TABLES

Table 1
Presence of Permangante and LNAPL in Soil
AOI 7, MHIC

Boring ID	Soil Depth Interval	Description
Permanganate		
MW-56D	24' to 27'	Purple staining in silty sand; moist
MW-536RD	15' to 19'	Purple staining in silty sand; wet
MW-537RD	10' to 12'	Purple staining in sand; wet
MW-561D	11' to 15'	Purple soils; sand and gravel; wet
MW-562D	10' to 14'	Purple soils; sand and silt; wet
MW-606D	11' to 14'	Purple staining in sandy silt with gravel; moist
LNAPL		
MW-56D	6' to 20'	Petroleum odor; clayey silt with sand and gravel; black; highest PID (171 ppm) at ~15.5 ft bgs
MW-558D	9.5' to 15'	Petroleum odor; wood*; highest PID (49.6 ppm) at ~15 ft bgs
MW-562D	11.5' to 15'	Petroleum odor and sheen; brown/black; sand with silt; highest PID (442 ppm) at ~13 ft bgs
MW-565D	7' to 12'	Petroleum odor and staining; black/dark gray; silty sand with gravel; highest PID (57.5 ppm) at ~13.5 ft bgs
MW-607D	10' to 18'	Petroleum odor and sheen; black/gray; silt with some gravel; highest PID (430 ppm) at ~13 ft bgs

Notes:
1. "*" indicates that wood was encountered due to historic sheet pile wall.
2. "ft bgs" indicates feet below ground surface
   "LNAPL" indicates Light Non-Aqueous Phase Liquid
   "PID" indicates Photoionization Detector
   "ppm" indicates parts per million

Table 2
Groundwater Elevation Summary
May 2021 and August 2021
AOI 7, MHIC

Well ID	Shallow / Deep	Top of Inner Casing Elevation (ft AMSL) (NAVD88)	Measurement Date	Product Density	Depth to Product (ft below Top of Inner Casing)	Depth to Water (ft below Top of Inner Casing)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft AMSL) (NAVD88)
AOI 7 Wells								
MW-48	Shallow	9.91	5/14/2021			7.12		2.79
MW-48	Shallow	14.43	8/18/2021			7.72		6.71
MW-53	Shallow	17.34	5/14/2021			7.00		10.34
MW-53	Shallow	21.59	8/18/2021			7.23		14.36
MW-55	Shallow	14.54	5/14/2021	0.90	6.46	All product		--
MW-55	Shallow	14.54	8/18/2021	0.90	6.28	6.28	Trace	8.26
MW-56	Shallow	12.43	5/14/2021	0.90	Trace	7.18		5.25
MW-56	Shallow	17.85	8/18/2021			9.99		7.86
MW-56D	Deep	14.90	8/18/2021	0.90	10.02	10.02	Trace	4.88
MW-57	Shallow	11.34	5/14/2021			7.19		4.15
MW-57	Shallow	11.34	8/18/2021			3.86		7.48
MW-182	Shallow	11.86	5/14/2021	0.91	9.94	10.05	0.11	1.91
MW-182	Shallow	11.86	8/18/2021	0.91	10.00	10.60	0.60	1.81
MW-184	Shallow	11.72	5/14/2021			9.53		2.19
MW-184	Shallow	11.72	8/18/2021	0.91	10.20	10.20	Trace	1.52
MW-187	Shallow	11.63	5/14/2021	0.91	10.98	10.98	Trace	0.65
MW-187	Shallow	11.78	8/18/2021	0.91	10.61	10.65	0.04	1.17
MW-293	Shallow	13.92	5/14/2021			4.97		8.95
MW-293	Shallow	13.92	8/18/2021			5.15		8.77
MW-293D	Deep	12.90	8/18/2021			14.09		-1.19
MW-509	Shallow	12.36	5/14/2021			7.86		4.50
MW-509	Shallow	12.36	8/18/2021			6.02		6.34
MW-509D	Deep	12.63	8/18/2021			11.05		1.58
MW-527L	Deep	10.52	5/14/2021			6.51		4.01
MW-527L	Deep	10.52	8/18/2021			6.83		3.69
MW-527U	Shallow	13.75	5/14/2021			15.03		-1.28
MW-527U	Shallow	13.75	8/18/2021			13.58		0.17
MW-528L	Deep	11.08	5/14/2021			9.06		2.02
MW-528L	Deep	11.08	8/18/2021			8.81		2.27
MW-528U	Shallow	11.12	5/14/2021			8.97		2.15
MW-528U	Shallow	11.12	8/18/2021			9.21		1.91
MW-529L	Deep	12.73	5/14/2021			10.69		2.04
MW-529L	Deep	12.73	8/18/2021	0.90	10.05	10.05	Trace	2.68
MW-529U	Shallow	12.76	5/14/2021	0.90	10.21	11.22	1.01	2.45
MW-529U	Shallow	12.76	8/18/2021			11.02		1.74
MW-530L	Deep	9.04	5/14/2021			7.54		1.50
MW-530L	Deep	9.04	8/18/2021			7.00		2.04
MW-530U	Shallow	9.26	5/14/2021			7.74		1.52
MW-530U	Shallow	9.26	8/18/2021			7.23		2.03

