5-26-16

	Time	NO. WELL	Water level	Producto	PPM
New Front To Building	0953	MW 16	6.93	~~0~~	~~0.0~~
New Fence	0957	MW 21S	5.68	~~0~~	0.2
	1012	MW 22S	4.48	~~0~~	~~0.0~~
	1016	MW 7	4.71	~~0~~	2.9
New Road	1019	MW 13	4.63	~~0~~	0.2
	1025	MW 19	2.44	~~0~~	643.0
	1037	MW 9	7.23	~~0~~	0.0
	1050	MW 12	9.60	~~0~~	0.0
	1053	RW 1	8.08	~~0~~	0.0
	1055	MW 3	9.34	~~0~~	0.0
	1100	MW 18	4.72	~~0~~	0.0
	1107	MW 14	4.66	~~0~~	0.0
	1111	MW 5	9.82	~~0~~	0.0
	1116	MW 17	4.88	~~0~~	24.7
	1120	MW 15	5.53	~~0~~	0.0
	1152	RA 10S	6.26	~~0~~	0.0
	1156	RA 10D	6.08	~~0~~	0.0
	1209	MW 20S	5.17	~~0~~	0.0
	1214	MW 20D	4.97	~~0~~	0.0
	1325	S-38	5.37	~~0~~	0.0
	1329	MW-11	11.18	~~0~~	0.0
	1337	UP 1	3.08	~~0~~	1.2
Front Building 36	1342	UP 2	6.43	~~0~~	0.0
	1345	BR3	5.61	~~0~~	0.0
	1358	BR-2	6.57	~~0~~	0.0
	1403	BR-1	5.75	~~0~~	51.3
NEW	1408	BR-4	3.57	~~0~~	0.0

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1 2 3 4 5 6 7

5-26-16

	Time	Well No	Water Level	Producto	PPM
	1418	~~G1R3~~ A1R3	4.98	Θ	10.6
	1428	A2R2	4.17	Θ	0.0
	1442	S42D	7.87	Θ	0.5
	1446	S42S	8.06	Θ	0.0
Escalera	1457	S30	8.62	Θ	0.0
Triangulo Parking	1501	S31R2	7.25	Θ	5.7
El Que Sigue	1505	S-29R	7.95	Θ	0.0
Espere Porque Habieran Porton 1510 Hasta 1535 Luego Seguridad	1540	D1	8.12	Θ	0.0
	1546	E1	7.98	Θ	6.3
	1552	G1R3	5.10		420.0
	1607	S43S	4.50	Θ	0.7
	1610	S43D	4.68	Θ	1.0
	1615	S-28	9.33	Θ	0.0
	1620	S-39S	10.21	Θ	12.8
	1624	S-39D	10.24	Θ	0.6
	1631	S-40S	12.98	Θ	0.0
	1634	S40D	12.63	Θ	0.2
	1638	S41S	12.57	Θ	0.4
	1642	S41D	10.05	Θ	0.3
	1647	S-37	20.80	Θ	0.0
	1650	S-35	13.40	Θ	0.0
	1654	S-35D	10.88	Θ	0.5
	1659	S-33	15.02	Θ	0.0
	1703	S-34	17.34	Θ	0.0
	1709	S-36	15.05	Θ	0.0
	1713	S-32	13.34		1,247
Creek	1718		8.55	Θ	

AMAI Well Purging and Low Flow Sampling Form

Well Number: MW-21S

Site Name, Location: BMS, Humacao P.R.
Personnel: N. Rivera / R. Stuart
Equipment Used: YSI, dedicated bladder, cord, tubing, decontaminated pump
Date: June 20, 2016

Monitoring Well Information:

Diameter/Material: 2 / PVC
Depth to Bottom (ft from TOC): 21.2
Top of Screen (ft from TOC): 11.2
Bottom of Screen (ft from TOC): 21.2
Pump Intake Level (ft from TOC): ~16
Desired Pumping Rate (Lpm): 0.1-0.4

Well Purging Information:

Measured DTW (ft from TOC)/Time: 6.60 / 1425
Measured DTB (ft from TOC)/Time: (21.2) /
Headspace Reading (ppm):
Time @ Start Purging: 1449
Time @ Stop Purging: 1518
Time @ Stop Sampling: 1547
Purge Volume (gallons): 2.25

Time	DTW (ft TOC)	Temp (C)	S.Cond (µS/cm)	DO (mg/l)	pH	ORP (mV)	Turbidity (NTU)	Flow (mL/min)
1445	6.55	After installing pump						
1458	6.62	28.86	0.562	2.50	6.66	49.5	22.6	100 ↑
1503	6.59	28.42	0.560	0.84	6.47	45.3	16.5	200
1508	6.60	28.11	0.558	0.49	6.42	41.3	15.2	250
1513	6.60	28.00	0.559	0.34	6.39	39.6	15.0	300
1518	6.60	27.95	0.559	0.31	6.39	37.2	13.8	300
~~1523~~ 25			Ready to Sample					

Comments:
Sample Time: 1547 DUP ✓ MS ✓ MSD ✓
Sample Analysis: DUP ✓ MS ✓ MSD ✓
Water Quality/Appearance: clear w/ flakes

Additional Comments:

Well Stabilization : is considered to be achieved when three consecutive readings, taken at 5 minute intervals are within the following limits: **DO +/- 0.3 mg/L; Spec. Cond. +/-3%; Temp. +/-3%; pH +/- 0.1 unit; ORP +/-10 mV; Addn'l Guidelines: Drawdown <= 0.33 feet; Pumping rates = 100 to 400 ml/min; Turbidity +/-10% or < 10 NTU.**

AMAI Well Purging and Low Flow Sampling Form

Well Number: MW-225

Site Name, Location: BMS, Humacao

Personnel: N. Rivera

Equipment Used: dedicated bladder, tubing, cord, decontaminated pump

Date: June 16, 201

Monitoring Well Information:

Diameter/Material:	2 / PVC
Depth to Bottom (ft from TOC):	(14.76)
Top of Screen (ft from TOC):	4.76
Bottom of Screen (ft from TOC):	14.76
Pump Intake Level (ft from TOC):	~10
Desired Pumping Rate (Lpm):	0.1-0.4

Well Purging Information:

Measured DTW (ft from TOC)/Time:	5.35 / 1213
Measured DTB (ft from TOC)/Time:	(14.76) /
Headspace Reading (ppm):	
Time @ Start Purging:	1240
Time @ Stop Purging:	1304
Time @ Stop Sampling:	1322
Purge Volume (gallons):	1

Time	DTW (ft TOC)	Temp (C)	S.Cond (µS/cm)	DO (mg/l)	pH	ORP (mV)	Turbidity (NTU)	Flow (mL/min)
1230	5.35	After installing pump						
1240	Start							100
1244	5.42	30.16	443	151.9	5.30	220.1	394.5	100
1249	5.43	29.88	439	0.98	6.45	227.4	395.6	125
1254	5.43	29.86	436	0.86	6.39	218.1	421.3	125
1301	5.43	29.80	434	0.83	6.43	214.3	447.1	125
1304	5.43	29.76	432	0.78	6.41	208.9	450.8	125
			Ready to sample					

Comments:

Sample Time: 1322 DUP ✓ MS ✓ MSD ✓ Water Quality/Appearance: cloudy

Sample Analysis: DUP ✓ MS ✓ MSD ✓

Additional Comments: 1244 VOC, LMA, SVOC, SVOCSIM

High turbidity reading when water was being purged

Well Stabilization : is considered to be achieved when three consecutive readings, taken at 5 minute intervals are within the following limits: **DO +/- 0.3 mg/L; Spec. Cond. +/-3%; Temp. +/-3%; pH +/- 0.1 unit; ORP +/-10 mV; Addn'l Guidelines: Drawdown <= 0.33 feet; Pumping rates = 100 to 400 ml/min; Turbidity +/-10% or < 10 NTU.**

AMAI Well Purging and Low Flow Sampling Form

Well Number: MW23S

Site Name, Location: BMS Humacao, PR
Personnel: N. Rivera / R. Stuart
Equipment Used: YSI 556, dedicated grid, bladder tubing, Decontam. grid pump
Date: June 20, 2016

Monitoring Well Information:

Diameter/Material: 2 / PVC
Depth to Bottom (ft from TOC): 13.87
Top of Screen (ft from TOC): 3.87
Bottom of Screen (ft from TOC): 13.87
Pump Intake Level (ft from TOC): ~10
Desired Pumping Rate (Lpm): 0.1-0.4

Well Purging Information:

Measured DTW (ft from TOC)/Time: 5.06 / 1050
Measured DTB (ft from TOC)/Time: (13.87) / ___
Headspace Reading (ppm): ___
Time @ Start Purging: 1135
Time @ Stop Purging: 1217
Time @ Stop Sampling: 1235
Purge Volume (gallons): 3.5

Time	DTW (ft TOC)	Temp (C)	S.Cond (µS/cm)	DO (mg/l)	pH	ORP (mV)	Turbidity (NTU)	Flow (mL/min)
1130	5.01			START				
1137	5.11	30.12	0.575	1.68	6.90	160.7	6.38	250
1142	5.11	29.81	0.560	0.60	6.56	115.1	5.84	250
1147	5.11	29.77	0.557	0.41	6.55	86.7	4.63	250
1152	5.11	29.74	0.557	0.32	6.56	68.0	3.72	250
1157	5.12	29.73	0.558	0.29	6.57	55.7	3.26	250
1202	5.12	29.72	0.558	0.25	6.58	47.1	2.33	275
1207	5.16	29.69	0.559	0.23	6.58	37.3	1.87	350 ↓
1212	5.16	29.69	0.559	0.22	6.59	33.6	1.80	400 ↓
1217	5.14	29.72	0.558	0.21	6.58	30.1	1.94	350
			Ready to sample					

Comments:
Sample Time: 1235 DUP ✓ MS ✓ MSD ✓ Water Quality/Appearance: Clear
Sample Analysis: ___ DUP ✓ MS ✓ MSD ✓

Additional Comments: ___

Well Stabilization : is considered to be achieved when three consecutive readings, taken at 5 minute intervals are within the following limits: **DO +/- 0.3 mg/L; Spec. Cond. +/-3%; Temp. +/-3%; pH +/- 0.1 unit; ORP +/-10 mV; Addn'l Guidelines: Drawdown <= 0.33 feet; Pumping rates = 100 to 400 ml/min; Turbidity +/-10% or < 10 NTU.**

AMAI Well Purging and Low Flow Sampling Form

Well Number: RA 10 S

Site Name, Location: BMS Humacao

Personnel: Del Ville / Stuart

Equipment Used: YSI / dedicated bladder, tubing, cord decontaminated pump

Date: June 14, 2016

Monitoring Well Information:

Diameter/Material: 2 / PVC
Depth to Bottom (ft from TOC): 14.42
Top of Screen (ft from TOC): 4.42
Bottom of Screen (ft from TOC): 14.42
Pump Intake Level (ft from TOC): -10
Desired Pumping Rate (Lpm): 0.1-0.4

Well Purging Information:

Measured DTW (ft from TOC)/Time: 6.46 / 1145
Measured DTB (ft from TOC)/Time: (14.42) /
Headspace Reading (ppm):
Time @ Start Purging: 1148
Time @ Stop Purging: 1228
Time @ Stop Sampling: 1349
Purge Volume (gallons): 4.0

Time	DTW (ft TOC)	Temp (C)	S.Cond (µS/cm)	DO (mg/l)	pH	ORP (mV)	Turbidity (NTU)	Flow (mL/min)
1158		-	START					
1153	6.52	29.83	0.770	0.75	6.30	113.0	14.1	200.0
1158	6.52	29.52	0.732	0.42	6.34	67.0	6.22	200.0
1203	6.52	29.37	0.725	0.28	6.36	39.7	5.83	200.0
1208	6.52	29.25	0.724	0.22	6.39	23.6	5.58	200.0
1213	6.52	29.22	0.724	0.19	6.42	13.5	6.49	200.0
1218	6.52	29.15	0.724	0.18	6.43	7.8	5.40	200.0
1223	6.52	29.11	0.724	0.17	6.44	7.5	4.93	200.0
1228	6.52	29.09	0.724	0.15	6.44	7.9	7.68	200.0
			Ready to	sample				

Comments:
Sample Time: 1300 DUP / MS 1325 MSD 1349 Water Quality/Appearance: Clear
Sample Analysis: DUP / MS MSD

Additional Comments:

Well Stabilization : is considered to be achieved when three consecutive readings, taken at 5 minute intervals are within the following limits: **DO +/- 0.3 mg/L; Spec. Cond. +/-3%; Temp. +/-3%; pH +/- 0.1 unit; ORP +/-10 mV; Addn'l Guidelines: Drawdown <= 0.33 feet; Pumping rates = 100 to 400 ml/min; Turbidity +/-10% or < 10 NTU.**

AMAI Well Purging and Low Flow Sampling Form

Well Number: RA-10D

Site Name, Location: BMS-Humacao

Personnel: N. Rivera / R. Stuart

Equipment Used: dedicated bladder, tubing, cord decontaminated pump

Date: June 14, 2012

Monitoring Well Information:

Diameter/Material: 2 / PVC
Depth to Bottom (ft from TOC): 22.25
Top of Screen (ft from TOC): 12.25
Bottom of Screen (ft from TOC): 22.25
Pump Intake Level (ft from TOC): 17
Desired Pumping Rate (Lpm): 0.1-0.4

Well Purging Information:

Measured DTW (ft from TOC)/Time: 6.28 / 1410
Measured DTB (ft from TOC)/Time: 22.25 /
Headspace Reading (ppm):
Time @ Start Purging: 1418
Time @ Stop Purging: 1519
Time @ Stop Sampling: 1604
Purge Volume (gallons): 2.25

Time	DTW (ft TOC)	Temp (C)	S.Cond (µS/cm)	DO (mg/l)	pH	ORP (mV)	Turbidity (NTU)	Flow (mL/min)
1418	6.28	After installing pump; start						
1434	6.33	31.71	0.714	2.34	6.76	-15.8	68.3	150
1439	6.33	29.96	0.692	0.71	6.35	-31.8	100.5	150
1444	6.33	29.71	0.692	0.42	6.37	-48.1	94.6	150 ↓
1449	6.33	29.56	0.681	0.34	6.41	-53.7	76.0	200 ↓
1454	6.32	29.62	0.673	0.25	6.42	-49.5	57.7	150
1459	6.32	29.61	0.670	0.30	6.44	-49.0	41.4	150
1504	6.32	29.48	0.665	0.26	6.44	-52.8	27.4	200
1509	6.32	29.47	0.661	0.25	6.45	-55.2	21.9	200
1514	6.32	29.53	0.659	0.24	6.45	-55.6	21.5	200
1519	6.32	29.52	0.658	0.22	6.46	-52.4	21.2	200
			Ready to sample					

Comments:
Sample Time: 1604 DUP / MS / MSD /
Sample Analysis: DUP / MS / MSD /
Water Quality/Appearance: Cloudy

Additional Comments: EB 061412 @ 1020

Well Stabilization : is considered to be achieved when three consecutive readings, taken at 5 minute intervals are within the following limits: **DO +/- 0.3 mg/L; Spec. Cond. +/-3%; Temp. +/-3%; pH +/- 0.1 unit; ORP +/-10 mV; Addn'l Guidelines: Drawdown <= 0.33 feet; Pumping rates = 100 to 400 ml/min; Turbidity +/-10% or < 10 NTU.**

AMAI Well Purging and Low Flow Sampling Form

Well Number: MW-3

Site Name, Location: BMS, Humacao
Personnel: Del Valle / Stuart
Equipment Used: YSI dedicated bladder, pump, cord tubing
Date: June 16, 2016.

