FIGURE 1 - LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Date/Time of Sample Collection: 2/6/15 / 1200 Project Site/Subsite: West Vermont/Olinfalk
Sample ID: E5BH3 CLP Lab #
Field ID: MW-10 Point Name: WVS-10
Depth to Well Bottom: 45.35 ft. below top of casing (PVC cap)
Depth to Water Level: 12.06 ft. below PVC cap
Depth to Water Level: 12.06 ft. below PVC cap prior to sampling
Method of Purging: Bladder Pump X Submersible Pump ____
Peristaltic Pump ____
Minimum Purge Volume: 2-inch well ____Liters / 4-inch well ____Liters
Control Box Settings: Box # _____ Refill _____ Discharge _____
Throttle _____ psi
Total Purged: _____ Liters (Purge Rate goal = 0.5 Liters/Min.)
Actual Purge Rate: _____ Liters/Min.

GPS 39°.77767504 N; -86°.22573613 W

Purge Calculations

PHYSIO-CHEMICAL PARAMETERS DURING PURGING

Measure in order listed**	Initial Reading									Stabilization Criteria	Final
Time	1130	1135	1140	1145	1150	1155	1200				
pH	5.87	5.99	6.00	6.55	6.53	6.55	6.55			+/-0.1	
Temperature (°C)	10.08	10.19	11.03	11.05	11.03	11.12	11.10			NC*	
Specific Conductance (µmhos/cm)	0.920	.870	.865	.863	.900	.863	.863			+/-3%	
Turbidity (NTU)	—	—	—	—	—	—	—			+/-10%	
Dissolved Oxygen (mg/L)	.95	.90	.88	0.87	0.86	0.86	0.85			+/-10% or +/-0.3	
ORP (mV)	-2.6	-1.5	1.1	1.0	0.90	.99	.95			+/-10	
Each Volume Purged (L)	.5	.5									
Total Liters Purged	.5										

*NC = No Criteria. **Stabilization criteria listed should be used unless project-specific plans specify alternate stabilization criteria.

Duplicate Sample Collected? No (Yes) (Sample ID of Duplicate) E5BH5
MS/MSD Sample Collected? No (Yes)
Sample Remarks (odors, colors, sediment): Clear, Colorless No Odor
CLP Lab → Comments: CLP lab E5BH3; DUPE E5BH4; Trip Blank E5BH5; Equipment Blank E5BH6
#ID's
Sample(s) Collected By: KH
Pump System Purge Volume Calc: Length of tubing X 9.6 (ml/ft) + 130 (bladder volume) = Total required purge (liters) before collection of parameters

FIGURE 1 - LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Date/Time of Sample Collection: 2/6/15 / 1300 Project Site/Subsite: West Vermont / Olintank
Sample ID: E58 147 CLPlab #
Field ID: MW-11 Point Name: WVS-11
Depth to Well Bottom: 54.28 ft. below top of casing (PVC cap)
Depth to Water Level: 18.06 ft. below PVC cap
Depth to Water Level: 18.10 ft. below PVC cap prior to sampling
Method of Purging: Bladder Pump X Submersible Pump ____
Peristaltic Pump ____
Minimum Purge Volume: 2-inch well ____ Liters / 4-inch well ____ Liters
Control Box Settings: Box # _____ Refill _____ Discharge _____
Throttle _____ psi
Total Purged: _____ Liters (Purge Rate goal = 0.5 Liters/Min.)
Actual Purge Rate: _____ Liters/Min.

GPS 39°.778208 19N: -86°.226339 80 W

Purge Calculations

PHYSIO-CHEMICAL PARAMETERS DURING PURGING

Measure in order listed**	Initial Reading									Stabilization Criteria	Final
Time	1305	1310	1315	1320	1325	1330					1330
pH	6.10	6.35	6.40	6.41	6.41	6.42				+/-0.1	6.42
Temperature (°C)	6.55	6.67	6.66	6.70	6.70	6.71				NC*	6.71
Specific Conductance (µmhos/cm)	0.981	0.970	0.860	0.861	0.871	0.871				+/-3%	0.871
Turbidity (NTU)	—	—	—	—	-	—				+/-10%	—
Dissolved Oxygen (mg/L)	1.11	0.82	0.86	0.85	0.85	0.85				+/-10% or +/-0.3	0.85
ORP (mV)	-2.6	1.1	1.6	1.2	0.9	0.9				+/-10	0.9
Each Volume Purged (L)	.5										
Total Liters Purged											

*NC = No Criteria. **Stabilization criteria listed should be used unless project-specific plans specify alternate stabilization criteria.

Duplicate Sample Collected? No Yes (Sample ID of Duplicate) _____
MS/MSD Sample Collected? No Yes
Sample Remarks (odors, colors, sediment): Colorless Clear No odor detected
Comments: _____
Sample(s) Collected By: KH
Pump System Purge Volume Calc: Length of tubing X 9.6 (ml/ft) + 130 (bladder volume) = Total required purge (liters) before collection of parameters