Table 2
Groundwater Elevation Summary
May 2021 and August 2021
AOI 7, MHIC

Well ID	Shallow / Deep	Top of Inner Casing Elevation (ft AMSL) (NAVD88)	Measurement Date	Product Density	Depth to Product (ft below Top of Inner Casing)	Depth to Water (ft below Top of Inner Casing)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft AMSL) (NAVD88)
AOI 7 Wells								
MW-531L	Deep	9.85	5/14/2021	0.90	Trace	7.92	Trace	1.93
MW-531L	Deep	9.85	8/18/2021			7.73		2.12
MW-531U	Shallow	10.04	5/14/2021			8.32		1.72
MW-531U	Shallow	10.04	8/18/2021			7.91		2.13
MW-532L	Deep	12.88	5/14/2021			11.92		0.96
MW-532L	Deep	12.88	8/18/2021			11.29		1.59
MW-532U	Shallow	12.67	5/14/2021	0.90	8.51	11.57	3.06	3.85
MW-532U	Shallow	12.67	8/18/2021	0.90	7.51	9.31	1.80	4.98
MW-533L	Deep	11.38	5/14/2021			7.45		3.93
MW-533L	Deep	11.38	8/18/2021			8.18		3.20
MW-533U	Shallow	11.41	5/14/2021			6.93		4.48
MW-533U	Shallow	11.41	8/18/2021			7.67		3.74
MW-534L	Deep	14.60	5/14/2021	0.90	9.27	19.14	9.87	4.34
MW-534L	Deep	14.60	8/18/2021	0.90	7.51	7.60	0.09	7.08
MW-534U	Shallow	14.60	5/14/2021	0.90	7.82	17.64	9.82	5.80
MW-534U	Shallow	14.60	8/18/2021	0.90	5.75	7.84	2.09	8.64
MW-536RS	Shallow	16.81	8/18/2021			14.93		1.88
MW-536RD	Deep	16.62	8/18/2021			14.91		1.71
MW-537RS	Shallow	15.95	8/18/2021			14.36		1.59
MW-537RD	Deep	15.85	8/18/2021			14.50		1.35
MW-538	Shallow	10.49	5/14/2021			9.79		0.70
MW-538	Shallow	10.49	8/18/2021			9.51		0.98
MW-540	Shallow	10.73	5/14/2021			9.52		1.21
MW-540	Shallow	10.73	8/18/2021			9.52		1.21
MW-541	Shallow	13.06	5/14/2021			12.16		0.90
MW-541	Shallow	13.06	8/18/2021			11.05		2.01
MW-557	Shallow	9.79	5/14/2021			5.26		4.53
MW-557	Shallow	9.79	8/18/2021			7.80		1.99
MW-558	Shallow	12.59	5/14/2021	0.90	9.78	9.81	0.03	2.81
MW-558	Shallow	10.32	8/18/2021	0.90	8.65	9.11	0.46	1.62
MW-558D	Deep	12.47	8/10/2021			10.97		1.50
MW-559	Shallow	9.79	5/14/2021			9.79		0.00

Table 2
Groundwater Elevation Summary
May 2021 and August 2021
AOI 7, MHIC

Well ID	Shallow / Deep	Top of Inner Casing Elevation (ft AMSL) (NAVD88)	Measurement Date	Product Density	Depth to Product (ft below Top of Inner Casing)	Depth to Water (ft below Top of Inner Casing)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft AMSL) (NAVD88)
AOI7 Wells								
MW-559	Shallow	9.79	8/18/2021			10.71		-0.92
MW-560	Shallow	8.89	5/14/2021			8.42		0.47
MW-560	Shallow	8.89	8/18/2021			7.30		1.59
MW-561	Shallow	13.05	5/14/2021			5.64		7.41
MW-561	Shallow	13.05	8/18/2021			5.31		7.74
MW-561D	Deep	12.97	8/18/2021			10.22		2.75
MW-562	Shallow	13.23	5/14/2021	0.90	7.35	15.26	7.91	5.09
MW-562	Shallow	13.23	8/18/2021	0.90	8.45	17.41	8.96	3.88
MW-562D	Deep	13.08	8/18/2021			9.56		3.52
MW-565S	Shallow	14.03	8/18/2021			4.31		9.72
MW-565D	Deep	13.99	8/18/2021			4.87		9.12
MW-606S	Shallow	17.87	8/18/2021			16.19		1.68
MW-606D	Deep	17.77	8/18/2021			16.45		1.32
MW-607S	Shallow	14.23	8/18/2021	0.90	10.66	12.97	2.31	3.34
MW-607D	Deep	14.20	8/18/2021	0.90	12.88	15.41	2.53	1.07
Staff Gauge 1	-	-	5/14/2021			-		2.92
Staff Gauge 1	-	-	8/18/2021			-		3.66
Staff Gauge 2	-	-	5/14/2021			-		2.83
Staff Gauge 2	-	-	8/18/2021			-		3.50
SWMU 9 Wells								
MW-14	Shallow	16.69	8/18/2021			12.99		3.70
MW-15	Shallow	14.12	8/18/2021			10.63		3.49
MW-16	Shallow	11.1	8/18/2021			9.41		1.69
MW-17	Shallow	13.6	8/18/2021			11.23		2.37
MW-18	Shallow	17.49	8/18/2021			14.33		3.16
MW-19	Shallow	16.22	8/18/2021			12.61		3.61
MW-122	Deep	16.31	8/18/2021			13.92		2.39
MW-123S	Shallow	12.95	8/18/2021			10.22		2.73
MW-123D	Deep	12.73	8/18/2021			11.49		1.24
MW-124S	Shallow	11.32	8/18/2021			8.97		2.35
MW-124D	Deep	11.16	8/18/2021			10.05		1.11
SM9-MW-1	Deep	20.91	8/18/2021	Could not access				
SWMU9-MW-1	Deep	45.17	8/18/2021	Could not access				
SWMU9-MW-2	Deep	30.27	8/18/2021	Could not access				

Notes:
1. "ft AMSL" indicates feet above mean sea level
2. "NAVD88" indicates North American vertical datum of 1988
3. Top of Inner Casing Elevation value for MW-558 differs from May 2021 to August 2021 events due to cutting of well casing for drill rig access in July 2021.
4. Groundwater and surface water level readings from May 14, 2021 were in mid-tide conditions.
5. Water level readings from August 18, 2021 were in mid-tide to low-tide conditions in groundwater. Surface water elevations were collected at mid-tide to high tide.

Table 3
Vertical Hydraulic Gradients
AOI 7, MHIC

Well ID	GW Elevation (ft AMSL)	Vertical Hydraulic Gradient (ft/ft)	Flow Direction
MW-56S	7.86	-0.187	Down
MW-56D	4.88		
MW-293S	8.77	-0.432	Down
MW-293D	2.41		
MW-509S	6.34	-0.299	Down
MW-509D	1.58		
MW-527L	3.69	0.256	Up
MW-527U	0.17		
MW-528L	2.27	0.0297	Up
MW-528U	1.91		
MW-529L	2.68	0.0628	Up
MW-529U	1.74		
MW-530L	2.04	0.000813	Up
MW-530U	2.03		
MW-531L	2.12	-0.000702	Down
MW-531U	2.13		
MW-532L	1.59	-0.204	Down
MW-532U	4.98		
MW-533L	3.2	-0.0318	Down
MW-533U	3.74		
MW-534L	7.081	-0.102	Down
MW-534U	8.641		
MW-536RS	1.88	-0.0115	Down
MW-536RD	1.71		
MW-537RS	1.59	-0.0167	Down
MW-537RD	1.35		
MW-558S	1.624	-0.329	Down
MW-558D	-3.12		
MW-561S	7.74	-0.332	Down
MW-561D	2.75		
MW-562S	3.884	-0.0255	Down
MW-562D	3.52		
MW-565S	9.72	-0.0403	Down
MW-565D	9.12		
MW-606S	1.68	-0.0239	Down
MW-606D	1.32		
MW-607S	3.339	-0.148	Down
MW-607D	1.067		
MW-123S	2.73	-0.0143	Down
MW-123D	1.24		
MW-124S	2.35	-0.0827	Down
MW-124D	1.11		

