7/17/2020	7/18/2020	NJC	1
Anthracene	0.04 "J"	ug/l	0.015	0.0478	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(a)anthracene	0.035 "J"	ug/l	0.02	0.067	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(a)pyrene	0.033 "J"	ug/l	0.0167	0.0531	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(b)fluoranthene	0.043 "J"	ug/l	0.016	0.0509	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(g,h,i)perylene	0.0158 "J"	ug/l	0.0142	0.0451	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(k)fluoranthene	0.039 "J"	ug/l	0.0146	0.0463	1	M8270C	7/17/2020	7/18/2020	NJC	1
Chrysene	0.048 "J"	ug/l	0.0157	0.0499	1	M8270C	7/17/2020	7/18/2020	NJC	1
Dibenzo(a,h)anthracene	0.0208 "J"	ug/l	0.0173	0.0549	1	M8270C	7/17/2020	7/18/2020	NJC	1
Fluoranthene	0.0155 "J"	ug/l	0.0088	0.0281	1	M8270C	7/17/2020	7/18/2020	NJC	1
Fluorene	0.021 "J"	ug/l	0.0079	0.0251	1	M8270C	7/17/2020	7/18/2020	NJC	1
Indeno(1,2,3-cd)pyrene	0.0182 "J"	ug/l	0.0121	0.0385	1	M8270C	7/17/2020	7/18/2020	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	7/17/2020	7/18/2020	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	7/17/2020	7/18/2020	NJC	1
Naphthalene	< 0.03	ug/l	0.03	0.1	1	M8270C	7/17/2020	7/18/2020	NJC	1
Phenanthrene	< 0.0143	ug/l	0.0143	0.0456	1	M8270C	7/17/2020	7/18/2020	NJC	1
Pyrene	< 0.0121	ug/l	0.0121	0.0386	1	M8270C	7/17/2020	7/18/2020	NJC	1

Project Name MOSS AMERICAN **Invoice #** E38167
Project # 18687-102

Lab Code 538167KK
Sample ID TG6-2
Sample Matrix Water
Sample Date 7/10/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.33	ug/l	0.33	1	1	8260B		7/16/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		7/16/2020	CJR	1
Toluene	< 0.26	ug/l	0.26	0.83	1	8260B		7/16/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		7/16/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		7/16/2020	CJR	1
PAH SIM										
Acenaphthene	< 0.0094	ug/l	0.0094	0.03	1	M8270C	7/17/2020	7/18/2020	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	7/17/2020	7/18/2020	NJC	1
Anthracene	0.054	ug/l	0.015	0.0478	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(a)anthracene	0.0277 "J"	ug/l	0.02	0.067	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(a)pyrene	0.032 "J"	ug/l	0.0167	0.0531	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(b)fluoranthene	0.037 "J"	ug/l	0.016	0.0509	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(g,h,i)perylene	0.0185 "J"	ug/l	0.0142	0.0451	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(k)fluoranthene	0.038 "J"	ug/l	0.0146	0.0463	1	M8270C	7/17/2020	7/18/2020	NJC	1
Chrysene	0.033 "J"	ug/l	0.0157	0.0499	1	M8270C	7/17/2020	7/18/2020	NJC	1
Dibenzo(a,h)anthracene	0.0192 "J"	ug/l	0.0173	0.0549	1	M8270C	7/17/2020	7/18/2020	NJC	1
Fluoranthene	0.079	ug/l	0.0088	0.0281	1	M8270C	7/17/2020	7/18/2020	NJC	1
Fluorene	< 0.0079	ug/l	0.0079	0.0251	1	M8270C	7/17/2020	7/18/2020	NJC	1
Indeno(1,2,3-cd)pyrene	0.0217 "J"	ug/l	0.0121	0.0385	1	M8270C	7/17/2020	7/18/2020	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	7/17/2020	7/18/2020	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	7/17/2020	7/18/2020	NJC	1
Naphthalene	< 0.03	ug/l	0.03	0.1	1	M8270C	7/17/2020	7/18/2020	NJC	1
Phenanthrene	< 0.0143	ug/l	0.0143	0.0456	1	M8270C	7/17/2020	7/18/2020	NJC	1
Pyrene	0.071	ug/l	0.0121	0.0386	1	M8270C	7/17/2020	7/18/2020	NJC	1

