

US EPA ARCHIVE DOCUMENT

APPENDIX D

Parameters and Analytical Methods

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Groundwater List
Eagle Project

Parameter	Analytical Method	Reporting Limit	Units
Metals/Inorganics			
Aluminum, Dissolved	USEPA-6010B	50	µg/L
Antimony, Dissolved	USEPA-6020	5.0	µg/L
Arsenic, Dissolved	USEPA-6020	2.0	µg/L
Barium, Dissolved	USEPA-6020	20	µg/L
Beryllium, Dissolved	USEPA-6020	1.0	µg/L
Boron, Dissolved	USEPA-6010B	100	µg/L
Cadmium, Dissolved	USEPA-6020	0.50	µg/L
Chromium, Dissolved	USEPA-6020	5.0	µg/L
Cobalt, Dissolved	USEPA-6010B	10	µg/L
Copper, Dissolved	USEPA-6020	5.0	µg/L
Iron, Dissolved	USEPA-6010B	20	µg/L
Lead, Dissolved	USEPA-6020	1.0	µg/L
Lithium, Dissolved	USEPA-6010B	8.0	µg/L
Manganese, Dissolved	USEPA-6010B	20	µg/L
Mercury, Dissolved	USEPA-1631E	0.25	ng/L
Molybdenum, Dissolved	USEPA-6020	10	µg/L
Nickel, Dissolved	USEPA-6020	25	µg/L
Selenium, Dissolved	USEPA-6020	1.0	µg/L
Silver, Dissolved	USEPA-6020	0.20	µg/L
Strontium, Dissolved	USEPA-6010B	50	µg/L
Zinc, Dissolved	USEPA-6020	10	µg/L
Major Anions			
Alkalinity, Bicarbonate	USEPA-310.1	2.0	mg/L
Alkalinity, Carbonate	USEPA-310.1	2.0	mg/L
Alkalinity, Total	USEPA-310.1	2.0	mg/L
Chloride	USEPA-325.2	1.0	mg/L
Fluoride	APHA 4500-F C	0.10	mg/L
Nitrogen, Ammonia	USEPA-350.1	0.020	mg/L
Nitrogen, Nitrate	USEPA-353.2	0.050	mg/L
Phosphorus, Total	USEPA-365.1	0.0100	mg/L
Sulfate	USEPA-375.4	2.0-5.0	mg/L
Sulfide	USEPA-376.1	1.0	mg/L
Major Cations			
Calcium, Dissolved	USEPA-6010B	0.50	mg/L
Magnesium, Dissolved	USEPA-6010B	0.50	mg/L
Potassium, Dissolved	USEPA-6010B	0.50	mg/L
Sodium, Dissolved	USEPA-6010B	0.50	mg/L
General Chemistry			
Hardness, (calculated) as CaCO ₃	Freeze and Cherry, 1979	3	mg/L
Residue, Dissolved @ 180°C	USEPA-160.1	20-50	mg/L