

Table 6
Sample Containers, Analytical Methods, and Holding Times for Groundwater Samples
 Phase B Source Area Investigation Work Plan - Area III
 Tronox Facility - Henderson, Nevada
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Analyte	Method	Container (Minimum Volume)	Holding Time
Perchlorate	EPA 314.0	(1) 125-ml plastic bottle	28 days
Formaldehyde	EPA 8315A	(1) 1-liter amber glass/ no preservative	3 days
Hexavalent Chromium	EPA 218.6	(1) 250-ml plastic bottle w/buffer, field filtered	24 hours
Metals*	EPA 6010B / 6020	(1) 500-ml plastic bottle w/ HNO3	6 months
Organochlorine Pesticides	EPA 8081A	(1) 1-liter amber glass/ no preservative	7 days
PCBs as Aroclors	EPA 8082	(1) 1-liter amber glass/ no preservative	7 days
PCBs as congeners	EPA 1668A	(1) 1-liter amber glass/ no preservative	1 year
SVOCs	EPA 8270	(1) 1-liter amber glass/ no preservative	7 days
VOCs	EPA 8260B	(3) 40-ml VOA vials w/HCl	14 days
General Water Chemistry			
Alkalinity	SM 2320B	500-ml plastic no preservative	14 days
Ammonia	EPA 350.1	500-ml plastic w/H2SO4	28 days
Bromide	EPA 9056	125-ml plastic bottle/ no preservative	28 days
Chlorate	EPA 300.1	125-ml plastic bottle/ no preservative	28 days
Chloride	EPA 9056	** (2) liter plastic bottles	28 days
Cyanide	EPA 9012A	(1) 500-ml plastic bottle w/ NaOH	14 days
Electrical Conductivity	EPA 9050	125-ml plastic no preservative	28 days
Nitrate	EPA 9056	** Use same bottles	48 hours
Nitrite	EPA 9056	125-ml plastic no preservative	48 hours
pH	EPA 9040B	125-ml plastic no preservative	15 minutes
Phosphate	EPA 365.1	125-ml plastic bottle, no preservative	48 hours
Sulfate	EPA 9056	** Use same bottles	28 days
Surfactants (MBAS)	SM 5540C	125-ml plastic no preservative	48 hours
TDS	SM 2540C	125-ml plastic no preservative	28 days
Total Organic Carbon	EPA 9060	(2) 40-ml VOA vials w/H2SO4	28 days
TSS	SM 2540D	125-ml plastic no preservative	7 days
Radionuclides:			
Radium-226	EPA 903.1	(1) 1-liter poly bottle (must be full), Preservative pH <2 HNO3	6 months
Radium-228	EPA 904.0	(1) 1-liter poly bottle (must be full), Preservative pH <2 HNO3	6 months
Thorium (Isotopic)	EML HASL 300 Alpha Spec	(1) 1-liter poly bottle (must be full), Preservative pH <2 HNO3	6 months
Uranium (Isotopic)	EML HASL 300 Alpha Spec	(1) 1-liter poly bottle (must be full), Preservative pH <2 HNO3	6 months
Note:			
* Includes the metals listed on Table.			
** Chloride, Nitrate, Nitrite, Bromide, and Sulfate use same bottle for all these samples. Sample containers are (2) liter plastic bottles.			