Monitoring Well Information:

Diameter/Material: 2 / PVC
Depth to Bottom (ft from TOC): 16.8
Top of Screen (ft from TOC): 6.8
Bottom of Screen (ft from TOC): 16.8
Pump Intake Level (ft from TOC): ~13
Desired Pumping Rate (Lpm): 0.1 - 0.4

Well Purging Information:

Measured DTW (ft from TOC)/Time: 9.50 / 1422
Measured DTB (ft from TOC)/Time: (16.8) /
Headspace Reading (ppm):
Time @ Start Purging: 1423
Time @ Stop Purging: 1519
Time @ Stop Sampling: 1545
Purge Volume (gallons):

Time	DTW (ft TOC)	Temp (C)	S.Cond (µS/cm)	DO (mg/l)	pH	ORP (mV)	Turbidity (NTU)	Flow (mL/min)
1423	9.50			Start				
1424	9.60	29.49	0.777	3.54	7.18	40.8	19.5	275 ↓
1429	9.62	29.74	0.855	1.48	6.43	-17.7	16.6	50 ↑
1434	9.62+	29.85	0.873	0.72	6.41	-37.5	13.8	400 ↓
1439	9.62	28.82	0.828	0.46	6.36	-47.7	11.4	400
1444	+9.62	28.81	0.832	0.57	6.33	-49.9	8.41	225
1449	+9.62	29.02	0.823	0.27	6.33	-49.7	7.45	200 ↓
1454	+9.62	29.00	0.811	0.96	6.33	-48.1	6.89	75
1459	+9.62	28.97	0.806	1.27	6.34	-45.5	6.94	400
1504	+9.62	29.02	0.805	0.81	6.33	-44.7	7.83	200
1509	+9.62	29.07	0.792	0.47	6.33	-45.9	3.76	200
1514	+9.62	29.22	0.791	0.45	6.33	-42.5	5.41	150
1519	+9.62	29.82	0.790	0.39	6.33	-40.6	3.12	100
			Ready to sample					

Comments:
Sample Time: 1545 DUP ✓ MS ✓ MSD ✓
Water Quality/Appearance: Clear
Sample Analysis: DUP ✓ MS ✓ MSD ✓

Additional Comments:

Well Stabilization : is considered to be achieved when three consecutive readings, taken at 5 minute intervals are within the following limits: **DO +/- 0.3 mg/L; Spec. Cond. +/-3%; Temp. +/-3%; pH +/- 0.1 unit; ORP +/-10 mV; Addn'l Guidelines: Drawdown <= 0.33 feet; Pumping rates = 100 to 400 ml/min; Turbidity +/-10% or < 10 NTU.**

AMAI Well Purging and Low Flow Sampling Form

Well Number: MW-5

Site Name, Location: BMS, Numancao

Personnel: Del Valle / Stuart

Equipment Used: YSI dedicated bladder, tubing, cord, pump

Date: June 17, 2016

Monitoring Well Information:

Diameter/Material: 2 / PVC
Depth to Bottom (ft from TOC): 15.3
Top of Screen (ft from TOC): 5.3
Bottom of Screen (ft from TOC): 15.3
Pump Intake Level (ft from TOC): ~12
Desired Pumping Rate (Lpm): 0.1-0.4

Well Purging Information:

Measured DTW (ft from TOC)/Time: 10.12 / 1005
Measured DTB (ft from TOC)/Time: 15.3 / ____
Headspace Reading (ppm): ____
Time @ Start Purging: 1012
Time @ Stop Purging: 1044
Time @ Stop Sampling: 1110
Purge Volume (gallons): 1.5

Time	DTW (ft TOC)	Temp (C)	S.Cond (µS/cm)	DO (mg/l)	pH	ORP (mV)	Turbidity (NTU)	Flow (mL/min)
1012				START				
1014	11.78	29.54	1.094	1.10	6.47	66.5	36.33	375 ↓
1019	11.78	29.74	1.109	0.86	6.44	-3.3	19.90	100
1024	11.66	29.87	1.028	0.66	6.48	-18.8	14.60	100
1029	11.97	29.73	0.853	0.53	6.53	-27.7	8.79	200
1034	11.76	29.68	0.737	0.71	6.55	-34.3	9.10	100
1039	11.58	29.92	0.745	0.73	6.55	-35.5	7.54	100
1044	11.63	29.97	0.705	0.78	6.57	-38.5	8.88	100
			Ready to sample					

Comments:

Sample Time: 1110 DUP _____ MS _____ MSD _____ Water Quality/Appearance: Debris fragments

Sample Analysis: _____ DUP _____ MS _____ MSD _____

Additional Comments: _____

Well Stabilization : is considered to be achieved when three consecutive readings, taken at 5 minute intervals are within the following limits: **DO +/- 0.3 mg/L; Spec. Cond. +/-3%; Temp. +/-3%; pH +/- 0.1 unit; ORP +/-10 mV; Addn'l Guidelines: Drawdown <= 0.33 feet; Pumping rates = 100 to 400 ml/min; Turbidity +/-10% or < 10 NTU.**

AMAI Well Purging and Low Flow Sampling Form

Well Number: MW-7

Site Name, Location: BMS

Personnel: R Stuart/N. Rivera

Equipment Used: YSI dedicated pump, bladder, tubing, cord

Date: June 10, 2016

Monitoring Well Information:

Diameter/Material: 2 / PVC
Depth to Bottom (ft from TOC): 16.7
Top of Screen (ft from TOC): 6.7
Bottom of Screen (ft from TOC): 16.7
Pump Intake Level (ft from TOC): ~11
Desired Pumping Rate (Lpm): 0.1-0.4

Well Purging Information:

Measured DTW (ft from TOC)/Time: 4.58 / 1619
Measured DTB (ft from TOC)/Time: (16.7) /
Headspace Reading (ppm):
Time @ Start Purging: 1823
Time @ Stop Purging: 1849
Time @ Stop Sampling: 1915
Purge Volume (gallons): 1.5

Time	DTW (ft TOC)	Temp (C)	S.Cond (µS/cm)	DO (mg/l)	pH	ORP (mV)	Turbidity (NTU)	Flow (mL/min)
1823	Start							
1829	4.68	31.70	0.912	0.29	6.52	-12.9	2.73	100
1834	4.58	31.37	0.911	0.17	6.62	-39.1	1.72	150
1839	4.60	31.22	0.903	0.08	6.67	-49.9	1.55	150
1844	4.79	31.05	0.891	0.07	6.67	-53.5	1.40	200
1849	4.69	30.93	0.885	0.03	6.64	-48.2	1.15	250
			Ready for sample					

Comments:
Sample Time: 1915 DUP ✓ MS ✓ MSD ✓ Water Quality/Appearance: clear
Sample Analysis: DUP ✓ MS ✓ MSD ✓

Additional Comments:

Well Stabilization : is considered to be achieved when three consecutive readings, taken at 5 minute intervals are within the following limits: **DO +/- 0.3 mg/L; Spec. Cond. +/-3%; Temp. +/-3%; pH +/- 0.1 unit; ORP +/-10 mV; Addn'l Guidelines: Drawdown <= 0.33 feet; Pumping rates = 100 to 400 ml/min; Turbidity +/-10% or < 10 NTU.**

AMAI Well Purging and Low Flow Sampling Form

Well Number: MW-9

Site Name, Location: BMS Humacao

Personnel: N. Rivera / J. Del Valle

Equipment Used: dedicated bladder, tubing, cord decontaminated pump

Date: June 17, 2011

Monitoring Well Information:

Diameter/Material: 2 / PVC
Depth to Bottom (ft from TOC): 20.6
Top of Screen (ft from TOC): 10.6
Bottom of Screen (ft from TOC): 20.6
Pump Intake Level (ft from TOC): ~15
Desired Pumping Rate (Lpm): 0.1-0.4

Well Purging Information:

Measured DTW (ft from TOC)/Time: 7.87 / 1720
Measured DTB (ft from TOC)/Time: 20.6 / ____
Headspace Reading (ppm): ____
Time @ Start Purging: 1730
Time @ Stop Purging: 1818
Time @ Stop Sampling: 1834
Purge Volume (gallons): 4.25

Time	DTW (ft TOC)	Temp (C)	S.Cond (µS/cm)	DO (mg/l)	pH	ORP (mV)	Turbidity (NTU)	Flow (mL/min)
1725	7.87	After inserting pump / tubing						
1730	START							
1738	7.96	28.00	970	1.01	6.55	21.4	40.3	300
1743	7.98	27.97	968	0.79	6.54	12.7	27.2	300 ↓
1748	7.98	27.92	963	0.66	6.54	5.8	25.7	300
1753	7.98	27.90	957	0.58	6.54	2.0	19.0	300
1758	7.99	27.84	952	0.52	6.54	-0.9	12.9	300
1803	7.99	27.79	948	0.50	6.53	-3.0	12.8	300
1808	8.02	27.73	945	0.47	6.53	-4.5	8.95	300
1813	8.03	27.67	941	0.57	6.53	-4.2	8.17	300
1818	8.04	27.67	939	0.52	6.53	-4.2	7.31	300
			Ready to sample					

Comments:
Sample Time: 1834 DUP ✓ MS ____ MSD ✓ Water Quality/Appearance: clear
Sample Analysis: ____ DUP ✓ MS ✓ MSD ✓

Additional Comments: VOC, LMA, SVOC, SVOC SIM

Well Stabilization : is considered to be achieved when three consecutive readings, taken at 5 minute intervals are within the following limits: **DO +/- 0.3 mg/L; Spec. Cond. +/-3%; Temp. +/-3%; pH +/- 0.1 unit; ORP +/-10 mV; Addn'l Guidelines: Drawdown <= 0.33 feet; Pumping rates = 100 to 400 ml/min; Turbidity +/-10% or < 10 NTU.**

AMAI Well Purging and Low Flow Sampling Form

Well Number: MW-13

Site Name, Location: BMS Hunyacao

Personnel: Del Valle / Shart

Equipment Used: YSI dedicated bladder, pump, cord, tubing

Date: June 17, 2016

Monitoring Well Information:

Diameter/Material: 2 / PVC
Depth to Bottom (ft from TOC): 15
Top of Screen (ft from TOC): 5
Bottom of Screen (ft from TOC): 15
Pump Intake Level (ft from TOC): ~10
Desired Pumping Rate (Lpm): 0.1 – 0.4

Well Purging Information:

Measured DTW (ft from TOC)/Time: 5.06 / 1150
Measured DTB (ft from TOC)/Time: (15) /
Headspace Reading (ppm):
Time @ Start Purging: 1155
Time @ Stop Purging: 1224
Time @ Stop Sampling: 1243
Purge Volume (gallons): ~2

Time	DTW (ft TOC)	Temp (C)	S.Cond (µS/cm)	DO (mg/l)	pH	ORP (mV)	Turbidity (NTU)	Flow (mL/min)
1155			Start					
1159	5.07	30.67	0.394	1.35	6.79	-2.5	14.8	050
1204	5.07	30.56	0.394	1.10	6.67	-10.2	14.3	75
1209	5.08	30.48	0.395	0.48	6.58	-22.3	4.82	75 *
1214	5.05	30.28	0.395	0.27	6.62	-32.9	3.97	150
1219	5.07	29.95	0.394	0.13	6.62	-38.4	3.41	350
1224	5.12	29.89	0.394	0.07	6.62	-41.8	3.79	350
			Ready to sample					

Comments:
Sample Time: 1243 DUP _____ MS _____ MSD _____ Water Quality/Appearance: Some debris /
Sample Analysis: _____ DUP _____ MS _____ MSD _____

Additional Comments: _____

Well Stabilization : is considered to be achieved when three consecutive readings, taken at 5 minute intervals are within the following limits: **DO +/- 0.3 mg/L; Spec. Cond. +/-3%; Temp. +/-3%; pH +/- 0.1 unit; ORP +/-10 mV; Addn'l Guidelines: Drawdown <= 0.33 feet; Pumping rates = 100 to 400 ml/min; Turbidity +/-10% or < 10 NTU.**

AMAI Well Purging and Low Flow Sampling Form

Well Number: MW-14

Site Name, Location: BMS Humacao

Personnel: N. Rivera / T Stewart

Equipment Used: dedicated bladder, tubing

Date: June 3, 2017

Monitoring Well Information:

Diameter/Material: 2 / PVC

Depth to Bottom (ft from TOC): 15.68

Top of Screen (ft from TOC): 5.68

Bottom of Screen (ft from TOC): 15.68

Pump Intake Level (ft from TOC): 10.

Desired Pumping Rate (Lpm): 0.1-0.2

Well Purging Information:

Measured DTW (ft from TOC)/Time: 5.31 / 1045

Measured DTB (ft from TOC)/Time: (15.68) /

Headspace Reading (ppm):

Time @ Start Purging: 1053

Time @ Stop Purging: 1217

Time @ Stop Sampling: 1250

Purge Volume (gallons): 3

Time	DTW (ft TOC)	Temp (C)	S.Cond (µS/cm)	DO (mg/l)	pH	ORP (mV)	Turbidity (NTU)	Flow (mL/min)
1053	START							
1057	5.38	31.78	533	1.24	7.00	-87.5	21.6	200
1202	5.38	31.35	539	0.26	7.01	-109.1	8.28	275
1207	5.40	31.30	548	0.21	7.01	-112.2	6.49	200
1212	5.38	31.31	554	0.16	7.02	-114.2	5.51	200
1217	5.42	31.29	560	0.13	7.01	-117.2	7.58	300
			READY TO SAMPLE					

Comments:

Sample Time: 1234 DUP 1250 MS — MSD — Water Quality/Appearance: clear

Sample Analysis: VOC, SVOC DUP MS — MSD —

Additional Comments: 3 vials VOC, 3 vials for CMA, 3 vials VOA, 1 SVOC, 1 SVOC SIM, EPH (2 lt w/ pres)

Well Stabilization : is considered to be achieved when three consecutive readings, taken at 5 minute intervals are within the following limits: **DO +/- 0.3 mg/L; Spec. Cond. +/-3%; Temp. +/-3%; pH +/- 0.1 unit; ORP +/-10 mV; Addn'l Guidelines: Drawdown <= 0.33 feet; Pumping rates = 100 to 400 ml/min; Turbidity +/-10% or < 10 NTU.**

AMAI Well Purging and Low Flow Sampling Form

Well Number: MW-15

Site Name, Location: BMJ, Humacao

Personnel: N. Rivera / J. Stewart

Equipment Used: dedicated bladder, tubing

Date: June 3, 2016

Monitoring Well Information:

Diameter/Material: 2 / PVC
Depth to Bottom (ft from TOC): 17.76
Top of Screen (ft from TOC): 7.76
Bottom of Screen (ft from TOC): 17.76
Pump Intake Level (ft from TOC): ~12
Desired Pumping Rate (Lpm): 0.1-0.4

