Table 1: Ground Water Well Usage within the San Mateo Creek Basin

GROUND WATER USAGE			TOTALS
Consumptive			2,213
	Single domestic wells [1]	203	
	Multiple domestic and community wells [1]	10	
	Municipal water supply wells [2]	2000	
Irrigation, sanitary, industrial, and stock wells			241
Other well usages	Including dewatering, exploration, mining, milling, oil, monitoring, no recorded use of right, observation, prospecting, construction, and no documented usage category		79

Notes:

[1] New Mexico Office of the State Engineer (OSE), 2011, New Mexico Water Rights Reporting System Database (Ref. 25).

[2] New Mexico Drinking Water Bureau, Safe Drinking Water Information System (SDWIS) Database.
The Village of Milan Community Water System serves an estimated population of 2,000 people. There are three active water supply wells.

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Table 2: Laboratory Analyses for General Chemistry, Total and Dissolved Metals, and Radiochemistry

Laboratory Analyses	General Geochemistry	Metals (total-unfiltered & dissolved-filtered) [1]	Radionuclides (total-unfiltered) [2]
Analytical Methods	EPA 160.1, 310.1 EPA 300.0, 340.2 EPA 353.2	ISM01.3 ICP-MS; SW-846/6010B; 200.8	EPA 900 series; 903.1; 904; 907; 910; ASTM D5072-92 for Radon
Analytes	TDS, HCO3, CO3 SO4, Cl, F NO3+NO2 Ca, K, Mg, Na	Al, As, Cu, Fe, Pb, Mo, Mn, Se, U (includes Ca, Cl, K, Mg, Na)	Gross Alpha, Ra-226, Ra-228, Th-227, Th-228, Th-230, Th-232, U-234, U-235, U-238 Rn(gas)

Notes:

[1] U.S. Environmental Protection Agency, Risk and Site Assessment Section (6SF-TR), 2013. Draft Human Health Risk Assessment, Homestake Mining Co. Superfund Site, Milan, Cibola County, New Mexico (Ref. 21)

[2] New Mexico Environment Department, Ground Water Quality Bureau, Superfund Oversight Section, 2007. Summary report on 2005-2006 residential well sampling within the vicinity of the Homestake Mining Company Uranium Mill Superfund Site, CERCLIS # NMD007860935, Cibola County, New Mexico (Ref 11)

Analyte	CAS.NO	Units	National Primary Drinking Water Standard Maximum Contaminant Level (MCL)	New Mexico Water Quality Control Commission (NMWQCC)	LSM-7 10/8/2014	LSM-9 10/8/2014	LSM-10 10/7/2014	LSM-12 10/7/2014	LSM-24 10/7/2014	LSM-32 10/9/2014	LSM-34 10/7/2014	LSM-35 10/7/2014	LSM-36 10/6/2014	LSM-41 10/9/2014	LSM-42 10/8/2014	LSM-43 10/6/2014	LSM-44 10/6/2014	LSM-45 10/6/2014	LSM-80FD 10/6/2014	LSM-46 10/8/2014	LSM-47 10/7/2014	LSM-49 10/7/2014	LSM-85FD 10/7/2014	LSM-50 10/9/2014	LSM-51 10/8/2014	LSM-52 10/8/2014	LSM-53 10/8/2014	LSM-56 10/8/2014	LSM-58 10/8/2014	LSM-60 1/7/2015	LSM-61 1/7/2015	LSM-62 1/7/2015
Dissolved Metals																																
Aluminum	7429-90-5	mg/L	NA	0.1	0.5 U	0.3 U	0.2 U	0.2 U	0.1 U	0.2 U	0.3 U	0.2 U	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U	0.3 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3 U	0.2 U	0.1 U	0.01 U	0.01 U	0.01 U
Antimony	7440-36-0	mg/L	NA	NP	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.001 U	0.001 U	0.001 U
Arsenic	7440-38-2	mg/L	NA	NP	0.002 U	0.002 U	0.002 U	**0.0007**	0.002 U	0.002 U	**0.0342**	0.002 U	**0.0148**	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	**0.0077**	0.002 U	0.002 U	0.002 U	0.002 U	**0.0181**	0.002 U	0.002 U	0.002 U	**0.002**	**0.004**	**0.002**
Barium	7440-39-3	mg/L	NA	1	0.05 U	0.03 U	0.02 U	**0.0222**	**0.0309**	0.02 U	0.03 U	0.02 U	**0.0265**	0.02 U	0.02 U	**0.0314**	**0.0237**	**0.0365**	**0.0359**	0.02 U	0.03 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.03 U	0.02 U	**0.0298**	0.1 U	0.1 U	0.1 U
Beryllium	7440-41-7	mg/L	NA	NP	0.025 U	0.015 U	0.01 U	0.01 U	0.005 U	0.01 U	0.015 U	0.01 U	0.01 U	0.01 U	0.01 U	0.005 U	0.005 U	0.005 U	0.005 U	0.01 U	0.015 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.015 U	0.01 U	0.005 U	0.001 U	0.001 U	0.001 U
Boron	7440-42-8	mg/L	NA	NP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1.8**	**0.07**	**0.27**
Cadmium	7440-43-9	mg/L	NA	0.01	0.025 U	0.015 U	0.01 U	0.01 U	0.005 U	0.01 U	0.015 U	0.01 U	0.01 U	0.01 U	0.01 U	0.005 U	0.005 U	0.005 U	0.005 U	0.01 U	0.015 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.015 U	0.01 U	0.005 U	0.001 U	0.001 U	0.001 U
Calcium	7440-70-2	mg/L	NA	NP	**12.3**	**8.45**	**9.11**	**9.88**	**131**	**226 J**	**362**	**143**	**1.53**	**6.24**	**113**	**76.9**	**81.8**	**140**	**141**	**192**	**3.06**	**140**	**141**	**193**	**203**	**416**	**315**	**478**	**74.6**	**15**	**85**	**510**
Chromium	7440-47-3	mg/L	NA	0.05	0.05 U	0.03 U	0.02 U	0.02 U	0.01 U	0.02 U	0.03 U	0.02 U	0.02 U	0.02 U	0.02 U	0.01 U	0.01 U	0.01 U	0.01 U	0.02 U	0.03 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.03 U	0.02 U	0.01 U	**0.001**	0.001 U
Cobalt	7440-48-4	mg/L	NA	NP	0.1 U	0.06 U	0.04 U	0.04 U	0.02 U	0.04 U	0.06 U	0.04 U	0.04 U	0.04 U	0.04 U	0.02 U	0.02 U	0.02 U	0.02 U	0.04 U	0.06 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.06 U	0.04 U	0.02 U	0.001 U	0.001 U	0.001 U
Copper	7440-50-8	mg/L	NA	1	0.1 U	0.06 U	0.04 U	0.04 U	0.02 U	0.04 U	0.06 U	0.04 U	0.04 U	0.04 U	0.04 U	0.02 U	0.02 U	0.02 U	0.02 U	0.04 U	0.06 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.06 U	0.04 U	0.02 U	0.01 U	0.01 U	0.01 U
Iron	7439-89-6	mg/L	NA	1	0.125 U	0.075 U	0.05 U	0.05 U	**0.0422**	**0.267**	0.075 U	**0.896**	0.05 U	0.05 U	**0.362**	0.025 U	0.025 U	0.025 U	0.025 U	0.05 U	0.075 U	0.05 U	0.05 U	0.05 U	**0.043**	0.05 U	**0.192**	0.05 U	**0.101**	0.05 U	0.05 U	**0.087**
Lead	7439-92-1	mg/L	NA	0.05	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.003 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.001 U	0.001 U	0.001 U
Magnesium	7439-95-4	mg/L	NA	NP	**1.18**	**2.45**	**2.61**	**2.16**	**36.3**	**55.5**	**70.1**	**30.5**	0.3 U	**4.56**	**39.7**	**30.3**	**27.4**	**40.2**	**40.2**	**63.2**	0.45 U	**42.3**	**42.7**	**56.5**	**65.2**	**117**	**74.9**	**132**	**8.06**	**1.8**	**15**	**150**
Manganese	7439-96-5	mg/L	NA	0.2	0.025 U	0.015 U	0.01 U	0.01 U	**0.0519**	**0.0133**	0.015 U	**0.0691**	0.01 U	0.01 U	**0.0737**	0.005 U	0.005 U	0.005 U	0.005 U	0.01 U	0.015 U	0.01 U	0.01 U	0.01 U	**0.0236**	0.01 U	0.015 U	0.01 U	**0.037**	**0.008**	**0.062**	**0.017**
Mercury	7439-97-6	mg/L	NA	0.002	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Molybdenum	7439-98-7	mg/L	NA	NP	**0.0464**	**0.0026**	**0.0023**	**0.0032**	0.002 U	0.002 U	**0.0036**	0.002 U	**0.0164**	**0.0145**	0.002 U	**0.003**	**0.0022**	0.002 U	0.002 U	0.002 U	**0.0095**	0.002 U	0.002 U	**0.0661**	**0.0073**	**0.0123**	0.002 U	0.002 U	**0.007**	**0.026**	0.001 U	**0.003**
Nickel	7440-02-0	mg/L	NA	NP	0.1 U	0.06 U	0.04 U	0.04 U	0.02 U	0.04 U	0.06 U	0.04 U	0.04 U	0.04 U	0.04 U	0.02 U	0.02 U	0.02 U	0.02 U	0.04 U	0.06 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.06 U	0.04 U	0.02 U	0.01 U	0.01 U	**0.014**
Potassium	7440-09-7	mg/L	NA	NP	5 U	**4.19 J**	**5.52 J**	**4.71 J**	**7.26 J**	**7.94 J**	**14.8 J**	**4.68 J**	2 U	**5.45 J**	**9.45 J**	**3.74 J**	**4.05 J**	**7.25 J**	**7.08 J**	**17.7 J**	3 U	**11.1 J**	**11.2 J**	**12.5 J**	**16.3 J**	**16.1 J**	**11.1 J**	**11.1 J**	**5.7 J**	NA	**5**	**7**
Selenium	7782-49-2	mg/L	NA	0.05	0.004 U	**0.0164**	**0.023**	**0.017**	**0.012**	**0.0099**	**0.018**	**0.0229**	0.005 U	**0.0142**	0.004 U	**0.0081**	**0.0099**	**0.014**	**0.0139**	**0.0095**	**0.0359**	**0.009**	**0.0091**	**0.0267**	**0.0192**	**0.252**	**0.0449**	**0.0205**	0.004 U	0.005 U	**0.064**	**0.006**
Silver	7440-22-4	mg/L	NA	0.05	0.05 U	0.03 U	0.02 U	0.02 U	0.01 U	0.02 U	0.03 U	0.02 U	0.02 U	0.02 U	0.02 U	0.01 U	0.01 U	0.01 U	0.01 U	0.02 U	0.03 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.03 U	0.02 U	0.01 U	0.001 U	0.001 U	0.001 U
Sodium	7440-23-5	mg/L	NA	NP	**1050 J**	**307 J**	**351 J**	**362 J**	**88.8 J**	**353 J**	**483 J**	**421 J**	**307 J**	**213 J**	**211 J**	**44.9 J**	**50.8 J**	**111 J**	**110 J**	**269 J**	**497 J**	**312 J**	**313 J**	**372 J**	**380 J**	**725 J**	**569 J**	**339 J**	**38.5 J**	**681**	**58**	NA
Thallium	7440-28-0	mg/L	NA	NP	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.001 U	0.001 U	0.001 U
Total Hardness	TH	mg/L	NP	NP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1900**
Uranium	7440-61-1	mg/L	NA	0.03	0.002 U	**0.0163**	**0.0159**	**0.0161**	**0.0091**	**0.0662**	**0.238**	**0.0065**	**0.0411**	0.002 U	**0.0071**	**0.0049**	**0.0038**	**0.0127**	**0.0126**	**0.0214**	**0.0298**	**0.0695**	**0.0691**	**0.154**	**0.0571**	**0.224**	**0.0624**	**0.0213**	**0.0234**	**0.042**	**0.00**	**0.017**
Vanadium	7440-62-2	mg/L	NA	NP	0.1 U	0.06 U	0.04 U	0.04 U	0.02 U	0.04 U	0.06 U	0.04 U	**0.308**	0.04 U	0.04 U	0.02 U	0.02 U	0.02 U	0.02 U	0.04 U	0.06 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.06 U	0.04 U	0.02 U	**0.008**	0.001 U	0.001 U
Zinc	7440-66-6	mg/L	NA	10	0.1 U	0.06 U	0.04 U	0.04 U	**0.0719**	**0.217**	0.06 U	0.04 U	0.04 U	0.04 U	**0.0669**	0.02 U	0.02 U	0.02 U	0.02 U	0.04 U	0.06 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	**0.546**	0.04 U	0.02 U	0.01 U	**0.013**	**0.1**
General Chemistry																																
Estimated Alkalinity	ALK	mg/L	NP	NP	1169	498	534	**253**	**260**	780	526	332	**280**	371	529	**212**	**208**	382	385	619	702	629	634	888	787	527	824	0	248	**377 A**	**259 A**	**168 A**
Estimated Bicarbonate	Bicarbonate	mg/L	NP	NP	1169	498	534	NA	NA	780	526	332	NA	371	529	NA	NA	382	385	619	702	629	634	888	787	527	824	0	248	**371**	**259**	**168**
Calcium	7440-70-2	mg/L	NP	NP	**12.3**	**8.45**	**9.11**	**9.88**	**131**	**226 J**	**362**	**143**	**1.53**	**6.24**	**113**	**76.9**	**81.8**	**140**	**141**	**192**	**3.06**	**140**	**141**	**193**	**203**	**416**	**315**	**478**	**74.6**	**15**	**85**	**510**
Carbonate	Carbonate	mg/L	NP	NP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**5.84**	**0**	**0**
Chloride	16887-00-6	mg/L	NP	250	**476**	**45**	**49**	**50**	**26**	**172**	**34**	**49**	**64**	**46**	**54**	**80**	**48**	**34**	**38**	**151**	**45**	**138**	**138**	**146**	**178**	**567**	**236**	**45**	5 U	**444**	**16**	**49.8**
Fluoride	16984-48-8	mg/L	NP	1.6	**1.82**	**0.93**	**0.89**	**0.93**	**0.34**	0.25 U	0.25 U	0.25 U	**1.72**	**0.73**	0.25 U	**0.37**	**0.35**	**0.3**	**0.26**	0.25 U	**1.49**	**0.56**	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	**0.51**	**0.49**	**1.42 A**	**0.14 A**	**0.45 A**
Iron	7439-89-6	mg/L	NP	NP	0.125 U	0.075 U	0.05 U	0.05 U	**0.0422**	**0.267**	0.075 U	**0.896**	0.05 U	0.05 U	**0.362**	0.025 U	0.025 U	0.025 U	0.025 U	0.05 U	0.075 U	0.05 U	0.05 U	0.05 U	**0.043**	0.05 U	**0.192**	0.05 U	**0.101**	0.05 U	0.05 U	**0.087**
Magnesium	7439-95-4	mg/L	NP	NP	**1.18**	**2.45**	**2.61**	**2.16**	**36.3**	**55.5**	**70.1**	**30.5**	0.3 U	**4.56**	**39.7**	**30.3**	**27.4**	**40.2**	**40.2**	**63.2**	0.45 U	**42.3**	**42.7**	**56.5**	**65.2**	**117**	**74.9**	**132**	**8.06**	**1.8**	**15**	**150**
Manganese	7439-96-5	mg/L	NP	NP	**0.0273**	0.015 U	0.01 U	0.01 U	**0.0567**	**0.012**	**0.0152**	**0.104**	0.01 U	0.01 U	**0.0799**	0.005 U	0.005 U	0.005 U	0.005 U	0.01 U	0.015 U	0.01 U	0.01 U	0.01 U	**0.024**	0.01 U	**0.0152**	0.01 U	**0.0376**	**0.007**	**0.053**	**0.018**
Nitrate as N	14797-65-0	mg/L	1	10	**0.02**	**1.9**	NA	**5.17**	**3.6**	**1.43**	**17**	NA	**16**	0 U	0 U	**3.32**	**2.87**	NA	**5.17**	**3.74**	NA	**1.43**	**1.48**	**1.94**	**1.66**	**16.4**	**3.54**	**17.2**	**0.02**	NA	NA	NA
Nitrate+Nitrite as N	14797-65-0	mg/L	1	NP	0.04 U	**1.89**	**1.94**	**5.16**	**3.62**	**1.43**	**17**	**1.04**	**16**	0.04 U	0.04 U	**3.31**	**2.86**	**3.72**	**3.69**	**3.74**	**0.58**	**1.42**	**1.47**	**1.94**	**1.67**	**16.4**	**3.53**	**17.2**	0.04 U	**0.69**	**1.16**	**15**
Nitrite as N	14797-65-0	mg/L	1	NP	0.0006 U	0.0006 U	NA	0.0006 U	0.0006 U	0.0006 U	0.0006 U TQ03	NA	0.0006 U	0.0006 U	0.0006 U TQ02	0.0006 U	0.0006 U	NA	NA	0.0006 U TQ02	NA	0.0006 U TQ03	0.0006 U	0.0006 U	0.0006 U TQ02	0.0006 U	0.0006 U	0.0006 U	0.0006 U	NA	NA	NA
pH	C-006	pH Units	6.5-8.5	6-9	**8.1**	**7.9**	**8.06**	**8.08**	**7.43**	**7.19**	**7.27**	**7.64**	**8.73**	**8.6**	**7.01**	**7.27**	**7.31**	**7.37**	**7.74**	**7.02**	**8.64**	**7.19**	**7.17**	**7.14**	**7.01**	**7.32**	**7.1**	**7.15**	**7.46**	**8.37**	**7.97**	**7.63**
Potassium	7440-09-7	mg/L	NP	NP	5 U	**4.19 J**	**5.52 J**	**4.71 J**	**7.26 J**	**7.94 J**	**14.8 J**	**4.68 J**	2 U	**5.45 J**	**9.45 J**	**3.74 J**	**4.05 J**	**7.25 J**	**7.08 J**	**17.7 J**	3 U	**11.1 J**	**11.2 J**	**12.5 J**	**16.3 J**	**16.1 J**	**11.1 J**	**11.1 J**	**5.7 J**	NA	**5**	**7**
Sodium	7440-23-5	mg/L	NP	NP	**1050 J**	**307 J**	**351 J**	**362 J**	**88.8 J**	**353 J**	**483 J**	**421 J**	**307 J**	**213 J**	**211 J**	**44.9 J**	**50.8 J**	**111 J**	**110 J**	**269 J**	**497 J**	**312 J**	**313 J**	**372 J**	**380 J**	**725 J**	**569 J**	**339 J**	**38.5 J**	**681**	**58**	NA
Sulfate	14808-79-8	mg/L	250	600	**648**	**213**	**274**	**249**	**303**	**649**	**1670**	**994**	**90**	**112**	**347**	**143**	**180**	**374**	**372**	**590**	**420**	**475**	**478**	**567**	**685**	**1790**	**1270**	**2380**	**91**	**664**	**100**	**2030**
Total Dissolved Solids	TDS	mg/L	500	1000	**2290**	**820**	**828**	**840**	**840**	**2500**	**2940**	**1900**	**772**	**790**	**1180**	**490**	**526**	**916**	**1110**	**1660**	**1300**	**1430**	**1430**	**2300**	**1960**	**3930**	**2870**	**3430**	**322**	**2080**	**444**	**3340**
Total Hardness	TH	mg/L	NP	NP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1900**

Total Metals																																	
Aluminum	7429-90-5	mg/L	NP	NA	0.5 U	0.3 U	0.2 U	0.2 U	0.1 U	0.2 U	0.3 U	**0.571**	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U	0.3 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3 U	0.2 U	0.1 U	**0.019**	**0.02**	0.01 U
Antimony	7440-36-0	mg/L	0.006	NA	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
Arsenic	7440-38-2	mg/L	0.01	NA	0.002 U	0.002 U	**0.0024**	**0.0035**	0.002 U	0.002 U	**0.0349**	0.002 U	**0.0137**	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	**0.0021**	0.002 U	0.002 U	**0.0067**	0.002 U	0.002 U	**0.0021**	0.002 U	0.002 U	**0.0161**	0.002 U	0.002 U	**0.001**	**0.003**	0.001 U
Barium	7440-39-3	mg/L	2	NA	0.05 U	0.03 U	**0.0204**	**0.0209**	**0.0314**	0.02 U	0.03 U	**0.0203**	**0.0272**	0.02 U	0.02 U	**0.0312**	**0.0262**	**0.037**	**0.0158**	0.02 U	0.03 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.03 U	0.02 U	0.02 U	**0.0311**	0.1 U	0.1 U	0.1 U
Beryllium	7440-41-7	mg/L	0.004	NA	0.025 U	0.015 U	0.01 U	0.01 U	0.005 U	0.01 U	0.015 U	0.01 U	0.01 U	0.01 U	0.01 U	0.005 U	0.005 U	0.005 U	0.005 U	0.01 U	0.015 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.015 U	0.01 U	0.01 U	0.005 U	0.001 U	0.001 U	0.001 U
Boron	7440-42-8	mg/L	NP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1.6**	**0.07**	**0.28**	
Cadmium	7440-43-9	mg/L	0.005	NA	0.025 U	0.015 U	0.01 U	0.01 U	0.005 U	0.01 U	0.015 U	0.01 U	0.01 U	0.01 U	0.01 U	0.005 U	0.005 U	0.005 U	0.005 U	0.01 U	0.015 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.015 U	0.01 U	0.01 U	0.005 U	0.001 U	0.001 U	0.001 U
Calcium	7440-70-2	mg/L	NP	NA	**11.5**	**8.47**	**9.38**	**9.21**	**128**	**223**	**362**	**153**	**1.57**	**6.06**	**123**	**77.9**	**85.6**	**147**	**140**	**199**	**3.17**	**138**	**138**	**195**	**208**	**418**	**308**	**456**	**72.3**	**13**	**76**	**520**
Chromium	7440-47-3	mg/L	0.1	NA	0.05 U	0.03 U	0.02 U	0.02 U	0.01 U	0.02 U	0.03 U	0.02 U	0.02 U	0.02 U	0.02 U	0.01 U	0.01 U	0.01 U	0.01 U	0.02 U	0.03 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.03 U	0.02 U	0.01 U	0.001 U	0.001 U	0.001 U	0.001 U
Cobalt	7440-48-4	mg/L	NP	NA	0.1 U	0.06 U	0.04 U	0.04 U	0.02 U	0.04 U	0.06 U	0.04 U	0.04 U	0.04 U	0.04 U	0.02 U	0.02 U	0.02 U	0.02 U	0.04 U	0.06 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.06 U	0.04 U	0.02 U	0.001 U	0.001 U	0.001 U	0.001 U
Copper	7440-50-8	mg/L	1.3	NA	0.1 U	0.06 U	0.04 U	0.04 U	0.02 U	0.04 U	0.06 U	0.04 U	0.04 U	0.04 U	0.04 U	0.02 U	0.02 U	0.02 U	0.02 U	0.04 U	0.06 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.06 U	0.04 U	0.02 U	0.01 U	0.01 U	0.01 U	0.01 U
Iron	7439-89-6	mg/L	NP	NA	0.125 U	**0.0887**	0.05 U	0.05 U	**0.708**	**0.424**	0.075 U	**8.18**	0.05 U	**0.172**	**0.421**	0.025 U	0.025 U	0.025 U	0.025 U	**0.0511**	0.075 U	**0.0717**	**0.0703**	0.05 U	**1.06**	**0.0625**	**0.686**	0.05 U	**0.119**	NA	NA	NA
Lead	7439-92-1	mg/L	0.015	NA	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	**0.0021**	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	**0.0021**	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	**0.0023**	0.002 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
Magnesium	7439-95-4	mg/L	NP	NA	**1.08**	**2.49**	**2.68**	**1.99**	**35.9**	**56.3**	**69.6**	**32.3**	0.1 U	**4.49**	**43.7**	**30.1**	**28.8**	**41.6**	**39.7**	**66.8**	0.45 U	**42.2**	**42**	**57.4**	**68.4**	**119**	**74.1**	**128**	**7.84**	**1.5**	**14**	**160**	
Manganese	7439-96-5	mg/L	NP	NA	**0.0273**	0.015 U	0.01 U	0.01 U	**0.0567**	**0.012**	**0.0152**	**0.104**	0.01 U	0.01 U	**0.0799**	0.005 U	0.005 U	0.005 U	0.005 U	0.01 U	0.015 U	0.01 U	0.01 U	0.01 U	**0.024**	0.01 U	**0.0152**	0.01 U	**0.0376**	**0.007**	**0.053**	**0.018**	
Mercury	7439-97-6	mg/L	0.002	NA	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Molybdenum	7439-98-7	mg/L	NP	NA	**0.0443**	**0.0027**	**0.0024**	**0.003**	0.002 U	0.002 U	**0.0035**	0.002 U	**0.0165**	**0.0129**	**0.002**	**0.0033**	**0.0022**	0.002 U	0.002 U	0.002 U	**0.01**	0.002 U	0.002 U	0.002 U	**0.063**	**0.0068**	**0.0107**	0.002 U	0.002 U	**0.0067**	**0.026**	0.001 U	**0.003**
Nickel	7440-02-0	mg/L	NP	NA	0.1 U	0.06 U	0.04 U	0.04 U	0.02 U	0.04 U	0.06 U	0.04 U	0.04 U	0.04 U	0.04 U	0.02 U	0.02 U	0.02 U	0.02 U	0.04 U	0.06 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.06 U	0.04 U	0.02 U	0.01 U	0.01 U	0.01 U	**0.016**
Potassium	7440-09-7	mg/L	NP	NA	5 U	**5.37 J**	**6.14 J**	**4.92 J**	**7.44 J**	**9.25 J**	**16.5 J**	**5.55 J**	**2.09 J**	**5.96 J**	**11.7 J**	**3.95 J**	**4.62 J**	**7.94 J**	**7.35 J**	**21.1 J**	3 U	**12.6 J**	**12.9 J**	**14.1 J**	**19.4 J**	**19.2 J**	**12.6 J**	**12 J**	**6.41 J**	NA	NA	NA	
Selenium	7782-49-2	mg/L	0.05	NA	0.004 U	**0.0176**	**0.0248**	**0.0188**	**0.0115**	**0.009**	**0.658**	**0.0249**	**0.0149**	0.004 U	0.004 U	**0.0082**	**0.0099**	**0.0153**	**0.0134**	**0.0088**	**0.0374**	**0.0098**	**0.0102**	**0.0267**	**0.018**	**0.247**	**0.0466**	**0.02**	0.004 U	0.005 U	**0.057**	0.005 U
