





**Lee Ranch 2020**

	Location:	SWM 9 UPPER		SWM 9 LOWER
	Work Order:	2008834-001C		2008834-001C
	Date Sampled:	8/13/2020		8/13/2020
<b>Units</b>	<b>Analyte</b>	<b>Result</b>	<b>Analyte</b>	<b>Result</b>
s.u.	Calcium	120	Total Dissolved Solids	390
µmhos/cm	Magnesium	31	Phosphorus, Total (As P)	5.0
mg/L	Potassium	31	pH	7.84
mg/L	Lead	0.10	Specific Conductance	290
mg/L	Arsenic	0.023	Bicarbonate (As CaCO3)	150.0
mg/L	Selenium	0.0098	Carbonate (As CaCO3)	< 2.000
mg/L	Mercury	0.00022	Total Alkalinity (as CaCO3)	150.0
mg/L	Sodium Absorption Ratio	0.75	Bromide	< 0.50
mg/L	Cadmium	< 0.0050	Chloride	< 2.5
mg/L	Sodium	35	Fluoride	< 0.50
mg/L	Manganese	3.8	Nitrogen, Nitrate (As N)	< 0.50
mg/L	Aluminum	100	Nitrogen, Nitrite (As N)	< 0.50
mg/L	Iron	100	Phosphorus, Orthophosphate (As P)	< 2.5
mg/L			Sulfate	6.5
mg/L			Suspended Solids	8500
mg/L			Sodium Absorption Ratio	0.72
mg/L			Iron	39
mg/L			Boron	< 0.20
mg/L			Calcium	110
mg/L			Magnesium	18
mg/L			Manganese	2.3
mg/L			Potassium	12
mg/L			Sodium	30
mg/L			Lead	0.099
mg/L			Arsenic	0.015
mg/L			Selenium	0.0073
mg/L			Mercury	0.00052
mg/L			Cadmium	< 0.0050
mg/L			Manganese	3.9
mg/L			Aluminum	55

ND=NON Detected at LOQ

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	<i>Units</i>	<i>Analyte</i>	<i>Result</i>	<i>Analyte</i>
s.u.	Total Dissolved Solids	320	Total Dissolved Solids	380
µmhos/cm	Phosphorus, Total (As P)	7.8	Phosphorus, Total (As P)	9.5
mg/L	pH	7.60	pH	7.44
mg/L	Specific Conductance	330	Specific Conductance	390
mg/L	Bicarbonate (As CaCO <sub>3</sub> )	154.3	Bicarbonate (As CaCO <sub>3</sub> )	182.4
mg/L	Carbonate (As CaCO <sub>3</sub> )	< 2.000	Carbonate (As CaCO <sub>3</sub> )	< 2.000
mg/L	Total Alkalinity (as CaCO <sub>3</sub> )	154.3	Total Alkalinity (as CaCO <sub>3</sub> )	182.4
mg/L	Bromide	< 0.50	Bromide	< 0.50
mg/L	Chloride	2.9	Chloride	2.5
mg/L	Fluoride	< 0.50	Fluoride	< 0.50
mg/L	Nitrogen, Nitrate (As N)	0.50	Nitrogen, Nitrate (As N)	< 0.50
mg/L	Nitrogen, Nitrite (As N)	< 0.50	Nitrogen, Nitrite (As N)	< 0.50
mg/L	Phosphorus, Orthophosphate (As P)	< 2.5	Phosphorus, Orthophosphate (As P)	< 2.5
mg/L	Sulfate	21	Sulfate	18
mg/L	Suspended Solids	14000	Suspended Solids	15000
mg/L	Sodium	2.0	Mercury	0.0018
mg/L	Iron	46	Arsenic	0.55
mg/L	Sodium Absorption Ratio	0.043	Lead	0.94
mg/L	Boron	< 0.20	Selenium	0.096
mg/L	Calcium	120	Boron	< 0.20
mg/L	Magnesium	27	Cadmium	< 0.010
mg/L	Manganese	2.5	Calcium	400
mg/L	Potassium	27	Magnesium	96
mg/L	Manganese	5.0	Potassium	56
mg/L	Lead	0.20	Sodium	< 5.0
mg/L	Arsenic	0.074	Manganese	8.1
mg/L	Selenium	0.022	Aluminum	140

mg/L	Mercury	0.00079	Iron	320
mg/L	Aluminum	200	Sodium Absorption Ratio	0.042
	Iron	290		
	Cadmium	< 0.0050		
ND=NON Detected at LOQ				