Well Purging Information:

Measured DTW (ft from TOC)/Time: 4.13 / 1533
Measured DTB (ft from TOC)/Time: (17.76) /
Headspace Reading (ppm):
Time @ Start Purging: 1545
Time @ Stop Purging: 1645
Time @ Stop Sampling: 1700
Purge Volume (gallons): 4

Time	DTW (ft TOC)	Temp (C)	S.Cond (µS/cm)	DO (mg/l)	pH	ORP (mV)	Turbidity (NTU)	Flow (mL/min)
1545	start							
1550	4.43	31.20	495	1.19	6.83	-4.6	75.3	150
1555	4.43	31.00	488	0.52	6.67	-22.7	103.1	150
1600	4.44	30.94	463	0.24	6.59	-33.8	79.0	150
1605	4.47	30.93	461	1.84	6.59	-48.4	96.3	400 ↓
1610	4.46	30.90	464	2.13	6.60	-52.4	22.1	250
1615	4.45	30.88	465	1.31	6.60	-54.5	16.8	175
1620	4.47	30.91	468	3.70	6.61	-56.0	11.2	200
1625	4.46	30.92	470	3.18	6.61	-57.1	10.2	200
1630	4.45	30.93	472	0.32	6.60	-61.4	5.53	350 ↓
1635	4.47	31.00	472	0.21	6.61	-62.9	5.47	200
1640	4.53	30.98	470	0.15	6.62	-64.7	4.35	400
1645	5.47	30.93	469	0.21	6.62	-63.4	4.00	175
			Ready to Sample					

Comments:
Sample Time: 1700 DUP ✓ MS ✓ MSD ✓
Sample Analysis: All note DUP ✓ MS ✓ MSD ✓
Water Quality/Appearance: clear w/ white & yellow flakes

Additional Comments: 3 VOC HCL, 3 rinsate, VOC, 3 VOC LMA, 1 SVOC, 1 SVOC Sim, EPH (2 w/ Acid)

Well Stabilization : is considered to be achieved when three consecutive readings, taken at 5 minute intervals are within the following limits: **DO +/- 0.3 mg/L; Spec. Cond. +/-3%; Temp. +/-3%; pH +/- 0.1 unit; ORP +/-10 mV;**
Addn'l Guidelines: Drawdown <= 0.33 feet; Pumping rates = 100 to 400 ml/min; Turbidity +/-10% or < 10 NTU.

AMAI Well Purging and Low Flow Sampling Form

Well Number: MW-16

Site Name, Location: BMS Humacao **Personnel:** Del Valle / Stuart

Equipment Used: YSI dedicated pump, tubing, bladder cord **Date:** June 17, 2017

Monitoring Well Information:

Diameter/Material:	2 / PVC
Depth to Bottom (ft from TOC):	16.4
Top of Screen (ft from TOC):	6.4
Bottom of Screen (ft from TOC):	16.4
Pump Intake Level (ft from TOC):	~12
Desired Pumping Rate (Lpm):	0.1-0.4

Well Purging Information:

Measured DTW (ft from TOC)/Time:	07.48 / 1434
Measured DTB (ft from TOC)/Time:	(16.4) /
Headspace Reading (ppm):	
Time @/Start Purging:	1440
Time @ Stop Purging:	1539
Time @ Stop Sampling:	1602
Purge Volume (gallons):	5.5

Time	DTW (ft TOC)	Temp (C)	S.Cond (µS/cm)	DO (mg/l)	pH	ORP (mV)	Turbidity (NTU)	Flow (mL/min)
1440	—	—	—	START	—	—	—	—
1444	7.52	32.50	0.619	2.90	7.31	48.3	62.6	250
1449	7.52	31.60	0.796	0.47	7.09	27.3	23.0	200
1454	7.52	31.34	0.766	0.23	6.94	18.1	14.4	400
1459	7.53	31.22	0.723	0.17	6.78	12.9	30.1	500
1504	7.53	31.34	0.714	0.16	6.73	6.8	29.6	100
1509	7.53	31.61	0.709	0.18	6.73	2.2	26.2	100
1514	7.53	31.68	0.703	0.19	6.72	0.0	26.86	100
1519	7.53	31.65	0.705	0.20	6.72	-3.4		100
1524	7.53	31.59	0.703	0.19	6.72	-4.2	11.8	100
1529	7.53	31.38	0.696	0.17	6.69	-4.2	7.85	250
1534	7.53	31.26	0.691	0.13	6.68	-5.0	7.26	300
1539	7.53	31.23	0.680	0.12	6.65	-4.4	5.27	300
			Ready to sample					

Comments:

Sample Time: 1602 DUP — MS — MSD — Water Quality/Appearance: Turbid/clear

Sample Analysis: — DUP — MS — MSD —

Additional Comments:

Well Stabilization : is considered to be achieved when three consecutive readings, taken at 5 minute intervals are within the following limits: **DO +/- 0.3 mg/L; Spec. Cond. +/-3%; Temp. +/-3%; pH +/- 0.1 unit; ORP +/-10 mV; Addn'l Guidelines: Drawdown <= 0.33 feet; Pumping rates = 100 to 400 ml/min; Turbidity +/-10% or < 10 NTU.**

AMAI Well Purging and Low Flow Sampling Form

Well Number: MW-17

Site Name, Location: BMS - Humacao

Personnel: N Rivera, ~~S Dattatto~~ T Stanford

Equipment Used: dedicated pump, bladder, tubing, cord

Date: June 10, 2016

Monitoring Well Information:

Diameter/Material:	2 / PVC
Depth to Bottom (ft from TOC):	13.7
Top of Screen (ft from TOC):	3.7
Bottom of Screen (ft from TOC):	13.7
Pump Intake Level (ft from TOC):	~10
Desired Pumping Rate (Lpm):	0.1 – 0.4

Well Purging Information:

Measured DTW (ft from TOC)/Time:	5.50 / 1134
Measured DTB (ft from TOC)/Time:	13.7 /
Headspace Reading (ppm):	
Time @ Start Purging:	1132
Time @ Stop Purging:	1202
Time @ Stop Sampling:	1249
Purge Volume (gallons):	3.75

	Time	DTW (ft TOC)	Temp (C)	S.Cond (µS/cm)	DO (mg/l)	pH	ORP (mV)	Turbidity (NTU)	Flow (mL/min)
1132	1202	Start	31.20	0.414	0.50	6.50	-49.4	12.8	200
1137	1206	—	↓	↓	↓	↓	↓	↓	↓
1142	1142	5.12	30.85	0.363	0.16	6.45	-64.5	4.87	250
	1147	5.12	30.81	0.357	0.10	6.48	-69.7		
	1152	5.12	30.79	0.355	0.07	6.51	-72.2	2.64	250 ↓
	1157	5.12	30.88	0.357	0.06	6.52	-72.9	2.41	150
	1202	5.12	30.89	0.360	0.04	6.53	-70.3	2.09	200
			Ready to sample.						

Comments:

Sample Time: 1225 DUP ✓ MS 1237 MSD 1249 Water Quality/Appearance: Clear

Sample Analysis: _____ DUP ✓ MS _____ MSD _____

Additional Comments: _____

Well Stabilization : is considered to be achieved when three consecutive readings, taken at 5 minute intervals are within the following limits: **DO +/- 0.3 mg/L; Spec. Cond. +/-3%; Temp. +/-3%; pH +/- 0.1 unit; ORP +/-10 mV; Addn'l Guidelines: Drawdown <= 0.33 feet; Pumping rates = 100 to 400 ml/min; Turbidity +/-10% or < 10 NTU.**

AMAI Well Purging and Low Flow Sampling Form

Well Number: MW-18

Site Name, Location: BWS. Hermosillo

Personnel: J. Stewart / N. Rivera

Equipment Used: dedicated pump, bladder, tubing, cord

Date: June 10, 2016

Monitoring Well Information:

Diameter/Material: 2 / PVC
Depth to Bottom (ft from TOC): 14
Top of Screen (ft from TOC): 4
Bottom of Screen (ft from TOC): 14
Pump Intake Level (ft from TOC): ~10
Desired Pumping Rate (Lpm): 0.1-0.4

Well Purging Information:

Measured DTW (ft from TOC)/Time: 4.74 / 1506
Measured DTB (ft from TOC)/Time: (14) /
Headspace Reading (ppm):
Time @ Start Purging: 1512
Time @ Stop Purging: 1617
Time @ Stop Sampling: 1650
Purge Volume (gallons): 5.0

Time	DTW (ft TOC)	Temp (C)	S.Cond (µS/cm)	DO (mg/l)	pH	ORP (mV)	Turbidity (NTU)	Flow (mL/min)
1512	start	~~39.93~~ ~~39.78~~	~~0.924~~	~~2.95~~	~~6.11~~	~~-49.9~~	—	—
1517	4.77	30.93	0.924	2.93	6.11	-49.9	93.6	250
1522	4.77	30.43	0.984	1.55	6.11	-60.7	65.1	200
1527	4.78	30.53	0.979	1.25	6.15	-67.7	45.1	200
1532	4.78	30.46	0.981	0.97	6.17	-70.5	40.3	350
1537	4.78	30.44	0.980	0.70	6.17	-71.8	36.8	300
1542	4.79	30.39	0.984	0.54	6.18	-71.0	26.4	250
1547	4.79	30.40	0.985	0.43	6.18	-71.4	21.7	250
1552	4.78	30.38	0.985	0.33	6.18	-70.9	18.6	250
1557	4.80	30.34	0.981	0.25	6.18	-70.9	15.7	300
1602	4.79	30.34	0.978	0.17	6.19	-69.7	11.4	375
1607	4.78	30.40	0.976	0.15	6.19	-71.3	8.4	200
1612	4.78	30.31	0.974	0.12	6.19	-71.0	7.88	400
1617	4.79	30.30	0.969	0.09	6.20	-70.9	6.09	350
			Ready to sample.					

Comments:
Sample Time: 1650 DUP ✓ MS ✓ MSD ✓
Sample Analysis: DUP ✓ MS ✓ MSD ✓

Water Quality/Appearance: clear / green

Additional Comments:

Well Stabilization : is considered to be achieved when three consecutive readings, taken at 5 minute intervals are within the following limits: **DO +/- 0.3 mg/L; Spec. Cond. +/-3%; Temp. +/-3%; pH +/- 0.1 unit; ORP +/-10 mV; Addn'l Guidelines: Drawdown <= 0.33 feet; Pumping rates = 100 to 400 ml/min; Turbidity +/-10% or < 10 NTU.**

AMAI Well Purging and Low Flow Sampling Form

Well Number: MW-19

Site Name, Location: BMS, Humacao
Equipment Used: YSI dedicated bladder, tubing
Personnel: J. Del Valle/R. Stuart
Date: June 16, 2016

Monitoring Well Information:

Diameter/Material: 2 / PVC
Depth to Bottom (ft from TOC): 14.31
Top of Screen (ft from TOC): 4.31
Bottom of Screen (ft from TOC): 14.31
Pump Intake Level (ft from TOC): ~10
Desired Pumping Rate (Lpm): 0.1-0.4

Well Purging Information:

Measured DTW (ft from TOC)/Time: 3.40 / 1100
Measured DTB (ft from TOC)/Time: (14.31) /
Headspace Reading (ppm):
Time @ Start Purging: 1110
Time @ Stop Purging: 1204
Time @ Stop Sampling:
Purge Volume (gallons): 5.0

Time	DTW (ft TOC) RS	Temp (C)	S.Cond (µS/cm)	DO (mg/l)	pH	ORP (mV)	Turbidity (NTU)	Flow (mL/min)
1110	3.42		START					
1119	3.42	31.25	0.602	3.10	7.02	32.9	922 AU	300
1124	3.42	30.58	0.601	0.47	6.60	-53.6	1203 AU	300 ↓
1129	3.42	30.62	0.598	0.32	6.62	-64.7	676 AU	300
1134	3.43	30.66	0.605	0.32	6.69	-71.7	-28.0 NTU	300
1139	3.42	30.73	0.603	0.36	6.71	-73.0	48.9	300
1144	2.42	30.73	0.601	0.41	6.71	-72.8	28.5	300
1149	2.42	30.74	0.601	0.44	6.72	-72.0	20.6	300
1154	2.42	30.75	0.601	0.42	6.72	-71.6	14.7	300
1159	2.43	30.74	0.601	0.43	6.72	-71.2	13.1	300
1204	2.43	30.72	0.602	0.43	6.73	-71.1	11.5	300
			Ready to sample					

Comments:
Sample Time: _____ DUP ✓ MS ✓ MSD ✓ Water Quality/Appearance: cloudy
Sample Analysis: _____ DUP ✓ MS _____ MSD ✓

Additional Comments: Apparent hydrocarbon odor
0.38 ~~3 3/4 from top of PVC to the top of manhole~~ ~~2 inch~~ ~~2.5"~~
~~3 3/8 from bottom of PVC at~~ from top of PVC to manhole below top of manhole. Lead 0

Well Stabilization : is considered to be achieved when three consecutive readings, taken at 5 minute intervals are within the following limits: **DO +/- 0.3 mg/L; Spec. Cond. +/-3%; Temp. +/-3%; pH +/- 0.1 unit; ORP +/-10 mV;**
Addn'l Guidelines: Drawdown <= 0.33 feet; Pumping rates = 100 to 400 ml/min; Turbidity +/-10% or < 10 NTU.

