[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
Unfiltered Inorganics & Other Analyses					
EPA 9060	Total inorganic carbon	1-500 mL amber glass	unfiltered	Chill	14 days[a]
	Acid neutralizing capacity, hydroxide, bicarbonate, carbonate	1-500 mL polyethylene	unfiltered	None	Field
EPA 6020, 6010B	Metals, total/Mercury, total	1-500 mL polyethylene bottle	unfiltered	pH to <2 with HNO3	6 months[a]/28 days[a]
EPA 365.1	Phosphorus, Total	1-250 mL Amber glass	unfiltered	pH to <2 with H2SO4, chill	28 days[a]
EPA 9060	Total organic carbon	1-500 mL amber glass	unfiltered	pH to <2 with H2SO4, chill	28 days[a]
EPA 425.1	Methylene Blue Active Substances	1-500 mL polyethylene bottle	unfiltered	Chill	48 hours[d]
	Complete compositional gas analysis	1ooo mL glass septum bottle	unfiltered	bacteriocide capsule	3 months[a]
	$^{13}C/^{12}C$ ($d^{13}C$) and $^{2}H/^{1}H$ (dD) of gases	Can be taken from above bottle	unfiltered	bacteriocide capsule	3 months[a]
LC 1565	Tritium	1 - 1 Liter polyethylene bottle with polyseal cap	unfiltered	none	365 days
	Sulfur Hexaflouride	2 - Liter Amber safety glass	unfiltered	Keep in cooler, out of sun	180 days
	Chlorflourocarbons	4 - 125 mL clear glass with caps[e]	unfiltered	Ice	180 days
	Dissolved Gasses (N_2, Ar, CH_4, CO_2, O_2)	2 - 150 mL glass serum bottle	unfiltered	Ice	180 days
	Dissolved gasses (He, Ne, Ar, Kr, Xe)	2 - copper tubes	unfiltered	none	10 years
LC 1369	Radon-222	1-Radon sampling bottle	unfiltered	Scintillation cocktail solution	48 hours[d]
	Ferrous Iron	None	unfiltered	None	Field
	Sulfide	None	unfiltered	None	Field
	Dissolved oxygen, low range	None	unfiltered	None	Field

SIGNATURE

DISCLOSED TO AND UNDERSTOOD BY

DATE

WITNESS

DATE 5/3/12

DATE

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