

TABLE 3
LABORATORY ANALYTICAL RESULTS - SURFACE WATER (VALIDATED)

ANALYTE	GAEPD WQS	PFF-WWS-01-041623	PFF-WWS-02-041623	PFF-WWS-03-041623	PFF-WWS-04-041623
Total Metals (mg/L)¹					
Aluminum	NL	1.44	0.189 J	0.377	0.124 J
Barium	NL	0.0709 J-	0.0157 J-	0.0183 J-	0.0188 J-
Calcium	NL	67.6	117	114	115
Chromium	1.1	0.0034 J-	0.0100 UJ	0.0100 UJ	0.0100 UJ
Copper	0.0048	0.0081 J	0.0100 U	0.0100 U	0.0100 U
Iron	NL	0.335 J-	0.297 J-	0.559 J-	0.224 J-
Lead	0.21	0.0089 J-	0.0100 UJ	0.0056 J-	0.0065 J-
Magnesium	NL	46.4	514	473	471
Manganese	NL	0.0463 J-	0.101 J-	0.116 J-	0.0782 J-
Mercury	0.0018	0.00027	0.00020 U	0.00020 U	0.00020 U
Nickel	0.074	0.0234 J-	0.0200 UJ	0.0200 UJ	0.0200 UJ
Potassium	NL	7.09	178	168	171
Sodium	NL	184	3240	2970	3010
Vanadium	NL	0.0025 J	0.0024 J	0.0034 J	0.0022 J
Zinc	0.09	0.131 J-	0.0163 J-	0.0198 J-	0.0147 J-
Volatile Organic Compounds (µg/L)²					
4-Methyl-2-pentanone	NL	4.1 J	10 U	10 U	10 U
Acetone	NL	140	50 U	9.9 J	50 U
Benzene	51	1.3 J	5.0 U	0.35 J	0.31 J
Carbon tetrachloride	1.6	1.3 J	5.0 U	5.0 U	5.0 U
Chloroform	470	1.0 J	5.0 U	5.0 U	5.0 U
Ethylbenzene	2,100	1.4 J	5.0 U	5.0 U	5.0 U
m,p-Xylene	NL	11	5.0 U	0.66 J	0.70 J
o-Xylene	NL	1.8 J	5.0 U	5.0 U	5.0 U
Styrene	NL	9.5	5.0 U	5.0 U	5.0 U
Toluene	5,980	3.9 J	5.0 U	0.66 J	0.58 J
Xylenes, Total	NL	13	5.0 U	5.0 U	5.0 U
Semivolatile Organic Compounds (µg/L)²					
Naphthalene	NL	250 J-	10 U	10 UJ	10 UJ

Notes:

BOLD Concentration exceeded the criteria defined in Rules and Regulations from the State of Georgia, Rules of Georgia Department of Natural Resources, Environmental Protection, Water Quality Control, Designated Uses and Water Quality Standards, Chapter 391-3-6-.03(5)(e)(ii), General Criteria for All Waters

BOLD Indicates analyte was positively identified at the associated value.

¹: Comparison criteria for total metals was taken from the Rules and Regulations from the State of Georgia, Rules of Georgia Department of Natural Resources, Environmental Protection, Water Quality Control, Designated Uses and Water Quality Standards, Chapter 391-3-6-.03(5)(e)(ii), General Criteria for All Waters)

²: Comparison criteria for volatile organic compounds was taken from the Rules and Regulations from the State of Georgia, Rules of Georgia Department of Natural Resources, Environmental Protection, Water Quality Control, Designated Uses and Water Quality Standards, Chapter 391-3-6-.03(5)(e)(iv), General Criteria for All Waters)

EPA: U.S. Environmental Protection Agency

GAEPD: Georgia Environmental Protection Division

J: The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.

J-: The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased low.

mg/L: Milligrams per liter

mmddy: Month, day, year

NL: Not listed

PFF: Pinova Facility Fire

U: The analyte was analyzed for, but was not detected at or above the associated value (reporting limit).

UJ: The analyte was analyzed for, but was not detected at or above the associated value (reporting limit), which is approximate due Quality Control, to deficiencies in one or more quality control criteria.

µg/L: Micrograms per liter

WQS: Water Quality Standards (Rules and Regulations from the State of Georgia, Rules of Georgia Department of Natural Resources, Environmental Protection, Water Quality Control, Designated Uses and Water Quality Standards, Chapter 391-3-6-.03(5), General Criteria for All Waters)

WWS: Surface water