Notes:

1. "ft AMSL" indicates feet above mean sea level
2. Negative vertical hydraulic gradient values represent a downward gradient

Table 4
Middle Creek Survey Data
AOI 7, MHIC

Point No.	Northing	Easting	Elevation	Description	Latitude(dd.mmssss)	Longitude(dd.mmssss)
9505	181,011.5	2,620,546.5	9.1	GS	39.482412	-75.254416
9506	181,006.7	2,620,539.5	8.7	TS	39.482408	-75.254425
9507	181,003.0	2,620,531.2	3.9	GS	39.482404	-75.254436
9508	181,003.2	2,620,529.3	2.9	BS	39.482405	-75.254438
9509	180,998.6	2,620,521.0	-0.1	BS	39.482400	-75.254449
9510	180,993.9	2,620,511.7	-0.9	TS	39.482396	-75.254461
9511	180,992.0	2,620,508.7	-1.7	BS	39.482394	-75.254465
9512	180,988.7	2,620,507.2	-1.9	CL	39.482391	-75.254467
9513	180,987.0	2,620,504.8	-1.8	BS	39.482389	-75.254470
9514	180,985.3	2,620,499.7	0.1	TS	39.482388	-75.254477
9515	180,981.0	2,620,495.4	0.8	GS	39.482384	-75.254482
9516	180,980.6	2,620,489.6	2.0	GS	39.482383	-75.254490
9518	180,979.2	2,620,488.6	6.1	TS	39.482382	-75.254491
9519	180,973.9	2,620,479.2	6.6	GS	39.482377	-75.254503
9525	180,799.4	2,620,669.2	8.8	TS	39.482200	-75.254266
9526	180,795.3	2,620,660.4	3.0	GS	39.482196	-75.254277
9527	180,792.2	2,620,654.5	-0.3	BS	39.482193	-75.254285
9528	180,790.3	2,620,651.5	-0.8	GS	39.482191	-75.254289
9529	180,788.2	2,620,647.7	-1.1	TS	39.482189	-75.254294
9530	180,787.0	2,620,645.0	-1.9	BS	39.482188	-75.254297
9531	180,767.3	2,620,614.6	9.4	GS	39.482169	-75.254337
9532	180,764.2	2,620,610.2	9.7	TS	39.482166	-75.254342
9533	180,771.0	2,620,620.2	8.9	TS	39.482173	-75.254330
9534	180,777.7	2,620,627.3	4.3	GS	39.482179	-75.254320
9535	180,777.4	2,620,630.7	1.8	TS	39.482179	-75.254316
9536	180,781.4	2,620,637.5	-0.9	TS	39.482183	-75.254307
9537	180,782.4	2,620,638.9	-1.7	BS	39.482184	-75.254305
9538	180,784.1	2,620,640.9	-2.1	GS	39.482185	-75.254303
9617	180,607.3	2,620,806.8	9.6	GS	39.482006	-75.254096

Table 4
Middle Creek Survey Data
AOI 7, MHIC

Point No.	Northing	Easting	Elevation	Description	Latitude(dd.mmssss)	Longitude(dd.mmssss)
9618	180,604.7	2,620,802.7	9.7	TS	39.482004	-75.254101
9619	180,603.2	2,620,800.4	8.4	GS	39.482002	-75.254104
9620	180,598.5	2,620,794.4	4.3	GS	39.481998	-75.254112
9621	180,593.6	2,620,787.2	-0.4	BS	39.481993	-75.254122
9622	180,589.5	2,620,780.8	-2.2	BS	39.481989	-75.254130
9623	180,588.0	2,620,779.3	-2.3	GS	39.481988	-75.254132
9624	180,586.7	2,620,778.2	-2.7	GS	39.481987	-75.254133
9627	180,567.6	2,620,740.4	9.1	CF	39.481969	-75.254182
9628	180,570.5	2,620,746.7	9.1	TS	39.481972	-75.254174
9629	180,573.9	2,620,751.5	7.8	GS	39.481975	-75.254168
9630	180,578.1	2,620,756.5	3.2	GS	39.481979	-75.254161
9631	180,578.6	2,620,756.8	1.9	BS	39.481979	-75.254161
9632	180,584.0	2,620,766.9	-1.7	BS	39.481984	-75.254148
9633	180,586.5	2,620,768.6	-2.5	GS	39.481987	-75.254146
9634	180,587.2	2,620,770.0	-2.8	CL	39.481987	-75.254144

Notes:
1. Horizontal Datum is referenced to PaSPCS(South) NAD 1983(2011) in US Feet.
2. Vertical Datum is referenced to NAVD 1988 in US Feet.
3. "GS" indicates ground shot.
   "TS" indicates top of slope.
   "BS" indicates bottom of slope.
   "CL" indicates centerline.
   "CF" indicates chain link fence.

Table 5
Summary of Completed Field Activities
May 2021 - August 2021
AOI 7, MHIC

Year	Month	Soil	Groundwater	NAPL
2021	May		•Total arsenic/iron samples at 34 wells •Dissolved arsenic/iron at 34 wells •Gauging round at 34 wells and 2 staff gauges in Middle Creek	
2021	July	•17 soil borings (16 borings down to 30 ft bgs and 1 boring down to 35 ft bgs) and soil characterization every 5-foot interval •118 samples for total arsenic/iron •16 samples for GRO/DRO	•Install 16 monitoring wells •These include 5 nested wells pairs and 6 deep wells paired with existing shallow wells •Shallow wells were completed to 15 ft bgs (except for MW-606S that was completed to 20 ft bgs) •Deep wells were completed to 30 ft bgs (except for MW-606D that was completed to 35 ft bgs	•2 LNAPL samples (MW-182 and MW-534D) for total arsenic/iron
2021	August		•Total arsenic/iron samples from 16 AOI 7 monitoring wells installed in 2021 and 1 existing monitoring well •Dissolved arsenic/iron samples from 16 AOI 7 monitoring wells installed in 2021 and 1 existing monitoring well •Arsenic speciation samples from 10 AOI 7 monitoring wells installed in 2021 •Phosphate samples from 10 AOI 7 monitoring wells installed in 2021 •Sulfate samples from 10 AOI 7 monitoring wells installed in 2021 •Full groundwater gauging round from 10 wells on Honeywell/SWMU 9 and 50 wells on AOI 7	•1 LNAPL sample (MW-607D) for total arsenic/iron