Silver	7440-22-4	mg/L	NP	NA	0.05 U	0.03 U	0.02 U	0.02 U	0.01 U	0.02 U	0.03 U	0.02 U	0.02 U	0.02 U	0.02 U	0.01 U	0.01 U	0.01 U	0.01 U	0.02 U	0.03 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.03 U	0.02 U	0.01 U	0.001 U	0.001 U	0.001 U	0.001 U
Sodium	7440-23-5	mg/L	NP	NA	**1130 J**	**349 J**	**366 J**	**371 J**	**89.6 J**	**380 J**	**524 J**	**466 J**	**314 J**	**226 J**	**248 J**	**45.3 J**	**55.5 J**	**119 J**	**115 J**	**307 J**	**554 J**	**339 J**	**345 J**	**398 J**	**429 J**	**804 J**	**620 J**	**361 J**	**41.8 J**	NA	NA	NA	
Thallium	7440-28-0	mg/L	0.002	NA	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
Total Hardness	TH	mg/L	NP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**38**	**250**	**2000**
Uranium	7440-61-1	mg/L	0.03	NA	0.002 U	**0.0177**	**0.0167**	**0.0162**	**0.0088**	**0.0602**	**0.24**	**0.0066**	**0.0424**	0.002 U	**0.0079**	**0.005**	**0.004**	**0.0129**	**0.0123**	**0.0223**	**0.0319**	**0.0702**	**0.0729**	**0.157**	**0.0588**	**0.228**	**0.0625**	**0.0208**	**0.023**	**0.046**	**0.054**	**0.019**
Vanadium	7440-62-2	mg/L	NP	NA	0.1 U	0.06 U	0.04 U	0.04 U	0.02 U	0.04 U	0.06 U	0.04 U	**0.306**	0.04 U	0.04 U	0.02 U	0.02 U	0.02 U	0.02 U	0.04 U	0.06 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.06 U	0.04 U	0.02 U	**0.008**	0.001 U	0.001 U	
Zinc	7440-66-6	mg/L	NP	NA	0.1 U	0.06 U	0.04 U	0.04 U	**0.0583**	0.02 U	**0.224**	0.06 U	0.04 U	0.04 U	**0.0718**	0.02 U	0.02 U	0.02 U	0.02 U	0.04 U	0.06 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.06 U	**0.041**	0.04 U	0.02 U	**0.01**	**0.01**	**0.06**
Radiological																																	
Gross Alpha w/ Am-241 Reference	12587-46-1	pCi/L	15	NP	**5.3 (+/- 1)**	**13.7 (+/- 1.2)**	**12.2 (+/- 1.1)**	**11.5 (+/- 1.1)**	**8 (+/- 1.1)**	**37.2 (+/- 2.9)**	**87.8 (+/- 5)**	**3.9 (+/- 0.8)**	**26.5 (+/- 1.9)**	1.3 U (+/- 0.6)	**10.2 (+/- 1.1)**	**4.3 (+/- 0.9)**	**3 (+/- 0.6)**	**6.6 (+/- 1)**	**6.9 (+/- 0.9)**	**8.2 (+/- 1.2)**	**23.1 (+/- 1.7)**	**30.1 (+/- 2)**	**28.7 (+/- 2.1)**	**54.7 (+/- 3.2)**	**21.2 (+/- 1.7)**	**70.5 (+/- 4.9)**	**24.2 (+/- 2)**	**8.8 (+/- 1.3)**	**20.6 (+/- 2.1)**	**37.2 (+/- 2.5)**	**36.3 (+/- 3.7)**	**9.6 (+/- 1.3)**
Gross Alpha w/ Li-not Reference	12587-46-1	pCi/L	15	NP	**6.9 (+/- 1.3)**	**15.8 (+/- 1.4)**	**14.3 (+/- 1.3)**	**13.4 (+/- 1.3)**	**10.2 (+/- 1.4)**	**42.5 (+/- 3.3)**	**115.9 (+/- 6.6)**	**5.1 (+/- 1)**	**29.5 (+/- 2.1)**	1.4 U (+/- 0.7)	**12.6 (+/- 1.4)**	**5.5 (+/- 1.1)**	**3.6 (+/- 0.8)**	**10.5 (+/- 1.2)**	**8.3 (+/- 1.1)**	**10.1 (+/- 1.4)**	**28.5 (+/- 2.1)**	**36.1 (+/- 2.5)**	**37.3 (+/- 2.8)**	**68.1 (+/- 3.9)**	**26.9 (+/- 2.2)**	**108.2 (+/- 7.5)**	**32.6 (+/- 2.7)**	**12.2 (+/- 1.9)**	**25.6 (+/- 2.7)**	**48.8 (+/- 3.3)**	**46.9 (+/- 4.7)**	**13.3 (+/- 1.8)**
Gross Beta w/ Cs-137 Reference	12587-47-2	pCi/L	NP	NP	2.9 U (+/- 1.5)	**3.8 (+/- 1.2)**	**4.7 (+/- 1.2)**	**6.6 (+/- 1.3)**	**4.5 (+/- 1.3)**	**12.5 (+/- 3.1)**	**87.8 (+/- 5.2)**	**4.6 (+/- 1.2)**	**6.9 (+/- 1.7)**	**2.6 (+/- 1)**	**12.8 (+/- 1.4)**	**3.9 (+/- 1)**	**4.7 (+/- 0.9)**	**7.2 (+/- 1.2)**	**8.2 (+/- 1.2)**	**14.9 (+/- 1.6)**	**8.8 (+/- 1.4)**	**27.6 (+/- 2.2)**	**21.7 (+/- 2)**	**49.9 (+/- 3.2)**	**21.9 (+/- 2)**	**73 (+/- 5.1)**	**24.4 (+/- 2.1)**	**10.5 (+/- 1.7)**	**9.1 (+/- 1.7)**	**8.3 (+/- 1.9)**	**17.4 (+/- 2.7)**	**11.4 (+/- 1.7)**
Gross Beta w/ Sr/Y-90 Reference	12587-47-2	pCi/L	NP	NP	2.9 U (+/- 1.5)	**3.9 (+/- 1.3)**	**4.9 (+/- 1.3)**	**6.9 (+/- 1.3)**	**6.5 (+/- 1.3)**	**13 (+/- 3.2)**	**88.9 (+/- 5.2)**	**4.5 (+/- 1.2)**	**7.2 (+/- 1.8)**	**2.8 (+/- 1.1)**	**13 (+/- 1.4)**	**4 (+/- 1)**	**4.8 (+/- 0.9)**	**7.4 (+/- 1.2)**	**8.5 (+/- 1.3)**	**15.2 (+/- 1.7)**	**8.9 (+/- 1.5)**	**28.6 (+/- 2.2)**	**21.8 (+/- 2)**	**50.8 (+/- 3.3)**	**22 (+/- 2)**	**68.2 (+/- 4.7)**	**24.3 (+/- 2.1)**	**10.4 (+/- 1.6)**	**9.3 (+/- 1.7)**	**8.1 (+/- 1.8)**	**17.4 (+/- 2.7)**	**11.4 (+/- 1.7)**
Ra226, SDWA Method	13982-63-3	pCi/L	5	30	**0.29 (+/- 0.02)**	**0.04 (+/- 0.01)**	**0.05 (+/- 0.01)**	**0.03 (+/- 0.01)**	**0.11 (+/- 0.01)**	**0.12 (+/- 0.01)**	**0.2 (+/- 0.02)**	**0.07 (+/- 0.02)**	**0.04 (+/- 0.01)**	**0.11 (+/- 0.01)**	**2.4 (+/- 0.08)**	**0.08 (+/- 0.01)**	**0.08 (+/- 0.01)**	**0.18 (+/- 0.01)**	**0.17 (+/- 0.01)**	**0.25 (+/- 0.01)**	**0.04 (+/- 0.01)**	**0.06 (+/- 0.01)**	**0.07 (+/- 0.01)**	**0.03 (+/- 0.01)**	**0.03 (+/- 0.01)**	**0.09 (+/- 0.01)**	**0.18 (+/- 0.02)**	**0.07 (+/- 0.01)**	**0.74 (+/- 0.03)**	**0.04 (+/- 0.02)**	**1.16 (+/- 0.04)**	**0.14 (+/- 0.01)**