Project Name MOSS AMERICAN **Invoice #** E38167
Project # 18687-102

Lab Code 538167LL
Sample ID TG6-3
Sample Matrix Water
Sample Date 7/10/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.33	ug/l	0.33	1	1	8260B		7/16/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		7/16/2020	CJR	1
Toluene	< 0.26	ug/l	0.26	0.83	1	8260B		7/16/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		7/16/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		7/16/2020	CJR	1
PAH SIM										
Acenaphthene	< 0.0094	ug/l	0.0094	0.03	1	M8270C	7/17/2020	7/18/2020	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	7/17/2020	7/18/2020	NJC	1
Anthracene	0.0211 "J"	ug/l	0.015	0.0478	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	7/17/2020	7/18/2020	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	7/17/2020	7/18/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	7/17/2020	7/18/2020	NJC	1
Fluoranthene	0.0117 "J"	ug/l	0.0088	0.0281	1	M8270C	7/17/2020	7/18/2020	NJC	1
Fluorene	< 0.0079	ug/l	0.0079	0.0251	1	M8270C	7/17/2020	7/18/2020	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	7/17/2020	7/18/2020	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	7/17/2020	7/18/2020	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	7/17/2020	7/18/2020	NJC	1
Naphthalene	< 0.03	ug/l	0.03	0.1	1	M8270C	7/17/2020	7/18/2020	NJC	1
Phenanthrene	< 0.0143	ug/l	0.0143	0.0456	1	M8270C	7/17/2020	7/18/2020	NJC	1
Pyrene	0.0144 "J"	ug/l	0.0121	0.0386	1	M8270C	7/17/2020	7/18/2020	NJC	1

Project Name MOSS AMERICAN **Invoice #** E38167
Project # 18687-102

Lab Code 538167MM
Sample ID DUP#3
Sample Matrix Water
Sample Date 7/10/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.33	ug/l	0.33	1	1	8260B		7/16/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		7/16/2020	CJR	1
Toluene	< 0.26	ug/l	0.26	0.83	1	8260B		7/16/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		7/16/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		7/16/2020	CJR	1
PAH SIM										
Acenaphthene	0.0122 "J"	ug/l	0.0094	0.03	1	M8270C	7/17/2020	7/18/2020	NJC	1
Acenaphthylene	0.052	ug/l	0.0156	0.0495	1	M8270C	7/17/2020	7/18/2020	NJC	1
Anthracene	0.146	ug/l	0.015	0.0478	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(a)anthracene	0.0264 "J"	ug/l	0.02	0.067	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(a)pyrene	0.04 "J"	ug/l	0.0167	0.0531	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(b)fluoranthene	0.057	ug/l	0.016	0.0509	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(g,h,i)perylene	0.065	ug/l	0.0142	0.0451	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(k)fluoranthene	0.0229 "J"	ug/l	0.0146	0.0463	1	M8270C	7/17/2020	7/18/2020	NJC	1
Chrysene	0.032 "J"	ug/l	0.0157	0.0499	1	M8270C	7/17/2020	7/18/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	7/17/2020	7/18/2020	NJC	1
Fluoranthene	0.039	ug/l	0.0088	0.0281	1	M8270C	7/17/2020	7/18/2020	NJC	1
Fluorene	0.0149 "J"	ug/l	0.0079	0.0251	1	M8270C	7/17/2020	7/18/2020	NJC	1
Indeno(1,2,3-cd)pyrene	0.041	ug/l	0.0121	0.0385	1	M8270C	7/17/2020	7/18/2020	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	7/17/2020	7/18/2020	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	7/17/2020	7/18/2020	NJC	1
Naphthalene	< 0.03	ug/l	0.03	0.1	1	M8270C	7/17/2020	7/18/2020	NJC	1
Phenanthrene	0.0223 "J"	ug/l	0.0143	0.0456	1	M8270C	7/17/2020	7/18/2020	NJC	1
Pyrene	0.049	ug/l	0.0121	0.0386	1	M8270C	7/17/2020	7/18/2020	NJC	1

Lab Code 538167NN
Sample ID EQUIP BLANK
Sample Matrix Water
Sample Date 7/10/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.33	ug/l	0.33	1	1	8260B		7/15/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		7/15/2020	CJR	1
Toluene	< 0.26	ug/l	0.26	0.83	1	8260B		7/15/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		7/15/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		7/15/2020	CJR	1

Project Name MOSS AMERICAN **Invoice #** E38167
Project # 18687-102

Lab Code 538167OO
Sample ID TRIP BLANK
Sample Matrix Water
Sample Date 7/10/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.33	ug/l	0.33	1	1	8260B		7/15/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		7/15/2020	CJR	1
Toluene	< 0.26	ug/l	0.26	0.83	1	8260B		7/15/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		7/15/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		7/15/2020	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.
7	The LCS not within established limits.

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

Authorized Signature

CHAIN OF CUSTODY RECORD

Synergy Environmental Lab, Inc.

