WESTON SOLUTIONS

MONITORING WELL SAMPLING LOG

Well ID: MW-WES-04A	Site / Sampling Event: 20405.012.001.1856.00 / West Vermont PRP
Purged by: G. Roussos	Date: 8/20/13 — Weather: low 70's, sunny, clear
Measurement Reference Point: top of well casing	Sample Number: WVS-MWWES-04A-082013-GW

Static Water Level:	Well Depth:	Well Screen Interval:	Initial Time:	Final Time:
21.23	28.70	30-35	910	1018

Casing Diameter:	Bore Volume:	Pump Type:	Depth to Pump:	Filtered Sample:
2"	—	QED Bladder Pump	28'	N/A

Time (hours)	Water Level (feet)	pH (S.U.)	Temp. (°C)	Specific Cond. (ohms/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Flow Rate (mL/min)	Comments
910	21.23	—	—	—	—	—	—	—	Start
920	21.23	6.84	18.03	685	42.7	6.98	260	200	emptied flow
930	21.23	7.03	16.48	676	-3.0	7.25	148	200	through well (leak)
0936	21.23	7.02	17.41	680	7.2	7.10	129	200	
0940	21.23	6.97	17.20	681	-13.6	7.03	103	200	
0945	21.23	6.96	17.10	681	-13.6	5.75	77.2	200	
0950	21.23	6.96	17.19	680	-9.3	4.98	57.7	200	
0955	21.23	6.97	17.20	681	-7.9	4.60	46.7	200	
1000	21.23	6.97	17.30	681	-8.7	4.43	41.3	200	
1005	21.23	6.98	17.48	682	-10.0	4.40	30.0	200	
1010	21.23	6.99	17.58	682	-10.7	4.39	28.7	200	

Sample Time (hours)	Water Level (feet)	pH (S.U.)	Temp. (°C)	Specific Cond. (ohms/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Flow Rate (mL/min)	Comments
1015	21.23	6.99	17.64	682	-11.1	4.35	26.5	200	

Discharge Time:
Fill Time:
Fill Rate:

Roadbox VOC: **n/a**
Well Headspace VOC: **n/a**

Well cap in place? Yes / No
Lock in place? Yes / No

Low Flow Stabilization Criteria:

Yes / No	pH	± 0.2 SU	Yes / No	ORP	± 20 mV
Yes / No	Temp	± 0.5 °Celsius	Yes / No	DO	± 10% or ± 0.2 mg/L (whichever is greater)
Yes / No	Cond.	± 3%	Yes / No	Turbidity	≤ 10 NTUs or ± 10% if > 10 NTU

Notes:

WESTON SOLUTIONS

MONITORING WELL SAMPLING LOG

Well ID: MW-WES-04B	Site / Sampling Event: **20405.012.001.1856.00 / West Vermont PRP**
Purged by: G. Poussos	Date: 8/20/13
Weather: Sunny, 75°F, partly cloudy	
Measurement Reference Point: **top of well casing**	Sample Number: WVS-MWWES-04B-082013-GW

Static Water Level:	Well Depth:	Well Screen Interval:	Initial Time:	Final Time:
21.33	42.45	40-45	1045	1123

Casing Diameter:	Bore Volume:	Pump Type:	Depth to Pump:	Filtered Sample:
2"	—	**QED Bladder Pump**	41.5	—

Time (hours)	Water Level (feet)	pH (S.U.)	Temp. (°C)	Specific Cond. (ohms/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Flow Rate (mL/min)	Comments
1045	21.33	—	—	—	—	—	—	—	Start
1050	21.33	—	—	—	—	—	—	—	issue w/ YSI
1100	21.33	7.22	-9.99	-1868	-57.4	-28.22	12.5	250	Attempt to fix
1105	21.23	7.18	"	-1854	-59.9	-18.73	6.57	250	
1110	21.23	7.19	"	-1855	-61.7	-16.15	5.30	250	
1115	21.23	7.18	"	-1853	-64.5	-15.23	4.40	250	

Sample Time (hours)	Water Level (feet)	pH (S.U.)	Temp. (°C)	Specific Cond. (ohms/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Flow Rate (mL/min)	Comments
1120	21.23	7.16	"	-1844	-60.4	-14.88	4.18	250	

