Sampling Order – Pavillion, Wyoming Well MW01 – Continued

[EPA, U.S. Environmental Protection Agency; mL, milliliter; HCL, hydrochloric acid; mod, modified; ; SIM, selective ion monitoring; BTEX, the compounds benzene, toluene, ethyl benzene, and xylene ; MTBE, methyl tert- butyl ether; HNO3, nitric acid; H2SO4, sulfuric acid; NO_3, nitrate; NO_2, nitrite; NH_4, ammonia; N2, Nitrogen; Ar, Argon; CH4, methane; CO2, Carbon dioxide; O2, oxygen; d18O, delta-18 of oxygen representing the ratio of oxygen-18 to oxygen 16 isotopes; d2H, delta-2 of hydrogen represents the ratio of hydrogen-2 to hydrogen-1 isotopes; d13C of DIC, delta-13 of carbon of dissolved inorganic carbon.]

Laboratory Method	Method Description	Bottle Type/s	Processing	Preservation	Hold Time
Filtered Inorganics & Other Analyses					
EPA 9056	Anions	1-250 mL polyethylene bottle	filtered, 0.45 micron	Chill	48 hrs to 28 days[c]
	Alkalinity, hydroxide, bicarbonate, carbonate	1-500 mL polyethylene bottle	filtered	None	Field
Method 2540C	Total dissolved solids	1000 mL polyethylene bottle	filtered, 0.45 micron	Chill	7 days[a]
N/A	$\delta^{13}C$ DIC	3-40mL glass vials	Filtered, 25mm polysulfone GD/X filter	chill	90 days
LC 3212	Carbon-14	1 - liter plastic coated glass with polyseal cone cap	0.45 micron capsule filter, no headspace	Chill, pH and Alkalinity required, Perform required test of sulfide[f]	?
EPA 350.1	Ammonia	1-500 mL polyethylene bottle	filtered, 0.45 micron	pH to <2 with H2SO4, chill	28 days[a]
EPA 353.2	Nutrients (NO_3 + NO_2) as N	1-500 mL polyethylene bottle	filtered, 0.45 micron	pH to <2 with H2SO4, chill	28 days[a]
EPA 6020, 6010B	Metals, filtered/Mercury, filtered	1-500 mL polyethylene bottle	filtered, 0.45 micron	pH to <2 with HNO3	6 months[a]/28 days[a]
EPA 365.1	Phosphorus, dissolved	1-250 mL Amber glass	filtered, 0.45 micron	pH to <2 with H2SO4, chill	28 days[a]
EPA 9060	Dissolved inorganic carbon	1-500 mL amber glass	filtered	Chill	14 days[a]
EPA 9060	Dissolved organic carbon	1-500 mL amber glass	filtered	pH to <2 with H2SO4, chill	28 days[a]
LC 794	Radium-226	2-1 liter acid rinsed polyethylene bottles	filtered, 0.45 micron	pH to <2 with HNO3	Half life 1600 year
LC 1364	Radium-228	2-1 liter acid rinsed polyethylene bottles	filtered, 0.45 micron	pH to <2 with HNO3	Half life 5.2 years
LC 1142	$\delta^{18}O$ and $\delta^{2}H$ isotopes	60 mL glass with polyseal cone cap	filtered, 0.45 micron	Ambient temperature	Indefinite

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