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Chain # No 40112

Page 1 of 4

Sample Handling Request

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

Lab I.D. #	
QUOTE # :	8401
Project #:	18687-102
Sampler: (signature)	Andrea S. Lorenz
Project (Name / Location):	MOSS AMERICAN Milwaukee WI
Reports To:	Andrea Lorenz
Company	The Sigma Group
Address	1300 W. Canal St.
City State Zip	Milwaukee WI 53233
Phone	414-643-4131
Email	alorenz@thesigmagroup.com
Invoice To:	
Company	
Address	Same
City State Zip	
Phone	
Email	alorenz@thesigmagroup.com

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
5038167 A	MW-5S	7-7	11:15	N	4	GW	HCl						X									X	X	
B	MW-7S	7-7	9:40	N	4	GW	HCl						X									X	X	
C	MW-7S-WR	7-7	9:30	N	4	GW	HCl						X									X	X	
D	MW-30S	7-7	11:35	N	4	GW	HCl						X									X	X	
E	MW-32SR	7-7	9:00	N	6	GW	HCl						X									X	X	
F	MW-33S	7-7	9:20	N	4	GW	HCl						X									X	X	
G	MW-34SR	7-7	9:45	N	4	GW	HCl						X									X	X	
H	MW-39S	7-7	10:30	N	4	GW	HCl						X									X	X	
I	DUP #1	7-7	—	N	4	GW	HCl						X									X	X	
J	PZ-02	7-8	10:00	N	4	GW	HCl						X									X	X	
K	PZ-09R	7-8	11:00	N	4	GW	HCl						X									X	X	
L	PZ-10	7-8	14:00	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: Car

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
Andrea Slorz	11:45	7/10/20			

Received in Laboratory By: [signature] Time: 10:00 Date: 7/11/20

CHAIN OF CUSTODY RECORD

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Chain # No 40113
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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 #: 18687-102
Sampler: (signature) AndreaS Lorenz

Project (Name / Location): Moss American Milwaukee WI

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

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
5038167 M	MW-38S	7-8	9:15	N	4	GW	HCl						X										X	
N	TG1-1R	7-8	10:25	N	4	GW	HCl						X										X	
O	TG1-2	7-8	10:15	N	4	GW	HCl						X										X	
P	TG1-3	7-8	10:40	N	4	GW	HCl						X										X	
Q	TG2-1	7-8	11:00	N	4	GW	HCl						X										X	
R	TG2-2	7-8	11:15	N	4	GW	HCl						X										X	
S	TG2-3	7-8	11:20	N	4	GW	HCl						X										X	
T	DUP #2	7-8	—	N	4	GW	HCl						X										X	
U	MW-31SR	7-9	10:45	N	4	GW	HCl						X										X	
V	MW-35S	7-9	10:15	N	4	GW	HCl						X										X	
W	TG3-1	7-9	9:40	N	4	GW	HCl						X										X	
X	TG3-2	7-9	9:40	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: GC
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
AndreaS Lorenz	11:45	7/10/20			

Received in Laboratory By: [signature] Time: 10:00 Date: 7/11/20

CHAIN OF CUSTODY RECORD

Synergy Environmental Lab, Inc.

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Chain # No 40114

Sample Handling Request

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

Lab I.D. #

QUOTE #: 8401

Project #: 18687-102

Sampler: (signature) Andrea Slocz

Project (Name / Location): MOSS AMERICAN Milwaukee WI

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

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
503016 7Y	TG 3-3	7-9	10:00	N	4	GW	HCl						X										X						
Z	TG 4-1	7-9	10:07	N	4	GW	HCl						X										X						
AA	TG 4-2	7-9	10:26	N	4	GW	HCl						X										X						
BB	TG 4-3	7-9	10:56	N	4	GW	HCl						X										X						
CC	PZ-01	7-10	9:50	N	4	GW	HCl						X										X						
DD	PZ-05	7-10	9:45	N	4	GW	HCl						X										X						
EE	PZ-06	7-10	10:00	N	4	GW	HCl						X										X						
FF	MW-37S	7-10	10:30	N	4	GW	HCl						X										X						
GG	TG 5-1	7-10	8:45	N	4	GW	HCl						X										X						
HH	TG 5-2	7-10	9:00	N	4	GW	HCl						X										X						
II	TG 5-3	7-10	9:30	N	4	GW	HCl						X										X						
JJ	TG 6-1	7-10	9:00	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: GC

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
Andrea S Lorenz	11:45	7-10-20			

Received in Laboratory By: _____ Time: 10:00 Date: 7/11/20

CHAIN OF CUSTODY RECORD

Synergy Environmental Lab, Inc.

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Chain # No 40115
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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 #: 18687-102
Sampler: (signature) Andrea Lor

Project (Name / Location): Moss American Milwaukee WF

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

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
538167 KK	TG 6-2	7-10	9:15	N	4	GW	HCl						X									X	X						
LL	TG 6-3	7-10	9:30	N	4	GW	HCl						X									X	X						
MM	DUP #3	7-10	—	N	4	GW	HCl						X									X	X						
NN	EQUIP BLANK #1	7-10	—	N	2	—	HCl															X	X						
OO	TRIP BLANK #1	7-10	—	~~N~~	1	—	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: GC
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
Andrea Slovey	11:45	7/10/20			

