

Transposition module for analytical data from *e-SIGEOM à la carte*

The analytical data delivered by *e-SIGEOM à la carte* consist in a DBASE linear table named ANALYS_R.dbf (rock sample) or ANALYS_S.dbf (sediment sample). This table type is useful to keep all the analytical content of a sample, particularly in complex situations of reanalysis of the same sample for the same element(s) (figure 1).

MSLINK	NO	PLUS PETIT	ELMN	TENR	UNITE	METH	DATE ANLS
467824	14		Zn	13.000000	ppm	Emission plasma	2001/09/18
467825	31	<	Ag	2.000000	ppm	Activ. neutroni	2001/09/27
467825	87	<	Ag	0.100000	ppm	Spectr. induct.	2003/07/09
467825	74		Al2O3	5.410000	%	Emission plasma	2003/07/09
467825	20		Al2O3	5.350000	%	Fluorescence X	2001/09/27
467825	32		As	4.300000	ppm	Activ. neutroni	2001/09/27
467825	88		As	3.000000	ppm	Spectr. induct.	2003/07/09
467825	33		Au	4.000000	ppb	Activ. neutroni	2001/09/27
467825	37		Au	3.000000	ppb	Spectr. induct.	2003/07/09
467825	100		Au	2.100000	ppb	Spectr. induct.	2003/07/09
467825	34	<	Ba	50.000000	ppm	Activ. neutroni	2001/09/27
467825	89		Ba	14.000000	ppm	Emission plasma	2003/07/09
467825	90		Bi	0.100000	ppm	Spectr. induct.	2003/07/09
467825	35	<	Br	0.500000	ppm	Activ. neutroni	2001/09/27
467825	85		C tot	0.060000	%	Infrarouge	2003/07/09
467825	76		CaO	2.670000	%	Emission plasma	2003/07/09
467825	23		CaO	2.600000	%	Fluorescence X	2001/09/27
467825	91	<	Cd	0.100000	ppm	Spectr. induct.	2003/07/09
467825	92		Ce	10.100000	ppm	Spectr. induct.	2003/07/09
467825	93		Co	129.800000	ppm	Spectr. induct.	2003/07/09
467825	1		Co	130.000000	ppm	Activ. neutroni	2001/09/27
467825	2		Cr	2400.000000	ppm	Activ. neutroni	2001/09/27
467825	83		Cr2O3	0.303000	%	Emission plasma	2003/07/09
467825	29		Cr2O3	0.330000	%	Fluorescence X	2001/09/27
467825	94		Cs	4.400000	ppm	Spectr. induct.	2003/07/09
467825	3		Cs	4.600000	ppm	Activ. neutroni	2001/09/27
467825	95		Cu	108.900000	ppm	Spectr. induct.	2003/07/09
467825	96		Dy	1.140000	ppm	Spectr. induct.	2003/07/09
467825	97		Er	0.630000	ppm	Spectr. induct.	2003/07/09
467825	98		Eu	0.290000	ppm	Spectr. induct.	2003/07/09
467825	75		Fe2O3t	13.160000	%	Emission plasma	2003/07/09
467825	21		Fe2O3t	13.600000	%	Fluorescence X	2001/09/27

Figure 1 – Example of a DBASE linear table delivered by *e-SIGEOM à la carte*. For the same sample, Ag, Al2O3, As, Au, Ba, CaO, Co, Cr2O3, Cs and Fe2O3 were reanalysed by the same method (cf. Au) or by different methods.

However, the majority of users prefer to have the results displayed in a table that can be imported in most petrochemical characterization or statistical treatment software programs (figure 2).

Al2O3	CaO	Cr2O3	Fe2O3t	Ga	K2O	MqO	MnO	Na2O	Nb	P2O5	Rb	SiO2	Sn
12.7	1.14	0.01	0.59	17	3.66	-999	0.01	3.83	4	-999	142	78.7	
11.9	0.82		0.87	23	3.57	0.32	0.05	3.35	12	0.04	180	78.5	-999
11.9	0.9	-999	1.41	15	3.54	-999	0.02	3.51	-999	-999	46	78.4	
12.3	1.54		1.06	12	0.97	1.66	0.01	4.52	7	-999	44	77.7	-999
12.6	0.42	0.01	1.21	14	5.78	0.13	0.01	2.61	5	0.04	244	77.1	
13.4	1.33	-999	0.88	12	5.11	0.35	-999	2.64	-999	0.06	114	76.7	
13.3	0.95	-999	0.54	16	6.46	-999	-999	2.65	2	-999	190	76.3	
13	0.79	-999	0.34	14	5.64	-999	-999	3.01	-999	-999	197	76.3	
14	0.96	-999	0.35	13	6.04	-999	-999	2.88	-999	-999	89	76.1	
13.2	0.62	-999	1	14	5.44	0.19	0.02	3.12	5	-999	163	76.1	
9.97	0.14	0.11	7.5	14	1.62	2.98	0.06	0.33	6	-999	134	76	
13.3	0.41		0.26	20	5.19	0.08	0.02	3.71	9	0.01	280	75.9	-999
14.1	1.43	-999	1.02	14	4.43	0.22	0.01	3.35	-999	0.01	108	75.8	
12.1	0.53	-999	2.3	16	4.66	0.17	0.03	3.71	10	-999	81	75.8	
14.2	0.67	0.01	0.85	18	5.17	0.09	-999	3.45	5	0.13	246	75.5	
13.4	0.75	-999	0.98	15	5.61	0.14	0.03	3.38	7	0.02	212	75.5	

Figure 2 – Example of conventional display for analytical results.

Users wishing to convert their data in a table can use the TranspoLithSIG (rock sample) or TranspoSedSIG (sediment sample of the secondary environment) modules available in Access 97 or Access 2002 format by clicking on the following link:

<http://www.mrnfp.gouv.qc.ca/english/mines/geology/geology-databases.jsp>