HotZone

Area or Site ID:_____   Sampling location ID:_____

Sample ID:_____   Collection Time/Date:_____

Weather: _____   Sampling crew:_____

Purging Method/Equipment:_____   Project Number: _____

Well Information

Purge beginning time:_____   Purge completion time:_____

Initial (pre-installation) DTW (ft. BTOC):_____   Final (post-purging) DTW (ft. BTOC):_____

Post-installation DTW:_____   Max. sustainable pump rate (L/min):_____

Casing diameter (inches):_____   Appearance of product:_____

Screen Interval (ft. BTOC):_____ to _____   PID : _____ppm

Pump intake depth (ft BTOC):_____   LEL: LEL:_____%; Oxygen:_____%; Carbon:_____ppm

Total well depth from logs (ft. BTOC):_____   Total well depth (tagged after sampling):_____

Purging

Low Flow purge tubing volume calculations

Volume of Water in Tubing:

Bladder pump volume = _____ Gallons   Tubing Gal./ft = _____ Gallons/ft.

Discharge tubing length = _____ ft.   Discharge tube diameter: _____

Tubing volume (Gal)= (Tubing Gal/ft. x Tubing length) + Pump volume = (____ gal/ft x ___ft) + _____gal = _____ gal

Minimum purge volume: Tubing volume (gal) x 3 = _____gal x 3 = _____gal

Tubing volume (gal) x 5 = _____gal x 5 = _____gal

Monitoring well purge volume calculations

Volume of Water in Casing:

Gallons/foot = 0.041 x d^2, where d is casing diameter in inches = (0.041 x (_____)^2) = _____gal/ft

Well volume (gallons) = Water Column (ft) x Gal/ft = _____ft x _____Gal/ft = _____gallons

Volume of Water in Filter Pack:

Gallons/foot = 0.041 x (D^2 - d^2), where D is total borehole dia. In inches & d is casing dia. in inches

= 0.041 x ((_____)^2 - (_____)^2) = _____gal/ft

Filter Pack Volume (gal) = ((Screen Height + lesser of 2 ft or water column) x gal/ft) x porosity (0.3)

= ((Screen Height_____ft + _____ft) x _____gal/ft) x 0.3 = _____gallons

Well Purge Volume:

Well Purge Volume = Filter Pack Volume + Well Volume = _____gal + _____gal = _____gal X 3.785 L/gal = _____L

1 x Well Purge Volume	2 x Well Purge Volume	3 x Well Purge Volume	4 x Well Purge Volume	5 x Well Purge Volume

Water Quality Parameter Measurements

Time	DTW (ft. BTOC)	Purge Rate (L/min)	Purge Volume (L)	Temp. (C)	Conductivity (mS/cm)	ORP (mV)	pH (std units)	DO (mg/L)	Turbidiy (NTU)	TDS (g/L)

HotZone

GROUNDWATER SAMPLING FORM

HotZone Environmental, LLC

					Water Quality Parameter Measurements (continued)					
Time	DTW (ft. BTOC)	Purge Rate (L/min)	Purge Volume (L)	Temp. (C)	Conductivity (mS/cm)	ORP (mV)	pH (std units)	DO (mg/L)	Turbidity (NTU)	TDS (g/L)

Sampling

Sampling beginning time:_____   Sampling completion time:_____

Water Quality Parameter Measurements

Time	DTW (ft. BTOC)	Purge Rate (L/min)	Purge Volume (L)	Temp. (C)	Conductivity (mS/cm)	ORP (mV)	pH (std units)	DO (mg/L)	Turbidity (NTU)	TDS (g/L)

Sample Information

Sample ID:_____   Sample collection date/time:_____

Duplicate sample collected (Y/N):_____   Duplicate sample ID:_____

Split sample collected (Y/N):_____   Split sample ID:_____

Requested Analysis	Method	Containers	Requested Analysis	Method	Containers

Comments:

Abbreviations: BTOC - Below top of casing; DTW - Depth to water; H - head above pump intake; mL - milliliter; L - Liter;