

Water Sampling Results
Leroy McCaw B#1
BP America Production Company

Parameter	WS01	WS02	WS03	WS04	
Sample Date	4/2/19	4/2/19	5/3/19	8/1/19	
Sample Location	Release Area	Downstream	Adjacent Wetland	Adjacent Wetland	Units
Alkalinity, Bicarbonate	1,880	59.0	314	78.0	mg/L
Alkalinity, Carbonate	100	<10.0	<10.0	<10.0	mg/L
Alkalinity, Total	1,980	59.0	314	78.0	mg/L
Chloride	771	161	48.2	2.81	mg/L
Conductivity	5,530	831	888	181	uS/cm
pH	7.79	6.66	7.93	7.42	pH Units
Resistivity	181	1,200	1,130	5,530	ohm/cm
TDS	3,250	470	510	155	mg/L
Sulfate	<4.00	62.6	64.9	6.01	mg/L
Hardness	51.4	182	200	74.7	mg/L
Barium	2.93	0.209	0.146	0.093	mg/L
Calcium	14.7	55.5	58.2	22.9	mg/L
Dissolved Iron	<0.250	<0.250	0.170	0.092	mg/L
Total Iron	4.90	3.14	0.315	0.994	mg/L
Magnesium	3.54	10.4	13.3	4.27	mg/L
Manganese	0.340	0.163	0.101	0.045	mg/L
Potassium	7.02	<5.00	4.76	3.26	mg/L
Sodium	1,290	93.3	117	13.8	mg/L
Strontium	2.32	0.683	1.04	0.290	mg/L
Benzene	<0.001	<0.001	-	-	mg/L
Toluene	<0.001	<0.001	-	-	mg/L
Ethylbenzene	<0.001	<0.001	-	-	mg/L
Total Xylenes	<0.003	<0.003	-	-	mg/L
Total BTEX	<0.006	<0.006	-	-	mg/L
TPH (GRO)	<1.00	<1.00	-	-	mg/L
TPH (DRO)	<1.00	<1.00	-	-	mg/L
TPH (EXT DRO)	<1.00	<1.00	-	-	mg/L

Notes: WS03 and WS04 collected from the same sample location within the wetland adjacent to the point of release.

mg/L - milligrams per liter

uS/cm - microsiemens per centimeter

ohm/cm - ohms per centimeter

TDS - Total Dissolved Solids

BTEX - Benzene, Toluene, Ethylbenzene, Total Xylenes

TPH - Total Petroleum Hydrocarbons

GRO - Gasoline Range Organics

DRO - Diesel Range Organics

EXT - Extended

"-" - indicates no data