Notes:
1. "ft bgs" indicates feet below ground surface
   "LNAPL" indicates Light Non-Aqueous Phase Liquid
   "DRO" indicates Diesel Range Organics
   "GRO" indicates Gasoline Range Organics

Table 6
Well Construction Summary
AOI 7, MHIC

Well ID	Shallow / Deep	Date of Installation	Ground Surface Elevation (ft AMSL - NAVD88)	Northing	Easting	Top of Inner Casing Elevation (ft AMSL - NAVD88)	Top of Screen Elevation (ft AMSL - NAVD88)	Bottom of Screen Elevation (ft AMSL - NAVD88)
MW-56D	Deep	7/21/2021	12.9	180689.4	2621198.13	14.90	-7.1	-16.8
MW-293D	Deep	7/15/2021	10.6	180846	2620715.53	12.90	-9.4	-18.5
MW-509D	Deep	7/20/2021	10.4	180612.49	2620851.74	12.63	-9.6	-18.5
MW-536RS	Shallow	7/23/2021	14.1	181075.69	2620611.18	16.62	9.1	-0.7
MW-536RD	Deep	7/23/2021	14.1	181075.69	2620611.18	16.81	-5.9	-15.0
MW-537RS	Shallow	7/26/2021	12.7	181249.6	2620480.11	15.85	7.7	-1.9
MW-537RD	Deep	7/26/2021	12.7	181249.6	2620480.11	15.95	-7.3	-16.7
MW-558D	Deep	7/29/2021	9.6	180695.6	2620663.1	12.47	-10.4	-19.1
MW-561D	Deep	7/22/2021	10.4	181235.32	2621174.68	12.97	-9.6	-19.2
MW-562D	Deep	7/22/2021	10.8	181103.45	2620905.25	13.08	-9.2	-19.1
MW-565S	Shallow	7/15/2021	10.8	180992.56	2620811.36	13.99	5.8	-4.1
MW-565D	Deep	7/15/2021	10.8	180992.56	2620811.36	14.03	-9.2	-19.3
MW-606S	Shallow	7/27/2021	15.5	180460.46	2620917.89	17.77	5.5	-3.0
MW-606D	Deep	7/27/2021	15.5	180460.46	2620917.89	17.87	-9.5	-18.3
MW-607S	Shallow	7/21/2021	11.5	180679.34	2621087.57	14.2	6.5	-3.9
MW-607D	Deep	7/21/2021	11.5	180679.34	2621087.57	14.23	-8.5	-18.1

Notes:
1. Vertical Datum is referenced to NAVD 1988 in US Feet.
2. "ft bgs" indicates feet below ground surface.

Table 7
Summary of Metals Analytical Results - Soil
Data Validation in Progress
AOI 7, MHIC

Sample Location	Sample Date	Sample Type	Start Depth (ft)	End Depth (ft)	Concentrations in mg/kg	
					Arsenic	Iron
				USEPA RSLs - Industrial Soil	**3**	**820,000**
AOI7-BH-21-001	07/19/21	N	0	6	**4.4**	53,000
AOI7-BH-21-001	07/28/21	N	6	10	**20**	45,000
AOI7-BH-21-001	07/28/21	N	10	15	**16 J**	34,000
AOI7-BH-21-001	07/28/21	N	15	20	**3.7**	12,000
AOI7-BH-21-001	07/28/21	FD	15	20	**5.6**	19,000
AOI7-BH-21-001	07/28/21	N	20	25	**9.4**	22,000
AOI7-BH-21-001	07/28/21	N	25	30	<27	5,800
AOI7-BH-21-002	07/19/21	N	0	6	**6.6**	11,000
AOI7-BH-21-002	07/22/21	N	6	10	**5.5**	24,000
AOI7-BH-21-002	07/22/21	N	10	15	**6.9**	30,000
AOI7-BH-21-002	07/22/21	N	15	20	**3.2 J**	20,000
AOI7-BH-21-002	07/22/21	N	20	25	1.7 J	26,000
AOI7-BH-21-002	07/22/21	N	25	30	**4.6**	380,000
AOI7-BH-21-004	07/21/21	N	0	6	**8.2**	26,000
AOI7-BH-21-004	07/28/21	N	6	10	**8.6**	26,000
AOI7-BH-21-004	07/28/21	N	10	15	**18**	28,000
AOI7-BH-21-004	07/28/21	N	15	20	**5.2**	17,000
AOI7-BH-21-004	07/28/21	N	20	25	**3.7**	6,600
AOI7-BH-21-004	07/28/21	N	25	30	<3.1	3,100
AOI7-BH-21-005	07/21/21	N	0	6	**12**	22,000
AOI7-BH-21-005	07/28/21	N	6	10	**10**	15,000
AOI7-BH-21-005	07/28/21	N	10	15	2.7 J	15,000
AOI7-BH-21-005	07/28/21	N	15	20	1.5 J	5,300
AOI7-BH-21-005	07/28/21	N	20	25	<2.4	8,600
AOI7-BH-21-005	07/28/21	N	25	30	**4.2**	14,000
AOI7-BH-21-007	07/22/21	N	0	6	**260**	79,000
AOI7-BH-21-007	07/29/21	N	6	10	**21**	20,000
AOI7-BH-21-007	07/29/21	N	10	15	**9.8**	18,000
AOI7-BH-21-007	07/29/21	N	15	20	**4.4**	17,000
AOI7-BH-21-007	07/29/21	N	20	25	**11,000**	16,000
AOI7-BH-21-007	07/29/21	N	25	30	**2,500**	55,000
AOI7-BH-21-010	07/19/21	N	0	6	**670**	45,000
AOI7-BH-21-010	07/29/21	N	6	10	**250**	2,100
AOI7-BH-21-010	07/29/21	N	10	15	**78**	64,000
AOI7-BH-21-010	07/29/21	N	15	20	**870**	22,000
AOI7-BH-21-010	07/29/21	FD	15	20	**3,500**	47,000
AOI7-BH-21-010	07/29/21	N	20	25	2.3 J	35,000
AOI7-BH-21-010	07/29/21	N	25	30	**7,400**	76,000
MW-56D	07/16/21	N	0	6	**29**	29,000
MW-56D	07/21/21	N	6	10	**11**	16,000
MW-56D	07/21/21	N	10	15	**9.2**	22,000
MW-56D	07/21/21	N	15	20	**370**	120,000
MW-56D	07/21/21	N	20	25	**4,500**	97,000
MW-56D	07/21/21	N	25	30	**2,200**	29,000
MW-293D	07/15/21	N	0	6	**9.2**	13,000
MW-293D	07/16/21	N	6	10	**5.1**	27,000
MW-293D	07/16/21	N	10	15	**290**	53,000
MW-293D	07/16/21	N	15	20	**8.6**	20,000

Table 7
Summary of Metals Analytical Results - Soil
Data Validation in Progress
AOI 7, MHIC

Sample Location	Sample Date	Sample Type	Start Depth (ft)	End Depth (ft)	Concentrations in mg/kg	
					Arsenic	Iron
			USEPA RSLs - Industrial Soil		3	820,000
MW-293D	07/16/21	N	20	25	**6.1**	28,000
MW-293D	07/16/21	N	25	30	**5.2**	36,000
MW-509D	07/16/21	N	0	6	**30**	29,000
MW-509D	07/20/21	N	6	10	**950**	150,000
MW-509D	07/20/21	N	10	15	**1,100**	110,000
MW-509D	07/20/21	N	15	20	**1,000**	110,000
MW-509D	07/20/21	N	20	25	**850**	140,000
MW-509D	07/20/21	N	25	30	**31**	14,000
MW-536RD	07/22/21	N	0	6	**5.8**	36,000
MW-536RD	07/22/21	N	6	10	**15**	36,000
MW-536RD	07/22/21	N	10	15	**17**	31,000
MW-536RD	07/22/21	N	15	20	**950**	220,000
MW-536RD	07/22/21	N	20	25	**8.3**	32,000
MW-536RD	07/22/21	N	25	30	2.7	9,400
MW-537RD	07/22/21	N	0	6	**6.5**	37,000
MW-537RD	07/22/21	N	6	10	**7.6**	28,000
MW-537RD	07/22/21	N	10	15	**100**	28,000
MW-537RD	07/22/21	N	15	20	**4.5**	19,000
MW-537RD	07/22/21	FD	15	20	**16**	29,000
MW-537RD	07/22/21	N	20	25	**4.3**	10,000
MW-537RD	07/22/21	N	25	30	2.7 J	15,000
MW-558D	07/14/21	N	0	6	**560**	75,000
MW-558D	07/28/21	N	6	10	**1,700**	240,000
MW-558D	07/28/21	N	10	15	**1,500**	77,000
MW-558D	07/29/21	N	15	20	**1,800**	33,000
MW-558D	07/29/21	N	20	25	**25**	26,000
MW-558D	07/29/21	N	25	30	**13**	29,000
MW-561D	07/19/21	N	0	6	**15**	33,000
MW-561D	07/22/21	N	6	10	**7.8**	29,000
MW-561D	07/22/21	N	10	15	**9.5**	32,000
MW-561D	07/22/21	FD	10	15	**8.6**	35,000
MW-561D	07/22/21	N	15	20	**8**	32,000
MW-561D	07/22/21	N	20	25	**49**	58,000
MW-561D	07/22/21	N	25	30	**19**	40,000
MW-562D	07/19/21	N	0	6	**230**	40,000
MW-562D	07/22/21	N	6	10	**11**	23,000
MW-562D	07/22/21	N	10	15	**68**	250,000
MW-562D	07/22/21	N	15	20	**8.5**	36,000
MW-562D	07/22/21	N	20	25	**8.7**	37,000
MW-562D	07/22/21	N	25	30	**36**	42,000
MW-565D	07/15/21	N	0	6	**350**	56,000
MW-565D	07/15/21	N	6	10	**30**	28,000
MW-565D	07/15/21	N	10	15	**260**	27,000
MW-565D	07/15/21	N	15	20	**6.8**	25,000
MW-565D	07/15/21	N	20	25	**6.1**	26,000
MW-565D	07/15/21	N	25	30	**7.4**	33,000
MW-606D	07/23/21	N	0	6	**55**	36,000
MW-606D	07/27/21	N	6	10	**19**	14,000

Table 7
Summary of Metals Analytical Results - Soil
Data Validation in Progress
AOI 7, MHIC

Sample Location	Sample Date	Sample Type	Start Depth (ft)	End Depth (ft)	Concentrations in mg/kg	
					Arsenic	Iron
USEPA RSLs - Industrial Soil					**3**	**820,000**
MW-606D	07/27/21	N	10	15	**780**	190,000
MW-606D	07/27/21	N	15	20	**540**	200,000
MW-606D	07/27/21	N	20	25	**5,900**	13,000
MW-606D	07/27/21	N	25	30	**6,400**	31,000
MW-606D	07/27/21	N	30	35	**530**	36,000
MW-607D	07/16/21	N	0	6	**29**	38,000
MW-607D	07/20/21	N	6	10	**27**	16,000
MW-607D	07/20/21	FD	6	10	**100**	31,000
MW-607D	07/20/21	N	10	15	**57**	18,000
MW-607D	07/20/21	N	15	20	**3,400**	27,000
MW-607D	07/20/21	N	20	25	**1,600**	26,000
MW-607D	07/20/21	N	25	30	**120**	18,000
Equipment Blank (mg/L)	07/27/21	EB	–	–	<0.050	<0.20

Notes:

1. Samples were collected by Sanborn Head personnel on the dates indicated and were analyzed by Eurofins Lancaster Laboratories Env, LLC (Lancaster) of Lancaster, Pennsylvania for metals by USEPA Method 6010C. A sample type of "N" indicates a normal sample. A sample type of "FD" indicates a field duplicate sample. A sample type of "EB" indicates an equipment blank sample.

2. "USEPA RSLs" are the United States Environmental Protection Agency Regional Screening Levels for Industrial Soil (RSLs; May 2021, THQ=1.0).

3. **Bolded** values indicate an exceedance of the Industrial Soil RSLs.
"<" indicates the analyte is not detected above laboratory reporting limits.
"ft" indicates feet.
"J" indicates the result is estimated and may have an indeterminate bias.
"mg/kg" indicates milligrams per kilogram.
"mg/L" indicates milligrams per liter.

