

**TABLE 1  
POST-INCORPORATION SOIL ANALYTICAL RESULTS**

**KRIER # 3 SPREADFIELD  
WELD COUNTY, COLORADO  
HIGHPOINT RESOURCES CORPORATION**

Parameter	Units	COGCC Table 910-1 Concentration Level	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12
<b>Sample Date</b>			10/22/19	10/22/19	10/22/19	10/22/19	10/22/19	10/22/19	10/22/19	10/22/19	10/22/19	10/22/19	10/22/19	10/22/19
<b>Inorganics</b>														
Electrical Conductivity	mmhos/cm	4	3.15	2.29	2.00	1.39	1.67	0.761	1.45	0.998	0.842	1.45	0.674	0.560
Sodium Adsorption Ratio	--	12	2.55	1.25	2.47	1.62	2.41	0.794	1.22	1.79	0.968	0.946	0.811	1.04
pH	--	6 to 9	8.36	8.06	7.95	8.38	8.60	8.36	8.15	8.61	8.46	8.26	8.42	8.45
<b>Metals</b>														
Arsenic	mg/kg	0.39	<b>6.78</b>	<b>10.9</b>	<b>3.94</b>	<b>4.42</b>	<b>4.36</b>	<b>3.88</b>	<b>5.88</b>	<b>4.16</b>	<b>3.69</b>	<b>8.84</b>	<b>2.23</b>	<b>3.77</b>
Barium	mg/kg	15,000	1,190	1,040	1,250	715	1,050	642	542	614	644	609	203	483
Cadmium	mg/kg	70	1.64	1.19	0.660	0.696	0.649	0.630	1.71	0.863	1.07	4.43	0.260	0.668
Chromium (III)	mg/kg	120,000	12.0	9.77	7.79	6.31	7.69	5.58	6.59	6.02	5.34	9.78	3.40	4.77
Chromium (VI)	mg/kg	23	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Copper	mg/kg	3,100	23.7	18.6	12.2	11.7	12.6	8.48	16.1	12.0	11.1	24.1	5.11	8.84
Lead	mg/kg	400	8.53	10.9	8.67	7.23	6.53	6.35	6.36	7.09	6.01	7.30	5.91	7.68
Mercury	mg/kg	23	<0.0560	<0.0555	<0.0572	<0.0573	<0.0555	<0.0559	<0.0533	<0.0526	<0.0530	<0.0566	<0.0528	<0.0531
Nickel	mg/kg	1,600	21.2	19.3	11.6	10.6	12.0	9.94	16.4	12.3	11.0	28.7	4.79	9.28
Selenium	mg/kg	390	3.54	2.49	0.544	1.28	1.24	1.08	4.03	1.80	1.58	6.91	0.449	0.692
Silver	mg/kg	390	0.128	0.118	0.0782	0.0601	0.0689	0.0503	0.105	0.0853	0.0690	0.189	0.0276	0.0544
Zinc	mg/kg	23,000	67.1	55.2	39.4	41.1	37.4	37.1	62.8	43.4	41.0	97.2	22.3	37.7
<b>Organic Compounds</b>														
TPH-GRO	mg/kg	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TPH-DRO	mg/kg	--	180	89	71	90	63	62	130	110	98	250	50	<0.50
TPH-ORO	mg/kg	--	<50	<50	<50	<50	<50	<50	<50	<50	<50	89	<50	<50
TPH	mg/kg	500	180	89	71	90	63	62	130	110	98	339	50	<100.50
Benzene	mg/kg	0.17	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Toluene	mg/kg	85	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Ethylbenzene	mg/kg	100	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Xylenes, Total	mg/kg	175	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010

**Notes:**

COGCC - Colorado Oil and Gas Conservation Commission  
DRO - diesel range organics by EPA method 8015  
GRO - gasoline range organics by EPA Method 8260B  
ORO - oil range organics by EPA method 8015  
mg/kg - milligrams per kilogram  
mmhos/cm - millimhos per centimeter  
Metals by EPA method 6020B

EPA - Environmental Protection Agency  
TPH - Total Petroleum Hydrocarbons  
Total TPH is the sum of DRO, GRO, and ORO  
< - less than the stated laboratory reporting limit  
**Bold** numbers indicate result equaled or exceeded standard  
-- - not applicable

