WESTON SOLUTIONS

# MONITORING WELL SAMPLING LOG

| | |
|---|---|
| Well ID: WES-MW-04A | Site / Sampling Event: **20405.012.001.1856.00 / West Vermont PRP** |
| Purged by: G. Roussos | Date: 9/10/13 — Weather: |
| Measurement Reference Point: **top of well casing** | Sample Number: ~~[illegible]~~ WVS-MWWES-04A-091013 |

| Static Water Level: | Well Depth: | Well Screen Interval: | Initial Time: | Final Time: |
|---|---|---|---|---|
| 21.61 | 28.53 | 30-35' | | |

| Casing Diameter: | Bore Volume: | Pump Type: | Depth to Pump: | Filtered Sample: |
|---|---|---|---|---|
| | | **QED Bladder Pump** | 27' | |

| 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 |
|---|---|---|---|---|---|---|---|---|---|
| 905 | 21.62 | — | — | — | — | — | — | — | start |
| 915 | 21.62 | — | — | — | — | — | — | — | restart |
| 918 | 21.62 | 7.08 | 18.25 | 625 | -2.1 | 4.09 | — | 275 | |
| 930 | 21.62 | 6.97 | 16.74 | 650 | -0.7 | 3.18 | 101 | 275 | |
| 935 | 21.62 | 6.96 | 16.60 | 647 | 2.4 | 3.19 | 78.6 | 275 | |
| 940 | 21.62 | 6.99 | 16.49 | 646 | 3.7 | 3.00 | 65.9 | 275 | |
| 945 | 21.62 | 7.00 | 16.53 | 645 | 5.1 | 2.99 | 51.8 | 275 | |
| 950 | 21.62 | 7.01 | 16.49 | 646 | 6.2 | 2.82 | 40.3 | 275 | |
| 955 | 21.62 | 7.01 | 16.47 | 645 | 7.3 | 2.75 | 29.0 | 275 | |
| 1000 | 21.62 | 7.02 | 16.52 | 645 | 8.2 | 2.75 | 23.1 | 275 | |
| 1005 | 21.62 | 7.01 | 16.45 | 645 | 9.7 | 2.62 | 10.5 | 275 | |
| 1010 | 21.62 | 7.01 | 16.43 | 647 | 9.5 | 2.55 | 9.20 | 275 | |

| 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 |
|---|---|---|---|---|---|---|---|---|---|
| 1010 | | | | | | | | | |

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: 9/10/13 — Weather: |
| Measurement Reference Point: top of well casing | Sample Number: WVS-MWWES-04B-091013 |
| Static Water Level: 21.56 — Well Depth: 42.26 | Well Screen Interval: 40-45 — Initial Time: — Final Time: |
| Casing Diameter: — Bore Volume: | Pump Type: QED Bladder Pump — Depth to Pump: 41 — 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 |
|---|---|---|---|---|---|---|---|---|---|
| 1034 | 21.56 | — | — | — | — | — | — | — | start |
| 1039 | 21.72 | 7.33 | 21.22 | 686 | -24.2 | 8.61 | — | 325 | |
| 1045 | 21.75 | 7.15 | 16.18 | 690 | -35.0 | 0.75 | 138.4 | 325 | |
| 1050 | 21.73 | 7.15 | 15.90 | 689 | -52.0 | 0.55 | 81.0 | 325 | |
| 1055 | 21.75 | 7.15 | 15.92 | 690 | -48.8 | 0.48 | 73.0 | 325 | |
| 1100 | 21.78 | 7.14 | 15.72 | 697 | -56.2 | 0.49 | 35.8 | 325 | |
| 1105 | 21.73 | 7.14 | 15.96 | 697 | -55.7 | 0.41 | 26.8 | 325 | |
| 1110 | 21.75 | 7.17 | 15.85 | 699 | -65.1 | 0.44 | 16.0 | 325 | |
| 1115 | 21.75 | 7.15 | 15.80 | 698 | -70.8 | 0.45 | 10.5 | 325 | |

| 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 | 21.78 | 7.16 | 15.90 | 697 | -72.2 | 0.45 | 8.19 | 325 | |