Received in Laboratory By: _____ Time: 1000 Date: 7/11/20

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 *23-Jul-20*

Project Name MOSS AMERICAN FACILITY **Invoice #** E38180
Project # 18687

Lab Code 5038180A
Sample ID MW-9S
Sample Matrix Water
Sample Date 7/14/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.33	ug/l	0.33	1	1	8260B		7/17/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		7/17/2020	CJR	1
Toluene	< 0.26	ug/l	0.26	0.83	1	8260B		7/17/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		7/17/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		7/17/2020	CJR	1
PAH SIM										
Acenaphthene	< 0.0094	ug/l	0.0094	0.03	1	M8270C	7/17/2020	7/18/2020	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	7/17/2020	7/18/2020	NJC	1
Anthracene	0.03 "J"	ug/l	0.015	0.0478	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(a)anthracene	0.0242 "J"	ug/l	0.02	0.067	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(a)pyrene	0.0194 "J"	ug/l	0.0167	0.0531	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(b)fluoranthene	0.0273 "J"	ug/l	0.016	0.0509	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(k)fluoranthene	0.0284 "J"	ug/l	0.0146	0.0463	1	M8270C	7/17/2020	7/18/2020	NJC	1
Chrysene	0.0243 "J"	ug/l	0.0157	0.0499	1	M8270C	7/17/2020	7/18/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	7/17/2020	7/18/2020	NJC	1
Fluoranthene	< 0.0088	ug/l	0.0088	0.0281	1	M8270C	7/17/2020	7/18/2020	NJC	1
Fluorene	< 0.0079	ug/l	0.0079	0.0251	1	M8270C	7/17/2020	7/18/2020	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	7/17/2020	7/18/2020	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	7/17/2020	7/18/2020	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	7/17/2020	7/18/2020	NJC	1
Naphthalene	< 0.03	ug/l	0.03	0.1	1	M8270C	7/17/2020	7/18/2020	NJC	1
Phenanthrene	< 0.0143	ug/l	0.0143	0.0456	1	M8270C	7/17/2020	7/18/2020	NJC	1
Pyrene	< 0.0121	ug/l	0.0121	0.0386	1	M8270C	7/17/2020	7/18/2020	NJC	1

Project Name MOSS AMERICAN FACILITY **Invoice #** E38180
Project # 18687

Lab Code 5038180B
Sample ID PZ-03
Sample Matrix Water
Sample Date 7/14/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	1.33	ug/l	0.33	1	1	8260B		7/17/2020	CJR	1
Ethylbenzene	42	ug/l	0.32	1	1	8260B		7/17/2020	CJR	1
Toluene	1.2	ug/l	0.26	0.83	1	8260B		7/17/2020	CJR	1
m&p-Xylene	36	ug/l	1.1	3.3	1	8260B		7/17/2020	CJR	1
o-Xylene	20.5	ug/l	0.38	1.2	1	8260B		7/17/2020	CJR	1
PAH SIM										
Acenaphthene	291	ug/l	9.4	30	1000	M8270C	7/17/2020	7/20/2020	NJC	1
Acenaphthylene	< 15.6	ug/l	15.6	49.5	1000	M8270C	7/17/2020	7/20/2020	NJC	1
Anthracene	< 15.0	ug/l	15	47.8	1000	M8270C	7/17/2020	7/20/2020	NJC	1
Benzo(a)anthracene	< 20.0	ug/l	20	67	1000	M8270C	7/17/2020	7/20/2020	NJC	1
Benzo(a)pyrene	< 16.7	ug/l	16.7	53.1	1000	M8270C	7/17/2020	7/20/2020	NJC	1
Benzo(b)fluoranthene	< 16.0	ug/l	16	50.9	1000	M8270C	7/17/2020	7/20/2020	NJC	1
Benzo(g,h,i)perylene	< 14.2	ug/l	14.2	45.1	1000	M8270C	7/17/2020	7/20/2020	NJC	1
Benzo(k)fluoranthene	< 14.6	ug/l	14.6	46.3	1000	M8270C	7/17/2020	7/20/2020	NJC	1
Chrysene	< 15.7	ug/l	15.7	49.9	1000	M8270C	7/17/2020	7/20/2020	NJC	1
Dibenzo(a,h)anthracene	< 17.3	ug/l	17.3	54.9	1000	M8270C	7/17/2020	7/20/2020	NJC	1
Fluoranthene	< 8.80	ug/l	8.8	28.1	1000	M8270C	7/17/2020	7/20/2020	NJC	1
Fluorene	121	ug/l	7.9	25.1	1000	M8270C	7/17/2020	7/20/2020	NJC	1
Indeno(1,2,3-cd)pyrene	< 12.1	ug/l	12.1	38.5	1000	M8270C	7/17/2020	7/20/2020	NJC	1
1-Methyl naphthalene	223	ug/l	19.1	60.9	1000	M8270C	7/17/2020	7/20/2020	NJC	1
2-Methyl naphthalene	203	ug/l	18.6	59	1000	M8270C	7/17/2020	7/20/2020	NJC	1
Naphthalene	3010	ug/l	30	100	1000	M8270C	7/17/2020	7/20/2020	NJC	1
Phenanthrene	43.0 "J"	ug/l	14.3	45.6	1000	M8270C	7/17/2020	7/20/2020	NJC	1
Pyrene	< 12.1	ug/l	12.1	38.6	1000	M8270C	7/17/2020	7/20/2020	NJC	1

