

Table 3 Summary of Surface Water Analytical Results at SWMU B-20/21

Sample ID	General Location	Nitroaromatics and Nitramines SW8330 (µg/L)	Metals					
			Arsenic SW7062 (mg/L)	Barium SW6010 (mg/L)	Cadmium SW6010 (mg/L)	Chromium SW6010 (mg/L)	Lead SW7421 (mg/L)	Mercury SW7471 (mg/L)
B20-SW1	Intermittent Stream	NA	< 0.010	0.05	< 0.03	< 0.03	< 0.001	< 0.0002
B20-SW2	Small Low Area Near Stream ††	NA	< 0.010	0.04	< 0.03	< 0.03	0.002 ††	< 0.0002
B20-SW3	Former Crater 8	None Detected	< 0.010	0.04	< 0.03	< 0.03	0.006 †	< 0.0002
B20-SW100 (dup of B20-SW3)	Former Crater 8	None Detected	< 0.010	0.04	< 0.03	< 0.03	0.006 †	< 0.0002
B20-SW4	Former Crater 12	NA	< 0.010	< 0.13	< 0.03	< 0.03	0.006 †	< 0.0002
B20-SW5	Former Crater 13	None Detected	0.044	< 0.13	0.05 †	< 0.03	0.390 †	< 0.0002
Ecological Benchmarks for Water (Freshwater) (1)		---	0.190 (dcw)	16 (b)	0.0006 (dcf)	0.0106 (Hex) (dcw) 0.1008 (Tri) (dcf)	0.001 (dcf)	0.0013 (c)

- ☐ = Indicates the chemical was detected above the ecological benchmark.
- † = Indicates the chemical was detected at a former crater; the craters were backfilled in 1997 and have not provided a surface water or sediment habitat since that time.
- †† = This small area does not sustain a surface water or sediment habitat.
- µg/L = micrograms per liter.
- mg/L = milligrams per liter.
- NA = Not analyzed.
- = Not applicable (no nitroaromatics/nitramines detected).

(1) Ecological Benchmarks for Water (Freshwater). *Update to Guidance for Conducting Ecological Risk Assessments at Remediation Sites in Texas RG-263 (Revised)*. TCEQ, January 2006 Version. Footnotes from Table 3-2 Reference (1).

- (c) Texas Surface Water Quality Standards (TSWQS) Chronic (unless otherwise noted) Criteria (30 §TAC 307.6, Table 1, Effective August 17, 2000).
- (d) Indicates that the criteria for a specific parameter are for the dissolved portion in water.
- (w) Indicates that the criterion is multiplied by a water-effects ratio in order to incorporate the effects of local water chemistry on toxicity. The water-effects ratio is equal to 1 except where sufficient data are available to establish a site-specific, water-effects ratio. Water-effects ratios for individual water bodies are listed in Appendix E of the TSWQS. The number preceding the "w" in the freshwater criterion equation is a USEPA conversion factor.
- (b) TCEQ, 2003. In-house water quality chronic values derived for wastewater permits and requests from the Office of Waste based on LC₅₀ values in accordance with methodology defined in the TSWQS. Waster Quality Division.
- (f) Criteria calculated using a hardness value of 50 mg/L.