

Creek	Date	Station Miles	Rain Code	H ₂ O Temp. (°F)	DO (mg/L)	DO %	Barometric Pressure (mmHg)	Conductivity (µS/cm)	ORP (mV)	Total Hardness (mg/L)	Chlorine, Total (mg/L)	Chlorine, Free (mg/L)	Total Alkalinity (mg/L)	Ammonia (mg/L)	Turbidity (NTU)	Chlorine, Total Residual (mg/L)	Phenols (mg/L)	Copper, Total (mg/L)	pH	Detergents	Nitrate as N (mg/L)	Nitrite as N (mg/L)	Total Nitrogen (mg/L)	TKN (mg/L)	Orthophosphate as P (mg/L)	Total Phosph (as P) (mg/L)	TSS (mg/L)	BOD (mg/L)	E-Coli (cfu/100 mL)	Coliform (cfu/100mL)	ZINC	TDS	notes	
Cahaba River	10/17/2017	CR280	6	69.2	6.89	77.7	755.7	231.6	526	250	0	0	120	0	12.73	<-0.2	0.5	0	7.29	<-0.1	<-0.23	<-0.30	<-0.23	<-0.50	<-0.01	4	<-1.0	192	>2419.6					
Valley Creek	10/17/2017	VC04.9s	6	61.7	8.41	87.6	753.7	409.6	369	425	0	0	180	0	1.21	<-0.2	0.5	0	7.85	<-0.1	1.25	<-0.30	1.25	<-0.50	<-0.01	1.2	<-1.0	145	>2419.6					
Valley Creek	10/17/2017	VC02.9	6	62.1	10.31	105.2	753.0	457.2	433	425	0	0	120	0	2.21	<-0.2	0.5	0	7.85	<-0.1	1.41	<-0.30	1.41	<-0.50	<-0.01	1.2	<-1.0	579	>2419.6					
Valley Creek	10/17/2017	VC0.7	6	68	8.06	90.1	752.6	432.9	449	425	0	0	120	0.25	4.47	<-0.2	0.5	0	7.91	<-0.1	1.27	<-0.30	1.27	<-0.50	0.526	1.6	<-1.0	866	>2419.6					
Valley Creek	10/17/2017	VC0.1s	6	69.5	7.99	90.6	752.4	190.3	470	425	0	0	120	0.25	66.7	<-0.2	0.5	0	8.06	<-0.1	1.5	<-0.30	1.5	<-0.50	0.357	21.6	<-1.0	>2419.6	>2419.6					Illicit Discharge observed
Village Creek	10/18/2017	VC14.0	6	61.7	9.09	93.7	755.4	428.7	373	250	0	0	120	0	1.9	<-0.2	0.5	0	7.77	<-0.1	0.85	<-0.30	0.85	<-0.50	0.015	<-1.0	<-1.0	130	>2419.6			<5.0	253	
Village Creek	10/18/2017	VC13.0	6	61.8	9.09	93.8	753.5	431.5	405	250	0	0	80	0	1.72	<-0.2	0.5	0	7.77	<-0.1	0.8	<-0.30	0.8	<-0.50	0.013	<-1.0	<-1.0	119	>2419.6			<5.0	258	
Village Creek	10/18/2017	VC09.4	6	61.7	8.91	92.2	752.4	386.9	455	250	0	0	80	0	1.72	<-0.2	0.5	0	7.85	<-0.1	0.7	<-0.30	0.7	<-0.50	0.019	<-1.0	<-1.0	228	>2419.6			<5.0	233	
Village Creek	10/18/2017	VC08.1	6	61.3	9.01	92.3	752.4	375.7	482	250	0	0	120	0	4.4	<-0.2	0.5	0	7.88	<-0.1	0.71	<-0.30	0.71	<-0.50	0.013	<-1.0	<-1.0	488	>2419.6			<5.0	230	
Village Creek	10/18/2017	VC07.0s	6	62.1	9.05	94.1	752	389.5	575	425	0	0	240	0	1.8	<-0.2	0.5	0	8.38	<-0.1	0.78	<-0.30	0.78	<-0.50	0.024	<-1.0	<-1.0	517	>2419.6			<5.0	235	
