

Certificate of Analysis

Sample ID: AEF3227-01
 Sampled By: Michael Scott
 Sample Description: Pump 1,225'-1,245'

Sample Date - Time: 06/30/2021 - 09:40
 Matrix: Ground Water
 Sample Type: Grab

CSA 30

**BSK Associates Laboratory Fresno
 General Chemistry**

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Bicarbonate as CaCO3	SM 2320 B	190	3.0	mg/L	1	AEG0010	07/01/21	07/01/21	
Chloride	EPA 300.0	20	1.0	mg/L	1	AEF1892	06/30/21	06/30/21	
Color, Apparent	SM 2120B	75	25	CU	5	AEF1415	06/30/21 20:19	06/30/21	
Color pH (1)	SM 4500-H+ B	7.9		pH Units	1	AEF1415	06/30/21	06/30/21	
Conductivity @ 25C	SM 2510B	870	1.0	umhos/cm	1	AEG0010	07/01/21	07/01/21	
Fluoride	EPA 300.0	ND	0.10	mg/L	1	AEF1892	06/30/21	06/30/21	
Hexavalent Chromium	EPA 218.7	ND	0.050	ug/L	1	AEG0402	07/08/21	07/08/21	
Nitrate as N	EPA 300.0	ND	0.23	mg/L	1	AEF1892	06/30/21 21:32	06/30/21	
Threshold Odor	SM 2150B	ND	1.0	T.O.N.	1	AEF1732	06/30/21 17:18	06/30/21	
pH (1)	SM 4500-H+ B	8.1	0.0	pH Units	1	AEG0010	07/01/21 10:01	07/01/21	
pH Temperature in °C		22.0							
Sulfate as SO4	EPA 300.0	240	1.0	mg/L	1	AEF1892	06/30/21	06/30/21	
Total Dissolved Solids	SM 2540C	600	5.0	mg/L	1	AEG0013	07/01/21	07/01/21	

Metals

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Arsenic - Dissolved (1)	EPA 200.8	ND	2.0	ug/L	1	AEG0023	07/01/21	07/07/21	
Calcium - Dissolved (1)	EPA 200.7	42	0.10	mg/L	1	AEG0023	07/01/21	07/06/21	
Iron - Dissolved (1)	EPA 200.7	ND	0.030	mg/L	1	AEG0023	07/01/21	07/06/21	
Magnesium - Dissolved (1)	EPA 200.7	24	0.10	mg/L	1	AEG0023	07/01/21	07/06/21	
Manganese - Dissolved (1)	EPA 200.7	0.034	0.010	mg/L	1	AEG0023	07/01/21	07/06/21	
Potassium - Dissolved (1)	EPA 200.7	3.7	2.0	mg/L	1	AEG0023	07/01/21	07/06/21	
Sodium - Dissolved (1)	EPA 200.7	110	1.0	mg/L	1	AEG0023	07/01/21	07/06/21	

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
EDB and DBCP by GC-ECD									
Ethylene Dibromide (EDB)	EPA 504.1	ND	0.020	ug/L	1	AEG0001	07/01/21	07/01/21	
Dibromochloropropane (DBCP)	EPA 504.1	ND	0.010	ug/L	1	AEG0001	07/01/21	07/01/21	
Surrogate: 1-Br-2-Nitrobenzene	EPA 504.1	114 %	Acceptable range: 70-130 %						
1,2,3-Trichloropropane by GC-MS SIM									
1,2,3-Trichloropropane	SRL 524M-TCP	ND	0.00070	ug/L	1	AEF1876	06/30/21	06/30/21	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

July 9, 2021

Lab ID : VI 2145138-001

Customer ID : 4-12674

Fresno County Public Works

Resources Div. Attn: Sebastian Artal

2220 Tulare, 6th Floor

Fresno, CA 93721

Sampled On : June 30, 2021-09:40

Sampled By : Michael Scott

Received On : July 1, 2021-10:03

Matrix : Ground Water

Description : Pump 1,225'-1,245'

Project : CSA 30 El Porvenir Well No.2

Sample Result - Radio

Constituent	Result ± Error	MDA	Units	MCL/AL	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
Radio Chemistry								
Gross Alpha (Dissolved)	4.49 ± 1.65	1.97	pCi/L		900.0	07/02/21-07:55 2P2107438	900.0	07/09/21-13:20 2A2110442

ND=Non-Detected. PQL=Practical Quantitation Limit. * PQL adjusted for dilution.

MDA = Minimum Detectable Activity (Calculated at the 95% confidence level) = Data utilized by DHS to determine matrix interference.

MCL / AL = Maximum Contamination Level / Action Level. Alpha's Action Level of 5 pCi/L is based on the Assigned Value (AV).

AV = Assigned Value(Gross Alpha Result + (0.84 x Error)). CCR Section 64442: Drinking Water Compliance Note: Do the following

If Gross Alpha's (AV) exceeds 5 pCi/L run Uranium. If Gross Alpha's (AV) minus Uranium exceeds 5 pCi/L run Radium 226.

Drinking Water Compliance:

Gross Alpha (AV) minus Uranium is less than or equal to 15 pCi/L

Uranium is less than or equal to 20 pCi/L

Radium 226 + Radium 228 is less than or equal to 5 pCi/L

Note: Samples are held for 3-6 months prior to disposal.