Discharge Time:
Fill Time:
Fill Rate:

Roadbox VOC: **n/a**
Well Headspace VOC: **n/a**

Well cap in place? Yes / No
Lock in place? Yes / No

Low Flow Stabilization Criteria:

Yes / No	pH	± 0.2 SU	Yes / No	ORP	± 20 mV
Yes / No	Temp	± 0.5 °Celsius	Yes / No	DO	± 10% or ± 0.2 mg/L (whichever is greater)
Yes / No	Cond.	± 3%	Yes / No	Turbidity	≤ 10 NTUs or ± 10% if > 10 NTU

Notes:

WESTON SOLUTIONS

MONITORING WELL SAMPLING LOG

Well ID: MW-WES-03A	Site / Sampling Event: 20405.012.001.1856.00 / West Vermont PRP
Purged by: G. Roussos	Date: 8/20/13
	Weather: 78°F, sunny,
Measurement Reference Point: top of well casing	Sample Number: WVS-MWWES-03A-082013-GW

Static Water Level:	Well Depth:	Well Screen Interval:	Initial Time:	Final Time:
22.51	34.70	30-35	1227	

Casing Diameter:	Bore Volume:	Pump Type:	Depth to Pump:	Filtered Sample:
2"	—	QED Bladder Pump	32.5	N/A

Time (hours)	Water Level (feet)	pH (S.U.)	Temp. (°C)	Specific Cond. (ohms/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Flow Rate (mL/min)	Comments
1227	—	—	—	—	—	—	—	—	start
1230	22.48	7.13	19.20	1146	-130.5	29.8	—	~~150~~ 92	100
1245	22.48	7.03	24.34	1103	-64.5	6.26	221	~~200~~ 92	100
1250	22.48	7.00	20.51	1085	-78.3	7.82	215	200	Adjust Flow
1255	22.49	6.83	16.55	1102	-84.6	6.02	136	200	
1305	22.49	6.74	16.00	1135	-84.8	6.00	105	200	
1310	22.49	6.78	16.10	1127	-90.4	5.95	95	200	

Sample Time (hours)	Water Level (feet)	pH (S.U.)	Temp. (°C)	Specific Cond. (ohms/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Flow Rate (mL/min)	Comments
1315	22.49	6.85	16.12	1115	-93.8	5.90	90	200	

Discharge Time:
Fill Time:
Fill Rate:

Roadbox VOC: **n/a**
Well Headspace VOC: **n/a**

Well cap in place? Yes / No
Lock in place? Yes / No

Low Flow Stabilization Criteria:

Yes / No	pH	± 0.2 SU	Yes / No	ORP	± 20 mV
Yes / No	Temp	± 0.5 °Celsius	Yes / No	DO	± 10% or ± 0.2 mg/L (whichever is greater)
Yes / No	Cond.	± 3%	Yes / No	Turbidity	≤ 10 NTUs or ± 10% if > 10 NTU

Notes:

WESTON SOLUTIONS

MONITORING WELL SAMPLING LOG

Well ID: MWWES-03B	Site / Sampling Event: **20405.012.001.1856.00 / West Vermont PRP**
Purged by: G. Roussos	Date: 8/20/13 — Weather:
Measurement Reference Point: **top of well casing**	Sample Number: WVS-MWWES-03B-082013-GW

Static Water Level:	Well Depth:	Well Screen Interval:	Initial Time:	Final Time:
22.48	40.25	40-45	1358	1438

Casing Diameter:	Bore Volume:	Pump Type:	Depth to Pump:	Filtered Sample:
2"	—	**QED Bladder Pump**	38.5	N/A

Time (hours)	Water Level (feet)	pH (S.U.)	Temp. (°C)	Specific Cond. (ohms/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Flow Rate (mL/min)	Comments
21.54	7358	—	—	—	—	—	—	—	Start
1405	22.65	7.08	-99.9	-3676	-102.8	-57.66	795	125	
1410	23.12	7.07	-9.99	-3638	-101.1	-37.89	363	100	
1415	23.67	7.82	"	-3664	-96.4	-27.33	235	100	
1420	24.01	7.85	"	-3711	-93.9	-26.56	206	100	
1425	24.37	7.76	"	-3728	-98.4	-24.58	193	100	
1430	24.40	7.68	"	-3734	-101.9	-23.95	190	100	

Sample Time (hours)	Water Level (feet)	pH (S.U.)	Temp. (°C)	Specific Cond. (ohms/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Flow Rate (mL/min)	Comments
1435	24.52	7.65	"	-3754	-102.4	-22.75	195	100	

Discharge Time:
Fill Time:
Fill Rate:

Roadbox VOC: **n/a**
Well Headspace VOC: **n/a**

Well cap in place? Yes / No
Lock in place? Yes / No

Low Flow Stabilization Criteria:

Yes / No	pH	± 0.2 SU	Yes / No	ORP	± 20 mV
Yes / No	Temp	± 0.5 °Celsius	Yes / No	DO	± 10% or ± 0.2 mg/L (whichever is greater)
Yes / No	Cond.	± 3%	Yes / No	Turbidity	≤ 10 NTUs or ± 10% if > 10 NTU

Notes:

WESTON SOLUTIONS

MONITORING WELL SAMPLING LOG

Well ID: mwwes-05A	Site / Sampling Event: 20405.012.001.1856.00 / West Vermont PRP
Purged by: G. Roussos	Date: 8/20/13
	Weather: partly cloudy, 82°F
Measurement Reference Point: top of well casing	Sample Number: WVS-mwwes-05A-082013
Static Water Level: 20.02	Well Depth: 24.37
Well Screen Interval: 20-25	Initial Time: 1549
	Final Time:
Casing Diameter: 2"	Bore Volume: —
Pump Type: QED Bladder Pump	Depth to Pump: 23'
	Filtered Sample: n/a

Time (hours)	Water Level (feet)	pH (S.U.)	Temp. (°C)	Specific Cond. (ohms/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Flow Rate (mL/min)	Comments
1549	20.05	—	—	—	—	—	—	—	start
1555	20.05	7.30	18.28	574	-5.3	19.3	206	300	
1600	20.05	7.10	16.83	573	-13.3	11.06	206	300	
1605	20.05	7.51	16.49	578	-28.4	7.43	118	300	
1610	20.05	7.57	16.57	579	-31.2	6.25	54.2	300	
1615	20.05	7.45	16.40	581	-30.2	5.70	72.6	300	
1620	20.05	7.36	16.21	582	-28.5	5.25	50.1	300	
1625	20.05	7.29	16.18	586	-23.8	5.30	37.3	300	
1630	20.05	7.19	16.29	595	-20.0	5.84	24.3	300	
1635	20.05	7.25	16.21	612	-20.2	4.75	15.3	300	
1640	20.05	7.34	16.10	622	-15.5	4.71	10.1	300	

Sample Time (hours)	Water Level (feet)	pH (S.U.)	Temp. (°C)	Specific Cond. (ohms/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Flow Rate (mL/min)	Comments
1645	20.05	7.33	16.22	631	-14.4	4.51	8.36	300	

Discharge Time:
Fill Time:
Fill Rate:

Roadbox VOC: **n/a**
Well Headspace VOC: **n/a**

Well cap in place? Yes / No
Lock in place? Yes / No

Low Flow Stabilization Criteria:

Yes / No	pH	± 0.2 SU	Yes / No	ORP	± 20 mV
Yes / No	Temp	± 0.5 °Celsius	Yes / No	DO	± 10% or ± 0.2 mg/L (whichever is greater)
Yes / No	Cond.	± 3%	Yes / No	Turbidity	≤ 10 NTUs or ± 10% if > 10 NTU

Notes:

WESTON SOLUTIONS

MONITORING WELL SAMPLING LOG

Well ID: MW WES 05 B	Site / Sampling Event: 20405.012.001.1856.00 / West Vermont PRP
Purged by: G. Roussos	Date: 8/20/13 — Weather: Partly cloudy, 80°F
Measurement Reference Point: top of well casing	Sample Number: NVS-MWWES-05B-082013-GW