AMAI Well Purging and Low Flow Sampling Form

Well Number: BR-1

Site Name, Location: BMS. Humacao

Personnel: N. Rivera / J. Del Valle

Equipment Used: decontaminated pump, Dedicated bladder, tubing, cord

Date: June 8, 2016

Monitoring Well Information:

Diameter/Material: 2, PVC
Depth to Bottom (ft from TOC): 12.8
Top of Screen (ft from TOC): 2.8
Bottom of Screen (ft from TOC): 12.8
Pump Intake Level (ft from TOC): ~10
Desired Pumping Rate (Lpm): 0.1-0.4

Well Purging Information:

Measured DTW (ft from TOC)/Time: 5.83 / 1621
Measured DTB (ft from TOC)/Time: (12.8) /
Headspace Reading (ppm):
Time @ Start Purging: 1627
Time @ Stop Purging: 1654
Time @ Stop Sampling: 1712
Purge Volume (gallons): 2

Time	DTW (ft TOC)	Temp (C)	S.Cond (µS/cm)	DO (mg/l)	pH	ORP (mV)	Turbidity (NTU)	Flow (mL/min)
1627	5.83							
1627	Start							
1629	5.93	32.11	617	1.64	7.13	-117.6	16.6	300 ↓
1634	5.93	32.10	616	0.39	7.03	-127.1	14.3	300 ↓
1639	5.93	32.11	614	0.29	7.01	-135.4	11.8	300
1644	5.93	32.67	614	0.20	7.02	-138.1	8.87	300
1649	5.93	32.06	615	0.18	7.03	-139.3	9.40	300
1654	5.93	32.07	616	0.16	7.03	-139.6	8.23	300
			Ready to sample					

Comments:
Sample Time: 1712 DUP / MS / MSD / Water Quality/Appearance: clear
Sample Analysis: See Note DUP / MS / MSD /

Additional Comments: VOC (3 vials), LMA 3 vials, VOC (3 vials), SVOC, INOC x Sim, EPA (w/ HCL

Well Stabilization : is considered to be achieved when three consecutive readings, taken at 5 minute intervals are within the following limits: **DO +/- 0.3 mg/L; Spec. Cond. +/-3%; Temp. +/-3%; pH +/- 0.1 unit; ORP +/-10 mV; Addn'l Guidelines: Drawdown <= 0.33 feet; Pumping rates = 100 to 400 ml/min; Turbidity +/-10% or < 10 NTU.**

AMAI Well Purging and Low Flow Sampling Form

Well Number: BR-2

Site Name, Location: BMS Humacao

Personnel: N. Rivera / J. Del Valle

Equipment Used: dedicated bladder, tubing, cord. decontaminated pump

Date: June 8, 2016

Monitoring Well Information:

Diameter/Material: 2, PVC

Depth to Bottom (ft from TOC): 12.70

Top of Screen (ft from TOC): 2.7

Bottom of Screen (ft from TOC): 12.7

Pump Intake Level (ft from TOC): 10

Desired Pumping Rate (Lpm): 0.1-0.4

Well Purging Information:

Measured DTW (ft from TOC)/Time: 6.70 / 1322

Measured DTB (ft from TOC)/Time: (12.7) /

Headspace Reading (ppm):

Time @ Start Purging: 1332

Time @ Stop Purging: 1410

Time @ Stop Sampling: 1453

Purge Volume (gallons): 3.75

Time	DTW (ft TOC)	Temp (C)	S.Cond (µS/cm)	DO (mg/l)	pH	ORP (mV)	Turbidity (NTU)	Flow (mL/min)
1328	6.67	after installing pump / tubing						
1332	START							
1340	6.79	29.76	983	0.53	7.02	-88.7	8.10	200
1345	6.83	29.49	958	1.33	7.00	-98.2	7.21	200
1350	6.86	29.31	844	0.55	6.96	-106.6	6.65	300 ↓
1355	6.82	29.23	715	0.24	6.98	-110.5	5.96	300 ↓
1400	6.84	29.28	634	0.25	6.98	-119.7	7.40	200
1405	6.82	29.28	623	0.28	6.98	-119.5	6.59	200
1410	6.83	29.24	617	0.28	6.98	-118.8	5.86	200
			Ready to sample					

Comments:

Sample Time: 1429 DUP 1453 MS / MSD /

Water Quality/Appearance: clear

Sample Analysis: all N.Y. DUP see note MS / MSD /

Additional Comments:

Well Stabilization : is considered to be achieved when three consecutive readings, taken at 5 minute intervals are within the following limits: **DO +/- 0.3 mg/L; Spec. Cond. +/-3%; Temp. +/-3%; pH +/- 0.1 unit; ORP +/-10 mV; Addn'l Guidelines: Drawdown <= 0.33 feet; Pumping rates = 100 to 400 ml/min; Turbidity +/-10% or < 10 NTU.**

AMAI Well Purging and Low Flow Sampling Form

Well Number: BR-3

Site Name, Location: BMS- Humacao

Personnel: Nestor Rivera / Jose Del Valle

Equipment Used: dedicated bladder, hosing/cord decontaminated pump

Date: June 8, 2016

Monitoring Well Information:

Diameter/Material: 2 / PVC
Depth to Bottom (ft from TOC): 12.6
Top of Screen (ft from TOC): 2.6
Bottom of Screen (ft from TOC): 12.6
Pump Intake Level (ft from TOC): ~9
Desired Pumping Rate (Lpm): 0.10 to 0.40

Well Purging Information:

Measured DTW (ft from TOC)/Time: 5.75 / 1110
Measured DTB (ft from TOC)/Time: (12.6) /
Headspace Reading (ppm):
Time @ Start Purging: 1128
Time @ Stop Purging: 1208
Time @ Stop Sampling: 1243
Purge Volume (gallons): 1.5

Time	DTW (ft TOC)	Temp (C)	S.Cond (µS/cm)	DO (mg/l)	pH	ORP (mV)	Turbidity (NTU)	Flow (mL/min)
1128	5.57	After installing the pump						
1130	start							
1133	7.27	29.77	827	3.62	6.78	209.1	17.0	200
1138	8.60	29.66	732	0.58	6.84	51.0	15.1	200↓
1143	9.04	29.82	757	0.59	6.89	-27.7	22.0	100
1148	9.37	29.81	733	0.70	6.87	-59.8	67.1	200↓
1153	9.22	29.82	714	0.61	6.90	-64.5	49.5	100
1158	9.22	29.92	661	0.95	6.84	-78.2	32.4	150
1203	9.22	29.90	649	0.94	6.84	-78.8	32.8	150
1208	9.22	29.94	641	1.03	6.84	-74.3	33.0	150
			Ready to sample					

Comments:

Sample Time: 1243 DUP _____ MS _____ MSD _____ Water Quality/Appearance: cloudy

Sample Analysis: All below DUP _____ MS _____ MSD _____

Additional Comments: VOC, 3 vials, LMA 3 vials, 3 vials VPD, 1 L SVOC, 1 L SVOC-SIM, 2 EPH w/Acid 1 L,
EB080816 @ 913 (full EB)

Well Stabilization : is considered to be achieved when three consecutive readings, taken at 5 minute intervals are within the following limits: **DO +/- 0.3 mg/L; Spec. Cond. +/-3%; Temp. +/-3%; pH +/- 0.1 unit; ORP +/-10 mV; Addn'l Guidelines: Drawdown <= 0.33 feet; Pumping rates = 100 to 400 ml/min; Turbidity +/-10% or < 10 NTU.**

AMAI Well Purging and Low Flow Sampling Form

Well Number: BR-4

Site Name, Location: BMS - Humacao

Personnel: N. Rivas

Equipment Used: dedicated bladder, tubing, cord. decontaminated pump

Date: June 17, 2016

Monitoring Well Information:

Diameter/Material: 2 / PVC
Depth to Bottom (ft from TOC): 16.25
Top of Screen (ft from TOC): 6.25
Bottom of Screen (ft from TOC): 16.25
Pump Intake Level (ft from TOC): -11
Desired Pumping Rate (Lpm): 0.1 - 0.4

Well Purging Information:

Measured DTW (ft from TOC)/Time: 5.34 / 1033
Measured DTB (ft from TOC)/Time: (15.97) +/ 0.28=16.25
Headspace Reading (ppm):
Time @ Start Purging: 1111
Time @ Stop Purging: 1200
Time @ Stop Sampling: 1305
Purge Volume (gallons): 1

Time	DTW (ft TOC)	Temp (C)	S.Cond (µS/cm)	DO (mg/l)	pH	ORP (mV)	Turbidity (NTU)	Flow (mL/min)
1050 4:45	4.45	After installing pump / tubing						
1104	4.78							
1111	4.78	START						
1130	7.18	32.11	668	120.4	9.52	120.4	107.5	100
1135	7.63	32.07	667	1.00	9.68	111.0	41.8	75 ↑
1140	8.18	32.02	665	1.10	9.69	118.1	35.2	100
1145	9.07	31.66	659	1.30	9.73	128.7	7.5	100
1150	9.33	31.66	656	1.46	9.77	129.3	11.9	100
1155	9.48	31.53	656	1.43	9.74	133.4	12.4	100
1200	9.59	31.36	658	1.39	9.80	137.2	12.5	100
			Ready to	sample				

Comments:
Sample Time: 1305 DUP / MS / MSD / Water Quality/Appearance: cloudy, brown
Sample Analysis: see below DUP / MS / MSD /

Additional Comments: False Turbidity reading. Water has brown color

Collected VOC, LMA, VPH, SVOC, SVOC SIM, EPH

Well Stabilization : is considered to be achieved when three consecutive readings, taken at 5 minute intervals are within the following limits: **DO +/- 0.3 mg/L; Spec. Cond. +/-3%; Temp. +/-3%; pH +/- 0.1 unit; ORP +/-10 mV; Addn'l Guidelines: Drawdown <= 0.33 feet; Pumping rates = 100 to 400 ml/min; Turbidity +/-10% or < 10 NTU.**

AMAI Well Purging and Low Flow Sampling Form

Well Number: A-1R4

Site Name, Location: BMS - Humacao

Personnel: N. Rivera / J. del Valle

Equipment Used: dedicated bladder, tubing, cord

Date: June 6, 2012

Monitoring Well Information:

Diameter/Material: 2 / PVC
Depth to Bottom (ft from TOC): 14.1
Top of Screen (ft from TOC): 4.1
Bottom of Screen (ft from TOC): 14.1
Pump Intake Level (ft from TOC): ~10
Desired Pumping Rate (Lpm): 0.1-0.4

Well Purging Information:

Measured DTW (ft from TOC)/Time: 5.22 / 1603
Measured DTB (ft from TOC)/Time: (14.1) /
Headspace Reading (ppm):
Time @ Start Purging: 1612
Time @ Stop Purging: 1650
Time @ Stop Sampling: 1729
Purge Volume (gallons): 3

Time	DTW (ft TOC)	Temp (C)	S.Cond (µS/cm)	DO (mg/l)	pH	ORP (mV)	Turbidity (NTU)	Flow (mL/min)
1612	Start							
1617	5.42	30.45	1842	2.73	6.64	-93.9	11.4	200
1622	5.53	30.04	1623	0.21	6.62	-90.6	7.78	250
1627	5.65	29.89	1687	0.11	6.58	-90.2	8.23	250
1632	5.65	29.64	1932	0.09	6.50	-88.4	8.44	250
1635	5.80	29.55	1967	0.06	6.49	-91.5	7.89	400+
1640	5.80	29.51	2043	0.05	6.48	-88.8	5.49	250
1645	5.80	29.47	2092	0.05	6.47	-89.0	6.52	250
1650	5.85	29.48	2053	0.03	6.49	-90.2	4.03	250
1729								
TW								

Comments:
Sample Time: 1729 DUP ✓ MS ✓ MSD ✓ Water Quality/Appearance: yellow/musk
Sample Analysis: See note DUP ✓ MS ✓ MSD ✓

Additional Comments: 3 vials VOC, 3 vials LMA, 3 vials VPH, 1 SVOC, 1 SVOC-SIM, PAH, EPH

Well Stabilization : is considered to be achieved when three consecutive readings, taken at 5 minute intervals are within the following limits: **DO +/- 0.3 mg/L; Spec. Cond. +/-3%; Temp. +/-3%; pH +/- 0.1 unit; ORP +/-10 mV; Addn'l Guidelines: Drawdown <= 0.33 feet; Pumping rates = 100 to 400 ml/min; Turbidity +/-10% or < 10 NTU.**

AMAI Well Purging and Low Flow Sampling Form

Well Number: A-2R2

Site Name, Location: BMS, Humacao

Personnel: N Rivera / J. Del Valle

Equipment Used: dedicated bladder, tubing, cord

Date: June 6, 2012

Monitoring Well Information:

Diameter/Material:	2, PVC
Depth to Bottom (ft from TOC):	12.7
Top of Screen (ft from TOC):	2.7
Bottom of Screen (ft from TOC):	12.7
Pump Intake Level (ft from TOC):	~9
Desired Pumping Rate (Lpm):	0.1-0.4

Well Purging Information:

Measured DTW (ft from TOC)/Time:	5.43 / 1759
Measured DTB (ft from TOC)/Time:	(12.7) /
Headspace Reading (ppm):	
Time @ Start Purging:	1758
Time @ Stop Purging:	1825
Time @ Stop Sampling:	1847
Purge Volume (gallons):	3

Time	DTW (ft TOC)	Temp (C)	S.Cond (µS/cm)	DO (mg/l)	pH	ORP (mV)	Turbidity (NTU)	Flow (mL/min)
1758	start							
1800	5.98	30.17	867	0.10	6.71	-10.4	8.77	200
1805	6.05	30.88	677	0.09	6.77	-10.3	3.34	400 ↓
1810	5.98	30.16	674	0.06	6.67	-19.5	2.89	200
1815	5.98	30.09	679	0.03	6.65	-29.9	2.69	200
1820	5.98	30.07	685	0.03	6.65	-35.9	2.35	200
1825	5.98	30.04	689	0.02	6.65	-38.9	2.10	200
			READY TO SAMPLE					

Comments:

Sample Time: 1847 DUP ✓ MS ✓ MSD ✓ Water Quality/Appearance: clear

Sample Analysis: see notes DUP ✓ MS ✓ MSD ✓

Additional Comments: VOC 3 vials, 3 vials LMS, 3 vials VPH, 1 SVOC, 1 SVOC-SIM, 4 VOC vials → EPA, Pest.

Well Stabilization : is considered to be achieved when three consecutive readings, taken at 5 minute intervals are within the following limits: **DO +/- 0.3 mg/L; Spec. Cond. +/-3%; Temp. +/-3%; pH +/- 0.1 unit; ORP +/-10 mV; Addn'l Guidelines: Drawdown <= 0.33 feet; Pumping rates = 100 to 400 ml/min; Turbidity +/-10% or < 10 NTU.**

AMAI Well Purging and Low Flow Sampling Form

Well Number: D1R

Site Name, Location: BMS Humacao

Personnel: N. Rivera / R. Stuart

Equipment Used: YSI dedicated bladder pump, cord, tubing

Date: June 15, 2016

Monitoring Well Information:

Diameter/Material: 2 / PVC
Depth to Bottom (ft from TOC): 16.1
Top of Screen (ft from TOC): 6.1
Bottom of Screen (ft from TOC): 16.1
Pump Intake Level (ft from TOC): -12
Desired Pumping Rate (Lpm): 0.1-0.4

Well Purging Information:

Measured DTW (ft from TOC)/Time: 8.28 / 1615
Measured DTB (ft from TOC)/Time: (16.1) /
Headspace Reading (ppm):
Time @ Start Purging: 1617
Time @ Stop Purging: 1654
Time @ Stop Sampling: 1716
Purge Volume (gallons): 1.0

Time	DTW (ft TOC)	Temp (C)	S.Cond (µS/cm)	DO (mg/l)	pH	ORP (mV)	Turbidity (NTU)	Flow (mL/min)
1617	8.28							
1624	8.33	32.43	0.831	0.49	6.92	-64.3	14.0	150
1629	8.33	31.96	0.831	0.23	6.68	-67.3	16.9	100
1634	8.33	31.64	0.827	0.15	6.63	-70.3	15.3	100
1639	8.33	31.50	0.823	0.11	6.58	-70.3	12.4	100
1644	8.33	31.48	0.821	0.08	6.58	-71.5	7.51	100
1649	8.34	31.30	0.821	0.06	6.60	-73.7	7.28	150
1654	8.35	31.30	0.820	0.05	6.61	-76.1	6.10	150
			Ready to sample.					