Cotton Mill Branch	10/18/2017	VC7.0s	6	64.3	10.98	112.8	772.5	438.9	94.4	250	0	0	120	0	1.54	<-0.2	0.5	0	8.12	<-0.1	1.08	<-0.30	1.08	<-0.50	0.042	<-1.0	<-1.0	>2419.6	>2419.6			<5.0	240	
Village Creek	10/18/2017	VC06.5	6	61.3	10.06	131.3	772.8	391.2	96.7	250	0	0	120	0	4.14	<-0.2	0.5	0	8.26	<-0.1	0.63	<-0.30	0.63	<-0.50	<-0.01	1.2	<-1.0	126	>2419.6			<5.0	213	
Village Creek	10/18/2017	VC05.6s	6	66.3	9.84	104.5	772.1	389.9	95.6	425	0	0	240	0	6.39	<-0.2	0.5	0	8.25	<-0.1	0.74	<-0.30	0.74	<-0.50	0.028	2.8	1.65	125	>2419.6			<5.0	225	
Village Creek	10/18/2017	VC01.8	6	61.8	12.46	127.6	770.7	417.8	103.4	250	0	0	180	0	3.34	<-0.2	0.5	0	8.26	<-0.1	1.06	<-0.30	1.06	<-0.50	<-0.01	1.2	<-1.0	57.3	>2419.6			<5.0	225	
Village Creek	10/18/2017	VC01.6s	6	62	9.55	100	770.4	436.3	104.4	425	0	0	120	0	3.21	<-0.2	0.5	0	8.19	<-0.1	1.09	<-0.30	1.09	<-0.50	<-0.01	2	<-1.0	48.8	>2419.6			<5.0	225	
Five Mile Creek	10/19/2017	FMC19.5	6	67.6	10.04	100.1	777.2	622.7	102.6	250	0	0	120	0	6	0.2	0.5	0	8.4	<-0.1	1.17	<-0.30	1.17	<-0.50	0.035	1.6	<-1.0	90.8	>2419.6			<5.0	225	
Five Mile Creek	10/19/2017	FMC08.2	6	68.5	11.94	116.9	773	429.8	107	425	0	0	180	0.25	2	<-0.2	0.5	0	8.45	<-0.1	1.09	<-0.30	1.09	<-0.50	<-0.01	<-1.0	<-1.0	816	>2419.6			<5.0	225	
Five Mile Creek	10/19/2017	FMC03.6	6	60.8	12.57	125.4	769.5	410.9	119	250	0	0	120	0	1.33	<-0.2	0.5	0	8.3	<-0.1	1.11	<-0.30	1.11	<-0.50	0.013	<-1.0	<-1.0	35.5	>2419.6			<5.0	225	
Shades Creek	10/19/2017	SC05.5s	6	62.4	10.3	105.6	769.9	474	113.1	250	0	0	180	0	2.31	<-0.2	0.5	0	8.31	<-0.1	0.5	<-0.30	0.5	<-0.50	0.022	<-1.0	<-1.0	>2419.6	>2419.6			<5.0	225	
Shades Creek	10/19/2017	SC05.5	6	67.2	11.74	113.6	770	389.1	119.4	425	0	0	120	0.25	2.07	<-0.2	0.5	0	8.41	<-0.1	0.3	<-0.30	0.3	<-0.50	0.011	<-1.0	<-1.0	866	>2419.6			<5.0	225	
Cahaba River	12/12/2017	CR280	4	48.9	10.62	94.3	749.3	236.9	556	120	0	0	80	0	3.03	<-0.2	0.5	0	6.93	<-0.1	0.29	<-0.30	0.29	<-0.50	0.021	1.2	<-1.0	27.5	>2419.6			1200		
Valley Creek	12/12/2017	VC04.9s	4	57.5	9.38	93.6	742.9	411.9	449	425	0	0	120	0	2.68	<-0.2	0.5	0	7.67	<-0.1	1.16	<-0.30	1.16	<-0.50	0.014	1.2	<-1.0	172	>2419.6			<5.0	225	
Valley Creek	12/12/2017	VC02.9	4	52.7	11.58	108.7	747.1	449.8	465	120	0	0	80	0	2.01	<-0.2	0.5	0	7.84	<-0.1	1.63	<-0.30	1.63	<-0.50	0.145	1.2	<-1.0	36.4	>2419.6			<5.0	225	
Valley Creek	12/12/2017	VC0.7	4	62.1	9.74	97.8	745.6	462	478	250	0	0	120	0	2.55	<-0.2	0.5	0	7.87	<-0.1	2.44	<-0.30	2.44	<-0.50	0.015	1.2	<-1.0	7.85	>2419.6			<5.0	225	
Valley Creek	12/12/2017	VC0.1s	4	61.3	9.19	95.3	746	485.1	486	425	0	0	120	0	4.88	<-0.2	0.5	0	7.98	<-0.1	1.84	<-0.30	1.84	<-0.50	0.191	2	<-1.0	411	>2419.6			<5.0	225	
Village Creek	12/13/2017	VC14.0	1	48.2	10.61	92.6	749.4	400	402	250	0	0	80	0	6.88	<-0.2	0.5	0	7.75	<-0.1	0.72	<-0.30	0.72	<-0.50	0.028	2	<-1.0	1300	>2419.6			<5.0	255	
Village Creek	12/13/2017	VC13.0	1	46.3	10.83	93.2	748.3	418.3	451	250	0	0	40	0	2.35	<-0.2	0.5	0	7.57	<-0.1	0.68	<-0.30	0.68	<-0.50	0.022	1.2	1.07	980	>2419.6			<5.0	258	
Village Creek	12/13/2017	VC09.4	1	47.6	10.89	95.3	747	384.8	484	250	0	0	80	0	2.36	<-0.2	0.5	0	7.85	<-0.1	0.62	<-0.30	0.62	<-0.50	0.017	1.2	1.21	85.7	>2419.6			<5.0	228	
Village Creek	12/13/2017	VC08.1	1	46.6	11.69	100.9	747	386.5	505	250	0	0	120	0	1.22	<-0.2	0.5	0	7.88	<-0.1	0.68	<-0.30	0.68	<-0.50	0.017	1.2	1.5	96	>2419.6			<5.0	225	
Village Creek	12/13/2017	VC07.0	1	47.9	11.51	100.7	745.7	353.9	488	250	0	0	120	0	5.57	<-0.2	0.5	0	7.92	<-0.1	0.88	<-0.30	0.88	<-0.50	0.032	1.2	1.29	147	>2419.6			<5.0	240	
Cotton Mill Branch	12/13/2017	VC7.0s	1	51.2	11.65	106.6	745.8	408.6	502	250	0	0	80	0	1.41	<-0.2	0.5	0	7.68	<-0.1	1.09	<-0.30	1.09	<-0.50	0.131	<-1.0	1.11	83.3	>2419.6			<5.0	233	
Village Creek	12/13/2017	VC06.5	1	58.3	12.08	106.8	745.7	370.3	505	250	0	0	180	0	1.52	<-0.2	0.5	0	7.95	<-0.1	1.02	<-0.30	1.02	<-0.50	0.016	1.2	<-1.0	57.6	>2419.6			<5.0	208	
Village Creek	12/13/2017	VC05.6s	1	58.5	9.45	95	744.1	357.9	476	425	0	0	80	0	5.19	<-0.2	0.5	0	8.32	<-0.1	0.65	<-0.30	0.65	<-0.50	0.05	1.6	1.75	56.5	>2419.6			<5.0	213	
Village Creek	12/13/2017	VC01.8	1	53.8	10.17	97.1	742.1	377.3	516	250	0	0	120	0	3.17	<-0.2	0.5	0	7.78	<-0.1	1.09	<-0.30	1.09	<-0.50	0.014	1.2	<-1.0	22.6	>2419.6			<5.0	213	
Village Creek	12/13/2017	VC01.6s	1	54.4	10.79	94.4	741.4	387.4	532	250	0	0	120	0	3.73	<-0.2	0.5	0	7.63	<-0.1	1.13	<-0.30	1.13	<-0.50	0.011	2	<-1.0	28.8	>2419.6			<5.0	213	
Five Mile Creek	12/14/2017	FMC1																																