

February 20, 2020

Project Reference #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 (January 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 report is the second 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 and the previous 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 monitoring well installation (soil), and groundwater sampling activities (well development and purge water) completed in September and October 2019 are included in **Attachment 1**. The investigative waste was picked up by Veolia ES Technical Solutions, LLC (Veolia) on November 15, 2019. The investigative waste manifest resulting from groundwater sampling activities completed in December 2019 and January 2020 is included in **Attachment 2**. The investigative waste was picked up by Veolia on January 31, 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, though beginning in 2013, all 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. All groundwater monitoring wells were inspected in December 2019 and January 2020 and

the condition of each is presented in **Table 1**. A total of 46 groundwater monitoring wells are in good condition and were sampled.

Two monitoring wells (MW-9S and TG6-3) contain a slight obstruction: the probe of the multiparameter meter does not penetrate past 10 and 10.5 feet below top of casing, respectively. However, a bailer penetrates the full depth of the well. Monitoring wells MW-9S and TG6-3 were both sampled. Two monitoring wells (MW-7S and MW-38S) contain a bent well casing; however, both monitoring wells were sampled. One shallow groundwater monitoring well (MW-27S) and one piezometer (PZ-07) remain obstructed (at approximately four feet below top of casing) and cannot be repaired. Due to the obstruction, these two monitoring wells could not be sampled and require replacement.

Five monitoring wells (MW-B, MW-E, MW-F, MW-H, and MW-J) located along the Little Menomonee River were not submerged during this round and were sampled. In the previous sampling round, these wells were under water due to high river levels and could not be sampled. However, even with seasonal low water levels, it appears that three or more groundwater monitoring wells along the river are typically submerged. Five of the eleven river reach wells were not 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). Please note that monitoring well MW-A was sampled during both sampling rounds.

GROUNDWATER SAMPLING ACTIVITIES

All accessible groundwater monitoring wells in good condition were sampled between December 30, 2019 and January 10, 2020. Samples were obtained from 46 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 6 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 January 31, 2020 for disposal as hazardous waste. Manifests are included in **Attachment 2**.

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Groundwater Elevation Measurements

Groundwater elevation measurements are consistent with previous results, generally within one-half foot of previous measurements, with the exception of the two monitoring wells MW-7S-WR and PZ-02. These two sample locations are adjacent to the creek at the north side of the main property and water levels decreased (1.7 and 1.8 feet, respectively) compared to October 2019 measurements, due to drop in river level from fall to winter. As recorded in previous site documents, groundwater flow is 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 decrease in temperature). Turbidity measurements are generally more consistent throughout the site after following the October 2019 Quarterly Report recommendation to sample 24 hours after purging. Two sample locations (MW-32SR and MW-F) contained measurements too high for a measurement using the turbidimeter. One sample location (MW-34S-N) contained a high turbidity measurement and is likely due to poor recovery as noted during purging. Oxidation-reduction potential is consistent with results from fall 2019.

Groundwater Analytical Results

Groundwater samples from 46 groundwater monitoring wells were submitted to the laboratory for analysis of BTEX and PAHs. Laboratory reports are presented in **Attachment 3**, 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 46 groundwater monitoring wells sampled in this sampling round, 44 groundwater monitoring wells reported results less than the limit of detection for BTEX. The piezometer PZ-02 reported a concentration of total xylenes between the limit of quantitation and limit of detection, and less than both PALs and ESs; and reported concentrations of benzene, ethylbenzene, and toluene less than the limit of detection. Only one sampling location, the piezometer PZ-03, reported detectable concentrations of benzene, toluene, ethylbenzene, and total xylenes. Reported concentrations of ethylbenzene, toluene, and total xylenes for piezometer PZ-03 were less than both PALs and ESs. The reported concentration of benzene (1.45 µg/L) for piezometer PZ-03 is greater than both PALs and the EPA ROD ES, but less than the NR 140 ES. This result is less than the reported concentration of benzene within piezometer PZ-03 for the October sampling round (2.02 µg/L).

Summary of PAH Results

Of the 46 groundwater monitoring wells sampled in this sampling round, 28 groundwater monitoring wells reported results less than NR 140 PALs for PAHs. At the remaining 18 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

Eleven groundwater monitoring wells reported concentrations of benzo(a)pyrene greater than the NR 140 PAL and/or ES, generally in an area centrally located within the source property.

- Groundwater monitoring wells MW-32-SR, MW-35S, MW-37S, TG4-1, TG4-2, TG4-3, TG5-3, and TG6-1 reported concentrations of benzo(a)pyrene greater than the NR 140 PAL, but between the limit of quantitation and the limit of detection.
- Groundwater monitoring wells TG2-2 and TG5-2 reported concentrations of benzo(a)pyrene greater than the NR 140 PAL but less than the NR 140 ES.
- Groundwater monitoring well PZ-09R reported concentrations of benzo(a)pyrene greater than the NR 140 ES.

Benzo(b)fluoranthene

Sixteen groundwater monitoring wells reported concentrations of benzo(b)fluoranthene greater than the NR 140 PAL and/or ES, generally in an area centrally located within the source property, with one sample point (MW-30S) at the west end of the source property, and one "river reach" sample point (MW-H).

- Groundwater monitoring wells MW-30S, MW-32SR, MW-33S, MW-35S, MW-37S, TG3-2, TG3-3, TG4-1, TG4-2, TG4-3, TG6-1, and MW-H 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 wells TG2-2, TG5-2, and TG5-3 reported concentrations of benzo(b)fluoranthene greater than the NR 140 PAL but less than the NR 140 ES.
- Groundwater monitoring well PZ-09R reported concentrations of benzo(b)fluoranthene greater than the NR 140 ES.

Chrysene

Thirteen groundwater monitoring wells reported concentrations of chrysene greater than the NR 140 PAL and/or ES, generally in an area centrally located within the source property.

- Groundwater monitoring wells MW-32SR, MW-37S, TG3-2, TG3-3, TG4-1, TG4-2, TG4-3, and TG5-2 reported concentrations of chrysene greater than the NR 140 PAL, but between the limit of quantitation and the limit of detection.

- Groundwater monitoring wells MW-35S, TG2-2, TG5-3, and TG6-1 reported concentrations of chrysene greater than the NR 140 PAL but less than the NR 140 ES.
- Groundwater monitoring well PZ-09R reported concentrations of chrysene greater than the NR 140 ES.

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 PZ-02 reported a concentration of naphthalene greater than its NR 140 PAL but less than its NR 140 ES.
- Groundwater monitoring well PZ-03 reported a concentration of naphthalene greater than its NR 140 ES and at a relatively high concentration. The concentration of naphthalene from the January sample (4000 µg/L) is greater than the concentration reported from the October 2019 sample (1620 µg/L). Review of the historical data indicate that PZ-03 was only sampled once previously in 2013, and that naphthalene was detected during that sampling round with a concentration of 47 µg/L, which is greater than the NR 140 PAL but less than the NR 140 ES.

RECOMMENDATIONS

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 April 1, 2020. Please feel free to contact the undersigned should you have any questions.

Sincerely,

THE SIGMA GROUP



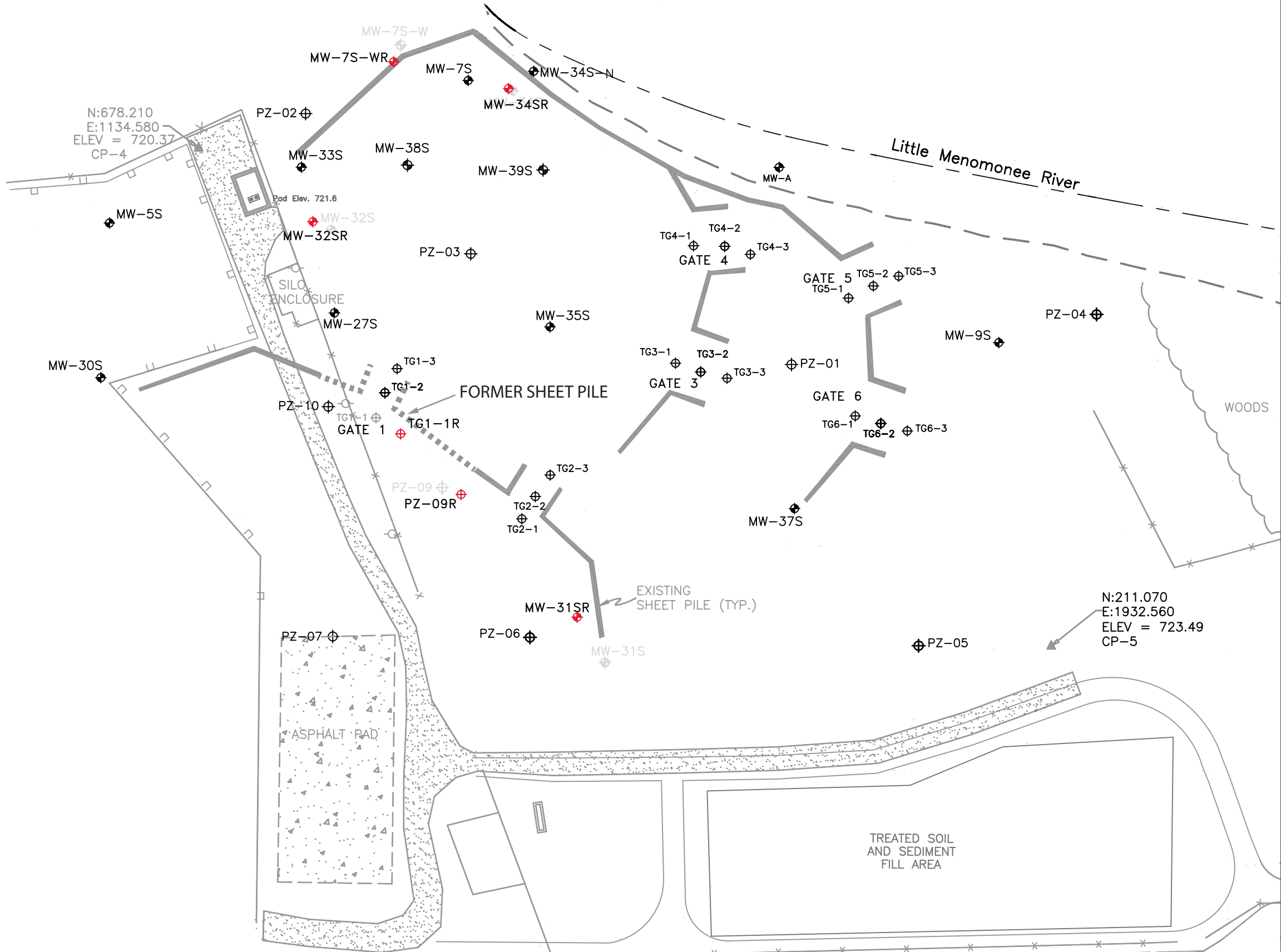
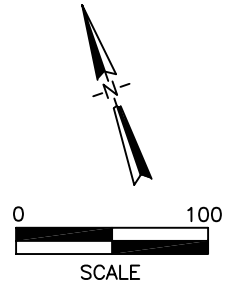
Andrea Lorenz
Project Engineer



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- Winter 2019-2020
Table 2	Groundwater Elevation Results
Table 3	Groundwater <i>In Situ</i> Results
Table 4	Groundwater Analytical Results
Attachment 1	Investigative Waste Manifests – September/October 2019
Attachment 2	Investigative Waste Manifests – December 2019/January 2020
Attachment 3	Laboratory Reports



LEGEND

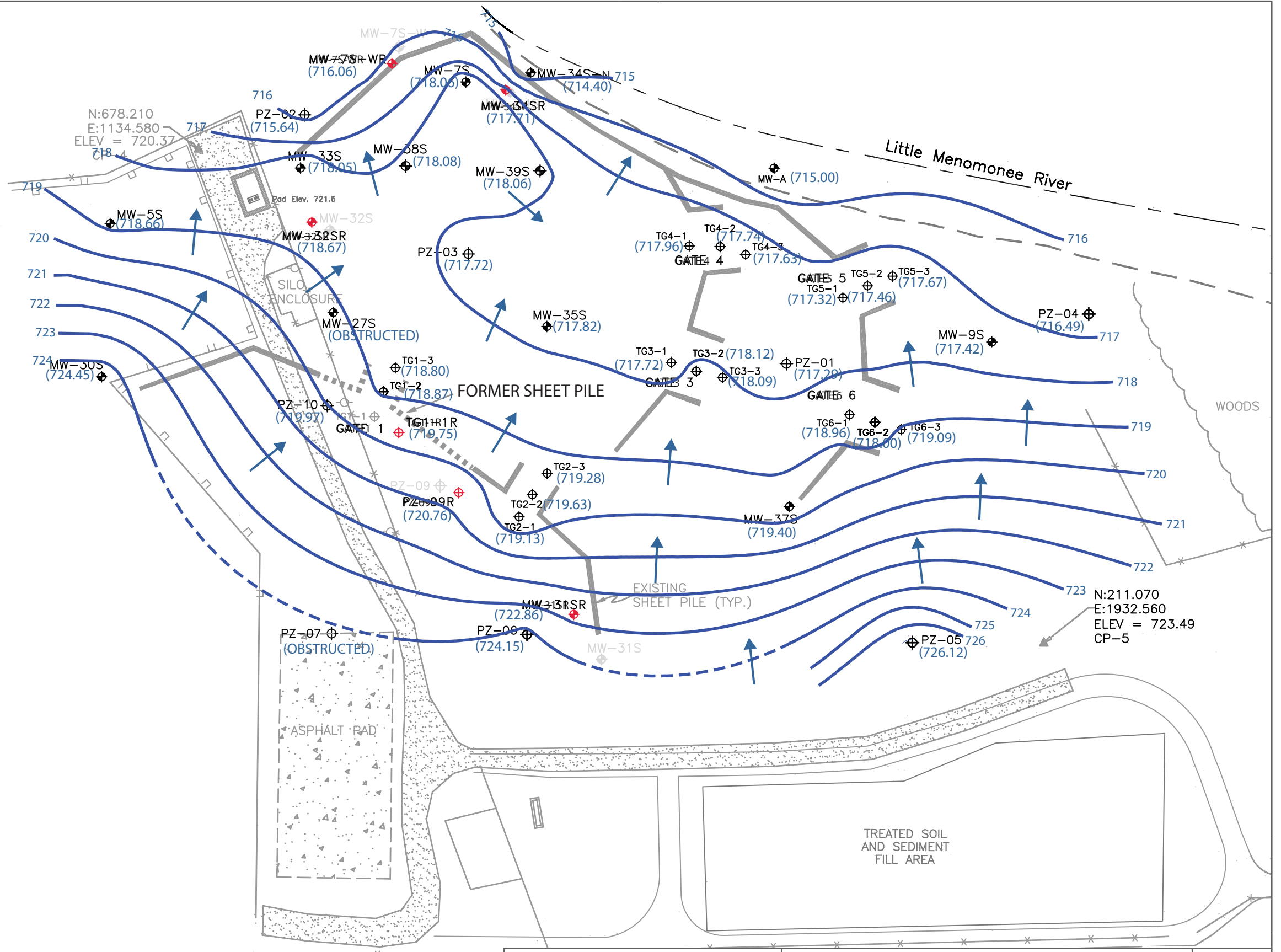
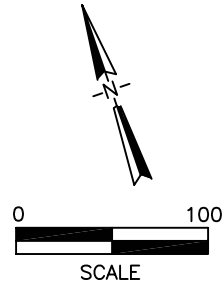
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	CATCH BASIN
	HYDRANT
	SIGN
	UTILITY POLE
	MONITORING WELL
	MONITORING WELL (2019)
	CURRENT RIVER CHANNEL
	FORMER RIVER CHANNEL
	PIEZOMETER
	PIEZOMETER (2019)

N:678.210
E:1134.580
ELEV = 720.37
CP-4

N:211.070
E:1932.560
ELEV = 723.49
CP-5

Project: 18887 | Directory: CAD/Environmental | Filename: 18887_Master_Map_horizontal 11x17 | Created By: ESP/JRS | Date: 11/11/2019

 Single Source. Sound Solutions.	SITE PLAN MAP	FIGURE
	MOSS-AMERICAN SUPERFUND SITE 8716 NORTH GRANVILLE ROAD, MILWAUKEE, WISCONSIN	1



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 (January 2020)
	Groundwater Contour Line
	Groundwater Flow Direction

Project: 18887 | Directory: CAD/Environmental | Filename: 18887_Master_Map_historical_11x17 | Created By: ESP/JRS | Date: 01/28/2020

<p style="font-size: small;">Single Source. Sound Solutions. GROUP</p>	<p>GROUNDWATER CONTOUR MAP (JANUARY 2020)</p> <p>MOSS-AMERICAN SUPERFUND SITE 8716 NORTH GRANVILLE ROAD, MILWAUKEE, WISCONSIN</p>	<p>FIGURE</p> <p style="font-size: 2em; font-weight: bold;">2</p>
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Table 1
Groundwater Monitoring Wells Condition Report- Winter 2019-2020
Former Moss-American Facility- 8716 N Granville Rd, Milwaukee, WI
Sigma Project # 18687

Type of Monitoring Well*	Well ID	Sampled in Fall 2019?	Well Casing Diameter (inches)	Well Casing Material	Comment
shallow groundwater	MW-5S	Y	2	Steel	Good condition; able to sample
	MW-7S	Y	2	Steel	Able to sample; well casing is bent. Well was sampled using a 1" bailer.
	MW-7S-WR	Y	2	PVC	Good condition; able to sample
	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
	MW-27S	N	2	PVC	Well was inclined initially. Gestra straightened the well prior to sampling. Well is obstructed at 4.05 ft below top of casing. No water present.
containment performance	MW-30S	Y	2	Steel	Good condition; able to sample
	MW-31SR	Y	2	PVC	Good condition; able to sample
	MW-32SR	Y	2	PVC	Good condition; able to sample
	MW-33S	Y	2	Steel	Good condition; able to sample
	MW-34SR	Y	2	PVC	Good condition; able to sample
	MW-34S-N	Y	2	PVC	Good condition; able to sample
	MW-35S	Y	2	Steel	Good condition; able to sample
	MW-37S	Y	2	Steel	Good condition; able to sample
	MW-38S	Y	2	Steel	Able to sample; well casing is bent. Well was sampled using a 1" bailer.
	MW-39S	Y	2	Steel	Good condition; able to sample
treatment performance	TG1-1R	Y	2	PVC	Good condition; able to sample
	TG1-2	Y	2	Steel	Good condition; able to sample
	TG1-3	Y	2	Steel	Good condition; able to sample
	TG2-1	Y	2	Steel	Good condition; able to sample
	TG2-2	Y	2	Steel	Good condition; able to sample
	TG2-3	Y	2	Steel	Good condition; able to sample
	TG3-1	Y	2	Steel	Good condition; able to sample
	TG3-2	Y	2	Steel	Good condition; able to sample
	TG3-3	Y	2	Steel	Good condition; able to sample
	TG4-1	Y	2	Steel	Good condition; able to sample
	TG4-2	Y	2	Steel	Good condition; able to sample
	TG4-3	Y	2	Steel	Good condition; able to sample
	TG5-1	Y	2	Steel	Good condition; able to sample
	TG5-2	Y	2	Steel	Good condition; able to sample
	TG5-3	Y	2	Steel	Good condition; able to sample
	TG6-1	Y	2	Steel	Good condition; able to sample
	TG6-2	Y	2	Steel	Good condition; able to sample
	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
piezometer	PZ-01	Y	1.5	PVC	Good condition; able to sample
	PZ-02	Y	1.5	PVC	Good condition; able to sample
	PZ-03	Y	1.5	PVC	Good condition; able to sample
	PZ-04	Y	1.5	PVC	Good condition; able to sample
	PZ-05	Y	1.5	PVC	Good condition; able to sample
	PZ-06	Y	1.5	PVC	Good condition; able to sample
	PZ-07	N	1.5	PVC	Obstructed at 4.1 ft below top of casing
	PZ-09R	Y	2	PVC	Good condition; able to sample
	PZ-10	Y	1.5	PVC	Good condition; able to sample
	river reach	MW-A	Y	2	PVC
MW-B		Y	2	PVC	Good condition; able to sample
MW-C		N	2	PVC	Well casing submerged within protective casing; well not sampled
MW-D		N	2	PVC	Well could not be located due to overgrown vegetation
MW-E		Y	2	PVC	Good condition; able to sample
MW-F		Y	2	PVC	Good condition; able to sample
MW-G		N	2	PVC	Concrete with vault ripped out. Casing open and exposed to surface water
MW-H		Y	2	PVC	Good condition; able to sample
MW-I		N	2	PVC	Well could not be located; well location appears to be submerged
MW-J		Y	2	PVC	Good condition; able to sample
MW-K		N	2	PVC	Well submerged under water/ice; well not sampled due to river water levels

NOTE: Monitoring Wells MW-27S and PZ-07 need to be abandoned and replaced to continue sampling.

* = Type of monitoring well as defined in historical documents

**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	good recovery
	10/8/19	722.72	724.44	5.98	19.52	13.54	-0.76	718.46	4.26	
	1/3/20	722.72	724.44	5.82	19.52	13.70	0.16	718.62	4.10	
MW-7S	4/4/13	719.47	721.59	4.14	15.40	11.26		717.45	2.02	good recovery, Dup #4
	10/7/19	718.87	721.77	4.20	15.05	10.85	-0.41	717.57	1.30	
	1/3/20	718.87	721.77	3.71	15.05	11.34	0.49	718.06	0.81	
MW-7S-W MW-7S-WR	4/5/13	716.41	719.84	4.22	16.85	12.63		715.62	0.79	going dry
	10/3/19	717.66	720.05	2.33	17.37	15.04		717.72	-0.05	
	1/3/20	717.66	720.05	3.99	17.37	13.38	-1.66	716.06	1.61	
MW-9S	4/4/13	719.15	721.66	3.90	15.30	11.40		717.76	1.39	good recovery
	9/27/19	718.72	721.47	4.59	15.05	10.46	-0.94	716.88	1.84	
	12/31/19	718.72	721.47	4.05	15.05	11.00	0.54	717.42	1.30	
MW-27S	4/4/13	720.57	723.10	3.68	17.39	13.71		719.42	1.15	obstruction
	10/3/19	720.14	723.72	OB	OB	OB		OB	OB	
MW-30S	4/4/13	725.35	727.34	3.42	14.72	11.30		723.92	1.43	good recovery
	10/8/19	725.60	727.33	3.21	14.50	11.29	-0.01	724.12	1.48	
	1/3/20	725.60	727.33	2.88	14.50	11.62	0.33	724.45	1.14	
MW-31S MW-31SR	4/3/13			NS	NS	NS		NS	NS	not located moderate recovery slow recovery
	10/8/19	723.13	725.94	1.53	17.35	15.82		724.41	-1.29	
	12/31/19	723.13	725.94	3.08	17.35	14.27	-1.55	722.86	0.26	
MW-32S MW-32SR	4/4/13	719.68	722.79	5.13	14.95	9.82		717.66	2.02	good recovery
	10/3/19	719.16	721.95	3.24	17.62	14.38		718.71	0.46	
	12/31/19	719.16	721.95	3.28	17.58	14.30	-0.08	718.67	0.50	
MW-33S	4/4/13	719.25	721.81	4.49	14.95	10.46		717.32	1.93	good recovery
	10/3/19	719.04	722.31	3.93	14.70	10.77	0.31	718.38	0.67	
	12/31/19	719.04	722.31	4.26	14.70	10.44	-0.33	718.05	1.00	
MW-34S MW-34SR	4/4/13	718.97	721.52	4.45	14.97	10.52		717.07	1.90	dry, Dup #3 sulfur odor
	10/7/19	718.18	720.82	3.74	17.78	14.04		717.08	1.11	
	1/3/20	718.18	720.82	3.11	17.73	14.62	0.58	717.71	0.48	
MW-34S-N	4/5/13	715.41	718.71	3.52	18.15	14.63		715.19	0.22	dry slow recovery
	10/8/19	715.30	717.22	3.38	17.41	14.03	-0.60	713.84	1.46	
	1/8/20	715.30	717.22	2.82	17.41	14.59	0.56	714.40	0.90	
MW-35S	4/4/13	718.14	721.75	4.06	14.63	10.57		717.69	0.45	very good recovery
	10/7/19	718.55	722.48	4.50	14.41	9.91	-0.66	717.98	0.57	
	1/8/20	718.55	722.48	4.66	14.41	9.75	-0.16	717.82	0.73	
MW-37S	4/4/13	721.33	723.30	4.80	15.00	10.20		718.50	2.83	slow recovery
	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	
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	
MW-39S	4/4/13	717.80	721.10	3.42	17.93	14.51		717.68	0.12	good recovery
	10/8/19	718.11	721.36	3.67	17.99	14.32	-0.19	717.69	0.42	
	1/3/20	718.11	721.36	3.30	17.99	14.69	0.37	718.06	0.05	

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)	
TG1-1 TG1-1R	4/3/13	719.77	723.32	4.65	15.10	10.45		718.67	1.10	dry
	10/3/19	720.92	723.45	3.45	17.45	14.00		720.00	0.92	
	1/7/20	720.92	723.45	3.70	17.45	13.75	-0.25	719.75	1.17	
TG1-2	4/3/13	720.06	722.81			0.00		722.81	-2.75	good recovery
	10/3/19	719.78	723.80	4.62	14.30	9.68		719.18	0.61	
	1/7/20	719.78	723.80	4.93	14.30	9.37	-0.31	718.87	0.91	
TG1-3	4/3/13	719.56	722.53	3.41	14.62	11.21		719.12	0.44	good recovery slow recovery
	10/3/19	719.60	723.16	4.02	14.39	10.37	-0.84	719.14	0.46	
	1/8/20	719.60	723.16	4.36	14.39	10.03	-0.34	718.80	0.80	
TG2-1	4/3/13	720.67	723.80	4.25	15.00	10.75		719.55	1.12	slow recovery slow recovery
	10/8/19	720.19	723.80	4.32	14.80	10.48	-0.27	719.48	0.71	
	1/7/20	720.19	723.80	4.67	14.80	10.13	-0.35	719.13	1.06	
TG2-2	4/3/13	720.62	723.05	5.63	14.80	9.17		717.42	3.20	moderate recovery Duplicate #4
	10/8/19	720.60	723.35	3.38	14.55	11.17	2.00	719.97	0.62	
	1/7/20	720.60	723.35	3.72	14.55	10.83	-0.34	719.63	0.96	
TG2-3	4/3/13	720.06	722.61	4.05	OB	OB		718.56	1.50	slow recovery slow recovery
	10/8/19	719.83	723.93	4.45	14.75	10.30		719.48	0.35	
	1/7/20	719.83	723.93	4.65	14.75	10.10	-0.20	719.28	0.55	
TG3-1	4/3/13	719.14	721.05	3.41	14.60	11.19		717.64	1.50	good recovery
	10/8/19	718.93	721.88	3.65	14.60	10.95	-0.24	718.23	0.71	
	1/7/20	718.93	721.88	4.16	14.60	10.44	-0.51	717.72	1.22	
TG3-2	4/3/13	718.87	720.92	3.25	14.25	11.00		717.67	1.20	good recovery
	10/8/19	718.67	721.68	3.13	14.00	10.87	-0.13	718.55	0.12	
	1/7/20	718.67	721.68	3.56	14.00	10.44	-0.43	718.12	0.55	
TG3-3	4/3/13	718.35	720.60	OB	OB	OB		OB	OB	good recovery
	10/8/19	718.01	721.52	3.03	14.75	11.72		718.49	-0.48	
	1/8/20	718.01	721.52	3.43	14.75	11.32	-0.40	718.09	-0.08	
TG4-1	4/3/13	718.06	721.14	OB	OB	OB		OB	OB	good recovery
	10/7/19	717.96	722.27	4.43	14.45	10.02		717.84	0.13	
	12/31/19	717.96	722.27	4.31	14.45	10.14	0.12	717.96	0.01	
TG4-2	4/3/13	718.26	720.75	3.85	14.93	11.08		716.90	1.36	good recovery
	10/7/19	717.93	721.71	4.03	14.75	10.72	-0.36	717.68	0.26	
	12/31/19	717.93	721.71	3.97	14.69	10.72	0.00	717.74	0.20	
TG4-3	4/3/13	718.01	720.04	3.03	14.28	11.25		717.01	1.00	good recovery
	10/7/19	717.62	720.73	3.19	14.10	10.91	-0.34	717.54	0.08	
	12/31/19	717.62	720.73	3.10	14.05	10.95	0.04	717.63	-0.01	
TG5-1	4/3/13	717.60	721.12	4.85	14.65	9.80		716.27	1.33	good recovery
	9/27/19	717.79	722.15	4.76	14.40	9.64	-0.16	717.39	0.40	
	1/7/20	717.79	722.15	4.83	14.40	9.57	-0.07	717.32	0.47	
TG5-2	4/3/13	718.18	720.63	4.25	14.80	10.55		716.38	1.80	good recovery Duplicate #6
	10/7/19	717.62	721.91	4.32	14.55	10.23	-0.32	717.59	0.02	
	1/7/20	717.62	721.91	4.45	14.55	10.10	-0.13	717.46	0.15	
TG5-3	4/3/13	718.17	719.99	3.53	15.02	11.49		716.46	1.71	slow recovery
	9/27/19	716.92	720.87	3.47	14.75	11.28	-0.21	717.40	-0.48	
	12/31/19	716.92	720.87	3.20	14.75	11.55	0.27	717.67	-0.75	

**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)	
TG6-1	4/3/13	719.47	721.96	4.54	15.02	10.48		717.42	2.05	slow recovery
	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	
TG6-2	4/3/13	719.70	722.05	4.67	14.23	9.56		717.38	2.32	moderate recovery
	9/27/19	719.49	722.74	3.49	14.10	10.61	1.05	719.25	0.24	
	1/10/20	719.49	722.74	4.74	14.14	9.40	-1.21	718.00	1.49	
TG6-3	4/3/13	719.58	722.47	4.50	14.65	10.15		717.97	1.61	moderate recovery
	9/27/19	719.47	722.92	3.62	14.45	10.83	0.68	719.30	0.17	
	12/31/19	719.47	722.92	3.83	14.45	10.62	-0.21	719.09	0.38	
PZ-01	4/4/13	718.04	721.05	3.85	14.90	11.05		717.20	0.84	slow recovery
	10/8/19	717.81	721.47	3.71	14.55	10.84	-0.21	717.76	0.05	
	1/7/20	717.81	721.47	4.18	14.55	10.37	-0.47	717.29	0.51	
PZ-02	4/4/13	718.89	721.84	5.94	14.85	8.91		715.90	2.99	good recovery Duplicate #1
	10/3/19	718.36	721.73	4.25	14.75	10.50	1.59	717.48	0.89	
	1/7/20	718.36	721.73	6.09	14.75	8.66	-1.84	715.64	2.73	
PZ-03	4/4/13	719.00	722.09	4.60	14.85	10.25		717.49	1.51	good recovery Duplicate #2
	10/8/19	718.71	722.29	4.65	14.61	9.96	-0.29	717.64	1.06	
	1/8/20	718.71	722.29	4.57	14.61	10.04	0.08	717.72	0.98	
PZ-04	4/4/13	717.30	720.22	OB	OB	OB	OB	OB	OB	slow recovery slow recovery
	9/27/19	716.59	720.73	4.26	15.75	11.49		716.47	0.12	
	1/3/20	716.59	720.73	4.24	15.75	11.51	0.02	716.49	0.10	
PZ-05	4/4/13	724.34	727.43	5.10	14.82	9.72		722.33	2.01	good recovery
	10/7/19	726.26	727.51	2.07	14.56	12.49	2.77	725.44	0.82	
	1/3/20	726.26	727.51	1.39	14.56	13.17	0.68	726.12	0.14	
PZ-06	4/4/13	724.62	727.79	3.91	13.40	9.49		723.88	0.74	slow recovery slow recovery
	10/8/19	724.50	728.07	3.77	13.55	9.78	0.29	724.30	0.21	
	1/3/20	724.50	728.07	3.92	13.55	9.63	-0.15	724.15	0.36	
PZ-07	4/4/13	725.78	728.72	OB	OB	OB	OB	OB	OB	obstruction
	10/8/19			OB	OB	OB	OB	OB	OB	
PZ-09 PZ-09R	4/4/13	721.12	724.08	OB	OB	OB	OB	OB	OB	good recovery Duplicate #3
	10/3/19	720.63	723.62	2.56	17.62	15.06		721.06	-0.43	
	1/7/20	720.63	723.62	2.86	17.62	14.76	-0.30	720.76	-0.13	
PZ-10	4/4/13	722.04	725.05	4.83	14.95	10.12		720.22	1.82	slow recovery
	10/8/19	721.74	725.84	5.83	14.73	8.90	-1.22	720.01	1.73	
	1/3/20	721.74	725.84	5.87	14.73	8.86	-0.04	719.97	1.77	

**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-A	4/5/13	716.73	716.15	0.77	11.80	11.03		715.38	1.35	going dry
	10/8/19	715.70	715.42	0.79	11.57	10.78	-0.25	714.63	1.07	
	1/3/20	715.70	715.42	0.42	11.57	11.15	0.37	715.00	0.70	
MW-B	4/5/13	714.92	714.49	0.70	11.63	10.93		713.79	1.13	Duplicate #5
	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	
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	
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	
MW-E	4/5/13	713.26	712.83	1.17	18.85	17.68		711.66	1.60	going dry
	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	
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	
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	
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	
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	
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	
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	

- 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
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
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
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
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
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
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
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
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
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

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

Well ID	Date	In Situ Measurements						
		pH	Temperature (° C)	Ferrous Iron (mg/l)	Specific Conductance (mmhos/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/l)	Redox Potential (mV)
MW-34S-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
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
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
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
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
TG1-1 TG1-1R	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
	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
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
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
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
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
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

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)
TG3-1	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
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
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
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
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
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
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
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
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
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
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
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

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-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
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
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
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
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
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
PZ-07	10/8/19	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
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
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
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
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
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
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

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-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
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
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
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
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
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

- Notes:
1. C = degrees Celsius
 2. mg/l = milligrams per liter (equivalent to parts per million, ppm)
 3. mmhos/cm = millimhos/centimeter
 4. NTU = Nephelometric Turbidity Unit
 5. mV = millivolts
 6. NA = Sample was not analyzed
 6. NS = Well was not sampled (either due to obstruction, or not included in the program or could not be located.)
 7. OB = Well was obstructed
 8. 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					MW-7S-W / MW-7S-WR			MW-9S			
Date:	9/27/10					4/4/13	10/9/19	1/3/20	9/28/10	4/4/13	10/9/19	DUP #4 10/9/19	1/3/20	4/5/13	10/4/19	1/3/20	9/30/10	4/4/13	10/2/19	12/31/19	
BTEX																					
Benzene	µg/L	0.67	0.067	5	0.5	<0.2	<0.27	< 0.22	< 0.22	0.9 J	0.36 J	< 0.22	< 0.22	< 0.22	<0.27	< 0.22	< 0.22	<0.2	<0.27	< 0.22	< 0.22
Ethylbenzene	µg/L	1360.0	272.0	700	140	<0.2	<0.82	< 0.26	< 0.26	0.3 J	<0.82	< 0.26	< 0.26	< 0.26	<0.82	< 0.26	< 0.26	<0.2	<0.82	< 0.26	< 0.26
Xylenes, Total	µg/L	620.0	124.0	10,000	1,000	<0.6	<2.41	< 0.72	< 0.72	1.8 J	1.7 J	< 0.72	< 0.72	< 0.72	1.56 J	< 0.72	< 0.72	<0.6	<2.41	< 0.72	< 0.72
Toluene	µg/L	343.0	68.6	1,000	200	<0.2	<0.8	< 0.19	< 0.19	<0.2	<0.8	< 0.19	< 0.19	< 0.19	<0.8	< 0.19	< 0.19	<0.2	<0.8	< 0.19	< 0.19
PAHs																					
Acenaphthene	µg/L	NS	NS	NS	NS	<0.51	<0.021	< 0.0094	< 0.0094	8.3	5	2.18	NT	0.5	291	3.30	18.3	<0.52	0.028 J	< 0.0094	< 0.0094
Acenaphthylene	µg/L	NS	NS	NS	NS	<1	<0.02	< 0.0156	< 0.0156	<8.2	0.17	0.067	NT	0.0194 J	2.45 J	0.106	0.40	<1	<0.02	< 0.0156	< 0.0156
Anthracene	µg/L	NS	NS	3,000	600	<0.02	0.030 J	0.0192 J	< 0.015	<0.022	0.138	0.136	NT	0.117	183	0.223	0.176 J	<0.021	0.048 J	0.0198 J	0.0255 J
Benzo(a)anthracene	µg/L	NS	NS	NS	NS	<0.01	<0.025	< 0.0131	< 0.02	<0.011	<0.025	0.0256 J	NT	< 0.02	<2.5	0.0255 J	0.137 J	<0.01	0.025	< 0.0131	< 0.02
Benzo(a)pyrene	µg/L	NS	NS	0.2	0.02	<0.01	<0.018	< 0.0167	< 0.0167	<0.011	<0.018	< 0.0167	NT	< 0.0167	<1.8	< 0.0167	< 0.0835	<0.01	<0.018	< 0.0167	< 0.0167
Benzo(b)fluoranthene	µg/L	NS	NS	0.2	0.02	<0.0081	<0.02	< 0.016	< 0.016	<0.0086	<0.02	< 0.016	NT	< 0.016	<2	< 0.016	< 0.08	<0.0084	<0.02	< 0.016	< 0.016
Benzo(ghi)perylene	µg/L	NS	NS	NS	NS	<0.061	<0.023	< 0.0142	< 0.0142	<0.065	<0.023	< 0.0142	NT	< 0.0142	<2.3	< 0.0142	< 0.071	<0.063	<0.023	< 0.0142	< 0.0142
Benzo(k)fluoranthene	µg/L	NS	NS	NS	NS	<0.0081	<0.027	< 0.0146	< 0.0146	<0.0083	<0.027	< 0.0146	NT	< 0.0146	<2.7	< 0.0146	< 0.073	<0.0084	<0.027	< 0.0146	< 0.0146
Chrysene	µg/L	NS	NS	0.2	0.02	<0.061	<0.018	< 0.0157	< 0.0157	<0.065	<0.018	< 0.0157	NT	< 0.0157	<1.8	0.0163 J	< 0.0785	<0.063	<0.018	< 0.0157	< 0.0157
Dibenzo(a,h)anthracene	µg/L	NS	NS	NS	NS	<0.02	<0.023	< 0.0173	< 0.0173	<0.022	<0.023	< 0.0173	NT	< 0.0173	<2.3	< 0.0173	< 0.0865	<0.021	<0.023	< 0.0173	< 0.0173
Fluoranthene	µg/L	NS	NS	400	80	<0.02	<0.026	< 0.0088	< 0.0088	<0.022	<0.026	0.029	NT	0.0107 J	14.4	0.76	1.74	<0.021	<0.026	< 0.0088	< 0.0088
Fluorene	µg/L	NS	NS	400	80	<0.1	<0.02	< 0.0079	< 0.0079	1.5	0.83	0.43	NT	0.077	162	0.014 J	2.79	<0.1	0.029 J	< 0.0079	0.0083 J
Indeno(1,2,3-cd)pyrene	µg/L	NS	NS	NS	NS	<0.04	<0.027	< 0.0121	< 0.0121	<0.043	<0.027	< 0.0121	NT	< 0.0121	<2.7	< 0.0121	< 0.0605	<0.042	<0.027	< 0.0121	< 0.0121
Naphthalene	µg/L	NS	NS	100	10	<1	0.025 J	0.086	0.047 J	1.6 J	0.43	0.112	NT	0.091 J	64	< 0.026	< 0.15	<1	0.38	< 0.026	0.037 J
Phenanthrene	µg/L	NS	NS	NS	NS	<0.04	<0.018	< 0.0143	< 0.0143	<0.043	0.034 J	0.0278 J	NT	0.0177 J	177	0.0307 J	< 0.0715	<0.042	0.044 J	< 0.0143	< 0.0143
Pyrene	µg/L	NS	NS	250	50	<0.1	<0.025	< 0.0121	< 0.0121	<0.11	<0.025	0.0236 J	NT	< 0.0121	7.5 J	0.52	1.07	<0.1	<0.025	< 0.0121	< 0.0121

- Notes:
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 - EPA ROD PAL = Preventive Action Limit within the EPA's 1990 Record of Decision for Moss America
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 - NR 140 PAL = Wisconsin Administrative Code, Chapter NR 140 Preventive Action Limit
 - NS = no standard
 - µg/L = micrograms per liter (equivalent to parts per billion, ppb)
 - Laboratory flags: "J" = Analyte detected between Limit of Detection and Limit of Quantitation
 - NT = not tested
 - 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 BTEX less than LOD
 Trip blank 1/10/2020 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			MW-32S / MW-32SR				MW-33S				
					Date:	9/27/10	4/4/13	10/7/19	9/28/10	4/4/13	10/9/19	1/3/20	9/29/10	10/3/19	12/31/19	9/27/10	4/4/13	10/4/19	12/31/19	9/28/10	4/4/13	10/4/19	12/31/19
BTEX																							
Benzene	µg/L	0.67	0.067	5	0.5	<0.2	<0.27	obstructed	<0.2	<0.27	< 0.22	< 0.22	<0.2	< 0.22	< 0.22	<0.2	<0.27	< 0.22	< 0.22	<0.2	<0.27	< 0.22	< 0.22
Ethylbenzene	µg/L	1360.0	272.0	700	140	<0.2	<0.82		<0.2	<0.82	< 0.26	< 0.26	<0.2	< 0.26	< 0.26	<0.2	<0.82	< 0.26	< 0.26	0.5 J	<0.82	< 0.26	< 0.26
Xylenes, Total	µg/L	620.0	124.0	10,000	1,000	<0.6	<2.41		<0.6	<2.41	< 0.72	< 0.72	<0.6	< 0.72	< 0.72	<0.6	<2.41	< 0.72	< 0.72	3.1	<2.41	< 0.72	< 0.72
Toluene	µg/L	343.0	68.6	1,000	200	<0.2	<0.8		<0.2	<0.8	< 0.19	< 0.19	<0.2	< 0.19	< 0.19	<0.2	<0.8	< 0.19	< 0.19	0.3 J	<0.8	< 0.19	< 0.19
PAHs																							
Acenaphthene	µg/L	NS	NS	NS	NS	<0.52	0.113		<0.53	<0.021	< 0.0094	< 0.0094	<0.52	< 0.0094	0.0122 J	<0.54	<0.021	0.67	0.50	100	0.66	0.12	0.093
Acenaphthylene	µg/L	NS	NS	NS	NS	<1	0.022 J		<1.1	<0.02	< 0.0156	< 0.0156	<1	< 0.0156	0.017 J	<1.1	<0.02	< 0.0468	0.0195 J	<1	<0.02	< 0.0156	0.0183 J
Anthracene	µg/L	NS	NS	3,000	600	<0.021	0.14		<0.021	0.113	0.134	0.174	<0.021	< 0.015	0.0232 J	<0.022	0.057 J	0.136 J	0.057	0.62	0.132	0.158	0.127
Benzo(a)anthracene	µg/L	NS	NS	NS	NS	<0.01	<0.025		<0.011	<0.025	0.0174 J	0.0233 J	<0.01	0.0199 J	0.0248 J	<0.011	<0.025	< 0.0393	0.0279 J	<0.01	<0.025	< 0.0131	0.0278 J
Benzo(a)pyrene	µg/L	NS	NS	0.2	0.02	<0.01	<0.018		<0.011	<0.018	< 0.0167	< 0.0167	<0.01	< 0.0167	< 0.0167	<0.011	<0.018	< 0.0501	<i>0.0224 J</i>	<0.01	<0.018	< 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	<i>0.0231 J</i>	<0.0084	< 0.016	0.0186 J	<0.0086	<0.02	< 0.048	<i>0.0268 J</i>	<0.0081	<0.02	< 0.016	<i>0.0241 J</i>
Benzo(ghi)perylene	µg/L	NS	NS	NS	NS	<0.063	<0.023		<0.063	<0.023	< 0.0142	< 0.0142	<0.063	< 0.0142	0.0154 J	<0.065	<0.023	< 0.0426	0.027 J	<0.061	<0.023	< 0.0142	0.0183 J
Benzo(k)fluoranthene	µg/L	NS	NS	NS	NS	<0.0084	<0.027		<0.0084	<0.027	< 0.0146	< 0.0146	<0.0084	< 0.0146	0.0184 J	<0.0086	<0.027	< 0.0438	0.0263 J	<0.0081	<0.027	< 0.0146	0.0181 J
Chrysene	µg/L	NS	NS	0.2	0.02	<0.063	<0.018		<0.063	<0.018	< 0.0157	< 0.0157	<0.063	< 0.0157	0.017 J	<0.065	<0.018	< 0.0471	<i>0.0234 J</i>	<0.061	<0.018	< 0.0157	0.0193 J
Dibenzo(a,h)anthracene	µg/L	NS	NS	NS	NS	<0.021	<0.023		<0.021	<0.023	< 0.0173	< 0.0173	<0.021	< 0.0173	< 0.0173	<0.022	<0.023	< 0.0519	0.0229 J	<0.02	<0.023	< 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	<0.021	< 0.0088	0.0159 J	<0.022	<0.026	0.096	0.04	0.028 J	<0.026	< 0.0088	0.0173 J
Fluorene	µg/L	NS	NS	400	80	<0.1	0.075	<0.11	<0.02	0.0144 J	< 0.0079	<0.1	< 0.0079	0.0149 J	<0.11	<0.02	< 0.0237	0.0224 J	49	0.251	0.045	0.044	
Indeno(1,2,3-cd)pyrene	µg/L	NS	NS	NS	NS	<0.042	<0.027	<0.042	<0.027	< 0.0121	< 0.0121	<0.042	< 0.0121	0.0139 J	<0.043	<0.027	< 0.0363	0.0246 J	<0.04	<0.027	< 0.0121	0.0171 J	
Naphthalene	µg/L	NS	NS	100	10	<1	2.34	<1.1	0.024 J	0.047 J	0.051 J	<1	< 0.026	0.049 J	<1.1	0.249	< 0.078	0.049 J	<i>100</i>	0.201	0.23	0.175	
Phenanthrene	µg/L	NS	NS	NS	NS	0.073 J	0.106	0.046 J	0.029 J	< 0.0143	0.0199 J	<0.042	0.0177 J	0.0265 J	<0.043	0.022 J	0.046 J	0.02 J	15	0.08	0.0201 J	0.033 J	
Pyrene	µg/L	NS	NS	250	50	<0.1	0.029 J	<0.11	<0.025	0.0158 J	0.0267 J	<0.1	< 0.0121	0.0157 J	<0.11	<0.025	0.054 J	0.0267 J	<0.1	<0.025	< 0.0121	0.0146 J	

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 - NR 140 PAL = Wisconsin Administrative Code, Chapter NR 140 Preventive Action Limit
 - NS = no standard
 - µg/L = micrograms per liter (equivalent to parts per billion, ppb)
 - Laboratory flags: "J" = Analyte detected between Limit of Detection and Limit of Quantitation
 - NT = not tested
 - 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 BTEX less than LOD
Trip blank 1/10/2020 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			MW-35S			MW-37S				
Date:	9/28/10					4/4/13	10/9/19	DUP #3 10/9/19	1/3/20	4/5/13	10/9/19	1/8/20	9/28/10	10/7/19	1/8/20	9/29/10	4/4/13	10/7/19	12/31/19		
BTEX																					
Benzene	µg/L	0.67	0.067	5	0.5	6.2	7	< 0.22	< 0.22	< 0.22	<0.27	< 0.22	< 0.22	<0.2	< 0.22	< 0.22	<0.2	<0.27	< 0.22	< 0.22	
Ethylbenzene	µg/L	1360.0	272.0	700	140	26	28.4	< 0.26	< 0.26	< 0.26	<0.82	< 0.26	< 0.26	<0.2	< 0.26	< 0.26	<0.2	<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	<2.41	< 0.72	< 0.72	<0.6	< 0.72	< 0.72	<0.6	<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	<0.8	< 0.19	< 0.19	<0.2	< 0.19	< 0.19	<0.2	<0.8	< 0.19	< 0.19	
PAHs																					
Acenaphthene	µg/L	NS	NS	NS	NS	2100	410	2.39	NT	5.00	0.059 J	0.0137 J	0.271	0.6 J	2.68	8.3	<0.52	0.025 J	0.0259 J	0.036	
Acenaphthylene	µg/L	NS	NS	NS	NS	<200	<20	0.048 J	NT	0.057	<0.02	< 0.0156	< 0.0156	<1.1	0.034 J	0.068	<1	<0.02	< 0.0156	0.042 J	
Anthracene	µg/L	NS	NS	3,000	600	450	88	0.271	NT	0.273	0.023 J	0.0163 J	< 0.015	<0.022	0.16	0.078	<0.021	<0.02	0.0249 J	0.053	
Benzo(a)anthracene	µg/L	NS	NS	NS	NS	310	54 J	0.033 J	NT	0.025 J	<0.025	0.0243 J	0.0226 J	0.017 J	0.087	0.067	<0.01	<0.025	0.0168 J	0.047 J	
Benzo(a)pyrene	µg/L	NS	NS	0.2	0.02	120	<18	< 0.0167	NT	< 0.0167	<0.018	< 0.0167	< 0.0167	<0.011	<i>0.0241 J</i>	<i>0.032 J</i>	<i>0.027 J</i>	<0.018	< 0.0167	<i>0.032 J</i>	
Benzo(b)fluoranthene	µg/L	NS	NS	0.2	0.02	100	26.1 J	< 0.016	NT	< 0.016	<0.02	<i>0.0231 J</i>	< 0.016	<0.0089	<i>0.048 J</i>	<i>0.042 J</i>	0.014 J	<0.02	< 0.016	<i>0.036 J</i>	
Benzo(ghi)perylene	µg/L	NS	NS	NS	NS	<61	<23	< 0.0142	NT	< 0.0142	<0.023	< 0.0142	< 0.0142	<0.067	0.0164 J	0.0254 J	0.08 J	<0.023	< 0.0142	0.0296 J	
Benzo(k)fluoranthene	µg/L	NS	NS	NS	NS	59	<27	< 0.0146	NT	< 0.0146	<0.027	< 0.0146	< 0.0146	<0.0089	0.0178 J	0.0295 J	0.01 J	<0.027	< 0.0146	0.038 J	
Chrysene	µg/L	NS	NS	0.2	0.02	340	50 J	<i>0.0244 J</i>	NT	< 0.0157	<0.018	< 0.0157	< 0.0157	<0.067	<i>0.055</i>	<i>0.056</i>	<0.062	<0.018	< 0.0157	<i>0.042 J</i>	
Dibenzo(a,h)anthracene	µg/L	NS	NS	NS	NS	<23	<23	< 0.0173	NT	< 0.0173	<0.023	< 0.0173	< 0.0173	<0.022	< 0.0173	0.0193 J	<0.021	<0.023	< 0.0173	0.032 J	
Fluoranthene	µg/L	NS	NS	400	80	1800	320	0.44	NT	0.46	<0.026	0.028 J	0.0173 J	0.5	0.62	0.33	<0.021	<0.026	< 0.0088	0.041	
Fluorene	µg/L	NS	NS	400	80	1700	330	1.56	NT	0.74	0.034 J	< 0.0079	0.089	0.12 J	0.279	0.161	<0.1	0.028 J	0.0146 J	0.046	
Indeno(1,2,3-cd)pyrene	µg/L	NS	NS	NS	NS	<49	<27	< 0.0121	NT	< 0.0121	<0.027	< 0.0121	< 0.0121	<0.045	< 0.0121	0.025 J	<0.041	<0.027	< 0.0121	0.0294 J	
Naphthalene	µg/L	NS	NS	100	10	11000	4100	0.304	NT	0.075 J	0.053 J	0.0308 J	3.60	<1.1	0.219	0.44	<1	0.36	0.286	0.075 J	
Phenanthrene	µg/L	NS	NS	NS	NS	4600	800	0.55	NT	0.033 J	0.057 J	0.0171 J	0.037 J	0.053 J	0.0232 J	0.0263 J	<0.041	0.037 J	< 0.0143	0.054	
Pyrene	µg/L	NS	NS	250	50	1400	222	0.267	NT	0.267	<0.025	0.0231 J	0.017 J	0.36 J	0.42	0.231	<0.1	<0.025	< 0.0121	0.038 J	