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-03 A | Site / Sampling Event: 20405.012.001.1856.00 / West Vermont PRP |
| Purged by: G. Roussos | Date: 9/10/13 — Weather: |
| Measurement Reference Point: top of well casing | Sample Number: WOS-MWWGS-03A-091013 |
| Static Water Level: 22.98 — Well Depth: 34.52 | Well Screen Interval: 30-35 — Initial Time: — Final Time: |
| Casing Diameter: — Bore Volume: | Pump Type: QED Bladder Pump — Depth to Pump: 33' — 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 |
|---|---|---|---|---|---|---|---|---|---|
| 1240 | 23.00 | — | — | — | — | — | — | — | Start |
| 1245 | 23.00 | 6.77 | 21.73 | 1278 | -105.0 | 8.58 | err | 150 | spurting |
| 1250 | 23.00 | 6.68 | 21.33 | 1302 | -100.0 | 7.50 | 334 | 150 | |
| 1300 | 23.00 | 6.65 | 20.35 | 1290 | -107.1 | 4.18 | 206 | 150 | |
| 1310 | 23.00 | 6.81 | 19.89 | 1262 | -116.1 | 2.64 | 129 | 150 | |
| 1315 | 23.00 | 6.80 | 19.97 | 1252 | -115.9 | 2.49 | 114 | 150 | |
| 1320 | 23.00 | 6.88 | 19.63 | 1244 | -115.6 | 2.41 | 105 | 150 | |
| 1325 | 23.00 | 6.88 | 19.83 | 1242 | -113.6 | 2.38 | 101 | 150 | |
| | | | | | | | | | |
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| 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 |
|---|---|---|---|---|---|---|---|---|---|
| 1330 | 23.00 | 6.91 | 19.83 | 1240 | -110.5 | 2.30 | 95.4 | 150 | |

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: 9/10/13 — Weather: |
| Measurement Reference Point: **top of well casing** | Sample Number: |
| Static Water Level: 21.90 / 22.90 — Well Depth: 40.05 | Well Screen Interval: 40-45 — Initial Time: — Final Time: |
| Casing Diameter: — Bore Volume: | Pump Type: **QED Bladder Pump** — Depth to Pump: 38' — 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 |
|---|---|---|---|---|---|---|---|---|---|
| 1412 | 22.05 | — | — | — | — | — | — | — | Start |
| 1415 | 22.92 | 7.28 | 20.79 | 1326 | -112.5 | 5.37 | err | 200 | |
| 1425 | 25.30 | 6.91 | 17.81 | 1362 | -124.6 | 2.08 | err | 150 | emptied flow |
| 1435 | 25.46 | 7.02 | 18.21 | 1316 | -129.7 | 0.46 | err | 125 | cell |
| 1440 | 26.90 | 7.04 | 18.09 | 1295 | -127.2 | 0.69 | err | 125 | water seems |
| 1445 | 27.35 | 7.01 | 18.25 | 1282 | -126.8 | 0.73 | err | 125 | to be darker/ |
| | | | | | | | | | more turbid |

| 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 |
|---|---|---|---|---|---|---|---|---|---|
| 1450 | 27.60 | 6.99 | 18.05 | 1278 | -125.8 | 0.94 | err | 125 | |

