

Table 1 - Groundwater and Influent Monitoring

<u>Parameters</u>	<u>Units</u>	<u>Monitoring Frequency</u>	<u>US EPA or other Method</u>	<u>Reporting Frequency</u>
<u>Groundwater Elevation</u>	feet & hundredths, MSL ¹	Quarterly		Quarterly
<u>Field Parameters</u>				
Temperature	°F ²	Quarterly		Quarterly
Electrical Conductivity	umhos/cm ³	Quarterly		Quarterly
pH	pH units	Quarterly		Quarterly
<u>Monitoring Parameters</u>				
Total Dissolved Solids (TDS)	mg/l ⁴	Quarterly	160.1	Quarterly
Electrical Conductivity	umhos/cm	Quarterly	120.1	Quarterly
Boron, dissolved	mg/l	Quarterly	6010B	Quarterly
<u>Standard Minerals</u>				
Alkalinity as CaCO ₃	mg/l	Quarterly	310.1	Quarterly
Bicarbonate Alkalinity as CaCO ₃	mg/l	Quarterly	310.1	Quarterly
Carbonate Alkalinity as CaCO ₃	mg/l	Quarterly	310.1	Quarterly
Hydroxide Alkalinity as CaCO ₃	mg/l	Quarterly	310.1	Quarterly
Sulfate , dissolved	mg/l	Quarterly	300.0	Quarterly
Nitrate-N, dissolved	mg/l	Quarterly	300.0	Quarterly
Calcium, dissolved	mg/l	Quarterly	6010B	Quarterly
Magnesium, dissolved	mg/l	Quarterly	6010B	Quarterly
Sodium, dissolved	mg/l	Quarterly	6010B	Quarterly
Potassium	mg/l	Quarterly	6010B	Quarterly
Chloride	mg/l	Quarterly	300.0	Quarterly
<u>PAHs</u> ⁵	ug/l ⁶	Quarterly	8270	Quarterly
<u>Total Petroleum Hydrocarbons (TPH)</u>	ug/l	Quarterly	418.1	Quarterly
<u>Aromatic Hydrocarbons</u>				
Benzene	ug/l	Quarterly	8260B	Quarterly
Ethyl Benzene	ug/l	Quarterly	8260B	Quarterly
Toluene	ug/l	Quarterly	8260B	Quarterly

Table 1 - Groundwater and Influent Monitoring

<u>Parameters</u>	<u>Units</u>	<u>Monitoring Frequency</u>	<u>US EPA or other Method</u>	<u>Reporting Frequency</u>
M,p-Xylenes	ug/l	Quarterly	8260B	Quarterly
o-Xylene	ug/l	Quarterly	8260B	Quarterly
<u>Stable Isotopes</u>				
Oxygen (¹⁸ O)		Quarterly	900.0	Quarterly
Hydrogen (² H, deuterium [D])	pCi/L ⁷	Quarterly	900.0	Quarterly
<u>Radionuclides</u>				
Radium-226	pCi/L	Quarterly	SM ⁸ 7500-Ra	Quarterly
Radium-228	pCi/L	Quarterly	SM 7500-Ra	Quarterly
Gross Alpha particle (excluding radon and uranium)	pCi/L	Quarterly	SM 7110	Quarterly
Uranium	pCi/L	Quarterly	200.8	Quarterly
<u>Constituents of Concern</u>				
Lithium	mg/l	Quarterly	200.7	Quarterly
Strontium	mg/l	Quarterly	200.7	Quarterly
Iron	mg/l	Quarterly	200.8	Quarterly
Manganese	mg/l	Quarterly	200.8	Quarterly
Antimony	mg/l	Quarterly	200.8	Quarterly
Arsenic	mg/l	Quarterly	200.8	Quarterly
Barium	mg/l	Quarterly	200.8	Quarterly
Beryllium	mg/l	Quarterly	200.8	Quarterly
Cadmium	mg/l	Quarterly	200.8	Quarterly
Chromium (total)	mg/l	Quarterly	200.8	Quarterly
Chromium (hexavalent)	mg/l	Quarterly	7196A	Quarterly
Cobalt	mg/l	Quarterly	200.8	Quarterly
Copper	mg/l	Quarterly	200.8	Quarterly
Lead	mg/l	Quarterly	200.8	Quarterly
Mercury	mg/l	Quarterly	7470A	Quarterly

MONITORING AND REPORTING PROGRAM NO. R5-2015-XXXX
 VALLEY WATER MANAGEMENT COMPANY
 RACE TRACK HILL FACILITY
 FEE 34 FACILITY
 KERN COUNTY

Table 1 - Groundwater and Influent Monitoring				
<u>Parameters</u>	<u>Units</u>	<u>Monitoring Frequency</u>	<u>US EPA or other Method</u>	<u>Reporting Frequency</u>
Molybdenum	mg/l	Quarterly	200.8	Quarterly
Nickel	mg/l	Quarterly	200.8	Quarterly
Selenium	mg/l	Quarterly	200.8	Quarterly
Silver	mg/l	Quarterly	200.8	Quarterly
Thallium	mg/l	Quarterly	200.8	Quarterly
Vanadium	mg/l	Quarterly	200.8	Quarterly
Zinc	mg/l	Quarterly	200.8	Quarterly

- ¹ Mean Sea Level
- ² Fahrenheit
- ³ Micromhos per centimeter
- ⁴ Milligrams per liter
- ⁵ Polycyclic aromatic hydrocarbons
- ⁶ Micrograms per liter
- ⁷ Picocuries per liter
- ⁸ Standard Methods