Comments:
Sample Time: 1716 DUP / MS / MSD / Water Quality/Appearance: clear
Sample Analysis: DUP / MS / MSD /

Additional Comments:

Well Stabilization : is considered to be achieved when three consecutive readings, taken at 5 minute intervals are within the following limits: **DO +/- 0.3 mg/L; Spec. Cond. +/-3%; Temp. +/-3%; pH +/- 0.1 unit; ORP +/-10 mV; Addn'l Guidelines: Drawdown <= 0.33 feet; Pumping rates = 100 to 400 ml/min; Turbidity +/-10% or < 10 NTU.**

AMAI Well Purging and Low Flow Sampling Form

Well Number: E1R

Site Name, Location: BMS, Humacao

Equipment Used: VSP dedicated bladder, tubing pump cord

Personnel: N. Rivera / R. Stuart

Date: June 15, 2016

Monitoring Well Information:

Diameter/Material: 2" PVC
Depth to Bottom (ft from TOC): 20.7
Top of Screen (ft from TOC): 16.7
Bottom of Screen (ft from TOC): 20.7
Pump Intake Level (ft from TOC): ~15
Desired Pumping Rate (Lpm): 0.1 to .4

Well Purging Information:

Measured DTW (ft from TOC)/Time: 8.18 / 1348
Measured DTB (ft from TOC)/Time: (20.7) /
Headspace Reading (ppm):
Time @ Start Purging: 1351
Time @ Stop Purging: 1422
Time @ Stop Sampling: 1442
Purge Volume (gallons): 1.25

Time	DTW (ft TOC)	Temp (C)	S.Cond (µS/cm)	DO (mg/l)	pH	ORP (mV)	Turbidity (NTU)	Flow (mL/min)
1351	8.18			START				
1357	8.19	32.72	1.292	3.38	6.79	-42.6	43.4	225
1402	8.19	31.85	1.295	1.50	6.86	-53.3	37.8	250
1407	8.21	31.63	1.304	1.43	6.91	-57.4	32.4	150 ↓
1412	8.25	31.63	1.301	1.77	6.95	-56.1	31.2	225 ↓
1417	8.24	31.58	1.301	1.79	6.97	-55.5	31.1	150
1422	8.25	31.62	1.302	1.94	6.99	-54.7	30.8	150
1427								
1432			Ready to sample					
1437								

Comments:

Sample Time: 1442 DUP ✓ MS ✓ MSD ✓ Water Quality/Appearance: cloudy

Sample Analysis: DUP ✓ MS ✓ MSD ✓

Additional Comments:

Well Stabilization : is considered to be achieved when three consecutive readings, taken at 5 minute intervals are within the following limits: **DO +/- 0.3 mg/L; Spec. Cond. +/-3%; Temp. +/-3%; pH +/- 0.1 unit; ORP +/-10 mV; Addn'l Guidelines: Drawdown <= 0.33 feet; Pumping rates = 100 to 400 ml/min; Turbidity +/-10% or < 10 NTU.**

AMAI Well Purging and Low Flow Sampling Form

Well Number: G1R3

Site Name, Location: BMS Humacao

Personnel: N. Rivera / R. Stuart

Equipment Used: YSI dedicated pump, bladder, tubing, cond

Date: June 15, 2016

Monitoring Well Information:

Diameter/Material: 2 / PVC
Depth to Bottom (ft from TOC): 15.7
Top of Screen (ft from TOC): 5.7
Bottom of Screen (ft from TOC): 15.7
Pump Intake Level (ft from TOC): ~11
Desired Pumping Rate (Lpm): 0.1-0.4

Well Purging Information:

Measured DTW (ft from TOC)/Time: 6.27 / 1135
Measured DTB (ft from TOC)/Time: (15.7) /
Headspace Reading (ppm):
Time @ Start Purging: 11:43
Time @ Stop Purging: 1243
Time @ Stop Sampling: 1302
Purge Volume (gallons): 2.25

Time	DTW (ft TOC)	Temp (C)	S.Cond (µS/cm)	DO (mg/l)	pH	ORP (mV)	Turbidity (NTU)	Flow (mL/min)
1143	5.94			START				
1153	5.49	31.57	0.411	0.56	6.34	5.0	22.5	100
1158	6.73	31.22	0.359	0.44	6.39	-27.4	26.2	100
1203		31.01	0.333	0.53	6.42	-35.6	25.3	100
1208		30.97	0.322	0.90	6.44	-36.1	24.1	100
1213		30.96	0.324	1.26	6.45	-33.2	23.6	150
1218		30.92	0.333	1.77	6.47	-29.5	24.4	125
1223	7.77	30.74	0.345	2.13	6.47	-25.9	25.8	150
1228	6.55	30.74	0.359	2.33	6.49	-23.5	25.5	175
1233	7.09	30.75	0.368	2.55	6.49	-21.2	25.5	175
1238	7.63	30.66	0.379	2.72	6.50	-20.4	24.9	175
1243	7.67	30.56	0.383	2.87	6.51	-19.4	24.7	175
			Ready	to	sample			

Comments:

Sample Time: 1302 DUP / MS / MSD /

Water Quality/Appearance: Cloudy

Sample Analysis: DUP / MS / MSD /

Additional Comments:

Well Stabilization : is considered to be achieved when three consecutive readings, taken at 5 minute intervals are within the following limits: **DO +/- 0.3 mg/L; Spec. Cond. +/-3%; Temp. +/-3%; pH +/- 0.1 unit; ORP +/-10 mV; Addn'l Guidelines: Drawdown <= 0.33 feet; Pumping rates = 100 to 400 ml/min; Turbidity +/-10% or < 10 NTU.**

AMAI Well Purging and Low Flow Sampling Form

Well Number: MW-11

Site Name, Location: BMS- Humacao

Personnel: N Rivera/J. Del Valle

Equipment Used: dedicated bladder, tubing, and decontaminated pump

Date: July 9, 2012

Monitoring Well Information:

Diameter/Material: 2 / PVC
Depth to Bottom (ft from TOC): 20.5
Top of Screen (ft from TOC): 10.5
Bottom of Screen (ft from TOC): 20.5
Pump Intake Level (ft from TOC): 15
Desired Pumping Rate (Lpm): 0.1 - 0.4

Well Purging Information:

Measured DTW (ft from TOC)/Time: 11.27 / 11:54
Measured DTB (ft from TOC)/Time: (20.5) /
Headspace Reading (ppm):
Time @ Start Purging: 1211
Time @ Stop Purging: 1244
Time @ Stop Sampling:
Purge Volume (gallons): 3.25

Time	DTW (ft TOC)	Temp (C)	S.Cond (µS/cm)	DO (mg/l)	pH	ORP (mV)	Turbidity (NTU)	Flow (mL/min)
1210	11.24	After installing hose						
1211	Start							
1214	1132	28.09	433	3.16	6.51	50.1	13.9	250
1219	1133	27.35	397	1.87	6.50	14.1	9.80	250
1224	1133	27.10	395	1.35	6.55	4.5	9.20	250
1229	1133	26.98	396	0.97	6.58	1.2	8.12	250
1234	1133	26.95	397	0.80	6.58	0.0	7.23	250
1239	1133	26.87	398	0.62	6.59	-1.2	8.11	250
1244	1133	26.79	399	0.50	6.59	-2.0	9.00	250
			Ready to sample					

Comments:

Sample Time: 1253 DUP — MS — MSD — Water Quality/Appearance: clear

Sample Analysis: See list DUP — MS — MSD —

Additional Comments:

Well Stabilization : is considered to be achieved when three consecutive readings, taken at 5 minute intervals are within the following limits: **DO +/- 0.3 mg/L; Spec. Cond. +/-3%; Temp. +/-3%; pH +/- 0.1 unit; ORP +/-10 mV; Addn'l Guidelines: Drawdown <= 0.33 feet; Pumping rates = 100 to 400 ml/min; Turbidity +/-10% or < 10 NTU.**

AMAI Well Purging and Low Flow Sampling Form

Well Number: S-28

Site Name, Location: BMS. Humacao

Personnel: N. Rivera / J. Del Valle

Equipment Used: dedicated pump, bladder, tubing, cord

Date: July 9, 2016

Monitoring Well Information:

Diameter/Material:	2, PVC
Depth to Bottom (ft from TOC):	19.8
Top of Screen (ft from TOC):	9.8
Bottom of Screen (ft from TOC):	19.8
Pump Intake Level (ft from TOC):	~15
Desired Pumping Rate (Lpm):	0.1 - 0.4

Well Purging Information:

Measured DTW (ft from TOC)/Time:	9.33 / 1535
Measured DTB (ft from TOC)/Time:	(19.8) /
Headspace Reading (ppm):	
Time @ Start Purging:	1537
Time @ Stop Purging:	1628
Time @ Stop Sampling:	1644
Purge Volume (gallons):	3

Time	DTW (ft TOC)	Temp (C)	S.Cond (µS/cm)	DO (mg/l)	pH	ORP (mV)	Turbidity (NTU)	Flow (mL/min)
1537	start							
1543	9.44	30.86	1015	1.93	6.60	-56.5	3.15	350 ↓
1548	9.59	30.38	1057	1.52	6.55	-71.1	8.34	250 ↓
1553	9.58	30.28	1035	1.80	6.62	-65.1	17.6	250 ↓
1558	9.58	30.32	1038	2.47	6.67	-56.0	23.9	150
1603	9.58	30.28	1037	2.85	6.68	-54.1	34.6	200 ↓
1608	9.58	30.21	1037	2.85	6.68	-52.3	40.1	150
1613	9.58	30.24	1041	2.87	6.71	-53.7	43.8	200 ↓
1618	9.59	30.27	1039	2.87	6.71	-52.2	44.7	150
1623	9.59	30.14	1032	2.90	6.72	-52.0	45.2	150
1628	9.60	30.09	1027	2.84	6.72	-53.8	45.0	150
1633								
			Ready to sample					

Comments:

Sample Time: 1644 DUP ✓ MS ✓ MSD ✓ Water Quality/Appearance: cloudy

Sample Analysis: DUP ✓ MS ✓ MSD ✓

Additional Comments:

Well Stabilization : is considered to be achieved when three consecutive readings, taken at 5 minute intervals are within the following limits: **DO +/- 0.3 mg/L; Spec. Cond. +/-3%; Temp. +/-3%; pH +/- 0.1 unit; ORP +/-10 mV; Addn'l Guidelines: Drawdown <= 0.33 feet; Pumping rates = 100 to 400 ml/min; Turbidity +/-10% or < 10 NTU.**

AMAI Well Purging and Low Flow Sampling Form

Well Number: S-29R

Site Name, Location: BMS - Humacao

Personnel: A. Rivera, J. Del Valle

Equipment Used: dedicated bladder, tubing, water

Date: June 7, 2016

Monitoring Well Information:

Diameter/Material: 2 / PVC
Depth to Bottom (ft from TOC): 21.4
Top of Screen (ft from TOC): 11.4
Bottom of Screen (ft from TOC): 21.4
Pump Intake Level (ft from TOC): 16
Desired Pumping Rate (Lpm): 0.1-0.4

Well Purging Information:

Measured DTW (ft from TOC)/Time: 8.13 / 1508
Measured DTB (ft from TOC)/Time: 21.47 /
Headspace Reading (ppm):
Time @ Start Purging: 15.08
Time @ Stop Purging: 15 33
Time @ Stop Sampling: 15.51
Purge Volume (gallons): 1.5

Time	DTW (ft TOC)	Temp (C)	S.Cond (µS/cm)	DO (mg/l)	pH	ORP (mV)	Turbidity (NTU)	Flow (mL/min)
1508	START							
1513	8.15	33.75	826	0.58	6.59	-89.2	6.60	100
1518	8.20	33.41	831	0.23	6.57	-86.2	5.91	125
1523	8.20	33.19	832	0.10	6.56	-89.8	6.47	125
1528	8.20	32.95	831	0.07	6.55	-90.1	5.62	125
1533	8.20	32.82	831	0.06	6.55	-92.2		125

Comments:

Sample Time: 1551 DUP ✓ MS ✓ MSD ✓ Water Quality/Appearance: clear

Sample Analysis: See below DUP ✓ MS ✓ MSD ✓

Additional Comments: VOC 3 vials, LMA 3 vials, VPH - 3 vials, SVOC, PSVOC - 5 vials, PEST, EPH

Well Stabilization : is considered to be achieved when three consecutive readings, taken at 5 minute intervals are within the following limits: **DO +/- 0.3 mg/L; Spec. Cond. +/-3%; Temp. +/-3%; pH +/- 0.1 unit; ORP +/-10 mV; Addn'l Guidelines: Drawdown <= 0.33 feet; Pumping rates = 100 to 400 ml/min; Turbidity +/-10% or < 10 NTU.**

AMAI Well Purging and Low Flow Sampling Form

Well Number: S-30

Site Name, Location: BMS-Hamilton

Personnel: N. Rivera, N. Del Valle

Equipment Used: dedicated air/water line and & teflon bladder. Decontaminated pump

Date: June 7, 2016

Monitoring Well Information:

Diameter/Material: 2 / PVC
Depth to Bottom (ft from TOC): 20.63
Top of Screen (ft from TOC): 10.63
Bottom of Screen (ft from TOC): 20.63
Pump Intake Level (ft from TOC): ~15
Desired Pumping Rate (Lpm): 0.1-0.4

Well Purging Information:

Measured DTW (ft from TOC)/Time: 8.81 / 1108
Measured DTB (ft from TOC)/Time: (20.63) /
Headspace Reading (ppm):
Time @ Start Purging: 1145
Time @ Stop Purging: 1210
Time @ Stop Sampling: 1240
Purge Volume (gallons): 3

Time	DTW (ft TOC)	Temp (C)	S.Cond (µS/cm)	DO (mg/l)	pH	ORP (mV)	Turbidity (NTU)	Flow (mL/min)
1144	8.80	After installing	pump					
1145	Start							
1150	8.82	32.01	731	3.54	6.63	-55.7	16.4	200
1155	8.82	31.10	795	2.07	6.58	-45.0	5.41	200
1200	8.88	30.92	806	1.48	6.59	-58.9	4.59	400 ↓
1205	8.90	30.89	809	1.77	6.62	-65.2	2.85	350 ↓
1210	8.90	30.86	806	1.70	6.63	-66.0	3.44	250
			Ready	to sample				

Comments:

Sample Time: 1240 DUP ✓ MS ✓ MSD ✓ Water Quality/Appearance: clear

Sample Analysis: see below DUP ✓ MS ✓ MSD ✓

Additional Comments: VOC (3), VPH (3), LMA (3 vials), 1 SVOC, 1 SVOC SIM, 1 Pest., EPH
EB060716 @ 1017 of pump for this well

Well Stabilization : is considered to be achieved when three consecutive readings, taken at 5 minute intervals are within the following limits: **DO +/- 0.3 mg/L; Spec. Cond. +/-3%; Temp. +/-3%; pH +/- 0.1 unit; ORP +/-10 mV; Addn'l Guidelines: Drawdown <= 0.33 feet; Pumping rates = 100 to 400 ml/min; Turbidity +/-10% or < 10 NTU.**

AMAI Well Purging and Low Flow Sampling Form

Well Number: S-31R~~2~~

Site Name, Location: BMS- Humacao

Personnel: N. Rivera/

Equipment Used: dedicated bladder pump, tubing, cord.