Ra228, SDWA Method	15262-20-1	pCi/L	5	30	0.14 U (+/- 0.08)	0.14 U (+/- 0.08)	0.14 U (+/- 0.08)	**0.19 (+/- 0.08)**	0.14 U (+/- 0.06)	**0.2 (+/- 0.08)**	**0.19 (+/- 0.08)**	0.26 U (+/- 0.15)	0.14 U (+/- 0.07)	0.14 U (+/- 0.06)	**3.1 (+/- 0.33)**	0.14 U (+/- 0.08)	0.15 U (+/- 0.08)	0.14 U (+/- 0.08)	**0.33 (+/- 0.08)**	0.14 U (+/- 0.07)	0.14 U (+/- 0.07)	0.14 U (+/- 0.08)	**0.19 (+/- 0.08)**	0.14 U (+/- 0.08)	0.13 U (+/- 0.07)	0.36 U (+/- 0.19)	**0.2 (+/- 0.07)**	0.96 U (+/- 0.47)	**0.4 (+/- 0.08)**	**0.16 (+/- 0.08)**	**0.94 (+/- 0.12)**	**0.28 (+/- 0.09)**
Radon	10043-92-2	pCi/L	NP	NP	**1124 (+/- 211)**	**125.5 (+/- 43.6)**	**336.6 (+/- 74.4)**	**218.5 (+/- 54.8)**	**804 (+/- 154)**	NA	**830 (+/- 161)**	**321.9 (+/- 71.6)**	**436.5 (+/- 89.8)**	NA	NA	**462.2 (+/- 94.4)**	**814 (+/- 156)**	**1113 (+/- 211)**	NA	NA	**773 (+/- 149)**	**904 (+/- 174)**	**907 (+/- 175)**	NA	NA	**417.5 (+/- 88.3)**	**992 (+/- 188)**	**1314 (+/- 245)**	**495 (+/- 101)**	**55.8 (+/- 33.0)**	**779 (+/- 150)**	
Radon 222	R222	pCi/L	NP	NP	NA	NA	NA	NA	NA	**691**	NA	NA	NA	**65.7**	**746**	NA	NA	NA	NA	**496**	NA	NA	NA	**676**	**251**	**736**	NA	NA	NA	NA	NA	NA	
Radon 222 NEDC	R222M	pCi/L	NP	NP	NA	NA	NA	NA	NA	**103**	NA	NA	NA	**103**	**101**	NA	NA	NA	NA	**100**	NA	NA	NA	**69.2**	**60.8**	**67.6**	NA	NA	NA	NA	NA	NA	
Radon 222 Precision +/-	R222P	pCi/L	NP	NP	NA	NA	NA	NA	NA	**68.8**	NA	NA	NA	**60.3**	**58.2**	NA	NA	NA	NA	**64.1**	NA	NA	NA	**104**	**99**	**100**	NA	NA	NA	NA	NA	NA	
Thorium-228	14274-82-9	pCi/L	NP	NP	**-0.193 (+/- 0.173)**	**-0.139 (+/- 0.152)**	**-0.067 (+/- 0.057)**	**-0.034 (+/- 0.071)**	**-0.051 (+/- 0.166)**	**-0.021 (+/- 0.188)**	**-0.097 (+/- 0.158)**	**-0.018 (+/- 0.118)**	**-0.104 (+/- 0.122)**	**-0.025 (+/- 0.211)**	**0.145 (+/- 0.218)**	**0.00 (+/- 0.078)**	**-0.051 (+/- 0.089)**	**-0.069 (+/- 0.093)**	NA	**0.098 (+/- 0.298)**	**-0.149 (+/- 0.103)**	**-0.045 (+/- 0.227)**	**0.082 (+/- 0.167)**	**0.016 (+/- 0.198)**	**-0.079 (+/- 0.195)**	**-0.038 (+/- 0.331)**	**0.001 (+/- 0.171)**	**0.043 (+/- 0.341)**	**0.068 (+/- 0.227)**	**0.189 (+/- 0.145)**	**0.026 (+/- 0.108)**	**-0.026 (+/- 0.111)**	
Thorium-230	14269-63-7	pCi/L	NP	NP	**-0.051 (+/- 0.167)**	**-0.008 (+/- 0.148)**	**0.000 (+/-0.043)**	**0.025 (+/- 0.039)**	**-0.02 (+/-0.047)**	**-0.045 (+/- 0.173)**	**0.064 (+/- 0.154)**	**0.018 (+/- 0.049)**	**0.009 (+/- 0.065)**	**0.000 (+/- 0.169)**	**-0.008 (+/- 0.165)**	**0.018 (+/- 0.089)**	**-0.042 (+/- 0.055)**	**-0.029 (+/-0.045)**	NA	**0.026 (+/- 0.201)**	**-0.083 (+/-0.080)**	**-0.046 (+/- 0.180)**	**-0.029 (+/- 0.162)**	**0.131 (+/- 0.187)**	**-0.02 (+/- 0.191)**	**0.302 (+/- 0.315)**	**-0.052 (+/- 0.168)**	**-0.102 (+/- 0.210)**	**0.04 (+/- 0.172)**	**0.217 (+/- 0.124)**	**-0.017 (+/- 0.072)**	**-0.043 (+/- 0.057)**	
Thorium-232	7440-29-1	pCi/L	NP	NP	**-0.017 (+/- 0.167)**	**-0.03 (+/- 0.018)**	**-0.019 (+/- 0.043)**	**0.00 (+/- 0.039)**	**0.02 (+/- 0.047)**	**-0.045 (+/- 0.173)**	**-0.008 (+/- 0.154)**	**0.071 (+/- 0.070)**	**0.028 (+/- 0.043)**	**-0.026 (+/- 0.169)**	**0.03 (+/- 0.165)**	**-0.028 (+/- 0.048)**	**-0.034 (+/- 0.053)**	**0.029 (+/-0.045)**	NA	**0.073 (+/- 0.201)**	**-0.009 (+/-0.042)**	**0.042 (+/- 0.180)**	**0.021 (+/- 0.162)**	**0.044 (+/- 0.188)**	**0.000 (+/- 0.191)**	**0.179 (+/- 0.225)**	**0.048 (+/- 0.168)**	**0.05 (+/- 216)**	**0.013 (+/- 0.167)**	**0.070 (+/- 0.077)**	**0.009 (+/- 0.045)**	**-0.061 (+/- 0.052)**	
U234, by Alpha Spec	13966-29-5	pCi/L	NP	NP	**2.8 (+/- 0.12)**	**8.1 (+/- 0.24)**	**8.1 (+/- 0.24)**	**8.8 (+/- 0.27)**	**4 (+/- 0.12)**	**22.1 (+/- 0.63)**	**75.2 (+/- 2.06)**	**2.3 (+/- 0.12)**	**17.2 (+/- 0.47)**	0.03 U (+/- 0.01)	**5.3 (+/- 0.17)**	**2.9 (+/- 0.09)**	**2.1 (+/- 0.07)**	**5.8 (+/- 0.16)**	**6.7 (+/- 0.2)**	**9.5 (+/- 0.27)**	**19.6 (+/- 0.6)**	**21.6 (+/- 0.63)**	**21.8 (+/- 0.63)**	**54.1 (+/- 1.66)**	**20.1 (+/- 0.62)**	**69.5 (+/- 2)**	**25.2 (+/- 0.76)**	**11.3 (+/- 0.41)**	**16.5 (+/- 0.45)**	**37.1 (+/- 1.2)**	**28.9 (+/- 0.8)**	**7.4 (+/- 0.27)**	
U238, by Alpha Spec	7440-61-1	pCi/L	NP	NP	**0.27 (+/- 0.03)**	**4.1 (+/- 0.13)**	**4.2 (+/- 0.14)**	**4.5 (+/- 0.16)**	**2 (+/- 0.07)**	**16.3 (+/- 0.48)**	**60.2 (+/- 1.72)**	**1.6 (+/- 0.1)**	**11.2 (+/- 0.32)**	0.02 U (+/- 0.01)	**1.7 (+/- 0.08)**	**1.3 (+/- 0.05)**	**0.92 (+/- 0.04)**	**3.4 (+/- 0.1)**	**3.6 (+/- 0.12)**	**5.7 (+/- 0.18)**	**8.4 (+/- 0.29)**	**16.8 (+/- 0.5)**	**16.1 (+/- 0.49)**	**40.5 (+/- 1.29)**	**15.5 (+/- 0.5)**	**58.2 (+/- 1.71)**	**16.7 (+/- 0.53)**	**6.1 (+/- 0.26)**	**6.5 (+/- 0.19)**	**11.5 (+/- 0.45)**	**18.3 (+/- 0.52)**	**4.29 (+/- 0.18)**	
Uranium, Mass Concentration		ug/L	ug/L	30	1 U (+/- 0.5)	**16 (+/- 1.6)**	**16 (+/- 1.6)**	**15 (+/- 1.5)**	**9 (+/- 0.9)**	**58 (+/- 5.8)**	**210 (+/- 21)**	**6 (+/- 0.6)**	**39 (+/- 3.9)**	1 U (+/- 0.5)	**7 (+/- 0.7)**	**5 (+/- 0.5)**	**4 (+/- 0.5)**	**12 (+/- 1.2)**	**12 (+/- 1.2)**	**20 (+/- 2)**	**30 (+/- 3)**	**66 (+/- 6.6)**	**66 (+/- 6.6)**	**140 (+/- 14)**	**52 (+/- 5.2)**	**200 (+/- 20)**	**57 (+/- 5.7)**	**21 (+/- 2.1)**	**22 (+/- 2.2)**	**44 (+/- 4.4)**	**61 (+/- 6.1)**	**18 (+/- 1.8)**	