Static Water Level:	Well Depth:	Well Screen Interval:	Initial Time:	Final Time:
19.62	37.20	32.5 - 37.5	1714	

Casing Diameter:	Bore Volume:	Pump Type:	Depth to Pump:	Filtered Sample:
2"	—	QED Bladder Pump	35	N/A

Time (hours)	Water Level (feet)	pH (S.U.)	Temp. (°C)	Specific Cond. (ohms/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Flow Rate (mL/min)	Comments
19.67	1714								START
1720	19.67	7.21	17.73	789	-46.8	5.21	err	300	
1735	19.67	7.38	16.45	776	-44.4	3.26	113	300	
1745	19.67	7.40	16.30	788	-47.2	2.55	30.8	300	
1750	19.67	7.40	16.27	791	-47.1	2.54	22.3	300	
1755	19.67	7.39	16.17	791	-45.3	2.53	17.7	300	
1800	19.67	7.40	16.11	792	-47.6	2.54	13.4	300	
1805	19.67	7.41	16.14	793	-45.6	2.60	11.0	300	

Sample Time (hours)	Water Level (feet)	pH (S.U.)	Temp. (°C)	Specific Cond. (ohms/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Flow Rate (mL/min)	Comments
1810	19.67	7.39	16.09	794	-51.6	2.60	8.74	300	

Discharge Time:
Fill Time:
Fill Rate:

Roadbox VOC: **n/a**
Well Headspace VOC: **n/a**

Well cap in place? Yes / No
Lock in place? Yes / No

Low Flow Stabilization Criteria:

Yes / No	pH	± 0.2 SU	Yes / No	ORP	± 20 mV
Yes / No	Temp	± 0.5 °Celsius	Yes / No	DO	± 10% or ± 0.2 mg/L (whichever is greater)
Yes / No	Cond.	± 3%	Yes / No	Turbidity	≤ 10 NTUs or ± 10% if > 10 NTU

Notes:

WESTON SOLUTIONS

MONITORING WELL SAMPLING LOG

Well ID: MW-05C	Site / Sampling Event: 20405.012.001.1856.00 / West Vermont PRP
Purged by: G. Roussos	Date: 8/21/13
Weather: 70°F, clear	
Measurement Reference Point: top of well casing	Sample Number: WVS-MWWES-05C-082113-GW and WVS-MWWES-DUP1-082113-GW
Static Water Level: 19.16	Well Depth: 49.09
Well Screen Interval: 45-50	Initial Time: 838
Final Time: 955	
Casing Diameter: 2"	Bore Volume:
Pump Type: QED Bladder Pump	Depth to Pump:
Filtered Sample:	

Time (hours)	Water Level (feet)	pH (S.U.)	Temp. (°C)	Specific Cond. (ohms/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Flow Rate (mL/min)	Comments
838	19.18	—	—	—	—	—	—	—	start
900	19.18	emptied flow through cell, water extremely turbid.							
905	19.21	7.44	17.10	699	-199.2	3.14	987	300	
910	19.21	7.34	16.89	698	-116.2	3.03	426	300	
915	19.21	7.47	16.79	694	-97.6	2.85	165	300	
920	19.21	7.50	16.87	691	-98.2	2.74	133	300	
925	19.21	7.48	16.92	689	-105.2	2.60	104	300	
930	19.21	7.58	16.95	689	-106.5	2.50	81.6	300	
935	19.21	7.60	16.95	689	-110.5	2.57	76.8	300	
940	19.21	7.59	16.93	688	-109.5	2.63	62.9	300	
945	19.21	7.59	16.90	687	-111.2	2.75	61.5	300	

Sample Time (hours)	Water Level (feet)	pH (S.U.)	Temp. (°C)	Specific Cond. (ohms/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Flow Rate (mL/min)	Comments
950	19.21	7.59	16.92	686	-109.5	2.69	58.4	300	

Discharge Time:
Fill Time:
Fill Rate:

Roadbox VOC: **n/a**
Well Headspace VOC: **n/a**

Well cap in place? Yes / No
Lock in place? Yes / No

Low Flow Stabilization Criteria:

Yes / No	pH	± 0.2 SU	Yes / No	ORP	± 20 mV
Yes / No	Temp	± 0.5 °Celsius	Yes / No	DO	± 10% or ± 0.2 mg/L (whichever is greater)
Yes / No	Cond.	± 3%	Yes / No	Turbidity	≤ 10 NTUs or ± 10% if > 10 NTU

Notes: grey silty mud on probe after gauging dtb.