- 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 BTEX less than LOD
Trip blank 1/10/2020 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				TG1-1 / TG1-1R					TG1-2	
Date:	9/28/10					4/4/13	10/9/19	1/3/20	9/28/10	4/4/13	10/9/19	1/3/20	9/29/10	4/3/13	10/4/19	DUP #1		10/4/19	1/7/20	
BTEX																				
Benzene	µg/L	0.67	0.067	5	0.5	1.9	0.96	< 0.22	< 0.22	<0.2	<0.27	< 0.22	< 0.22	0.3 J	<0.27	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Ethylbenzene	µg/L	1360.0	272.0	700	140	0.9 J	1.4 J	< 0.26	< 0.26	<0.2	<0.82	< 0.26	< 0.26	30	18.4	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
Xylenes, Total	µg/L	620.0	124.0	10,000	1,000	0.9 J	1.41 J	< 0.72	< 0.72	<0.6	<2.41	< 0.72	< 0.72	55	31.3	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72
Toluene	µg/L	343.0	68.6	1,000	200	<0.2	<0.8	< 0.19	< 0.19	<0.2	<0.8	< 0.19	< 0.19	<0.2	<0.8	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
PAHs																				
Acenaphthene	µg/L	NS	NS	NS	NS	4	4.2	0.70	0.257	3.3	5.8	13.9	19.7	90000	262	0.167	NT	1.10	12.1	17.4
Acenaphthylene	µg/L	NS	NS	NS	NS	<3.2	0.153	0.0242 J	< 0.0156	<13	0.127	0.062 J	0.163 J	4000 J	<10	< 0.0156	NT	0.0192 J	0.065 J	0.122 J
Anthracene	µg/L	NS	NS	3,000	600	<0.022	0.263	0.10	0.099	0.13	0.136	0.101	0.101 J	20,000	23.6 J	0.0312 J	NT	0.09	0.229	0.176 J
Benzo(a)anthracene	µg/L	NS	NS	NS	NS	<0.011	0.039 J	0.0166 J	< 0.02	<0.011	0.069 J	0.036 J	0.139 J	14000	<12.5	0.0198 J	NT	0.0248 J	0.077 J	0.159 J
Benzo(a)pyrene	µg/L	NS	NS	0.2	0.02	<0.011	0.032 J	< 0.0167	< 0.0167	<0.044	0.027 J	< 0.0334	< 0.0835	7300	<9	< 0.0167	NT	< 0.0167	< 0.0334	< 0.0835
Benzo(b)fluoranthene	µg/L	NS	NS	0.2	0.02	<0.0089	0.079	< 0.016	< 0.016	<0.0085	0.057 J	< 0.032	< 0.08	4900	<10	0.0213 J	NT	< 0.016	0.035 J	< 0.08
Benzo(ghi)perylene	µg/L	NS	NS	NS	NS	<0.067	0.077	< 0.0142	< 0.0142	<0.063	<0.023	< 0.0284	< 0.071	3000	<11.5	0.0201 J	NT	< 0.0142	< 0.0284	< 0.071
Benzo(k)fluoranthene	µg/L	NS	NS	NS	NS	<0.0089	<0.027	< 0.0146	< 0.0146	<0.0085	<0.027	< 0.0292	< 0.073	2900	<13.5	0.0175 J	NT	< 0.0146	< 0.0292	< 0.073
Chrysene	µg/L	NS	NS	0.2	0.02	<0.067	0.052 J	< 0.0157	< 0.0157	<0.063	0.054 J	< 0.0314	< 0.0785	14000	<9	< 0.0157	NT	< 0.0157	0.052 J	< 0.0785
Dibenzo(a,h)anthracene	µg/L	NS	NS	NS	NS	<0.022	<0.023	< 0.0173	< 0.0173	<0.021	<0.023	< 0.0346	< 0.0865	1200	<11.5	< 0.0173	NT	< 0.0173	< 0.0346	< 0.0865
Fluoranthene	µg/L	NS	NS	400	80	<0.22	0.103	< 0.0088	< 0.0088	0.19	0.32	0.064	0.38	82000	28.1 J	0.087	NT	0.34	0.87	0.98
Fluorene	µg/L	NS	NS	400	80	<0.11	0.152	0.017 J	0.0153 J	1.1	0.73	0.70	0.98	75000	135	0.0214 J	NT	0.233 J	2.31	3.05
Indeno(1,2,3-cd)pyrene	µg/L	NS	NS	NS	NS	<0.044	0.04 J	< 0.0121	< 0.0121	<0.042	<0.027	< 0.0242	< 0.0605	2600	<13.5	0.0197 J	NT	< 0.0121	< 0.0242	< 0.0605
Naphthalene	µg/L	NS	NS	100	10	67	8.1	0.04 J	0.159	<1.1	0.211	0.103 J	< 0.15	110000	1950	< 0.026	NT	< 0.03	< 0.052	< 0.15
Phenanthrene	µg/L	NS	NS	NS	NS	<0.044	0.15	0.0169 J	0.0165 J	0.056 J	0.252	< 0.0286	< 0.0715	200000	113	< 0.0143	NT	0.039 J	0.097	0.124 J
Pyrene	µg/L	NS	NS	250	50	<0.11	0.092	< 0.0121	< 0.0121	0.15 J	0.216	0.046 J	0.282	57000	17.7 J	0.102	NT	0.213	0.52	0.59

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 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 BTEX less than LOD
Trip blank 1/10/2020 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				TG2-2			TG2-3		
						9/29/10	4/3/13	10/4/19	1/8/20	9/29/10	4/3/13	10/3/19	1/7/20	10/3/19	1/7/20	DUP #4 1/7/20	9/29/10	10/3/19	1/7/20
Date:																			
BTEX																			
Benzene	µg/L	0.67	0.067	5	0.5	<0.2	<0.27	< 0.22	< 0.22	<0.2	<0.27	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	<0.2	< 0.22	< 0.22
Ethylbenzene	µg/L	1360.0	272.0	700	140	<0.2	<0.82	< 0.26	< 0.26	<0.2	<0.82	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	<0.2	< 0.26	< 0.26
Xylenes, Total	µg/L	620.0	124.0	10,000	1,000	<0.6	<2.41	< 0.72	< 0.72	<0.6	<2.41	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	<0.6	< 0.72	< 0.72
Toluene	µg/L	343.0	68.6	1,000	200	<0.2	<0.8	< 0.19	< 0.19	<0.2	<0.8	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	<0.2	< 0.19	< 0.19
PAHs																			
Acenaphthene	µg/L	NS	NS	NS	NS	2.9	1.77	1.16	1.99	<0.58	<0.021	< 0.0094	< 0.0094	0.047	0.067	NT	<0.55	< 0.0094	< 0.0094
Acenaphthylene	µg/L	NS	NS	NS	NS	<1	<0.02	< 0.0156	< 0.0156	<1.2	<0.02	< 0.0156	< 0.0156	0.097	0.061	NT	<1.1	< 0.0156	< 0.0156
Anthracene	µg/L	NS	NS	3,000	600	0.12	0.113	0.063	0.0178 J	<0.023	0.035 J	0.022 J	< 0.015	0.285	0.13	NT	<0.022	0.032 J	0.0211 J
Benzo(a)anthracene	µg/L	NS	NS	NS	NS	<0.01	0.025 J	0.0154 J	< 0.02	<0.012	<0.025	< 0.0131	< 0.02	0.115	0.071	NT	<0.011	0.0205 J	< 0.02
Benzo(a)pyrene	µg/L	NS	NS	0.2	0.02	<0.01	<0.018	< 0.0167	< 0.0167	<0.012	<0.018	< 0.0167	< 0.0167	0.114	0.069	NT	<0.011	< 0.0167	< 0.0167
Benzo(b)fluoranthene	µg/L	NS	NS	0.2	0.02	<0.0083	<0.02	< 0.016	< 0.016	<0.0093	<0.02	< 0.016	< 0.016	0.315	0.169	NT	<0.0088	0.0273 J	< 0.016
Benzo(ghi)perylene	µg/L	NS	NS	NS	NS	<0.062	<0.023	< 0.0142	< 0.0142	<0.069	<0.023	< 0.0142	< 0.0142	0.225	0.13	NT	<0.066	< 0.0142	< 0.0142
Benzo(k)fluoranthene	µg/L	NS	NS	NS	NS	<0.0083	<0.027	< 0.0146	< 0.0146	<0.0093	<0.027	< 0.0146	< 0.0146	0.08	0.051	NT	<0.0088	0.0207 J	< 0.0146
Chrysene	µg/L	NS	NS	0.2	0.02	<0.062	<0.018	< 0.0157	< 0.0157	<0.069	<0.018	< 0.0157	< 0.0157	0.137	0.093	NT	<0.066	< 0.0157	< 0.0157
Dibenzo(a,h)anthracene	µg/L	NS	NS	NS	NS	<0.021	<0.023	< 0.0173	< 0.0173	<0.023	<0.023	< 0.0173	< 0.0173	0.039 J	< 0.0173	NT	<0.022	< 0.0173	< 0.0173
Fluoranthene	µg/L	NS	NS	400	80	27	0.155	0.097	0.111	<0.023	<0.026	< 0.0088	< 0.0088	0.279	0.183	NT	0.026 J	0.0177 J	0.0175 J
Fluorene	µg/L	NS	NS	400	80	1.4	0.259	0.051	0.189	<0.12	<0.02	< 0.0079	< 0.0079	0.0263	0.0192 J	NT	<0.11	< 0.0079	< 0.0079
Indeno(1,2,3-cd)pyrene	µg/L	NS	NS	NS	NS	<0.041	<0.027	< 0.0121	< 0.0121	<0.046	<0.027	< 0.0121	< 0.0121	0.138	0.085	NT	<0.044	< 0.0121	< 0.0121
Naphthalene	µg/L	NS	NS	100	10	<1	0.024 J	< 0.026	0.066 J	<1.2	<0.023	< 0.026	< 0.03	< 0.026	< 0.03	NT	<1.1	< 0.026	< 0.03
Phenanthrene	µg/L	NS	NS	NS	NS	0.59	0.035 J	< 0.0143	0.045 J	<0.046	<0.018	< 0.0143	< 0.0143	0.069	0.043 J	NT	<0.044	< 0.0143	< 0.0143
Pyrene	µg/L	NS	NS	250	50	0.16 J	0.104	0.058	0.057	<0.12	<0.025	< 0.0121	< 0.0121	0.262	0.176	NT	<0.11	0.0156 J	0.0145 J

- Notes:
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 - NS = no standard
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 - Exceedances:
 - BOLD** = Concentration exceeds NR 140 ES
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 - BOLD** = Concentration exceeds EPA ROD ES
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Trip blank 12/31/19 BTEX less than LOD
 Trip blank 1/10/2020 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		TG3-3			TG4-1			TG4-2	
						9/29/10	4/3/13	10/3/19	1/7/20	10/3/19	1/7/20	9/29/10	10/3/19	1/8/20	9/29/10	10/8/19	12/31/19	10/8/19	12/31/19
Date:																			
BTEX																			
Benzene	µg/L	0.67	0.067	5	0.5	<0.2	<0.27	< 0.22	< 0.22	< 0.22	< 0.22	<0.2	< 0.22	< 0.22	<0.2	< 0.22	< 0.22	< 0.22	< 0.22
Ethylbenzene	µg/L	1360.0	272.0	700	140	<0.2	<0.82	< 0.26	< 0.26	< 0.26	< 0.26	<0.2	< 0.26	< 0.26	<0.2	< 0.26	< 0.26	< 0.26	< 0.26
Xylenes, Total	µg/L	620.0	124.0	10,000	1,000	<0.6	<2.41	< 0.72	< 0.72	< 0.72	< 0.72	<0.6	< 0.72	< 0.72	<0.6	< 0.72	< 0.72	< 0.72	< 0.72
Toluene	µg/L	343.0	68.6	1,000	200	<0.2	<0.8	< 0.19	< 0.19	< 0.19	< 0.19	<0.2	< 0.19	< 0.19	<0.2	< 0.19	< 0.19	< 0.19	< 0.19
PAHs																			
Acenaphthene	µg/L	NS	NS	NS	NS	<0.54	0.099	0.189	0.167	0.087	0.127	<0.52	0.27	0.37	<0.54	< 0.0094	0.0226 J	0.252	0.63
Acenaphthylene	µg/L	NS	NS	NS	NS	<1.1	0.056 J	< 0.0156	0.0223 J	0.0252 J	0.0234 J	<1	0.038 J	0.0193 J	<1.1	< 0.0156	0.0302 J	< 0.0156	0.036 J
Anthracene	µg/L	NS	NS	3,000	600	<0.022	0.189	0.106	0.072	0.116	0.072	0.023 J	0.196	0.073	<0.022	0.091	0.088	0.144	0.109
Benzo(a)anthracene	µg/L	NS	NS	NS	NS	<0.011	0.076 J	0.032 J	0.0296 J	0.04 J	0.034 J	<0.01	0.062	0.0308 J	<0.011	0.0139 J	0.034 J	0.0289 J	0.051 J
Benzo(a)pyrene	µg/L	NS	NS	0.2	0.02	<0.011	0.04 J	< 0.0167	< 0.0167	0.0246 J	0.0198 J	<0.01	0.039 J	< 0.0167	<0.011	< 0.0167	0.0224 J	< 0.0167	0.028 J
Benzo(b)fluoranthene	µg/L	NS	NS	0.2	0.02	<0.0087	0.073	0.0228 J	< 0.016	0.07	0.038 J	<0.0083	0.108	0.0245 J	<0.0086	< 0.016	0.0251 J	0.0196 J	0.049 J
Benzo(ghi)perylene	µg/L	NS	NS	NS	NS	<0.065	0.065 J	< 0.0142	0.0152 J	0.049	0.033 J	<0.062	0.072	0.0217 J	<0.065	< 0.0142	0.0203 J	< 0.0142	0.039 J
Benzo(k)fluoranthene	µg/L	NS	NS	NS	NS	<0.0087	0.029 J	0.0169 J	< 0.0146	0.0261 J	0.0175 J	<0.0083	0.036 J	< 0.0146	<0.0086	< 0.0146	0.0243 J	< 0.0146	0.022 J
Chrysene	µg/L	NS	NS	0.2	0.02	<0.065	0.061	0.0236 J	< 0.0157	0.034 J	0.0213 J	<0.062	0.066	0.0207 J	<0.065	< 0.0157	0.0281 J	0.0159 J	0.041 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	< 0.0173	< 0.0173	<0.022	< 0.0173	0.0218 J	< 0.0173	< 0.0173
Fluoranthene	µg/L	NS	NS	400	80	0.062 J	0.244	0.05	0.057	0.077	0.059	0.061 J	0.222	0.073	<0.022	< 0.0088	0.029	0.169	0.305
Fluorene	µg/L	NS	NS	400	80	0.12 J	0.068	0.026	0.056	0.0139 J	0.016 J	0.15 J	0.05	0.06	<0.11	< 0.0079	0.0285	< 0.0079	0.0209 J
Indeno(1,2,3-cd)pyrene	µg/L	NS	NS	NS	NS	<0.044	0.044 J	< 0.0121	< 0.0121	0.031 J	0.0236 J	<0.042	0.042	0.0152 J	<0.043	< 0.0121	0.0201 J	< 0.0121	0.0284 J
Naphthalene	µg/L	NS	NS	100	10	<1.1	0.024 J	< 0.026	< 0.03	< 0.026	< 0.03	<1	< 0.026	1.28	<1.1	0.032 J	0.058 J	0.036 J	0.054 J
Phenanthrene	µg/L	NS	NS	NS	NS	<0.044	0.069	0.0298 J	0.0209 J	0.0246 J	0.0239 J	0.1 J	0.155	0.111	<0.043	< 0.0143	0.037 J	0.0166 J	0.0304 J
Pyrene	µg/L	NS	NS	250	50	<0.11	0.199	0.036 J	0.049	0.069	0.052	<0.1	0.178	0.058	<0.11	< 0.0121	0.0267 J	0.123	0.217

- Notes:
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 - NR 140 PAL = Wisconsin Administrative Code, Chapter NR 140 Preventive Action Limit
 - NS = no standard
 - µg/L = micrograms per liter (equivalent to parts per billion, ppb)
 - Laboratory flags: "J" = Analyte detected between Limit of Detection and Limit of Quantitation
 - NT = not tested
 - 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 BTEX less than LOD
Trip blank 1/10/2020 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	TG4-3				TG5-1				TG5-2			TG5-3			
Date:	9/29/10					4/3/13	10/8/19	12/31/19	9/29/10	4/3/13	10/2/19	1/7/20	10/7/19	1/7/20	DUP #6 1/7/20	9/29/10	4/3/13	10/2/19	12/31/19	
BTEX																				
Benzene	µg/L	0.67	0.067	5	0.5	<0.2	<0.27	< 0.22	< 0.22	<0.2	<0.27	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	<0.2	<0.27	< 0.22	< 0.22
Ethylbenzene	µg/L	1360.0	272.0	700	140	<0.2	<0.82	< 0.26	< 0.26	<0.2	<0.82	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	<0.2	<0.82	< 0.26	< 0.26
Xylenes, Total	µg/L	620.0	124.0	10,000	1,000	<0.6	<2.41	< 0.72	< 0.72	<0.6	<2.41	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	<0.6	<2.41	< 0.72	< 0.72
Toluene	µg/L	343.0	68.6	1,000	200	<0.2	<0.8	< 0.19	< 0.19	<0.2	<0.8	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	<0.2	<0.8	< 0.19	< 0.19
PAHs																				
Acenaphthene	µg/L	NS	NS	NS	NS	<0.52	<0.021	< 0.0094	0.0135 J	<0.52	<0.021	< 0.0094	< 0.0094	0.036	0.036	NT	<0.52	<0.021	< 0.0094	0.0149 J
Acenaphthylene	µg/L	NS	NS	NS	NS	<1	0.021 J	< 0.0156	0.0227 J	<1	<0.02	< 0.0156	< 0.0156	0.17	0.095	NT	<1	<0.02	< 0.0156	0.0188 J
Anthracene	µg/L	NS	NS	3,000	600	<0.021	0.127	0.12	0.078	<0.021	0.054 J	0.038 J	0.0294 J	0.32	0.12	NT	<0.021	0.087	0.046 J	0.073
Benzo(a)anthracene	µg/L	NS	NS	NS	NS	<0.01	0.033 J	0.0208 J	0.0313 J	<0.01	<0.025	0.074	0.0224 J	0.082	0.055 J	NT	<0.01	<0.025	0.0239 J	0.062 J
Benzo(a)pyrene	µg/L	NS	NS	0.2	0.02	<0.01	0.024 J	< 0.0167	0.0235 J	<0.01	<0.018	< 0.0167	< 0.0167	0.166	0.091	NT	<0.01	<0.018	< 0.0167	0.044 J
Benzo(b)fluoranthene	µg/L	NS	NS	0.2	0.02	<0.0084	0.044 J	< 0.016	0.0315 J	<0.0084	<0.02	0.056	< 0.016	0.217	0.10	NT	<0.0084	<0.02	0.0187 J	0.06
Benzo(ghi)perylene	µg/L	NS	NS	NS	NS	<0.063	0.042 J	0.0152 J	0.0285 J	<0.063	<0.023	0.034 J	0.0151 J	0.288	0.152	NT	<0.062	<0.023	< 0.0142	0.049
Benzo(k)fluoranthene	µg/L	NS	NS	NS	NS	<0.0084	<0.027	< 0.0146	0.0227 J	<0.0084	<0.027	0.051	< 0.0146	0.06	0.027 J	NT	<0.0083	<0.027	< 0.0146	0.054
Chrysene	µg/L	NS	NS	0.2	0.02	<0.063	0.023 J	< 0.0157	0.0263 J	<0.063	<0.018	0.065	< 0.0157	0.074	0.041 J	NT	<0.062	<0.018	< 0.0157	0.061
Dibenzo(a,h)anthracene	µg/L	NS	NS	NS	NS	<0.021	<0.023	< 0.0173	< 0.0173	<0.021	<0.023	0.0265 J	< 0.0173	0.057	0.0225 J	NT	<0.021	<0.023	< 0.0173	0.042 J
Fluoranthene	µg/L	NS	NS	400	80	<0.021	0.083 J	0.025 J	0.034	<0.021	<0.026	0.051	0.0097 J	0.218	0.101	NT	0.051 J	0.096	0.0176 J	0.047
Fluorene	µg/L	NS	NS	400	80	<0.1	<0.02	< 0.0079	0.0165 J	<0.1	<0.02	< 0.0079	0.0088 J	< 0.0079	< 0.0079	NT	<0.1	<0.02	< 0.0079	0.0154 J
Indeno(1,2,3-cd)pyrene	µg/L	NS	NS	NS	NS	<0.042	<0.027	< 0.0121	0.0215 J	<0.042	<0.027	0.0278 J	< 0.0121	0.164	0.098	NT	<0.041	<0.027	< 0.0121	0.046
Naphthalene	µg/L	NS	NS	100	10	<1	<0.023	0.048 J	0.051 J	<1	<0.023	< 0.026	< 0.03	0.222	< 0.03	NT	<1	<0.023	< 0.026	0.045 J
Phenanthrene	µg/L	NS	NS	NS	NS	<0.042	0.037 J	< 0.0143	0.0232 J	<0.042	0.027 J	< 0.0143	< 0.0143	0.0223 J	0.018 J	NT	<0.041	0.027 J	< 0.0143	0.0249 J
Pyrene	µg/L	NS	NS	250	50	<0.1	0.071 J	0.0245 J	0.034 J	<0.1	<0.025	0.051	0.0122 J	0.229	0.117	NT	<0.1	0.103	0.0242 J	0.057

- 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 BTEX less than LOD
Trip blank 1/10/2020 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	TG6-1				TG6-2		TG6-3				PZ-01		PZ-02			
						9/29/10	4/3/13	10/3/19	12/31/19	10/3/19	1/10/20	9/29/10	4/3/13	10/3/19	12/31/19	10/3/19	1/7/20	4/4/13	10/4/19	1/7/20	DUP #1 1/7/20
Date:																					
BTEX																					
Benzene	µg/L	0.67	0.067	5	0.5	<0.2	<0.27	< 0.22	< 0.22	< 0.22	< 0.22	<0.2	<0.27	< 0.22	< 0.22	< 0.22	< 0.22	<0.27	< 0.22	< 0.22	< 0.22
Ethylbenzene	µg/L	1360.0	272.0	700	140	<0.2	<0.82	< 0.26	< 0.26	< 0.26	< 0.26	<0.2	<0.82	< 0.26	< 0.26	< 0.26	< 0.26	<0.82	< 0.26	< 0.26	< 0.26
Xylenes, Total	µg/L	620.0	124.0	10,000	1,000	<0.6	<2.41	< 0.72	< 0.72	< 0.72	< 0.72	<0.6	<2.41	< 0.72	< 0.72	< 0.72	< 0.72	<2.41	1.13 J	0.78 J	0.85 J
Toluene	µg/L	343.0	68.6	1,000	200	<0.2	<0.8	< 0.19	< 0.19	< 0.19	< 0.19	<0.2	<0.8	< 0.19	< 0.19	< 0.19	< 0.19	<0.8	< 0.19	< 0.19	< 0.19
PAHs																					
Acenaphthene	µg/L	NS	NS	NS	NS	0.63 J	0.232	0.277	0.35	0.0108 J	0.0191 J	<0.52	<0.021	< 0.0094	0.0098 J	< 0.0094	< 0.0094	79	108	157	NT
Acenaphthylene	µg/L	NS	NS	NS	NS	<1.1	<0.02	< 0.0156	< 0.0156	< 0.0156	< 0.0156	<1	<0.02	< 0.0156	< 0.0156	< 0.0156	< 0.0156	1.01 J	1.00	2.14	NT
Anthracene	µg/L	NS	NS	3,000	600	0.023 J	0.031 J	0.0204 J	0.032 J	0.041 J	0.0236 J	<0.021	0.042 J	0.019 J	0.0258 J	< 0.015	< 0.015	<0.4	< 0.3	< 0.30	NT
Benzo(a)anthracene	µg/L	NS	NS	NS	NS	<0.011	<0.025	0.0261 J	0.054 J	0.044	0.0265 J	<0.01	<0.025	0.0145 J	0.0238 J	0.0181 J	< 0.02	<0.5	< 0.262	< 0.40	NT
Benzo(a)pyrene	µg/L	NS	NS	0.2	0.02	<0.011	<0.018	< 0.0167	<i>0.042 J</i>	< 0.0167	< 0.0167	<0.01	<0.018	< 0.0167	< 0.0167	< 0.0167	< 0.0167	<0.36	< 0.334	< 0.334	NT
Benzo(b)fluoranthene	µg/L	NS	NS	0.2	0.02	<0.0091	<0.02	0.0192 J	<i>0.048 J</i>	<i>0.037 J</i>	< 0.016	<0.0084	<0.02	< 0.016	0.0163 J	< 0.016	< 0.016	<0.4	< 0.32	< 0.32	NT
Benzo(ghi)perylene	µg/L	NS	NS	NS	NS	<0.068	<0.023	0.0195 J	0.043 J	< 0.0142	< 0.0142	<0.063	<0.023	< 0.0142	< 0.0142	< 0.0142	< 0.0142	<0.46	< 0.284	< 0.284	NT
Benzo(k)fluoranthene	µg/L	NS	NS	NS	NS	<0.0091	<0.07	0.0157 J	0.048	< 0.0146	< 0.0146	<0.0084	<0.027	< 0.0146	< 0.0146	< 0.0146	< 0.0146	<0.54	< 0.292	< 0.292	NT
Chrysene	µg/L	NS	NS	0.2	0.02	<0.068	<0.018	0.018 J	<i>0.051</i>	<0.063	<0.0157	<0.063	<0.018	< 0.0157	0.0163 J	< 0.0157	< 0.0157	<0.36	< 0.314	< 0.314	NT
Dibenzo(a,h)anthracene	µg/L	NS	NS	NS	NS	<0.023	<0.023	< 0.0173	0.04 J	< 0.0173	< 0.0173	<0.021	<0.023	< 0.0173	< 0.0173	< 0.0173	< 0.0173	<0.46	< 0.346	< 0.346	NT
Fluoranthene	µg/L	NS	NS	400	80	0.047 J	0.069 J	0.0286	0.042	0.18	0.067	0.083 J	0.069 J	0.036	0.043	0.0133 J	< 0.0088	<0.52	< 0.176	< 0.176	NT
Fluorene	µg/L	NS	NS	400	80	0.22 J	0.048 J	0.0278	0.0307	< 0.0079	0.0181 J	<0.1	<0.02	< 0.0079	0.0106 J	< 0.0079	< 0.0079	3.6	29.8	43.0	NT
Indeno(1,2,3-cd)pyrene	µg/L	NS	NS	NS	NS	<0.045	<0.027	0.0145 J	0.039	< 0.0121	< 0.0121	<0.042	<0.027	< 0.0121	0.0124 J	< 0.0121	< 0.0121	<0.54	< 0.242	< 0.242	NT
Naphthalene	µg/L	NS	NS	100	10	<1.1	<0.023	< 0.026	0.042 J	< 0.026	0.049 J	<1	<0.023	< 0.026	0.041 J	< 0.026	< 0.03	1.79	<i>19.4</i>	<i>30.1</i>	NT
Phenanthrene	µg/L	NS	NS	NS	NS	<0.045	0.025 J	< 0.0143	0.0204 J	< 0.0143	0.0161 J	<0.042	0.021 J	< 0.0143	0.0187 J	< 0.0143	< 0.0143	<0.36	< 0.286	< 0.286	NT
Pyrene	µg/L	NS	NS	250	50	<0.11	0.055 J	0.0222 J	0.039	0.148	0.07	<0.1	0.052 J	0.026 J	0.036 J	0.0134 J	< 0.0121	<0.5	< 0.242	< 0.242	NT

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 - µg/L = micrograms per liter (equivalent to parts per billion, ppb)
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 - Exceedances:
 - BOLD** = Concentration exceeds NR 140 ES
 - ITALICS* = Concentration exceeds NR 140 PAL
 - BOLD** = Concentration exceeds EPA ROD ES
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Trip blank 12/31/19 BTEX less than LOD
Trip blank 1/10/2020 BTEX less than LOD

