

Maximum Contaminant Levels (MCLs) are legal limits set by the U.S. EPA under the Safe Drinking Water Act to control how much of a specific substance can be present in public drinking water.																					
Regional Screening Levels (RSLs) and Ecological Screening Values (ESVs) are conservative benchmarks created by EPA to evaluate potential environmental contamination. RSLs focus on protecting human health and ESVs target wildlife and ecosystems. These values allow environmental professionals to quickly identify sites that may require further assessment, but they are not cleanup standards.																					
Healthcare SC Fire Sediment Data			Wednesday August 19, 2026 (SCDES)																		
			Control		Retention Pond		Beaver Pond		Dam - Wilson Rd		Reservoir										
Select analytical results (metals in mg/kg or ppm)			MFP-005-SD		MFP-004-SD		MFP-003-SD		MFP-002-SD		MFP-001-SD			KEY							
Parameters	State Averages and Maximums*	Ecological ESV	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier		ND	Not detected						
Aluminum	7073 - 89000	25000	13000		28000		13000		18000		10000			I	Estimated						
Antimony	5.6 - 11.4	2	ND	ND	ND	ND	0.25	I	0.22	I	0.19			ESV	EPA Ecological Screening Value						
Arsenic	1.5 - 16	9.8	2.3		2		2.7		3.6		0.9	I		*	Judy Canova - Background Elements in South Carolina Study						
Barium	32 - 370	20	19		220		110		150		91										
Beryllium	0.5 - 2		0.18		0.3	I	0.54		0.69		0.41			Analysis included 50+ volatile organic compounds (VOCs),							
Cadmium	0.8 - 10	1	0.071		0.22	I	0.2	I	0.23	I	0.11	I		more than 60 semivolatile organic compounds (SVOCs) and 20+ metals.							
Calcium	1119 - 44500		220		190		440		750		500			NO SVOCs were detected.							
Chromium	11 - 47	43.4	17		78		19		21		16										
Cobalt	4 - 52	50	1.2		13		5.8		9.8		5.7										
Copper	6 - 30	31.6	8		16		11		11		12										
Iron	10797 - 48000	20000	16000		52000		23000		26000		12000										
Lead	11 - 76	35.8	11		14		16		18		15										
Magnesium	958 - 4400		390		4400		1600		1300		2400										
Manganese	137 - 620	460	66		230		630		810		160										
Nickel	5 - 51	22.7	2.1		22		6.2		7		7.6										
Potassium	579 - 4000		610		5600		1600		1300		2100										
Selenium	0.8 - 1.8	0.72	0.48	I	1.5	I	0.91	I	1.4	I	0.32	I									
Silver	2 - 15	1	0.0058	i	0.0094	I	0.021	I	0.028	I	0.013	I									
Sodium	260 - 5800		ND	ND	52		41		30	I	52										
Thallium	9		0.1	I	0.53	I	0.24	I	0.3	I	0.2	I									
Vanadium	18 - 200		38		130		44		45		33										
Zinc	23 - 200	121	12		74		45		35		36										
Mercury	0.15 - 0.25	0.18	0.066	I	0.028	I	0.056	I	0.053	I	0.024	I									
organic results in ug/kg or ppb																					
Acetone		65	ND	ND	39	I	56	I	150		ND	ND									
2-butanone (MEK)		7604	ND	ND	ND	ND	160		10		ND	ND									
Benzene		10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
Chloroform		87	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
Styrene		126	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
Toluene		10	ND	ND	ND	ND	2.2	I	ND	ND	ND	ND									
N-nitrosodiphenylamine		110	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
Naphthalene		176	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
Aniline			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									