Notes:
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A - This sample was extracted at a single acid pH.
TQ02 - Sample received at laboratory with insufficient holding time remaining to conduct analysis for Nitrite.
Sample collector was notified. Analysis was performed per collector's request. No further corrective
action was taken
TQ03 - Sample received at laboratory with insufficient holding time remaining to conduct analysis for Nitrite.
Sample collector was notified. Analysis was performed per collector's request. No further corrective
action was taken.
mg/L - milligrams per Liter. Milligrams per Liter are equivalent to parts per million.
ug/L - micrograms/Liter. Micrograms per Liter are equivalent to parts per billion.
pCi/L - picocuries per Liter
Maximum Contaminant Levels (MCLs) are standards that are set by the United States Environmental Protection Agency (EPA) for drinking water quality.
An MCL is the legal threshold limit on the amount of a substance that is allowed in public water systems under the Safe Drinking Water Act.
Alkalinity and Bicarbonate estimated by Anion and Cation Balance Calculation
New Mexico Water Quality Control Commission Standard (NMQCC) Health-based standards applicable to
groundwater with less than 10,000 mg/L Total Dissolved Solids (TDS). For metals contaminants, these standards apply to dissolved metals.
NMQCC for Radioactivity: Combined Radium-226 and Radium-228 standard is 30 pCi/L.