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

Well Location: Date:		EPA ROD ES	EPA ROD PAL	NR 140 ES	NR 140 PAL	PZ-03				PZ-04		PZ-05		PZ-06		PZ-09R				
						4/4/13	10/9/19	1/8/20	DUP #2 1/8/20	10/2/19	1/3/20	10/7/19	1/3/20	10/3/19	1/3/20	10/4/19	DUP #2 10/4/19		1/7/20	DUP #3 1/7/20
BTEX																				
Benzene	µg/L	0.67	0.067	5	0.5	<i>0.44 J</i>	2.02	1.45	1.38	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	
Ethylbenzene	µg/L	1360.0	272.0	700	140	2.68	10.7	54	53	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	
Xylenes, Total	µg/L	620.0	124.0	10,000	1,000	1.92 J	34.1	68.9	68.3	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	
Toluene	µg/L	343.0	68.6	1,000	200	<0.8	1.01	1.36	1.37	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	
PAHs																				
Acenaphthene	µg/L	NS	NS	NS	NS	116	154	350	NT	< 0.0094	0.0132 J	0.0115 J	< 0.0094	< 0.0094	< 0.0094	< 0.0094	18.8	NT	31.4	NT
Acenaphthylene	µg/L	NS	NS	NS	NS	0.99 J	< 4.68	< 9.36	NT	< 0.0156	< 0.0156	< 0.0156	< 0.0156	< 0.0156	< 0.0156	< 0.0156	0.42	NT	0.77	NT
Anthracene	µg/L	NS	NS	3,000	600	2.37	< 4.5	< 9.00	NT	0.0187 J	0.032 J	0.0155 J	< 0.015	0.0205 J	0.0266 J	0.0205 J	1.86	NT	0.33 J	NT
Benzo(a)anthracene	µg/L	NS	NS	NS	NS	2.03	< 3.93	< 12.0	NT	0.0166 J	< 0.02	0.037 J	< 0.02	0.0149 J	< 0.02	0.0149 J	1.36	NT	0.76	NT
Benzo(a)pyrene	µg/L	NS	NS	0.2	0.02	0.71 J	< 5.01	< 10.02	NT	< 0.0167	< 0.0167	0.0177 J	< 0.0167	< 0.0167	< 0.0167	< 0.0167	0.36	NT	0.217 J	NT
Benzo(b)fluoranthene	µg/L	NS	NS	0.2	0.02	1.45	< 4.8	< 9.6	NT	< 0.016	< 0.016	<i>0.035 J</i>	< 0.016	< 0.016	< 0.016	< 0.016	0.85	NT	0.32 J	NT
Benzo(ghi)perylene	µg/L	NS	NS	NS	NS	<0.46	< 4.26	< 8.52	NT	< 0.0142	< 0.0142	0.0176 J	< 0.0142	< 0.0142	< 0.0142	< 0.0142	0.142 J	NT	< 0.142	NT
Benzo(k)fluoranthene	µg/L	NS	NS	NS	NS	<0.54	< 4.38	< 8.76	NT	< 0.0146	< 0.0146	< 0.0146	< 0.0146	< 0.0146	< 0.0146	< 0.0146	0.306	NT	0.147 J	NT
Chrysene	µg/L	NS	NS	0.2	0.02	1.47	< 4.71	< 9.42	NT	< 0.0157	< 0.0157	<i>0.0262 J</i>	< 0.0157	< 0.0157	< 0.0157	< 0.0157	1.06	NT	0.43 J	NT
Dibenzo(a,h)anthracene	µg/L	NS	NS	NS	NS	<0.46	< 5.19	< 10.38	NT	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0173	< 0.0865	NT	< 0.173	NT
Fluoranthene	µg/L	NS	NS	400	80	10.7	< 2.64	< 5.28	NT	0.0138 J	< 0.0088	0.031	< 0.0088	< 0.0088	0.0095 J	0.0095 J	7.00	NT	4.50	NT
Fluorene	µg/L	NS	NS	400	80	33	57.0	<i>110</i>	NT	< 0.0079	< 0.0079	< 0.0079	< 0.0079	< 0.0079	< 0.0079	< 0.0079	11.1	NT	6.90	NT
Indeno(1,2,3-cd)pyrene	µg/L	NS	NS	NS	NS	<0.54	< 3.63	< 7.26	NT	< 0.0121	< 0.0121	< 0.0121	< 0.0121	< 0.0121	< 0.0121	< 0.0121	0.099 J	NT	< 0.121	NT
Naphthalene	µg/L	NS	NS	100	10	<i>47</i>	1620	4000	NT	< 0.026	0.048 J	0.124	0.058 J	< 0.026	0.062 J	0.062 J	0.57	NT	1.03	NT
Phenanthrene	µg/L	NS	NS	NS	NS	1.87	11.0 J	37.0	NT	0.026 J	< 0.0143	0.018 J	< 0.0143	< 0.0143	0.0188 J	0.0188 J	0.61	NT	0.244 J	NT
Pyrene	µg/L	NS	NS	250	50	7.1	< 3.63	< 7.26	NT	0.0189 J	< 0.0121	0.029 J	< 0.0121	< 0.0121	< 0.0121	< 0.0121	4.80	NT	2.05	NT

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 - NR 140 ES = Wisconsin Administrative Code, Chapter NR 140 Enforcement Standard
 - NR 140 PAL = Wisconsin Administrative Code, Chapter NR 140 Preventive Action Limit
 - NS = no standard
 - µg/L = micrograms per liter (equivalent to parts per billion, ppb)
 - Laboratory flags: "J" = Analyte detected between Limit of Detection and Limit of Quantitation
 - NT = not tested
 - 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 BTEX less than LOD
Trip blank 1/10/2020 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-10			MW-A				MW-B				MW-C		MW-D		MW-E			
					Date:	4/4/13	10/9/19	1/3/20	9/30/10	4/4/13	10/9/19	1/3/20	9/27/10	4/5/13	1/10/20	DUP #5 1/10/20	9/27/10	4/5/13	9/27/10	4/5/13	9/30/10	4/5/13	1/10/20
BTEX																							
Benzene	µg/L	0.67	0.067	5	0.5	<0.27	< 0.22	< 0.22	<0.2	<0.27	< 0.22	< 0.22	<0.2	<0.27	< 0.22	< 0.22	<0.2	<0.27	<0.2	<0.27	<0.2	<0.27	< 0.22
Ethylbenzene	µg/L	1360.0	272.0	700	140	<0.82	< 0.26	< 0.26	<0.2	<0.82	< 0.26	< 0.26	<0.2	<0.82	< 0.26	< 0.26	<0.2	<0.82	<0.2	<0.82	<0.2	<0.82	< 0.26
Xylenes, Total	µg/L	620.0	124.0	10,000	1,000	<2.41	< 0.72	< 0.72	<0.6	<2.41	< 0.72	< 0.72	<0.6	<2.41	< 0.72	< 0.72	<0.6	<2.41	<0.6	<2.41	<0.6	<2.41	< 0.72
Toluene	µg/L	343.0	68.6	1,000	200	<0.8	< 0.19	< 0.19	<0.2	<0.8	< 0.19	< 0.19	<0.2	<0.8	< 0.19	< 0.19	<0.2	<0.8	<0.2	<0.8	<0.2	<0.8	< 0.19
PAHs																							
Acenaphthene	µg/L	NS	NS	NS	NS	5.2	2.95	4.60	<0.51	<0.021	0.037	< 0.0094	<0.53	<0.021	0.046	NT	<0.54	<0.021	<0.55	<0.021	<0.56	<0.021	< 0.0094
Acenaphthylene	µg/L	NS	NS	NS	NS	0.095	0.071	0.063	<1	<0.02	< 0.0156	< 0.0156	<1.1	<0.02	< 0.0156	NT	<1.1	<0.02	<1.1	<0.02	<1.1	<0.02	< 0.0156
Anthracene	µg/L	NS	NS	3,000	600	0.31	0.236	0.175	<0.021	0.025 J	0.0231 J	0.0224 J	<0.021	<0.02	< 0.015	NT	<0.022	<0.02	<0.022	<0.02	<0.022	<0.02	< 0.015
Benzo(a)anthracene	µg/L	NS	NS	NS	NS	0.128	0.075	< 0.02	<0.01	<0.025	0.0146 J	< 0.02	<0.011	<0.025	< 0.02	NT	<0.011	<0.025	<0.011	<0.025	<0.011	<0.025	< 0.02
Benzo(a)pyrene	µg/L	NS	NS	0.2	0.02	0.07	0.06	< 0.0167	<0.01	<0.018	< 0.0167	< 0.0167	<0.011	<0.018	< 0.0167	NT	<0.0111	<0.018	<0.011	<0.018	0.02 J	0.038 J	< 0.0167
Benzo(b)fluoranthene	µg/L	NS	NS	0.2	0.02	0.169	0.151	< 0.016	<0.0082	<0.02	< 0.016	< 0.016	<0.0086	<0.02	< 0.016	NT	<0.0087	0.039 J	<0.0088	<0.02	<0.009	0.063	< 0.016
Benzo(ghi)perylene	µg/L	NS	NS	NS	NS	0.108	0.14	< 0.0142	<0.062	<0.023	< 0.0142	< 0.0142	<0.064	<0.023	< 0.0142	NT	<0.065	0.026 J	<0.066	0.038 J	0.12 J	0.44	< 0.0142
Benzo(k)fluoranthene	µg/L	NS	NS	NS	NS	0.064 J	0.046 J	< 0.0146	<0.0082	<0.027	< 0.0146	< 0.0146	<0.0086	<0.027	< 0.0146	NT	<0.0087	<0.027	<0.0088	<0.027	<0.009	<0.027	< 0.0146
Chrysene	µg/L	NS	NS	0.2	0.02	0.132	0.083	< 0.0157	<0.062	<0.018	< 0.0157	< 0.0157	<0.064	<0.018	< 0.0157	NT	<0.065	0.028 J	<0.066	0.02 J	<0.067	<0.018	< 0.0157
Dibenzo(a,h)anthracene	µg/L	NS	NS	NS	NS	<0.023	< 0.0173	< 0.0173	<0.021	<0.023	< 0.0173	< 0.0173	<0.021	<0.023	< 0.0173	NT	<0.022	<0.023	<0.022	<0.023	<0.022	<0.023	< 0.0173
Fluoranthene	µg/L	NS	NS	400	80	0.41	0.179	0.05	<0.021	<0.026	< 0.0088	< 0.0088	<0.021	<0.026	< 0.0088	NT	<0.022	0.052 J	<0.022	<0.026	<0.022	<0.026	< 0.0088
Fluorene	µg/L	NS	NS	400	80	0.92	0.43	1.12	<0.1	<0.02	0.0125 J	< 0.0079	<0.11	<0.02	0.0245 J	NT	<0.11	<0.02	<0.11	<0.02	<0.11	<0.02	< 0.0079
Indeno(1,2,3-cd)pyrene	µg/L	NS	NS	NS	NS	0.071 J	0.082	< 0.0121	<0.041	<0.027	< 0.0121	< 0.0121	<0.043	<0.027	< 0.0121	NT	<0.043	<0.027	<0.044	<0.027	<0.045	0.094	< 0.0121
Naphthalene	µg/L	NS	NS	100	10	0.32	2.71	0.059 J	<1	<0.023	0.74	0.046 J	<1.1	0.034 J	0.40	NT	<1.1	<0.023	<1.1	<0.023	<1.1	<0.023	< 0.03
Phenanthrene	µg/L	NS	NS	NS	NS	1.36	0.072	0.125	<0.041	0.026 J	< 0.0143	< 0.0143	<0.043	0.037 J	0.0218 J	NT	<0.043	0.044 J	<0.044	<0.018	<0.045	0.018 J	< 0.0143
Pyrene	µg/L	NS	NS	250	50	0.299	0.154	0.0311 J	<0.1	0.025	< 0.0121	< 0.0121	<0.11	0.025	< 0.0121	NT	<0.11	0.046 J	<0.11	<0.025	<0.11	0.034 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 BTEX less than LOD
Trip blank 1/10/2020 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-F			MW-G		MW-H			MW-I		MW-J			MW-K	
					9/30/10	4/5/13	1/10/20	9/30/10	4/5/13	9/28/10	4/5/13	1/10/20	9/28/10	4/5/13	9/28/10	4/5/13	1/10/20	9/28/10	
BTEX																			
Benzene	µg/L	0.67	0.067	5	0.5	<0.2	<0.27	< 0.22	<0.2	<0.27	<0.2	<0.27	< 0.22	<0.2	<0.27	<0.2	<0.27	< 0.22	<0.2
Ethylbenzene	µg/L	1360.0	272.0	700	140	<0.2	<0.82	< 0.26	<0.2	<0.82	<0.2	<0.82	< 0.26	<0.2	<0.82	<0.2	<0.82	< 0.26	<0.2
Xylenes, Total	µg/L	620.0	124.0	10,000	1,000	<0.6	<2.41	< 0.72	<0.6	<2.41	<0.6	<2.41	< 0.72	<0.6	<2.41	<0.6	<2.41	< 0.72	<0.6
Toluene	µg/L	343.0	68.6	1,000	200	<0.2	<0.8	< 0.19	<0.2	<0.8	<0.2	<0.8	< 0.19	<0.2	<0.8	<0.2	<0.8	< 0.19	<0.2
PAHs																			
Acenaphthene	µg/L	NS	NS	NS	NS	<0.51	<0.021	< 0.0094	<0.51	<0.021	<0.52	<0.021	< 0.0094	<0.52	<0.021	<0.54	<0.021	0.0126 J	<0.53
Acenaphthylene	µg/L	NS	NS	NS	NS	<1	<0.02	< 0.0156	<1	<0.02	<1	<0.02	< 0.0156	<1	<0.02	<1.1	<0.02	< 0.0156	<1.1
Anthracene	µg/L	NS	NS	3,000	600	<0.021	<0.02	< 0.015	<0.02	<0.02	<0.021	<0.02	< 0.015	<0.021	<0.02	<0.021	<0.02	< 0.015	0.022 J
Benzo(a)anthracene	µg/L	NS	NS	NS	NS	<0.01	0.03 J	< 0.02	<0.01	<0.025	<0.01	0.053 J	0.0264 J	<0.01	0.055 J	<0.011	0.026 J	< 0.02	<0.011
Benzo(a)pyrene	µg/L	NS	NS	0.2	0.02	<0.01	0.039 J	< 0.0167	<0.01	<0.018	<0.01	0.049 J	0.0192 J	<0.01	0.093	<0.011	0.025 J	< 0.0167	<0.011
Benzo(b)fluoranthene	µg/L	NS	NS	0.2	0.02	<0.0082	0.065	< 0.016	<0.0082	<0.02	<0.0083	0.107	0.036 J	<0.0084	0.222	<0.0086	0.055 J	< 0.016	<0.0085
Benzo(ghi)perylene	µg/L	NS	NS	NS	NS	<0.062	0.188	0.0282 J	<0.061	0.047 J	<0.062	0.107	0.0235 J	<0.063	0.152	<0.064	0.054 J	< 0.0142	<0.064
Benzo(k)fluoranthene	µg/L	NS	NS	NS	NS	<0.0082	<0.027	< 0.0146	<0.0082	<0.027	<0.0083	<0.027	< 0.0146	<0.0084	0.071 J	<0.0086	<0.027	< 0.0146	<0.0085
Chrysene	µg/L	NS	NS	0.2	0.02	<0.062	0.06	< 0.0157	<0.061	<0.018	<0.062	0.082	0.0187 J	<0.063	0.111	<0.064	0.038 J	< 0.0157	<0.064
Dibenzo(a,h)anthracene	µg/L	NS	NS	NS	NS	<0.021	<0.023	< 0.0173	<0.02	<0.023	<0.021	<0.023	< 0.0173	<0.021	<0.023	<0.021	<0.023	< 0.0173	<0.021
Fluoranthene	µg/L	NS	NS	400	80	<0.021	0.087	0.0088 J	<0.02	<0.026	<0.021	0.153	0.034	<0.021	0.196	<0.021	0.061 J	0.0104 J	<0.021
Fluorene	µg/L	NS	NS	400	80	<0.1	<0.02	< 0.0079	<0.1	<0.02	<0.1	<0.02	< 0.0079	<0.1	<0.02	<0.11	<0.02	< 0.0079	<0.11
Indeno(1,2,3-cd)pyrene	µg/L	NS	NS	NS	NS	<0.041	0.04 J	< 0.0121	<0.041	<0.027	<0.042	0.041 J	0.0172 J	<0.042	0.093	<0.043	<0.027	< 0.0121	<0.043
Naphthalene	µg/L	NS	NS	100	10	<1	0.027 J	0.04 J	<1	<0.023	<1	<0.023	0.128	<1	<0.023	<1.1	0.032 J	0.163	<1.1
Phenanthrene	µg/L	NS	NS	NS	NS	<0.041	0.062	< 0.0143	<0.041	0.02 J	<0.042	0.044 J	0.0205 J	<0.042	0.087	<0.043	0.047 J	0.0157 J	<0.043
Pyrene	µg/L	NS	NS	250	50	<0.1	0.127	0.0166 J	<0.1	0.033 J	<0.1	0.15	0.0294 J	<0.1	0.16	<0.11	0.058 J	< 0.0121	<0.11

Notes:

- EPA ROD ES = Enforcement Standard within the EPA's 1990 Record of Decision for Moss America
- EPA ROD PAL = Preventive Action Limit within the EPA's 1990 Record of Decision for Moss America
- NR 140 ES = Wisconsin Administrative Code, Chapter NR 140 Enforcement Standard
- NR 140 PAL = Wisconsin Administrative Code, Chapter NR 140 Preventive Action Limit
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- µg/L = micrograms per liter (equivalent to parts per billion, ppb)
- Laboratory flags: "J" = Analyte detected between Limit of Detection and Limit of Quantitation
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- Exceedances:
 - BOLD** = Concentration exceeds NR 140 ES
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 - BOLD** = Concentration exceeds EPA ROD ES
 - ITALICS* = Concentration exceeds EPA ROD PAL

Trip blank 12/31/19 BTEX less than LOD
Trip blank 1/10/2020 BTEX less than LOD

Attachment 1

Investigative Waste Manifests – September/October 2019

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number W I D 0 3 9 0 5 2 6 2 6	2. Page 1 of 1	3. Emergency Response Phone (877) 818-0087	4. Manifest Tracking Number 001688526 VES				
		5. Generator's Name and Mailing Address WISCONSIN DNR - MOSS-AMERICA CO 1155 PILGRIM ROAD PLYMOUTH, WI 53073		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 N J D 0 8 0 6 3 1 3 6 9							
7. Transporter 2 Company Name		U.S. EPA ID Number							
8. Designated Facility Name and Site Address US ECOLOGY WAYNE DISPOSAL 49350 N194 SERVICE DRIVE BELLEVILLE, MI 48111		U.S. EPA ID Number M I D 0 4 8 0 9 0 6 3 3							
Facility's Phone: 800 592-5489									
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes			
		No.	Type						
<input checked="" type="checkbox"/>	1. NA3077, HAZARDOUS WASTE, SOLID, n.o.s., (K001, F034), 9. III, RQ	6	DM	330	0	F034	K001		
	2.								
	3.								
	4.								
14. Special Handling Instructions and Additional Information (18667) BILL TO: VEOLIA, PO #0036210-W38 ER Services Contracted by VESTS - 1) W:065128 A.WAY K164330WDI (WOOD TREATMENT SOIL)									
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/Offoror's Printed/Typed Name THOMAS A. WENTLAND		Signature <i>Thomas A. Wentland</i>			Month 11	Day 15	Year 17		
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____									
17. Transporter Acknowledgment of Receipt of Materials									
Transporter 1 Printed/Typed Name Bob Hart		Signature <i>Bob Hart</i>			Month 11	Day 15	Year 17		
Transporter 2 Printed/Typed Name		Signature			Month	Day	Year		
18. Discrepancy									
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection									
18b. Alternate Facility (or Generator)				Manifest Reference Number:					
Facility's Phone:				U.S. EPA ID Number					
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

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number W I D 0 3 9 0 5 2 6 2 6	2. Page 1 of 1	3. Emergency Response Phone (877) 818-0087	4. Manifest Tracking Number 001688525 VES		
		5. Generator's Name and Mailing Address TOM WENTLAND (DNR) WISCONSIN DNR - MOSS-AMERICA CO 1155 PILGRIM ROAD PLYMOUTH, WI 53673		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 N I D 0 8 0 6 3 1 3 6 9		7. Transporter 2 Company Name U.S. EPA ID Number			
8. Designated Facility Name and Site Address VEOLIA ES TECHNICAL SOLUTIONS HIGHWAY 73 3.5 MILES W. OF TAYLOR'S BAYOU PORT ARTHUR, TX 77640		Facility's Phone: 409 736-2621		U.S. EPA ID Number T X D 0 0 0 5 3 2 8 9 6			
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit WL/Vol.	13. Waste Codes	
		No.	Type				
X	1. NA3082, HAZARDOUS WASH. LIQUID, n.o.s., (K001, F034, 9, III, RQ)	8	DM	440	0	F034	K001
	2.						OUTSIDE
	3.						
	4.						
14. Special Handling Instructions and Additional Information PO #13887. RR Service Contracted by VESTS (0056210-W38) + 1) W 657967 A PTA657967L (GROUNDWATER)							
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/Offoror's Printed/Typed Name THOMAS A. WENTLAND		Signature <i>Thomas Wentland</i>		Month 11	Day 15	Year 11	
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____							
17. Transporter Acknowledgment of Receipt of Materials							
Transporter 1 Printed/Typed Name ...		Signature <i>...</i>		Month 11	Day 15	Year 11	
Transporter 2 Printed/Typed Name		Signature		Month	Day	Year	
18. Discrepancy							
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
18b. Alternate Facility (or Generator) Manifest Reference Number: _____ U.S. EPA ID Number							
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	

Transportation Activity Report

JOB NO: 3382676000
 BILL DOC NO WP91024708
 GENERATOR NO 639076

WO NO: 3382678999
 EPA ID: WID039852626

BILL TO: WISC DEPT OF NATURAL RESOURCES
 1155 PILGRIM RD
 PLYMOUTH, WI 53073-4294
 (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):

001688525VES, 001688526VES

CUSTOMER P.O. NUMBER	PROJECT NUMBER	SHIP DATE				TERR.
18887		11/01/2019				W38
DESCRIPTION	# CONT.	CONT./CODE	QTY	UOM	PG/LN	WASTE AREA
Manifest # 001688525VES WIP 657967 / Approval PTA657967L GROUNDWATER : 3:00 PM 3:00 PM	-10 8	551A2-DM	550 440	G	1 / 1	
Manifest # 001688526VES WIP 665128 / Approval WAY K164530WDI WOOD TREATMENT SOIL	6	551A2-DM	330	G	1 / 1	
Misc. - 223-1 Environmental Fees (EACH)		1440	6	EACH	11/15/19	
Misc. - 221f-1 Hazardous Waste Manifest Fee (EPA e-manifest Fee) (EACH)		6776	2	EACH	11/15/19	
Misc. - LTL STOP CHARGE 051-100 MILES		3940	1	EACH		
Misc. - 207-1 Loading/Unloading Demurrage (HOUR)		1243	1	HOUR		

Total Hours: 1
 # of Containers: 164
 Total Gallons: 880

770

Veolia Environmental Solutions is permitted for and has capacity to accept waste listed above in container quantities.

Transportation Activity Report

JOB NO: 3382676000
 BILL DOC NO WP91024708
 GENERATOR NO 639076

WO NO: 3382676999
 EPA ID: WID036052626

BILL TO: WISC DEPT OF NATURAL RESOURCES
 1155 PILGRIM RD
 PLYMOUTH, WI 53073-4204
 (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):

001688525VES, 001688526VES

CUSTOMER P.O. NUMBER	PROJECT NUMBER	SHIP DATE	TERR.
18687		11/01/2019	W39

TOTAL LOADING DEMURRAGE (HRS)	COMMENTS	TOTAL UNLOADING DEMURRAGE (HRS)
START TIME: 1:30 PM END TIME: 3:00 PM TOTAL (HRS): 1.5 hr	UNIT IN #: _____ UNIT OUT #: _____ WASHOUT: YES / NO USED: 0 / 1 / 2 / 3 LINERS	START TIME: _____ END TIME: _____ TOTAL (HRS): _____

SIGNATURES		DATE
CUSTOMER	<i>Andrew Long</i>	11/15/19
DRIVER	<i>Butt Nat</i>	11/15/19

COMMENTS OR DELAY EXPLANATIONS:

Veolia Environmental Solutions is permitted for and has capacity to accept waste listed above in container quantities.

Attachment 2

Investigative Waste Manifests – December 2019/January 2020

Please print or type.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number <i>W1 D 0 3 9 0 5 2 6 2 6</i>		2. Page 1 of <i>1</i>		3. Emergency Response Phone <i>(877) 818-0087</i>		4. Manifest Tracking Number 001852644 VES				
		5. Generator's Name and Mailing Address <i>TOM WENTLAND (DNR) WISCONSIN DNR - MOSS-AMERICA CO 1155 PILGRIM ROAD PLYMOUTH, WI 53073</i>						Generator's Site Address (if different than mailing address) <i>8716 GRANVILLE RD MILWAUKEE, WI 53224</i>				
6. Transporter 1 Company Name <i>VEOLIA ES TECHNICAL SOLUTIONS</i>		U.S. EPA ID Number <i>N I D 0 8 0 6 3 1 3 6 9</i>										
7. Transporter 2 Company Name		U.S. EPA ID Number										
8. Designated Facility Name and Site Address <i>VEOLIA ES TECHNICAL SOLUTIONS HIGHWAY 73 3.5 MILES W. OF TAYLOR'S BAYOU PORT ARTHUR, TX 77640</i>		U.S. EPA ID Number <i>T X D 0 0 0 8 3 8 8 9 6</i>										
Facility's Phone: <i>409 736-7521</i>												
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))				10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
						No.	Type					
	<i>X</i>	<i>1. NA3082, HAZARDOUS WASTE, LIQUID, n.o.s., (K001, F034), 9, III, RQ</i>				<i>5</i>	<i>DM</i>	<i>2201</i>	<i>P</i>	<i>F034</i>	<i>K001</i>	<i>Q158;1981</i>
		<i>2.</i>										
		<i>3.</i>										
	<i>4.</i>											
14. Special Handling Instructions and Additional Information <i>ER Service Contracted by VESTS - CRU6190 WI Field Services - Contract retained by generator confer agency authority on initial transporter to add or substitute additional transporters on generator's behalf *STATE WASTE* - I) ERG 171 W.657967 A PTA657967L</i>												
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 <i>X Tom Wentland Brett Horta on behalf of</i>						Signature <i>[Signature]</i>			Month	Day	Year	
									<i>1</i>	<i>31</i>	<i>20</i>	
TRANSPORTER INT'L	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____											
	17. Transporter Acknowledgment of Receipt of Materials											
	Transporter 1 Printed/Typed Name <i>Brett Horta</i>						Signature <i>[Signature]</i>			Month	Day	Year
									<i>1</i>	<i>31</i>	<i>20</i>	
Transporter 2 Printed/Typed Name						Signature			Month	Day	Year	
DESIGNATED FACILITY	18. Discrepancy											
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> 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	

Activity Report

JOB NO: 3443195000
BILL DOC NO WA00130578
GENERATOR NO 639076

WO NO: 3443195000
EPA ID: WMD039052626

BILL TO: MSC DEPT OF NATURAL RESOURCES
1155 PILGRIM RD
PLYMOUTH, WI 53073-4294
(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):
001852644VES

CUSTOMER P.O. NUMBER	PROJECT NUMBER	SHIP DATE	TERR.			
		01/31/2020	W38			
DESCRIPTION	# CONT.	CONT./CODE	QTY	UOM	PG/LN	WASTE AREA
Manifest # 001852644VES WP 857967 / Approval PTA857967L GROUNDWATER	5	551A2-DM	2201	P	1 / 1	

Total Hours: 0

Veolia Environmental Solutions is permitted for and has capacity to accept waste listed above in container quantities.

Activity Report

JOB NO: 3443195000
 BILL DOC NO: WA00130578
 GENERATOR NO: 639076

WO NO: 3443195000
 EPA ID: WMD039052828

BILL TO: WISC DEPT OF NATURAL RESOURCES
 1155 PILGRIM RD
 PLYMOUTH, WI 53073-4294
 (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.			
		01/31/2020	W38			
DESCRIPTION	# CONT.	CONT./CODE	QTY	UDM	PG/LN	WASTE AREA
01/30/2020 Manpwr.- FIELD SUPERVISOR		125	1@1.5	HOUR	/	
01/30/2020 Manpwr.- FIELD TECHNICIAN		3175	1@1.5	HOUR	/	
01/30/2020 Misc. - 220-1 MANIFEST FEE (EACH)		6776	1	EACH	/	
01/30/2020 Misc. - LTL STOP CHARGE 000-050 MILES		3939	1	EACH	/	
		Total Hours:	3			

Veolia Environmental Solutions is permitted for and has capacity to accept waste listed above in container quantities.

Activity Report

JOB NO: 3443195000
BILL DOC NO WA00130578
GENERATOR NO 639076

WO NO: 3443195000
EPA ID: WMD039052628

BILL TO: WISC DEPT OF NATURAL RESOURCES
1155 PILGRIM RD
PLYMOUTH, WI 53073-4294
(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.
		01/31/2020	W38

Comments:

Veolia ES Technical Solutions appreciates your business! Your work today was led by Brett Harto (Environmental Specialist III) 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.veolianoorthamerica.com/en/media/media/newsletters>

Signature: Brett Harto on behalf of

Print Name: Brett Harto on behalf of

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 the list when providing transportation services to Customer. If Customer does not provide an approved transporter list in writing to Contractor at the time Customer executes this Agreement, Customer authorizes Contractor to select any permitted transporter to provide transportation services to Customer.

Veolia Environmental Solutions is permitted for and has capacity to accept waste listed above in container quantities.

Attachment 3

Laboratory Reports

Synergy Environmental Lab, INC

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

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

Report Date 08-Jan-20

Project Name MOSS AMERICA
Project # 18687

Invoice # E37346

Lab Code 5037346A
Sample ID MW-9S
Sample Matrix Water
Sample Date 12/31/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		1/3/2020	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		1/3/2020	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		1/3/2020	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		1/3/2020	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		1/3/2020	CJR	1
PAH SIM										
Acenaphthene	< 0.0094	ug/l	0.0094	0.03	1	M8270C	1/7/2020	1/7/2020	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	1/7/2020	1/7/2020	NJC	1
Anthracene	0.0255 "J"	ug/l	0.015	0.0478	1	M8270C	1/7/2020	1/7/2020	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	1/7/2020	1/7/2020	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	1/7/2020	1/7/2020	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	1/7/2020	1/7/2020	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	1/7/2020	1/7/2020	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	1/7/2020	1/7/2020	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	1/7/2020	1/7/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	1/7/2020	1/7/2020	NJC	1
Fluoranthene	< 0.0088	ug/l	0.0088	0.0281	1	M8270C	1/7/2020	1/7/2020	NJC	1
Fluorene	0.0083 "J"	ug/l	0.0079	0.0251	1	M8270C	1/7/2020	1/7/2020	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	1/7/2020	1/7/2020	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	1/7/2020	1/7/2020	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	1/7/2020	1/7/2020	NJC	1
Naphthalene	0.037 "J"	ug/l	0.03	0.1	1	M8270C	1/7/2020	1/7/2020	NJC	1
Phenanthrene	< 0.0143	ug/l	0.0143	0.0456	1	M8270C	1/7/2020	1/7/2020	NJC	1
Pyrene	< 0.0121	ug/l	0.0121	0.0386	1	M8270C	1/7/2020	1/7/2020	NJC	1

Project Name MOSS AMERICA
Project # 18687

Invoice # E37346

Lab Code 5037346B
Sample ID TG6-1
Sample Matrix Water
Sample Date 12/31/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		1/3/2020	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		1/3/2020	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		1/3/2020	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		1/3/2020	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		1/3/2020	CJR	1
PAH SIM										
Acenaphthene	0.35	ug/l	0.0094	0.03	1	M8270C	1/7/2020	1/7/2020	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	1/7/2020	1/7/2020	NJC	1
Anthracene	0.032 "J"	ug/l	0.015	0.0478	1	M8270C	1/7/2020	1/7/2020	NJC	1
Benzo(a)anthracene	0.054 "J"	ug/l	0.02	0.067	1	M8270C	1/7/2020	1/7/2020	NJC	1
Benzo(a)pyrene	0.042 "J"	ug/l	0.0167	0.0531	1	M8270C	1/7/2020	1/7/2020	NJC	1
Benzo(b)fluoranthene	0.048 "J"	ug/l	0.016	0.0509	1	M8270C	1/7/2020	1/7/2020	NJC	1
Benzo(g,h,i)perylene	0.043 "J"	ug/l	0.0142	0.0451	1	M8270C	1/7/2020	1/7/2020	NJC	1
Benzo(k)fluoranthene	0.048	ug/l	0.0146	0.0463	1	M8270C	1/7/2020	1/7/2020	NJC	1
Chrysene	0.051	ug/l	0.0157	0.0499	1	M8270C	1/7/2020	1/7/2020	NJC	1
Dibenzo(a,h)anthracene	0.04 "J"	ug/l	0.0173	0.0549	1	M8270C	1/7/2020	1/7/2020	NJC	1
Fluoranthene	0.042	ug/l	0.0088	0.0281	1	M8270C	1/7/2020	1/7/2020	NJC	1
Fluorene	0.0307	ug/l	0.0079	0.0251	1	M8270C	1/7/2020	1/7/2020	NJC	1
Indeno(1,2,3-cd)pyrene	0.039	ug/l	0.0121	0.0385	1	M8270C	1/7/2020	1/7/2020	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	1/7/2020	1/7/2020	NJC	1
2-Methyl naphthalene	0.0229 "J"	ug/l	0.0186	0.059	1	M8270C	1/7/2020	1/7/2020	NJC	1
Naphthalene	0.042 "J"	ug/l	0.03	0.1	1	M8270C	1/7/2020	1/7/2020	NJC	1
Phenanthrene	0.0204 "J"	ug/l	0.0143	0.0456	1	M8270C	1/7/2020	1/7/2020	NJC	1
Pyrene	0.039	ug/l	0.0121	0.0386	1	M8270C	1/7/2020	1/7/2020	NJC	1

Project Name MOSS AMERICA
 Project # 18687

Invoice # E37346

Lab Code 5037346C
 Sample ID TG6-3
 Sample Matrix Water
 Sample Date 12/31/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		1/3/2020	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		1/3/2020	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		1/3/2020	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		1/3/2020	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		1/3/2020	CJR	1
PAH SIM										
Acenaphthene	0.0098 "J"	ug/l	0.0094	0.03	1	M8270C	1/7/2020	1/7/2020	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	1/7/2020	1/7/2020	NJC	1
Anthracene	0.0258 "J"	ug/l	0.015	0.0478	1	M8270C	1/7/2020	1/7/2020	NJC	1
Benzo(a)anthracene	0.0238 "J"	ug/l	0.02	0.067	1	M8270C	1/7/2020	1/7/2020	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	1/7/2020	1/7/2020	NJC	1
Benzo(b)fluoranthene	0.0163 "J"	ug/l	0.016	0.0509	1	M8270C	1/7/2020	1/7/2020	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	1/7/2020	1/7/2020	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	1/7/2020	1/7/2020	NJC	1
Chrysene	0.0163 "J"	ug/l	0.0157	0.0499	1	M8270C	1/7/2020	1/7/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	1/7/2020	1/7/2020	NJC	1
Fluoranthene	0.043	ug/l	0.0088	0.0281	1	M8270C	1/7/2020	1/7/2020	NJC	1
Fluorene	0.0106 "J"	ug/l	0.0079	0.0251	1	M8270C	1/7/2020	1/7/2020	NJC	1
Indeno(1,2,3-cd)pyrene	0.0124 "J"	ug/l	0.0121	0.0385	1	M8270C	1/7/2020	1/7/2020	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	1/7/2020	1/7/2020	NJC	1
2-Methyl naphthalene	0.0218 "J"	ug/l	0.0186	0.059	1	M8270C	1/7/2020	1/7/2020	NJC	1
Naphthalene	0.041 "J"	ug/l	0.03	0.1	1	M8270C	1/7/2020	1/7/2020	NJC	1
Phenanthrene	0.0187 "J"	ug/l	0.0143	0.0456	1	M8270C	1/7/2020	1/7/2020	NJC	1
Pyrene	0.036 "J"	ug/l	0.0121	0.0386	1	M8270C	1/7/2020	1/7/2020	NJC	1

Project Name MOSS AMERICA
 Project # 18687

Invoice # E37346

Lab Code 5037346D
 Sample ID TG5-3
 Sample Matrix Water
 Sample Date 12/31/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		1/3/2020	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		1/3/2020	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		1/3/2020	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		1/3/2020	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		1/3/2020	CJR	1
PAH SIM										
Acenaphthene	0.0149 "J"	ug/l	0.0094	0.03	1	M8270C	1/7/2020	1/7/2020	NJC	1
Acenaphthylene	0.0188 "J"	ug/l	0.0156	0.0495	1	M8270C	1/7/2020	1/7/2020	NJC	1
Anthracene	0.073	ug/l	0.015	0.0478	1	M8270C	1/7/2020	1/7/2020	NJC	1
Benzo(a)anthracene	0.062 "J"	ug/l	0.02	0.067	1	M8270C	1/7/2020	1/7/2020	NJC	1
Benzo(a)pyrene	0.044 "J"	ug/l	0.0167	0.0531	1	M8270C	1/7/2020	1/7/2020	NJC	1
Benzo(b)fluoranthene	0.06	ug/l	0.016	0.0509	1	M8270C	1/7/2020	1/7/2020	NJC	1
Benzo(g,h,i)perylene	0.049	ug/l	0.0142	0.0451	1	M8270C	1/7/2020	1/7/2020	NJC	1
Benzo(k)fluoranthene	0.054	ug/l	0.0146	0.0463	1	M8270C	1/7/2020	1/7/2020	NJC	1
Chrysene	0.061	ug/l	0.0157	0.0499	1	M8270C	1/7/2020	1/7/2020	NJC	1
Dibenzo(a,h)anthracene	0.042 "J"	ug/l	0.0173	0.0549	1	M8270C	1/7/2020	1/7/2020	NJC	1
Fluoranthene	0.047	ug/l	0.0088	0.0281	1	M8270C	1/7/2020	1/7/2020	NJC	1
Fluorene	0.0154 "J"	ug/l	0.0079	0.0251	1	M8270C	1/7/2020	1/7/2020	NJC	1
Indeno(1,2,3-cd)pyrene	0.046	ug/l	0.0121	0.0385	1	M8270C	1/7/2020	1/7/2020	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	1/7/2020	1/7/2020	NJC	1
2-Methyl naphthalene	0.0222 "J"	ug/l	0.0186	0.059	1	M8270C	1/7/2020	1/7/2020	NJC	1
Naphthalene	0.045 "J"	ug/l	0.03	0.1	1	M8270C	1/7/2020	1/7/2020	NJC	1
Phenanthrene	0.0249 "J"	ug/l	0.0143	0.0456	1	M8270C	1/7/2020	1/7/2020	NJC	1
Pyrene	0.057	ug/l	0.0121	0.0386	1	M8270C	1/7/2020	1/7/2020	NJC	1

Project Name MOSS AMERICA
 Project # 18687

Invoice # E37346

Lab Code 5037346E
 Sample ID MW37S
 Sample Matrix Water
 Sample Date 12/31/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		1/3/2020	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		1/3/2020	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		1/3/2020	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		1/3/2020	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		1/3/2020	CJR	1
PAH SIM										
Acenaphthene	0.036	ug/l	0.0094	0.03	1	M8270C	1/7/2020	1/7/2020	NJC	1
Acenaphthylene	0.042 "J"	ug/l	0.0156	0.0495	1	M8270C	1/7/2020	1/7/2020	NJC	1
Anthracene	0.053	ug/l	0.015	0.0478	1	M8270C	1/7/2020	1/7/2020	NJC	1
Benzo(a)anthracene	0.047 "J"	ug/l	0.02	0.067	1	M8270C	1/7/2020	1/7/2020	NJC	1
Benzo(a)pyrene	0.032 "J"	ug/l	0.0167	0.0531	1	M8270C	1/7/2020	1/7/2020	NJC	1
Benzo(b)fluoranthene	0.036 "J"	ug/l	0.016	0.0509	1	M8270C	1/7/2020	1/7/2020	NJC	1
Benzo(g,h,i)perylene	0.0296 "J"	ug/l	0.0142	0.0451	1	M8270C	1/7/2020	1/7/2020	NJC	1
Benzo(k)fluoranthene	0.038 "J"	ug/l	0.0146	0.0463	1	M8270C	1/7/2020	1/7/2020	NJC	1
Chrysene	0.042 "J"	ug/l	0.0157	0.0499	1	M8270C	1/7/2020	1/7/2020	NJC	1
Dibenzo(a,h)anthracene	0.032 "J"	ug/l	0.0173	0.0549	1	M8270C	1/7/2020	1/7/2020	NJC	1
Fluoranthene	0.041	ug/l	0.0088	0.0281	1	M8270C	1/7/2020	1/7/2020	NJC	1
Fluorene	0.046	ug/l	0.0079	0.0251	1	M8270C	1/7/2020	1/7/2020	NJC	1
Indeno(1,2,3-cd)pyrene	0.0294 "J"	ug/l	0.0121	0.0385	1	M8270C	1/7/2020	1/7/2020	NJC	1
1-Methyl naphthalene	0.042 "J"	ug/l	0.0191	0.0609	1	M8270C	1/7/2020	1/7/2020	NJC	1
2-Methyl naphthalene	0.053 "J"	ug/l	0.0186	0.059	1	M8270C	1/7/2020	1/7/2020	NJC	1
Naphthalene	0.075 "J"	ug/l	0.03	0.1	1	M8270C	1/7/2020	1/7/2020	NJC	1
Phenanthrene	0.054	ug/l	0.0143	0.0456	1	M8270C	1/7/2020	1/7/2020	NJC	1
Pyrene	0.038 "J"	ug/l	0.0121	0.0386	1	M8270C	1/7/2020	1/7/2020	NJC	1

Project Name MOSS AMERICA
Project # 18687

Invoice # E37346

Lab Code 5037346F
Sample ID TG4-3
Sample Matrix Water
Sample Date 12/31/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		1/3/2020	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		1/3/2020	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		1/3/2020	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		1/3/2020	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		1/3/2020	CJR	1
PAH SIM										
Acenaphthene	0.0135 "J"	ug/l	0.0094	0.03	1	M8270C	1/7/2020	1/7/2020	NJC	1
Acenaphthylene	0.0227 "J"	ug/l	0.0156	0.0495	1	M8270C	1/7/2020	1/7/2020	NJC	1
Anthracene	0.078	ug/l	0.015	0.0478	1	M8270C	1/7/2020	1/7/2020	NJC	1
Benzo(a)anthracene	0.0313 "J"	ug/l	0.02	0.067	1	M8270C	1/7/2020	1/7/2020	NJC	1
Benzo(a)pyrene	0.0235 "J"	ug/l	0.0167	0.0531	1	M8270C	1/7/2020	1/7/2020	NJC	1
Benzo(b)fluoranthene	0.0315 "J"	ug/l	0.016	0.0509	1	M8270C	1/7/2020	1/7/2020	NJC	1
Benzo(g,h,i)perylene	0.0285 "J"	ug/l	0.0142	0.0451	1	M8270C	1/7/2020	1/7/2020	NJC	1
Benzo(k)fluoranthene	0.0227 "J"	ug/l	0.0146	0.0463	1	M8270C	1/7/2020	1/7/2020	NJC	1
Chrysene	0.0263 "J"	ug/l	0.0157	0.0499	1	M8270C	1/7/2020	1/7/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	1/7/2020	1/7/2020	NJC	1
Fluoranthene	0.034	ug/l	0.0088	0.0281	1	M8270C	1/7/2020	1/7/2020	NJC	1
Fluorene	0.0165 "J"	ug/l	0.0079	0.0251	1	M8270C	1/7/2020	1/7/2020	NJC	1
Indeno(1,2,3-cd)pyrene	0.0215 "J"	ug/l	0.0121	0.0385	1	M8270C	1/7/2020	1/7/2020	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	1/7/2020	1/7/2020	NJC	1
2-Methyl naphthalene	0.0235 "J"	ug/l	0.0186	0.059	1	M8270C	1/7/2020	1/7/2020	NJC	1
Naphthalene	0.051 "J"	ug/l	0.03	0.1	1	M8270C	1/7/2020	1/7/2020	NJC	1
Phenanthrene	0.0232 "J"	ug/l	0.0143	0.0456	1	M8270C	1/7/2020	1/7/2020	NJC	1
Pyrene	0.034 "J"	ug/l	0.0121	0.0386	1	M8270C	1/7/2020	1/7/2020	NJC	1

Project Name MOSS AMERICA
 Project # 18687

Invoice # E37346

Lab Code 5037346G
 Sample ID TG4-2
 Sample Matrix Water
 Sample Date 12/31/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		1/3/2020	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		1/3/2020	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		1/3/2020	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		1/3/2020	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		1/3/2020	CJR	1
PAH SIM										
Acenaphthene	0.63	ug/l	0.0094	0.03	1	M8270C	1/7/2020	1/7/2020	NJC	1
Acenaphthylene	0.036 "J"	ug/l	0.0156	0.0495	1	M8270C	1/7/2020	1/7/2020	NJC	1
Anthracene	0.109	ug/l	0.015	0.0478	1	M8270C	1/7/2020	1/7/2020	NJC	1
Benzo(a)anthracene	0.051 "J"	ug/l	0.02	0.067	1	M8270C	1/7/2020	1/7/2020	NJC	1
Benzo(a)pyrene	0.028 "J"	ug/l	0.0167	0.0531	1	M8270C	1/7/2020	1/7/2020	NJC	1
Benzo(b)fluoranthene	0.049 "J"	ug/l	0.016	0.0509	1	M8270C	1/7/2020	1/7/2020	NJC	1
Benzo(g,h,i)perylene	0.039 "J"	ug/l	0.0142	0.0451	1	M8270C	1/7/2020	1/7/2020	NJC	1
Benzo(k)fluoranthene	0.022 "J"	ug/l	0.0146	0.0463	1	M8270C	1/7/2020	1/7/2020	NJC	1
Chrysene	0.041 "J"	ug/l	0.0157	0.0499	1	M8270C	1/7/2020	1/7/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	1/7/2020	1/7/2020	NJC	1
Fluoranthene	0.305	ug/l	0.0088	0.0281	1	M8270C	1/7/2020	1/7/2020	NJC	1
Fluorene	0.0209 "J"	ug/l	0.0079	0.0251	1	M8270C	1/7/2020	1/7/2020	NJC	1
Indeno(1,2,3-cd)pyrene	0.0284 "J"	ug/l	0.0121	0.0385	1	M8270C	1/7/2020	1/7/2020	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	1/7/2020	1/7/2020	NJC	1
2-Methyl naphthalene	0.0225 "J"	ug/l	0.0186	0.059	1	M8270C	1/7/2020	1/7/2020	NJC	1
Naphthalene	0.054 "J"	ug/l	0.03	0.1	1	M8270C	1/7/2020	1/7/2020	NJC	1
Phenanthrene	0.0304 "J"	ug/l	0.0143	0.0456	1	M8270C	1/7/2020	1/7/2020	NJC	1
Pyrene	0.217	ug/l	0.0121	0.0386	1	M8270C	1/7/2020	1/7/2020	NJC	1

Project Name MOSS AMERICA
 Project # 18687

Invoice # E37346

Lab Code 5037346H
 Sample ID MW-32 SR
 Sample Matrix Water
 Sample Date 12/31/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		1/3/2020	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		1/3/2020	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		1/3/2020	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		1/3/2020	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		1/3/2020	CJR	1
PAH SIM										
Acenaphthene	0.50	ug/l	0.0094	0.03	1	M8270C	1/7/2020	1/7/2020	NJC	1
Acenaphthylene	0.0195 "J"	ug/l	0.0156	0.0495	1	M8270C	1/7/2020	1/7/2020	NJC	1
Anthracene	0.057	ug/l	0.015	0.0478	1	M8270C	1/7/2020	1/7/2020	NJC	1
Benzo(a)anthracene	0.0279 "J"	ug/l	0.02	0.067	1	M8270C	1/7/2020	1/7/2020	NJC	1
Benzo(a)pyrene	0.0224 "J"	ug/l	0.0167	0.0531	1	M8270C	1/7/2020	1/7/2020	NJC	1
Benzo(b)fluoranthene	0.0268 "J"	ug/l	0.016	0.0509	1	M8270C	1/7/2020	1/7/2020	NJC	1
Benzo(g,h,i)perylene	0.027 "J"	ug/l	0.0142	0.0451	1	M8270C	1/7/2020	1/7/2020	NJC	1
Benzo(k)fluoranthene	0.0263 "J"	ug/l	0.0146	0.0463	1	M8270C	1/7/2020	1/7/2020	NJC	1
Chrysene	0.0234 "J"	ug/l	0.0157	0.0499	1	M8270C	1/7/2020	1/7/2020	NJC	1
Dibenzo(a,h)anthracene	0.0229 "J"	ug/l	0.0173	0.0549	1	M8270C	1/7/2020	1/7/2020	NJC	1
Fluoranthene	0.04	ug/l	0.0088	0.0281	1	M8270C	1/7/2020	1/7/2020	NJC	1
Fluorene	0.0224 "J"	ug/l	0.0079	0.0251	1	M8270C	1/7/2020	1/7/2020	NJC	1
Indeno(1,2,3-cd)pyrene	0.0246 "J"	ug/l	0.0121	0.0385	1	M8270C	1/7/2020	1/7/2020	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	1/7/2020	1/7/2020	NJC	1
2-Methyl naphthalene	0.0199 "J"	ug/l	0.0186	0.059	1	M8270C	1/7/2020	1/7/2020	NJC	1
Naphthalene	0.049 "J"	ug/l	0.03	0.1	1	M8270C	1/7/2020	1/7/2020	NJC	1
Phenanthrene	0.02 "J"	ug/l	0.0143	0.0456	1	M8270C	1/7/2020	1/7/2020	NJC	1
Pyrene	0.0267 "J"	ug/l	0.0121	0.0386	1	M8270C	1/7/2020	1/7/2020	NJC	1

Project Name MOSS AMERICA
 Project # 18687

Invoice # E37346

Lab Code 5037346I
 Sample ID MW-33S
 Sample Matrix Water
 Sample Date 12/31/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		1/3/2020	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		1/3/2020	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		1/3/2020	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		1/3/2020	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		1/3/2020	CJR	1
PAH SIM										
Acenaphthene	0.093	ug/l	0.0094	0.03	1	M8270C	1/7/2020	1/7/2020	NJC	1
Acenaphthylene	0.0183 "J"	ug/l	0.0156	0.0495	1	M8270C	1/7/2020	1/7/2020	NJC	1
Anthracene	0.127	ug/l	0.015	0.0478	1	M8270C	1/7/2020	1/7/2020	NJC	1
Benzo(a)anthracene	0.0278 "J"	ug/l	0.02	0.067	1	M8270C	1/7/2020	1/7/2020	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	1/7/2020	1/7/2020	NJC	1
Benzo(b)fluoranthene	0.0241 "J"	ug/l	0.016	0.0509	1	M8270C	1/7/2020	1/7/2020	NJC	1
Benzo(g,h,i)perylene	0.0183 "J"	ug/l	0.0142	0.0451	1	M8270C	1/7/2020	1/7/2020	NJC	1
Benzo(k)fluoranthene	0.0181 "J"	ug/l	0.0146	0.0463	1	M8270C	1/7/2020	1/7/2020	NJC	1
Chrysene	0.0193 "J"	ug/l	0.0157	0.0499	1	M8270C	1/7/2020	1/7/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	1/7/2020	1/7/2020	NJC	1
Fluoranthene	0.0173 "J"	ug/l	0.0088	0.0281	1	M8270C	1/7/2020	1/7/2020	NJC	1
Fluorene	0.044	ug/l	0.0079	0.0251	1	M8270C	1/7/2020	1/7/2020	NJC	1
Indeno(1,2,3-cd)pyrene	0.0171 "J"	ug/l	0.0121	0.0385	1	M8270C	1/7/2020	1/7/2020	NJC	1
1-Methyl naphthalene	0.0279 "J"	ug/l	0.0191	0.0609	1	M8270C	1/7/2020	1/7/2020	NJC	1
2-Methyl naphthalene	0.0262 "J"	ug/l	0.0186	0.059	1	M8270C	1/7/2020	1/7/2020	NJC	1
Naphthalene	0.175	ug/l	0.03	0.1	1	M8270C	1/7/2020	1/7/2020	NJC	1
Phenanthrene	0.033 "J"	ug/l	0.0143	0.0456	1	M8270C	1/7/2020	1/7/2020	NJC	1
Pyrene	0.0146 "J"	ug/l	0.0121	0.0386	1	M8270C	1/7/2020	1/7/2020	NJC	1

Project Name MOSS AMERICA
 Project # 18687

Invoice # E37346

Lab Code 5037346J
 Sample ID MW-31 SR
 Sample Matrix Water
 Sample Date 12/31/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		1/3/2020	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		1/3/2020	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		1/3/2020	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		1/3/2020	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		1/3/2020	CJR	1
PAH SIM										
Acenaphthene	0.0122 "J"	ug/l	0.0094	0.03	1	M8270C	1/7/2020	1/7/2020	NJC	1
Acenaphthylene	0.017 "J"	ug/l	0.0156	0.0495	1	M8270C	1/7/2020	1/7/2020	NJC	1
Anthracene	0.0232 "J"	ug/l	0.015	0.0478	1	M8270C	1/7/2020	1/7/2020	NJC	1
Benzo(a)anthracene	0.0248 "J"	ug/l	0.02	0.067	1	M8270C	1/7/2020	1/7/2020	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	1/7/2020	1/7/2020	NJC	1
Benzo(b)fluoranthene	0.0186 "J"	ug/l	0.016	0.0509	1	M8270C	1/7/2020	1/7/2020	NJC	1
Benzo(g,h,i)perylene	0.0154 "J"	ug/l	0.0142	0.0451	1	M8270C	1/7/2020	1/7/2020	NJC	1
Benzo(k)fluoranthene	0.0184 "J"	ug/l	0.0146	0.0463	1	M8270C	1/7/2020	1/7/2020	NJC	1
Chrysene	0.017 "J"	ug/l	0.0157	0.0499	1	M8270C	1/7/2020	1/7/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	1/7/2020	1/7/2020	NJC	1
Fluoranthene	0.0159 "J"	ug/l	0.0088	0.0281	1	M8270C	1/7/2020	1/7/2020	NJC	1
Fluorene	0.0149 "J"	ug/l	0.0079	0.0251	1	M8270C	1/7/2020	1/7/2020	NJC	1
Indeno(1,2,3-cd)pyrene	0.0139 "J"	ug/l	0.0121	0.0385	1	M8270C	1/7/2020	1/7/2020	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	1/7/2020	1/7/2020	NJC	1
2-Methyl naphthalene	0.0233 "J"	ug/l	0.0186	0.059	1	M8270C	1/7/2020	1/7/2020	NJC	1
Naphthalene	0.049 "J"	ug/l	0.03	0.1	1	M8270C	1/7/2020	1/7/2020	NJC	1
Phenanthrene	0.0265 "J"	ug/l	0.0143	0.0456	1	M8270C	1/7/2020	1/7/2020	NJC	1
Pyrene	0.0157 "J"	ug/l	0.0121	0.0386	1	M8270C	1/7/2020	1/7/2020	NJC	1

Project Name MOSS AMERICA
Project # 18687

Invoice # E37346

Lab Code 5037346K
Sample ID TG4-1
Sample Matrix Water
Sample Date 12/31/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		1/4/2020	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		1/4/2020	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		1/4/2020	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		1/4/2020	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		1/4/2020	CJR	1
PAH SIM										
Acenaphthene	0.0226 "J"	ug/l	0.0094	0.03	1	M8270C	1/7/2020	1/7/2020	NJC	1
Acenaphthylene	0.0302 "J"	ug/l	0.0156	0.0495	1	M8270C	1/7/2020	1/7/2020	NJC	1
Anthracene	0.088	ug/l	0.015	0.0478	1	M8270C	1/7/2020	1/7/2020	NJC	1
Benzo(a)anthracene	0.034 "J"	ug/l	0.02	0.067	1	M8270C	1/7/2020	1/7/2020	NJC	1
Benzo(a)pyrene	0.0224 "J"	ug/l	0.0167	0.0531	1	M8270C	1/7/2020	1/7/2020	NJC	1
Benzo(b)fluoranthene	0.0251 "J"	ug/l	0.016	0.0509	1	M8270C	1/7/2020	1/7/2020	NJC	1
Benzo(g,h,i)perylene	0.0203 "J"	ug/l	0.0142	0.0451	1	M8270C	1/7/2020	1/7/2020	NJC	1
Benzo(k)fluoranthene	0.0243 "J"	ug/l	0.0146	0.0463	1	M8270C	1/7/2020	1/7/2020	NJC	1
Chrysene	0.0281 "J"	ug/l	0.0157	0.0499	1	M8270C	1/7/2020	1/7/2020	NJC	1
Dibenzo(a,h)anthracene	0.0218 "J"	ug/l	0.0173	0.0549	1	M8270C	1/7/2020	1/7/2020	NJC	1
Fluoranthene	0.029	ug/l	0.0088	0.0281	1	M8270C	1/7/2020	1/7/2020	NJC	1
Fluorene	0.0285	ug/l	0.0079	0.0251	1	M8270C	1/7/2020	1/7/2020	NJC	1
Indeno(1,2,3-cd)pyrene	0.0201 "J"	ug/l	0.0121	0.0385	1	M8270C	1/7/2020	1/7/2020	NJC	1
1-Methyl naphthalene	0.0238 "J"	ug/l	0.0191	0.0609	1	M8270C	1/7/2020	1/7/2020	NJC	1
2-Methyl naphthalene	0.033 "J"	ug/l	0.0186	0.059	1	M8270C	1/7/2020	1/7/2020	NJC	1
Naphthalene	0.058 "J"	ug/l	0.03	0.1	1	M8270C	1/7/2020	1/7/2020	NJC	1
Phenanthrene	0.037 "J"	ug/l	0.0143	0.0456	1	M8270C	1/7/2020	1/7/2020	NJC	1
Pyrene	0.0267 "J"	ug/l	0.0121	0.0386	1	M8270C	1/7/2020	1/7/2020	NJC	1

Lab Code 5037346L
Sample ID TRIP
Sample Matrix Water
Sample Date 12/31/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		1/3/2020	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		1/3/2020	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		1/3/2020	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		1/3/2020	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		1/3/2020	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

A handwritten signature in blue ink, appearing to read "Michael J. ...", is written over a horizontal line.

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 17-Jan-20

Project Name MOSS AMERICA
Project # 18687

Invoice # E37366

Lab Code 5037366A
Sample ID PZ-05
Sample Matrix Water
Sample Date 1/3/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		1/13/2020	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		1/13/2020	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		1/13/2020	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		1/13/2020	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		1/13/2020	CJR	1
PAH SIM										
Acenaphthene	< 0.0094	ug/l	0.0094	0.03	1	M8270C	1/9/2020	1/9/2020	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	1/9/2020	1/9/2020	NJC	1
Anthracene	< 0.015	ug/l	0.015	0.0478	1	M8270C	1/9/2020	1/9/2020	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	1/9/2020	1/9/2020	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	1/9/2020	1/9/2020	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	1/9/2020	1/9/2020	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	1/9/2020	1/9/2020	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	1/9/2020	1/9/2020	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	1/9/2020	1/9/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	1/9/2020	1/9/2020	NJC	1
Fluoranthene	< 0.0088	ug/l	0.0088	0.0281	1	M8270C	1/9/2020	1/9/2020	NJC	1
Fluorene	< 0.0079	ug/l	0.0079	0.0251	1	M8270C	1/9/2020	1/9/2020	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	1/9/2020	1/9/2020	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	1/9/2020	1/9/2020	NJC	1
2-Methyl naphthalene	0.0222 "J"	ug/l	0.0186	0.059	1	M8270C	1/9/2020	1/9/2020	NJC	1
Naphthalene	0.058 "J"	ug/l	0.03	0.1	1	M8270C	1/9/2020	1/9/2020	NJC	5
Phenanthrene	< 0.0143	ug/l	0.0143	0.0456	1	M8270C	1/9/2020	1/9/2020	NJC	1
Pyrene	< 0.0121	ug/l	0.0121	0.0386	1	M8270C	1/9/2020	1/9/2020	NJC	1

Project Name MOSS AMERICA
 Project # 18687

Invoice # E37366

Lab Code 5037366B
 Sample ID PZ-06
 Sample Matrix Water
 Sample Date 1/3/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		1/13/2020	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		1/13/2020	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		1/13/2020	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		1/13/2020	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		1/13/2020	CJR	1
PAH SIM										
Acenaphthene	< 0.0094	ug/l	0.0094	0.03	1	M8270C	1/9/2020	1/9/2020	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	1/9/2020	1/9/2020	NJC	1
Anthracene	0.0266 "J"	ug/l	0.015	0.0478	1	M8270C	1/9/2020	1/9/2020	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	1/9/2020	1/9/2020	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	1/9/2020	1/9/2020	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	1/9/2020	1/9/2020	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	1/9/2020	1/9/2020	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	1/9/2020	1/9/2020	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	1/9/2020	1/9/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	1/9/2020	1/9/2020	NJC	1
Fluoranthene	0.0095 "J"	ug/l	0.0088	0.0281	1	M8270C	1/9/2020	1/9/2020	NJC	1
Fluorene	< 0.0079	ug/l	0.0079	0.0251	1	M8270C	1/9/2020	1/9/2020	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	1/9/2020	1/9/2020	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	1/9/2020	1/9/2020	NJC	1
2-Methyl naphthalene	0.0242 "J"	ug/l	0.0186	0.059	1	M8270C	1/9/2020	1/9/2020	NJC	1
Naphthalene	0.062 "J"	ug/l	0.03	0.1	1	M8270C	1/9/2020	1/9/2020	NJC	5
Phenanthrene	0.0188 "J"	ug/l	0.0143	0.0456	1	M8270C	1/9/2020	1/9/2020	NJC	1
Pyrene	< 0.0121	ug/l	0.0121	0.0386	1	M8270C	1/9/2020	1/9/2020	NJC	1

Project Name MOSS AMERICA
 Project # 18687

Invoice # E37366

Lab Code 5037366C
 Sample ID MW-38S
 Sample Matrix Water
 Sample Date 1/3/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		1/13/2020	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		1/13/2020	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		1/13/2020	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		1/13/2020	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		1/13/2020	CJR	1
PAH SIM										
Acenaphthene	0.257	ug/l	0.0094	0.03	1	M8270C	1/9/2020	1/9/2020	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	1/9/2020	1/9/2020	NJC	1
Anthracene	0.099	ug/l	0.015	0.0478	1	M8270C	1/9/2020	1/9/2020	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	1/9/2020	1/9/2020	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	1/9/2020	1/9/2020	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	1/9/2020	1/9/2020	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	1/9/2020	1/9/2020	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	1/9/2020	1/9/2020	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	1/9/2020	1/9/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	1/9/2020	1/9/2020	NJC	1
Fluoranthene	< 0.0088	ug/l	0.0088	0.0281	1	M8270C	1/9/2020	1/9/2020	NJC	1
Fluorene	0.0153 "J"	ug/l	0.0079	0.0251	1	M8270C	1/9/2020	1/9/2020	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	1/9/2020	1/9/2020	NJC	1
1-Methyl naphthalene	0.037 "J"	ug/l	0.0191	0.0609	1	M8270C	1/9/2020	1/9/2020	NJC	1
2-Methyl naphthalene	0.0206 "J"	ug/l	0.0186	0.059	1	M8270C	1/9/2020	1/9/2020	NJC	1
Naphthalene	0.159	ug/l	0.03	0.1	1	M8270C	1/9/2020	1/9/2020	NJC	5
Phenanthrene	0.0165 "J"	ug/l	0.0143	0.0456	1	M8270C	1/9/2020	1/9/2020	NJC	1
Pyrene	< 0.0121	ug/l	0.0121	0.0386	1	M8270C	1/9/2020	1/9/2020	NJC	1

Project Name MOSS AMERICA
 Project # 18687

Invoice # E37366

Lab Code 5037366D
 Sample ID MW-7S
 Sample Matrix Water
 Sample Date 1/3/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		1/13/2020	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		1/13/2020	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		1/13/2020	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		1/13/2020	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		1/13/2020	CJR	1
PAH SIM										
Acenaphthene	0.50	ug/l	0.0094	0.03	1	M8270C	1/9/2020	1/9/2020	NJC	1
Acenaphthylene	0.0194 "J"	ug/l	0.0156	0.0495	1	M8270C	1/9/2020	1/9/2020	NJC	1
Anthracene	0.117	ug/l	0.015	0.0478	1	M8270C	1/9/2020	1/9/2020	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	1/9/2020	1/9/2020	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	1/9/2020	1/9/2020	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	1/9/2020	1/9/2020	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	1/9/2020	1/9/2020	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	1/9/2020	1/9/2020	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	1/9/2020	1/9/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	1/9/2020	1/9/2020	NJC	1
Fluoranthene	0.0107 "J"	ug/l	0.0088	0.0281	1	M8270C	1/9/2020	1/9/2020	NJC	1
Fluorene	0.077	ug/l	0.0079	0.0251	1	M8270C	1/9/2020	1/9/2020	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	1/9/2020	1/9/2020	NJC	1
1-Methyl naphthalene	0.089	ug/l	0.0191	0.0609	1	M8270C	1/9/2020	1/9/2020	NJC	1
2-Methyl naphthalene	0.0224 "J"	ug/l	0.0186	0.059	1	M8270C	1/9/2020	1/9/2020	NJC	1
Naphthalene	0.091 "J"	ug/l	0.03	0.1	1	M8270C	1/9/2020	1/9/2020	NJC	5
Phenanthrene	0.0177 "J"	ug/l	0.0143	0.0456	1	M8270C	1/9/2020	1/9/2020	NJC	1
Pyrene	< 0.0121	ug/l	0.0121	0.0386	1	M8270C	1/9/2020	1/9/2020	NJC	1

Project Name MOSS AMERICA
 Project # 18687

Invoice # E37366

Lab Code 5037366E
 Sample ID MW-7S-WR
 Sample Matrix Water
 Sample Date 1/3/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		1/13/2020	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		1/13/2020	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		1/13/2020	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		1/13/2020	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		1/13/2020	CJR	1
PAH SIM										
Acenaphthene	18.3	ug/l	0.047	0.15	5	M8270C	1/9/2020	1/10/2020	NJC	1
Acenaphthylene	0.40	ug/l	0.078	0.2475	5	M8270C	1/9/2020	1/10/2020	NJC	1
Anthracene	0.176 "J"	ug/l	0.075	0.239	5	M8270C	1/9/2020	1/10/2020	NJC	1
Benzo(a)anthracene	0.137 "J"	ug/l	0.1	0.335	5	M8270C	1/9/2020	1/10/2020	NJC	1
Benzo(a)pyrene	< 0.0835	ug/l	0.0835	0.2655	5	M8270C	1/9/2020	1/10/2020	NJC	1
Benzo(b)fluoranthene	< 0.08	ug/l	0.08	0.2545	5	M8270C	1/9/2020	1/10/2020	NJC	1
Benzo(g,h,i)perylene	< 0.071	ug/l	0.071	0.2255	5	M8270C	1/9/2020	1/10/2020	NJC	1
Benzo(k)fluoranthene	< 0.073	ug/l	0.073	0.2315	5	M8270C	1/9/2020	1/10/2020	NJC	1
Chrysene	< 0.0785	ug/l	0.0785	0.2495	5	M8270C	1/9/2020	1/10/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.0865	ug/l	0.0865	0.2745	5	M8270C	1/9/2020	1/10/2020	NJC	1
Fluoranthene	1.74	ug/l	0.044	0.1405	5	M8270C	1/9/2020	1/10/2020	NJC	1
Fluorene	2.79	ug/l	0.0395	0.1255	5	M8270C	1/9/2020	1/10/2020	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0605	ug/l	0.0605	0.1925	5	M8270C	1/9/2020	1/10/2020	NJC	1
1-Methyl naphthalene	0.191 "J"	ug/l	0.0955	0.3045	5	M8270C	1/9/2020	1/10/2020	NJC	1
2-Methyl naphthalene	< 0.093	ug/l	0.093	0.295	5	M8270C	1/9/2020	1/10/2020	NJC	1
Naphthalene	< 0.15	ug/l	0.15	0.5	5	M8270C	1/9/2020	1/10/2020	NJC	1
Phenanthrene	< 0.0715	ug/l	0.0715	0.228	5	M8270C	1/9/2020	1/10/2020	NJC	1
Pyrene	1.07	ug/l	0.0605	0.193	5	M8270C	1/9/2020	1/10/2020	NJC	1

Project Name MOSS AMERICA
 Project # 18687

Invoice # E37366

Lab Code 5037366F
 Sample ID MW-5S
 Sample Matrix Water
 Sample Date 1/3/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		1/13/2020	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		1/13/2020	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		1/13/2020	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		1/13/2020	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		1/13/2020	CJR	1
PAH SIM										
Acenaphthene	< 0.0094	ug/l	0.0094	0.03	1	M8270C	1/9/2020	1/9/2020	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	1/9/2020	1/9/2020	NJC	1
Anthracene	< 0.015	ug/l	0.015	0.0478	1	M8270C	1/9/2020	1/9/2020	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	1/9/2020	1/9/2020	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	1/9/2020	1/9/2020	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	1/9/2020	1/9/2020	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	1/9/2020	1/9/2020	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	1/9/2020	1/9/2020	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	1/9/2020	1/9/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	1/9/2020	1/9/2020	NJC	1
Fluoranthene	< 0.0088	ug/l	0.0088	0.0281	1	M8270C	1/9/2020	1/9/2020	NJC	1
Fluorene	< 0.0079	ug/l	0.0079	0.0251	1	M8270C	1/9/2020	1/9/2020	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	1/9/2020	1/9/2020	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	1/9/2020	1/9/2020	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	1/9/2020	1/9/2020	NJC	1
Naphthalene	0.047 "J"	ug/l	0.03	0.1	1	M8270C	1/9/2020	1/9/2020	NJC	5
Phenanthrene	< 0.0143	ug/l	0.0143	0.0456	1	M8270C	1/9/2020	1/9/2020	NJC	1
Pyrene	< 0.0121	ug/l	0.0121	0.0386	1	M8270C	1/9/2020	1/9/2020	NJC	1

Project Name MOSS AMERICA
 Project # 18687

Invoice # E37366

Lab Code 5037366G
 Sample ID MW-30S
 Sample Matrix Water
 Sample Date 1/3/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		1/13/2020	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		1/13/2020	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		1/13/2020	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		1/13/2020	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		1/13/2020	CJR	1
PAH SIM										
Acenaphthene	< 0.0094	ug/l	0.0094	0.03	1	M8270C	1/9/2020	1/9/2020	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	1/9/2020	1/9/2020	NJC	1
Anthracene	0.174	ug/l	0.015	0.0478	1	M8270C	1/9/2020	1/9/2020	NJC	1
Benzo(a)anthracene	0.0233 "J"	ug/l	0.02	0.067	1	M8270C	1/9/2020	1/9/2020	NJC	2
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	1/9/2020	1/9/2020	NJC	1
Benzo(b)fluoranthene	0.0231 "J"	ug/l	0.016	0.0509	1	M8270C	1/9/2020	1/9/2020	NJC	2
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	1/9/2020	1/9/2020	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	1/9/2020	1/9/2020	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	1/9/2020	1/9/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	1/9/2020	1/9/2020	NJC	1
Fluoranthene	0.0196 "J"	ug/l	0.0088	0.0281	1	M8270C	1/9/2020	1/9/2020	NJC	2
Fluorene	< 0.0079	ug/l	0.0079	0.0251	1	M8270C	1/9/2020	1/9/2020	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	1/9/2020	1/9/2020	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	1/9/2020	1/9/2020	NJC	1
2-Methyl naphthalene	0.019 "J"	ug/l	0.0186	0.059	1	M8270C	1/9/2020	1/9/2020	NJC	1
Naphthalene	0.051 "J"	ug/l	0.03	0.1	1	M8270C	1/9/2020	1/9/2020	NJC	5
Phenanthrene	0.0199 "J"	ug/l	0.0143	0.0456	1	M8270C	1/9/2020	1/9/2020	NJC	1
Pyrene	0.0267 "J"	ug/l	0.0121	0.0386	1	M8270C	1/9/2020	1/9/2020	NJC	2

Project Name MOSS AMERICA
 Project # 18687

Invoice # E37366

Lab Code 5037366H
 Sample ID MW-A
 Sample Matrix Water
 Sample Date 1/3/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		1/13/2020	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		1/13/2020	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		1/13/2020	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		1/13/2020	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		1/13/2020	CJR	1
PAH SIM										
Acenaphthene	< 0.0094	ug/l	0.0094	0.03	1	M8270C	1/9/2020	1/9/2020	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	1/9/2020	1/9/2020	NJC	1
Anthracene	0.0224 "J"	ug/l	0.015	0.0478	1	M8270C	1/9/2020	1/9/2020	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	1/9/2020	1/9/2020	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	1/9/2020	1/9/2020	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	1/9/2020	1/9/2020	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	1/9/2020	1/9/2020	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	1/9/2020	1/9/2020	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	1/9/2020	1/9/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	1/9/2020	1/9/2020	NJC	1
Fluoranthene	< 0.0088	ug/l	0.0088	0.0281	1	M8270C	1/9/2020	1/9/2020	NJC	1
Fluorene	< 0.0079	ug/l	0.0079	0.0251	1	M8270C	1/9/2020	1/9/2020	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	1/9/2020	1/9/2020	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	1/9/2020	1/9/2020	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	1/9/2020	1/9/2020	NJC	1
Naphthalene	0.046 "J"	ug/l	0.03	0.1	1	M8270C	1/9/2020	1/9/2020	NJC	5
Phenanthrene	< 0.0143	ug/l	0.0143	0.0456	1	M8270C	1/9/2020	1/9/2020	NJC	1
Pyrene	< 0.0121	ug/l	0.0121	0.0386	1	M8270C	1/9/2020	1/9/2020	NJC	1

Project Name MOSS AMERICA
 Project # 18687

Invoice # E37366

Lab Code 5037366I
 Sample ID MW-34SR
 Sample Matrix Water
 Sample Date 1/3/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		1/13/2020	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		1/13/2020	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		1/13/2020	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		1/13/2020	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		1/13/2020	CJR	1
PAH SIM										
Acenaphthene	5.00	ug/l	0.0094	0.03	1	M8270C	1/9/2020	1/9/2020	NJC	1
Acenaphthylene	0.057	ug/l	0.0156	0.0495	1	M8270C	1/9/2020	1/9/2020	NJC	1
Anthracene	0.273	ug/l	0.015	0.0478	1	M8270C	1/9/2020	1/9/2020	NJC	1
Benzo(a)anthracene	0.025 "J"	ug/l	0.02	0.067	1	M8270C	1/9/2020	1/9/2020	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	1/9/2020	1/9/2020	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	1/9/2020	1/9/2020	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	1/9/2020	1/9/2020	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	1/9/2020	1/9/2020	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	1/9/2020	1/9/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	1/9/2020	1/9/2020	NJC	1
Fluoranthene	0.46	ug/l	0.0088	0.0281	1	M8270C	1/9/2020	1/9/2020	NJC	1
Fluorene	0.74	ug/l	0.0079	0.0251	1	M8270C	1/9/2020	1/9/2020	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	1/9/2020	1/9/2020	NJC	1
1-Methyl naphthalene	0.91	ug/l	0.0191	0.0609	1	M8270C	1/9/2020	1/9/2020	NJC	1
2-Methyl naphthalene	0.0301 "J"	ug/l	0.0186	0.059	1	M8270C	1/9/2020	1/9/2020	NJC	1
Naphthalene	0.075 "J"	ug/l	0.03	0.1	1	M8270C	1/9/2020	1/9/2020	NJC	5
Phenanthrene	0.033 "J"	ug/l	0.0143	0.0456	1	M8270C	1/9/2020	1/9/2020	NJC	1
Pyrene	0.267	ug/l	0.0121	0.0386	1	M8270C	1/9/2020	1/9/2020	NJC	1

Project Name MOSS AMERICA
 Project # 18687

Invoice # E37366

Lab Code 5037366J
 Sample ID MW-39S
 Sample Matrix Water
 Sample Date 1/3/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		1/13/2020	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		1/13/2020	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		1/13/2020	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		1/13/2020	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		1/13/2020	CJR	1
PAH SIM										
Acenaphthene	19.7	ug/l	0.047	0.15	5	M8270C	1/9/2020	1/10/2020	NJC	1
Acenaphthylene	0.163 "J"	ug/l	0.078	0.2475	5	M8270C	1/9/2020	1/10/2020	NJC	1
Anthracene	0.101 "J"	ug/l	0.075	0.239	5	M8270C	1/9/2020	1/10/2020	NJC	1
Benzo(a)anthracene	0.139 "J"	ug/l	0.1	0.335	5	M8270C	1/9/2020	1/10/2020	NJC	1
Benzo(a)pyrene	< 0.0835	ug/l	0.0835	0.2655	5	M8270C	1/9/2020	1/10/2020	NJC	1
Benzo(b)fluoranthene	< 0.08	ug/l	0.08	0.2545	5	M8270C	1/9/2020	1/10/2020	NJC	1
Benzo(g,h,i)perylene	< 0.071	ug/l	0.071	0.2255	5	M8270C	1/9/2020	1/10/2020	NJC	1
Benzo(k)fluoranthene	< 0.073	ug/l	0.073	0.2315	5	M8270C	1/9/2020	1/10/2020	NJC	1
Chrysene	< 0.0785	ug/l	0.0785	0.2495	5	M8270C	1/9/2020	1/10/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.0865	ug/l	0.0865	0.2745	5	M8270C	1/9/2020	1/10/2020	NJC	1
Fluoranthene	0.38	ug/l	0.044	0.1405	5	M8270C	1/9/2020	1/10/2020	NJC	1
Fluorene	0.98	ug/l	0.0395	0.1255	5	M8270C	1/9/2020	1/10/2020	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0605	ug/l	0.0605	0.1925	5	M8270C	1/9/2020	1/10/2020	NJC	1
1-Methyl naphthalene	< 0.096	ug/l	0.0955	0.3045	5	M8270C	1/9/2020	1/10/2020	NJC	1
2-Methyl naphthalene	< 0.093	ug/l	0.093	0.295	5	M8270C	1/9/2020	1/10/2020	NJC	1
Naphthalene	< 0.15	ug/l	0.15	0.5	5	M8270C	1/9/2020	1/10/2020	NJC	1
Phenanthrene	< 0.0715	ug/l	0.0715	0.228	5	M8270C	1/9/2020	1/10/2020	NJC	1
Pyrene	0.282	ug/l	0.0605	0.193	5	M8270C	1/9/2020	1/10/2020	NJC	1

Project Name MOSS AMERICA
 Project # 18687

Invoice # E37366

Lab Code 5037366K
 Sample ID PZ-04
 Sample Matrix Water
 Sample Date 1/3/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		1/13/2020	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		1/13/2020	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		1/13/2020	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		1/13/2020	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		1/13/2020	CJR	1
PAH SIM										
Acenaphthene	0.0132 "J"	ug/l	0.0094	0.03	1	M8270C	1/9/2020	1/10/2020	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	1/9/2020	1/10/2020	NJC	1
Anthracene	0.032 "J"	ug/l	0.015	0.0478	1	M8270C	1/9/2020	1/10/2020	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	1/9/2020	1/10/2020	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	1/9/2020	1/10/2020	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	1/9/2020	1/10/2020	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	1/9/2020	1/10/2020	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	1/9/2020	1/10/2020	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	1/9/2020	1/10/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	1/9/2020	1/10/2020	NJC	1
Fluoranthene	< 0.0088	ug/l	0.0088	0.0281	1	M8270C	1/9/2020	1/10/2020	NJC	1
Fluorene	< 0.0079	ug/l	0.0079	0.0251	1	M8270C	1/9/2020	1/10/2020	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	1/9/2020	1/10/2020	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	1/9/2020	1/10/2020	NJC	1
2-Methyl naphthalene	0.0195 "J"	ug/l	0.0186	0.059	1	M8270C	1/9/2020	1/10/2020	NJC	1
Naphthalene	0.048 "J"	ug/l	0.03	0.1	1	M8270C	1/9/2020	1/10/2020	NJC	5
Phenanthrene	< 0.0143	ug/l	0.0143	0.0456	1	M8270C	1/9/2020	1/10/2020	NJC	1
Pyrene	< 0.0121	ug/l	0.0121	0.0386	1	M8270C	1/9/2020	1/10/2020	NJC	1

Project Name MOSS AMERICA
 Project # 18687

Invoice # E37366

Lab Code 5037366L
 Sample ID PZ-10
 Sample Matrix Water
 Sample Date 1/3/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		1/13/2020	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		1/13/2020	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		1/13/2020	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		1/13/2020	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		1/13/2020	CJR	1
PAH SIM										
Acenaphthene	4.60	ug/l	0.0094	0.03	1	M8270C	1/9/2020	1/10/2020	NJC	1
Acenaphthylene	0.063	ug/l	0.0156	0.0495	1	M8270C	1/9/2020	1/10/2020	NJC	1
Anthracene	0.175	ug/l	0.015	0.0478	1	M8270C	1/9/2020	1/10/2020	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	1/9/2020	1/10/2020	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	1/9/2020	1/10/2020	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	1/9/2020	1/10/2020	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	1/9/2020	1/10/2020	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	1/9/2020	1/10/2020	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	1/9/2020	1/10/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	1/9/2020	1/10/2020	NJC	1
Fluoranthene	0.05	ug/l	0.0088	0.0281	1	M8270C	1/9/2020	1/10/2020	NJC	1
Fluorene	1.12	ug/l	0.0079	0.0251	1	M8270C	1/9/2020	1/10/2020	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	1/9/2020	1/10/2020	NJC	1
1-Methyl naphthalene	0.28	ug/l	0.0191	0.0609	1	M8270C	1/9/2020	1/10/2020	NJC	1
2-Methyl naphthalene	0.046 "J"	ug/l	0.0186	0.059	1	M8270C	1/9/2020	1/10/2020	NJC	1
Naphthalene	0.059 "J"	ug/l	0.03	0.1	1	M8270C	1/9/2020	1/10/2020	NJC	5
Phenanthrene	0.125	ug/l	0.0143	0.0456	1	M8270C	1/9/2020	1/10/2020	NJC	1
Pyrene	0.0311 "J"	ug/l	0.0121	0.0386	1	M8270C	1/9/2020	1/10/2020	NJC	1

Project Name MOSS AMERICA
Project # 18687

Invoice # E37366

Lab Code 5037366M
Sample ID PZ-01
Sample Matrix Water
Sample Date 1/7/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		1/13/2020	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		1/13/2020	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		1/13/2020	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		1/13/2020	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		1/13/2020	CJR	1
PAH SIM										
Acenaphthene	< 0.0094	ug/l	0.0094	0.03	1	M8270C	1/13/2020	1/14/2020	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	1/13/2020	1/14/2020	NJC	1
Anthracene	< 0.015	ug/l	0.015	0.0478	1	M8270C	1/13/2020	1/14/2020	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	1/13/2020	1/14/2020	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	1/13/2020	1/14/2020	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	1/13/2020	1/14/2020	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	1/13/2020	1/14/2020	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	1/13/2020	1/14/2020	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	1/13/2020	1/14/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	1/13/2020	1/14/2020	NJC	1
Fluoranthene	< 0.0088	ug/l	0.0088	0.0281	1	M8270C	1/13/2020	1/14/2020	NJC	1
Fluorene	< 0.0079	ug/l	0.0079	0.0251	1	M8270C	1/13/2020	1/14/2020	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	1/13/2020	1/14/2020	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	1/13/2020	1/14/2020	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	1/13/2020	1/14/2020	NJC	1
Naphthalene	< 0.03	ug/l	0.03	0.1	1	M8270C	1/13/2020	1/14/2020	NJC	1
Phenanthrene	< 0.0143	ug/l	0.0143	0.0456	1	M8270C	1/13/2020	1/14/2020	NJC	1
Pyrene	< 0.0121	ug/l	0.0121	0.0386	1	M8270C	1/13/2020	1/14/2020	NJC	1

Project Name MOSS AMERICA
 Project # 18687

Invoice # E37366

Lab Code 5037366N
 Sample ID TG5-2
 Sample Matrix Water
 Sample Date 1/7/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		1/13/2020	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		1/13/2020	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		1/13/2020	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		1/13/2020	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		1/13/2020	CJR	1
PAH SIM										
Acenaphthene	0.036	ug/l	0.0094	0.03	1	M8270C	1/13/2020	1/14/2020	NJC	1
Acenaphthylene	0.095	ug/l	0.0156	0.0495	1	M8270C	1/13/2020	1/14/2020	NJC	1
Anthracene	0.12	ug/l	0.015	0.0478	1	M8270C	1/13/2020	1/14/2020	NJC	1
Benzo(a)anthracene	0.055 "J"	ug/l	0.02	0.067	1	M8270C	1/13/2020	1/14/2020	NJC	1
Benzo(a)pyrene	0.091	ug/l	0.0167	0.0531	1	M8270C	1/13/2020	1/14/2020	NJC	1
Benzo(b)fluoranthene	0.10	ug/l	0.016	0.0509	1	M8270C	1/13/2020	1/14/2020	NJC	1
Benzo(g,h,i)perylene	0.152	ug/l	0.0142	0.0451	1	M8270C	1/13/2020	1/14/2020	NJC	1
Benzo(k)fluoranthene	0.027 "J"	ug/l	0.0146	0.0463	1	M8270C	1/13/2020	1/14/2020	NJC	1
Chrysene	0.041 "J"	ug/l	0.0157	0.0499	1	M8270C	1/13/2020	1/14/2020	NJC	1
Dibenzo(a,h)anthracene	0.0225 "J"	ug/l	0.0173	0.0549	1	M8270C	1/13/2020	1/14/2020	NJC	1
Fluoranthene	0.101	ug/l	0.0088	0.0281	1	M8270C	1/13/2020	1/14/2020	NJC	1
Fluorene	< 0.0079	ug/l	0.0079	0.0251	1	M8270C	1/13/2020	1/14/2020	NJC	1
Indeno(1,2,3-cd)pyrene	0.098	ug/l	0.0121	0.0385	1	M8270C	1/13/2020	1/14/2020	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	1/13/2020	1/14/2020	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	1/13/2020	1/14/2020	NJC	1
Naphthalene	< 0.03	ug/l	0.03	0.1	1	M8270C	1/13/2020	1/14/2020	NJC	1
Phenanthrene	0.018 "J"	ug/l	0.0143	0.0456	1	M8270C	1/13/2020	1/14/2020	NJC	1
Pyrene	0.117	ug/l	0.0121	0.0386	1	M8270C	1/13/2020	1/14/2020	NJC	1

Project Name MOSS AMERICA
 Project # 18687

Invoice # E37366

Lab Code 50373660
 Sample ID TG5-1
 Sample Matrix Water
 Sample Date 1/7/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		1/13/2020	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		1/13/2020	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		1/13/2020	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		1/13/2020	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		1/13/2020	CJR	1
PAH SIM										
Acenaphthene	< 0.0094	ug/l	0.0094	0.03	1	M8270C	1/13/2020	1/14/2020	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	1/13/2020	1/14/2020	NJC	1
Anthracene	0.0294 "J"	ug/l	0.015	0.0478	1	M8270C	1/13/2020	1/14/2020	NJC	1
Benzo(a)anthracene	0.0224 "J"	ug/l	0.02	0.067	1	M8270C	1/13/2020	1/14/2020	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	1/13/2020	1/14/2020	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	1/13/2020	1/14/2020	NJC	1
Benzo(g,h,i)perylene	0.0151 "J"	ug/l	0.0142	0.0451	1	M8270C	1/13/2020	1/14/2020	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	1/13/2020	1/14/2020	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	1/13/2020	1/14/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	1/13/2020	1/14/2020	NJC	1
Fluoranthene	0.0097 "J"	ug/l	0.0088	0.0281	1	M8270C	1/13/2020	1/14/2020	NJC	1
Fluorene	0.0088 "J"	ug/l	0.0079	0.0251	1	M8270C	1/13/2020	1/14/2020	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	1/13/2020	1/14/2020	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	1/13/2020	1/14/2020	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	1/13/2020	1/14/2020	NJC	1
Naphthalene	< 0.03	ug/l	0.03	0.1	1	M8270C	1/13/2020	1/14/2020	NJC	1
Phenanthrene	< 0.0143	ug/l	0.0143	0.0456	1	M8270C	1/13/2020	1/14/2020	NJC	1
Pyrene	0.0122 "J"	ug/l	0.0121	0.0386	1	M8270C	1/13/2020	1/14/2020	NJC	1

Project Name MOSS AMERICA
 Project # 18687

Invoice # E37366

Lab Code 5037366P
 Sample ID TG3-2
 Sample Matrix Water
 Sample Date 1/7/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		1/13/2020	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		1/13/2020	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		1/13/2020	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		1/13/2020	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		1/13/2020	CJR	1
PAH SIM										
Acenaphthene	0.127	ug/l	0.0094	0.03	1	M8270C	1/13/2020	1/14/2020	NJC	1
Acenaphthylene	0.0234 "J"	ug/l	0.0156	0.0495	1	M8270C	1/13/2020	1/14/2020	NJC	1
Anthracene	0.072	ug/l	0.015	0.0478	1	M8270C	1/13/2020	1/14/2020	NJC	1
Benzo(a)anthracene	0.034 "J"	ug/l	0.02	0.067	1	M8270C	1/13/2020	1/14/2020	NJC	1
Benzo(a)pyrene	0.0198 "J"	ug/l	0.0167	0.0531	1	M8270C	1/13/2020	1/14/2020	NJC	1
Benzo(b)fluoranthene	0.038 "J"	ug/l	0.016	0.0509	1	M8270C	1/13/2020	1/14/2020	NJC	1
Benzo(g,h,i)perylene	0.033 "J"	ug/l	0.0142	0.0451	1	M8270C	1/13/2020	1/14/2020	NJC	1
Benzo(k)fluoranthene	0.0175 "J"	ug/l	0.0146	0.0463	1	M8270C	1/13/2020	1/14/2020	NJC	1
Chrysene	0.0213 "J"	ug/l	0.0157	0.0499	1	M8270C	1/13/2020	1/14/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	1/13/2020	1/14/2020	NJC	1
Fluoranthene	0.059	ug/l	0.0088	0.0281	1	M8270C	1/13/2020	1/14/2020	NJC	1
Fluorene	0.016 "J"	ug/l	0.0079	0.0251	1	M8270C	1/13/2020	1/14/2020	NJC	1
Indeno(1,2,3-cd)pyrene	0.0236 "J"	ug/l	0.0121	0.0385	1	M8270C	1/13/2020	1/14/2020	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	1/13/2020	1/14/2020	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	1/13/2020	1/14/2020	NJC	1
Naphthalene	< 0.03	ug/l	0.03	0.1	1	M8270C	1/13/2020	1/14/2020	NJC	1
Phenanthrene	0.0239 "J"	ug/l	0.0143	0.0456	1	M8270C	1/13/2020	1/14/2020	NJC	1
Pyrene	0.052	ug/l	0.0121	0.0386	1	M8270C	1/13/2020	1/14/2020	NJC	1

Project Name MOSS AMERICA
 Project # 18687

Invoice # E37366

Lab Code 5037366Q
 Sample ID TG3-1
 Sample Matrix Water
 Sample Date 1/7/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		1/13/2020	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		1/13/2020	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		1/13/2020	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		1/13/2020	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		1/13/2020	CJR	1
PAH SIM										
Acenaphthene	0.167	ug/l	0.0094	0.03	1	M8270C	1/13/2020	1/14/2020	NJC	1
Acenaphthylene	0.0223 "J"	ug/l	0.0156	0.0495	1	M8270C	1/13/2020	1/14/2020	NJC	1
Anthracene	0.072	ug/l	0.015	0.0478	1	M8270C	1/13/2020	1/14/2020	NJC	1
Benzo(a)anthracene	0.0296 "J"	ug/l	0.02	0.067	1	M8270C	1/13/2020	1/14/2020	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	1/13/2020	1/14/2020	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	1/13/2020	1/14/2020	NJC	1
Benzo(g,h,i)perylene	0.0152 "J"	ug/l	0.0142	0.0451	1	M8270C	1/13/2020	1/14/2020	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	1/13/2020	1/14/2020	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	1/13/2020	1/14/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	1/13/2020	1/14/2020	NJC	1
Fluoranthene	0.057	ug/l	0.0088	0.0281	1	M8270C	1/13/2020	1/14/2020	NJC	1
Fluorene	0.056	ug/l	0.0079	0.0251	1	M8270C	1/13/2020	1/14/2020	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	1/13/2020	1/14/2020	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	1/13/2020	1/14/2020	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	1/13/2020	1/14/2020	NJC	1
Naphthalene	< 0.03	ug/l	0.03	0.1	1	M8270C	1/13/2020	1/14/2020	NJC	1
Phenanthrene	0.0209 "J"	ug/l	0.0143	0.0456	1	M8270C	1/13/2020	1/14/2020	NJC	1
Pyrene	0.049	ug/l	0.0121	0.0386	1	M8270C	1/13/2020	1/14/2020	NJC	1

Project Name MOSS AMERICA
 Project # 18687

Invoice # E37366

Lab Code 5037366R
 Sample ID TG2-3
 Sample Matrix Water
 Sample Date 1/7/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		1/14/2020	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		1/14/2020	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		1/14/2020	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		1/14/2020	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		1/14/2020	CJR	1
PAH SIM										
Acenaphthene	< 0.0094	ug/l	0.0094	0.03	1	M8270C	1/13/2020	1/14/2020	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	1/13/2020	1/14/2020	NJC	1
Anthracene	0.0211 "J"	ug/l	0.015	0.0478	1	M8270C	1/13/2020	1/14/2020	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	1/13/2020	1/14/2020	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	1/13/2020	1/14/2020	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	1/13/2020	1/14/2020	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	1/13/2020	1/14/2020	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	1/13/2020	1/14/2020	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	1/13/2020	1/14/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	1/13/2020	1/14/2020	NJC	1
Fluoranthene	0.0175 "J"	ug/l	0.0088	0.0281	1	M8270C	1/13/2020	1/14/2020	NJC	1
Fluorene	< 0.0079	ug/l	0.0079	0.0251	1	M8270C	1/13/2020	1/14/2020	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	1/13/2020	1/14/2020	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	1/13/2020	1/14/2020	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	1/13/2020	1/14/2020	NJC	1
Naphthalene	< 0.03	ug/l	0.03	0.1	1	M8270C	1/13/2020	1/14/2020	NJC	1
Phenanthrene	< 0.0143	ug/l	0.0143	0.0456	1	M8270C	1/13/2020	1/14/2020	NJC	1
Pyrene	0.0145 "J"	ug/l	0.0121	0.0386	1	M8270C	1/13/2020	1/14/2020	NJC	1

Project Name MOSS AMERICA
Project # 18687

Invoice # E37366

Lab Code 5037366S
Sample ID TG2-2
Sample Matrix Water
Sample Date 1/7/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		1/14/2020	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		1/14/2020	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		1/14/2020	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		1/14/2020	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		1/14/2020	CJR	1
PAH SIM										
Acenaphthene	0.067	ug/l	0.0094	0.03	1	M8270C	1/13/2020	1/14/2020	NJC	1
Acenaphthylene	0.061	ug/l	0.0156	0.0495	1	M8270C	1/13/2020	1/14/2020	NJC	1
Anthracene	0.13	ug/l	0.015	0.0478	1	M8270C	1/13/2020	1/14/2020	NJC	1
Benzo(a)anthracene	0.071	ug/l	0.02	0.067	1	M8270C	1/13/2020	1/14/2020	NJC	1
Benzo(a)pyrene	0.069	ug/l	0.0167	0.0531	1	M8270C	1/13/2020	1/14/2020	NJC	1
Benzo(b)fluoranthene	0.169	ug/l	0.016	0.0509	1	M8270C	1/13/2020	1/14/2020	NJC	1
Benzo(g,h,i)perylene	0.13	ug/l	0.0142	0.0451	1	M8270C	1/13/2020	1/14/2020	NJC	1
Benzo(k)fluoranthene	0.051	ug/l	0.0146	0.0463	1	M8270C	1/13/2020	1/14/2020	NJC	1
Chrysene	0.093	ug/l	0.0157	0.0499	1	M8270C	1/13/2020	1/14/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	1/13/2020	1/14/2020	NJC	1
Fluoranthene	0.183	ug/l	0.0088	0.0281	1	M8270C	1/13/2020	1/14/2020	NJC	1
Fluorene	0.0192 "J"	ug/l	0.0079	0.0251	1	M8270C	1/13/2020	1/14/2020	NJC	1
Indeno(1,2,3-cd)pyrene	0.085	ug/l	0.0121	0.0385	1	M8270C	1/13/2020	1/14/2020	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	1/13/2020	1/14/2020	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	1/13/2020	1/14/2020	NJC	1
Naphthalene	< 0.03	ug/l	0.03	0.1	1	M8270C	1/13/2020	1/14/2020	NJC	1
Phenanthrene	0.043 "J"	ug/l	0.0143	0.0456	1	M8270C	1/13/2020	1/14/2020	NJC	1
Pyrene	0.176	ug/l	0.0121	0.0386	1	M8270C	1/13/2020	1/14/2020	NJC	1

Project Name MOSS AMERICA
Project # 18687

Invoice # E37366

Lab Code 5037366T
Sample ID TG2-1
Sample Matrix Water
Sample Date 1/7/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		1/14/2020	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		1/14/2020	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		1/14/2020	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		1/14/2020	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		1/14/2020	CJR	1
PAH SIM										
Acenaphthene	< 0.0094	ug/l	0.0094	0.03	1	M8270C	1/13/2020	1/14/2020	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	1/13/2020	1/14/2020	NJC	1
Anthracene	< 0.015	ug/l	0.015	0.0478	1	M8270C	1/13/2020	1/14/2020	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	1/13/2020	1/14/2020	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	1/13/2020	1/14/2020	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	1/13/2020	1/14/2020	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	1/13/2020	1/14/2020	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	1/13/2020	1/14/2020	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	1/13/2020	1/14/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	1/13/2020	1/14/2020	NJC	1
Fluoranthene	< 0.0088	ug/l	0.0088	0.0281	1	M8270C	1/13/2020	1/14/2020	NJC	1
Fluorene	< 0.0079	ug/l	0.0079	0.0251	1	M8270C	1/13/2020	1/14/2020	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	1/13/2020	1/14/2020	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	1/13/2020	1/14/2020	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	1/13/2020	1/14/2020	NJC	1
Naphthalene	< 0.03	ug/l	0.03	0.1	1	M8270C	1/13/2020	1/14/2020	NJC	1
Phenanthrene	< 0.0143	ug/l	0.0143	0.0456	1	M8270C	1/13/2020	1/14/2020	NJC	1
Pyrene	< 0.0121	ug/l	0.0121	0.0386	1	M8270C	1/13/2020	1/14/2020	NJC	1

Project Name MOSS AMERICA
 Project # 18687

Invoice # E37366

Lab Code 5037366U
 Sample ID TG1-1R
 Sample Matrix Water
 Sample Date 1/7/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		1/14/2020	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		1/14/2020	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		1/14/2020	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		1/14/2020	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		1/14/2020	CJR	1
PAH SIM										
Acenaphthene	1.10	ug/l	0.0094	0.03	1	M8270C	1/13/2020	1/14/2020	NJC	1
Acenaphthylene	0.0192 "J"	ug/l	0.0156	0.0495	1	M8270C	1/13/2020	1/14/2020	NJC	1
Anthracene	0.09	ug/l	0.015	0.0478	1	M8270C	1/13/2020	1/14/2020	NJC	1
Benzo(a)anthracene	0.0248 "J"	ug/l	0.02	0.067	1	M8270C	1/13/2020	1/14/2020	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	1/13/2020	1/14/2020	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	1/13/2020	1/14/2020	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	1/13/2020	1/14/2020	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	1/13/2020	1/14/2020	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	1/13/2020	1/14/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	1/13/2020	1/14/2020	NJC	1
Fluoranthene	0.34	ug/l	0.0088	0.0281	1	M8270C	1/13/2020	1/14/2020	NJC	1
Fluorene	0.0233 "J"	ug/l	0.0079	0.0251	1	M8270C	1/13/2020	1/14/2020	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	1/13/2020	1/14/2020	NJC	1
1-Methyl naphthalene	0.046 "J"	ug/l	0.0191	0.0609	1	M8270C	1/13/2020	1/14/2020	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	1/13/2020	1/14/2020	NJC	1
Naphthalene	< 0.03	ug/l	0.03	0.1	1	M8270C	1/13/2020	1/14/2020	NJC	1
Phenanthrene	0.039 "J"	ug/l	0.0143	0.0456	1	M8270C	1/13/2020	1/14/2020	NJC	1
Pyrene	0.213	ug/l	0.0121	0.0386	1	M8270C	1/13/2020	1/14/2020	NJC	1

Project Name MOSS AMERICA
 Project # 18687

Invoice # E37366

Lab Code 5037366V
 Sample ID TG1-2
 Sample Matrix Water
 Sample Date 1/7/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		1/14/2020	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		1/14/2020	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		1/14/2020	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		1/14/2020	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		1/14/2020	CJR	1
PAH SIM										
Acenaphthene	17.4	ug/l	0.047	0.15	5	M8270C	1/13/2020	1/14/2020	NJC	1
Acenaphthylene	0.122 "J"	ug/l	0.078	0.2475	5	M8270C	1/13/2020	1/14/2020	NJC	1
Anthracene	0.176 "J"	ug/l	0.075	0.239	5	M8270C	1/13/2020	1/14/2020	NJC	1
Benzo(a)anthracene	0.159 "J"	ug/l	0.1	0.335	5	M8270C	1/13/2020	1/14/2020	NJC	1
Benzo(a)pyrene	< 0.0835	ug/l	0.0835	0.2655	5	M8270C	1/13/2020	1/14/2020	NJC	1
Benzo(b)fluoranthene	< 0.08	ug/l	0.08	0.2545	5	M8270C	1/13/2020	1/14/2020	NJC	1
Benzo(g,h,i)perylene	< 0.071	ug/l	0.071	0.2255	5	M8270C	1/13/2020	1/14/2020	NJC	1
Benzo(k)fluoranthene	< 0.073	ug/l	0.073	0.2315	5	M8270C	1/13/2020	1/14/2020	NJC	1
Chrysene	< 0.0785	ug/l	0.0785	0.2495	5	M8270C	1/13/2020	1/14/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.0865	ug/l	0.0865	0.2745	5	M8270C	1/13/2020	1/14/2020	NJC	1
Fluoranthene	0.98	ug/l	0.044	0.1405	5	M8270C	1/13/2020	1/14/2020	NJC	1
Fluorene	3.05	ug/l	0.0395	0.1255	5	M8270C	1/13/2020	1/14/2020	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0605	ug/l	0.0605	0.1925	5	M8270C	1/13/2020	1/14/2020	NJC	1
1-Methyl naphthalene	0.33	ug/l	0.0955	0.3045	5	M8270C	1/13/2020	1/14/2020	NJC	1
2-Methyl naphthalene	< 0.093	ug/l	0.093	0.295	5	M8270C	1/13/2020	1/14/2020	NJC	1
Naphthalene	< 0.15	ug/l	0.15	0.5	5	M8270C	1/13/2020	1/14/2020	NJC	1
Phenanthrene	0.124 "J"	ug/l	0.0715	0.228	5	M8270C	1/13/2020	1/14/2020	NJC	1
Pyrene	0.59	ug/l	0.0605	0.193	5	M8270C	1/13/2020	1/14/2020	NJC	1

Project Name MOSS AMERICA
 Project # 18687

Invoice # E37366

Lab Code 5037366W
 Sample ID PZ-09R
 Sample Matrix Water
 Sample Date 1/7/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		1/14/2020	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		1/14/2020	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		1/14/2020	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		1/14/2020	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		1/14/2020	CJR	1
PAH SIM										
Acenaphthene	31.4	ug/l	0.094	0.3	10	M8270C	1/13/2020	1/14/2020	NJC	1
Acenaphthylene	0.77	ug/l	0.156	0.495	10	M8270C	1/13/2020	1/14/2020	NJC	1
Anthracene	0.33 "J"	ug/l	0.15	0.478	10	M8270C	1/13/2020	1/14/2020	NJC	1
Benzo(a)anthracene	0.76	ug/l	0.2	0.67	10	M8270C	1/13/2020	1/14/2020	NJC	1
Benzo(a)pyrene	0.217 "J"	ug/l	0.167	0.531	10	M8270C	1/13/2020	1/14/2020	NJC	1
Benzo(b)fluoranthene	0.32 "J"	ug/l	0.16	0.509	10	M8270C	1/13/2020	1/14/2020	NJC	1
Benzo(g,h,i)perylene	< 0.142	ug/l	0.142	0.451	10	M8270C	1/13/2020	1/14/2020	NJC	1
Benzo(k)fluoranthene	0.147 "J"	ug/l	0.146	0.463	10	M8270C	1/13/2020	1/14/2020	NJC	1
Chrysene	0.43 "J"	ug/l	0.157	0.499	10	M8270C	1/13/2020	1/14/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.173	ug/l	0.173	0.549	10	M8270C	1/13/2020	1/14/2020	NJC	1
Fluoranthene	4.50	ug/l	0.088	0.281	10	M8270C	1/13/2020	1/14/2020	NJC	1
Fluorene	6.90	ug/l	0.079	0.251	10	M8270C	1/13/2020	1/14/2020	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.121	ug/l	0.121	0.385	10	M8270C	1/13/2020	1/14/2020	NJC	1
1-Methyl naphthalene	0.46 "J"	ug/l	0.191	0.609	10	M8270C	1/13/2020	1/14/2020	NJC	1
2-Methyl naphthalene	< 0.186	ug/l	0.186	0.59	10	M8270C	1/13/2020	1/14/2020	NJC	1
Naphthalene	1.03	ug/l	0.3	1	10	M8270C	1/13/2020	1/14/2020	NJC	1
Phenanthrene	0.244 "J"	ug/l	0.143	0.456	10	M8270C	1/13/2020	1/14/2020	NJC	1
Pyrene	2.05	ug/l	0.121	0.386	10	M8270C	1/13/2020	1/14/2020	NJC	1

Project Name MOSS AMERICA
Project # 18687

Invoice # E37366

Lab Code 5037366X
Sample ID PZ-02
Sample Matrix Water
Sample Date 1/7/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		1/14/2020	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		1/14/2020	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		1/14/2020	CJR	1
m&p-Xylene	0.49 "J"	ug/l	0.43	1.38	1	8260B		1/14/2020	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		1/14/2020	CJR	1
PAH SIM										
Acenaphthene	157	ug/l	0.188	0.6	20	M8270C	1/13/2020	1/14/2020	NJC	1
Acenaphthylene	2.14	ug/l	0.312	0.99	20	M8270C	1/13/2020	1/14/2020	NJC	1
Anthracene	< 0.30	ug/l	0.3	0.956	20	M8270C	1/13/2020	1/14/2020	NJC	1
Benzo(a)anthracene	< 0.40	ug/l	0.4	1.34	20	M8270C	1/13/2020	1/14/2020	NJC	1
Benzo(a)pyrene	< 0.334	ug/l	0.334	1.062	20	M8270C	1/13/2020	1/14/2020	NJC	1
Benzo(b)fluoranthene	< 0.32	ug/l	0.32	1.018	20	M8270C	1/13/2020	1/14/2020	NJC	1
Benzo(g,h,i)perylene	< 0.284	ug/l	0.284	0.902	20	M8270C	1/13/2020	1/14/2020	NJC	1
Benzo(k)fluoranthene	< 0.292	ug/l	0.292	0.926	20	M8270C	1/13/2020	1/14/2020	NJC	1
Chrysene	< 0.314	ug/l	0.314	0.998	20	M8270C	1/13/2020	1/14/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.346	ug/l	0.346	1.098	20	M8270C	1/13/2020	1/14/2020	NJC	1
Fluoranthene	< 0.176	ug/l	0.176	0.562	20	M8270C	1/13/2020	1/14/2020	NJC	1
Fluorene	43.0	ug/l	0.158	0.502	20	M8270C	1/13/2020	1/14/2020	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.242	ug/l	0.242	0.77	20	M8270C	1/13/2020	1/14/2020	NJC	1
1-Methyl naphthalene	1.64	ug/l	0.382	1.218	20	M8270C	1/13/2020	1/14/2020	NJC	1
2-Methyl naphthalene	0.45 "J"	ug/l	0.372	1.18	20	M8270C	1/13/2020	1/14/2020	NJC	1
Naphthalene	30.1	ug/l	0.6	2	20	M8270C	1/13/2020	1/14/2020	NJC	1
Phenanthrene	< 0.286	ug/l	0.286	0.912	20	M8270C	1/13/2020	1/14/2020	NJC	1
Pyrene	< 0.242	ug/l	0.242	0.772	20	M8270C	1/13/2020	1/14/2020	NJC	1

Lab Code 5037366Y
Sample ID DUP-6
Sample Matrix Water
Sample Date 1/7/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		1/14/2020	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		1/14/2020	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		1/14/2020	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		1/14/2020	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		1/14/2020	CJR	1

Project Name MOSS AMERICA
Project # 18687

Invoice # E37366

Lab Code 5037366Z
Sample ID DUP-4
Sample Matrix Water
Sample Date 1/7/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		1/14/2020	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		1/14/2020	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		1/14/2020	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		1/14/2020	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		1/14/2020	CJR	1

Lab Code 537366AA
Sample ID DUP-3
Sample Matrix Water
Sample Date 1/7/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		1/14/2020	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		1/14/2020	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		1/14/2020	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		1/14/2020	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		1/14/2020	CJR	1

Lab Code 537366BB
Sample ID DUP-1
Sample Matrix Water
Sample Date 1/7/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		1/14/2020	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		1/14/2020	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		1/14/2020	CJR	1
m&p-Xylene	0.56 "J"	ug/l	0.43	1.38	1	8260B		1/14/2020	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		1/14/2020	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.
- 2 Relative percent difference failed for laboratory spiked samples.
- 5 The QC blank 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



A handwritten signature in blue ink, appearing to read "Michael J. Steel", is written over a horizontal line.