Date: July 7, 2018

Monitoring Well Information:

Diameter/Material: 2 / PVC
Depth to Bottom (ft from TOC): 15.6
Top of Screen (ft from TOC): 5.6
Bottom of Screen (ft from TOC): 15.6
Pump Intake Level (ft from TOC): ~11
Desired Pumping Rate (Lpm): 0.1-0.4

Well Purging Information:

Measured DTW (ft from TOC)/Time: 7.43 / 1325
Measured DTB (ft from TOC)/Time: 15.6 /
Headspace Reading (ppm):
Time @ Start Purging: 1340
Time @ Stop Purging: 1422
Time @ Stop Sampling: 1412
Purge Volume (gallons): 3

Time	DTW (ft TOC)	Temp (C)	S.Cond (µS/cm)	DO (mg/l)	pH	ORP (mV)	Turbidity (NTU)	Flow (mL/min)
1340	START							
1342	7.63	34.59	701	0.12	6.44	-101.7	48.8	300
1347	7.63	34.22	688	0.03	6.41	-97.9	52.2	200
1352	7.63	34.06	689	0.01	6.39	-102.5	45.0	200
1357	7.63	33.89	708	0.01	6.35	-97.2	33.1	200
1402	7.63	33.79	737	0.02	6.33	-91.9	23.7	200
1407	7.63	33.69	765	0.01	6.32	-91.0	16.0	200
1412	7.63	33.59	782	0.00	6.31	-90.8	8.31	200
1417	7.63	33.56	790	0.01	6.32	-92.0	7.09	200
1422	7.63	33.44	795	0.01	6.32	-93.7	6.74	200
			READY TO SAMPLE					

Comments:

Sample Time: 1412 DUP ✓ MS ✓ MSD ✓ Water Quality/Appearance: clear

Sample Analysis: See Notes DUP ✓ MS ✓ MSD ✓

Additional Comments: VOC - 4 vials, LMA 3 vials, 3 vials VPH, 1 SVOC, 1 SVOC - SIM, 1 - Pest., EPH

Well Stabilization : is considered to be achieved when three consecutive readings, taken at 5 minute intervals are within the following limits: **DO +/- 0.3 mg/L; Spec. Cond. +/-3%; Temp. +/-3%; pH +/- 0.1 unit; ORP +/-10 mV; Addn'l Guidelines: Drawdown <= 0.33 feet; Pumping rates = 100 to 400 ml/min; Turbidity +/-10% or < 10 NTU.**

AMAI Well Purging and Low Flow Sampling Form

Well Number: S-32

Site Name, Location: BMS-Hermacco

Personnel: N. Fivma

Equipment Used: dedicated pump, bladder, tubing, cord.

Date: June 13, 2017

Monitoring Well Information:

Diameter/Material: 2 / PVC
Depth to Bottom (ft from TOC): 21.6
Top of Screen (ft from TOC): 11.6
Bottom of Screen (ft from TOC): 21.6
Pump Intake Level (ft from TOC): ~18
Desired Pumping Rate (Lpm): 0.1-0.4

Well Purging Information:

Measured DTW (ft from TOC)/Time: 13.59 / 1702
Measured DTB (ft from TOC)/Time: (21.6) / ____
Headspace Reading (ppm): ____
Time @ Start Purging: 1703
Time @ Stop Purging: 17.26
Time @ Stop Sampling: 18.08
Purge Volume (gallons): 2.5

Time	DTW (ft TOC)	Temp (C)	S.Cond (µS/cm)	DO (mg/l)	pH	ORP (mV)	Turbidity (NTU)	Flow (mL/min)
1703	Start.							
1706	14.14	31.40	886	0.91	6.45	-76.1	8.12	400 +
1711	13.98	31.36	877	0.31	6.43	-84.1	7.13	200
1716	14.03	31.32	880	0.17	6.43	-88.8	6.30	350 +
1721	14.08	31.32	882	0.13	6.43	-91.2	5.78	300
1726	14.08	31.30	883	0.11	6.45	-94.1	6.28	350
			Ready to sample					

Comments:
Sample Time: 1808 DUP / MS / MSD / Water Quality/Appearance: clear w/ sheen
Sample Analysis: See below DUP / MS / MSD /

Additional Comments: ____

Well Stabilization : is considered to be achieved when three consecutive readings, taken at 5 minute intervals are within the following limits: **DO +/- 0.3 mg/L; Spec. Cond. +/-3%; Temp. +/-3%; pH +/- 0.1 unit; ORP +/-10 mV; Addn'l Guidelines: Drawdown <= 0.33 feet; Pumping rates = 100 to 400 ml/min; Turbidity +/-10% or < 10 NTU.**

AMAI Well Purging and Low Flow Sampling Form

Well Number: S33

Site Name, Location: BMS, Humacao

Personnel: del Valle / Stuart

Equipment Used: YSI, dedicated pump, bladder, tubing, cord

Date: June 13 2016

Monitoring Well Information:

Diameter/Material: 2" PVC

Depth to Bottom (ft from TOC): 20.1

Top of Screen (ft from TOC): 10.1

Bottom of Screen (ft from TOC): 20.1

Pump Intake Level (ft from TOC): ~15

Desired Pumping Rate (Lpm): 0.1-0.4

Well Purging Information:

Measured DTW (ft from TOC)/Time: 15.38 / 1105

Measured DTB (ft from TOC)/Time: (20.1) /

Headspace Reading (ppm):

Time @ Start Purging: 1125

Time @ Stop Purging: 1205

Time @ Stop Sampling: 1225

Purge Volume (gallons): 2.5

Time	DTW (ft TOC)	Temp (C)	S.Cond (µS/cm)	DO (mg/l)	pH	ORP (mV)	Turbidity (NTU)	Flow (mL/min)
1125	15.38			START				
1140	15.30	30.48	0.869	0.41	6.42	-55.4	6.37	100.0
1145	15.35	29.90	0.843	0.15	6.46	-58.0	7.25	100.0
1150	15.38	29.35	0.829	0.12	6.46	-62.4	5.28	175.0
1155	15.38	29.15	0.823	0.10	6.44	-63.6	4.79	300
1200	15.42	29.09	0.822	0.07	6.44	-66.3	3.83	350
1205	15.39	29.04	0.822	0.06	6.46	-68.7	2.42	400
			Ready to sample.					

Comments:

Sample Time: 1225 DUP ✓ MS ✓ MSD ✓ Water Quality/Appearance: Clear

Sample Analysis: DUP ✓ MS ✓ MSD ✓

Additional Comments:

Well Stabilization : is considered to be achieved when three consecutive readings, taken at 5 minute intervals are within the following limits: **DO +/- 0.3 mg/L; Spec. Cond. +/-3%; Temp. +/-3%; pH +/- 0.1 unit; ORP +/-10 mV; Addn'l Guidelines: Drawdown <= 0.33 feet; Pumping rates = 100 to 400 ml/min; Turbidity +/-10% or < 10 NTU.**

AMAI Well Purging and Low Flow Sampling Form

Well Number: S-34

Site Name, Location: BMS - Hillmacsso

Personnel: N. Rivers / J Del Valle

Equipment Used: dedicated pump, tubing, cord & ladder

Date: June 13, 2016

Monitoring Well Information:

Diameter/Material: 2 / PVC
Depth to Bottom (ft from TOC): 21.2
Top of Screen (ft from TOC): 11.2
Bottom of Screen (ft from TOC): 21.2
Pump Intake Level (ft from TOC): 19
Desired Pumping Rate (Lpm): 0.1-0.4

Well Purging Information:

Measured DTW (ft from TOC)/Time: 17.05 / 1133
Measured DTB (ft from TOC)/Time: (21.2) /
Headspace Reading (ppm):
Time @ Start Purging: 1155
Time @ Stop Purging: ~~1224~~
Time @ Stop Sampling: ~~1224~~ 1305
Purge Volume (gallons): 2

Time	DTW (ft TOC)	Temp (C)	S.Cond (µS/cm)	DO (mg/l)	pH	ORP (mV)	Turbidity (NTU)	Flow (mL/min)
1155	start							
1204	18.36	28.89	878	0.58	6.67	-42.0	5.6	225
1209	19.02	28.07	848	0.51	6.48	-40.1	-0.1	250
1214	19.23	27.94	846	0.48	6.37	-35.1	-0.9	200
1219	19.34	28.05	845	0.42	6.43	-41.2	-0.7	200
1224	19.42	28.13	846	0.36	6.46	-43.9	-0.5	200
			Ready to sample					

Comments:
Sample Time: 1305 DUP ✓ MS ✓ MSD ✓ Water Quality/Appearance: clear
Sample Analysis: DUP ✓ MS ✓ MSD ✓

Additional Comments:

Well Stabilization : is considered to be achieved when three consecutive readings, taken at 5 minute intervals are within the following limits: **DO +/- 0.3 mg/L; Spec. Cond. +/-3%; Temp. +/-3%; pH +/- 0.1 unit; ORP +/-10 mV; Addn'l Guidelines: Drawdown <= 0.33 feet; Pumping rates = 100 to 400 ml/min; Turbidity +/-10% or < 10 NTU.**

AMAI Well Purging and Low Flow Sampling Form

Well Number: S-35

Site Name, Location: BMS - Humacao

Personnel: N. Rivera / J. Del Valle

Equipment Used: dedicated bladder, tubing, pump, cord

Date: June 13, 2012

Monitoring Well Information:

Diameter/Material: 2 / PVC
Depth to Bottom (ft from TOC): 18
Top of Screen (ft from TOC): 8
Bottom of Screen (ft from TOC): 18
Pump Intake Level (ft from TOC): ~16
Desired Pumping Rate (Lpm): 0.1-0.4

Well Purging Information:

Measured DTW (ft from TOC)/Time: 13.68 / 1353
Measured DTB (ft from TOC)/Time: (18) /
Headspace Reading (ppm):
Time @ Start Purging: 1420
Time @ Stop Purging: 1500
Time @ Stop Sampling: 1526
Purge Volume (gallons): 1.5

Time	DTW (ft TOC)	Temp (C)	S.Cond (µS/cm)	DO (mg/l)	pH	ORP (mV)	Turbidity (NTU)	Flow (mL/min)
1405	START							
1414	Stop - Both top/bottom valves are closed loose them							
1420	START							
1435	14.12	29.43	878	0.62	6.97	-95.3	8.9	150
1440	14.22	28.87	856	0.68	6.90	-89.8	9.4	150
1445	1444	28.64	850	0.87	6.70	-64.4	15.2	150
1450	1448	28.37	848	1.09	6.90	-79.1	9.1	100
1455	1446	28.31	844	1.18	6.83	-73.2	7.8	100
1500	1448	28.27	847	1.29	6.87	-74.8	5.1	100
			READY TO SAMPLE					

Comments:
Sample Time: 1526 DUP ✓ MS ✓ MSD ✓ Water Quality/Appearance: Clear w/ white flakes
Sample Analysis: See Note DUP ✓ MS ✓ MSD ✓

Additional Comments: VOC's (4)

Well Stabilization : is considered to be achieved when three consecutive readings, taken at 5 minute intervals are within the following limits: **DO +/- 0.3 mg/L; Spec. Cond. +/-3%; Temp. +/-3%; pH +/- 0.1 unit; ORP +/-10 mV; Addn'l Guidelines: Drawdown <= 0.33 feet; Pumping rates = 100 to 400 ml/min; Turbidity +/-10% or < 10 NTU.**

AMAI Well Purging and Low Flow Sampling Form

Well Number: 5 36

Site Name, Location: BMS- Humacao

Personnel: Del Valle / Stuart

Equipment Used: dedicated pump, bladder, tubing, cord

Date: June 13, 2016

Monitoring Well Information:

Diameter/Material: 2 / PVC
Depth to Bottom (ft from TOC): 19.5
Top of Screen (ft from TOC): 9.5
Bottom of Screen (ft from TOC): 19.5
Pump Intake Level (ft from TOC): ~17
Desired Pumping Rate (Lpm): 0.1-0.4

Well Purging Information:

Measured DTW (ft from TOC)/Time: 15.32 / 1531
Measured DTB (ft from TOC)/Time: (19.5) /
Headspace Reading (ppm):
Time @ Start Purging: 1535
Time @ Stop Purging: 1610
Time @ Stop Sampling: 1708
Purge Volume (gallons):

Time	DTW (ft TOC)	Temp (C)	S.Cond (µS/cm)	DO (mg/l)	pH	ORP (mV)	Turbidity (NTU)	Flow (mL/min)
1535	15.32	30.6	1330	0.47	6.69	-6.4	2.86	200
1540 ~~16.71~~	16.71	30.1	1344	0.38	6.66	-6.8	~~3.01~~ 2.61	300
1545	18.02	29.98	1352	0.31	6.65	-7.1	2.42	300 ↓
1550	18.00	30.16	1.279	0.19	6.65	-3.9	2.54	125.1
1555	18.38	29.79	1.340	0.86	6.67	-7.5	2.24	125
1600	18.38	29.79	1.340	0.76	6.68	-8.4	1.97	125
1605	18.38	29.80	1.341	0.68	6.67	-8.2	1.34	125
1616	18.38	29.80	1.339	0.71	6.68	8.0	1.20	125
		Ready to sample						

Comments:
Sample Time: 1655 DUP 1708 MS / MSD / Water Quality/Appearance: clear
Sample Analysis: DUP MS / MSD /

Additional Comments:

Well Stabilization : is considered to be achieved when three consecutive readings, taken at 5 minute intervals are within the following limits: **DO +/- 0.3 mg/L; Spec. Cond. +/-3%; Temp. +/-3%; pH +/- 0.1 unit; ORP +/-10 mV; Addn'l Guidelines: Drawdown <= 0.33 feet; Pumping rates = 100 to 400 ml/min; Turbidity +/-10% or < 10 NTU.**

AMAI Well Purging and Low Flow Sampling Form

Well Number: S 37

Site Name, Location: BMS Humacao

Personnel: Del Valle / Stuart

Equipment Used: YSI dedicated bladder, pump, tubing, cord

Date: June 13 2016.

Monitoring Well Information:

Diameter/Material: 2, PVC

Depth to Bottom (ft from TOC): 31.7

Top of Screen (ft from TOC): 21.7

Bottom of Screen (ft from TOC): 31.7

Pump Intake Level (ft from TOC): ~26

Desired Pumping Rate (Lpm): 0.1-0.4

Well Purging Information:

Measured DTW (ft from TOC)/Time: 21.02 / 1341

Measured DTB (ft from TOC)/Time: (31.7) /

Headspace Reading (ppm):

Time @ Start Purging: 1352

Time @ Stop Purging: 1433

Time @ Stop Sampling: 1500

Purge Volume (gallons): 1.75

Time	DTW (ft TOC)	Temp (C)	S.Cond (µS/cm)	DO (mg/l)	pH	ORP (mV)	Turbidity (NTU)	Flow (mL/min)
1352	21.02	—	—	START		—	—	—
1358	21.17	29.42	0.926	6.34	7.50	63.2	3.28	125.0
1403	21.17	29.23	0.931	3.18	7.21	0.0	2.48	125.0
1408	21.17	29.14	0.932	2.29	7.12	-33.1	2.22	125.0
1413	21.17	29.09	0.932	1.93	7.10	-44.0	1.51	125.0
1418	21.17	29.02	0.931	1.68	7.09	-49.4	2.72	125.0
1423	21.17	28.94	0.931	1.45	7.09	-52.6	2.67	125.0
1428	21.17	28.94	0.931	1.31	7.10	-56.1	3.15	125.0
1433	21.17	28.92	0.930	1.20	7.11	-58.8	1.70	125.0
			Ready to sample					

Comments:

Sample Time: 1500 DUP / MS / MSD /

Water Quality/Appearance: Clear

Sample Analysis: DUP / MS / MSD /

Additional Comments:

Well Stabilization : is considered to be achieved when three consecutive readings, taken at 5 minute intervals are within the following limits: **DO +/- 0.3 mg/L; Spec. Cond. +/-3%; Temp. +/-3%; pH +/- 0.1 unit; ORP +/-10 mV; Addn'l Guidelines: Drawdown <= 0.33 feet; Pumping rates = 100 to 400 ml/min; Turbidity +/-10% or < 10 NTU.**

AMAI Well Purging and Low Flow Sampling Form

Well Number: S-38

Site Name, Location: BMS. Humacao

Personnel: N. Rivera / J. Del Valle

Equipment Used: dedicated bladder, tubing, cor d

Date: June 9, 2016

Monitoring Well Information:

Diameter/Material: 2 / PVC
Depth to Bottom (ft from TOC): 14
Top of Screen (ft from TOC): 4
Bottom of Screen (ft from TOC): 14
Pump Intake Level (ft from TOC): ~10
Desired Pumping Rate (Lpm): 0.1-0.4

Well Purging Information:

Measured DTW (ft from TOC)/Time: 5.48 / 1335
Measured DTB (ft from TOC)/Time: (14) /
Headspace Reading (ppm):
Time @ Start Purging: 1345
Time @ Stop Purging: 1426
Time @ Stop Sampling: 1446
Purge Volume (gallons): ~~3.5~~ 2.5 .m2

Time	DTW (ft TOC)	Temp (C)	S.Cond (µS/cm)	DO (mg/l)	pH	ORP (mV)	Turbidity (NTU)	Flow (mL/min)
1345	START							
1346	5.60	30.47	524	1.88	6.62	40.7	42.2	100
1351	5.63	30.38	520	0.63	6.55	33.0	33.2	100
1356	5.66	29.97	516	0.29	6.55	29.0	22.2	250↓
1401	5.61	29.93	515	0.18	6.55	25.4	18.1	100
1406	5.61	30.11	516	0.19	6.55	22.1	13.3	125
1411	5.63	30.06	516	0.16	6.55	20.4	11.0	175
1416	5.65	29.80	518	0.13	6.55	15.8	8.80	250↓
1421	5.65	29.75	519	0.10	6.55	13.0	8.48	250↓
1426	5.65	29.75	519	0.12	6.56	12.1	6.40	200
			READY	to sample				

Comments:
Sample Time: 1446 DUP / MS / MSD / Water Quality/Appearance: clear
Sample Analysis: see below DUP MS / MSD

Additional Comments:

Well Stabilization : is considered to be achieved when three consecutive readings, taken at 5 minute intervals are within the following limits: **DO +/- 0.3 mg/L; Spec. Cond. +/-3%; Temp. +/-3%; pH +/- 0.1 unit; ORP +/-10 mV; Addn'l Guidelines: Drawdown <= 0.33 feet; Pumping rates = 100 to 400 ml/min; Turbidity +/-10% or < 10 NTU.**

AMAI Well Purging and Low Flow Sampling Form

Well Number: UP-1

Site Name, Location: BMS - Humacao

Personnel: N. Rivera / J. Del Valle

Equipment Used: dedicated pump, hosing, cord

Date: June 6, 2016

Monitoring Well Information:

Diameter/Material: 2, PVC
Depth to Bottom (ft from TOC): 14
Top of Screen (ft from TOC): 4
Bottom of Screen (ft from TOC): 14
Pump Intake Level (ft from TOC): 9
Desired Pumping Rate (Lpm): 0.1, 0.4

Well Purging Information:

Measured DTW (ft from TOC)/Time: 3.18 / 1442
Measured DTB (ft from TOC)/Time: (14) /
Headspace Reading (ppm):
Time @ Start Purging: 1443
Time @ Stop Purging: 1504
Time @ Stop Sampling: 1542
Purge Volume (gallons): 2.25

Time	DTW (ft TOC)	Temp (C)	S.Cond (µS/cm)	DO (mg/l)	pH	ORP (mV)	Turbidity (NTU)	Flow (mL/min)
1443	Start							
1444	3.18	32.31	464	2.42	6.83	-107.6	7.83	250 ↓
1449	3.18	32.11	452	0.23	6.76	-119.9	5.78	250
1454	3.18	32.03	449	0.21	6.73	-123.5	3.95	250
1459	3.18	32.01	449	0.10	6.72	-125.9	3.54	250
1504	3.18	31.97	452	0.07	6.70	-125.4	3.49	250
			Ready to Sample					

Comments:
Sample Time: 1542 DUP ✓ MS ✓ MSD ✓ Water Quality/Appearance: clear
Sample Analysis: see note DUP ✓ MS ✓ MSD ✓

Additional Comments: 3 vials VOC, 3 vials LMA, 3 vials VPH, 1 8oz, 1 SVOC-SIM, EPH Pushed

Well Stabilization : is considered to be achieved when three consecutive readings, taken at 5 minute intervals are within the following limits: **DO +/- 0.3 mg/L; Spec. Cond. +/-3%; Temp. +/-3%; pH +/- 0.1 unit; ORP +/-10 mV; Addn'l Guidelines: Drawdown <= 0.33 feet; Pumping rates = 100 to 400 ml/min; Turbidity +/-10% or < 10 NTU.**

AMAI Well Purging and Low Flow Sampling Form

Well Number: UP-2

Site Name, Location: BMJ, Humacao

Personnel: N. Rivera / J. Del Valle

Equipment Used: dedicated bladder, tubing, cord

Date: June 6, 2016

Monitoring Well Information:

Diameter/Material: 2 / PVC
Depth to Bottom (ft from TOC): 14
Top of Screen (ft from TOC): 4
Bottom of Screen (ft from TOC): 14
Pump Intake Level (ft from TOC): or 9
Desired Pumping Rate (Lpm): 0.1-0.4

Well Purging Information:

Measured DTW (ft from TOC)/Time: 6.90 / 1150
Measured DTB (ft from TOC)/Time: 14 / ____
Headspace Reading (ppm): 1
Time @ Start Purging: 1200
Time @ Stop Purging: 1227
Time @ Stop Sampling: 1249
Purge Volume (gallons): 2.25

Time	DTW (ft TOC)	Temp (C)	S.Cond (µS/cm)	DO (mg/l)	pH	ORP (mV)	Turbidity (NTU)	Flow (~~ml/min~~)
1152	Start							
1156	Stop. Need to loose bottom ball valve							
1200	6.83	Start	after installing pump					
1202	6.98	30.29	1138	1.76	6.74	-65.9	89	275 ↓
1207	7.02	30.11	1043	0.55	6.78	-89.6	52.7	150
1212	7.05	29.63	1004	0.19	6.84	-109.9	26.3	300 ↓
1217	6.95	29.60	998	0.12	6.85	-113.7	7.66	150
1222	6.95	29.68	995	0.10	6.88	-119.6	7.58	200
1227	6.95	29.66	996	0.09	6.90	-112.5	7.15	200
			Ready to Sample					

Comments:
Sample Time: 1249 DUP ____ MS ____ MSD ____ Water Quality/Appearance: clear
Sample Analysis: See Note DUP ____ MS ____ MSD ____

Additional Comments: 3 VOC vials, 3 vials, LMA, 3 vials VPH, 1 SVOC, 1 SVOC-SIM, 2 EPH, Pesticides

Well Stabilization : is considered to be achieved when three consecutive readings, taken at 5 minute intervals are within the following limits: DO +/- 0.3 mg/L; Spec. Cond. +/-3%; Temp. +/-3%; pH +/- 0.1 unit; ORP +/-10 mV; Addn'l Guidelines: Drawdown <= 0.33 feet; Pumping rates = 100 to 400 ml/min; Turbidity +/-10% or < 10 NTU.

Instrument Calibration Log

Site Name, Location: BMS
Instrument Model: YSI 556 MPS

Personnel: N. Rivera / R. Stuart
Instrument Serial #: 05J366
(7367-PINE S/N)

Day #: 1 Date: June 3, 2016 Time: 9:55

DO

DO Reading (mg/L) / Temp (°C)	Stabilization Range (+/- 0.02) mg/l)	Comments
7.39 / 30		760.0 mm mercury 100.2%

pH

Calibration Solutions	Lot # / Expiration Date	Stabilization Range (+/- 0.2 units)	Comments
4.0 Standard	6GA048 / 1/31/18		4.00
7.0 Standard	6GA544 / 1/31/18		7.00

Specific Conductivity

Calibration Standard (µS/cm)	Lot # / Expiration Date	Stabilization Range (+/- 0.02 µS/cm)	Comments
1.413	12105 / 3/18/17		1.413

Turbidity La Motte 2020 we S/N 3460-2313

Calibration Solution	Lot # / Expiration Date	Stabilization Range (1 NTU)	Comments
0 Standard 0.0	DI Water		0.00
Standard 100.0	A4174 / Jun 16		99.0

ORP

Calibration Standard (mV)	Lot # / Expiration Date	Stabilization Range (+/- 20 mV)	Comments
240.0	8752 / 4/3/20		240.0

Day #: 2 Date: June 6, 2016 Time: 945

DO

DO Reading (mg/L) / Temp (°C)	Stabilization Range (+/- 0.02) mg/l)	Comments
7.41 mg / 31		760 mm Hg 100.0%

pH

Calibration Solutions	Lot # / Expiration Date	Stabilization Range (+/- 0.2 units)	Comments
4.0 Standard	6GA048 / 1/31/18	4.00	
7.0 Standard	6GA544 / 1/31/18	7.00	

Specific Conductivity

Calibration Standard (µS/cm)	Lot # / Expiration Date	Stabilization Range (+/- 0.02 µS/cm)	Comments
1413		1413	

Turbidity La Motte 2020 we S/N 3460-2313

Calibration Solution	Lot # / Expiration Date	Stabilization Range (1 NTU)	Comments
0 Standard	DI water	0.00	
100 Standard	A4174 / 6/2016	99	

ORP

Calibration Standard (mV)	Lot # / Expiration Date	Stabilization Range (+/- 20 mV)	Comments
240	8752 / 4/3/2020	240	

Day #: 3 Date: June 7, 2016 Time: _____

DO

DO Reading (mg/L) / Temp (°C)	Stabilization Range (+/- 0.02) mg/l)	Comments
7.40 / 31		760 mm 100.1%

pH

Calibration Solutions	Lot # / Expiration Date	Stabilization Range (+/- 0.2 units)	Comments
4.0 Standard	6GA048 / 1/31/18	4.00	
7.0 Standard	6GA544 / 1/31/18	7.00	

Specific Conductivity

Calibration Standard (µS/cm)	Lot # / Expiration Date	Stabilization Range (+/- 0.02 µS/cm)	Comments
1413		1413	

Turbidity La Motte 2020 we 3460-2313

Calibration Solution	Lot # / Expiration Date	Stabilization Range (1 NTU)	Comments
0 Standard	DI water	0.03	
100 Standard	A4174 / 6/2016	99.7	

ORP

Calibration Standard (mV)	Lot # / Expiration Date	Stabilization Range (+/- 20 mV)	Comments
240	8752 / 4/3/2020	240	

Instrument Calibration Log

Site Name, Location: BMS- Humacao
Instrument Model: YSI 556 MPS

Personnel: José DelValle
Instrument Serial #: 05513 46

Day #: 4 Date: 6-08-16 Time: 7:30

7367 (PINE S/P)

DO

DO Reading (mg/L) / Temp (°C)	Stabilization Range (+/- 0.02) mg/l)	Comments
7.42 / 31		766 mm 100%

pH

Calibration Solutions	Lot # / Expiration Date	Stabilization Range (+/- 0.2 units)	Comments
4.0 Standard	6GA048 1-31-18	4.0	4.0
7.0 Standard	6GA544 1-31-18	7.0	7.0

Specific Conductivity

Calibration Standard (µS/cm)	Lot # / Expiration Date	Stabilization Range (+/- 0.02 µS/cm)	Comments
1.413	12105 3-18-17		1.413

Turbidity La Motte 2020wc S/N 3460-2313

Calibration Solution	Lot # / Expiration Date	Stabilization Range (1 NTU)	Comments
0 Standard 0.0	DI water		0.00
Standard 100	A4174/6/2016		99.6

ORP

Calibration Standard (mV)	Lot # / Expiration Date	Stabilization Range (+/- 20 mV)	Comments
240.0	8752 4-30-20		240.0

Day #: _____ Date: _____ Time: _____

DO

DO Reading (mg/L) / Temp (°C)	Stabilization Range (+/- 0.02) mg/l)	Comments

pH

Calibration Solutions	Lot # / Expiration Date	Stabilization Range (+/- 0.2 units)	Comments
4.0 Standard			
7.0 Standard			

Specific Conductivity

Calibration Standard (µS/cm)	Lot # / Expiration Date	Stabilization Range (+/- 0.02 µS/cm)	Comments

Turbidity

Calibration Solution	Lot # / Expiration Date	Stabilization Range (1 NTU)	Comments
0 Standard 0.0			
Standard			

ORP

Calibration Standard (mV)	Lot # / Expiration Date	Stabilization Range (+/- 20 mV)	Comments

Day #: _____ Date: _____ Time: _____

DO

DO Reading (mg/L) / Temp (°C)	Stabilization Range (+/- 0.02) mg/l)	Comments

pH

Calibration Solutions	Lot # / Expiration Date	Stabilization Range (+/- 0.2 units)	Comments
4.0 Standard			
7.0 Standard			

Specific Conductivity

Calibration Standard (µS/cm)	Lot # / Expiration Date	Stabilization Range (+/- 0.02 µS/cm)	Comments

Turbidity

Calibration Solution	Lot # / Expiration Date	Stabilization Range (1 NTU)	Comments
0 Standard			
Standard			

ORP

Calibration Standard (mV)	Lot # / Expiration Date	Stabilization Range (+/- 20 mV)	Comments

Instrument Calibration Log

Site Name, Location: BMJ -
Instrument Model: YSI 556 MPS

Personnel: José DeLUALLE
Instrument Serial #: 05J1366
7367 (PIPE S/N)

Day #: _____ Date: 6-09-16 Time: 0740

DO

DO Reading (mg/L) / Temp (°C)	Stabilization Range (+/- 0.02) mg/l)	Comments
~~760.0 m~~		9.42 mg/L / 3.2

pH

Calibration Solutions	Lot # / Expiration Date	Stabilization Range (+/- 0.2 units)	Comments
4.0 Standard	6GA048 1-31-18	4.0	4.00
7.0 Standard	6GA544 1-31-2018	7.0	7.00

Specific Conductivity

Calibration Standard (µS/cm)	Lot # / Expiration Date	Stabilization Range (+/- 0.02 µS/cm)	Comments
1.413	12105 3-18-17	1.413	

Turbidity La Motte 2020 WL S/N 3460-2313

Calibration Solution	Lot # / Expiration Date	Stabilization Range (1 NTU)	Comments
0 Standard	DI water	0.0	
100 Standard	A4174 / 6/2016	100.1	

ORP

Calibration Standard (mV)	Lot # / Expiration Date	Stabilization Range (+/- 20 mV)	Comments
240.0	#8752 4-30-2020	240.0	

Day #: _____ Date: 6/10/16 Time: 0930

DO

DO Reading (mg/L) / Temp (°C)	Stabilization Range (+/- 0.02) mg/l)	Comments
~~760.0 mmHg~~ 9.00 / 31		760.0 mmHg

100%

pH WL

Calibration Solutions	Lot # / Expiration Date	Stabilization Range (+/- 0.2 units)	Comments
4.0 Standard	6GA048 / 1/31/18		4.00
7.0 Standard	6GA544 / 1/31/18		7.00

Specific Conductivity

Calibration Standard (µS/cm)	Lot # / Expiration Date	Stabilization Range (+/- 0.02 µS/cm)	Comments
1.413	12105 / 3/18/17		1.413

Turbidity La Motte 2020 WL S/N 3460-2313

Calibration Solution	Lot # / Expiration Date	Stabilization Range (1 NTU)	Comments
0 Standard	DI water	-0.04	
100 Standard	100.0 NTU	100.0	A4174 / 6/2016

ORP

Calibration Standard (mV)	Lot # / Expiration Date	Stabilization Range (+/- 20 mV)	Comments
240.0	8752 / 4/30/20		240.1

Day #: _____ Date: 6/13/16 Time: 0915

DO

DO Reading (mg/L) / Temp (°C)	Stabilization Range (+/- 0.02) mg/l)	Comments
RS ~~9.01~~ 7.49 / 31		760.0 mm Hg

100%

pH

Calibration Solutions	Lot # / Expiration Date	Stabilization Range (+/- 0.2 units)	Comments
4.0 Standard	6GA048 / 1/31/18	4.0	4.00
7.0 Standard	6GA544 / 1/31/18	7.0	7.01

Specific Conductivity

Calibration Standard (µS/cm)	Lot # / Expiration Date	Stabilization Range (+/- 0.02 µS/cm)	Comments
1.413	12105 / 3/18/17	1.413	1.413

Turbidity La Motte 2020 WL S/N 3460-2313

Calibration Solution	Lot # / Expiration Date	Stabilization Range (1 NTU)	Comments
0 Standard	DI WATER	0.02	
100 Standard	A4174 / 6/2016	100.0	

ORP

Calibration Standard (mV)	Lot # / Expiration Date	Stabilization Range (+/- 20 mV)	Comments
240.0	8752 / 4/30/20	240	240.0

Instrument Calibration Log

Site Name, Location: BMS. Hermosa
Personnel: N. Rivera
Instrument Model: YSI 6920 V2
Instrument Serial #: 04G11895 AK
6400 - PIDC

Day #: ____ Date: June 13, 2016 Time: 945

DO

DO Reading (mg/L) / Temp (°C)	Stabilization Range (+/- 0.02) mg/l)	Comments
7.46 / 31		765.8 mmHg 100.7 %

pH

Calibration Solutions	Lot # / Expiration Date	Stabilization Range (+/- 0.2 units)	Comments
4.0 Standard	~~6GA544 / 1/31/18~~ 6GA048	7.0	
7.0 Standard	6GA544 1/31/18		

Specific Conductivity

Calibration Standard (µS/cm)	Lot # / Expiration Date	Stabilization Range (+/- 0.02 µS/cm)	Comments
1413	6GA048 / 1/31/18		

Turbidity

Calibration Solution	Lot # / Expiration Date	Stabilization Range (1 NTU)	Comments
0 Standard			
Standard			

ORP

Calibration Standard (mV)	Lot # / Expiration Date	Stabilization Range (+/- 20 mV)	Comments

Day #: ____ Date: June 13, 2016 Time: 945

DO

DO Reading (mg/L) / Temp (°C)	Stabilization Range (+/- 0.02) mg/l)	Comments
7.46 / 31		765 mmHg 100.0 %

pH

Calibration Solutions	Lot # / Expiration Date	Stabilization Range (+/- 0.2 units)	Comments
4.0 Standard	6GA048 / 1/31/18	7.0	
7.0 Standard	6GA544	4.0	

Specific Conductivity

Calibration Standard (µS/cm)	Lot # / Expiration Date	Stabilization Range (+/- 0.02 µS/cm)	Comments
1413	~~6GA~~ 12105 / 3/18/17	1413	

Turbidity ~~10 Mille 2020 WL S/N 3460 - 2373 MR~~

Calibration Solution	Lot # / Expiration Date	Stabilization Range (1 NTU)	Comments
0 Standard	C585316 / 2/28/2017	0.0	
126 Standard	C582447 / 8/31/2016	126	

ORP

Calibration Standard (mV)	Lot # / Expiration Date	Stabilization Range (+/- 20 mV)	Comments
240	~~C585316 / 2/28/17~~	240	

LOT 9099 / 7/31/2020

Day #: ____ Date: June 14, 2016 Time: 840

DO

DO Reading (mg/L) / Temp (°C)	Stabilization Range (+/- 0.02) mg/l)	Comments
7.59 / 31		766.3 mmHg 100.7 %

pH

Calibration Solutions	Lot # / Expiration Date	Stabilization Range (+/- 0.2 units)	Comments
4.0 Standard	6GA048 / 1/31/18		4.0
7.0 Standard	6GA544 / 1/31/18		7.0

Specific Conductivity

Calibration Standard (µS/cm)	Lot # / Expiration Date	Stabilization Range (+/- 0.02 µS/cm)	Comments
1.413	6GC013 / 3/31/17		1.413

Turbidity

Calibration Solution	Lot # / Expiration Date	Stabilization Range (1 NTU)	Comments
0 Standard	C585316 / 2/28/17		0.0
126 Standard	C582447 / 8/31/16		126.0

ORP

Calibration Standard (mV)	Lot # / Expiration Date	Stabilization Range (+/- 20 mV)	Comments
240	9099 / 7/31/20		240

Instrument Calibration Log

Site Name, Location: BMS
Instrument Model: YSI 556 MPS
Personnel: N. Rivera
Instrument Serial #: 05J1366 (7367 pine)

Day #: ____ Date: June 14, 2016 Time: 835

DO

DO Reading (mg/L) / Temp (°C)	Stabilization Range (+/- 0.02) mg/l)	Comments
7.31 / 31		760 mmHg 100.0

pH

Calibration Solutions	Lot # / Expiration Date	Stabilization Range (+/- 0.2 units)	Comments
4.0 Standard	6GA048/1/31/18	4.0	
7.0 Standard	6GA544/1/31/18	7.0	

Specific Conductivity

Calibration Standard (µS/cm)	Lot # / Expiration Date	Stabilization Range (+/- 0.02 µS/cm)	Comments
1413	12105/3/18/17	1413	

Turbidity La Motte 2020 WL S/N 3460-2313

Calibration Solution	Lot # / Expiration Date	Stabilization Range (1 NTU)	Comments
0 Standard	DI WATER		0.0
100 Standard	A4174/6/2016		10.1

ORP

Calibration Standard (mV)	Lot # / Expiration Date	Stabilization Range (+/- 20 mV)	Comments
240	8752/4/30/20	240	

Day #: ____ Date: June 15, 2016 Time: 840

DO

DO Reading (mg/L) / Temp (°C)	Stabilization Range (+/- 0.02) mg/l)	Comments
7.27 / 31		760 mmHg 100.0%

pH

Calibration Solutions	Lot # / Expiration Date	Stabilization Range (+/- 0.2 units)	Comments
4.0 Standard	6GA048/1/31/2018	4.00	
7.0 Standard	6GA544/1/31/2018	7.00	

Specific Conductivity

Calibration Standard (µS/cm)	Lot # / Expiration Date	Stabilization Range (+/- 0.02 µS/cm)	Comments
1413	12105/3/18/17	1413	

Turbidity La Motte 2020 WL S/N 3460-2313

Calibration Solution	Lot # / Expiration Date	Stabilization Range (1 NTU)	Comments
0 Standard	DI WATER	0.2	
100 Standard	A4174/6/2016	99	

ORP

Calibration Standard (mV)	Lot # / Expiration Date	Stabilization Range (+/- 20 mV)	Comments
240	8752/4/30/2020	240.0	

Day #: ____ Date: June 16, 2016 Time: 0935

DO

DO Reading (mg/L) / Temp (°C)	Stabilization Range (+/- 0.02) mg/l)	Comments
9.01/32 760mmHg		90 100%

pH

Calibration Solutions	Lot # / Expiration Date	Stabilization Range (+/- 0.2 units)	Comments
4.0 Standard	6GA048/1/31/18		4.00
7.0 Standard	6GA544/1/31/18		7.00

Specific Conductivity

Calibration Standard (µS/cm)	Lot # / Expiration Date	Stabilization Range (+/- 0.02 µS/cm)	Comments
1.413	12105/3/18/17		1.413

Turbidity La Motte 2020 WL S/N 3460-2313

Calibration Solution	Lot # / Expiration Date	Stabilization Range (1 NTU)	Comments
0 Standard	DI Water	0.3	
100 Standard	A4174/6/2016	99.7	

ORP

Calibration Standard (mV)	Lot # / Expiration Date	Stabilization Range (+/- 20 mV)	Comments
240.0	8752/4/30/20		240.0

Instrument Calibration Log

Site Name, Location: BMS - Humacao
Instrument Model: YSI 6920 V2
YSI 650 - MDS
Day #: _____ Date: June 15, 17 Time: _____

Personnel: N. Rivera / R. Stewart
Instrument Serial #: 04G11895
(6400 - PINE)

DO

DO Reading (mg/L) / Temp (°C)	Stabilization Range (+/- 0.02) mg/l)	Comments
8.01 / 31		102.3%

pH

Calibration Solutions	Lot # / Expiration Date	Stabilization Range (+/- 0.2 units)	Comments
4.0 Standard	6GA048/1/31/18	4.0	
7.0 Standard	6GA544/1/31/18	7.0	

Specific Conductivity

Calibration Standard (µS/cm)	Lot # / Expiration Date	Stabilization Range (+/- 0.02 µS/cm)	Comments
1413	~~6GA048~~ 12105/3/18/17	1413	

Turbidity

Calibration Solution	Lot # / Expiration Date	Stabilization Range (1 NTU)	Comments
0 Standard	C585316/2/28/2017	0	
126 Standard	C582447/8/31/2016	126	

ORP

Calibration Standard (mV)	Lot # / Expiration Date	Stabilization Range (+/- 20 mV)	Comments
240	9099/7/31/20	240	

Day #: _____ Date: June 16, 16 Time: 0905

DO

DO Reading (mg/L) / Temp (°C)	Stabilization Range (+/- 0.02) mg/l)	Comments
760 mm Hg / 32		9.00 (mg/L) 100%

pH

Calibration Solutions	Lot # / Expiration Date	Stabilization Range (+/- 0.2 units)	Comments
4.0 Standard	6GA048/1/31/18		4.00
7.0 Standard	6GA544/1/31/18		7.00

Specific Conductivity

Calibration Standard (µS/cm)	Lot # / Expiration Date	Stabilization Range (+/- 0.02 µS/cm)	Comments
1.413	12105/3/18/17		1.413

Turbidity

Calibration Solution	Lot # / Expiration Date	Stabilization Range (1 NTU)	Comments
0 Standard	C585316/2/28/17		0.0
Standard 126	C582447/8/31/16		126.1

ORP

Calibration Standard (mV)	Lot # / Expiration Date	Stabilization Range (+/- 20 mV)	Comments
240.0	9099/7/31/20		240.0

Day #: _____ Date: June 17, 2016 Time: 0900

DO

DO Reading (mg/L) / Temp (°C)	Stabilization Range (+/- 0.02) mg/l)	Comments
8.84 / 31		8.84 100%

pH

Calibration Solutions	Lot # / Expiration Date	Stabilization Range (+/- 0.2 units)	Comments
4.0 Standard	6GA048/1/31/18		4.00
7.0 Standard	6GA544/1/31/18		7.00

Specific Conductivity

Calibration Standard (µS/cm)	Lot # / Expiration Date	Stabilization Range (+/- 0.02 µS/cm)	Comments
1.413	6G013/3/31/17		1.413

Turbidity

Calibration Solution	Lot # / Expiration Date	Stabilization Range (1 NTU)	Comments
0 Standard	C585316/2/28/17		0.3
126 Standard	C582447/2/28/17		125.9

ORP

Calibration Standard (mV)	Lot # / Expiration Date	Stabilization Range (+/- 20 mV)	Comments
240.0	9099/7/31/20		240.0

Instrument Calibration Log

Site Name, Location: BMS, Humacao
Instrument Model: YSI 556 MPS

Personnel: R. Stuart
Instrument Serial #: 05J1366
(7367- PINE)

Day #: _____ Date: June 17, 2016 Time: 0930

DO

DO Reading (mg/L) / Temp (°C)	Stabilization Range (+/- 0.02) mg/l)	Comments
760.0 mm Hg		7.70 mg/L / 32 100%

pH

Calibration Solutions	Lot # / Expiration Date	Stabilization Range (+/- 0.2 units)	Comments
4.0 Standard	6GA048 / 1/31/18		4.00
7.0 Standard	6GA544 / 1/31/18		7.00

Specific Conductivity

Calibration Standard (µS/cm)	Lot # / Expiration Date	Stabilization Range (+/- 0.02 µS/cm)	Comments
1.413	12105 / 3/18/17		1.413

Turbidity

Calibration Solution	Lot # / Expiration Date	Stabilization Range (1 NTU)	Comments
0 Standard	DI water	0.3	
100 Standard	A4174 / Jun 2014	99.8	

ORP

Calibration Standard (mV)	Lot # / Expiration Date	Stabilization Range (+/- 20 mV)	Comments
240.0	8752 / 4/30/20		240.0

Day #: _____ Date: June 20, 2016 Time: 0850

DO

DO Reading (mg/L) / Temp (°C)	Stabilization Range (+/- 0.02) mg/l)	Comments
760.0 mm Hg		7.82 mg/L 99.5%

pH

Calibration Solutions	Lot # / Expiration Date	Stabilization Range (+/- 0.2 units)	Comments
4.0 Standard	6GA048 / 1/31/18		4.00
7.0 Standard	6GA544 / 1/31/18		7.00

Specific Conductivity

Calibration Standard (µS/cm)	Lot # / Expiration Date	Stabilization Range (+/- 0.02 µS/cm)	Comments
1.413 mS/cm	12105 / 3/18/17		1.413

Turbidity

Calibration Solution	Lot # / Expiration Date	Stabilization Range (1 NTU)	Comments
0 Standard	DI water		0.04
100 Standard	A4174 / Jun 2016		100.0

ORP

Calibration Standard (mV)	Lot # / Expiration Date	Stabilization Range (+/- 20 mV)	Comments
240.0 mV	8752 / 4/30/20		240.1

Day #: _____ Date: _____ Time: _____

DO

DO Reading (mg/L) / Temp (°C)	Stabilization Range (+/- 0.02) mg/l)	Comments

pH

Calibration Solutions	Lot # / Expiration Date	Stabilization Range (+/- 0.2 units)	Comments
4.0 Standard			
7.0 Standard			

Specific Conductivity

Calibration Standard (µS/cm)	Lot # / Expiration Date	Stabilization Range (+/- 0.02 µS/cm)	Comments

Turbidity

Calibration Solution	Lot # / Expiration Date	Stabilization Range (1 NTU)	Comments
0 Standard			
Standard			

ORP

Calibration Standard (mV)	Lot # / Expiration Date	Stabilization Range (+/- 20 mV)	Comments