Analyte	CAS.NO	Units	National Primary Drinking Water Standard Maximum Contaminant Level (MCL)	New Mexico Water Quality Control Commission (NMWQCC)	SMC-13 4/2/2009	LSM-34 10/7/2014	SMC-10 3/30/2009	LSM-35 10/7/2014	SMC-25 3/30/2009	LSM-56 10/8/2014	SMC-20 3/31/2009	LSM-61 1/7/2015
Dissolved Metals												
Calcium	7440-70-2	mg/L	NA	NP	389	362	567	143	64.9	478	92.3	85
Iron	7439-89-6	mg/L	NA	1	0.025	0.075 U	0.025	0.896	0.025	0.05 U	0.025	0.05 U
Magnesium	7439-95-4	mg/L	NA	NP	73.7	70.1	149	30.5	8.26	132	15.8	15
Manganese	7439-96-5	mg/L	NA	0.2	0.0115	0.015 U	0.005	0.0691	0.005	0.01 U	0.057	0.062
Potassium	7440-09-7	mg/L	NA	NP	8.44	14.8 J	6.95	4.68 J	1.01	11.1 J	5.9	5
Selenium	7782-49-2	mg/L	NA	0.05	**0.618**	**0.658**	0.0321	0.0229	0.0132	0.0205	**0.0736**	**0.064**
Sodium	7440-23-5	mg/L	NA	NP	355	483 J	261	421 J	102	339 J	67.9	58
Uranium	7440-61-1	mg/L	NA	0.03	**0.24**	**0.238**	**0.0309**	0.0065	0.0206	0.0213	**0.0639**	**0.06**