Project Name MOSS AMERICAN FACILITY **Invoice #** E38180
Project # 18687

Lab Code 5038180C
Sample ID PZ-04
Sample Matrix Water
Sample Date 7/14/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.33	ug/l	0.33	1	1	8260B		7/17/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		7/17/2020	CJR	1
Toluene	< 0.26	ug/l	0.26	0.83	1	8260B		7/17/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		7/17/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		7/17/2020	CJR	1
PAH SIM										
Acenaphthene	< 0.0094	ug/l	0.0094	0.03	1	M8270C	7/17/2020	7/18/2020	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	7/17/2020	7/18/2020	NJC	1
Anthracene	0.0165 "J"	ug/l	0.015	0.0478	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	7/17/2020	7/18/2020	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	7/17/2020	7/18/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	7/17/2020	7/18/2020	NJC	1
Fluoranthene	0.009 "J"	ug/l	0.0088	0.0281	1	M8270C	7/17/2020	7/18/2020	NJC	1
Fluorene	0.0139 "J"	ug/l	0.0079	0.0251	1	M8270C	7/17/2020	7/18/2020	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	7/17/2020	7/18/2020	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	7/17/2020	7/18/2020	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	7/17/2020	7/18/2020	NJC	1
Naphthalene	0.035 "J"	ug/l	0.03	0.1	1	M8270C	7/17/2020	7/18/2020	NJC	1
Phenanthrene	0.0172 "J"	ug/l	0.0143	0.0456	1	M8270C	7/17/2020	7/18/2020	NJC	1
Pyrene	< 0.0121	ug/l	0.0121	0.0386	1	M8270C	7/17/2020	7/18/2020	NJC	1

Project Name MOSS AMERICAN FACILITY **Invoice #** E38180
Project # 18687

Lab Code 5038180D
Sample ID MW-A
Sample Matrix Water
Sample Date 7/14/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.33	ug/l	0.33	1	1	8260B		7/17/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		7/17/2020	CJR	1
Toluene	< 0.26	ug/l	0.26	0.83	1	8260B		7/17/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		7/17/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		7/17/2020	CJR	1
PAH SIM										
Acenaphthene	< 0.0094	ug/l	0.0094	0.03	1	M8270C	7/17/2020	7/18/2020	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	7/17/2020	7/18/2020	NJC	1
Anthracene	0.032 "J"	ug/l	0.015	0.0478	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	7/17/2020	7/18/2020	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	7/17/2020	7/18/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	7/17/2020	7/18/2020	NJC	1
Fluoranthene	< 0.0088	ug/l	0.0088	0.0281	1	M8270C	7/17/2020	7/18/2020	NJC	1
Fluorene	0.0127 "J"	ug/l	0.0079	0.0251	1	M8270C	7/17/2020	7/18/2020	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	7/17/2020	7/18/2020	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	7/17/2020	7/18/2020	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	7/17/2020	7/18/2020	NJC	1
Naphthalene	0.068 "J"	ug/l	0.03	0.1	1	M8270C	7/17/2020	7/18/2020	NJC	1
Phenanthrene	0.032 "J"	ug/l	0.0143	0.0456	1	M8270C	7/17/2020	7/18/2020	NJC	1
Pyrene	< 0.0121	ug/l	0.0121	0.0386	1	M8270C	7/17/2020	7/18/2020	NJC	1

Project Name MOSS AMERICAN FACILITY **Invoice #** E38180
Project # 18687

Lab Code 5038180E
Sample ID MW-B
Sample Matrix Water
Sample Date 7/15/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.33	ug/l	0.33	1	1	8260B		7/17/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		7/17/2020	CJR	1
Toluene	< 0.26	ug/l	0.26	0.83	1	8260B		7/17/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		7/17/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		7/17/2020	CJR	1
PAH SIM										
Acenaphthene	< 0.0094	ug/l	0.0094	0.03	1	M8270C	7/17/2020	7/18/2020	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	7/17/2020	7/18/2020	NJC	1
Anthracene	0.0224 "J"	ug/l	0.015	0.0478	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(a)pyrene	0.0193 "J"	ug/l	0.0167	0.0531	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(b)fluoranthene	0.0213 "J"	ug/l	0.016	0.0509	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(k)fluoranthene	0.0191 "J"	ug/l	0.0146	0.0463	1	M8270C	7/17/2020	7/18/2020	NJC	1
Chrysene	0.02 "J"	ug/l	0.0157	0.0499	1	M8270C	7/17/2020	7/18/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	7/17/2020	7/18/2020	NJC	1
Fluoranthene	0.01 "J"	ug/l	0.0088	0.0281	1	M8270C	7/17/2020	7/18/2020	NJC	1
Fluorene	0.0081 "J"	ug/l	0.0079	0.0251	1	M8270C	7/17/2020	7/18/2020	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	7/17/2020	7/18/2020	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	7/17/2020	7/18/2020	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	7/17/2020	7/18/2020	NJC	1
Naphthalene	0.052 "J"	ug/l	0.03	0.1	1	M8270C	7/17/2020	7/18/2020	NJC	1
Phenanthrene	0.0238 "J"	ug/l	0.0143	0.0456	1	M8270C	7/17/2020	7/18/2020	NJC	1
Pyrene	< 0.0121	ug/l	0.0121	0.0386	1	M8270C	7/17/2020	7/18/2020	NJC	1

Project Name MOSS AMERICAN FACILITY **Invoice #** E38180
Project # 18687

Lab Code 5038180F
Sample ID MW-E
Sample Matrix Water
Sample Date 7/15/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.33	ug/l	0.33	1	1	8260B		7/17/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		7/17/2020	CJR	1
Toluene	< 0.26	ug/l	0.26	0.83	1	8260B		7/17/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		7/17/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		7/17/2020	CJR	1
PAH SIM										
Acenaphthene	< 0.0094	ug/l	0.0094	0.03	1	M8270C	7/17/2020	7/18/2020	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	7/17/2020	7/18/2020	NJC	1
Anthracene	< 0.015	ug/l	0.015	0.0478	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(a)pyrene	0.0189 "J"	ug/l	0.0167	0.0531	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(b)fluoranthene	0.0192 "J"	ug/l	0.016	0.0509	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(k)fluoranthene	0.0207 "J"	ug/l	0.0146	0.0463	1	M8270C	7/17/2020	7/18/2020	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	7/17/2020	7/18/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	7/17/2020	7/18/2020	NJC	1
Fluoranthene	< 0.0088	ug/l	0.0088	0.0281	1	M8270C	7/17/2020	7/18/2020	NJC	1
Fluorene	< 0.0079	ug/l	0.0079	0.0251	1	M8270C	7/17/2020	7/18/2020	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	7/17/2020	7/18/2020	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	7/17/2020	7/18/2020	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	7/17/2020	7/18/2020	NJC	1
Naphthalene	0.046 "J"	ug/l	0.03	0.1	1	M8270C	7/17/2020	7/18/2020	NJC	1
Phenanthrene	0.0146 "J"	ug/l	0.0143	0.0456	1	M8270C	7/17/2020	7/18/2020	NJC	1
Pyrene	< 0.0121	ug/l	0.0121	0.0386	1	M8270C	7/17/2020	7/18/2020	NJC	1

Project Name MOSS AMERICAN FACILITY **Invoice #** E38180
Project # 18687

Lab Code 5038180G
Sample ID MW-F
Sample Matrix Water
Sample Date 7/15/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.33	ug/l	0.33	1	1	8260B		7/17/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		7/17/2020	CJR	1
Toluene	< 0.26	ug/l	0.26	0.83	1	8260B		7/17/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		7/17/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		7/17/2020	CJR	1
PAH SIM										
Acenaphthene	0.03	ug/l	0.0094	0.03	1	M8270C	7/17/2020	7/18/2020	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	7/17/2020	7/18/2020	NJC	1
Anthracene	< 0.015	ug/l	0.015	0.0478	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	7/17/2020	7/18/2020	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	7/17/2020	7/18/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	7/17/2020	7/18/2020	NJC	1
Fluoranthene	< 0.0088	ug/l	0.0088	0.0281	1	M8270C	7/17/2020	7/18/2020	NJC	1
Fluorene	0.0101 "J"	ug/l	0.0079	0.0251	1	M8270C	7/17/2020	7/18/2020	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	7/17/2020	7/18/2020	NJC	1
1-Methyl naphthalene	0.036 "J"	ug/l	0.0191	0.0609	1	M8270C	7/17/2020	7/18/2020	NJC	1
2-Methyl naphthalene	0.037 "J"	ug/l	0.0186	0.059	1	M8270C	7/17/2020	7/18/2020	NJC	1
Naphthalene	0.75	ug/l	0.03	0.1	1	M8270C	7/17/2020	7/18/2020	NJC	1
Phenanthrene	< 0.0143	ug/l	0.0143	0.0456	1	M8270C	7/17/2020	7/18/2020	NJC	1
Pyrene	< 0.0121	ug/l	0.0121	0.0386	1	M8270C	7/17/2020	7/18/2020	NJC	1

Project Name MOSS AMERICAN FACILITY **Invoice #** E38180
Project # 18687

Lab Code 5038180H
Sample ID MW-H
Sample Matrix Water
Sample Date 7/14/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.33	ug/l	0.33	1	1	8260B		7/17/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		7/17/2020	CJR	1
Toluene	< 0.26	ug/l	0.26	0.83	1	8260B		7/17/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		7/17/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		7/17/2020	CJR	1
PAH SIM										
Acenaphthene	0.0216 "J"	ug/l	0.0094	0.03	1	M8270C	7/17/2020	7/18/2020	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	7/17/2020	7/18/2020	NJC	1
Anthracene	< 0.015	ug/l	0.015	0.0478	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	7/17/2020	7/18/2020	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	7/17/2020	7/18/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	7/17/2020	7/18/2020	NJC	1
Fluoranthene	0.0157 "J"	ug/l	0.0088	0.0281	1	M8270C	7/17/2020	7/18/2020	NJC	1
Fluorene	< 0.0079	ug/l	0.0079	0.0251	1	M8270C	7/17/2020	7/18/2020	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	7/17/2020	7/18/2020	NJC	1
1-Methyl naphthalene	0.0211 "J"	ug/l	0.0191	0.0609	1	M8270C	7/17/2020	7/18/2020	NJC	1
2-Methyl naphthalene	0.0242 "J"	ug/l	0.0186	0.059	1	M8270C	7/17/2020	7/18/2020	NJC	1
Naphthalene	0.49	ug/l	0.03	0.1	1	M8270C	7/17/2020	7/18/2020	NJC	1
Phenanthrene	< 0.0143	ug/l	0.0143	0.0456	1	M8270C	7/17/2020	7/18/2020	NJC	1
Pyrene	< 0.0121	ug/l	0.0121	0.0386	1	M8270C	7/17/2020	7/18/2020	NJC	1

Project Name MOSS AMERICAN FACILITY **Invoice #** E38180
Project # 18687

Lab Code 5038180I
Sample ID MW-J
Sample Matrix Water
Sample Date 7/14/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.33	ug/l	0.33	1	1	8260B		7/21/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		7/21/2020	CJR	1
Toluene	< 0.26	ug/l	0.26	0.83	1	8260B		7/21/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		7/21/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		7/21/2020	CJR	1
PAH SIM										
Acenaphthene	0.0167 "J"	ug/l	0.0094	0.03	1	M8270C	7/17/2020	7/18/2020	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	7/17/2020	7/18/2020	NJC	1
Anthracene	< 0.015	ug/l	0.015	0.0478	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(k)fluoranthene	0.0155 "J"	ug/l	0.0146	0.0463	1	M8270C	7/17/2020	7/18/2020	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	7/17/2020	7/18/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	7/17/2020	7/18/2020	NJC	1
Fluoranthene	< 0.0088	ug/l	0.0088	0.0281	1	M8270C	7/17/2020	7/18/2020	NJC	1
Fluorene	0.0081 "J"	ug/l	0.0079	0.0251	1	M8270C	7/17/2020	7/18/2020	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	7/17/2020	7/18/2020	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	7/17/2020	7/18/2020	NJC	1
2-Methyl naphthalene	0.0258 "J"	ug/l	0.0186	0.059	1	M8270C	7/17/2020	7/18/2020	NJC	1
Naphthalene	0.34	ug/l	0.03	0.1	1	M8270C	7/17/2020	7/18/2020	NJC	1
Phenanthrene	< 0.0143	ug/l	0.0143	0.0456	1	M8270C	7/17/2020	7/18/2020	NJC	1
Pyrene	< 0.0121	ug/l	0.0121	0.0386	1	M8270C	7/17/2020	7/18/2020	NJC	1

Project Name MOSS AMERICAN FACILITY **Invoice #** E38180
Project # 18687

Lab Code 5038180J
Sample ID DUP #4
Sample Matrix Water
Sample Date 7/14/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	1.14	ug/l	0.33	1	1	8260B		7/21/2020	CJR	1
Ethylbenzene	37	ug/l	0.32	1	1	8260B		7/21/2020	CJR	1
Toluene	1.27	ug/l	0.26	0.83	1	8260B		7/21/2020	CJR	1
m&p-Xylene	30.5	ug/l	1.1	3.3	1	8260B		7/21/2020	CJR	1
o-Xylene	18.4	ug/l	0.38	1.2	1	8260B		7/21/2020	CJR	1
PAH SIM										
Acenaphthene	320	ug/l	4.7	15	500	M8270C	7/17/2020	7/20/2020	NJC	1
Acenaphthylene	< 7.80	ug/l	7.8	24.75	500	M8270C	7/17/2020	7/20/2020	NJC	1
Anthracene	< 7.50	ug/l	7.5	23.9	500	M8270C	7/17/2020	7/20/2020	NJC	1
Benzo(a)anthracene	< 10.0	ug/l	10	33.5	500	M8270C	7/17/2020	7/20/2020	NJC	1
Benzo(a)pyrene	< 8.35	ug/l	8.35	26.55	500	M8270C	7/17/2020	7/20/2020	NJC	1
Benzo(b)fluoranthene	< 8.00	ug/l	8	25.45	500	M8270C	7/17/2020	7/20/2020	NJC	1
Benzo(g,h,i)perylene	< 7.10	ug/l	7.1	22.55	500	M8270C	7/17/2020	7/20/2020	NJC	1
Benzo(k)fluoranthene	< 7.30	ug/l	7.3	23.15	500	M8270C	7/17/2020	7/20/2020	NJC	1
Chrysene	< 7.85	ug/l	7.85	24.95	500	M8270C	7/17/2020	7/20/2020	NJC	1
Dibenzo(a,h)anthracene	< 8.65	ug/l	8.65	27.45	500	M8270C	7/17/2020	7/20/2020	NJC	1
Fluoranthene	< 4.40	ug/l	4.4	14.05	500	M8270C	7/17/2020	7/20/2020	NJC	1
Fluorene	116	ug/l	3.95	12.55	500	M8270C	7/17/2020	7/20/2020	NJC	1
Indeno(1,2,3-cd)pyrene	< 6.05	ug/l	6.05	19.25	500	M8270C	7/17/2020	7/20/2020	NJC	1
1-Methyl naphthalene	221	ug/l	9.55	30.45	500	M8270C	7/17/2020	7/20/2020	NJC	1
2-Methyl naphthalene	144	ug/l	9.3	29.5	500	M8270C	7/17/2020	7/20/2020	NJC	1
Naphthalene	3150	ug/l	15	50	500	M8270C	7/17/2020	7/20/2020	NJC	1
Phenanthrene	44.0	ug/l	7.15	22.8	500	M8270C	7/17/2020	7/20/2020	NJC	1
Pyrene	< 6.05	ug/l	6.05	19.3	500	M8270C	7/17/2020	7/20/2020	NJC	1