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-05A | Site / Sampling Event: 20405.012.001.1856.00 / West Vermont PRP |
| Purged by: G. Roussos | Date: 9/10/13 — Weather: |
| Measurement Reference Point: top of well casing | Sample Number: |
| Static Water Level: 20.30 — Well Depth: 24.16 | Well Screen Interval: 20-25 — Initial Time: — Final Time: |
| Casing Diameter: — Bore Volume: | Pump Type: QED Bladder Pump — Depth to Pump: 22' — 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 |
|---|---|---|---|---|---|---|---|---|---|
| 1554 | 20.31 | — | — | — | — | — | — | — | start. |
| 1557 | 20.31 | 7.08 | 21.58 | 1113 | -115.4 | 11.88 | — | 200 | |
| 1605 | 20.31 | 6.87 | 20.01 | 1077 | -102.0 | 5.48 | 515 | 200 | temptied flow |
| 1615 | 20.31 | 6.86 | 18.81 | 1100 | -99.9 | 6.57 | 83 | 200 | through cell |
| 1620 | 20.31 | 6.89 | 20.38 | 1097 | -100.9 | 6.01 | 61.8 | 200 | |
| 1625 | 20.31 | 6.93 | 18.57 | 1099 | -102.3 | 7.61 | 49.4 | 200 | |
| 1630 | 20.31 | 6.92 | 18.13 | 1100 | -101.2 | 8.08 | 37.1 | 200 | |
| 1635 | 20.31 | 6.95 | 17.88 | 1102 | -100.0 | 8.26 | 31.4 | 200 | |
| 1640 | 20.31 | 6.97 | 17.75 | 1104 | -98.5 | 8.45 | 21.7 | 200 | |
| 1645 | 20.31 | 7.01 | 17.72 | 1104 | -96.1 | 8.42 | 16.2 | 200 | |
| 1650 | 20.31 | 7.04 | 17.59 | 1105 | -89.9 | 8.61 | 10.6 | 200 | |
| | | | | | | | | | |
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| 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 |
|---|---|---|---|---|---|---|---|---|---|
| 1655 | 20.31 | 7.07 | 17.57 | 1107 | -89.4 | 8.50 | 6.90 | 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: MW-WES-05B | Site / Sampling Event: 20405.012.001.1856.00 / West Vermont PRP |
| Purged by: G. Roussos | Date: 9/10/13 — Weather: |
| Measurement Reference Point: top of well casing | Sample Number: |
| Static Water Level: 19.90 — Well Depth: 37.00 | Well Screen Interval: 32.5 – 37.5 — Initial Time: — Final Time: |
| Casing Diameter: — Bore Volume: | Pump Type: QED Bladder Pump — Depth to Pump: 35' — 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 |
|---|---|---|---|---|---|---|---|---|---|
| 1719 | 19.95 | — | | | | | | — | start |
| 1721 | 19.92 | 7.36 | 20.01 | 830 | -126.1 | 8.77 | — | | |
| 1730 | 19.92 | 7.07 | 16.82 | 819 | -107.4 | 0.84 | err | 250 | empty flow cell |
| 1745 | 19.92 | 7.13 | 16.40 | 840 | -83.9 | 1.13 | 37.2 | 250 | |
| 1750 | 19.92 | 7.13 | 16.64 | 850 | -84.5 | 2.42 | 33.6 | 250 | |
| 1755 | 19.92 | 7.13 | 16.58 | 859 | -81.8 | 1.99 | 17.6 | 250 | |
| 1800 | 19.92 | 7.12 | 16.52 | 861 | -79.8 | 1.57 | 19.4 | 250 | |
| 1805 | 19.92 | 7.12 | 16.37 | 859 | -78.5 | 1.59 | 18.7 | 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 |
|---|---|---|---|---|---|---|---|---|---|
| 1810 | 19.92 | 7.11 | 16.34 | 857 | -78.2 | 1.60 | 17.9 | 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-05C | Site / Sampling Event: 20405.012.001.1856.00 / West Vermont PRP |
| Purged by: G. Roussos | Date: 9/11/13 — Weather: |
| Measurement Reference Point: top of well casing | Sample Number: |
| Static Water Level: 19.34 — Well Depth: 48.80 | Well Screen Interval: 45-50 — 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 |
|---|---|---|---|---|---|---|---|---|---|
| 812 | 19.38 | — | — | — | — | — | — | — | start |
| 815 | 19.38 | 7.43 | 17.36 | 592 | -151.0 | 6.00 | err | 250 | |
| 830 | 19.38 | 7.22 | 16.74 | 625 | -123.3 | 2.11 | 113 | 250 | emptied flow cell |
| 840 | 19.38 | 7.22 | 16.68 | 617 | -101.9 | 1.48 | 83.5 | 250 | |
| 845 | 19.38 | 7.23 | 16.72 | 616 | -105.9 | 1.29 | 59.9 | 250 | |
| 850 | 19.38 | 7.24 | 16.63 | 615 | -101.4 | 1.32 | 37.6 | 250 | |
| 855 | 19.38 | 7.25 | 16.72 | 614 | -107.1 | 1.18 | 38.4 | 250 | |
| 900 | 19.38 | 7.25 | 16.79 | 613 | -105.1 | 0.65 | 23.8 | 250 | |
| 905 | 19.38 | 7.25 | 16.78 | 612 | -115.8 | 0.60 | 10.2 | 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 |
|---|---|---|---|---|---|---|---|---|---|
| 910 | 19.38 | 7.26 | 16.87 | 613 | -107.2 | 0.56 | 9.81 | 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-02A | Site / Sampling Event: 20405.012.001.1856.00 / West Vermont PRP |
| Purged by: G. Roussos | Date: 9/11/13 — Weather: |
| Measurement Reference Point: top of well casing | Sample Number: |
| Static Water Level: 20.66 — Well Depth: 29.50 | 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 |
|---|---|---|---|---|---|---|---|---|---|
| 1237 | 20.70 | — | — | — | — | — | — | — | start |
| 1242 | 20.70 | 7.15 | 23.83 | 999 | -32.0 | 8.01 | — | 250 | |
| 1250 | 20.70 | 7.00 | 17.07 | 1011 | -46.2 | 1.51 | 297 | 250 | emptied flow cell |
| 1300 | 20.70 | 7.01 | 17.04 | 1062 | -36.0 | 1.48 | 121 | 250 | |
| 1305 | 20.70 | 7.36 | 17.02 | 1067 | -42.2 | 1.62 | 72.5 | 250 | |
| 1310 | 20.70 | 7.24 | 17.41 | 1072 | -42.3 | 3.62 | 50.1 | 256 | bubbling |
| 1315 | 20.70 | 7.17 | 17.71 | 1070 | -36.7 | 3.41 | 43.1 | 250 | |
| 1320 | 20.70 | 7.12 | 17.67 | 1064 | -30.5 | 4.06 | 38.4 | | |
| 1325 | 20.70 | 7.14 | 17.71 | 1062 | -28.9 | 4.22 | 36.5 | | |