WESTON SOLUTIONS

MONITORING WELL SAMPLING LOG

Well ID: Wes-02 A (North)	Site / Sampling Event: 20405.012.001.1856.00 / West Vermont PRP
Purged by: G. Roussos	Date: 8/21/13 — Weather:
Measurement Reference Point: top of well casing	Sample Number: WS-MWWES-02A-082113-GW
Static Water Level: 20.28 — Well Depth: 29.70	Well Screen Interval: — Initial Time: 1046 — Final Time:
Casing Diameter: — Bore Volume:	Pump Type: QED Bladder Pump — Depth to Pump: 27 — Filtered Sample:

Time (hours)	Water Level (feet)	pH (S.U.)	Temp. (°C)	Specific Cond. (ohms/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Flow Rate (mL/min)	Comments
1046	20.30	—	—	—	—	—	—	—	start
1055	20.28	7.22	16.74	666	-54.0	5.44	754	300	
1100	20.28	7.12	16.53	673	-67.0	4.12	588	300	
1105	20.28	7.26	16.49	689	-74.6	3.50	197	300	
1110	20.28	7.53	16.51	703	-75.9	2.98	125	300	
1115	20.28	7.59	16.40	710	-72.8	2.84	102	300	
1120	20.28	7.60	16.57	712	-69.7	2.62	68.3	300	
1125	20.28	7.57	16.31	713	-67.0	2.55	46.9	300	
1130	20.28	7.56	16.32	714	-63.6	2.48	32.3	300	
1135	20.28	7.54	16.29	715	-61.1	2.44	29.3	300	
1140	20.28	7.51	16.20	716	-59.0	2.43	27.0	300	

Sample Time (hours)	Water Level (feet)	pH (S.U.)	Temp. (°C)	Specific Cond. (ohms/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Flow Rate (mL/min)	Comments
1145	20.28	7.46	16.01	716	-58.6	2.47	26.1	300	

Discharge Time:
Fill Time:
Fill Rate:

Roadbox VOC: **n/a**
Well Headspace VOC: **n/a**

Well cap in place? Yes / No
Lock in place? Yes / No

Low Flow Stabilization Criteria:

Yes / No	pH	± 0.2 SU	Yes / No	ORP	± 20 mV
Yes / No	Temp	± 0.5 °Celsius	Yes / No	DO	± 10% or ± 0.2 mg/L (whichever is greater)
Yes / No	Cond.	± 3%	Yes / No	Turbidity	≤ 10 NTUs or ± 10% if > 10 NTU

Notes:

WESTON SOLUTIONS

MONITORING WELL SAMPLING LOG

Well ID: WES-02 B	Site / Sampling Event: 20405.012.001.1856.00 / West Vermont PRP
Purged by: G. Roussos	Date: 8/21/13 — Weather: 80°F, cloudy
Measurement Reference Point: top of well casing	Sample Number: WVS-MWWES-02B-082113-GW + MS/MSD

Static Water Level:	Well Depth:	Well Screen Interval:	Initial Time:	Final Time:
20.39	38.35	35-40	1208	

Casing Diameter:	Bore Volume:	Pump Type:	Depth to Pump:	Filtered Sample:
2.5"	—	QED Bladder Pump	37'	N/A

Time (hours)	Water Level (feet)	pH (S.U.)	Temp. (°C)	Specific Cond. (ohms/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Flow Rate (mL/min)	Comments
1208 ~~20.7~~	20.29	—	—	—	—	—	—	—	start
1215	20.25	7.31	17.62	919	-59.3	50.00	233	300	
1225	20.25	7.30	17.54	904	-62.5	10.27	113	300	
1235	20.25	7.32	17.59	898	-63.1	9.54	64.6	300	
1240	20.25	7.35	17.54	898	-58.6	9.64	48.4	300	
1245	20.25	7.34	17.56	896	-58.5	9.57	36.7	300	
1250	20.25	7.35	17.74	895	-52.0	9.49	25.6	300	
1255	20.25	7.34	17.70	896	-58.8	9.61	20.1	300	
1305	20.25	7.36	17.40	890	-55.7	10.01	18.6	300	

Sample Time (hours)	Water Level (feet)	pH (S.U.)	Temp. (°C)	Specific Cond. (ohms/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Flow Rate (mL/min)	Comments
1310	20.25	7.36	17.45	891	-54.1	10.00	17.4	300	

Discharge Time:
Fill Time:
Fill Rate:

Roadbox VOC: **n/a**
Well Headspace VOC: **n/a**

Well cap in place? Yes / No
Lock in place? Yes / No

Low Flow Stabilization Criteria:

Yes / No	pH	± 0.2 SU	Yes / No	ORP	± 20 mV
Yes / No	Temp	± 0.5 °Celsius	Yes / No	DO	± 10% or ± 0.2 mg/L (whichever is greater)
Yes / No	Cond.	± 3%	Yes / No	Turbidity	≤ 10 NTUs or ± 10% if > 10 NTU

Notes:

WESTON SOLUTIONS

MONITORING WELL SAMPLING LOG

Well ID: MW-WES-02C (south)	Site / Sampling Event: 20405.012.001.1856.00 / West Vermont PRP
Purged by:	Date: / Weather:
Measurement Reference Point: top of well casing	Sample Number:
Static Water Level: 20.02	Well Depth: 45.54
Well Screen Interval: 40-50	Initial Time: 1347
Final Time:	
Casing Diameter: 2.5' steel	Bore Volume:
Pump Type: QED Bladder Pump	Depth to Pump: 43'
Filtered Sample:	

Time (hours)	Water Level (feet)	pH (S.U.)	Temp. (°C)	Specific Cond. (ohms/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Flow Rate (mL/min)	Comments
1347	19.00	—	—	—	—	—	—	—	START
1352	20.20	7.09	17.83	870	~~870~~ m	7.23	—	—	
1405	22.40	6.73	17.92	835	-189.2	3.37	132	300	
1410	22.75	6.70	20.00	830	-200.3	2.83	105	150	
1415	22.85	6.69	21.47	837	-189.9	3.03	111	100	
1420	22.92	6.74	23.28	854	-189.1	3.71	131	100	
1425	23.05	6.78	23.26	875	-183.3	4.41	163	100	

Sample Time (hours)	Water Level (feet)	pH (S.U.)	Temp. (°C)	Specific Cond. (ohms/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Flow Rate (mL/min)	Comments
1430	23.30	6.80	22.20	878	-180.1	4.01	155	100	

Discharge Time:
Fill Time:
Fill Rate:

Roadbox VOC: **n/a**
Well Headspace VOC: **n/a**

Well cap in place? Yes / No
Lock in place? Yes / No

Low Flow Stabilization Criteria:

Yes / No	pH	± 0.2 SU	Yes / No	ORP	± 20 mV
Yes / No	Temp	± 0.5 °Celsius	Yes / No	DO	± 10% or ± 0.2 mg/L (whichever is greater)
Yes / No	Cond.	± 3%	Yes / No	Turbidity	≤ 10 NTUs or ± 10% if > 10 NTU

Notes: Well not stabalizing, turbidity increasing. doesnt seem like stabalization will be reached. slight sewer odor in water.

WESTON SOLUTIONS

MONITORING WELL SAMPLING LOG

Well ID: MW-WES 01-A	Site / Sampling Event: 20405.012.001.1856.00 / West Vermont PRP
Purged by: G. Roussos	Date: 8/21/13 — Weather: partly cloudy, 80°F
Measurement Reference Point: top of well casing	Sample Number: WVS-MWWES-01A-082113-GW

Static Water Level:	Well Depth:	Well Screen Interval:	Initial Time:	Final Time:
20.40	29.27	32.5 → 37.5	1540	1639

Casing Diameter:	Bore Volume:	Pump Type:	Depth to Pump:	Filtered Sample:
2.5"	—	QED Bladder Pump	27	N/A

