



**AEJ0878**

**General Chemistry**

CSA 32 Cantua Creek Well No. 2

**Certificate of Analysis**

**Sample ID:** AEJ0878-01  
**Sampled By:** Michael Scott  
**Sample Description:** Pump 760'-780'

**Sample Date - Time:** 10/08/2021 - 13:00  
**Matrix:** Ground Water  
**Sample Type:** Grab

**BSK Associates Laboratory Fresno  
 General Chemistry**

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Bicarbonate as CaCO3	SM 2320 B	210	3.0	mg/L	1	AEJ0577	10/11/21	10/11/21	
Bicarbonate as HCO3		260	3.7	mg/L					
Carbonate as CaCO3	SM 2320 B	ND	3.0	mg/L	1	AEJ0577	10/11/21	10/11/21	
Carbonate as CO3		ND	1.8	mg/L					
Chloride	EPA 300.0	33	1.0	mg/L	1	AEJ0508	10/09/21	10/09/21	
Color, Apparent	SM 2120B	100	100	CU	20	AEJ0366	10/08/21 19:15	10/08/21	
Color pH (1)	SM 4500-H+ B	7.9		pH Units	1	AEJ0366	10/08/21	10/08/21	
Conductivity @ 25C	SM 2510B	900	1.0	umhos/cm	1	AEJ0577	10/11/21	10/11/21	
Fluoride	EPA 300.0	0.13	0.10	mg/L	1	AEJ0682	10/12/21	10/12/21	
Hexavalent Chromium	EPA 218.7	ND	0.050	ug/L	1	AEJ0740	10/13/21	10/13/21	
Nitrate as N	EPA 300.0	0.30	0.23	mg/L	1	AEJ0508	10/09/21 23:01	10/09/21	
Threshold Odor	SM 2150B	ND	1.0	T.O.N.	1	AEI1547	10/08/21 17:52	10/08/21	
pH (1)	SM 4500-H+ B	7.9	0.0	pH Units	1	AEJ0577	10/11/21 17:31	10/11/21	
pH Temperature in °C		21.4							
Sulfate as SO4	EPA 300.0	250	1.0	mg/L	1	AEJ0508	10/09/21	10/09/21	
Total Dissolved Solids	SM 2540C	600	5.0	mg/L	1	AEJ0612	10/12/21	10/12/21	

**Metals**

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Arsenic - Dissolved (1)	EPA 200.8	ND	10	ug/L	5.0	AEJ0533	10/11/21	10/12/21	
Calcium	EPA 200.7	51	0.10	mg/L	1	AEJ0604	10/11/21	10/14/21	
Iron - Dissolved (1)	EPA 200.7	ND	150	ug/L	5.0	AEJ0533	10/11/21	10/12/21	
Magnesium	EPA 200.7	34	0.10	mg/L	1	AEJ0604	10/11/21	10/14/21	
Manganese - Dissolved (1)	EPA 200.7	130	50	ug/L	5.0	AEJ0533	10/11/21	10/12/21	
Potassium	EPA 200.7	3.0	2.0	mg/L	1	AEJ0604	10/11/21	10/14/21	
Sodium	EPA 200.7	110	1.0	mg/L	1	AEJ0604	10/11/21	10/14/21	

**Organics**

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
<b><u>EDB and DBCP by GC-ECD</u></b>									
Ethylene Dibromide (EDB)	EPA 504.1	ND	0.020	ug/L	1	AEJ0537	10/11/21	10/13/21	
Dibromochloropropane (DBCP)	EPA 504.1	ND	0.010	ug/L	1	AEJ0537	10/11/21	10/13/21	
Surrogate: 1-Br-2-Nitrobenzene	EPA 504.1	102 %	<i>Acceptable range: 70-130 %</i>						
<b><u>1,2,3-Trichloropropane by GC-MS SIM</u></b>									
1,2,3-Trichloropropane	SRL 524M-TCP	ND	0.00070	ug/L	1	AEJ0501	10/09/21	10/10/21	

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.

AEJ0878 FINAL 10182021 1644



October 19, 2021

Lab ID : VI 2148387-001

Customer ID : 4-18180

**Kenneth D. Schmidt & Assoc.**

600 W. Shaw Ave., Suite #250

Fresno, CA 93704

Sampled On : October 8, 2021-13:00

Sampled By : Michael Scott

Received On : October 11, 2021-10:09

Matrix : Ground Water

Description : Pump 760'-780'

Project : CSA 32 Cantua Creek Well No. 2

**Sample Result - Radio**

Constituent	Result ± Error	MDA	Units	MCL/AL	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
<b>Radio Chemistry</b>								
Gross Alpha	3.21 ± 1.34	1.67	pCi/L	15/5	900.0	10/12/21-08:00 2P2111797	900.0	10/19/21-11:10 2A2116286

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.