| 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 |
|---|---|---|---|---|---|---|---|---|---|
| 1330 | 20.70 | 6.99 | 17.73 | 1059 | -27.3 | 3.89 | 31.2 | 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: 02-B | Site / Sampling Event: **20405.012.001.1856.00 / West Vermont PRP** |
| Purged by: G. Roussos | Date: / Weather: |
| Measurement Reference Point: **top of well casing** | Sample Number: |

| Static Water Level: | Well Depth: | Well Screen Interval: | Initial Time: | Final Time: |
|---|---|---|---|---|
| 20.76 | 38.15 | 35-40 | | |

| Casing Diameter: | Bore Volume: | Pump Type: | Depth to Pump: | Filtered Sample: |
|---|---|---|---|---|
| | | **QED Bladder Pump** | | |

| 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 |
|---|---|---|---|---|---|---|---|---|---|
| 1357 | 20.78 | — | — | — | — | — | — | — | start |
| 1400 | 20.78 | 7.41 | 19.80 | 868 | -95.8 | 3.66 | — | 250 | |
| 1410 | 20.78 | 7.12 | 17.57 | 866 | -86.1 | 1.38 | 108 | ↓ | |
| 1420 | 20.78 | 7.17 | 17.26 | 860 | -106.5 | 1.10 | 90.5 | ↓ | emptied flow cell |
| 1430 | 20.78 | 7.23 | 16.76 | 867 | -87.9 | 0.92 | 14.8 | ↓ | |
| 1435 | 20.78 | 7.26 | 16.69 | 864 | -90.3 | 0.87 | 10.6 | ↓ | |
| 1440 | 20.78 | 7.11 | 16.73 | 865 | -89.8 | 0.83 | 7.96 | ↓ | |

| 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 |
|---|---|---|---|---|---|---|---|---|---|
| 1445 | 20.78 | 7.24 | 16.68 | 861 | -90.6 | 0.79 | 5.94 | 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 02C | Site / Sampling Event: 20405.012.001.1856.00 / West Vermont PRP |
| Purged by: G. Roussos | Date: / Weather: |
| Measurement Reference Point: top of well casing | Sample Number: |
| Static Water Level: 20.27 / Well Depth: 45.33 | Well Screen Interval: 40-45 / Initial Time: / Final Time: |
| Casing Diameter: / 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 |
|---|---|---|---|---|---|---|---|---|---|
| 1521 ~~1621~~ | 19.60 | — | — | | | | | — | start |
| 1523 ~~1623~~ | 20.04 | 7.20 | 20.53 | 816 | -251.3 | 5.75 | err | 200 | |
| 1535 ~~1635~~ | 22.65 | 7.00 | 18.33 | 790 | -270.0 | 0.27 | err | 150 | |
| 1545 ~~1645~~ | 23.80 | 7.01 | 18.61 | 782 | -284.8 | 0.33 | err | 150 | emptied flow cell |
| 1555 ~~1655~~ | 24.70 | 6.96 | 19.04 | 767 | -288.5 | 0.52 | err | 100 | |
| 1600 | 25.04 | 6.95 | 19.38 | 759 | -272.5 | 0.76 | err | 100 | |
| 1605 | 25.40 | 6.96 | 19.34 | 752 | -266.6 | 0.91 | err | 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 |
|---|---|---|---|---|---|---|---|---|---|
| 1610 | 25.70 | 6.94 | 19.35 | 749 | -264.9 | 0.96 | err | 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: WES-MW-01A | Site / Sampling Event: 20405.012.001.1856.00 / West Vermont PRP |
| Purged by: G. Roussos | Date: 7/11/13 |
| Weather: | |
| Measurement Reference Point: top of well casing | Sample Number: |
| Static Water Level: 20.82 | Well Depth: 29.05 |
| 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 |
|---|---|---|---|---|---|---|---|---|---|
| 1710 | 20.85 | — | — | — | — | — | — | — | start |
| 1712 | 20.85 | 7.11 | 19.40 | 772 | -157.3 | 7.90 | OVR | 250 | |
| 1720 | 20.85 | 6.97 | 16.17 | 714 | -137.1 | 0.94 | 366 | 275 | emptied flow cell |
| 1730 | 20.85 | 7.05 | 15.85 | 694 | -121.4 | 0.83 | 151 | 275 | |
| 1735 | 20.85 | 7.05 | 15.80 | 690 | -121.2 | 0.79 | 110 | 275 | |
| 1740 | 20.85 | 7.05 | 15.81 | 690 | -118.3 | 0.76 | 55.9 | 275 | |
| 1745 | 20.85 | 7.07 | 15.74 | 685 | -111.5 | 0.70 | 32.2 | 275 | |
| 1750 | 20.85 | 7.07 | 15.70 | 682 | -114.2 | 0.68 | 23.4 | 275 | |
| 1755 | 20.85 | 7.06 | 15.74 | 680 | -111.9 | 0.66 | 18.9 | 275 | |
| 1800 | 20.85 | 7.07 | 15.72 | 677 | -111.5 | 0.64 | 17.3 | 275 | |
| | | | | | | | | | |
| | | | | | | | | | |
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| | | | | | | | | | |