Project Name MOSS AMERICAN FACILITY **Invoice #** E38180
Project # 18687

Lab Code 5038180K
Sample ID DUP #5
Sample Matrix Water
Sample Date 7/14/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.33	ug/l	0.33	1	1	8260B		7/21/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		7/21/2020	CJR	1
Toluene	< 0.26	ug/l	0.26	0.83	1	8260B		7/21/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		7/21/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		7/21/2020	CJR	1
PAH SIM										
Acenaphthene	0.285	ug/l	0.0094	0.03	1	M8270C	7/17/2020	7/18/2020	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	7/17/2020	7/18/2020	NJC	1
Anthracene	0.0208 "J"	ug/l	0.015	0.0478	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	7/17/2020	7/18/2020	NJC	1
Benzo(k)fluoranthene	0.0177 "J"	ug/l	0.0146	0.0463	1	M8270C	7/17/2020	7/18/2020	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	7/17/2020	7/18/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	7/17/2020	7/18/2020	NJC	1
Fluoranthene	< 0.0088	ug/l	0.0088	0.0281	1	M8270C	7/17/2020	7/18/2020	NJC	1
Fluorene	0.108	ug/l	0.0079	0.0251	1	M8270C	7/17/2020	7/18/2020	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	7/17/2020	7/18/2020	NJC	1
1-Methyl naphthalene	0.257	ug/l	0.0191	0.0609	1	M8270C	7/17/2020	7/18/2020	NJC	1
2-Methyl naphthalene	0.222	ug/l	0.0186	0.059	1	M8270C	7/17/2020	7/18/2020	NJC	1
Naphthalene	4.70	ug/l	0.03	0.1	1	M8270C	7/17/2020	7/18/2020	NJC	1
Phenanthrene	0.04 "J"	ug/l	0.0143	0.0456	1	M8270C	7/17/2020	7/18/2020	NJC	1
Pyrene	< 0.0121	ug/l	0.0121	0.0386	1	M8270C	7/17/2020	7/18/2020	NJC	1

Lab Code 5038180L
Sample ID TRIP BLANK #3
Sample Matrix Water
Sample Date 7/14/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.33	ug/l	0.33	1	1	8260B		7/21/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		7/21/2020	CJR	1
Toluene	< 0.26	ug/l	0.26	0.83	1	8260B		7/21/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		7/21/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		7/21/2020	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.

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.

www.synergy-lab.net
1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • mrsynergy@wi.twcbc.com

Chain # No 40116
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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 #: ~~Std~~ 8401
Project #: 18687
Sampler: (signature)

Project (Name / Location): Moss American Facility / 8716 N. Granville Rd, Milwaukee, WI

Reports To: Andrea Lorenz	Invoice To:
Company The Sigma Group, Inc.	Company
Address 1300 W Canal St.	Address SAME
City State Zip Mi WI	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	BETX							PID/ FID
503880 A	MW-9S	7/14/20	8:51	N	4	GW	HCl/none						X									X	X							
B	PZ-03	7/14/20	9:46										X									X	X							
C	PZ-04	7/14/20	15:00										X									X	X							
D	MW-A	7/14/20	9:45										X									X	X							
E	MW-B	7/15/20	10:00										X									X	X							
F	MW-E	7/15/20	9:30										X									X	X							
G	MW-F	7/15/20	9:01										X									X	X							
H	MW-H	7/14/20	11:30										X									X	X							
I	MW-J	7/14/20	10:47										X									X	X							
J	DUP #4	7/14/20	—										X									X	X							
K	DUP #5	7/14/20	—										X									X	X							
L	Trip Blank #3	—	—																				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: GC
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
	11:58	7/15/20			

Received in Laboratory By: Christopher J. Rose Time: 8:00 Date: 7/16/20