Table 8
Summary of DRO/GRO Analytical Results - Soil
AOI 7, MHIC

Sample Location	Sample Date	Start Depth (ft)	End Depth (ft)	Concentrations in mg/kg	
				DRO	GRO
MW-56D	07/21/21	15	20	4,100	470
MW-293D	07/16/21	25	30	27	<2.6
MW-509D	07/23/21	25	30	13 J,H	<10
MW-536RD	07/22/21	10	15	13,000	57
MW-536RD	07/22/21	25	30	130	<27
MW-537RD	07/22/21	10	15	15	2.6 J
MW-537RD	07/22/21	25	30	7.2 J	<1.3
MW-558D	07/28/21	10	15	66,000	820
MW-561D	07/22/21	15	20	230	<3.6
MW-562D	07/22/21	10	15	1,100	14 J
MW-565D	07/15/21	25	30	53	0.51 J
MW-565D	07/15/21	6	10	18,000	180
MW-606D	07/27/21	15	20	970	11 J
MW-606D	07/27/21	30	35	1,300	52
MW-607D	07/23/21	10	15	7,800 H	870
MW-607D	07/23/21	25	30	22 H	<14

Notes:

1. Samples were collected by Sanborn Head personnel on the dates indicated and were analyzed by Eurofins Lancaster Laboratories Env, LLC (Lancaster) of Lancaster, Pennsylvania for Diesel Range Organics (DRO) and Gasoline Range Organics (GRO) by USEPA Method 8015C.

2. "<" indicates the analyte is not detected above laboratory reporting limits.
"ft" indicates feet.
"H" indicates the sample was prepped or analyzed beyond hold time.
"J" indicates the result is estimated and may have an indeterminate bias.
"mg/kg" indicates milligrams per kilogram.

Table 9
Summary of Metals Analytical Results - Groundwater
Data Validation in Progress
AOI 7, MHIC

Sample Location	Sample Date	Sample Type	Concentrations in milligrams per liter (mg/L)							
			Total Metals				Dissolved Metals			
			Arsenic		Iron		Arsenic		Iron	
USEPA Drinking Water MCLs			0.01		NS		0.01		NS	
DNREC Ground water (ingestion)			0.000052		1.4		0.000052		1.4	
MW-48	05/11/21	N	**0.021**	**J**	**7.5**		<0.052		0.45	
MW-53	05/12/21	N	<0.050		**7.3**		**0.019**	**J**	**5.9**	
MW-55	05/14/21	N	<0.050		**19**		**0.023**	**J**	**18**	
MW-56	05/14/21	N	**0.87**		**4.8**	**J**	**0.20**		**4.1**	
MW-56D	08/12/21	N	**170**		**110**		**170**		**100**	
MW-57	05/10/21	N	**0.018**	**J**	**32**		**0.021**	**J**	**25**	
MW-182	05/14/21	N	<0.050		**16**		<0.052		**14**	
MW-184	05/10/21	N	**0.037**	**J**	**29**		**0.034**	**J**	**23**	
MW-187	05/14/21	N	<0.050		**12**		<0.052		**7.8**	
MW-293	05/11/21	N	**0.12**		**16**		**0.090**		**12**	
MW-293D	08/11/21	N	**0.38**		**17**		**0.28**		**12**	
MW-509	05/13/21	N	**0.063**		**30**		**0.078**		**21**	
MW-509D	08/11/21	N	**0.56**		**150**		**0.42**		**120**	
MW-527U	05/12/21	N	**0.056**		**16**		**0.059**		**14**	
MW-527L	05/12/21	N	<0.050		**19**		<0.052		**14**	
MW-528U	05/12/21	N	**0.016**	**J**	0.99		<0.052		0.58	
MW-528L	05/12/21	N	<0.050		**39**		**0.018**	**J**	0.074	UB
MW-529U	05/12/21	N	**0.027**	**J**	**4.7**	**J**	**0.027**	**J**	0.060	J
MW-529L	05/14/21	N	**0.027**	**J**	**43**		<0.052		**33**	
MW-530U	05/13/21	N	<0.050		0.62		<0.052		<0.21	
MW-530L	05/13/21	N	**0.11**		**1.5**		**0.13**		0.42	
MW-531U	05/13/21	N	**0.20**		**3.1**		**0.17**		0.16	UB
MW-531L	05/14/21	N	**210**		**61**	**J**	**210**		**55**	
MW-532U	05/14/21	N	**0.071**		**1.9**	**J**	**0.047**	**J**	0.15	UB
MW-532L	05/14/21	N	**1,500**		**77**		**1,500**		**76**	
MW-532L	05/14/21	FD	**1,400**		**82**	**J**	**1,500**		**74**	
MW-533U	05/12/21	N	**0.34**		**23**		**0.31**		**22**	
MW-533L	05/12/21	N	**0.028**	**J**	**2.1**		**0.018**	**J**	0.19	J
MW-534U	05/14/21	N	**0.91**		**140**		**0.21**		**18**	
MW-534L	05/14/21	N	**370**		**140**		**330**		**130**	
MW-536RS	08/11/21	N	**0.22**		**82**		**0.15**		**41**	
MW-536RD	08/11/21	N	**0.066**		**19**		**0.060**		**18**	
MW-537RS	08/11/21	N	**0.038**	**J**	0.26		**0.027**	**J**	0.061	J
MW-537RD	08/11/21	N	**0.019**	**J**	1.2		**0.023**	**J**	0.26	
MW-538	05/10/21	N	<0.050		**40**		<0.052		**35**	
MW-540	05/10/21	N	**0.036**	**J**	**37**		<0.052		<0.21	
MW-541	05/11/21	N	<0.050		**5.0**		<0.052		0.13	J
MW-557	05/11/21	N	**3.3**		**470**		**3.0**		**450**	
MW-558	05/14/21	N	**1.4**		**310**		**1.5**		**300**	
MW-558D	08/11/21	N	**4.5**		**490**		**2.1**		**310**	
MW-559	05/11/21	N	**0.032**	**J**	**100**		<0.052		**76**	
MW-560	05/11/21	N	**1.1**		**37**		**0.38**		**22**	
MW-561	05/11/21	N	**0.042**	**J**	**28**		**0.036**	**J**	**24**	
MW-561D	08/11/21	N	**0.68**		**200**		**0.61**		**180**	

Table 9
Summary of Metals Analytical Results - Groundwater
Data Validation in Progress
AOI 7, MHIC

Sample Location	Sample Date	Sample Type	Concentrations in milligrams per liter (mg/L)			
			Total Metals		Dissolved Metals	
			Arsenic	Iron	Arsenic	Iron
USEPA Drinking Water MCLs			0.01	NS	0.01	NS
DNREC Ground water (ingestion)			0.000052	1.4	0.000052	1.4
MW-562	08/12/21	N	**0.44**	**16**	**0.37**	**5.0**
MW-562D	08/10/21	N	**0.055**	**28**	**0.051 J**	**23**
MW-565S	08/10/21	N	**0.061**	**30**	**0.053**	**32 B**
MW-565D	08/10/21	N	**0.018 J**	**32**	**0.021 J**	**35 B**
MW-606S	08/11/21	N	**32**	**140**	**35**	**140**
MW-606D	08/11/21	N	**750**	**390**	**730**	**390**
MW-606D	08/11/21	FD	**700**	**340**	**730**	**390**
MW-607S	08/12/21	N	**28**	**120**	**24**	**98**
MW-607D	08/12/21	N	**100**	**88**	**100**	**73**
EB-01	05/12/21	EB	<0.050	<0.20	<0.052	<0.21
EB-01	08/11/21	EB	**0.069**	1.3	**0.079**	0.91

Notes:

1. Samples were collected by Sanborn Head personnel on the dates indicated and were analyzed by Eurofins Lancaster Laboratories Env, LLC (Lancaster) of Lancaster, Pennsylvania for metals by USEPA Method 6010D. A sample type of "N" indicates a normal sample. A sample type of "FD" indicates a field duplicate sample. A sample type of "EB" indicates an equipment blank sample.