| 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 |
|---|---|---|---|---|---|---|---|---|---|
| 1805 | 20.85 | 7.07 | 15.79 | 677 | -110.3 | 0.70 | 16.6 | 275 | |

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 B | Site / Sampling Event: 20405.012.001.1856.00 / West Vermont PRP |
| Purged by: G. Roussos | Date: / Weather: |
| Measurement Reference Point: top of well casing | Sample Number: |

| Static Water Level: | Well Depth: | Well Screen Interval: | Initial Time: | Final Time: |
|---|---|---|---|---|
| 21.86 | 35.92 | | | |

| Casing Diameter: | Bore Volume: | Pump Type: | Depth to Pump: | Filtered Sample: |
|---|---|---|---|---|
| | | QED Bladder Pump | 34 | |

1805

| 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 |
|---|---|---|---|---|---|---|---|---|---|
| 1826 | 20.96 | — | — | — | — | — | — | — | start |
| 1834 | 20.96 | 7.12 | 17.20 | 814 | -106.3 | 1.43 | err | 225 | |
| 1845 | 20.96 | 7.10 | 16.41 | 776 | -95.3 | 1.36 | 54.1 | 225 | |
| 1850 | 20.96 | 7.11 | 16.25 | 789 | -95.8 | 1.33 | 31.1 | 225 | |
| 1855 | 20.96 | 7.11 | 16.23 | 795 | -96.0 | 1.36 | 18.9 | 225 | |
| 1900 | 20.96 | 7.11 | 16.18 | 798 | -96.3 | 1.35 | 13.8 | 225 | |
| 1905 | 20.96 | 7.11 | 16.19 | 799 | -95.8 | 1.29 | 12.3 | 225 | |

| 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 |
|---|---|---|---|---|---|---|---|---|---|
| 1910 | 20.96 | 7.11 | 16.18 | 799 | -96.4 | 1.26 | 9.87 | 225 | |

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-01 C | Site / Sampling Event: 20405.012.001.1856.00 / West Vermont PRP |
| Purged by: G. Roussos | Date: / Weather: |
| Measurement Reference Point: top of well casing | Sample Number: |
| Static Water Level: 20.71 / Well Depth: 54.35 | 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 |
|---|---|---|---|---|---|---|---|---|---|
| 1931 | 20.20 | — | — | — | — | — | — | — | start |
| 1933 | — | 7.53 | 18.30 | 465 | -120.0 | 4.03 | err | 250 | |
| 1940 | 23.45 | 7.12 | 16.45 | 594 | -116.4 | 1.77 | 272 | 200 | emptied flowcell |
| 1950 | 23.70 | 7.15 | 16.62 | 589 | -109.5 | 1.66 | 110 | 200 | |
| 1955 | 23.89 | 7.17 | 16.58 | 596 | -109.0 | 1.65 | 53.2 | 200 | |
| 2000 | 24.04 | 7.20 | 16.53 | 602 | -115.0 | 1.60 | 34.0 | 200 | |
| 2005 | 24.17 | 7.22 | 16.49 | 604 | -117.8 | 1.55 | 11.4 | 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 |
|---|---|---|---|---|---|---|---|---|---|
| 2010 | 24.32 | 7.23 | 16.49 | 604 | -127.3 | 1.56 | 8.45 | 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: