

NOTE: ND = nondetectable or < PQL; PQL = Practical Quantitation Limit
NOTE: Routine Sampling Locations are on Sheet 1

Data Table 5-27, 2014 Sediment Surveillance-Inorganic Contaminants, Pesticides, and Herbicides
SCDHEC Duplicate Sampling Locations
2014 Sediment Surveillance-Inorganic Contaminants, Pesticides, and Herbicides

		U3RM RM 157.4	PQL	BDCM RM 152.3	PQL	FMC RM 150.6	PQL	SCM RM 141.5	PQL	L3RM RM129.1	PQL	L3R-1A	PQL	BDC DUP	PQL
Aluminum	mg/kg	9800	20.0	10000	15.0	4700	14.0	21000	22.0	12000	18.0	1900	14	8300	16.0
Arsenic	mg/kg	ND	1.00	ND	0.76	ND	0.72	1.5	1.10	ND	0.88	0.83	0.70	ND	0.79
Barium	mg/kg	75.0	2.60	99	2.00	51.0	1.90	130.0	2.80	88.0	2.30	3.8	1.8	85.0	2.10
Cadmium	mg/kg	ND	0.20	ND	0.15	ND	0.14	ND	0.22	ND	0.18	ND	0.14	ND	0.16
Chromium	mg/kg	13.00	0.50	14.0	0.38	7.80	0.36	24.00	0.55	16.0	0.44	2.8	0.35	12.0	0.40
Copper	mg/kg	6.20	0.50	6.9	0.38	2.70	0.36	15.00	0.55	7.30	0.44	0.82	0.35	5.20	0.40
Iron	mg/kg	11000		13000		6300		26000	11.00	14000	8.8	2600	7.0	12000	7.9
Lead	mg/kg	5.50	1.00	5.90	0.76	2.60	0.72	9.00	1.10	5.00	0.88	1.9	0.70	4.4	0.79
Magnesium	mg/kg	1000	500	1400	380	630	360	1700	550	1500	440	ND	350	1200	400
Manganese	mg/kg	440	1.50	1200	1.10	610	1.10	1000	1.60	750	1.30	15	1.0	1100.0	1.20
Mercury	mg/kg	ND	0.15	ND	0.12	ND	0.12	ND	0.19	ND	0.14	0.40	0.11	ND	0.14
Nickel	mg/kg	6.50	4.00	6.10	3.10	3.50	2.90	9.30	4.40	6.70	3.50	ND	2.8	5.6	3.20
Selenium	mg/kg	1.00	1.00	ND	0.76	ND	0.72	1.80	1.10	ND	0.88	ND	0.70	ND	0.79
Silver	mg/kg	ND	0.50	ND	0.38	ND	0.36	ND	0.55	ND	0.44	ND	0.35	ND	0.4
Uranium	mg/kg	ND	50.0	53	38.0	ND	36.0	110.0	55	58	44.0	ND	35	48	40.0
Zinc	mg/kg	30.0	5.00	30.0	3.80	14.0	3.60	43.0	5.50	33.0	4.40	ND	3.5	26.0	4.00
% Solids	%	47.2	0.00	59.9	0.00	67.2	0.00	42.2	0.00	52.1	0.00	70.2	0.000	60.2	0.00
Cyanide total	mg/kg	ND	1.10	ND	0.84	ND	0.74	ND	1.20	ND	0.96	ND	0.71	ND	0.83
		McQueens Branch Monroe Owens Rd	PQL	UTR at Rd C	PQL	Basin E-004	PQL	Basin E-005	PQL	Basin E-006	PQL	UTR off C Road	PQL	Location Key UTR = Upper Three Runs BDC = Beaver Dam Creek FMC = Fourmile Creek PB = Pen Branch SC = Steel Creek L3R = Lower Three Runs TC = Tinker Creek RM = River Mile VOG Dis = Vogtle Discharge UTRM = Upper Three Runs River Mouth BDCM = Beaver Dam Creek River Mouth SCM = Steel Creek River Mouth S Qualified	
Aluminum	mg/kg	28000	41	3200	18	37000	23	13000	15	29000	14	3200	18.0		
Arsenic	mg/kg	ND	2.0	ND	0.91	9.7	1.1	2.1	0.77	7.3	1.4	ND	0.99		
Barium	mg/kg	170	5.3	35	2.4	45	3.0	35	2.0	53	1.8	30	2.60		
Cadmium	mg/kg	ND	0.41	ND	0.18	ND	0.23	ND	0.15	ND	0.27	ND	0.20		
Chromium	mg/kg	36	1.0	4.7	0.46	44	0.57	12	0.39	44	0.68	4.0	0.49		
Copper	mg/kg	44	1.0	1.8	0.46	14	0.57	3.6	0.39	13	0.68	1.40	0.49		
Iron	mg/kg	22000	20	2200	9.1	39000	11	9900	7.7	45000	14	2300	9.90		
Lead	mg/kg	18	2.0	2.9	0.91	12	1.1	4.5	0.77	21	1.4	2.80	0.99		
Magnesium	mg/kg	1100	1000	ND	460	920	570	ND	390	ND	680	ND	490		
Manganese	mg/kg	340	3.1	27	1.4	140	1.7	54	1.2	110	1.0	46.0	1.50		
Mercury	mg/kg	ND	0.31	ND	0.15	ND	0.18	ND	0.12	ND	0.11	ND	0.16		
Nickel	mg/kg	15	8.1	ND	3.7	6.6	4.6	3.1	3.1	ND	5.4	ND	3.90		
Selenium	mg/kg	ND	2.0	ND	0.91	1.1	1.1	ND	0.77	ND	1.4	ND	0.99		
Silver	mg/kg	ND	1.0	ND	0.46	1.3	0.57	ND	0.39	ND	0.68	ND	0.49		
Uranium	mg/kg	100	100	ND	46	170	57	42	39	190	34	ND	49.0		
Zinc	mg/kg	80	10	8.4	4.6	35	5.7	8.7	3.9	17	6.8	8.90	4.90		
% Solids	%	23.7	0.000	50.4	0.00	41.6	0.000	63.7	0.000	70.6	0.000	48.3	0.00		
Cyanide total	mg/kg	ND	2.1	ND	0.99	ND	1.2	ND	0.79	ND	0.71	ND	1.00		