2. "USEPA Drinking Water MCLs" are from the United States Environmental Protection Agency website (accessed June 7, 2021). The Maximum Contaminant Level (MCL) is the highest level of a contaminant that is allowed in drinking water. MCLs are enforceable standards for drinking water systems.

"DNREC Ground water (ingestion)" refers to the ground water ingestion screening values from the Delaware Department of Natural Resources and Environmental Control, Division of Waste and Hazardous Substances, HCSA Screening Level Table, January 1, 2013 (updated April 2021).

3. Shaded values indicate an exceedance of the USEPA Drinking water MCLs.
Bolded values indicate an exceedance of the DNREC Ground water (ingestion) screening values.
"<" indicates the analyte is not detected above laboratory reporting limits.
"NS" indicates no standard.

4. Data validation was performed on the May 2021 samples by Environmental Standards, Inc of Valley Forge, Pennsylvania. All results were considered acceptable, with the understanding of the potential uncertainty (bias) in the qualified results. In some cases, Environmental Standards assigned the following qualifiers to the data. Refer to the Data Validation Summary Reports for further details. Data validation on the August 2021 samples in on going.

5. "J" indicates the result is estimated and may have an indeterminate bias.
"UB" The analyte should be considered “not-detected” because it was observed in an associated laboratory or field blank at a similar level. The analyte was positively identified; the associated numerical value represents the concentration reported by the laboratory but may be impacted by contamination.

Table 10
Summary of Wet Chemistry Analytical Results - Groundwater
AOI 7, MHIC

Sample Location	Sample Date	Sample Type	Concentrations in mg/L	
			Sulfate	Phosphorus
MW-56D	8/12/2021	N	41	78 E
MW-293D	8/11/2021	N	210	0.72
MW-509D	8/11/2021	N	4,300	16 E
MW-537RS	8/11/2021	N	620	0.35
MW-537RD	8/11/2021	N	1,300	0.52
MW-561D	8/11/2021	N	1,800	1.6
MW-606S	8/11/2021	N	2,400	34 E
MW-606D	8/11/2021	N	9,000	95 E
MW-607S	8/12/2021	N	2,100	29 E
MW-607D	8/12/2021	N	110	67 E

Notes:

1. Samples were collected by Sanborn Head personnel on the dates indicated and were analyzed by Eurofins Lancaster Laboratories Env, LLC (Lancaster) of Lancaster, Pennsylvania. A sample type of "N" indicates a normal sample.

2. "E" indicates the result exceeded calibration range.
"mg/L" represents milligrams per liter.

Table 11
Water Quality Data
AOI 7, MHIC

Well ID	Shallow / Deep	Date	Temperature (°C)	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/l)	pH (s.u.)	ORP (mV)	Turbidity (NTU)
AOI 7 Wells								
MW-48	Shallow	5/11/2021	15.84	845	1.08	3.51	445	58.5
MW-53	Shallow	5/12/2021	15.32	821	0.27	7.25	-196	11.1
MW-55	Shallow	8/27/2021	26.69	1731	3.91	6.79	-79.4	NS
MW-56	Shallow	8/27/2021	21.4	1090	1.62	6.24	-19	NS
MW-56D	Deep	8/27/2021	22.04	8136	0.70	6.45	-117	NS
MW-57	Shallow	5/10/2021	16.79	1580	0.10	6.41	-116	10.6
MW-182	Shallow	8/27/2021	22.64	810	2.54	6.54	-15	NS
MW-184	Shallow	5/10/2021	13.93	835	0.32	6.78	-138	19.8
MW-187	Shallow	8/27/2021	20.05	1391	1.46	6.68	-68	NS
MW-293	Shallow	5/11/2021	14.25	512	0.34	6.42	-100	6.8
MW-293D	Deep	8/11/2021	21.1	1340	1.43	6.12	-8	148
MW-509	Shallow	5/13/2021	15.36	1180	1.27	6.97	-149	34.3
MW-509D	Deep	8/11/2021	20.12	8860	1.30	6.43	-116	190
MW-527U	Shallow	5/12/2021	13.43	1300	0.37	6.61	-104	12.6
MW-527L	Deep	5/12/2021	15.2	1780	0.44	6.47	-92	5.3
MW-528U	Shallow	5/12/2021	14.79	422	3.37	6.36	49	11.7
MW-528L	Deep	5/12/2021	15.2	1600	0.00	6.35	-102	0.2
MW-529U	Shallow	5/12/2021	15.66	496	2.00	6.97	19	17.3
MW-529L	Deep	8/27/2021	23.38	1150	3.47	6.63	-59	NS
MW-530U	Shallow	5/13/2021	15.54	364	1.93	6.84	68	16.4
MW-530L	Deep	5/13/2021	13.48	726	0.19	7.45	-118	18.1
MW-531U	Shallow	5/13/2021	15.17	839	1.77	7.17	-263	2.7
MW-531L	Deep	8/27/2021	19.12	2584	1.06	6.83	-137	NS
MW-532U	Shallow	8/27/2021	21.24	2584	0.78	7.33	-70.5	NS
MW-532L	Deep	5/14/2021	15.82	5300	0.42	6.97	-236	290
MW-533U	Shallow	5/12/2021	16.91	515	1.72	6.47	-75	89.2
MW-533L	Deep	5/12/2021	15.65	1140	0.60	6.30	66	16.9
MW-534U	Shallow	8/27/2021	23.31	2466	5.75	6.69	-101	NS
MW-534L	Deep	8/27/2021	23.83	2350	3.15	6.61	-138	NS
MW-536RS	Shallow	8/11/2021	19.57	2810	0.63	5.97	-55	46.7
MW-536RD	Deep	8/11/2021	18.64	1390	0.51	5.34	-14	21.2

