

**Soil Sampling Results
Richardson G 2
BP America Production Co.**

Parameter	SS01	SS02	SS03	COGCC Table 910	Units
Conductivity	0.570	0.486	0.270	<4 or 2x BG	mmhos/cm
pH	7.62	6.37	6.20	6-9	pH units
SAR	3.60	0.60	0.43	<12	no units
Calcium	37.9	60.8	31.0	-	mg/L
Magnesium	8.56	12.9	10.7	-	mg/L
Sodium	94.2	19.7	11.0	-	mg/L
Arsenic	2.58	2.47	1.92	0.39	mg/kg
Barium	411	378	265	15,000	mg/kg
Cadmium	<5.00	<5.00	<5.00	70	mg/kg
Chromium	9.89	9.14	9.48	23	mg/kg
Copper	<5.00	6.37	7.22	3,100	mg/kg
Lead	12.5	90.7	14.7	400	mg/kg
Nickel	9.15	8.00	8.84	1,600	mg/kg
Selenium	<20.0	<20.0	<20.0	390	mg/kg
Silver	<1.00	<1.00	<1.00	390	mg/kg
Zinc	47.9	54.3	50.6	23,000	mg/kg
Mercury	<0.0485	0.0550	<0.0484	23	mg/kg
Boron	<1.20	<1.20	<1.20	2	mg/L
Benzene	<0.050	<0.050	<0.050	0.17	mg/kg
Toluene	<0.050	<0.050	<0.050	85	mg/kg
Ethylbenzene	<0.050	<0.050	<0.050	100	mg/kg
Total Xylenes	<0.0150	<0.0150	<0.0150	175	mg/kg
Total BTEX	<0.300	<0.300	<0.300	-	mg/kg
TPH (GRO)	<10.0	<10.0	<10.0	-	mg/kg
TPH (DRO)	<10.0	<10.0	<10.0	-	mg/kg
TPH (EXT DRO)	<10.0	<10.0	<10.0	-	mg/kg
Total TPH	<30.0	<30.0	<30.0	500	mg/kg
PAHs	ND	ND	ND	-	mg/kg

Notes: Samples collected 12/07/18.

SS03 collected as a background sample.

mg/kg - milligrams per kilogram

mg/L - milligrams per liter

mmhos/cm - millihos per centimeter

BTEX - Benzene, Toluene, Ethylbenzene, Total Xylenes

TPH - Total Petroleum Hydrocarbons

GRO - Gasoline Range Organics

DRO - Diesel Range Organics

EXT - Extended

BG - Background

ND - Non-Detect

Bold values exceed COGCC Table 910 Standard