


CENTRAL OREGON BASALT PRODUCTS, LLC												
												
Element	Name	GG	AZ	COBP	RC	WC	EX					
Na2O	Sodium	2.86	2.07	4.01	2.89	1.13	0.56					
MgO	Magnesium	3.35	0.78	3.59	1.12	2.26	0.82					
Al2O3	Alumina	15.7	11.43	14.1	15.4	11.6	2.87					
SiO2	Silicon Dioxide	n/a	65.85	52.3	62.4	58.8	64.32					
P2O5	Phosphorous Pentoxide	n/a	0.15	1.56	0.12	0.09	0.032					
S	Sulpher	n/a	<.02	<.05	<.05	<.05	0.04					
Cl	Chlorine	n/a	0.22	<.02	<.02	0.05	0.17					
K2O	Potassium Oxide	1.35	5.23	1.73	2.38	2.94	1.16					
CaO	Calcium Oxide	4.29	3.67	7.58	3.13	2.04	1.95					
TiO2	Titanium Dioxide	n/a	0.2	2.78	0.76	0.58	0.10					
MnO2	Manganese Oxide	n/a	0.02	0.27	0.1	0.11	0.18					
Fe2O3	Ferric Oxide	7.17	1.37	13.8	5.56	3.86	1.2					
	Parts Per Million (PPM)											
BaO	Barium Oxide	n/a	0.09	0.27	0.08	0.05	0.06					
V	Vanadium	131	7.8	335	67	98	41					
Cr	Chromium	117	6.1	27	64	<10	25.4					
Co	Cobalt	20	22.3	32	12	<10	5					
Ni	Nickel	72	2.6	<10	13	<10	5.8					
W	Tungsten	n/a	26	<10	<10	<10	2					
Cu	Copper	58	12	45	29	14	9					
Zn	Zinc	81	64.3	139	81	97	26					
As	Arsenic	30	1.1	0.56	<20	<20	2.2					
Sn	tin	3	2.9	166	<50	<50	1.1					
Pb	Palladium	n/a	0.008	<10	<10	<10	<.01					
Mo	Molybdenum	4	12.6	<10	<10	<10	0.1					
Sr	Strontium	370	380	361	305	200	225					
U	Uranium	n/a	4	<20	<20	<20	0.6					
Th	Thorium	n/a	180	<20	<20	<20	0.6					
Nb	Niobium	n/a	40	11	10	<10	5.5					
Zr	Zirconium	n/a	62.7	152	220	249	35					
Rb	Rubidium	n//a	325	36	52	61	33.8					
Y	Yttrium	n/a	23	54	18	25	5.9					
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