Table 11
Water Quality Data
AOI 7, MHIC

Well ID	Shallow / Deep	Date	Temperature (°C)	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/l)	pH (s.u.)	ORP (mV)	Turbidity (NTU)
MW-537RS	Shallow	8/11/2021	19.91	15500	0.63	7.50	5	6.5
MW-537RD	Deep	8/11/2021	18.67	11900	3.41	7.31	14	24.9
MW-538	Shallow	5/10/2021	15.68	2900	2.25	6.32	-85	27.1
MW-540	Shallow	5/10/2021	14.41	218	6.14	5.88	142	144
MW-541	Shallow	5/11/2021	16.01	662	4.06	6.14	153	36.3
MW-557	Shallow	5/11/2021	14.89	3520	0.52	5.76	-63	94.3
MW-558	Shallow	8/27/2021	20.22	4383	3.25	6.13	-44	NS
MW-558D	Deep	8/11/2021	22.21	4020	5.15	6.30	-81	544
MW-559	Shallow	5/11/2021	14.61	2750	0.00	5.49	69	151
MW-560	Shallow	5/11/2021	13.82	1860	0.00	3.36	403	39.5
MW-561	Shallow	5/11/2021	14.81	2130	0.27	6.55	-82	24
MW-561D	Deep	8/11/2021	22.09	1970	0.69	5.81	-29	120
MW-562	Shallow	8/27/2021	21.68	2133	2.33	6.57	-77.8	NS
MW-562D	Deep	8/10/2021	18.55	1870	0.60	5.41	-4	40.1
MW-565S	Shallow	8/10/2021	23.91	4130	0.62	6.88	-162	42.1
MW-565D	Deep	8/10/2021	21.45	3040	1.83	5.54	-39	10.2
MW-606S	Shallow	8/11/2021	17.55	5490	1.01	6.47	-124	48.2
MW-606D	Deep	8/11/2021	18.77	15400	0.90	6.42	-145	33.9
MW-607S	Shallow	8/27/2021	20.68	4689	4.57	6.38	-98.1	NS
MW-607D	Deep	8/27/2021	19.6	2601	2.17	6.28	-94.9	NS
SWMU 9 Wells								
MW-14	Shallow	8/18/2021	17.11	2976	3.73	3.55	323.7	NS
MW-15	Shallow	8/18/2021	20.13	5620	2.20	6.45	24.1	NS
MW-16	Shallow	8/18/2021	25.02	1359	5.39	6.84	113.4	NS
MW-17	Shallow	8/18/2021	20.53	2819	4.86	6.58	152.1	NS
MW-18	Shallow	8/18/2021	19.84	1999	3.85	5.43	150.8	NS
MW-19	Shallow	8/18/2021	21.59	2563	2.95	3.82	325	NS
MW-122	Deep	8/18/2021	20.14	2820	7.30	5.09	256.9	NS
MW-123S	Shallow	8/18/2021	20.40	68276	1.28	6.86	-133	NS
MW-123D	Deep	8/18/2021	19.50	4711	2.30	6.44	20.6	NS
MW-124S	Shallow	8/18/2021	23.13	3105	3.00	6.41	-3.1	NS
MW-124D	Deep	8/18/2021	18.63	1624	3.79	6.96	-7.6	NS
SM9-MW-1	Deep		Unable to Access					
SWMU9-MW-1	Deep		Unable to Access					
SWMU9-MW-2	Deep		Unable to Access					

Notes:
°C - Degrees centigrade
µS/cm - Microsiemens per centimeter
mg/l - Milligrams per liter
mV - Millivolt
NS - Not sampled; these wells were not sampled for groundwater analyses via low flow procedures, therefore, turbidity was not recorded.
NTU - Nephelometric Turbidity Unit
ORP - Oxidation Reduction Potential
s.u. - Standard unit

Table 12
Summary of Analytical Results - LNAPL
AOI 7, MHIC

Well ID	Sample Date	Total Metals	
		Arsenic	Iron
EPA Groundwater MCL (mg/L)		10	N/A
MW-182	7/19/2021	63	640
MW-534L	7/19/2021	330	110
MW-607D	8/16/2021	8.9	39

Notes:
1. "MCL" indicates Maximum Contaminant Level
"mg/L" indicates milligrams per liter
"N/A" indicates Not Applicable

Table 13
Proposed Sediment and Porewater Locations
AOI 7, MHIC

Proposed Sample Location	Sample Media	Analyses				
		Anions by EPA E300.0[1]	Alkalinity by NEMI Method SM2320B[2]	Sulfide by NEMI Method SM4500-S2-D	Metals by EPA Method SW6020[3]	As Speciation by EPA Method 1632
AOI7-SED-21-001	Sediment	x	x	x	x	x
AOI7-SED-21-002	Sediment	x	x	x	x	x
AOI7-SED-21-003	Sediment	x	x	x	x	x
AOI7-SED-21-004	Sediment	x	x	x	x	x
AOI7-SED-21-005	Sediment	x	x	x	x	x
AOI7-SED-21-006	Sediment	x	x	x	x	x
AOI7-SED-21-007	Sediment	x	x	x	x	x
AOI7-SED-21-008	Sediment	x	x	x	x	x
AOI7-SED-21-009	Sediment	x	x	x	x	x
AOI7-PW-21-001	Porewater	x	x	x	x	x
AOI7-PW-21-002	Porewater	x	x	x	x	x
AOI7-PW-21-003	Porewater	x	x	x	x	x
AOI7-PW-21-004	Porewater	x	x	x	x	x
AOI7-PW-21-005	Porewater	x	x	x	x	x
AOI7-PW-21-006	Porewater	x	x	x	x	x
AOI7-PW-21-007	Porewater	x	x	x	x	x
AOI7-PW-21-008	Porewater	x	x	x	x	x
AOI7-PW-21-009	Porewater	x	x	x	x	x
AOI7-PW-21-010	Porewater	x	x	x	x	x
AOI7-PW-21-011	Porewater	x	x	x	x	x
AOI7-PW-21-012	Porewater	x	x	x	x	x

Notes:

1. Gray box indicates that the samples are to be collected but analyzed on contingent basis.
2. Anion analytes include bromide, chloride, fluoride, nitrate as N, nitrite as N, orhophosphate as P, and sulfate.
3. Alkalinity analytes include bicarbonate alkalinty as CaCO3, carbonate alkalinity as CaCO3, phenolphthalein alkalinity, and total alkalinity as CaCO3 to pH 4.5.
4. Metal analytes will include arsenic, calcium, magnesium, potassium, sodium, iron, and manganese.