Method: Mining-H | PP4 3/30/2023 9:03:53 AM

Name: TZOC-05-OXIDES

Description: DGSE

Duration of measurement: 60.0 s (40.0/20.0)

Symbol	Al2O3 / %	SiO2 / %	K2O / %	CaO / %	TiO2 / %
Conc.	16.6	87.5	.050	1.53	0.60
U	± 0.5	± 0.4	± .006	± 0.02	± 0.02

Symbol	V2O5 / %	Fe2O3 / %	NiO / %	ZnO / %	As2O3 / %
Conc.	.070	35.0	.013	.003	.001
U	± .006	± 0.1	± .001	± .001	± .001

Symbol	SrO / %	Y / %	ZrO2 / %	Nb2O5 / %	MoO2 / %
Conc.	.005	.002	.065	.002	.002
U	± .001	± .001	± .001	± .001	± .001

Symbol	Ag / %	BaO / %	Nd / %	Th / %	U / %
Conc.	.004	.007	.012	.006	.001
U	± .002	± .005	± .009	± .001	± .001

Method: Mining-H | PP4 3/30/2023 9:04:59 AM

Name: TZOC-05-OXIDES

Description: DGSE

Average

Symbol	Al2O3 / %	SiO2 / %	K2O / %	CaO / %	TiO2 / %
Conc.	16.6	87.5	.050	1.53	0.60
U	± 0.5	± 0.4	± .006	± 0.02	± 0.02

Symbol	V2O5 / %	Fe2O3 / %	NiO / %	ZnO / %	As2O3 / %
Conc.	.070	35.0	.013	.003	.001
U	± .006	± 0.1	± .001	± .001	± .001

Symbol	SrO / %	Y / %	ZrO2 / %	Nb2O5 / %	MoO2 / %
Conc.	.005	.002	.065	.002	.002
U	± .001	± .001	± .001	± .001	± .001

Symbol	Ag / %	BaO / %	Nd / %	Th / %	U / %
Conc.	.004	.007	.012	.006	.001
U	± .002	± .005	± .009	± .001	± .001

SPECTRO

Sample Results

Sample Result Name	Type	Measure Date Time	Recalculation Date Time	Origin	Method Name	Operator Name
TZOC-05-OXIDES	Calibration	3/30/2023 9:03 AM	1/1/0001 12:00 AM	Measured	Mining-H | PP4	Administrator

Check Type	Check Status	Correction Type	Outlier Test Type	Status
None	Not Used	None	None	Not Used

Name	Description
TZOC-05-OXIDES	DGSE

	Th Conc %	Bi Conc %	La Conc %	Hg Conc %	Ag Conc %	Tl Conc %	In Conc %	Y Conc %	Te Conc %	MgO Conc %	Al2O3 Conc %	SiO2 Conc %	P2O5 Conc %	SO3 Conc %	Cl Conc %	K2O Conc %	CaO Conc %
1	0.006	<0.0005	<0.005	<0.0005	0.004	<0.0005	<0.001	0.002	<0.0005	<0.87	16.58	87.5	<0.064	<0.017	<0.013	0.050	1.53
Rep	*0.006*	<0.0005	<0.005	<0.0005	*0.004*	<0.0005	<0.001	*0.002*	<0.0005	<0.87	*16.58*	*87.5*	<0.064	<0.017	<0.013	*0.050*	*1.53*
SD	*0.0005*	--	--	--	*0.001*	--	--	*0.0002*	--	--	*0.48*	*0.36*	--	--	--	*0.006*	*0.015*
RSD	*8.87*	--	--	--	*38.33*	--	--	*13.60*	--	--	*2.91*	*0.42*	--	--	--	*11.79*	*0.97*

	TiO2 Conc %	V2O5 Conc %	Cr2O3 Conc %	MnO Conc %	Fe2O3 Conc %	CoO Conc %	NiO Conc %	CuO Conc %	ZnO Conc %	As2O3 Conc %	Se Conc %	Br Conc %	Rb2O Conc %	SrO Conc %	ZrO2 Conc %	Nb2O5 Conc %	MoO2 Conc %
1	0.60	0.070	<0.004	<0.004	35.00	<0.023	0.013	<0.0007	0.003	0.0009	<0.0005	<0.0005	<0.0005	0.005	0.065	0.002	0.002
Rep	*0.60*	*0.070*	<0.004	<0.004	*35.00*	<0.023	*0.013*	<0.0007	*0.003*	*0.0009*	<0.0005	<0.0005	<0.0005	*0.005*	*0.065*	*0.002*	*0.002*
SD	*0.019*	*0.006*	--	--	*0.040*	--	*0.0009*	--	*0.0004*	*0.0003*	--	--	--	*0.0003*	*0.0007*	*0.0005*	*0.0004*
RSD	*3.22*	*8.13*	--	--	*0.12*	--	*7.10*	--	*15.80*	*32.60*	--	--	--	*5.63*	*1.02*	*22.66*	*21.71*

	CdO Conc %	SnO2 Conc %	Sb2O3 Conc %	I Conc %	Cs Conc %	BaO Conc %	CeO2 Conc %	Pr Conc %	Nd Conc %	Ta2O5 Conc %	WO3 Conc %	PbO Conc %	U Conc %
1	<0.001	<0.001	<0.002	<0.003	<0.005	0.007	<0.007	<0.006	0.012	<0.002	<0.001	<0.0006	0.0007
Rep	<0.001	<0.001	<0.002	<0.003	<0.005	*0.007*	<0.007	<0.006	*0.012*	<0.002	<0.001	<0.0006	*0.0007*
SD	--	--	--	--	--	*0.004*	--	--	*0.009*	--	--	--	*0.0005*
RSD	--	--	--	--	--	*61.1*	--	--	*76.4*	--	--	--	*75.3*