General Chemistry												
Estimated Bicarbonate	Bicarbonate	mg/L	NP	NP	180	526	170	332	181	0	260	**259**
Carbonate	Carbonate	mg/L	NP	NP	10	NA	10	NA	10	NA	10	**0**
Chloride	16887-00-6	mg/L	NP	250	59	49	47	64	26	45	15	16
Fluoride	16984-48-8	mg/L	NP	1.6	0.5	0.25 U	0.56	0.25 U	1.4	0.51	0.25	0.14 A
Nitrate+Nitrite as N	14797-65-0	mg/L	1	NP	**18.6**	**17**	**21.2**	**1.04**	**5.7**	**17.2**	**1.08**	**1.16**
Sulfate	14808-79-8	mg/L	250	600	**1610**	**1670**	**2110**	**994**	144	**2380**	96	100
Total Dissolved Solids	TDS	mg/L	500	1000	**2710**	**2940**	**3380**	**1900**	**504**	**3430**	**504**	444
Total Metals												
Arsenic	7440-38-2	mg/L	0.01	NA	**0.0377**	**0.0349**	0.002U	0.002 U	**0.0112**	0.002 U	0.005	0.003
Selenium	7782-49-2	mg/L	0.05	NA	**0.604**	**0.654**	0.0314	0.0249	0.0133	0.02	**0.074**	**0.057**
Uranium	7440-61-1	mg/L	0.03	NA	**0.24**	**0.24**	**0.0305**	0.0066	0.0215	0.0208	**0.066**	**0.054**
Radiological												
Gross Alpha w/ Am-241 Reference	12587-46-1	pCi/L	15	NP	NA	**87.8 (+/- 5)**	NA	3.9 (+/- 0.8)	NA	8.8 (+/- 1.3)	NA	**36.3 (+/- 3.7)**
Gross Alpha w/ U-nat Reference	12587-46-1	pCi/L	15	NP	NA	**116.9 (+/- 6.6)**	NA	5.1 (+/- 1)	NA	12.2 (+/- 1.9)	NA	**46.9 (+/- 4.7)**
U234, by Alpha Spec	13966-29-5	pCi/L	NP	NP	75.8 (+/- 6.2)	75.2 (+/- 2.06)	0.1 (+/- 0.09)	2.3 (+/- 0.12)	NA	11.3 (+/- 0.41)	30.4 (+/- 2.7)	28.9 (+/- 0.8)
U238, by Alpha Spec	7440-61-1	pCi/L	10	NP	**64.3 (+/- 5.3)**	**60.2 (+/- 1.72)**	0.04 (+/- 0.06)	1.6 (+/- 0.1)	NA	6.1 (+/- 0.26)	**17.4 (+/- 1.7)**	**18.3 (+/- 0.52)**
Uranium, Mass Concentration	ug/L	ug/L	30	NP	NA	**210 (+/- 21)**	NA	6 (+/- 0.6)	NA	21 (+/- 2.1)	NA	**61 (+/- 6.1)**

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