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	Work Order:	2008834-001C	2008834-001C	
	Date Sampled:	8/13/2020	8/13/2020	
<i>Units</i>	<i>Analyte</i>	<i>Result</i>	<i>Analyte</i>	<i>Result</i>
s.u.	Total Dissolved Solids		Total Dissolved Solids	420
µmhos/cm	Phosphorus, Total (As P)		pH	7.86
mg/L	pH		Specific Conductance	460
mg/L	Specific Conductance		Bicarbonate (As CaCO3)	137.4
mg/L	Bicarbonate (As CaCO3)		Carbonate (As CaCO3)	< 2.000
mg/L	Carbonate (As CaCO3)		Total Alkalinity (as CaCO3)	137.4
mg/L	Total Alkalinity (as CaCO3)		Bromide	< 0.50
mg/L	Bromide		Chloride	3.2
mg/L	Chloride		Fluoride	0.66
mg/L	Fluoride		Nitrogen, Nitrate (As N)	0.55
mg/L	Nitrogen, Nitrate (As N)		Nitrogen, Nitrite (As N)	< 0.50
mg/L	Nitrogen, Nitrite (As N)		Phosphorus, Orthophosphate (As P)	< 2.5
mg/L	Phosphorus, Orthophosphate (As P)		Sulfate	84
mg/L	Sulfate		Phosphorus, Total (As P)	5.9
mg/L	Suspended Solids		Suspended Solids	13000
mg/L	Sodium		Mercury	0.0018
mg/L	Iron		Arsenic	0.20
mg/L	Sodium Absorption Ratio		Selenium	0.053
mg/L	Boron		Lead	0.48
mg/L	Calcium		Boron	< 0.20
mg/L	Magnesium		Cadmium	< 0.010
mg/L	Manganese		Calcium	410
mg/L	Potassium		Magnesium	130
mg/L	Manganese		Potassium	66

mg/L	Lead	Sodium	37
mg/L	Arsenic	Manganese	7.4
mg/L	Selenium	Aluminum	270
mg/L	Mercury	Iron	430
mg/L	Aluminum	Sodium Adsorption Ratio	0.40
	Iron		
	Cadmium		
ND=NON Detected at LOQ			

<b>Location</b>	<b>San Migal Springs</b>	
Work Order		
LabID		
Date Sampled		
DateReceived		
<b>Location</b>	<b>San Migal Springs</b>	
Analyte		Result
pH		8.53
Electrical Conductivity		600
Total Dissolved Solids (180)		352
Total Alkalinity (as CaCO3)		315.8
Hardness (Ca/Mg As CaCO3)		170
Nitrate Nitrogen (As N)		ND
Nitrite Nitrogen (As N)		ND
Total Cyanide		ND
Total Recoverable Phenolics		ND
Sodium Adsorption Ratio		2.4
Bicarbonate as HCO3		301.8
Carbonate as CO3		14
Chloride		8.2
Fluoride		0.57
Nitrate+Nitrite as N		ND
Sulfate		12
Calcium		41
Magnesium		17
Potassium		2
Sodium		72
Gross Alpha (Dissolved)		1.32
Gross Beta (Dissolved)		1.41
Radium 226 (Dissolved)		-0.114
Radium 228 (Dissolved)		0.87

Dissolved Aluminum	ND
Dissolved Arsenic	0.0027
Dissolved Barium	0.1
Dissolved Boron	0.04
Dissolved Cadmium	ND
Dissolved Chromium	Nd
Dissolved Cobalt	ND
Dissolved Copper	ND
Dissolved Iron	ND
Dissolved Lead	ND
Dissolved Manganese	0.004
Dissolved Molybdenum	ND
Dissolved Nickel	ND
Dissolved Selenium	ND
Dissolved Silver	ND
Dissolved Vanadium	ND
Dissolved Zinc	0.015
Total Iron	ND
Total Manganese	0.0078
Total Mercury	Nd