

Section 10 Environmental

Number	Name	Chemical Composition									Unit Size (in g)
		Al(10 ⁻²)	As(10 ⁻⁶)	B(10 ⁻⁶)	Ba(10 ⁻⁶)	Be(10 ⁻⁹)	Bi(10 ⁻⁹)	Br(10 ⁻⁶)	Ca(10 ⁻²)	Cd(10 ⁻⁹)	
NCS ZC 73016	Chicken	0.016	0.109	0.76	1.5	(1.3)	1.3	1.6	0.022	(5)	35
NCS ZC 73017	Apple	0.007	0.02	19	2.5	(1.0)	(2.5)	(0.2)	0.049	5.8	35
NCS ZC 73016	Chicken	Ce(10 ⁻⁶)	Cl(10 ⁻²)	Co(10 ⁻⁶)	Cr(10 ⁻⁶)	Cs(10 ⁻⁶)	Cu(10 ⁻⁶)	Dy(10 ⁻⁹)	Er(10 ⁻⁹)	Er(10 ⁻⁹)	Fe(10 ⁻⁶)
NCS ZC 73017	Apple	0.06	0.153	(0.010)	0.59	0.07	1.46	1.1	(0.8)	(0.7)	31
NCS ZC 73016	Chicken	0.025	(0.0080)	0.026	0.3	(0.02)	2.5	(1.1)	(0.65)	(0.7)	16
NCS ZC 73016	Chicken	Gd(10 ⁻⁹)	Ge(10 ⁻⁹)	Hg(10 ⁻⁹)	Ho(10 ⁻⁹)	I(10 ⁻⁶)	K(10 ⁻²)	La(10 ⁻⁶)	Li(10 ⁻⁶)	Lu(10 ⁻⁹)	Mg(10 ⁻²)
NCS ZC 73017	Apple	(1.4)	(2)	3.6	(0.26)	(0.08)	1.46	0.024	0.034	(0.10)	0.128
NCS ZC 73016	Chicken	0.95		(2)	(0.25)	0.12	0.77	0.014	0.115		0.039
NCS ZC 73016	Chicken	Mn(10 ⁻⁶)	Mo(10 ⁻⁶)	N(10 ⁻²)	Na(10 ⁻⁶)	Nb(10 ⁻⁶)	Nd(10 ⁻⁶)	Ni(10 ⁻⁶)	P(10 ⁻²)	Pb(10 ⁻⁶)	Pr(10 ⁻⁹)
NCS ZC 73017	Apple	1.65	0.11	14.8	0.144	(0.006)	0.0095	0.15	0.96	0.11	2.8
NCS ZC 73016	Chicken	2.7	0.08	0.31	0.116		(0.006)	0.14	0.066	0.084	1.8
NCS ZC 73016	Chicken	Rb(10 ⁻⁶)	S(10 ⁻²)	Sb(10 ⁻⁶)	Sc(10 ⁻⁹)	Se(10 ⁻⁶)	Si(10 ⁻²)	Sm(10 ⁻⁹)	Sr(10 ⁻⁶)	Tb(10 ⁻⁹)	Th(10 ⁻⁹)
NCS ZC 73017	Apple	33	0.86		(4.5)	0.49	(0.013)	1.3	0.64	(0.23)	(4.5)
NCS ZC 73016	Chicken	5	0.063	(0.006)		(0.018)	0.005	1.5	6.9		4
NCS ZC 73016	Chicken	Tl(10 ⁻⁹)	Tm(10 ⁻⁹)	U(10 ⁻⁹)	V(10 ⁻⁶)	Y(10 ⁻⁶)	Yb(10 ⁻⁹)	Zn(10 ⁻⁶)	Ash(%)		
NCS ZC 73017	Apple	(14)	(0.11)	(3)	(0.06)	0.007	(0.7)	26	(5.0)		
NCS ZC 73016	Chicken	(1.8)	(0.12)	8.2	(0.028)	0.008	(0.66)	2.1	(2.4)		
NCS ZC 73017	Apple										
Number	Name	Content(10 ⁻⁶)									Unit Size (in g)
NCS ZC73008a	Rice	Ag	Al*	As	B	Ba	Be**	Bi**	Br	Ca*	
NCS ZC73009a	Wheat	0.004±0.001	0.015±0.001	0.08±0.01	0.7±0.2	0.15±0.03	(0.7)	(1.4)		0.007±0.001	30
NCS ZC73012a	Cabbage	0.002±0.001	0.013±0.003	0.04±0.01	-0.6	2.3±0.2		1.7±0.6		0.030±0.002	30
NCS ZC73013a	Spinage	0.003±0.001	0.018±0.004	0.05±0.01	26±3	6.3±0.6	1.2±0.4	(2)	(4)	0.55±0.02	25
NCS ZC73014a	Tea	0.018±0.002	0.16±0.03	0.54±0.06	30.6±4.2	10.9±1.7	40±7	16±3	9.6±2.7	0.88±0.09	20
NCS ZC73015a	Milk Powder	0.010±0.002	0.25±0.02	0.10±0.02	12.6±0.8	32±3	50±8	13±2	(3)	0.47±0.02	25
NCS ZC73029a	Rice	0.003±0.001	(0.01)	0.03±0.01	2.7±0.4	0.59±0.06	(0.5)	(10)	(6)	0.94±0.03	30
NCS ZC73036a	Green tea	0.008±0.002	(0.02)	0.12±0.02	0.72±0.13	0.31±0.07	(0.6)	(1.30)	(0.50)	0.007±0.002	30
NCS ZC73008a	Rice	0.008±0.002	0.12±0.02	0.16±0.02	11±2	32±3	12±2	31±5	3.1±0.8	0.34#(0.32-0.37)	25
NCS ZC73009a	Wheat										
NCS ZC73012a	Cabbage										
NCS ZC73013a	Spinage										
NCS ZC73014a	Tea										
NCS ZC73015a	Milk Powder										
NCS ZC73029a	Rice										
NCS ZC73036a	Green tea										
NCS ZC73008a	Rice	Cd**	Ce	Cl*	Co	Cr	Cs	Cu	Dy**	Er**	Eu**
NCS ZC73009a	Wheat	53±4	0.004±0.002		0.006±0.002	-0.08	0.003±0.001	3.0±0.2	0.32±0.08	0.19±0.05	(0.2)
NCS ZC73012a	Cabbage	21±3	(0.01)	(0.08)	0.006±0.001	0.09±0.03	0.007±0.001	3.0±0.3	0.7±0.1	0.32±0.06	
NCS ZC73013a	Spinage	21±3	0.02±0.01	(0.4)	0.06±0.01	0.49±0.08	0.14±0.01	3.1±0.2	1.1±0.3	0.53±0.12	(2)
NCS ZC73014a	Tea	190±20	1.5±0.2		0.49±0.03	9.0±1.3	0.23±0.04	10.4±0.8	85±10	42±6	26±3
NCS ZC73015a	Milk Powder	46±5	1.3±0.2	0.050±0.004	0.28±0.02	0.79±0.11	0.19±0.02	8.3±0.5	130±20	80±10	27#(25-29)
NCS ZC73029a	Rice	(2)	(5)**		(0.04)	(0.2)	0.035±0.003	0.50±0.11	(0.20)	(0.1)	(0.3)
NCS ZC73036a	Green tea	320±40	(3)**		0.010±0.002	(0.08)	0.023±0.003	2.4±0.2	0.25#(0.20-0.37)	0.18±0.05	0.14±0.05
NCS ZC73008a	Rice	200±20	0.51±0.07	0.05±0.01	0.23±0.02	0.6±0.1	0.42±0.05	13.2±0.9	54±8	33±5	20±4
NCS ZC73009a	Wheat										
NCS ZC73012a	Cabbage										
NCS ZC73013a	Spinage										
NCS ZC73014a	Tea										
NCS ZC73015a	Milk Powder										
NCS ZC73029a	Rice										
NCS ZC73036a	Green tea										
NCS ZC73008a	Rice	F	Fe	Gd**	Ge**	Hg**	Ho**	I	K*	La	Li
NCS ZC73009a	Wheat		4.0±0.8	(0.3)	(1.8)	4.2±0.6	(0.1)		0.090±0.005	(2.6)**	0.016±0.004
NCS ZC73012a	Cabbage		25±2	1.0±0.3	(1.4)	(1.6)	(0.2)		0.22±0.01	0.013±0.003	0.03±0.01
NCS ZC73013a	Spinage		56±5	1.1±0.2	(3)	2.1±0.7	0.22±0.05	0.7±0.2	1.49±0.04	0.02±0.01	0.33±0.04
NCS ZC73014a	Tea	(13)	0.093±0.007*	120±10	21±8	21±5	16±3	0.6±0.2	4.0±0.2	0.8±0.1	3.8±0.5
NCS ZC73015a	Milk Powder		149±7	140±20	13±5	8±1	28±4	(0.2)	1.45±0.05	1.01±0.08	0.25±0.02
NCS ZC73029a	Rice		5.1±1.9	(0.2)		(1.5)	(0.06)	2.6±0.9	1.16±0.05	4.6±1.4**	0.077±0.012
NCS ZC73036a	Green tea	(155)	4.5±1.1	(0.3)	(2)	3.5±0.8	(0.07)	(0.1)	0.083±0.008	(1.7)**	0.019±0.005
NCS ZC73008a	Rice		161±18	58±7	7.5±1.6	7.3±0.7	11±2	0.16±0.06	1.31±0.05	0.34±0.04	0.20±0.03

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		Lu**	Mg*	Mn	Mo	N*	Na	Nb	Nd	Ni
NCS ZC73008a	Rice	(0.04)	0.013±0.001	11.1±0.7	0.42±0.04	1.30±0.05	11.8±1.6	(1.3)**	1.0±0.3**	0.21±0.02
NCS ZC73009a	Wheat	(0.07)	0.062±0.004	10.0±0.4	0.31±0.02	2.1±0.1	37±5		0.005±0.001	(0.08)
NCS ZC73012a	Cabbage	0.11±0.04	0.22±0.01	21±1	0.58±0.05	2.4±0.2	0.75±0.07*	(0.01)	0.007±0.002	0.5±0.2
NCS ZC73013a	Spinage	5.4±1.2	0.99±0.07	80±4	0.65±0.08	3.9±0.3	1.8±0.07*		0.65±0.09	1.9±0.2
NCS ZC73014a	Tea	16±3	0.18±0.01	0.125±0.004*	0.04±0.01	3.4±0.3	22.6±6.7		0.66±0.08	
NCS ZC73015a	Milk Powder	(0.04)	0.094±0.005	0.36±0.11	0.32±0.02	(4)	0.32±0.02*		0.9±0.2**	
NCS ZC73029a	Rice		0.017±0.001	9.6±0.4	0.56±0.04	1.3±0.1	(14)		1.0±0.2**	0.27±0.03
NCS ZC73036a	Green tea	6±1	0.150±0.005	0.117±0.004*	0.053±0.012	3.7±0.3	15±4	(0.15)	0.25±0.04	4.4±0.3
		P*	Pb	Pr**	Rb	S*	Sb	Sc**	Se	Si
NCS ZC73008a	Rice	0.078±0.003	0.10±0.02	0.5±0.2	1.8±0.2	0.10±0.01	0.009±0.003	(6)	0.036±0.008	48±15
NCS ZC73009a	Wheat	0.18±0.01	0.09±0.03	1.2±0.3	3.2±0.3	0.15±0.01	(6)**	(11)	(0.03)	(75)
NCS ZC73012a	Cabbage	0.34±0.02	0.13±0.05	1.6±0.3	15.7±1.1	0.62±0.03	(0.01)	14.7±5.3	0.05±0.02	
NCS ZC73013a	Spinage	0.41±0.02	1.07±0.09	170±30	31±2	0.44±0.03	0.038±0.007	180±40	(0.09)	0.49±0.15*
NCS ZC73014a	Tea	0.24±0.01	1.09±0.13	160#(150-180)	45.9±3.3	0.26±0.02	0.05±0.01	89±17	0.09±0.04	0.04±0.01*
NCS ZC73015a	Milk Powder	0.77±0.06	(0.05)	(0.50)	10.6±0.6	0.25±0.01	(0.004)	(28)	0.24±0.03	
NCS ZC73029a	Rice	0.087±0.006	0.08±0.02	0.40±0.13	4.0±0.3	0.11±0.01	0.007±0.003	(60)	0.06±0.01	
NCS ZC73036a	Green tea	0.27±0.02	1.6±0.2	64±7	81±6	0.23±0.03	0.055±0.007	54±10	0.09±0.03	0.08±0.01*
		Sm**	Sn	Sr	Tb**	Th**	Ti	Tl**	Tm**	U**
NCS ZC73008a	Rice	0.3±0.1		0.15±0.03	0.07±0.03	(1)		0.23±0.05	(0.05)	(0.8)
NCS ZC73009a	Wheat	0.9±0.2		2.6±0.2	(0.2)	(1.5)		(0.3)	(0.07)	
NCS ZC73012a	Cabbage	1.4±0.4		57±2	0.3±0.1	2.8±0.8		4.8±1.1	0.08±0.02	100±20
NCS ZC73013a	Spinage	130±20	0.062±0.007	120±7	17±3	220±70	(37)	44±10	5.5±1.4	47±12
NCS ZC73014a	Tea	120±20	0.06±0.01	13.7±0.7	21±2	33.4±7.2	(11)	47±8	14±2	13±2
NCS ZC73015a	Milk Powder	(0.3)	(0.010)	6.2±0.8	(0.06)	(2)	(3.5)	(0.3)		1.6±0.6
NCS ZC73029a	Rice	0.32±0.12		0.17±0.04	0.07±0.02	(0.8)		(0.2)	(0.04)	(0.6)
NCS ZC73036a	Green tea	54±6	0.11±0.02	14.0±1.3	9±1	25±8	(11)	57±11	5.4±0.9	8.2±1.5
		V	Y	Yb**	Zn					
NCS ZC73008a	Rice	(0.02)	0.21±0.05	0.19±0.05	13.3±1.2					
NCS ZC73009a	Wheat	(0.04)	0.19±0.04	0.28±0.04	12.3±1.5					
NCS ZC73012a	Cabbage	(0.1)	0.28±0.05	0.48±0.13	12.3±1.1					
NCS ZC73013a	Spinage	(20)	0.7±0.1	36±5	42±4					
NCS ZC73014a	Tea	0.3±0.1	2.0±0.2	100±20	27±3					
NCS ZC73015a	Milk Powder	(0.04)	0.12±0.02	0.07±0.03	32±3					
NCS ZC73029a	Rice	(0.02)	0.17±0.03	0.13±0.03	12.4±1.2					
NCS ZC73036a	Green tea	0.26±0.03	0.51±0.05	36±5	26±3					

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Number	Name	Chemical Composition								Unit Size (in g)
		Ag(10^{-9})	Al(10^{-2})	As(10^{-6})	B(10^{-6})	Ba(10^{-6})	Be(10^{-9})	Bi(10^{-9})		
NCS ZC 73019	Fresh Kidney beans	(5)	0.043	0.15	21	11.4	14	4.8		35
NCS ZC 73020	Garlic	(5)	0.021	0.31	7.5	4.1	4.4	13		35
NCS ZC 73022	Scallop	(8)	0.0156	3.6	12	0.62	3.2	3.8		12
		Br(10^{-6})	Ca(10^{-2})	Cd(10^{-6})	Ce(10^{-6})	Cl(10^{-2})	Co(10^{-6})	Cr(10^{-6})	Cs(10^{-6})	Cu(10^{-6})
NCS ZC 73019	Fresh Kidney beans	0.62	0.67	(0.020)	0.35	0.14	0.29	0.66	0.036	8.7
NCS ZC 73020	Garlic	1.9	0.081	0.062	0.16	0.075	0.056	0.3	0.025	4.6
NCS ZC 73022	Scallop	32	0.075	1.06	0.053	0.81	0.047	0.28	0.014	1.34
		Dy(10^{-9})	Er(10^{-9})	Eu(10^{-9})	F(10^{-6})	Fe(10^{-6})	Gd(10^{-9})	Ge(10^{-9})	Hf(10^{-6})	Hg(10^{-9})
NCS ZC 73019	Fresh Kidney beans	23	12	7.2	(15)	330	28	14		3.8
NCS ZC 73020	Garlic	8.9	4.2	3.2	(35)	205	11.4	(12)	(0.04)	4
NCS ZC 73022	Scallop	5.3	3.3	0.9	(13)	41	5.2	(8)		40
		Ho(10^{-9})	I(10^{-6})	K(10^{-2})	La(10^{-6})	Li(10^{-6})	Lu(10^{-9})	Mg(10^{-2})	Mn(10^{-6})	Mo(10^{-6})
NCS ZC 73019	Fresh Kidney beans	4.5	(0.14)	2.26	0.17	0.31	1.77	0.336	29.5	4.9
NCS ZC 73020	Garlic	1.6	0.57	1.14	0.092	0.13	0.58	0.105	13.4	0.21
NCS ZC 73022	Scallop	1.2	1.83	1.15	0.037	0.13	0.49	0.174	19.2	0.066
		N(10^{-2})	Na(10^{-2})	Nd(10^{-6})	Ni(10^{-6})	P(10^{-2})	Pb(10^{-6})	Pr(10^{-9})	Rb(10^{-6})	S(10^{-2})
NCS ZC 73019	Fresh Kidney beans	2.79	0.081	0.14	4.4	0.38	0.66	38	9.5	0.195
NCS ZC 73020	Garlic	3.22	0.095	0.066	0.92	0.466	0.72	17	6.5	1.01
NCS ZC 73022	Scallop	12.8	0.46	0.025	0.29	0.88	(0.12)	6	5.1	1.5
		Sb(10^{-6})	Sc(10^{-6})	Se(10^{-6})	Si(10^{-2})	Sm(10^{-9})	Sn(10^{-6})	Sr(10^{-6})	Tb(10^{-9})	Th(10^{-6})
NCS ZC 73019	Fresh Kidney beans	0.028	0.067	0.043	(0.27)	29	(0.2)	55	4.1	0.055
NCS ZC 73020	Garlic	0.023	0.021	0.39	(0.08)	13	(0.07)	12.3	1.66	0.024
NCS ZC 73022	Scallop	(0.014)	(0.012)	1.5	(0.013)	4.8	(0.13)	6.5	0.84	(0.012)
		Ti(10^{-6})	Tl(10^{-6})	Tm(10^{-9})	U(10^{-9})	V(10^{-6})	Y(10^{-6})	Yb(10^{-9})	Zn(10^{-6})	Ash(%)
NCS ZC 73019	Fresh Kidney beans	21	4.2	1.8	90	0.51	0.155	11	32	(6.9)
NCS ZC 73020	Garlic	10	20	(0.65)	75	0.2	0.057	(4.2)	21.7	(3.4)
NCS ZC 73022	Scallop	(6)	2.5	0.52	7.3	0.36	0.107	3.2	75	(4.5)

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		Ag(10 ⁻⁹)	Al(10 ⁻²)	As(10 ⁻⁶)	B(10 ⁻⁶)	Ba(10 ⁻⁶)	Be(10 ⁻⁹)	Bi(10 ⁻⁹)			
NCS ZC 73023	Spirulina	42	0.033	0.22	(2.8)	11	21	81		12	
NCS ZC 73024	Pollen	(5.8)	(0.045)	0.095	85	2.9	10	4.4		12	
NCS ZC 73025	Ginseng	(4)	(0.036)	(0.03)	10.5	35	5.3	(2.4)		12	
NCS ZC 73026	Huang-qi	(8)	0.18	0.57	16.8	20.5	50	14		35	
		Br(10 ⁻⁶)	Ca(10 ⁻²)	Cd(10 ⁻⁶)	Ce(10 ⁻⁶)	Cl(10 ⁻²)	Co(10 ⁻⁶)	Cr(10 ⁻⁶)	Cs(10 ⁻⁶)	Cu(10 ⁻⁶)	
NCS ZC 73023	Spirulina	4.8	0.158	0.37	7.2	0.49	0.41	1.5	0.034	7.7	
NCS ZC 73024	pollen	1.1	0.308	0.037	0.35	0.033	0.1	0.51	0.061	8.2	
NCS ZC 73025	Gineseng	(0.27)	0.406	0.033	0.06	0.023	0.072	0.13	0.017	5.9	
NCS ZC 73026	Huang-qi	2.6	0.456	0.042	2.03	0.042	0.44	2.2	0.235	8.5	
		Dy(10 ⁻⁹)	Er(10 ⁻⁹)	Eu(10 ⁻⁹)	F(10 ⁻⁶)	Fe(10 ⁻⁶)	Gd(10 ⁻⁹)	Ge(10 ⁻⁹)	Hf(10 ⁻⁶)	Hg(10 ⁻⁹)	
NCS ZC 73023	Spirulina	186	78	87	(37)	0.11	355	(36)	(0.03)	(15)	
NCS ZC 73024	pollen	20	10.8	6.2	(12)	212	27	(8)		3.2	
NCS ZC 73025	Gineseng	3.2	1.7	(8)	(9)	55	5.5			4	
NCS ZC 73026	Huang-qi	122	60	32	(20)	0.113	160	(26)		(12)	
		Ho(10 ⁻⁹)	I(10 ⁻⁶)	K(10 ⁻²)	La(10 ⁻⁶)	Li(10 ⁻⁶)	Lu(10 ⁻⁹)	Mg(10 ⁻²)	Mn(10 ⁻⁶)	Mo(10 ⁻⁶)	
NCS ZC 73023	Spirulina	33	0.54	1.41	4.8	0.24	9.5	0.287	31.7	0.3	
NCS ZC 73024	pollen	3.8	(0.16)	0.585	0.17	0.21	1.22	0.163	22.7	0.42	
NCS ZC 73025	Gineseng	0.67	(0.1)	0.96	0.045	0.087	(0.3)	0.137	21	0.18	
NCS ZC 73026	Huang-qi	23	0.3	0.7	1.07	1.25	9	0.228	33	5.7	
		N(10 ⁻²)	Na(10 ⁻²)	Nd(10 ⁻⁶)	Ni(10 ⁻⁶)	P(10 ⁻²)	Pb(10 ⁻⁶)	Pr(10 ⁻⁹)	Rb(10 ⁻⁶)	S(10 ⁻²)	
NCS ZC 73023	Spirulina	10.6	1.9	2.4	1.44	1.17	2.8	705	1.5	0.78	
NCS ZC 73024	pollen	4.3	(0.009)	0.14	0.5	0.65	0.25	38	6.4	0.38	
NCS ZC 73025	Gineseng	1.9	0.0077	0.024	1.11	0.263	0.12	6.5	4.1	0.11	
NCS ZC 73026	Huang-qi	2.35	0.145	0.9	2.26	0.225	1.44	231	10.5	0.193	
		Sb(10 ⁻⁶)	Sc(10 ⁻⁶)	Se(10 ⁻⁶)	Si(10 ⁻²)	Sm(10 ⁻⁹)	Sn(10 ⁻⁶)	Sr(10 ⁻⁶)	Tb(10 ⁻⁹)	Th(10 ⁻⁶)	
NCS ZC 73024	pollen	0.083	0.25	0.24	(0.23)	354	(0.2)	36	41	0.17	
NCS ZC 73025	Gineseng	0.014	0.068	0.03	(0.15)	30		13.2	3.7	0.53	
NCS ZC 73026	Huang-qi	(0.008)	(0.017)	0.012	(0.034)	4.5	(0.02)	33	0.65	(0.008)	
		0.063	(0.30)	0.071	(0.71)	172	(0.10)	51	22	0.3	
		Ti(10 ⁻⁶)	Tl(10 ⁻⁶)	Tm(10 ⁻⁹)	U(10 ⁻⁹)	V(10 ⁻⁶)	Y(10 ⁻⁶)	Yb(10 ⁻⁹)	Zn(10 ⁻⁶)	Ash(%)	
NCS ZC 73023	Spirulina	34	51	10	31	0.7	0.9	62	42	(8.8)	
NCS ZC 73024	pollen	20	11	1.4	12	0.46	0.12	9.8	31	(3.2)	
NCS ZC 73025	Gineseng	5.8	8.2	(0.3)	3.5	0.073	0.16	1.8	11.1	(3.0)	
NCS ZC 73026	Huang-qi	102	51	8.8	122	2.56	0.6	62	22.3	(5.16)	
Number	Name	Chemical Composition(ug/g)								Unit Size (in g)	
		K*	Na*	P*	Cl*	Ca	Mg	Cu	Zn	Mn	
NCS ZC 71001	Beef Liver	1.05	0.22	1.30	0.29	189	668	91.6	192	8.92	25
		Fe	Se	Mo	Sr	Co	S*	Ni	Al	Br	
NCS ZC 71001	Beef Liver	346	0.56	3.76	0.53	0.254	(1.27)	(0.28)	(12)	(5.6)	
		Ba	Cd	Hg	Rb	Pb	F	Ti			
NCS ZC 71001	Beef Liver	(3.4)	(0.388)	(0.18)	(26)	(0.54)	(17)	(0.63)			

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Number	Name	Chemical Composition									Unit Size (in g)
		Ag(10 ⁻⁹)	Al(10 ⁻²)	As(10 ⁻⁶)	B(10 ⁻⁶)	Ba(10 ⁻⁶)	Be(10 ⁻⁹)	Bi(10 ⁻⁹)			
NCS ZC 73031	Carrot	(0.006)	(0.046)	0.11±0.02	18.1±1.1	24±3	6.5±1.5	(2.5)			35
NCS ZC 73031	Carrot	Br(10 ⁻⁶) (2.4)	Ca(10 ⁻²) 0.255±0.010	Cd(10 ⁻⁶) 0.034±0.004	Ce(10 ⁻⁶) 177±38	Cl(10 ⁻²) (0.23)	Co(10 ⁻⁹) 66±7	Cr(10 ⁻⁶) 1.04±0.13	Cs(10 ⁻⁹) 42±4	Cu(10 ⁻⁶) 4.1±0.3	
NCS ZC 73031	Carrot	Dy(10 ⁻⁹) 11.0±1.4	Er(10 ⁻⁹) 5.6±0.6	Eu(10 ⁻⁹) 7.6±2.3	Fe(10 ⁻⁶) 148±15	Gd(10 ⁻⁹) 14.5±2.8	Ge(10 ⁻⁹) 6.6±1.5	Hg(10 ⁻⁹) 3.2±0.8	Ho(10 ⁻⁹) 2.0±0.2	I(10 ⁻⁶) (0.08)	
NCS ZC 73031	Carrot	K(10 ⁻²) 1.08±0.04	La(10 ⁻⁹) 114±24	Li(10 ⁻⁶) 0.16±0.02	Lu(10 ⁻⁹) (0.8)	Mg(10 ⁻²) 0.091±0.003	Mn(10 ⁻⁶) 12.1±0.5	Mo(10 ⁻⁶) 0.10±0.01	N(10 ⁻²) (1.06)	Na(10 ⁻²) 0.65±0.03*	
NCS ZC 73031	Carrot	Nb(10 ⁻⁹) 24±4	Nd(10 ⁻⁹) 79±9	Ni(10 ⁻⁶) 0.67±0.10	P(10 ⁻²) 0.23±0.02	Pb(10 ⁻⁶) 0.43±0.07	Pr(10 ⁻⁹) 21±3	Rb(10 ⁻⁶) 6.9±0.5	S(10 ⁻²) (0.1)	Sb(10 ⁻⁹) (15)	
NCS ZC 73031	Carrot	Sc(10 ⁻⁹) (32)	Se(10 ⁻⁶) 0.031±0.010	Si(10 ⁻²) (0.156)	Sm(10 ⁻⁹) 14.3±2.3	Sn(10 ⁻⁹) (22)	Sr(10 ⁻⁶) 22±2	Tb(10 ⁻⁹) 2.1±0.5	Th(10 ⁻⁹) 28±6	Ti(10 ⁻⁶) (12)	
NCS ZC 73031	Carrot	Tl(10 ⁻⁹) 10.7±2.1	Tm(10 ⁻⁹) 0.83±0.14	U(10 ⁻⁹) 9.8±1.7	V(10 ⁻⁶) (0.21)	Y(10 ⁻⁶) 0.09±0.02	Yb(10 ⁻⁹) 5.5±0.8	Zn(10 ⁻⁶) 11.2±0.5			
Number	Name	Chemical Composition(ug/g)									Unit Size (in g)
		α-666	β-666	γ-666	δ-666	PCB28	PCB52*	P,P'-DDE	P,P'-DDD	O,P'-DDT	
NCS ZC71002	Organochlorine	175	395	33.2	42.1	74	13.2	108	114	160	20
NCS ZC71003	Pesticides and	650	907	161	104	16.2	382	228	493		20
NCS ZC71004	Polychlorinated	229	561	51.8	49	11.8 x 10 ²		369	107	146	20
NCS ZC71005	Biphenyls										
NCS ZC71005	Congeners in soil	8.4	15.5	6.5	3.9*	400		342	36	24	20
NCS ZC71006	Organochlorine										
NCS ZC71006	Pesticides in soil	23.1 x 10 ²	684	176	20.6			360	295	52	20
NCS ZC71007	Polychlorinated										
NCS ZC71007	Biphenyls					9.1 x 10 ²					20
NCS ZC71007	Congeners in soil										
NCS ZC71002	Organochlorine	609									
NCS ZC71003	Pesticides and	21.2 x 10 ²									
NCS ZC71004	Polychlorinated	511	291	109	126	16.5	18.6	7			
NCS ZC71005	Biphenyls										
NCS ZC71005	Congeners in soil	225	253	230	192	118	151	41.3			
NCS ZC71006	Organochlorine	232									
NCS ZC71006	Pesticides in soil										
NCS ZC71007	Polychlorinated										
NCS ZC71007	Biphenyls		6.2 x 10 ²	5.6 x 10 ²	396	276		102	384		
NCS ZC71007	Congeners in soil										

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Number	Name	Chemical Composition(ug/g)										Unit Size (in g)
		Ag	As	B	Ba	Be	Bi	Br	Cd	Ce		
NCS ZC71008	Agricultural Soils	0.56±0.06	22.5±0.5	41±4	448±12	2.15±0.11	1.68±0.07	4.5±0.3	2.02±0.10	67±4	50	
NCS ZC71009	Agricultural Soils	0.44±0.04	83.4±2.4	60±4	502±16	2.62±0.12	47.8±2.4	6.0±0.5	14.2±0.7	83±4	50	
NCS ZC71010	Agricultural Soils	0.91±0.11	12.5±0.4	66±4	480±20	2.32±0.09	0.58±0.08	5.2±0.5	0.276±0.029	79±5	50	
NCS ZC71011	Agricultural Soils	0.259±0.020	41.9±1.3	92±4	351±9	1.55±0.06	1.99±0.09	1.8±0.5	0.276±0.012	87±5	50	
NCS ZC71012	Agricultural Soils	7.5±0.9	222±7	50±3	713±21	1.75±0.08	6.0±0.5	1.8±0.6	0.62±0.04	70.2±2.9	50	
NCS ZC71013	Agricultural Soils	0.128±0.019	19.3±1.1	70±4	386±12	2.79±0.14	0.62±0.05	4.55±0.29	0.398±0.020	87±4	50	
		Cl	Co	Cr	Cu	Dy	Er	Eu	F	Ga	Gd	
NCS ZC71008	Agricultural Soils	94±6	13.4±0.6	70±5	76±5	4.13±0.23	2.36±0.10	1.14±0.03	532±26	13.2±0.6	4.55±0.23	
NCS ZC71009	Agricultural Soils	69±6	14.4±0.5	92±4	69.8±2.1	5.63±0.18	3.15±0.05	1.48±0.06	566±10	19.5±0.6	6.15±0.26	
NCS ZC71010	Agricultural Soils	119±7	13.7±0.5	78.2±2.9	104±5	5.53±0.14	3.10±0.12	1.44±0.04	520±21	16.7±0.6	6.03±0.28	
NCS ZC71011	Agricultural Soils	45±4	13.4±0.5	59.0±2.6	69±3	5.04±0.21	2.99±0.11	1.16±0.04	353±17	12.6±0.8	5.27±0.28	
NCS ZC71012	Agricultural Soils	52±5	9.17±0.29	27.5±0.9	301±11	3.23±0.16	1.79±0.07	1.44±0.05	762±45	21.5±1.0	4.20±0.27	
NCS ZC71013	Agricultural Soils	34±5	23.9±1.0	87.0±1.5	53.1±1.3	5.41±0.25	3.16±0.15	1.40±0.06	0.128*±0.009*	21.8±1.0	5.8±0.4	
		Ge	Hg	Ho	I	La	Li	Lu	Mn	Mo	N (%)	
NCS ZC71008	Agricultural Soils	1.33±0.10	0.205±0.013	0.83±0.07	2.77±0.13	36.7±1.1	38.4±2.1	0.361±0.023	648±13	4.28±0.19	0.281±0.010	
NCS ZC71009	Agricultural Soils	1.61±0.14	0.62±0.04	1.12±0.07	2.19±0.10	45.5±2.3	46.7±1.8	0.459±0.021	438±12	1.1±0.4	0.276±0.009	
NCS ZC71010	Agricultural Soils	1.48±0.07	3.44±0.25	1.09±0.07	1.58±0.11	42.7±2.4	41.1±1.9	0.456±0.026	517±14	0.63±0.06	0.218±0.008	
NCS ZC71011	Agricultural Soils	1.35±0.12	0.074±0.006	1.02±0.04	1.11±0.10	42.3±2.2	29.9±1.0	0.45±0.03	424±13	1.40±0.09	0.120±0.004	
NCS ZC71012	Agricultural Soils	1.35±0.07	0.087±0.010	0.63±0.04	1.37±0.15	40.3±1.5	18.7±1.0	0.272±0.015	725±23	26.4±1.7	613**±19**	
NCS ZC71013	Agricultural Soils	1.72±0.07	0.133±0.014	1.12±0.07	3.54±0.28	43.0±2.6	49.0±2.4	0.49±0.04	0.117*±0.004*	1.42±0.09	0.154±0.005	
		Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	
NCS ZC71008	Agricultural Soils	11.5±0.3	28.7±1.2	28.7±1.3	887±23	92±5	7.7±0.4	78±5	0.111*±0.004*	3.4±0.4	10.0±0.5	
NCS ZC71009	Agricultural Soils	17.0±0.9	37.8±1.5	40.9±1.6	660±22	372±19	10.0±0.4	114±4	502±12	22.1±1.9	15.4±1.2	
NCS ZC71010	Agricultural Soils	16.4±0.8	36.9±1.5	34.7±1.2	833±13	153±6	9.9±0.3	101±4	447±16	2.03±0.25	12.6±0.5	
NCS ZC71011	Agricultural Soils	19.5±1.4	34.2±1.6	19.2±0.7	420±14	42.4±2.1	9.3±0.5	72±4	364±28	1.62±0.08	9.3±0.6	
NCS ZC71012	Agricultural Soils	14.8±0.6	29.1±1.5	9.9±0.4	0.106*±0.004*	340±11	8.0±0.4	109±5	0.301*±0.021*	27.3±2.2	7.3±0.3	
NCS ZC71013	Agricultural Soils	18.1±1.0	37.1±1.8	43.9±1.2	863±25	40.9±2.0	9.9±0.5	129±8	222±21	2.08±0.22	16.2±0.7	
		Se	Sm	Sn	Sr	Tb	Th	Tl	Tm	U	V	
NCS ZC71008	Agricultural Soils	1.96±0.18	5.40±0.20	7.6±0.5	236±4	0.74±0.05	11.0±0.7	1.26±0.05	0.363±0.023	3.19±0.22	86.6±2.9	
NCS ZC71009	Agricultural Soils	1.86±0.18	7.03±0.25	27.9±2.3	99.3±2.2	0.99±0.07	15.0±0.7	1.28±0.06	0.479±0.022	2.93±0.09	112±4	
NCS ZC71010	Agricultural Soils	0.44±0.04	6.95±0.20	54±5	103±3	0.97±0.07	13.5±0.6	0.65±0.04	0.47±0.03	2.64±0.14	95.1±2.6	
NCS ZC71011	Agricultural Soils	0.412±0.028	6.20±0.29	5.1±0.5	72.1±1.8	0.85±0.04	13.5±0.7	0.536±0.023	0.461±0.025	2.86±0.12	81.4±2.9	
NCS ZC71012	Agricultural Soils	2.82±0.21	5.08±0.26	10.0±0.6	260±5	0.606±0.024	9.9±0.4	0.977±0.023	0.274±0.018	3.19±0.12	91±5	
NCS ZC71013	Agricultural Soils	0.52±0.07	6.7±0.4	11.0±1.3	120±3	0.93±0.04	14.6±0.7	0.94±0.04	0.49±0.04	3.73±0.13	132±4	
		W	Y	Yb	Zn	Zr	F (water soluble)	SiO ₂ (%)	Al ₂ O ₃ (%)	TFe ₂ O ₃ (%)	MgO (%)	
NCS ZC71008	Agricultural Soils	4.6±0.5	23.7±1.4	2.30±0.07	201±6	169±5	8.3±1.2	43.85±0.27	10.31±0.11	4.83±0.07	1.24±0.04	
NCS ZC71009	Agricultural Soils	2.56±0.10	30.0±1.2	3.01±0.08	221±7	232±7	8.7±1.1	62.54±0.22	15.41±0.09	5.24±0.11	0.932±0.023	
NCS ZC71010	Agricultural Soils	2.31±0.12	29.1±1.4	2.95±0.15	230±7	270±7	6.8±0.8	66.9±0.4	13.17±0.12	4.97±0.14	0.973±0.020	
NCS ZC71011	Agricultural Soils	3.13±0.19	28.1±1.1	2.92±0.12	89.7±2.5	377±17	1.89±0.28	77.1±0.4	9.45±0.10	3.89±0.08	0.512±0.011	
NCS ZC71012	Agricultural Soils	4.63±0.25	16.7±1.0	1.76±0.10	260±7	222±11	1.53±0.23	61.5±0.5	15.30±0.14	9.06±0.20	0.783±0.019	
NCS ZC71013	Agricultural Soils	2.28±0.13	28.8±1.6	3.13±0.18	117±4	212±12	4.3±0.6	61.5±0.6	16.27±0.14	7.23±0.12	1.223±0.015	
		CaO (%)	Na ₂ O (%)	K ₂ O (%)	TC (%)	Corg (%)	Ti (%)					
NCS ZC71008	Agricultural Soils	15.0±0.5	0.709±0.013	1.628±0.019	7.90±0.28	4.73±0.24	0.315±0.007					
NCS ZC71009	Agricultural Soils	1.000±0.025	1.00±0.04	1.78±0.04	2.81±0.13	2.75±0.15	0.493±0.020					
NCS ZC71010	Agricultural Soils	1.085±0.018	1.19±0.04	1.732±0.018	2.45±0.11	2.36±0.10	0.476±0.020					
NCS ZC71011	Agricultural Soils	0.412±0.010	0.475±0.012	1.45±0.04	1.11±0.06	1.07±0.06	0.571±0.029					
NCS ZC71012	Agricultural Soils	1.420±0.028	1.11±0.04	3.11±0.06	0.62±0.04	0.59±0.04	0.410±0.020					
NCS ZC71013	Agricultural Soils	1.28±0.03	0.35±0.04	2.62±0.06	1.29±0.07	1.12±0.04	0.546±0.017					

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Number	Name	Chemical Composition(ug/g)										Unit Size (in g)
		Ag	As	B	Ba	Be	Bi	Br	Cd	Ce		
NCS ZC71014	Agricultural Soils	0.088±0.011	8.8±0.4	38.2±2.2	592±21	1.75±0.11	0.259±0.014	5.2±0.4	0.238±0.015	56.5±2.7	50	
NCS ZC71015	Agricultural Soils	5.4±0.5	398±19	64.1±2.3	713±19	1.90±0.12	10.9±0.7	4.5±0.4	2.14±0.08	70±4	50	
NCS ZC71016	Agricultural Soils	0.46±0.05	13.8±0.9	29.8±2.3	863±16	1.99±0.09	0.559±0.028	5.1±0.5	2.71±0.19	73.8±2.8	50	
NCS ZC71017	Agricultural Soils	0.162±0.014	6.2±0.3	26.2±2.2	515±20	3.70±0.17	0.77±0.05	3.93±0.17	0.293±0.016	135±8	50	
NCS ZC71018	Agricultural Soils	1.61±0.18	349±24	65±5	511±23	2.12±0.13	3.29±0.21	2.83±0.19	2.58±0.12	83±7	50	
NCS ZC71019	Agricultural Soils	2.21±0.24	8.9±0.5	11.5±1.0	521±29	2.25±0.14	9.6±0.6	2.1±0.3	0.636±0.027	61±5	50	
		Cl	Co	Cr	Cu	Dy	Er	Eu	F	Ga	Gd	
NCS ZC71014	Agricultural Soils	91±7	10.1±0.4	60.6±2.1	21.7±0.9	3.79±0.15	2.19±0.09	1.12±0.05	450±29	14.2±0.9	4.20±0.21	
NCS ZC71015	Agricultural Soils	74±6	15.0±0.9	65.3±2.5	76±4	4.59±0.15	2.64±0.10	1.36±0.06	504±25	15.5±1.1	5.04±0.20	
NCS ZC71016	Agricultural Soils	98±7	12.5±0.5	60.0±2.3	244±21	3.87±0.14	2.11±0.05	1.41±0.06	757±59	16.0±0.9	4.77±0.26	
NCS ZC71017	Agricultural Soils	74±7	11.7±0.5	39.9±2.6	56.3±2.8	6.7±0.5	3.68±0.23	1.69±0.10	547±19	24.2±1.1	7.8±0.6	
NCS ZC71018	Agricultural Soils	54±5	16.1±0.6	215±12	244±11	4.39±0.26	2.55±0.15	1.21±0.08	441±22	15.8±0.7	4.8±0.4	
NCS ZC71019	Agricultural Soils	52±3	8.74±0.28	43.5±2.0	74±4	3.43±0.22	2.04±0.13	0.87±0.06	440±21	14.7±0.7	3.65±0.25	
		Ge	Hg	Ho	I	La	Li	Lu	Mn	Mo	N (%)	
NCS ZC71014	Agricultural Soils	1.22±0.12	0.052±0.005	0.76±0.04	2.72±0.17	30.5±1.8	23.9±1.3	0.339±0.017	503±17	0.54±0.04	0.107±0.005	
NCS ZC71015	Agricultural Soils	1.40±0.10	0.101±0.009	0.92±0.04	2.38±0.10	36.5±1.9	33.3±1.7	0.406±0.017	0.104*±0.004*	1.30±0.12	0.126±0.006	
NCS ZC71016	Agricultural Soils	1.27±0.09	0.061±0.007	0.76±0.04	2.73±0.18	39.5±1.8	23.7±1.1	0.314±0.017	864±20	2.53±0.08	0.243±0.008	
NCS ZC71017	Agricultural Soils	1.40±0.07	0.157±0.014	1.26±0.12	1.79±0.12	69.8±2.9	25.1±1.3	0.57±0.04	498±18	2.49±0.12	0.170±0.006	
NCS ZC71018	Agricultural Soils	1.69±0.08	0.231±0.022	0.90±0.06	1.96±0.10	46±4	43.3±1.7	0.396±0.023	417±19	2.67±0.10	0.149±0.006	
NCS ZC71019	Agricultural Soils	2.09±0.10	0.085±0.010	0.70±0.05	2.86±0.12	32.7±1.9	21.6±1.3	0.340±0.023	0.297*±0.010*	7.3±0.3	693**±22**	
		Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	
NCS ZC71014	Agricultural Soils	10.9±0.6	26.1±1.3	23.9±0.9	0.105*±0.004*	23.2±1.2	7.0±0.3	85.6±1.7	238±37	0.69±0.04	9.4±0.5	
NCS ZC71015	Agricultural Soils	16.5±0.6	32.0±1.1	29.9±1.0	0.110*±0.004*	0.105*±0.004*	8.46±0.23	98.1±2.3	470±31	6.3±0.4	10.8±0.7	
NCS ZC71016	Agricultural Soils	13.1±0.9	33.3±1.3	22.8±1.4	0.339*±0.008*	50.9±1.2	8.9±0.4	85.1±1.4	644±65	0.84±0.04	9.7±0.6	
NCS ZC71017	Agricultural Soils	24.2±1.0	53±4	17.2±0.9	0.125*±0.007*	60±4	14.9±1.7	154±11	308±23	0.72±0.06	12.2±0.6	
NCS ZC71018	Agricultural Soils	18.9±0.9	33.3±2.2	90.6±2.6	607±14	166±11	9.3±1.2	99±5	281±16	7.8±0.7	11.5±0.5	
NCS ZC71019	Agricultural Soils	19.4±1.1	24.5±1.7	10.9±0.8	430±17	467±21	6.9±0.9	127±5	468±49	0.59±0.07	7.2±0.4	
		Se	Sm	Sn	Sr	Tb	Th	Tl	Tm	U	V	
NCS ZC71014	Agricultural Soils	0.259±0.016	4.92±0.19	2.63±0.19	262±7	0.667±0.025	8.1±0.5	0.558±0.013	0.337±0.011	1.46±0.08	66.4±1.4	
NCS ZC71015	Agricultural Soils	0.62±0.08	5.92±0.19	2.95±0.15	163±11	0.81±0.05	9.9±0.7	0.598±0.016	0.408±0.016	2.07±0.10	88±4	
NCS ZC71016	Agricultural Soils	0.495±0.029	5.78±0.19	2.3±0.4	304±9	0.710±0.023	7.52±0.27	0.699±0.018	0.321±0.018	1.93±0.13	76.1±2.0	
NCS ZC71017	Agricultural Soils	0.45±0.04	9.4±0.5	9.1±0.6	80±4	1.22±0.09	36.7±1.5	1.25±0.06	0.54±0.05	10.1±0.5	100±5	
NCS ZC71018	Agricultural Soils	1.19±0.08	5.88±0.28	5.6±0.4	79±5	0.76±0.05	15.7±0.7	0.83±0.05	0.394±0.027	4.27±0.18	96±5	
NCS ZC71019	Agricultural Soils	2.02±0.21	4.5±0.4	20.3±1.5	74±4	0.60±0.08	13.9±0.7	1.06±0.05	0.326±0.022	3.14±0.17	55±3	
		W	Y	Yb	Zn	Zr	F (water soluble)	SiO ₂ (%)	Al ₂ O ₃ (%)	TFe ₂ O ₃ (%)	MgO (%)	
NCS ZC71014	Agricultural Soils	1.39±0.12	20.4±1.1	2.17±0.09	64.4±2.0	246±10	7.2±1.0	67.41±0.26	11.77±0.10	3.68±0.07	1.85±0.08	
NCS ZC71015	Agricultural Soils	3.25±0.14	23.9±1.3	2.61±0.08	269±8	296±13	8.7±1.0	67.4±0.4	11.94±0.11	6.37±0.15	1.53±0.07	
NCS ZC71016	Agricultural Soils	2.57±0.12	20.1±0.8	2.05±0.07	302±9	247±14	3.3±0.7	59.7±0.4	12.57±0.26	4.78±0.12	3.76±0.13	
NCS ZC71017	Agricultural Soils	3.92±0.22	34.5±2.1	3.6±0.6	133±8	304±18	5.1±0.7	61.8±0.4	18.52±0.15	4.74±0.11	0.609±0.027	
NCS ZC71018	Agricultural Soils	6.7±0.5	22.4±1.9	2.5±0.5	261±12	276±15	2.2±0.5	69.52±0.26	12.34±0.14	5.98±0.14	1.34±0.04	
NCS ZC71019	Agricultural Soils	8.7±0.8	17.8±1.3	2.2±0.4	224±12	287±20	3.9±0.5	72.28±0.24	10.52±0.13	6.54±0.20	0.697±0.022	
		CaO (%)	Na ₂ O (%)	K ₂ O (%)	TC (%)	Corg (%)	Ti (%)					
NCS ZC71014	Agricultural Soils	3.65±0.10	2.17±0.07	2.39±0.10	1.56±0.11	1.04±0.04	0.330±0.012					
NCS ZC71015	Agricultural Soils	1.22±0.06	1.52±0.07	3.17±0.07	1.23±0.06	1.18±0.05	0.495±0.015					
NCS ZC71016	Agricultural Soils	3.73±0.10	2.21±0.09	2.74±0.09	2.66±0.10	2.23±0.10	0.397±0.018					
NCS ZC71017	Agricultural Soils	0.376±0.019	0.605±0.028	2.65±0.06	1.61±0.05	0.91±0.04	0.536±0.022					
NCS ZC71018	Agricultural Soils	0.414±0.023	0.470±0.017	1.79±0.06	1.44±0.05	0.79±0.04	0.492±0.026					
NCS ZC71019	Agricultural Soils	1.51±0.05	0.428±0.014	2.46±0.07	0.84±0.04	0.468±0.024	0.306±0.013					

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Number	Name	Chemical Composition(ug/g)										Unit Size (in g)
		Ag	As	B	Ba	Be	Bi	Br	Cd	Ce		
NCS ZC71020	Agricultural Soils	0.093±0.008	14.9±0.8	63±7	184±7	3.40±0.18	0.483±0.025	4.6±0.3	0.57±0.03	116±8	50	
NCS ZC71021	Agricultural Soils	0.155±0.024	83±6	106±8	531±20	2.57±0.17	0.611±0.028	4.2±0.4	1.47±0.06	98±5	50	
NCS ZC71022	Agricultural Soils	0.16±0.02	55.7±2.4	77±6	471±20	3.83±0.25	0.85±0.04	4.0±0.5	12.1±0.4	107±6	50	
NCS ZC71023	Agricultural Soils	0.094±0.005	4.45±0.28	23.3±1.1	733±18	1.78±0.06	0.173±0.007	2.86±0.13	0.130±0.007	59.3±2.9	50	
NCS ZC71024	Agricultural Soils	1.07±0.07	30.0±0.6	44.6±1.8	783±22	2.11±0.12	2.38±0.08	9.0±0.4	26.2±0.9	77.8±2.4	50	
NCS ZC71025	Agricultural Soils	0.399±0.022	9.88±0.28	34.9±2.0	765±17	2.09±0.08	1.06±0.04	5.5±0.4	1.99±0.07	71.7±2.1	50	
		Cl	Co	Cr	Cu	Dy	Er	Eu	F	Ga	Gd	
NCS ZC71020	Agricultural Soils	51±7	32.8±1.2	152±6	98±5	8.8±0.7	4.6±0.4	2.80±0.20	878±62	23.1±1.1	9.7±0.7	
NCS ZC71021	Agricultural Soils	52±7	19.9±0.9	86.1±2.7	32.6±2.0	5.4±0.5	3.22±0.25	1.25±0.10	960±76	19.3±0.7	5.4±0.4	
NCS ZC71022	Agricultural Soils	42±8	23.9±1.0	106±4	52.2±2.6	7.6±0.6	4.23±0.27	1.87±0.13	883±56	25.8±1.0	8.0±0.6	
NCS ZC71023	Agricultural Soils	104±6	13.8±0.6	82.8±2.2	25.2±1.6	3.48±0.14	1.97±0.10	1.24±0.05	485±25	16.9±0.7	4.11±0.22	
NCS ZC71024	Agricultural Soils	410±32	13.4±0.4	61±4	63.1±1.9	4.42±0.12	2.57±0.08	1.32±0.06	503±16	16.6±0.7	5.11±0.22	
NCS ZC71025	Agricultural Soils	140±12	16.3±0.4	95.2±2.3	54.2±2.0	4.33±0.14	2.44±0.06	1.40±0.04	521±18	18.0±0.8	5.01±0.10	
		Ge	Hg	Ho	I	La	Li	Lu	Mn	Mo	N (%)	
NCS ZC71020	Agricultural Soils	1.59±0.12	0.249±0.019	1.72±0.16	1.85±0.12	60±4	56±4	0.61±0.06	560±23	3.62±0.28	0.268±0.009	
NCS ZC71021	Agricultural Soils	1.62±0.08	12.2±1.0	1.13±0.09	1.96±0.11	45±4	52.1±2.7	0.51±0.05	0.120*±0.005*	2.37±0.19	0.211±0.004	
NCS ZC71022	Agricultural Soils	1.89±0.13	0.395±0.020	1.53±0.12	4.85±0.18	55.6±2.5	67±4	0.64±0.06	0.675*±0.021*	2.87±0.27	0.158±0.005	
NCS ZC71023	Agricultural Soils	1.21±0.14	0.029±0.004	0.692±0.028	1.63±0.10	31.1±1.4	21.8±1.3	0.305±0.014	594±16	0.69±0.04	623**±29**	
NCS ZC71024	Agricultural Soils	1.54±0.06	4.64±0.27	0.88±0.04	2.54±0.11	41.5±1.3	35.1±1.7	0.404±0.017	820±21	14.1±0.7	0.129±0.004	
NCS ZC71025	Agricultural Soils	1.27±0.06	0.309±0.018	0.86±0.04	2.59±0.13	38.2±1.9	31.9±1.0	0.364±0.022	848±16	1.35±0.07	0.170±0.007	
		Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	
NCS ZC71020	Agricultural Soils	52±8	57±4	77.7±2.1	0.141*±0.005*	26.3±2.0	14.3±1.0	55±4	0.117*±0.011*	1.36±0.12	22.2±0.7	
NCS ZC71021	Agricultural Soils	19.7±1.2	34.8±2.7	38.1±1.6	0.106*±0.005*	248±8	9.5±0.7	131±8	437±24	6.3±0.5	13.4±0.7	
NCS ZC71022	Agricultural Soils	21.3±1.6	48±4	56.1±2.6	704±15	215±7	12.8±0.9	147±7	327±16	2.29±0.15	17.8±1.2	
NCS ZC71023	Agricultural Soils	11.8±0.4	27.8±1.1	29.9±0.9	811±20	19.7±0.8	7.33±0.20	87.1±2.1	160±25	0.41±0.04	10.8±0.4	
NCS ZC71024	Agricultural Soils	14.3±0.5	34.3±1.1	26.8±0.8	613±18	182±5	9.66±0.26	99±4	677±25	2.87±0.14	9.8±0.5	
NCS ZC71025	Agricultural Soils	13.8±0.7	33.4±1.2	38.3±1.4	0.152*±0.005*	53.9±1.6	8.85±0.27	97.7±2.6	379±28	1.95±0.06	11.9±0.5	
		Se	Sm	Sn	Sr	Tb	Th	Tl	Tm	U	V	
NCS ZC71020	Agricultural Soils	1.42±0.11	11.1±0.8	3.60±0.20	96±4	1.58±0.11	11.5±0.5	0.43±0.04	0.68±0.07	6.1±0.3	289±14	
NCS ZC71021	Agricultural Soils	0.659±0.029	6.4±0.5	3.94±0.24	80.3±2.8	0.92±0.08	18.5±0.9	1.42±0.08	0.51±0.04	4.74±0.20	112±6	
NCS ZC71022	Agricultural Soils	0.598±0.026	9.3±0.7	4.62±0.26	42.2±1.7	1.31±0.09	19.7±0.9	1.15±0.09	0.66±0.06	5.91±0.28	175±7	
NCS ZC71023	Agricultural Soils	0.143±0.020	5.06±0.13	2.22±0.10	343±8	0.632±0.026	8.0±0.5	0.528±0.020	0.306±0.015	1.49±0.06	81.4±2.3	
NCS ZC71024	Agricultural Soils	0.75±0.04	6.06±0.15	4.53±0.28	196±4	0.79±0.04	11.4±0.5	0.865±0.019	0.395±0.016	2.26±0.06	79±4	
NCS ZC71025	Agricultural Soils	0.451±0.022	6.03±0.15	5.22±0.16	267±6	0.781±0.019	9.8±0.5	0.625±0.019	0.367±0.017	2.06±0.11	91±4	
		W	Y	Yb	Zn	Zr	F (watersoluble)	SiO ₂ (%)	Al ₂ O ₃ (%)	TFe ₂ O ₃ (%)	MgO (%)	
NCS ZC71020	Agricultural Soils	1.51±0.12	45.2±2.9	4.2±0.4	185±4	369±20	2.29±0.25	53.61±0.4	14.34±0.23	12.09±0.23	0.906±0.016	
NCS ZC71021	Agricultural Soils	2.37±0.17	29.3±1.8	3.26±0.26	201±6	278±12	2.3±0.4	63.8±0.4	14.26±0.25	6.59±0.16	1.12±0.04	
NCS ZC71022	Agricultural Soils	2.87±0.17	40.8±2.5	4.2±0.4	941±34	277±16	1.91±0.29	55.9±0.4	17.68±0.28	9.77±0.10	1.09±0.04	
NCS ZC71023	Agricultural Soils	1.02±0.07	18.0±0.5	1.93±0.06	62.7±1.9	278±10	6.1±0.9	66.9±0.4	14.08±0.18	4.81±0.08	1.54±0.03	
NCS ZC71024	Agricultural Soils	3.28±0.20	23.3±0.6	2.54±0.11	0.100*±0.003*	335±6	10.9±1.6	66.9±0.5	13.26±0.04	4.42±0.08	1.29±0.04	
NCS ZC71025	Agricultural Soils	2.06±0.12	22.7±0.7	2.36±0.09	159±5	219±3	6.2±0.5	63.1±0.4	14.15±0.08	5.37±0.10	1.76±0.04	
		CaO (%)	Na ₂ O (%)	K ₂ O (%)	TC (%)	Corg (%)	Ti (%)					
NCS ZC71020	Agricultural Soils	0.541±0.016	0.187±0.010	1.61±0.06	3.85±0.13	2.10±0.08	1.78±0.05					
NCS ZC71021	Agricultural Soils	0.377±0.017	0.168±0.012	3.25±0.09	2.02±0.11	1.12±0.04	0.570±0.011					
NCS ZC71022	Agricultural Soils	0.483±0.021	0.146±0.016	2.25±0.06	1.37±0.06	0.710±0.022	0.618±0.015					
NCS ZC71023	Agricultural Soils	2.15±0.04	3.216±0.010	2.57±0.04	0.66±0.04	0.368±0.017	0.372±0.010					
NCS ZC71024	Agricultural Soils	1.67±0.05	1.99±0.05	2.66±0.07	1.60±0.07	0.84±0.04	0.431±0.008					
NCS ZC71025	Agricultural Soils	1.98±0.04	2.47±0.08	2.45±0.07	1.81±0.05	0.995±0.027	0.435±0.007					

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Number	Name	Chemical Composition								Unit Size (in g)	
		Ag(10 ⁻⁶)	Al(10 ⁻²)	As(10 ⁻⁶)	B(10 ⁻⁶)	Ba(10 ⁻⁶)	Be(10 ⁻⁹)	Bi(10 ⁻⁹)			
NCS ZC 73033	Scallion	(0.014)	(0.3)	0.52±0.11	25±2	36±5	59±11	(13)		35	
NCS ZC 73034	Prawn	(0.017)	(0.029)	(2.5)	2.0±0.3	2.3+0.3	4.9±0.8	(5.4)		12	
NCS ZC 73035	Pork liver		(0.012)	1.4±0.3	(0.6)	(0.24)	0.9±0.3	(0.9)		25	
		Br(10 ⁻⁶)	Ca(10 ⁻²)	Cd(10 ⁻⁶)	Ce(10 ⁻⁶)	Cl(10 ⁻²)	Co(10 ⁻⁶)	Cr(10 ⁻⁶)	Cs(10 ⁻⁶)	Cu(10 ⁻⁶)	
NCS ZC 73033	Scallion	20±2	2.28±0.09	0.19±0.02	2.1±0.3	(0.85)	0.59±0.04	2.6±0.4	0.19±0.02	5.5±0.3	
NCS ZC 73034	Prawn	8.5+1.1	0.30±0.01	0.039±0.002	0.13±0.03	(0.189)	0.044±0.005	0.35±0.11	0.027±0.002	10.3±0.7	
NCS ZC 73035	Pork liver	(2.8)	(0.023)	1.00±0.07	(0.005)	(0.17)	0.057±0.004	0.23±0.06	0.070±0.007	52±3	
		Dy(10 ⁻⁹)	Er(10 ⁻⁹)	Eu(10 ⁻⁹)	Fe(10 ⁻⁶)	Gd(10 ⁻⁹)	Ge(10 ⁻⁹)	Hg(10 ⁻⁹)	Ho(10 ⁻⁹)	I(10 ⁻⁶)	
NCS ZC 73033	Scallion	119±12	57±12	39±4	1010±55	155±34	(32)	12.0±2.3	22±4	(0.44)	
NCS ZC 73034	Prawn	7.9±0.5	4.4±0.4	2.5±0.3	112±12	10.5±1.2	6.0±1.4	49±8	1.5±0.2	(0.43)	
NCS ZC 73035	Pork liver	(0.3)	(0.2)	(0.2)	519±34	(0.6)	(12)	45±8	(0.14)	(0.18)	
		K(10 ⁻²)	La(10 ⁻⁶)	Li(10 ⁻⁶)	Lu(10 ⁻⁹)	Mg(10 ⁻²)	Mn(10 ⁻⁶)	Mo(10 ⁻⁶)	N(10 ⁻²)	Na(10 ⁻²)	
NCS ZC 73033	Scallion	2.1±0.1	1.16±0.10	1.6±0.2	(8)	0.27±0.01	173±7	0.12±0.03	(2.9)	(0.03)	
NCS ZC 73034	Prawn	0.49±0.01	0.066±0.005	0.15±0.01	0.64±0.21	0.169±0.006	8.9±0.3	0.037±0.012	(13.5)	0.31±0.02	
NCS ZC 73035	Pork liver	0.66±0.03	(0.004)	(0.02)		0.063±0.004	10.1±0.4	4.2±0.2	(11.2)	0.163±0.010	
		Nb(10 ⁻⁹)	Nd(10 ⁻⁶)	Ni(10 ⁻⁶)	P(10 ⁻²)	Pb(10 ⁻⁶)	Pr(10 ⁻⁹)	Rb(10 ⁻⁶)	S(10 ⁻²)	Sb(10 ⁻⁹)	
NCS ZC 73033	Scallion	(215)	0.91±0.11	(1.9)	0.36±0.02	1.34±0.16	235±29	9.4±0.8	0.46±0.04	(45)	
NCS ZC 73034	Prawn	16.5±4.0	0.056±0.006	(0.23)	0.77±0.03	0.20±0.05	14.5±1.1	1.4+0.1	(1)	(16)	
NCS ZC 73035	Pork liver		(0.003)	(0.1)	1.14±0.06	0.12±0.03	(0.6)	27±2	0.80±0.12	(12)	
		Sc(10 ⁻⁶)	Se(10 ⁻⁶)	Si(10 ⁻²)	Sm(10 ⁻⁹)	Sn(10 ⁻⁶)	Sr(10 ⁻⁶)	Tb(10 ⁻⁹)	Th(10 ⁻⁶)	Ti(10 ⁻⁶)	
NCS ZC 73033	Scallion	(0.26)	0.069±0.009	(1.1)	167±18	(0.07)	74±5	22±5	364±58	(62)	
NCS ZC 73034	Prawn	(0.02)	(5.1)	(0.048)	10.7±1.8	(0.024)	20±2	1.5±0.2	28±8	(17)	
NCS ZC 73035	Pork liver	(0.012)	1.54±0.29		(0.5)		0.51±0.04	(0.25)	(4.5)		
		Tl(10 ⁻⁹)	Tm(10 ⁻⁹)	U(10 ⁻⁹)	V(10 ⁻⁶)	Y(10 ⁻⁶)	Yb(10 ⁻⁹)	Zn(10 ⁻⁶)			
NCS ZC 73033	Scallion	37±8	7.8±1.5	(50)	(3)	0.61±0.14	57±17	25±1			
NCS ZC 73034	Prawn	2.0±0.5	0.69±0.18	9.7±0.8	0.24±0.07	0.09±0.02	4.1±0.8	76±4			
NCS ZC 73035	Pork liver	1.2±0.2		3.2±0.9	(0.078)	(0.04)	(0.17)	211±11			
		Composition (mg/kg)								Unit Size (in g)	
Number	Name	Cr	As	Cd	Hg	Pb	Cu	Ni	Se	K	
NCS ZC11016	Wheat	0.07	0.04	0.63	0.003#	0.24	5.5	0.48	0.04	0.34	35
NCS ZC11017	Wheat	0.22	0.05	0.09	0.003#	0.13	4.4	(0.15)	0.2	0.41	35
NCS ZC11018	Wheat	(0.06)	0.03	0.36	(0.003)	0.16	4.8	0.25	0.06	0.43	35
NCS ZC11019	Wheat	(0.03)	0.04	0.1	(0.002)	0.07	4.5	(0.17)	0.07	0.47	35
NCS ZC11020	Corn	(0.05)		0.28	0.004#	0.19	2.4	0.65	0.04	0.38	35
NCS ZC11021	Corn	0.07	0.04	0.11	0.003#	0.18	1.8	(0.18)	0.04	0.45	35
		Na	Ca	Mg	Fe	Zn	Mn	Al			
NCS ZC11016	Wheat	0.0033	0.044	0.13	0.0049	0.0073	0.004				
NCS ZC11017	Wheat	0.0028	0.046	0.14	0.0061	0.0037	0.0034				
NCS ZC11018	Wheat	0.0022	0.036	0.11	0.0052	0.0043	0.0025	0.023			
NCS ZC11019	Wheat	0.0019	0.042	0.14	0.0037	0.003	0.0029	0.013			
NCS ZC11020	Corn	0.0007	0.0057	0.11	0.0025	0.0043	0.0003				
NCS ZC11021	Corn	0.0007	0.0088	0.11	0.0024	0.0021	0.0005				

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Number	Name	Chemical Composition(µg/g)						Unit Size (in g)						
		Cr	TAs	Cd	Hg	Pb	As inorganic							
NCS ZC 11001	Rice	0.064	0.23	0.24	0.005	0.12	0.18	35						
NCS ZC 11002	Rice	0.056	0.25	0.41	0.0041	0.15	0.19	35						
NCS ZC 11003	Rice	0.046	0.16	0.32	0.0043	0.071	(0.13)	35						
NCS ZC 11004	Rice	0.043	0.15	0.42	0.0036	0.11	0.12	35						
NCS ZC 11005	Rice	0.040	0.19	0.87	0.0033	0.056	0.15	35						
NCS ZC 11006	Rice	0.050	0.18	0.48	0.004	0.042	0.14	35						
NCS ZC 11007	Rice	0.06	0.11	1.28	0.0037	0.10	(0.084)	35						
NCS ZC 11008	Rice	0.045	0.11	0.99	0.0037	0.071	0.08	35						
NCS ZC 11009	Rice	0.05	0.106	1.72	0.004	0.25	0.078	35						
NCS ZC 11010	Rice	0.063	0.105	2.16	0.0038	0.11	0.081	35						
NCS ZC 11011	Rice	0.053	0.16	0.62	0.0038	0.064	0.13	35						
NCS ZC 11012	Rice	0.034	0.15	0.030	0.0040	0.062	0.13	35						
NCS ZC 11013	Rice	0.052	0.12	0.22	0.003	0.049	(0.082)	35						
NCS ZC 11014	Rice	0.050	0.12	0.11	0.0027	0.037	0.089	35						
NCS ZC 11015	Rice	0.05	0.061	0.007	(0.0017)	0.11	0.046	35						
Number	Name	Chemical Composition(µg/g)			Unit Size (in g)									
		Pb	Cd	Cr										
NCS ZC 76024	Pb, Cd, Cr in wheat powder	1.63	0.074	0.095	30									
NCS ZC 76025	Pb, Cd, Cr in wheat powder	0.810	0.015	0.105	30									
Number	Name	Chemical Composition(µg/g)		Unit Size (in g)										
		Pb	As											
NCS ZC 83005	Pb, As in Cosmetic	37.2	9.0	10										
Number	Name	Chemical Composition(mg/mL)				Unit Size (in mL)								
NCS ZC 76011	Amaranth				0.50	5								
NCS ZC 76012	Ponceau 4R				0.50	5								
NCS ZC 76013	Tartra Zine				0.50	5								
NCS ZC 76014	Brilliant Blue				0.50	5								
NCS ZC 76015	Sunset Yellow				0.50	5								
Number	Name	Chemical Composition(µg/g)												Unit Size (in g)
		Zn	Se	Cr	Mg	Mn	As	Ca	Fe	Cu	Sr	Hg	Na	
NCS ZC 81002b	Human Hair	191	0.59	8.74	248	3.83	0.198	1537	160	33.6	8.17	1.06	445	7
		Pb	Ni	Cd	Al	Co	Mo	Sc*	Br	Sb	K	Ag	Ba	
NCS ZC 81002b	Human Hair	3.83	5.77	0.072	23.2	0.153	1.06		(0.59)	0.12	(14.4)	0.037	11.1	
		P	I	V	Cl	La	S***	Ti						
NCS ZC 81002b	Human Hair	174	0.96	(0.089)	(48.2)	(0.029)	(4.62)	(2.10)						

* Unit of Certified Value of the element is µg/kg
** Unit of Certified Value of the element is weight percent

Number	Name	Range Concentration(mg/L)		Unit Size (in mL)							
NCS ZC 85301	COD		70~200	20							
NCS ZC 85302	COD		50~150	20							
NCS ZC 85303	Phenol		0.01~1.5	20							
Number	Name	Chemical Composition(Percent)								Unit Size (in g)	
		Pb	Cd	Ni	Cr*	Co	Cu	Sb	As	Hg	
NCS ZC 93018	Metals in leather	94	86.6	95.5	56.3	91.4	97.1	89.6	90.7	93.5	2

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Number	Name	Composition (mg/kg)								Unit Size (in g)
		Cr	As	Cd	Hg	Pb	Cu	Ni	Se	
NCS ZC11022	Carrot	0.41	0.019	0.052	(0.0036)	0.046	3.1	0.52	0.026	35
NCS ZC11023	Celery	1.4	0.35	0.11	0.022				(0.12)	35
NCS ZC11024	Spinach	1.8	0.14	0.35	0.012	0.19	7.9	0.66	(0.11)	35
NCS ZC11025	Cabbage		0.019	0.029		0.022	3.9	1.04	0.12	35
NCS ZC11026	Agaric			0.11	0.015	3.4	4.1		0.25	35
NCS ZC11027	Salmon		0.63	0.027	0.036	(0.034)	4.9		0.41	35
NCS ZC11028	Chicken		0.007				1.7			35
NCS ZC11029	Beef		0.038				2.7			35
NCS ZC11030	Pork				0.0019		2.3	0.14		35
NCS ZC11031	Onion	1.2	0.11	0.016	0.0013	0.14	5.6	1.1		35
NCS ZC11032	Purple sweet potato		(0.03)		0.0012	0.054	4.2	0.62		35
NCS ZC11033	Mushroom	1.14	(0.28)	0.53	0.025	0.34	5.8	0.83	0.12	35
NCS ZC11034	Laver	8.2	38	0.49	0.013	0.94	10.5	(6.2)	0.1	35
NCS ZC11035	Tomato	0.62	0.05		0.0014	0.28	11.3	0.82	0.056	35
NCS ZC11036	Cucumber		0.47	0.012	0.0023	0.15	10.9	1.1	0.065	35
NCS ZC11037	Shrimp		11	0.056	0.14	0.11	4.8	1.3	1.5	35
NCS ZC11038	Kelp	2.1	22	0.63	0.044	1.4	2.3		0.07	35
NCS ZC11039	Peanut			0.062		0.013	9.3	0.48	0.065	35
NCS ZC11040	Duck liver		0.013	0.14	0.026	0.03	240	0.1	(3.2)	35
NCS ZC11041	Salmon		1		0.063		2.2	0.075	1.2	35
NCS ZC11042	Green tea	8.3		0.037		0.97	14.7			35
NCS ZC11043	Ginger		(0.53)	0.43	0.019	0.75	5.2		(0.89)	35
NCS ZC11044	Cumin	1.2	0.35	0.069		2.3	12.2		1.07	35
NCS ZC11045	Pumpkin			0.017		0.1	6.3			35
NCS ZC11046	Sea sedge	2.9	2.9	0.41	0.01	2.6	6.7			35
NCS ZC11047	Soybean	0.12		0.023			9.5			35
		Composition (%)								
		K	Na	Ca	Mg	Fe	Zn	Mn	Al	
NCS ZC11022	Carrot	1.82	(0.68)	0.25	0.099	0.0023	0.001	0.0012	0.0005	
NCS ZC11023	Celery	1.48	1.5	1.6	0.24	0.034	0.0029	0.0039	0.031	
NCS ZC11024	Spinach	2.6	0.92	1.2	0.62	0.024	0.0029	0.006	0.019	
NCS ZC11025	Cabbage	1.1	0.23	0.44	0.18	0.0072	0.0024	0.0017	0.0012	
NCS ZC11026	Agaric	(0.87)	0.051	1.01	0.28	0.063	0.0024	0.008	0.054	
NCS ZC11027	Salmon	1.04	0.39	0.65	0.18	0.0092	0.0032	0.0027	0.0016	
NCS ZC11028	Chicken	1.58	0.16	0.02	0.12	0.0021	0.0026	0.0005		
NCS ZC11029	Beef	1.36	0.16	0.014	0.11	0.0098	0.017	0.0004		
NCS ZC11030	Pork	1.41	0.18	0.016	0.09	0.0037	0.008			
NCS ZC11031	Onion	1.21								
NCS ZC11032	Purple sweet potato	0.56	0.15	0.12	0.09	0.0028	0.00068	0.0012	0.001	
NCS ZC11033	Mushroom	2.1	0.011	0.097	0.12	0.015	0.0056	0.0024	0.012	
NCS ZC11034	Laver	2.4	0.96	0.35	0.4	0.094	0.0029	0.0048		
NCS ZC11035	Tomato	4	0.33	0.19	0.25		0.0019	0.0019	0.0025	
NCS ZC11036	Cucumber	3.9	0.28	0.54	0.42	0.024	0.0043	0.0021	0.01	
NCS ZC11037	Shrimp	0.2	6.6	0.36	0.066	0.009	0.0039	0.00047		
NCS ZC11038	Kelp	2.8	4.9	1.4	0.56	0.024	0.0018	0.0041	0.025	
NCS ZC11039	Peanut	0.87		0.055	0.23	0.0027	0.0038	0.0013	0.0006	
NCS ZC11040	Duck liver	1.08	0.34	0.017	0.085	0.086	0.022	0.0016		
NCS ZC11041	Salmon	1.6	0.33	0.043	0.14	0.002	0.0015	0.00006		
NCS ZC11042	Green tea	2		0.47	0.22	0.026	0.0045	0.095	0.044	
NCS ZC11043	Ginger	1.64		0.18	0.28		0.0021	0.037	0.018	
NCS ZC11044	Cumin	2.1	0.42	1.1	0.47		0.0037	0.0043	(0.044)	
NCS ZC11045	Pumpkin	3.1		0.17	0.16	0.0065	0.0013	0.0005	0.0025	
NCS ZC11046	Sea sedge	1.4	0.6	1.3	2.6	0.093	0.0017	0.022	0.094	
NCS ZC11047	Soybean	1.9		0.19	0.26	0.011	0.0036	0.0029		

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Number	Name	Composition (µg/g)										Unit Size (in g)
		Ag	As	B	Ba	Be	Bi	Br	Cd	Ce		
NCS ZC71026	Agricultural Soils	0.78±0.08	503±24	52±4	600±16	2.30±0.10	4.37±0.26	4.9±0.4	2.61±0.13	64.2±2.8	50	
NCS ZC71027	Agricultural Soils	0.53±0.06	323±17	43±6	619±18	2.31±0.12	2.84±0.17	4.9±0.4	1.62±0.07	66±4	50	
NCS ZC71028	Agricultural Soils	0.20±0.03	89±5	32±4	658±14	2.51±0.16	0.97±0.10	4.60±0.29	0.53±0.02	68±5	50	
NCS ZC71029	Agricultural Soils	0.094±0.007	17.4±0.9	55±5	538±21	2.42±0.14	0.483±0.024	10.2±0.6	0.66±0.06	73±5	50	
NCS ZC71030	Agricultural Soils	0.131±0.011	10.3±0.5	62±6	924±34	2.28±0.15	0.50±0.04	7.1±0.9	6.48±0.20	73±5	50	
NCS ZC71031	Agricultural Soils	2.11±0.19	8.4±0.4	27.0±2.2	978±30	1.96±0.13	1.19±0.06	4.2±0.6	0.50±0.04	49±3	50	
		Cl	Co	Cr	Cu	Dy	Er	Eu	F	Ga		
NCS ZC71026	Agricultural Soils	83±7	12.0±0.9	55±3	128±8	5.1±0.2	2.90±0.15	1.39±0.08	439±47	17.0±0.7		
NCS ZC71027	Agricultural Soils	88±5	11.7±0.9	54.1±2.9	88±4	4.62±0.15	2.61±0.10	1.26±0.05	443±36	17.3±0.9		
NCS ZC71028	Agricultural Soils	77±6	11.2±1.6	55±4	37.5±1.9	4.39±0.24	2.51±0.10	1.18±0.06	429±59	17.6±0.8		
NCS ZC71029	Agricultural Soils	161±13	16.5±0.9	79±5	37.0±2.6	5.21±0.29	2.95±0.16	1.37±0.07	727±49	18.8±1.1		
NCS ZC71030	Agricultural Soils	99±8	50.8±1.7	79±4	30.0±2.3	5.00±0.25	2.88±0.13	1.33±0.07	506±22	15.6±0.7		
NCS ZC71031	Agricultural Soils	85±8	8.2±0.4	54±4	30.1±2.1	3.25±0.17	1.96±0.10	0.98±0.07	466±15	16.5±0.9		
		Gd	Ge	Hg	Ho	I	La	Li	Lu	Mn		
NCS ZC71026	Agricultural Soils	5.35±0.16	1.65±0.12	0.058±0.011	1.04±0.05	3.09±0.27	36.6±1.7	28.5±1.3	0.46±0.04	0.107*±0.004*		
NCS ZC71027	Agricultural Soils	4.88±0.22	1.61±0.15	0.10±0.04	0.92±0.06	2.65±0.23	35.4±2.4	29.0±1.7	0.414±0.021	963±41		
NCS ZC71028	Agricultural Soils	4.7±0.4	1.39±0.13	0.14±0.06	0.88±0.12	2.6±0.4	34.2±2.3	30.6±1.9	0.408±0.018	782±32		
NCS ZC71029	Agricultural Soils	5.6±0.4	1.35±0.07	0.031±0.005	1.04±0.07	3.00±0.21	38.8±2.5	46.9±2.8	0.45±0.04	873±30		
NCS ZC71030	Agricultural Soils	5.66±0.25	1.57±0.11	0.072±0.007	1.00±0.06	3.3±0.4	36.5±1.9	41.3±2.2	0.459±0.029	872±28		
NCS ZC71031	Agricultural Soils	3.4±0.2	1.31±0.13	2.50±0.13	0.69±0.03	2.49±0.26	25.2±1.6	22.7±1.4	0.331±0.019	654±28		
		Mo	N (%)	Nb	Nd	Ni	P(%)	Pb	Pr	Rb		
NCS ZC71026	Agricultural Soils	2.01±0.14	0.269±0.011	13.6±0.5	32.9±1.8	20.7±1.0	0.1074±0.0029	34.9±1.5	8.6±0.3	102±4		
NCS ZC71027	Agricultural Soils	1.82±0.18	0.285±0.012	13.4±0.6	30.6±1.6	20.5±1.0	0.1183±0.0007	33.2±1.3	8.0±0.4	103±4		
NCS ZC71028	Agricultural Soils	1.25±0.11	0.267±0.012	13.5±0.5	29.6±2.9	21.1±0.9	0.1175±0.0027	30.7±1.2	7.9±0.5	105±3		
NCS ZC71029	Agricultural Soils	0.84±0.07	0.184±0.004	13.4±1.0	33.6±1.9	41.1±1.3	0.155±0.004	30.8±1.5	8.9±0.5	121±8		
NCS ZC71030	Agricultural Soils	1.05±0.12	0.117±0.005	13.3±0.9	31.8±1.6	40.7±2.0	853**±29**	190±8	11.6±0.8	84±5		
NCS ZC71031	Agricultural Soils	0.71±0.08	683**±25**	10.8±1.0	21.3±1.1	18.5±0.9	256**±8**	179±7	5.73±0.22	103±5		
		S	Sb	Sc	Se	Sm	Sn	Sr	Tb	Th		
NCS ZC71026	Agricultural Soils	441±39	1.34±0.14	10.6±0.4	0.36±0.03	6.27±0.23	11.4±0.6	192±4	0.89±0.05	10.7±0.7		
NCS ZC71027	Agricultural Soils	429±43	1.18±0.09	9.7±0.5	0.29±0.05	5.81±0.16	9.9±1.2	202±5	0.8±0.04	10.8±0.5		
NCS ZC71028	Agricultural Soils	432±35	1.04±0.10	9.4±0.5	0.23±0.04	5.6±0.3	4.9±1.0	216±4	0.76±0.04	11.0±0.6		
NCS ZC71029	Agricultural Soils	384±32	1.49±0.07	14.5±0.6	0.297±0.022	6.5±0.4	3.39±0.20	184±7	0.92±0.05	14.4±1.1		
NCS ZC71030	Agricultural Soils	524±39	1.24±0.12	10.7±0.5	1.47±0.12	6.06±0.29	26.4±2.3	208±7	0.88±0.04	11.6±0.7		
NCS ZC71031	Agricultural Soils	390±27	0.66±0.07	7.6±0.5	0.26±0.03	3.96±0.16	2.61±0.20	232±10	0.56±0.04	7.6±0.4		
		Tl	Tm	U	V	W	Y	Yb	Zn	Zr		
NCS ZC71026	Agricultural Soils	0.62±0.03	0.45±0.026	2.69±0.16	74±4	5.9±0.5	27.9±1.0	2.91±0.14	353±9	272±6		
NCS ZC71027	Agricultural Soils	0.65±0.04	0.407±0.029	2.65±0.15	70±4	4.6±0.4	25.3±1.1	2.64±0.08	236±10	270±6		
NCS ZC71028	Agricultural Soils	0.692±0.027	0.39±0.06	2.52±0.12	69±4	2.60±0.17	23.8±1.3	2.50±0.10	133±6	273±8		
NCS ZC71029	Agricultural Soils	0.77±0.06	0.447±0.027	2.6±0.3	101±6	2.10±0.15	27.8±1.0	2.84±0.17	108±5	180±6		
NCS ZC71030	Agricultural Soils	0.59±0.04	0.451±0.021	2.47±0.16	87±4	1.72±0.08	26.8±1.2	2.88±0.14	312±11	837±30		
NCS ZC71031	Agricultural Soils	0.57±0.04	0.325±0.013	1.73±0.11	54.6±2.5	2.15±0.17	18.3±0.9	2.10±0.08	96±4	229±12		
		F(water soluble)	SiO ₂ (%)	Al ₂ O ₃ (%)	TFe ₂ O ₃ (%)	MgO (%)	CaO (%)	Na ₂ O (%)	K ₂ O (%)	TC (%)		
NCS ZC71026	Agricultural Soils	6.1±1.1	61.4±0.5	13.53±0.23	5.43±0.07	1.219±0.023	3.45±0.07	1.98±0.07	2.54±0.05	2.76±0.09		
NCS ZC71027	Agricultural Soils	6.1±1.0	61.7±0.5	13.46±0.20	4.93±0.06	1.162±0.019	2.92±0.05	1.99±0.07	2.60±0.06	3.38±0.14		
NCS ZC71028	Agricultural Soils	6.9±1.3	63.5±0.6	13.63±0.16	4.20±0.06	1.061±0.029	2.00±0.04	1.99±0.06	2.72±0.06	3.54±0.11		
NCS ZC71029	Agricultural Soils	7.6±1.7	52.7±0.4	14.28±0.29	5.79±0.15	2.63±0.11	6.78±0.22	1.18±0.06	2.67±0.09	2.88±0.15		
NCS ZC71030	Agricultural Soils	24±5	68.43±0.25	12.76±0.23	4.59±0.09	1.19±0.04	1.65±0.06	1.53±0.06	2.01±0.05	1.81±0.09		
NCS ZC71031	Agricultural Soils	10.2±1.4	71.58±0.29	13.19±0.18	3.57±0.10	0.707±0.019	0.94±0.05	2.04±0.07	2.98±0.10	0.68±0.04		

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Number	Name	Composition (µg/g)		Unit Size (in g)								
		Ag	As									
NCS ZC71026	Agricultural Soils	2.53±0.11	0.413±0.007									
NCS ZC71027	Agricultural Soils	3.11±0.13	0.390±0.008									
NCS ZC71028	Agricultural Soils	3.19±0.12	0.369±0.009									
NCS ZC71029	Agricultural Soils	1.65±0.07	0.377±0.012									
NCS ZC71030	Agricultural Soils	1.70±0.08	0.380±0.013									
NCS ZC71031	Agricultural Soils	0.66±0.04	0.264±0.012									
Number	Name	Composition (µg/g)										Unit Size (in g)
		Ag	As	B	Ba	Be	Bi	Br	Cd	Ce		
NCS ZC71032	Agricultural Soils	7.7±1.0	71.3±2.9	38±4	654±23	1.52±0.06	11.0±0.5	2.3±0.6	16.5±0.7	45.8±1.6	50	
NCS ZC71033	Agricultural Soils	0.098±0.008	13.5±0.4	65.8±2.9	477±12	2.37±0.09	0.427±0.022	6.7±0.5	0.218±0.010	78±3	50	
NCS ZC71034	Agricultural Soils	0.129±0.013	18.6±0.8	47±4	517±19	2.30±0.15	0.511±0.021	4.2±0.8	0.319±0.016	72±5	50	
NCS ZC71035	Agricultural Soils	0.42±0.03	11.9±0.4	48±5	0.182*±0.006*	2.99±0.24	4.0±0.5	2.32±0.27	0.68±0.07	235±10	50	
NCS ZC71036	Agricultural Soils	1.11±0.12	9.48±0.24	45±5	0.1277*±0.0027*	1.88±0.08	2.52±0.22	3.1±0.5	1.11±0.08	85±5	50	
NCS ZC71037	Agricultural Soils	1.39±0.17	27.2±1.4	61±6	556±17	2.43±0.17	2.58±0.21	2.63±0.25	13.3±0.7	80±8	50	
Number	Name	Composition (µg/g)										Unit Size (in g)
		Cl	Co	Cr	Cu	Dy	Er	Eu	F	Ga		
NCS ZC71032	Agricultural Soils	100±8	25.6±0.7	55.6±2.1	358±22	3.11±0.12	1.78±0.11	1.00±0.05	625±37	14.9±0.7		
NCS ZC71033	Agricultural Soils	91±7	13.38±0.27	69.1±2.6	25.9±1.0	5.3±0.3	3.04±0.15	1.32±0.07	640±20	17.5±1.0		
NCS ZC71034	Agricultural Soils	137±7	15.8±0.7	0.252*±0.010*	70±5	5.02±0.28	2.83±0.16	1.32±0.06	810±35	21.7±1.1		
NCS ZC71035	Agricultural Soils	55±4	16.6±1.3	75±5	47±4	6.5±0.6	3.64±0.22	2.62±0.18	0.102*±0.004*	18.2±1.8		
NCS ZC71036	Agricultural Soils	73±7	14.2±1.0	67±5	130±7	4.71±0.26	2.67±0.10	1.40±0.09	558±18	15.7±1.5		
NCS ZC71037	Agricultural Soils	63±8	17.3±0.8	121±6	106±4	5.6±0.6	3.19±0.21	1.40±0.11	603±18	18.1±1.9		
Number	Name	Composition (µg/g)										Unit Size (in g)
		Gd	Ge	Hg	Ho	I	La	Li	Lu	Mn		
NCS ZC71032	Agricultural Soils	3.47±0.18	1.89±0.07	6.36±0.29	0.62±0.03	0.94±0.13	23.8±0.9	29.4±1.4	0.264±0.016	0.101*±0.004*		
NCS ZC71033	Agricultural Soils	5.6±0.4	1.48±0.06	0.070±0.004	1.06±0.06	2.93±0.18	40.9±1.9	46.1±1.6	0.457±0.029	652±20		
NCS ZC71034	Agricultural Soils	5.5±0.4	2.33±0.14	0.121±0.008	1.00±0.07	2.0±0.4	38.2±1.7	46.5±2.0	0.42±0.04	717±22		
NCS ZC71035	Agricultural Soils	9.9±1.1	1.50±0.07	0.120±0.018	1.26±0.08	1.37±0.08	150±9	38.1±2.8	0.52±0.04	0.118*±0.003*		
NCS ZC71036	Agricultural Soils	5.3±0.7	1.34±0.05	6.3±0.4	0.96±0.08	1.61±0.09	49±4	28.7±1.9	0.410±0.026	690±20		
NCS ZC71037	Agricultural Soils	6.0±0.7	1.53±0.08	1.29±0.08	1.11±0.10	1.78±0.21	41±4	47.0±2.1	0.47±0.05	909±26		
Number	Name	Composition (µg/g)										Unit Size (in g)
		Mo	N (%)	Nb	Nd	Ni	P	Pb	Pr	Rb		
NCS ZC71032	Agricultural Soils	14.0±0.4	696**±32**	8.6±0.6	21.9±1.0	30.0±1.0	959±53	538±21	5.63±0.23	102±4		
NCS ZC71033	Agricultural Soils	1.12±0.07	0.125±0.004	15.2±0.6	34.1±2.0	32.6±1.3	765±24	28.0±1.5	9.1±0.5	96±4		
NCS ZC71034	Agricultural Soils	12.5±0.6	0.246±0.012	12.3±0.7	33.6±1.8	236±10	0.212*±0.006*	34.4±1.4	8.8±0.5	106±4		
NCS ZC71035	Agricultural Soils	43±4	0.122±0.005	19.6±1.2	84±5	32.3±1.7	887±38	265±14	24.9±1.4	121±7		
NCS ZC71036	Agricultural Soils	19.2±1.5	0.113±0.002	13.3±1.0	35.9±1.9	26.8±1.6	933±20	637±34	9.9±0.7	99±6		
NCS ZC71037	Agricultural Soils	1.35±0.09	0.233±0.007	15.3±1.2	35.1±2.3	40.7±2.8	0.227*±0.008*	287±18	9.3±0.7	116±6		
Number	Name	Composition (µg/g)										Unit Size (in g)
		S	Sb	Sc	Se	Sm	Sn	Sr	Tb	Th		
NCS ZC71032	Agricultural Soils	1.33*±0.24*	6.0±0.5	9.1±0.4	0.46±0.05	4.10±0.16	3.25±0.23	166±5	0.557±0.022	6.2±0.5		
NCS ZC71033	Agricultural Soils	481±55	1.10±0.05	12.8±0.5	0.606±0.028	6.5±0.4	3.33±0.18	181±5	0.92±0.05	13.4±0.7		
NCS ZC71034	Agricultural Soils	652±43	1.91±0.16	14.3±0.5	1.07±0.10	6.4±0.3	4.5±0.6	140±5	0.88±0.04	13.7±1.0		
NCS ZC71035	Agricultural Soils	576±41	1.42±0.10	13.0±0.7	0.272±0.024	11.7±0.7	3.5±0.5	232±8	1.26±0.08	12.5±1.0		
NCS ZC71036	Agricultural Soils	499±29	1.33±0.08	11.5±0.8	0.36±0.05	6.3±0.5	2.78±0.23	317±7	0.83±0.08	13.1±0.9		
NCS ZC71037	Agricultural Soils	566±14	6.7±0.6	13.7±0.7	0.52±0.04	6.8±0.5	4.81±0.18	117±5	0.96±0.08	14.3±1.5		
Number	Name	Composition (µg/g)										Unit Size (in g)
		Tl	Tm	U	V	W	Y	Yb	Zn	Zr		
NCS ZC71032	Agricultural Soils	0.97±0.05	0.267±0.012	2.24±0.14	71.9±1.7	44±3	17.0±1.0	1.73±0.09	0.231*±0.008*	123±3		
NCS ZC71033	Agricultural Soils	0.62±0.03	0.464±0.027	2.73±0.12	88.5±2.9	1.97±0.15	28.8±1.2	2.92±0.17	77.0±2.9	234±8		
NCS ZC71034	Agricultural Soils	0.702±0.027	0.43±0.03	4.99±0.28	106±8	4.32±0.24	26.9±1.5	2.81±0.20	128±7	136±7		
NCS ZC71035	Agricultural Soils	0.88±0.09	0.54±0.05	4.3±0.5	100±5	10.8±1.1	33.7±2.5	3.45±0.22	158±6	216±5		
NCS ZC71036	Agricultural Soils	0.59±0.06	0.415±0.027	2.25±0.20	82±4	33.8±2.9	25.5±1.7	2.55±0.14	217±10	276±7		
NCS ZC71037	Agricultural Soils	0.88±0.10	0.48±0.05	2.57±0.21	97±5	4.0±0.5	30.4±2.2	3.05±0.19	707±28	245±9		

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		F (water soluble)	SiO ₂ (%)	Al ₂ O ₃ (%)	TFe ₂ O ₃ (%)	MgO (%)	CaO (%)	Na ₂ O (%)	K ₂ O (%)	TC (%)		
NCS ZC71032	Agricultural Soils	8.8±1.0	61.4±0.5	10.87±0.18	7.83±0.23	1.80±0.05	4.52±0.16	1.23±0.05	2.54±0.09	1.11±0.08		
NCS ZC71033	Agricultural Soils	14.1±1.4	59.7±0.2	13.57±0.09	4.81±0.11	2.08±0.05	4.98±0.15	1.43±0.05	2.25±0.07	2.69±0.09		
NCS ZC71034	Agricultural Soils	19.6±2.5	42.5±0.25	14.03±0.21	14.4±0.6	2.29±0.07	6.19±0.22	0.70±0.04	2.43±0.06	3.86±0.13		
NCS ZC71035	Agricultural Soils	6.6±0.9	62.3±0.4	12.31±0.17	6.11±0.07	2.86±0.06	2.74±0.07	1.21±0.05	2.88±0.15	1.88±0.08		
NCS ZC71036	Agricultural Soils	9.1±1.1	69.1±0.6	12.19±0.13	5.05±0.11	1.48±0.06	1.61±0.05	1.86±0.09	2.56±0.10	1.15±0.04		
NCS ZC71037	Agricultural Soils	5.7±0.6	62.6±0.4	13.69±0.25	5.73±0.14	1.73±0.04	1.81±0.05	1.12±0.04	2.33±0.11	2.43±0.09		
		Corg (%)	Ti (%)									
NCS ZC71032	Agricultural Soils	0.92±0.04	0.273±0.012									
NCS ZC71033	Agricultural Soils	1.74±0.09	0.411±0.008									
NCS ZC71034	Agricultural Soils	2.72±0.11	0.340±0.011									
NCS ZC71035	Agricultural Soils	1.23±0.06	0.443±0.013									
NCS ZC71036	Agricultural Soils	1.13±0.04	0.389±0.008									
NCS ZC71037	Agricultural Soils	2.21±0.06	0.424±0.012									
Number	Name	Certified value of Cr (VI)									Unit Size (in g)	
NCS ZC71064	Cr (VI) in Soil	0.92									50	
NCS ZC71065	Cr (VI) in Soil	2.9									50	
NCS ZC71066	Cr (VI) in Soil	3.8									50	
NCS ZC71067	Cr (VI) in Soil	7.1									50	
NCS ZC71068	Cr (VI) in Soil	68									50	
Number	Name	Composition (µg/g)										Unit Size (in g)
NCS ZC71069	Contaminated Soils	Ag	As	B	Ba	Be	Bi	Br	Cd	Ce		70
NCS ZC71070	Contaminated Soils	0.50±0.07	14.0±0.7	63.6±1.2	482±15	2.30±0.13	0.68±0.03	4.07±0.23	0.24±0.04	85.2±2.9		70
NCS ZC71071	Contaminated Soils	0.10±0.02	402±16	36.5±2.5	429±15	3.53±0.14	0.44±0.02	3.2±0.7	0.13±0.02	81±4		70
NCS ZC71072	Contaminated Soils	0.15±0.02	10.2±0.4	93±4	454±13	2.17±0.09	0.49±0.05	4.19±0.29	12.9±0.8	87.8±2.5		70
NCS ZC71069	Contaminated Soils	Cl	Co	Cr	Cu	F	Ga	Ge	Hg	I		
NCS ZC71070	Contaminated Soils	46±6	14.8±0.6	39.2±2.7	33.4±0.9	990±62	20.7±0.6	1.52±0.04	0.053±0.003	0.65±0.11		
NCS ZC71071	Contaminated Soils	86±7	13.1±0.5	78±4	68.9±2.1	510±21	16.4±0.7	1.46±0.04	1.63±0.12	1.28±0.11		
NCS ZC71072	Contaminated Soils	58±7	45.0±2.3	176±7	306±15	1700±84	22.3±1.0	1.58±0.07	0.36±0.03	2.70±0.13		
NCS ZC71069	Contaminated Soils	69±5	17.4±0.6	73.3±2.8	37.3±1.0	478±32	15.3±0.6	1.47±0.06	0.18±0.01	1.66±0.13		
NCS ZC71069	Contaminated Soils	La	Li	Mn	Mo	N	Nb	Ni	P	Pb		
NCS ZC71070	Contaminated Soils	45.6±1.6	31.4±1.2	2614±85	2.26±0.12	206±26	17.9±0.8	26.0±0.6	1241±18	173±7		
NCS ZC71071	Contaminated Soils	45.8±1.3	38.4±1.2	451±12	0.68±0.04	0.220±0.011*	17.7±0.5	32.0±1.3	750±18	75.4±1.9		
NCS ZC71072	Contaminated Soils	44.7±1.3	37.7±1.0	1011±37	4.55±0.22	719±21	15.1±1.0	82.4±2.3	681±19	20.3±1.1		
NCS ZC71069	Contaminated Soils	46.2±1.6	44.3±2.5	533±14	0.91±0.05	1977±81	17.9±0.8	27.4±0.8	534±25	135±4		
NCS ZC71069	Contaminated Soils	Rb	S	Sb	Sc	Se	Sn	Sr	Th	Tl		
NCS ZC71070	Contaminated Soils	117±4	126±12	7.0±0.8	13.5±0.3	0.23±0.04	5.4±0.4	63.2±1.9	13.8±0.4	1.01±0.05		
NCS ZC71071	Contaminated Soils	94.2±2.0	448±25	2.1±0.6	12.2±0.4	0.46±0.04	36±4	109±3	14.4±0.5	0.67±0.12		
NCS ZC71072	Contaminated Soils	75.1±1.5	202±20	15.8±1.3	14.3±0.3	0.55±0.05	3.6±0.4	185±6	10.5±0.2	7.9±0.5		
NCS ZC71069	Contaminated Soils	86.2±2.1	488±31	1.74±0.21	11.1±0.3	2.92±0.17	16.8±1.2	111±4	14.5±0.4	0.62±0.05		
NCS ZC71069	Contaminated Soils	U	V	W	Y	Zn	Zr	SiO ₂ (%)	Al ₂ O ₃ (%)	TFe ₂ O ₃ (%)		
NCS ZC71070	Contaminated Soils	3.41±0.09	118±4	2.61±0.19	50.3±3.0	649±29	232±4	62.3±0.7	16.3±0.6	7.66±0.12		
NCS ZC71071	Contaminated Soils	2.93±0.20	93±4	2.89±0.25	31.9±1.2	182±6	289±10	69.0±0.9	12.70±0.11	4.98±0.12		
NCS ZC71072	Contaminated Soils	2.43±0.09	128±5	30.9±2.0	21.5±1.5	82±5	149±6	52.1±1.0	15.14±0.14	15.00±0.30		
NCS ZC71069	Contaminated Soils	2.97±0.19	87±4	2.57±0.18	32.1±1.7	116±10	356±11	71.8±0.8	11.7±0.4	4.39±0.08		
NCS ZC71069	Contaminated Soils	MgO (%)	CaO (%)	Na ₂ O (%)	K ₂ O (%)	TC (%)	Corg (%)	Ti (%)	pH			
NCS ZC71070	Contaminated Soils	1.06±0.09	2.02±0.09	0.16±0.02	2.73±0.08	0.10±0.02	0.083±0.021	0.512±0.013	7.58±0.14			
NCS ZC71071	Contaminated Soils	0.85±0.03	0.96±0.03	1.23±0.03	1.63±0.04	2.61±0.05	2.46±0.08	0.508±0.016	6.23±0.10			
NCS ZC71072	Contaminated Soils	2.40±0.05	3.14±0.09	1.09±0.02	1.90±0.05	0.97±0.04	0.75±0.03	0.372±0.013	7.88±0.10			
NCS ZC71072	Contaminated Soils	0.67±0.04	1.00±0.05	1.07±0.03	1.50±0.03	2.05±0.07	2.00±0.06	0.519±0.022	7.31±0.13			

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Number	Name	Content	Certified Value (mg/L)	Base	Unit Size (ml)
NCS ZC 71301	COD Certified Reference Material	COD _{Cr}	200	H ₂ O	20
NCS ZC 71302	COD Certified Reference Material	COD _{Cr}	1007	H ₂ O	20
NCS ZC 71303	COD Certified Reference Material	COD _{Cr}	2010	H ₂ O	20
NCS ZC 71304	COD Certified Reference Material	COD _{Mn}	31	H ₂ O	20
NCS ZC 71305	COD Certified Reference Material	COD _{Mn}	81	H ₂ O	20
Number	Name	Certified Value and Extended Uncertainty (k=2)			Unit Size (ml)
		Concentration in Mol	Concentration in Mass	Calculated as AsO33-	
NCS ZC 76026	Arsenious Acid Solution	1.011±0.016μ mol/g	calculated as As: 75.7±1.2μ g/g	124.3±2.0μ g/g	2
Number	Name	Certified Value and Extended Uncertainty (k=2)			Unit Size (ml)
		Concentration in Mol	Concentration in Mass	Calculated as AsO43-	
NCS ZC 76027	Arsenic Acid Solution	0.233±0.005μ mol/g	calculated as As: 17.5±0.4μ g/g	32.4±0.7μ g/g	2
Number	Name	Certified Value and Extended Uncertainty (k=2)			Unit Size (ml)
		Concentration in Mol	Concentration in Mass	Calculated as (C2H7AsO2)	
NCS ZC 76029	Dimethylarsinic Acid Solution	0.706±0.024μ mol/g	calculated as As: 52.9±1.8μ g/g	97.4±3.3μ g/g	2
Number	Name	Certified Value and Extended Uncertainty (k=2)			Unit Size (ml)
		Concentration in Mol	Concentration in Mass	Calculated as (C5H11AsO2)	
NCS ZC 76030	Arsenobetaine Solution	0.518±0.015μ mol/g	calculated as As: 38.8±1.1μ g/g	92.2±2.7μ g/g	2
Number	Name	Certified Value and Extended Uncertainty (k=2)			Unit Size (ml)
		Concentration in Mol	Concentration in Mass	Calculated as C5H14AsBrO	
NCS ZC 76031	Arsenocholine Solution	0.374 ± 0.015μ mol/g	calculated as As: 28.0 ± 1.1μ g/g	91.6 ± 3.7μ g/g	2
Number	Name	Certified Value (10 ⁻²)			Unit Size (ml)
NCS ZC76032	Water content of liquid	1			10
NCS ZC76033	Water content of liquid	0.1066			10
NCS ZC76034	Water content of liquid	0.0139			10
Number	Name	Certified Value and Extended Uncertainty (k=2)			Unit Size (ml)
		Concentration in Mol	Concentration in Mass	Calculated as SeO32-	
NCS ZC 76035	Selenite in water	0.543 ± 0.011μ mol/g	calculated as Se: 42.9 ± 0.9μ g/g	68.9 ± 1.4μ g/g	2
Number	Name	Certified Value and Extended Uncertainty (k=2)			Unit Size (ml)
		Concentration in Mol	Concentration in Mass	Calculated as SeO42-	
NCS ZC 76036	Selenate in water	0.525 ± 0.017μ mol/g	calculated as Se: 41.5 ± 1.3μ g/g	75.1 ± 2.4μ g/g	2
Number	Name	Certified Value and Extended Uncertainty (k=2)			Unit Size (ml)
		Concentration in Mol	Concentration in Mass	Calculated as C5H11NO2Se	
NCS ZC 76037	Selenomthionine in water	0.499 ± 0.013μ mol/g	calculated as Se: 39.4 ± 1.0μ g/g	97.9 ± 2.5μ g/g	2
Number	Name	Certified Value (mg/kg)			Unit Size (in g)
NCS ZC 76038	Nicotinamide in infant formula	65.3			30
Number	Name	Certified Value (μg/ml)	Certified Value (10 ⁻²)		
NCS ZC 76039	Deca-BDE in iso-octane/toluene(9:1)	50		1.0 ml/btl	
NCS ZC 76046	water content of water saturated octanol		4.85	5	
Number	Name	Certified Value (μg/mL)	Base		
NCS ZC 76331	CODCr	100	0.05mol/L	20	
NCS ZC 76332	CODMn	238		20	
Number	Name	Certified Value and Extended Uncertainty (k=2)			Unit Size (ml)
		Concentration in Mol	Concentration in Mass	Calculated as C4H9NO2Se+HCl	
NCS ZC 76333	(Methyl)Seleno-Cysteine in water	0.442 ± 0.012μ mol/g	calculated as Se: 34.8 ± 1.0μ g/g	96.6 ± 2.6μ g/g	2
Number	Name	Certified Value (mg/mL)			Unit Size (ml)
NCS ZC 76334	Formaldehyde in water	10.1			2
Number	Name	Certified Value (μg/mL)	Matrix		
NCS ZC 76335	N-NO ₂ in water	100 (standardized by nitrogen)	H ₂ O	20	

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Number	Name	Hg	Certified Value(mg/g)				Unit Size (in g)			
NCS ZC83006	Mercury in Cosmetic(Cream)	0.67					5			
NCS ZC83007	Mercury in Cosmetic(Cream)	1.35					10			
NCS ZC83008	Mercury in Cosmetic(Cream)	12.9					5			
Number	Name	Methylparaben	Propylparaben	Ethylparaben	Butylparaben	Certified Value(mg/g)		Unit Size (in g)		
NCS ZC83009	Parabens in Cosmetics	1945.8	995.8	980.1	1013.8			15		
Number	Name	Level	Pb	Level	Pb	Level	Cd	Level	Cd	Unit Size (ml)
NCS ZC 93019	Lead of Freeze-dried Human Urine	L	101	H	305					5
NCS ZC 93020	Cadmium of Freeze-dried Human Urine					L	5.34	H	15.5	5