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 20-Jan-20

Project Name MOSS AMERICA
Project # 18687

Invoice # E37373

Lab Code 5037373A
Sample ID MW-35S
Sample Matrix Water
Sample Date 1/8/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		1/14/2020	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		1/14/2020	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		1/14/2020	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		1/14/2020	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		1/14/2020	CJR	1
PAH SIM										
Acenaphthene	8.30	ug/l	0.0094	0.03	1	M8270C	1/15/2020	1/15/2020	NJC	1
Acenaphthylene	0.068	ug/l	0.0156	0.0495	1	M8270C	1/15/2020	1/15/2020	NJC	1
Anthracene	0.078	ug/l	0.015	0.0478	1	M8270C	1/15/2020	1/15/2020	NJC	1
Benzo(a)anthracene	0.067	ug/l	0.02	0.067	1	M8270C	1/15/2020	1/15/2020	NJC	1
Benzo(a)pyrene	0.032 "J"	ug/l	0.0167	0.0531	1	M8270C	1/15/2020	1/15/2020	NJC	1
Benzo(b)fluoranthene	0.042 "J"	ug/l	0.016	0.0509	1	M8270C	1/15/2020	1/15/2020	NJC	1
Benzo(g,h,i)perylene	0.0254 "J"	ug/l	0.0142	0.0451	1	M8270C	1/15/2020	1/15/2020	NJC	1
Benzo(k)fluoranthene	0.0295 "J"	ug/l	0.0146	0.0463	1	M8270C	1/15/2020	1/15/2020	NJC	1
Chrysene	0.056	ug/l	0.0157	0.0499	1	M8270C	1/15/2020	1/15/2020	NJC	1
Dibenzo(a,h)anthracene	0.0193 "J"	ug/l	0.0173	0.0549	1	M8270C	1/15/2020	1/15/2020	NJC	1
Fluoranthene	0.33	ug/l	0.0088	0.0281	1	M8270C	1/15/2020	1/15/2020	NJC	1
Fluorene	0.161	ug/l	0.0079	0.0251	1	M8270C	1/15/2020	1/15/2020	NJC	1
Indeno(1,2,3-cd)pyrene	0.025 "J"	ug/l	0.0121	0.0385	1	M8270C	1/15/2020	1/15/2020	NJC	1
1-Methyl naphthalene	0.091	ug/l	0.0191	0.0609	1	M8270C	1/15/2020	1/15/2020	NJC	1
2-Methyl naphthalene	0.037 "J"	ug/l	0.0186	0.059	1	M8270C	1/15/2020	1/15/2020	NJC	1
Naphthalene	0.44	ug/l	0.03	0.1	1	M8270C	1/15/2020	1/15/2020	NJC	1
Phenanthrene	0.0263 "J"	ug/l	0.0143	0.0456	1	M8270C	1/15/2020	1/15/2020	NJC	1
Pyrene	0.231	ug/l	0.0121	0.0386	1	M8270C	1/15/2020	1/15/2020	NJC	1

Project Name MOSS AMERICA
Project # 18687

Invoice # E37373

Lab Code 5037373B
Sample ID TG3-3
Sample Matrix Water
Sample Date 1/8/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		1/14/2020	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		1/14/2020	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		1/14/2020	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		1/14/2020	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		1/14/2020	CJR	1
PAH SIM										
Acenaphthene	0.37	ug/l	0.0094	0.03	1	M8270C	1/15/2020	1/15/2020	NJC	1
Acenaphthylene	0.0193 "J"	ug/l	0.0156	0.0495	1	M8270C	1/15/2020	1/15/2020	NJC	1
Anthracene	0.073	ug/l	0.015	0.0478	1	M8270C	1/15/2020	1/15/2020	NJC	1
Benzo(a)anthracene	0.0308 "J"	ug/l	0.02	0.067	1	M8270C	1/15/2020	1/15/2020	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	1/15/2020	1/15/2020	NJC	1
Benzo(b)fluoranthene	0.0245 "J"	ug/l	0.016	0.0509	1	M8270C	1/15/2020	1/15/2020	NJC	1
Benzo(g,h,i)perylene	0.0217 "J"	ug/l	0.0142	0.0451	1	M8270C	1/15/2020	1/15/2020	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	1/15/2020	1/15/2020	NJC	1
Chrysene	0.0207 "J"	ug/l	0.0157	0.0499	1	M8270C	1/15/2020	1/15/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	1/15/2020	1/15/2020	NJC	1
Fluoranthene	0.073	ug/l	0.0088	0.0281	1	M8270C	1/15/2020	1/15/2020	NJC	1
Fluorene	0.06	ug/l	0.0079	0.0251	1	M8270C	1/15/2020	1/15/2020	NJC	1
Indeno(1,2,3-cd)pyrene	0.0152 "J"	ug/l	0.0121	0.0385	1	M8270C	1/15/2020	1/15/2020	NJC	1
1-Methyl naphthalene	0.091	ug/l	0.0191	0.0609	1	M8270C	1/15/2020	1/15/2020	NJC	1
2-Methyl naphthalene	0.063	ug/l	0.0186	0.059	1	M8270C	1/15/2020	1/15/2020	NJC	1
Naphthalene	1.28	ug/l	0.03	0.1	1	M8270C	1/15/2020	1/15/2020	NJC	1
Phenanthrene	0.111	ug/l	0.0143	0.0456	1	M8270C	1/15/2020	1/15/2020	NJC	1
Pyrene	0.058	ug/l	0.0121	0.0386	1	M8270C	1/15/2020	1/15/2020	NJC	1

Project Name MOSS AMERICA
 Project # 18687

Invoice # E37373

Lab Code 5037373C
 Sample ID PZ-03
 Sample Matrix Water
 Sample Date 1/8/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	1.45	ug/l	0.22	0.71	1	8260B		1/14/2020	CJR	1
Ethylbenzene	54	ug/l	0.26	0.83	1	8260B		1/14/2020	CJR	1
Toluene	1.36	ug/l	0.19	0.6	1	8260B		1/14/2020	CJR	1
m&p-Xylene	40	ug/l	0.43	1.38	1	8260B		1/14/2020	CJR	1
o-Xylene	28.9	ug/l	0.29	0.93	1	8260B		1/14/2020	CJR	1
PAH SIM										
Acenaphthene	350	ug/l	5.64	18	600	M8270C	1/15/2020	1/17/2020	NJC	3 64
Acenaphthylene	< 9.36	ug/l	9.36	29.7	600	M8270C	1/15/2020	1/17/2020	NJC	3 64
Anthracene	< 9.00	ug/l	9	28.68	600	M8270C	1/15/2020	1/17/2020	NJC	1
Benzo(a)anthracene	< 12.0	ug/l	12	40.2	600	M8270C	1/15/2020	1/17/2020	NJC	1
Benzo(a)pyrene	< 10.02	ug/l	10.02	31.86	600	M8270C	1/15/2020	1/17/2020	NJC	1
Benzo(b)fluoranthene	< 9.6	ug/l	9.6	30.54	600	M8270C	1/15/2020	1/17/2020	NJC	1
Benzo(g,h,i)perylene	< 8.52	ug/l	8.52	27.06	600	M8270C	1/15/2020	1/17/2020	NJC	1
Benzo(k)fluoranthene	< 8.76	ug/l	8.76	27.78	600	M8270C	1/15/2020	1/17/2020	NJC	1
Chrysene	< 9.42	ug/l	9.42	29.94	600	M8270C	1/15/2020	1/17/2020	NJC	1
Dibenzo(a,h)anthracene	< 10.38	ug/l	10.38	32.94	600	M8270C	1/15/2020	1/17/2020	NJC	1
Fluoranthene	< 5.28	ug/l	5.28	16.86	600	M8270C	1/15/2020	1/17/2020	NJC	1
Fluorene	110	ug/l	4.74	15.06	600	M8270C	1/15/2020	1/17/2020	NJC	3 64
Indeno(1,2,3-cd)pyrene	< 7.26	ug/l	7.26	23.1	600	M8270C	1/15/2020	1/17/2020	NJC	1
1-Methyl naphthalene	270	ug/l	11.46	36.54	600	M8270C	1/15/2020	1/17/2020	NJC	2 75
2-Methyl naphthalene	162	ug/l	11.16	35.4	600	M8270C	1/15/2020	1/17/2020	NJC	1
Naphthalene	4000	ug/l	18	60	600	M8270C	1/15/2020	1/17/2020	NJC	2 75
Phenanthrene	37.0	ug/l	8.58	27.36	600	M8270C	1/15/2020	1/17/2020	NJC	1
Pyrene	< 7.26	ug/l	7.26	23.16	600	M8270C	1/15/2020	1/17/2020	NJC	1

Project Name MOSS AMERICA
 Project # 18687

Invoice # E37373

Lab Code 5037373D
 Sample ID MW-34S-N
 Sample Matrix Water
 Sample Date 1/8/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		1/14/2020	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		1/14/2020	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		1/14/2020	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		1/14/2020	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		1/14/2020	CJR	1
PAH SIM										
Acenaphthene	0.271	ug/l	0.0094	0.03	1	M8270C	1/15/2020	1/15/2020	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	1/15/2020	1/15/2020	NJC	1
Anthracene	< 0.015	ug/l	0.015	0.0478	1	M8270C	1/15/2020	1/15/2020	NJC	1
Benzo(a)anthracene	0.0226 "J"	ug/l	0.02	0.067	1	M8270C	1/15/2020	1/15/2020	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	1/15/2020	1/15/2020	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	1/15/2020	1/15/2020	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	1/15/2020	1/15/2020	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	1/15/2020	1/15/2020	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	1/15/2020	1/15/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	1/15/2020	1/15/2020	NJC	1
Fluoranthene	0.0173 "J"	ug/l	0.0088	0.0281	1	M8270C	1/15/2020	1/15/2020	NJC	1
Fluorene	0.089	ug/l	0.0079	0.0251	1	M8270C	1/15/2020	1/15/2020	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	1/15/2020	1/15/2020	NJC	1
1-Methyl naphthalene	0.231	ug/l	0.0191	0.0609	1	M8270C	1/15/2020	1/15/2020	NJC	1
2-Methyl naphthalene	0.154	ug/l	0.0186	0.059	1	M8270C	1/15/2020	1/15/2020	NJC	1
Naphthalene	3.60	ug/l	0.03	0.1	1	M8270C	1/15/2020	1/15/2020	NJC	1
Phenanthrene	0.037 "J"	ug/l	0.0143	0.0456	1	M8270C	1/15/2020	1/15/2020	NJC	1
Pyrene	0.017 "J"	ug/l	0.0121	0.0386	1	M8270C	1/15/2020	1/15/2020	NJC	1

Project Name MOSS AMERICA
Project # 18687

Invoice # E37373

Lab Code 5037373E
Sample ID TG1-3
Sample Matrix Water
Sample Date 1/8/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		1/15/2020	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		1/15/2020	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		1/15/2020	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		1/15/2020	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		1/15/2020	CJR	1
PAH SIM										
Acenaphthene	1.99	ug/l	0.0094	0.03	1	M8270C	1/15/2020	1/15/2020	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	1/15/2020	1/15/2020	NJC	1
Anthracene	0.0178 "J"	ug/l	0.015	0.0478	1	M8270C	1/15/2020	1/15/2020	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	1/15/2020	1/15/2020	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	1/15/2020	1/15/2020	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	1/15/2020	1/15/2020	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	1/15/2020	1/15/2020	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	1/15/2020	1/15/2020	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	1/15/2020	1/15/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	1/15/2020	1/15/2020	NJC	1
Fluoranthene	0.111	ug/l	0.0088	0.0281	1	M8270C	1/15/2020	1/15/2020	NJC	1
Fluorene	0.189	ug/l	0.0079	0.0251	1	M8270C	1/15/2020	1/15/2020	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	1/15/2020	1/15/2020	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	1/15/2020	1/15/2020	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	1/15/2020	1/15/2020	NJC	1
Naphthalene	0.066 "J"	ug/l	0.03	0.1	1	M8270C	1/15/2020	1/15/2020	NJC	1
Phenanthrene	0.045 "J"	ug/l	0.0143	0.0456	1	M8270C	1/15/2020	1/15/2020	NJC	1
Pyrene	0.057	ug/l	0.0121	0.0386	1	M8270C	1/15/2020	1/15/2020	NJC	1

Lab Code 5037373F
Sample ID DUP-02
Sample Matrix Water
Sample Date 1/8/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	1.38	ug/l	0.22	0.71	1	8260B		1/15/2020	CJR	1
Ethylbenzene	53	ug/l	0.26	0.83	1	8260B		1/15/2020	CJR	1
Toluene	1.37	ug/l	0.19	0.6	1	8260B		1/15/2020	CJR	1
m&p-Xylene	40	ug/l	0.43	1.38	1	8260B		1/15/2020	CJR	1
o-Xylene	28.3	ug/l	0.29	0.93	1	8260B		1/15/2020	CJR	1

Project Name MOSS AMERICA
 Project # 18687

Invoice # E37373

Lab Code 5037373G
 Sample ID TG6-2
 Sample Matrix Water
 Sample Date 1/10/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		1/15/2020	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		1/15/2020	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		1/15/2020	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		1/15/2020	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		1/15/2020	CJR	1
PAH SIM										
Acenaphthene	0.0191 "J"	ug/l	0.0094	0.03	1	M8270C	1/15/2020	1/15/2020	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	1/15/2020	1/15/2020	NJC	1
Anthracene	0.0236 "J"	ug/l	0.015	0.0478	1	M8270C	1/15/2020	1/15/2020	NJC	1
Benzo(a)anthracene	0.0265 "J"	ug/l	0.02	0.067	1	M8270C	1/15/2020	1/15/2020	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	1/15/2020	1/15/2020	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	1/15/2020	1/15/2020	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	1/15/2020	1/15/2020	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	1/15/2020	1/15/2020	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	1/15/2020	1/15/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	1/15/2020	1/15/2020	NJC	1
Fluoranthene	0.067	ug/l	0.0088	0.0281	1	M8270C	1/15/2020	1/15/2020	NJC	1
Fluorene	0.0181 "J"	ug/l	0.0079	0.0251	1	M8270C	1/15/2020	1/15/2020	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	1/15/2020	1/15/2020	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	1/15/2020	1/15/2020	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	1/15/2020	1/15/2020	NJC	1
Naphthalene	0.049 "J"	ug/l	0.03	0.1	1	M8270C	1/15/2020	1/15/2020	NJC	1
Phenanthrene	0.0161 "J"	ug/l	0.0143	0.0456	1	M8270C	1/15/2020	1/15/2020	NJC	1
Pyrene	0.07	ug/l	0.0121	0.0386	1	M8270C	1/15/2020	1/15/2020	NJC	1

Project Name MOSS AMERICA
 Project # 18687

Invoice # E37373

Lab Code 5037373H
 Sample ID MW-J
 Sample Matrix Water
 Sample Date 1/10/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		1/15/2020	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		1/15/2020	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		1/15/2020	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		1/15/2020	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		1/15/2020	CJR	1
PAH SIM										
Acenaphthene	0.0126 "J"	ug/l	0.0094	0.03	1	M8270C	1/15/2020	1/15/2020	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	1/15/2020	1/15/2020	NJC	1
Anthracene	< 0.015	ug/l	0.015	0.0478	1	M8270C	1/15/2020	1/15/2020	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	1/15/2020	1/15/2020	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	1/15/2020	1/15/2020	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	1/15/2020	1/15/2020	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	1/15/2020	1/15/2020	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	1/15/2020	1/15/2020	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	1/15/2020	1/15/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	1/15/2020	1/15/2020	NJC	1
Fluoranthene	0.0104 "J"	ug/l	0.0088	0.0281	1	M8270C	1/15/2020	1/15/2020	NJC	1
Fluorene	< 0.0079	ug/l	0.0079	0.0251	1	M8270C	1/15/2020	1/15/2020	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	1/15/2020	1/15/2020	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	1/15/2020	1/15/2020	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	1/15/2020	1/15/2020	NJC	1
Naphthalene	0.163	ug/l	0.03	0.1	1	M8270C	1/15/2020	1/15/2020	NJC	1
Phenanthrene	0.0157 "J"	ug/l	0.0143	0.0456	1	M8270C	1/15/2020	1/15/2020	NJC	1
Pyrene	< 0.0121	ug/l	0.0121	0.0386	1	M8270C	1/15/2020	1/15/2020	NJC	1

Project Name MOSS AMERICA
 Project # 18687

Invoice # E37373

Lab Code 5037373I
 Sample ID MW-B
 Sample Matrix Water
 Sample Date 1/10/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		1/15/2020	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		1/15/2020	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		1/15/2020	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		1/15/2020	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		1/15/2020	CJR	1
PAH SIM										
Acenaphthene	0.046	ug/l	0.0094	0.03	1	M8270C	1/15/2020	1/15/2020	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	1/15/2020	1/15/2020	NJC	1
Anthracene	< 0.015	ug/l	0.015	0.0478	1	M8270C	1/15/2020	1/15/2020	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	1/15/2020	1/15/2020	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	1/15/2020	1/15/2020	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	1/15/2020	1/15/2020	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	1/15/2020	1/15/2020	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	1/15/2020	1/15/2020	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	1/15/2020	1/15/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	1/15/2020	1/15/2020	NJC	1
Fluoranthene	< 0.0088	ug/l	0.0088	0.0281	1	M8270C	1/15/2020	1/15/2020	NJC	1
Fluorene	0.0245 "J"	ug/l	0.0079	0.0251	1	M8270C	1/15/2020	1/15/2020	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	1/15/2020	1/15/2020	NJC	1
1-Methyl naphthalene	0.044 "J"	ug/l	0.0191	0.0609	1	M8270C	1/15/2020	1/15/2020	NJC	1
2-Methyl naphthalene	0.039 "J"	ug/l	0.0186	0.059	1	M8270C	1/15/2020	1/15/2020	NJC	1
Naphthalene	0.40	ug/l	0.03	0.1	1	M8270C	1/15/2020	1/15/2020	NJC	1
Phenanthrene	0.0218 "J"	ug/l	0.0143	0.0456	1	M8270C	1/15/2020	1/15/2020	NJC	1
Pyrene	< 0.0121	ug/l	0.0121	0.0386	1	M8270C	1/15/2020	1/15/2020	NJC	1

Project Name MOSS AMERICA
 Project # 18687

Invoice # E37373

Lab Code 5037373J
 Sample ID MW-E
 Sample Matrix Water
 Sample Date 1/10/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		1/15/2020	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		1/15/2020	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		1/15/2020	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		1/15/2020	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		1/15/2020	CJR	1
PAH SIM										
Acenaphthene	< 0.0094	ug/l	0.0094	0.03	1	M8270C	1/15/2020	1/15/2020	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	1/15/2020	1/15/2020	NJC	1
Anthracene	< 0.015	ug/l	0.015	0.0478	1	M8270C	1/15/2020	1/15/2020	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	1/15/2020	1/15/2020	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	1/15/2020	1/15/2020	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	1/15/2020	1/15/2020	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	1/15/2020	1/15/2020	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	1/15/2020	1/15/2020	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	1/15/2020	1/15/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	1/15/2020	1/15/2020	NJC	1
Fluoranthene	< 0.0088	ug/l	0.0088	0.0281	1	M8270C	1/15/2020	1/15/2020	NJC	1
Fluorene	< 0.0079	ug/l	0.0079	0.0251	1	M8270C	1/15/2020	1/15/2020	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	1/15/2020	1/15/2020	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	1/15/2020	1/15/2020	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	1/15/2020	1/15/2020	NJC	1
Naphthalene	< 0.03	ug/l	0.03	0.1	1	M8270C	1/15/2020	1/15/2020	NJC	1
Phenanthrene	< 0.0143	ug/l	0.0143	0.0456	1	M8270C	1/15/2020	1/15/2020	NJC	1
Pyrene	< 0.0121	ug/l	0.0121	0.0386	1	M8270C	1/15/2020	1/15/2020	NJC	1

Project Name MOSS AMERICA
 Project # 18687

Invoice # E37373

Lab Code 5037373K
 Sample ID MW-F
 Sample Matrix Water
 Sample Date 1/10/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		1/15/2020	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		1/15/2020	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		1/15/2020	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		1/15/2020	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		1/15/2020	CJR	1
PAH SIM										
Acenaphthene	< 0.0094	ug/l	0.0094	0.03	1	M8270C	1/15/2020	1/15/2020	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	1/15/2020	1/15/2020	NJC	1
Anthracene	< 0.015	ug/l	0.015	0.0478	1	M8270C	1/15/2020	1/15/2020	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	1/15/2020	1/15/2020	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	1/15/2020	1/15/2020	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	1/15/2020	1/15/2020	NJC	1
Benzo(g,h,i)perylene	0.0282 "J"	ug/l	0.0142	0.0451	1	M8270C	1/15/2020	1/15/2020	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	1/15/2020	1/15/2020	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	1/15/2020	1/15/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	1/15/2020	1/15/2020	NJC	1
Fluoranthene	0.0088 "J"	ug/l	0.0088	0.0281	1	M8270C	1/15/2020	1/15/2020	NJC	1
Fluorene	< 0.0079	ug/l	0.0079	0.0251	1	M8270C	1/15/2020	1/15/2020	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	1/15/2020	1/15/2020	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	1/15/2020	1/15/2020	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	1/15/2020	1/15/2020	NJC	1
Naphthalene	0.04 "J"	ug/l	0.03	0.1	1	M8270C	1/15/2020	1/15/2020	NJC	1
Phenanthrene	< 0.0143	ug/l	0.0143	0.0456	1	M8270C	1/15/2020	1/15/2020	NJC	1
Pyrene	0.0166 "J"	ug/l	0.0121	0.0386	1	M8270C	1/15/2020	1/15/2020	NJC	1

Project Name MOSS AMERICA
Project # 18687

Invoice # E37373

Lab Code 5037373L
Sample ID MW-H
Sample Matrix Water
Sample Date 1/10/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		1/15/2020	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		1/15/2020	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		1/15/2020	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		1/15/2020	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		1/15/2020	CJR	1
PAH SIM										
Acenaphthene	< 0.0094	ug/l	0.0094	0.03	1	M8270C	1/15/2020	1/15/2020	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	1/15/2020	1/15/2020	NJC	1
Anthracene	< 0.015	ug/l	0.015	0.0478	1	M8270C	1/15/2020	1/15/2020	NJC	1
Benzo(a)anthracene	0.0264 "J"	ug/l	0.02	0.067	1	M8270C	1/15/2020	1/15/2020	NJC	1
Benzo(a)pyrene	0.0192 "J"	ug/l	0.0167	0.0531	1	M8270C	1/15/2020	1/15/2020	NJC	1
Benzo(b)fluoranthene	0.036 "J"	ug/l	0.016	0.0509	1	M8270C	1/15/2020	1/15/2020	NJC	1
Benzo(g,h,i)perylene	0.0235 "J"	ug/l	0.0142	0.0451	1	M8270C	1/15/2020	1/15/2020	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	1/15/2020	1/15/2020	NJC	1
Chrysene	0.0187 "J"	ug/l	0.0157	0.0499	1	M8270C	1/15/2020	1/15/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	1/15/2020	1/15/2020	NJC	1
Fluoranthene	0.034	ug/l	0.0088	0.0281	1	M8270C	1/15/2020	1/15/2020	NJC	1
Fluorene	< 0.0079	ug/l	0.0079	0.0251	1	M8270C	1/15/2020	1/15/2020	NJC	1
Indeno(1,2,3-cd)pyrene	0.0172 "J"	ug/l	0.0121	0.0385	1	M8270C	1/15/2020	1/15/2020	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	1/15/2020	1/15/2020	NJC	1
2-Methyl naphthalene	< 0.0186	ug/l	0.0186	0.059	1	M8270C	1/15/2020	1/15/2020	NJC	1
Naphthalene	0.128	ug/l	0.03	0.1	1	M8270C	1/15/2020	1/15/2020	NJC	1
Phenanthrene	0.0205 "J"	ug/l	0.0143	0.0456	1	M8270C	1/15/2020	1/15/2020	NJC	1
Pyrene	0.0294 "J"	ug/l	0.0121	0.0386	1	M8270C	1/15/2020	1/15/2020	NJC	1

Lab Code 5037373M
Sample ID DUP. 5
Sample Matrix Water
Sample Date 1/10/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		1/16/2020	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		1/16/2020	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		1/16/2020	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		1/16/2020	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		1/16/2020	CJR	1

Project Name MOSS AMERICA
Project # 18687

Invoice # E37373

Lab Code 5037373N
Sample ID EQUIP
Sample Matrix Water
Sample Date 1/10/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		1/16/2020	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		1/16/2020	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		1/16/2020	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		1/16/2020	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		1/16/2020	CJR	1

Lab Code 5037373O
Sample ID TRIP
Sample Matrix Water
Sample Date 1/10/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
BTEX										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		1/16/2020	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		1/16/2020	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		1/16/2020	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		1/16/2020	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		1/16/2020	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.
- 2 Relative percent difference failed for laboratory spiked samples.
- 3 The matrix spike not within established limits.
- 64 Spike recovery failed due to matrix interference.
- 75 RPD failed due to matrix interference.

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

Authorized Signature