Time (hours)	Water Level (feet)	pH (S.U.)	Temp. (°C)	Specific Cond. (ohms/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Flow Rate (mL/min)	Comments
1540	20.41								Start
1544	20.41	7.18	19.76	938	-121.4	26.79	495	300	
1600	20.41	7.71	15.75	858	-103.8	4.60	153	300	
1605	20.41	7.67	15.61	848	-104.1	4.04	109	300	
1610	20.41	7.66	15.73	836	-103.4	3.43	72.9	300	
1615	20.41	7.64	15.63	829	-101.8	3.62	39.9	300	
1620	20.41	7.65	15.61	823	-100.8	3.80	32.2	300	
1625	20.41	7.62	15.49	818	-98.6	3.65	18.9	300	
1630	20.41	7.61	15.47	812	-95.6	5.47	8.9	300	

Sample Time (hours)	Water Level (feet)	pH (S.U.)	Temp. (°C)	Specific Cond. (ohms/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Flow Rate (mL/min)	Comments
1635									

Discharge Time:
Fill Time:
Fill Rate:

Roadbox VOC: **n/a**
Well Headspace VOC: **n/a**

Well cap in place? Yes / No
Lock in place? Yes / No

Low Flow Stabilization Criteria:

Yes / No	pH	± 0.2 SU	Yes / No	ORP	± 20 mV
Yes / No	Temp	± 0.5 °Celsius	Yes / No	DO	± 10% or ± 0.2 mg/L (whichever is greater)
Yes / No	Cond.	± 3%	Yes / No	Turbidity	≤ 10 NTUs or ± 10% if > 10 NTU

Notes: light sheen observed on purge water bubbling to surface

WESTON SOLUTIONS

MONITORING WELL SAMPLING LOG

Well ID: WES-01 B (middle)	Site / Sampling Event: 20405.012.001.1856.00 / West Vermont PRP
Purged by: G. Roussos	Date: 8/21/13 — Weather: 75°, partly cloudy
Measurement Reference Point: top of well casing	Sample Number: WVS-MWWES-01B-082113-GW

Static Water Level:	Well Depth:	Well Screen Interval:	Initial Time:	Final Time:
20.44	36.00		1659	1748

Casing Diameter:	Bore Volume:	Pump Type:	Depth to Pump:	Filtered Sample:
2.5" steel	—	QED Bladder Pump		N/A

Time (hours)	Water Level (feet)	pH (S.U.)	Temp. (°C)	Specific Cond. (ohms/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Flow Rate (mL/min)	Comments 1748
20.45	—								Start
1705	20.50	7.20	17.42	903	-79.7	9.78	err	300	
1717	emptied flowthrough cell — very turbid								
1720	20.47	7.46	16.03	864	-69.3	2.71	69.0	300	
1725	20.47	7.50	15.84	878	-68.2	2.43	46.7	300	
1730	20.47	7.51	15.81	887	-69.4	2.26	35.2	300	
1735	20.47	7.50	15.86	892	-71.5	2.17	31.0	300	
1740	20.47	7.52	15.85	896	-72.3	2.14	21.1	300	
1745	20.47	7.51	15.66	899	-71.2	2.07	19.1	300	

Sample Time (hours)	Water Level (feet)	pH (S.U.)	Temp. (°C)	Specific Cond. (ohms/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Flow Rate (mL/min)	Comments
1745	20.47	7.51	15.58	901	-75.1	2.05	18.9	300	

Discharge Time:
Fill Time:
Fill Rate:

Roadbox VOC: **n/a**
Well Headspace VOC: **n/a**

Well cap in place? Yes / No
Lock in place? Yes / No

Low Flow Stabilization Criteria:

Yes / No	pH	± 0.2 SU	Yes / No	ORP	± 20 mV
Yes / No	Temp	± 0.5 °Celsius	Yes / No	DO	± 10% or ± 0.2 mg/L (whichever is greater)
Yes / No	Cond.	± 3%	Yes / No	Turbidity	≤ 10 NTUs or ± 10% if > 10 NTU

Notes:

WESTON SOLUTIONS

MONITORING WELL SAMPLING LOG

Well ID: Wes-01 C (south)	Site / Sampling Event: 20405.012.001.1856.00 / West Vermont PRP
Purged by: G. Roussos	Date: 8/21/13 — Weather: 75°F, partly cloudy
Measurement Reference Point: top of well casing	Sample Number: WVS-mwwes-01C-082113-GW

Static Water Level:	Well Depth:	Well Screen Interval:	Initial Time:	Final Time:
20.36	52.50	50-55	1823	1919

Casing Diameter:	Bore Volume:	Pump Type:	Depth to Pump:	Filtered Sample:
2.5" stel	—	QED Bladder Pump	53	N/A

Time (hours)	Water Level (feet)	pH (S.U.)	Temp. (°C)	Specific Cond. (ohms/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Flow Rate (mL/min)	Comments
1823	20.60	—	—	—	—	—	—	—	start
1827	21.54	7.39	15.98	583	-143.1	18.55	err	300	
1840	23.90	7.57	15.44	519	-106.3	3.48	76.7	200	
1845	24.85	7.63	15.88	499	-111.4	3.20	60.1	150	
1850	24.80	7.63	16.47	514	-112.5	2.88	46.9	100	
1855	24.65	7.51	16.43	539	-119.8	2.63	30.1	100	
1900	24.55	7.44	16.36	580	-129.3	2.42	22.2	100	
1905	24.50	7.47	16.24	608	-132.9	9.10	16.9	100	DSI turned off; readings skewed
1910	24.43	7.49	16.17	638	-136.5	2.59	12.1	100	
1915	24.37	7.57	16.14	657	-140.5	2.25	9.5	100	

Sample Time (hours)	Water Level (feet)	pH (S.U.)	Temp. (°C)	Specific Cond. (ohms/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Flow Rate (mL/min)	Comments

Discharge Time:
Fill Time:
Fill Rate:

Roadbox VOC: **n/a**
Well Headspace VOC: **n/a**

Well cap in place? Yes / No
Lock in place? Yes / No

Low Flow Stabilization Criteria:

Yes / No	pH	± 0.2 SU	Yes / No	ORP	± 20 mV
Yes / No	Temp	± 0.5 °Celsius	Yes / No	DO	± 10% or ± 0.2 mg/L (whichever is greater)
Yes / No	Cond.	± 3%	Yes / No	Turbidity	≤ 10 NTUs or ± 10% if > 10 NTU

Notes:

WESTON SOLUTIONS

MONITORING WELL SAMPLING LOG

Well ID:		Site / Sampling Event: **20405.012.001.1856.00 / West Vermont PRP**		
Purged by:		Date:	Weather:	
Measurement Reference Point: **top of well casing**		Sample Number:		
Static Water Level:	Well Depth:	Well Screen Interval:	Initial Time:	Final Time:
Casing Diameter:	Bore Volume:	Pump Type: **QED Bladder Pump**	Depth to Pump:	Filtered Sample:

Time *(hours)*	Water Level *(feet)*	pH *(S.U.)*	Temp. *(° C)*	Specific Cond. *(ohms/cm)*	ORP *(mV)*	DO *(mg/L)*	Turbidity *(NTU)*	Flow Rate *(mL/min)*	Comments

Sample Time *(hours)*	Water Level *(feet)*	pH *(S.U.)*	Temp. *(° C)*	Specific Cond. *(ohms/cm)*	ORP *(mV)*	DO *(mg/L)*	Turbidity *(NTU)*	Flow Rate *(mL/min)*	Comments

Discharge Time:
Fill Time:
Fill Rate:

Roadbox VOC: **n/a**
Well Headspace VOC: **n/a**

Well cap in place? Yes / No
Lock in place? Yes / No

Low Flow Stabilization Criteria:

Yes / No	pH	± 0.2 SU	Yes / No	ORP	± 20 mV
Yes / No	Temp	± 0.5 °Celsius	Yes / No	DO	± 10% or ± 0.2 mg/L (whichever is greater)
Yes / No	Cond.	± 3%	Yes / No	Turbidity	≤ 10 NTUs or ± 10% if > 10 NTU

Notes: