SOIL/SEDIMENT						SOIL																				POWDER	
		Al2O3	CaO	CO2	Fe2O3	K2O	MgO	Na2O	P	SiO2	TiO2	LOI	Ag	As	Au	B	Ba	Be	Bi	Br	C(org)	Others/Set Only	Size	Type		Origin
031-42	%	10.03	0.89		4.68	0.45	1.92	-0.15	(0.04)m	74.09	0.36						-0.025					FeO (4)	100g	CRM		
054-2498-83	%	3.36	0.27		0.99	1.23	0.13	0.51	0.036m	91.24	0.29			0.0003		0.003	0.031						50g	CRM		Ash Sandy
054-2499-83	%	3.36	0.27		0.99	1.23	0.13	0.51	0.036m	91.24	0.29			0.0017		0.003	0.31	0.001					100g	CRM		Ash Sandy
054-2500-83	%	3.36	0.27		0.99	1.23	0.13	0.51	0.036m	91.24	0.29			0.007		0.003	0.031	0.0025					100g	CRM		Ash Sandy
054-2501-83	%	17.01	0.17		7.86	0.98	0.92	0.15	0.1m	59.18	1.56			0.001		0.006	0.027	0.00016					100g	CRM		Red
054-2502-83	%	17.01	0.17		7.86	0.98	0.92	0.15	0.1m	59.18	1.56			0.003		0.006	0.027	0.001					100g	CRM		Red
054-2503-83	%	17.01	0.17		7.86	0.98	0.92	0.15	0.1m	59.18	1.56			0.005		0.006	0.027	0.0025					100g	CRM		Red
054-2504-83	%	11.48	11.47		4.6	2.09	2.99	1.64	0.17m	52.65	0.64			0.0013		0.0063	0.05	0.00022					100g	CRM		Grey
054-2505-83	%	11.48	11.47		4.6	2.09	2.99	1.67	0.17m	52.65	0.64			0.0029		0.0063	0.05	0.0008					100g	CRM		Grey
054-2506-83	%	11.48	11.47		4.6	2.09	2.99	1.64	0.17m	52.65	0.64			0.006		0.0063	0.05	0.0026					100g	CRM		Grey
054-2507-83	%	9.81	1.6		3.48	2.42	0.95	0.81	0.18m	71.49	9.81			0.0008		0.0056	0.05	0.0002					100g	CRM		Black
054-2508-83	%	9.81	1.6		3.48	2.42	0.95	0.81	0.18m	71.49	0.74			0.0021		0.0056	0.05	0.0009					100g	CRM		Black
054-2509-83	%	9.81	1.6		3.48	2.42	0.95	0.81	0.18m	71.49	0.74			0.004		0.0056	0.05	0.0024					100g	CRM		Black
071-TILL1	ppm	13.7t	2.72t		6.8	2.22t	2.15t	2.71t	0.22tm	60.9t	0.98t	7.3t		18	0.013		702	2.4	<5	6.4		Acid Leach Data	100g	CRM		B+C Horizon
071-TILL2	ppm		1.27t		5.39t	3.07t	1.83t	2.19t	0.17tm	60.8t	0.88t	8.1t		26	0.002		540	4	<5	12.2			100g	CRM		
071-TILL3	ppm	12.2t	2.63t		3.92	2.42t	1.71t	2.64t	0.11tm	69.1t	0.49t	4.6t		87	0.006		489	2	<5	4.5			100g	CRM		B+C Horizon
071-TILL4	ppm		1.25t		5.63t	3.25t	1.26t	2.46t	0.2tm	65t	0.81t	5.7t		111	0.005		395	3.7	40	8.6			100g	CRM		
202-DC73382	%	14.18	1.72	1.12	5.19	2.59	1.81	1.66	735a	62.5	0.483n	(8.59)a	0.35a	33.5a		50a	590a	2.5a		2.9a	-1.8	FeO (1.27) H2O (4.99)	70g	CRM		
202-DC73383	%	10.31	2.36	-0.97	3.52	2.54	1.04	1.62	446a	73.35	2710a,n	4.4	0.054a	13.7a		36a	930a	1.8a	1.2a	4.5a	1.8	FeO (0.56) H2O (2.86)	70g	CRM		
202-DC73384	%	12.24	1.27	-0.13	2	3.04	0.58	2.71	320a	74.72	2240a,n	2.67	0.091a	4.4a		23a	1210a	1.4a	0.17a	4.3a	0.49	FeO 0.57 H2O (1.91)	70g	CRM		
202-DC73385	%	23.45	0.26	-0.12	10.3	1.03	0.49	0.11	695a	50.95	10800a,n	(10.88)a	0.07a	58a		97a	97a	1.85a	1.04a	4a	0.5	FeO 0.5 H2O (10.13)	70g	CRM		
202-DC73386	%	21.58	-0.095	-0.096	12.62	1.5	0.61	0.122	390a	52.57	6290a,n	(9.14)a	4.4a	412a		53a	213a	2a	41a	(1.8)a	0.62	FeO (0.22) H2O (8.81)	70g	CRM		
202-DC73387	%	21.23	0.22	-0.084	8.09	1.7	0.34	0.19	303a	56.93	4390a,n	(10)a	0.2a	220a		57a	118a	4.4a	49a	(7.2)a	-0.806	FeO (0.57) H2O (8.9)	70g	CRM		
202-DC73388	%	29.26	0.16	-0.11	18.76	0.2	0.26	0.074	1150a	32.69	0.020n	(14.3)a	0.057a	4.8a		(10.5)a	180a	2.8a	0.2a	5.2a	0.81	FeO (1.05) H2O (13.73)	70g	CRM		
202-DC73389	%	11.92	8.27	5.97	4.48	2.42	2.38	1.72	775a	58.61	3800a,n	9.12	12.7a	12.7a		54a	480a	1.9a	0.3a	(2.6)a	0.64	FeO (1.2) H2O (3.28)	70g	CRM		
202-DC77301	%	12.91	1.35		2.08	3.37	0.49	3.31	318a	73.28	0.25n		0.067a	2.9a		13.8a	693a	2.1a	0.1a	(1.2)a		N (0.052) FeO 1.22	70g	CRM		
202-DC77302	%	14.55	1.42		4.6	2.59	1.25	1.9	439a	65.64	0.46n		0.11a	10.5a		38.3a	623a			(5)a		N (0.012)	50g	CRM		
202-DC77303	%	12.04	4.33		7.97	2.03	3.71	1.1	1400a	47.96	0.41n		5.4a	205a		63.9a	550a			(3.1)a		N (0.32)	50g	CRM		
202-DC78302	%	7.11n	2.59n		3.34n	2.12n	1.53n	1.52n	0.86	30.57n	0.4			3.8a			(509)a	2.96a		(1.3)a		N 0.128	15g+	CRM		
262-SOIL7	ppm	(4.7)nt	(16.3)nt		(2.57)nt	(1.21)nt	(1.31)nt	(0.24)nt	-460	(18)nt	(0.3)nt			13.4			-159			-7			25g	CRM		
331-2709	%	7.5n	1.89n		3.5n	2.03n	1.51n	1.16n	0.065	29.66n	0.342n		0.000041	0.00177			0.0968					(25 elements)	30g	CRM		San Joaquin
331-2710	%	6.44n	1.25n		3.38n	2.11n	0.853n	1.14n	0.106	28.97n	0.283n		0.00353	0.0626			0.0707					(25 elements)	30g	CRM		Montana
331-2711	%	6.53n	2.88n		2.89n	2.45n	1.05n	1.14n	0.086	30.44n	0.306n			0.0105			0.07226					(25 elements)	30g	CRM		

SOIL/SEDIMENT					SOIL																									POWDER
cont...			Cd	Ce	Cl	Co	Cr	Cu	Cs	Dy	Er	Eu	F	Ga	Gd	Ge	Hf	Hg	Ho	I	In									
031-42				-0.003		0.0035	0.63m	0.0017						-0.0012																
054-2498-83			0.00001	0.0017		0.0002	0.01	0.0009	0.00016					0.0005				0.000003												
054-2499-83			0.00013	0.0017		0.0045	0.01	0.01	0.00016					0.0005				0.000013												
054-2500-83			0.0004	0.0017		0.013	0.01	0.026	0.00016					0.0005				0.00003												
054-2501-83			0.000012	0.007		0.0014	0.018	0.0047	0.0009				0.04	0.0015				0.000008												
054-2502-83			0.00026	0.007		0.0063	0.018	0.017	0.0009				0.04	0.0015				0.000026												
054-2503-83			0.0005	0.007		0.015	0.018	0.031	0.0009				0.04	0.0015				0.00004												
054-2504-83			0.00003	0.006		0.0012	0.0084	0.0034	0.0005				0.05	0.0013																
054-2505-83			0.00021	0.006		0.0057	0.0084	0.012	0.0005				0.05	0.0013																
054-2506-83			0.00055	0.006		0.015	0.0084	0.029	0.0005				0.05	0.0013																
054-2507-83			0.00001	0.007		0.0009	0.0083	0.025	0.0004				0.028	0.0011				0.000005												
054-2508-83			0.00018	0.007		0.0046	0.0083	0.011	0.0004				0.028	0.011				0.000021												
054-2509-83			0.00045	0.007		0.013	0.0083	0.027	0.0004				0.028	0.011				0.00004												
071-TILL1				71		18	65	47	1		3.6	1.3					13													
071-TILL2				98		15	74	150	12		3.7	1					11													
071-TILL3				42		15	123	22	1.7		1.4	<1					8													
071-TILL4				78		8	53	237	12		3.2	<1					10													
202-DC73382			4.3a	70a	66a	14.2a	62a	21a	9a	4.6a	2.6a	1a	506a	19.3a	4.6a	1.34a	6.8a	32a	0.87a	1.9a	0.081a									
202-DC73383			0.071a	402a	(63)a	8.7a	47a	16.3a	4.9a	4.4a	2.1a	3a	2240a	12a	7.8a	1.2a	5.8a	15a	0.93a	1.8a	0.091a									
202-DC73384			0.059a	39a	(57)a	5.5a	32a	11.4a	3.2a	2.6a	1.5a	0.72a	246a	13.7a	2.9a	1.17a	6.8a	60a	0.53a	1.3a	0.031a									
202-DC73385			0.35a	136a	(36)a	22.3a	370a	40.5a	21.4a	6.6a	4.5a	0.85a	540a	30.6a	4.7a	1.91a	14a	590a	1.46a	9.4a	0.12a									
202-DC73386			0.45a	91a	(78)a	12.3a	118a	144a	15a	3.7a	2.4a	0.82a	603a	31.7a	3.5a	2.6a	8.1a	290a	0.8a	3.8a	4.1a									
202-DC73387			0.13a	66a	98a	7.6a	75a	390a	10.8a	3.3a	2.2a	0.66a	906a	29.5a	3.4a	3.2a	7.5a	72a	0.69a	19.4a	0.84a									
202-DC73388			0.08a	98a	100a	97a	410a	97a	2.7a	6.6a	2.7a	3.4a	321a	39.3a	9.6a	1.6a	7.7a	61a	1.1a	19.3a	0.1a									
202-DC73389			0.13a	66a	(68)a	12.7a	68a	24.3a	7.5a	4.8a	2.8a	1.2a	577a	14.8a	5.4a	1.27a	7a	17a	0.97a	1.6a	(0.043)a									
202-DC77301			0.068a	58.9a	(57.4)a	4.9a	26.4a	4.9a	3.3a	3.2a	(1.8)a	0.97a	215a	14.6a	3.9a	1.2a		0.015a	(0.66)a	(0.44)a	(0.032)a									
202-DC77302			0.09a	76.6a	(45.6)a	12.8a	66a	23.2a	7.9a	(5.3)a	(2.9)a	1.2a	438a	18.8a	5.6a	(1.6)a		0.066a	(1.1)a	(2.6)a	(0.07)a									
202-DC77303			28.2a	66.3a	(101)a	11.6a	59.6a	65.4a	9.3a	(4.4)a	(2.4)a	1.1a	624a	17.3a	4.6a	(1.3)a		0.15a	(0.88)a	(2.6)a	(0.38)a									
202-DC78302			0.081a	83.6a		13.1a	60.8a	24.6a	(7.3)a	(5)a		1.4a					(7.3)a	(0.018)a												
262-SOIL7			-1.3	61		8.9	60	11	5.4	3.9		1		-10			5.1	-0.04												
331-2709			0.000038			0.00134	0.013	0.00346										0.00014												
331-2710			0.00218					0.295										0.00326												
331-2711			0.00417					0.0114																						

SOIL/SEDIMENT					SOIL																									POWDER
cont...	La	Li	Lu	Mn	Mo	Nb	Nd	Ni	Pb	Pr	Rb	S	Sb	Sc	Se	Sm	Sn	Sr	Ta											
031-42				0.1m	-0.0005	-0.0008		0.0125	-0.001		0.0022	-0.02						0.0037												
054-2498-83	0.001	0.00035		0.011m	0.00015		0.0012	0.001	0.0008		0.0032			0.00026	-0.00008		0.00019	0.0069												
054-2499-83	0.001	0.00035		0.011m	0.0007		0.0012	0.0087	0.0087		0.0032			0.00026	-0.00008		0.0019	0.0069												
054-2500-83	0.001	0.00035		0.011m	0.0012		0.0012	0.029	0.025		0.0032			0.00026	-0.00008		0.006	0.0069.												
054-2501-83	0.003	0.005		0.051m	0.0003	0.0025		0.0054	0.0023		0.008	0.04		0.0015	-0.0003		0.0005	0.005												
054-2502-83	0.003	0.005		0.051m	0.0008	0.0025		0.016	0.015		0.008	0.04		0.0015	-0.003		0.0022	0.005												
054-2503-83	0.003	0.005		0.051m	0.0013	0.0025		0.038	0.028		0.008	0.04		0.0015	-0.0003		0.006	0.005												
054-2504-83	0.0029	0.0032		0.089m	0.00014	0.0013		0.0045	0.0017		0.0081	0.04		0.0014	-0.0001		0.0004	0.031												
054-2505-83	0.0029	0.0032		0.089m	0.0006	0.0013		0.013	0.01		0.0081	0.04		0.0014	-0.0001		0.002	0.031												
054-2506-83	0.0029	0.0032		0.089m	0.0013	0.0013		0.032	0.028		0.0081	0.04		0.0014	-0.0001		0.006	0.031												
054-2507-83	0.0036	0.0023		0.079m	0.00012	0.0014		0.0032	0.0018		0.0088	0.05		0.0011	-0.0003		0.0003	0.011												
054-2508-83	0.0036	0.0023		0.079m	0.0006	0.0014		0.011	0.009		0.0088	0.05		0.0011	-0.0003		0.002	0.011												
054-2509-83	0.0036	0.0023		0.079m	0.0011	0.0014		0.03	0.026		0.0088	0.05		0.0011	-0.0003		0.006	0.011												
071-TILL1	28	15	0.6	0.18tm	2	10	26	24	22		44	<0.05t	7.8	13		5.9		291	0.7											
071-TILL2	44	47	0.6	0.18tm	2	20	36	32	31		143	<0.05t	0.8	12		7.4		144	1.9											
071-TILL3	21	21	0.2	0.06tm	2	7	16	39	26		55	<0.05t	0.9	10		3.3		300	<0.5											
071-TILL4	41	30	0.5	0.06tm	16	15	30	17	50		161	0.08t	1	10		6.1		109	1.6											
202-DC73382	34a	35.3a	0.41a	1760a	1.4a	16.6a	28a	20.4a	98a	7.5a	140a	(310)a	0.87a	11.2a	0.14a	5.2a	6.1a	155a	1.4a											
202-DC73383	164a	22a	0.32a	510a	0.98a	27a	210a	19.4a	20.2a	57a	88a	210a	1.3a	10.7a	0.16a	18a	3a	187a	0.78a											
202-DC73384	21a	18.4a	0.29a	304a	0.3a	9.3a	18.4a	12.2a	26a	4.8a	85a	120a	0.45a	5a	0.094a	3.3a	2.5a	380a	0.76a											
202-DC73385	53a	55.4a	0.75a	1420a	2.6a	37.6a	27.3a	64.2a	58.5a	8.4a	75a	180a	6.3a	20.2a	0.64a	4.4a	5.7a	77a	3.1a											
202-DC73386	35.7a	56a	0.42a	1360a	4.6a	24a	24a	40a	552a	7a	117a	410a	35.4a	17.2a	1.56a	4a	17.7a	41.5a	1.8a											
202-DC73387	30a	36a	0.42a	1450a	18a	26.8a	21a	53a	314a	5.8a	237a	260a	60a	15.5a	1.34a	3.8a	72a	39a	5.3a											
202-DC73388	46a	19.5a	0.35a	1780a	2.9a	64a	45a	276a	13.6a	11a	15.8a	250a	0.42a	28a	0.32a	10.8a	3.6a	26a	3.9a											
202-DC73389	35.5a	35.5a	0.43a	650a	1.16a	15a	32a	31.5a	21a	8.3a	96a	120a	1.04a	11.7a	0.12a	5.9a	2.8a	236a	1.05a											
202-DC77301	31.3a	14.3a	0.27a	262a	0.43a	13a	26a	9.3a	16.3a	(7.1)a	97.4a	(97)a	0.21a	4.8a		4.9a	1.4a	270a												
202-DC77302	37.6a	33.2a	0.46a	706a	0.84a	17.1a	34.4a	27.6a	29.2a	(8.8)a	109a	(174)a	0.93a	11.4a		6.6a	4.2a	188a												
202-DC77303	32.8a	29.4a	0.36a	9700a	1.5a	15.1a	27.4a	24.2a	2700a	(7.5)a	111a	(999)a	9.2a	11a		5.4a	64.3a	130a												
202-DC78302	41.9a		(0.48)a	677a			42.3a	31.1a	14.2a		135a		(0.4)a	10.8a	0.16a	7.1a		163a	(1.1)a											
262-SOIL7	28	-31	-0.3	631	-2.5	-12	30	-26	60		51		1.7	8.3	-0.4	5.1		108	0.8											
331-2709				0.0538				0.0088	0.00189			0.089	0.00079		0.000157			0.0231												
331-2710				1.01				0.000143	0.5532			0.224	0.00384																	
331-2711									0.1162			0.042	0.00194																	

SOIL/SEDIMENT					SOIL																				POWDER			
cont...		Tb	Te	Th	Tl	Tm	U	V	W	Y	Yb	Zn	Zr															
031-42				-0.0005				0.0094		0.0011		0.0044	0.0192															
054-2498-83								0.0014		0.0013	0.00015	0.001	0.035															
054-2499-83								0.0014		0.0013	0.00015	0.014	0.035															
054-2500-83								0.0014		0.0013	0.00015	0.043	0.035															
054-2501-83								0.018		0.0027	0.00036	0.0087	0.034															
054-2502-83								0.018		0.0027	0.00036	0.027	0.034															
054-2503-83								0.018		0.0027	0.00036	0.061	0.034															
054-2504-83								0.009		0.0026	0.00033	0.007	0.019															
054-2505-83								0.009		0.0026	0.00033	0.017	0.019															
054-2506-83								0.009		0.0026	0.00033	0.039	0.019															
054-2507-83								0.0072		0.0031	0.00041	0.0056	0.047															
054-2508-83								0.0072		0.0031	0.00041	0.018	0.047															
054-2509-83								0.0072		0.0031	0.0041	0.046	0.047															
071-TILL1		1.1		5.6			2.2	99	<1	38	3.9	98	502															
071-TILL2		1.2		18.4			5.7	77	5	40	3.7	130	390															
071-TILL3		<0.5		4.6			2.1	62	<1	17	1.5	56	230															
071-TILL4		1.1		17.4			5	67	204	33	3.4	70	385															
202-DC73382	0.75a	(0.051)a	11.6a	1a	0.42a	3.3a	86a	3.1a	25a	2.66a	680a	245a																
202-DC73383	0.97a	(0.035)a	16.6a	0.62a	0.42a	1.45a	62a	1.08a	21.7a	1.97a	42.3a	219a																
202-DC73384	0.49a	0.04a	6a	0.5a	0.28a	1.26a	36.5a	0.95a	15a	1.68a	31.4a	246a																
202-DC73385	0.94a	(0.15)a	27.3a	0.94a	0.7a	6.7a	247a	6.2a	39a	4.8a	210a	500a																
202-DC73386	0.69a	(4)a	22.7a	1.6a	0.41a	6.5a	166a	33.5a	21a	2.8a	494a	272a																
202-DC73387	0.61a	(0.42)a	23a	2.4a	0.4a	6.7a	130a	89.5a	18.8a	2.7a	96.6a	220a																
202-DC73388	1.3a	(0.047)a	9.1a	(0.21)a	0.42a	2.2a	245a	1.23a	26.6a	2.4a	142a	318a																
202-DC73389	0.89a	0.046a	11.8a	(0.59)a	0.46a	2.7a	81.4a	1.7a	26a	2.8a	68a	229a																
202-DC77301	0.55a	(0.024)a	8.4a	0.58a	0.28a	1.6a	34.7a	0.98a	16.9a	1.8a	34.2a	300a																
202-DC77302	0.85a	(0.035)a	12a	0.62a	0.48a	2.4a	82.7a	5a	27.4a	3.1a	72.8a	337a																
202-DC77303	0.7a	(0.055)a	12.6a	(1.7)a	0.4a	3.3a	88.5a	6.9a	24.2a	2.5a	3800a	192a																
202-DC78302	(0.9)a		17.6a			3.84a	77.5a			3.1a	58a																	
262-SOIL7	0.6		8.2			2.6	66		21	2.4	104	185																
331-2709				0.000074			0.0112				0.0106																	
331-2710							0.00766				0.6925																	
331-2711																												

SOIL/SEDIMENT						SOIL																					POWDER	
		Al2O3	CaO	CO2	Na2O	P	SiO2	TiO2	As	Ba	Cd	Co	Cr	Cu	Hg	Mn	Ni	Pb	Sb	V	Zn	Others/Set Only	Size	Type	Origin
191-141	ppm										0.36	-9.2	-75	32.6	0.0568	-547	-30.9	29.4			81.3	Aq Regia (s)	50g	CRM	Calcareous
191-142R	ppm										0.34	12.1	-113	69.7		970	29.2	40.2			-101	Aq Regia (s)	50g	CRM	Light Sandy
191-143R	ppm										71.8	12.3	-597	130.6	1.1	9.4	299				1055	Aq Regia (s)	50g	CRM	Sewage Amended
331-8407	ppm														50								25g	CRM	
071-SO2	%	8.07n	1.96n		1.9n	0.3	24.99n	0.86n		966a		9a	16a	7a	0.082a	0.072	8a	21a		64a	124a	Fe 5.56 K2.45	200g	CRM	
071-SO3	%	3.06n	14.63n		0.74n	0.048	15.86n	0.2n		296a		8a	26a	17a	0.017a	0.052	16a	14a		38a	52a	Fe 1.51 K 1.16	200g	CRM	
071-SO4	%	5.46n	1.11n		1n	0.09	31.97n	0.34n				11a	61a	22a	0.03a	0.06	26a	16a		90a	94a	Fe 2.37 K 1.73	200g	CRM	
188-SMS	%		0.49n						9.36a	(365)a	0.198a	11.9a	87.4a	21.2a	0.0785a	910a	40a	18.9a	1.92a	(87.5)a	63.7a	Sr 107a Fe 2.7	50g	CRM	City
188-SSP	%		6.34n						14a	315a	0.285a	15.6a	75.3a	30.9a	0.0874a	734a	37.4a	41.3a	2.11a	89.7a	119a	Fe 3.73a Sr 274a	50g	CRM	
188-SVM	%		0.692n						13.6a	582a	0.214a	15.4a	79.8a	30a	0.171a	897a	30.8a	19.6a	4.58a	98.3a	88.8a	Fe 3.73n Sr 82a	50g	CRM	
						SOIL						POLLUTED													
		Al	Ca	CO2	Fe	K	Mg	Na	P	SiO2	Ti	As	Ba	Cd	Ce	Cr	Cu	Hg	La	Mn	Ni	Others/Set Only	Size	Type	Origin
651-6135	%		2.34		4.75	1.63	0.94	0.17		6.63		70a	305a			455a	107a			390a	291a	Leach Data.	50g	CRM	Brick Works
651-6138	%											34.5a				99.3a	132a	1.5a			33.5a	PAH's	80g(5)	RM	Coal Site
651-6144	%											14.9a				118a	71a	0.53a			27a	PAH's	80g(5)	CRM	Gas Works
331-2586	%	6.652	2.218		5.161	0.976	1.707	0.468	0.1		0.605	8.7a	0.0413	2.71a	0.0058		-0.0081	0.36a	0.0029	0.1			55g	CRM	Paint
331-2587	%	5.86	0.927		2.813	1.583	0.669	1.27	0.097		0.392	13.7a	0.0568	1.92a			-0.016	0.29a		0.0651	-0.0036		55g	CRM	Paint
cont...			Pb	S	Sc	Se	Si	Sr	V	Zn												Others/Set Only	Size	Type	Origin
651-6135			411a		0.0046			0.013	139a	345a												Leach Data.	50g	CRM	Brick Works
651-6138			490a	3.56		1.5a			54.6a	456a												PAH's	80g(5)	RM	Coal Site
651-6144			196a	1.8		0.71a			38a	192a												PAH's	80g(5)	CRM	Gas Works
331-2586			0.0432				29.15	0.0084	-0.016	54.49													55g	CRM	Paint
331-2587			0.3242				33.13	0.0126	-0.0078	0.0335													55g	CRM	Paint
PCB			2,2',3,3',4,4' Hexachlorobiphenyl				2,2',3,3',4,4',5 Heptachlorobiphenyl				2,2',3,4',5',6 Hexachlorobiphenyl				2,2',3,4,4',5,5' Heptachlorobiphenyl							Others/Set Only	Size	Type	Origin
191-481	mg/kg			9.1				52				97				124							25g	CRM	Industrial Soi
cont...			2,2',4,4',5 Pentachlorobiphenyl				2,2',4,4',5,5' Hexachlorobiphenyl				2,3',4,4',5 Pentachlorophenyl				2,3,3',4,4',5 Hexachlorobiphenyl										
191-481				37				137				9.4				7									

SOIL/SEDIMENT						SEDIMENT																				POWDER	
		Al2O3	CaO	CO2	Fe2O3	K2O	MgO	Na2O	P2O5	SiO2	TiO2	LOI	Ag	As	Au	B	Ba	Be	Cd	Co	Cr	Others/Set Only		Size	Type		Origin
054-3483-86	%	11.6	7.05		4.62	2.96	5.82	0.87	0.15	45.59	0.63	-20.33	-0.00005	-0.004	-0.000004	-0.009	0.047	0.0002	-0.0002	0.0014	0.0066	FeO (1.3)		100g	CRM		Rock Sediment
054-3484-86	%	16.76	1.13		6.33	2.51	1.53	1.37	0.18	51.95	0.85	-17.17	-0.00007	-0.004	-2.5E-06	-0.008	0.058	0.00023	-0.00019	0.0018	0.012	FeO (2,2)		100g	CRM		Rock Sediment
054-3485-86	%	5.03	17.76		10.59	1.13	11.7	0.61	1.82	25.07	0.27	-25.14	0.00026	-0.009	0.00013	-0.0014	0.035	0.00025	-0.00035	0.0011	0.0028	FeO (0.24)		100g	CRM		Rock Sediment
054-3486-86	%	11.29	0.52		5.24	2.21	0.48	1.67	0.28	70.54	0.62	-5.44	-0.0034	-0.7	-0.000011	-0.016	0.039	0.00036	0.0009	0.0009	0.0076	FeO (1.3)		100g	CRM		Rock Sediment
cont...		Cu	Ga	La	Li	MnO	Mo	Nb	Ni	Pb	Rb	S	Sc	Sn	Sr	V	Y	Yb	Zn	Zr							
054-3483-86		0.0048	0.0012	0.00322	0.01	0.073	-0.0003	0.0012	0.0033	0.0016	0.009	0.05	0.0009	0.00037	0.03	0.009	0.0023	0.00025	0.005	0.014							
054-3484-86		0.0052	0.0017	0.0034	0.0012	0.071	-0.0003	0.006	0.0058	0.0016	0.01	0.05	0.0015	0.00044	0.02	0.014	0.003	0.00032	0.009	-0.018							
054-3485-86		0.026	0.0009	0.026	0.002	0.5	-0.0029	-0.0007	0.0019	-0.02	0.004	0.05	0.0009	0.0004	0.018	0.007	0.004	0.00033	0.014	0.007							
054-3486-86		0.025	0.0016	0.0032	0.015	0.11	-0.0003	0.0017	0.0025	0.011	0.019	0.43	0.0008	0.04	0.02	0.006	0.0016	0.000224	0.039	0.021							
						SEDIMENT						TOXIC ELEMENTS															
		Al	As	Cd	Co	Cr	Cu	Fe	Hg	Mn	Ni	Pb	Se	V	Zn							Others/Set Only		Size	Type		Origin
136-HR1	ppm		-6.29	3.88	-14	126	79.9	30579	-0.342	549	39.4	139	-0.713	84.1	1105							Leachable & Recoverable		100g	CRM		Humber River
136-SUD1	ppm		-31.1	2.3	44.2	81.2	561	32688	0.113a	578	936	56.3	2.65	67.8	768							Leachable & Recoverable		100g	CRM		Sudbury
136-TH2	ppm		8.7	5.22	15.7	123	124	35361	0.62	584	43	194	0.825	89.2	908							Leachable & Recoverable		100g	CRM		Toronto Harbour
136-WQB1	ppm	7.31	23	2.1	20.1	-89.1	79.6	0.048	1.09	2237	61.5	83.7	1.02	129	275							Leachable & Recoverable		100g	CRM		Lake Ontario
136-WQB3	ppm		18.8	3.85	15.3	-119	81.6	60000	2.75	1264	52	240	1.15	90.7	1396							Leachable & Recoverable		100g	CRM		Hamilton Harbour
						SEDIMENT						ESTUARY															
		Al2O3	CaO	C	Fe2O3	K2O	MgO	Na2O	P2O5	SiO2	TiO2	LOI	Ag	As	Au	B	Ba	Be	Cd	Co	Cr	Others/Set Only		Size	Type		Origin
132-MESS3	%	8.59	1.47	-2	4.34	-2.6	-1.6	-1.6	-0.12	-27	0.44n		0.18a	21.2a				2.30a	0.24a	14.4a	1.5a	Sb 1.02a Th 0.90a U (4)a		50g	CRM		
331-1646A	%	2.297n	0.519n		2.008n	0.864n	0.388n	0.741n	0.027n	40n	0.456n			6.23a					0.148a		40.9a			75g	CRM		
cont...			Cu	Hg	La	Li	Mn	Mo	Nb	Ni	Pb	Rb	S	Se	Sn	Sr	V	Y	Yb	Zn							
132-MESS3			33.9a	0.091a		73.6a	324a	2.78a		46.9a	21.9a		-0.19	0.72a	2.50a	125a	243a			159							
331-1646A			10.01a				234.5a				11.7a		0.352	0.193a			44.84a			48.9a							
						SEDIMENT						HARBOUR															
		Al2O3	CaO	C	Fe2O3	K2O	MgO	Na2O	P2O5	SiO2	TiO2	LOI	Ag	As	Au	B	Ba	Be	Cd	Co	Cr	Others/Set Only		Size	Type		Origin
132-PACS2	%	6.62	1.96	-3	4.09	1.24	1.47	3.45	0.096	-28	0.443		1.22a	26.2a					2.11a	11.5a	90.7a	Cl (3) Sb 11.3a		65g	CRM		
cont...			Cu	Hg	La	Li	Mn	Mo	Nb	Ni	Pb	Rb	S	Se	Sn	Sr	V	Y	Yb	Zn							
132-PACS2			310a	3.04a		32.2a	440a	5.43a		39.5a	183a		1.29	0.92	19.8a	276a	133a			364a							
						SEDIMENT						LAKE															
		Al2O3	CaO	C	Fe2O3	K2O	MgO	Na2O	P2O5	SiO2	TiO2	LOI	Ag	As	Au	B	Ba	Be	Cd	Co	Cr	Others/Set Only		Size	Type		Origin
071-LKSD1	%	-7.8	-10.8	-12.3	-4.1	-1.1	-1.7	-2	-0.2	-40.1	-0.5	-29.9	(0.6)a	(40)a	(0.005)a	(49)a	(430)a	(1.1)a		(11)a	(31)a	Br (11)a	/Y	100g	CRM		
071-LKSD2	%	-12.3	-2.2	-4.5	-6.2	-2.6	-1.7	-1.9	-0.3	-58.9	-0.6	-13.6	(0.8)a	(11)a	(0.003)a	(65)a	(780)a	(2.5)a		(17)a	(57)a	Br (18)a	/Y	100g	CRM		
071-LKSD3	%	-12.5	-2.3	-4.5	-5.7	-2.2	-2	-2.3	-0.2	-58.5	-0.5	-13.4	(2.7)a	(27)a	(0.003)a	(25)a	(680)a	(1.9)a		(30)a	(87)a	Br (16)a	/Y	100g	CRM		
071-LKSD4	%	-5.9	-1.8	-17.7	-4.1	-0.8	-0.9	-0.7	-0.3	-41.6	-0.4	-43.6	(<0.5)a	(16)a	(0.002)a	(22)a	(330)a	(1)a		(11)a	(33)a	Br (49)a	/Y	100g	CRM		
262-SL1	%				6.74n	(1.45)n		(0.170)n			0.517n			27.5a			639a		(0.26)a	19.8a	(104)a		Ce 117a Th 14a	25g	CRM		
262-SL3	%	(2.45n)	(11.11)n			0.874n	(2.7)n	(0.669)n			(2.61)n			3.2a							(1.38)a		Br (5.6)a Ce 45.5a Th 7a	25g	CRM		
cont...			Cu	Ga	La	Li	Mn	Mo	Nb	Ni	Pb	Rb	S	Sc	Sn	Sr	V	Y	Yb	Zn	Zr						
071-LKSD1			(44)a		(16)a	(7)a	(700)a	(10)a	(7)a	(16)a	(82)a	(24)a	-1.57	(9)a	(16)a	(250)a	(50)a	(19)a	(2)a	(331)a	(134)a						
071-LKSD2			(37)a		(68)a	(20)a	(2020)a	(<5)a	(8)a	(26)a	(44)a	(85)a	-0.14	(13)a	(5)a	(220)a	(77)a	(44)a	(4)a	(209)a	(254)a						
071-LKSD3			(35)a		(52)a	(25)a	(1440)a	(<5)a	(8)a	(47)a	(29)a	(78)a	-0.14	(13)a	(3)a	(240)a	(82)a	(30)a	(2.7)a	(152)a	(178)a						
071-LKSD4			(31)a		(0.26)a	(12)a	(500)a	(<5)a	(9)a	(31)a	(91)a	(28)a	-0.99	(7)a	(5)a	(110)a	(49)a	(23)a	(2)a	(194)a	(105)a						
262-SL1			(30)a	(23.7)a	52.6a		0.346			(44.9)a	(37.7)a	113a		(17.3)a		(80)a	170a		(3.42)a	223a							
262-SL3			(2.22)a			(0.3)a			21.5a			38.8a		(3.91)a		0.47a			(1.89)a								

SOIL/SEDIMENT						SEDIMENT					RIVER													POWDER		
		Al2O3	CaO	CO2	Fe2O3	K2O	MgO	Na2O	P	SiO2	Ti	LOI	Ag	As	Au	B	Ba	Be	Bi	Br	Cd	Others/Set Only		Size	Type	Origin
202-DC78301	%				3.94n									56a			375a	(3.5)a			2.45a			50g	CRM	
331-8704	%	6.11n	2.6n	3.35n	3.97n	2n	1.2n	0.551n	0.0998	29.8n	0.457		1.44a	23.4a			414a				2.94a			50g	RM	Buffalo River
202-DC73359	%	14.84	4.61	-0.12	7.35	2.77	4.14	3.48	1490a	58.41	5870a		0.048a	2a		4.6a	950a	3a	0.66a		0.088a	FeO 2.26		70g	CRM	
202-DC73360	%	15.72	0.25	-0.07	1.9	5.2	0.21	3.03	200a	69.91	1380a		0.066a	6.2a		10.8a	185a	17.1a	1.64a		0.065a	Fe 0.56		70g	CRM	
202-DC73361	%	12.04	-0.22	-0.06	6.54	2.46	0.68	0.32	630a	71.29	6360a		0.59a	18a		33a		1.5a	0.79a		0.1a	FeO (0.72)		70g	CRM	
202-DC73362	%	15.69	7.54	5.48	5.91	2.23	1.02	0.3	470a	52.59	5340a		0.084a	19.7a		52a	470a	2.4a	0.64a		0.19a	FeO (0.91)		70g	CRM	
202-DC73363	%	15.37	5.34	3.56	5.86	2.11	0.98	0.39	630a	56.44	5370a		0.36a	75a		51a	440a	2.3a	2.4a		0.82a	FeO (0.94)		70g	CRM	
202-DC73364	%	14.16	3.87	2.03	5.88	2.43	3	2.3	1020a	61.24	4640a		0.36a	13.6a		50a	330a	1.7a	5a		0.43a	FeO 1.58		70g	CRM	
202-DC73365	%	13.41	1.67	-0.16	6.51	3.54	-3.06	1.21	820a	64.7	4480a		1.05a	84a		143a	720a	2.7a	0.66a		1.05a	FeO 1.5		70g	CRM	
202-DC73366	%	7.7	0.24	-0.08	2.2	2.84	0.25	0.47	140a	82.89	3640a		0.062a	2.4a		3.6a	480a	2a	0.19a		0.081a	FeO 0.53		70g	CRM	
202-DC73367	%	10.58	5.35	4.2	4.86	1.99	2.39	1.44	670a	64.89	5500a	7.21	0.089a	8.4a		54a	430a	1.8a	0.42a	(1.5)a		I (0.61)a FeO 1.53		70g	CRM	
202-DC73368	%	2.84	0.7	0.42	3.86	0.125	0.12	0.039	271a	88.89	1270a	2.88	0.27a	25a		26a	42a	0.9a	0.38a	(2.4)a	0.26a	I 1.6a FeO (0.24)		70g	CRM	
202-DC73369	%	10.37	0.47	-0.09	4.39	3.28	0.62	0.46	255a	76.25	2100a	(3.02)a	3.2a	188a		68a	260a	26a	50a	(2.3)a	1.12a	Cl 290a I 2a FeO (0.34)		70g	CRM	
202-DC73370	%	9.3	1.16	-0.18	4.88	2.91	0.47	0.44	235a	77.29	1510a	2.62	1.15a	115a		24a	206a	8.2a	10.9a	(1.7)a	2.3a	Cl (163)a I 1.8a FeO 1.19		70g	CRM	
																					4a					
191-320	%	(8.2)n	(2.2)n		(4.5)n	(2.5)n	(2)n	(2)n	-0.11	(27.8)n	-0.5			76.7a			(531)a	(2.5)a						40g	CRM	
																					0.533a					
031-46	%	6.71	1.32		28.16	0.35	3.16	0.28	0.11m	35.9	0.6m						-0.018					FeO (18)		100g	CRM	
031-51	%	11.87	0.86		18.36	0.33	0.92	0.07	0.21m	33.81	0.82m						-0.0335					FeO (3)		100g	CRM	
031-52	%	9.38	0.37		19.71	0.25	0.6	-0.1	0.09m	57.81	1.3m						-0.041					FeO (4)		100g	CRM	
071-STSD1	%	-9	-3.6	(12.3)n	-6.5	-1.2	-2.2	-1.8	(0.4)m	-42.5	(4600)a	-31.6	(<0.5)a	(23)a		(89)a	(630)a	(1.6)a		(40)a		Au (0.008)a		100g	CRM	
071-STSD2	%	-26.1	-4	(1.6)n	-7.5	-2.1	-3.1	-1.7	(0.3)m	-53.7	(4870)a	-10.3	(0.5)a	(42)a		(42)a	(540)a	(5.2)a		(4)a		Au (0.003)a		100g	CRM	
071-STSD3	%	-10.9	-3.3	(8.4)n	-6.2	-1.8	-2.2	-1.5	(0.4)m	-48.6	(4400)a	-23.6	(0.5)a	(28)a		(82)a	(1490)a	(2.6)a		(24)a		Au (0.007)a		100g	CRM	
071-STSD4	%	-12.1	-4	(4.1)n	-5.7	-1.6	-2.1	-2.7	(0.2)m	-58.9	(4530)a	-11.6	(<0.5)a	(15)a		(46)a	(2000)a	(1.7)a		(13)a		Au (0.004)a		100g	CRM	

cont...	Ce	Co	Cr	Cu	Cs	Dy	Er	Eu	F	Ga	Gd	Ge	Hf	Hg	Ho	In	La	Li	Lu
202-DC78301		16.5a	90a	53a										0.22a					
331-8704	66.5a	13.5a	121a		5.83a			1.31a					8.4a						
202-DC73359	81a	20.4a	194a	22a	5.1a	4.4a	2.3a	1.8a	870a	23a	6.1a	1.3a	10a	0.018a	0.88a	0.064a	43a	29.6a	0.42a
202-DC73360	192a	2.6a	12a	4.9a	16.6a	11a	8.2a	0.49a	1980a	27.4a	9.5a	1.7a	20a	0.04a	2.6a	(0.046)a	90a	101a	1.6a
202-DC73361	64a	11.7a	87a	177a	7.8a	4a	2.3a	1.3a	345a	15.9a	4.7a	1.3a	6a	0.05a	0.9a	0.09a	39a	33a	0.39a
202-DC73362	78a	18a	81a	37a	10a	4.6a	2.4a	1.3a	740a	20.5a	5a	1.4a	5.8a	0.044a	1a	0.058a	40a	51a	0.47a
202-DC73363	89a	18.9a	70a	137a	9.4a	5a	2.8a	1.4a	585a	20.3a	6.4a	1.4a	6.5a	0.1a	0.95a	0.13a	46a	45a	0.46a
202-DC73364	68a	24.4a	190a	383a	9.1a	3.8a	2.2a	1.5a	690a	16.7a	5.5a	1.3a	4.9a	0.045a	0.76a	0.14a	39a	40a	0.34a
202-DC73365	78a	20.8a	122a	38a	5.9a	4.2a	2.3a	1.3a	890a	17.7a	5.8a	1.4a	4.9a	0.053a	0.96a	0.081a	45a	32a	0.39a
202-DC73366	54a	3.6a	7.6a	4.1a	3.6a	2.6a	1.8a	0.56a	204a	10.8a	3.5a	0.94a	14.5a	0.042a	(0.96)a	(0.043)a	30a	13.2a	0.38a
202-DC73367	78a	14.4a	85a	32.1a	5.1a	5.1a	2.8a	1.33a	494a	14a	5.5a	1.28a	9.7a	0.0000083	0.96a	0.056a	40a	30a	0.45a
202-DC73368	38a	15.3a	136a	22.6a	2.3a	2.2a	1.3a	0.47a	149a	6.4a	2.25a	0.4a	1.8a	0.000028a	0.45a	0.067a	13a	13a	0.19a
202-DC73369	58a	8.5a	40a	78.6a	17.4a	7.2a	4.6a	0.6a	1.65E-08a	18.5a	5.9a	1.81a	5.4a	0.0000072	1.4a	1.86a	30a	70.6a	0.78a
202-DC73370	61a	8.8a	35a	1230a	7.9a	4.8a	3.1a	0.61a	1250a	14.1a	4.4a	1.87a	8.3a	0.0000056	0.94a	0.96a	32.7a	39a	0.58a
191-320	(95)a	(19)a	138a	44.1a	(5)a			(1.5)a		(20)a				1.03a			(46)a		
031-46	-0.011	0.0056	0.0559	0.0566															
031-51	-0.012	0.006	0.0509	0.0268						-0.002									
031-52	-0.021	0.0081	0.19m	0.0219						-0.0015									
071-STSD1	(51)a	(17)a	(67)a	(36)a	(1.8)a	(5.6)a		(1.6)a	(950)a				(6.1)a				(30)a	(11)a	(0.8)a
071-STSD2	(93)a	(19)a	(116)a	(47)a	(12)a	(6.5)a		(2)a	(940)a				(5)a				(59)a	(65)a	(0.7)a
071-STSD3	(63)a	(16)a	(80)a	(39)a	(5.2)a	(5.4)a		(1.3)a	(850)a				(5.1)a				(39)a	(23)a	(0.8)a
071-STSD4	(44)a	(13)a	(93)a	(65)a	(93)a	(0.38)a		(1.2)a	(380)a				(5.5)a				(24)a	(14)a	(0.5)a

SOIL/SEDIMENT					SEDIMENT					RIVER										POWDER
cont...	Mn	Mo	Nb	Nd	Ni	Pb	Pr	Rb	S	Sb	Sc	Se	Sm	Sn	Sr	Ta	Tb	Te	Th	
202-DC78301	975a				(32)a	79a						0.39a								
331-8704	544a				42.9a	150a				3.07a	11.2a								9.07a	
202-DC73359	920a	0.74a	35a	39a	76a	24.4a	10a	116a	80a	0.22a	15.6a	(0.11)a	7.2a	3.1a	525a	3.7a	0.86a		28a	
202-DC73360	240a	2a	95a	62a	5.5a	32a	18.6a	470a	89a	0.46a	4.4a	0.2a	10.8a	29a	28a	15.3a	1.8a	(0.031)a	70a	
202-DC73361	400a	92a	16a	30a	25.6a	40a	8.3a	79a	192a	5.4a	14.3a	1.06a	5.3a	3.4a	90a	1a	0.7a	0.14a	9.2a	
202-DC73362	825a	0.86a	18a	32a	40a	30.4a	9.3a	130a	354a	1.84a	15.4a	0.29a	6.2a	4a	142a	1.4a	0.9a	(0.08)a	14.6a	
202-DC73363	1160a	1.2a	19a	35a	34a	30a	(9.6)a	118a	410a	3.9a	14.5a	0.4a	6.6a	4.6a	204a	1.4a	0.9a	(0.12)a	15.2a	
202-DC73364	970a	7.7a	12a	33a	78a	27a	8.4a	107a	784a	1.25a	17a	0.3a	5.6a	2.8a	266a	0.75a	0.69a	(0.14)a	9a	
202-DC73365	690a	1.4a	17.2a	37a	53a	350a	9.6a	147a	190a	2.6a	14.6a	0.3a	6.1a	5.4a	220a	1.35a	0.76a	(0.065)a	12.6a	
202-DC73366	335a	0.54a	35a	21a	2.7a	21a	5.7a	132a	(80)a	0.24a	5.7a	(0.15)a	3.8a	9.4a	52a	3.7a	0.54a		13.4a	
202-DC73367	620a	0.64a	17.7a	34a	32.3a	23a	9.2a	80a	150a	0.81a	11.1a	0.16a	6.3a	2.6a	166a	1.3a	0.87a	(0.04)a		
202-DC73368	1013a	1.2a	6.8a	11.8a	30.2a	27a	3.2a	9.2a	90a	6.3a	0.8a	0.28a	2.4a	1.4a	25.3a	(0.52)a	0.42a	0.08a		
202-DC73369		5.9a	25a	27a	14.3a	636a	7.4a	408a	170a	14.9a	4.1a	0.2a	6.2a	370a	29a	5.7a	1.13a	(0.38)a		
202-DC73370	1400a	0.8a	15.4a	25.6a	12.8a	285a	6.9a	270a	940a	24.3a	7.4a	0.25a	5a	54a	24.4a	3.2a	0.82a	0.29a		
191-320	-0.08	-0.00006			75.2a	42.3a				(6)a	15.25a	0.214a		(6)a					(18)a	
031-46	1.14n	-0.001			-0.0125	-0.00013		-0.002	0.17						0.0025					
031-51	0.21n		-0.0009		0.0178	0.52		0.0037	-0.24						0.0044				-0.001	
031-52	0.27n		0.0011		0.0182	0.12		0.002	-0.02						0.0025				-0.0011	
071-STSD1	(3950)a	(<5)a	(5)a	(28)a	(24)a	(35)a		(30)a	-0.18	(3.3)a	(14)a		(6)a	(4)a	(170)a	(0.4)a	(1.2)a		(3.7)a	
071-STSD2	(1060)a	(13)a	(20)a	(43)a	(53)a	(66)a		(104)a	-0.06	(4.8)a	(16)a		(8)a	(5)a	(400)a	(1.6)a	(1.3)a		(17.2)a	
071-STSD3	(2730)a	(6)a	(12)a	(33)a	(30)a	(40)a		(68)a	-0.14	(4)a			(7)a	(4)a	(230)a	(0.9)a	(1.1)a		(5.5)a	
071-STSD4	(1520)a	(<5)a	(9)a	(21)a	(30)a	(16)a		(39)a	-0.09	(7.3)a	(14)a		(5)a	(21)a	(350)a	(0.6)a	(0.9)a		(4.3)a	

cont...	Tl	Tm	U	V	W	Y	Yb	Zn	Zr	H2O
202-DC78301				(96)a				(251)a		
331-8704	1.2a		3.09a	94.6a				408a		
202-DC73359	0.61a	0.39a	4.4a	121a	1.04a	22a	2.4a	79a	310a	2.3
202-DC73360	1.9a	1.55a	17a	16.5a	24.4a	6.7a	11a	44a	460a	2.58
202-DC73361	0.58a	0.39a	1.86a	120a	4.9a	22a	2.6a	52a	220a	-3.95
202-DC73362	1.2a	0.48a	2.6a	118a	2.5a	26a	2.9a	101a	188a	-6.38
202-DC73363	1.16a	0.48a	2.6a	109a	3.2a	26a	2.9a	243a	220a	-6.41
202-DC73364	1.08a	0.35	2.4a	142a	25a	20.2a	2.1a	144a	170a	3.49
202-DC73365	0.93a	0.44a	3.5a	96a	5.5a	24a	2.6a	238a	162a	-3.5
202-DC73366	0.78a	0.33a	3a	26a	2a	18a	2.1a	43a	490a	2.22
202-DC73367	0.49a	0.44a	2.6a	97a	1.76a	26.6a	2.8a	78a	370a	2.93
202-DC73368	0.21a	0.2a	2.1a	107a	1.63a	13.8a	1.2a	46a	70a	-2.1
202-DC73369	2.9a	0.74a	9.1a	46.8a	126a	42.7a	5.1a	373a	153a	2.67
202-DC73370	1.76a	0.53a	7.8a	46.6a	37.4a	29.3a	3.7a	498a	234a	2.15
191-320	(0.5)a		(6)a	(105)a				142a		
031-46				0.0225		-0.002		0.59	0.0101	
031-51				0.0181		0.0021		0.22	0.0121	
031-52				0.0346		0.002		0.0264	0.025	
071-STSD1			(8)a	(98)a	(<4)a	(42)a	(4)a	(198)a	(218)a	-4.46
071-STSD2			(18.6)a	(101)a	(<7)a	(37)a	(3.7)a	(246)a	(185)a	-2.43
071-STSD3			(10.5)a	(134)a	(<4)a	(36)a	(3.4)a	(204)a	(196)a	-3.47
071-STSD4			(3)a	(106)a	(<4)a	(24)a	(206)a	(107)a	(190)a	-1.73

SOIL/SEDIMENT						SEDIMENT					MARINE													POWDER	
		Al2O3	CaO	CO3	Fe2O3	K2O	MgO	Na2O	P2O5	SiO2	TiO2	LOI	Ag	As	B	Ba	Cd	Cl	Ce	Co	Cr	Others/Set Only	Size	Type	Origin
202-DC74301	%	13.75	1.71	-0.38	6.58	2.95	3.38	4.81	0.45	53.86	0.67	(9.93)a		5.8a	125a	0.44		4.07	92a	76.7a	58.4a	H2O 5.39 C(org) (0.25) FeO (0.29)	25g+	CRM	
202-DC75301	%	13.07	4.31	4.7	5.36	2.48	2.5	1.68	0.148	61.91	0.825			10.3a	(73)a	425a	0.2a		(78)a	(14.2)a	85a	C(org) (0.5)	75g	CRM	Offshore
cont...			Cu	Cs	Dy	Er	Eu	F	Ga	Gd	Hg	Ho	La	Li	Lu	MnO	Mo	Nb	Nd	Ni	Pb				
202-DC74301			424a	9.4a	19.9a	11a	5.3a	-0.13	23.7a	22a		4.3a	67.8a	60a	1.46a	0.43	7.2a	(15.1)a	91.8a	150a	29.3a				
202-DC75301			31a		(5.4)a	(3)a	(1.3)a		(16.1)a	(5.6)a	0.048a	(1)a	(38)a		(0.45)a	0.096	(0.64)a	(19.1)a	(33)a	34.3a	25a				
cont...			Pr	Rb	S	Sb	Sc	Se	Sm	Sr	Tb	Th	Tm	U	V	W	Y	Yb	Zn	Zr					
202-DC74301			20.1a	97.3a	0.31	1.85a	25.6a		21.5a	267a	3.4a	13.9a	1.54a	1.98a	112a	5.5a	104a	9.8a	160a	177a					
202-DC75301			(8.7)a	(109.3)a		(1.4)a	(12.5)a	16a	(6.7)a	150a	(0.83)a	(10.2)a	(0.44)a	(2.7)a	(103.1)a	(2.1)a	(27)a	(2.8)a	87a	(229)a					
						SEDIMENT					OOZE/SILT														
		Al2O3	CaO	CO2	Fe2O3	K2O	MgO	Na2O	P2O5	SiO2	TiO2	LOI	Ag	As	Au	B	Ba	Be	Ce	Co	Cr	Others/Set Only	Size	Type	Origin
054-5368-90	%	12.7	9.2	6	6.92	1.33	3.21	4.45	0.23	41.8	0.73	17.5				0.005	0.32	0.00014	0.0025	0.0038	0.0066	FeO 0.6	50g	CRM	Clay
054-5369-90	%	14.37	7.63	2.4	11.82	1.34	4.58	4	0.27	43.5	2.3	9.2					0.13	0.00018	0.005	0.0046	0.026	FeO 2.9	50g	CRM	Volcanogeous
054-5370-90	%	3.6	39.23	32.2	2.44	0.51	3.44	1.86	0.23	11.9	0.3	36.6					0.01	0.0001		0.0012	0.0034	FeO 0.17	50g	CRM	Calcareous
054-5371-90	%	8.96	6.4	2.7	5.05	1.39	3.16	4.52	0.12	59.6	0.59	9.6		0.002	0.004a	0.007	0.15	0.00016	0.0033	0.003	0.008	U 0.00015	50g	CRM	Siliceous Silt
054-5372-90	%	15.97	3.03	1	9.23	2.79	3.17	3.5	0.72	48.8	0.98	9.3		0.0032	0.005a	0.007	0.11	0.00021	0.01	0.016	0.009	U 0.00025	50g	CRM	Clay, deep water
cont...			Cu	Ga	La	Li	MnO	Mo	Ni	Pb	Rb	S	Sc	Sn	Sr	Th	V	Y	Yb	Zn	Zr				
054-5368-90			0.017	0.001	0.0013	0.005	1.04	0.0004	0.019	0.001	0.0028	0.12	0.0023	0.0002	0.05	0.00024	0.012	0.003	0.0003	0.024	0.009				
054-5369-90			0.018	0.0012	0.0025	0.0035	0.265	0.00017	0.015	0.0018	0.0037	0.17	0.0026	0.00033	0.051	0.0005	0.02	0.0033		0.013	0.017				
054-5370-90			0.003	0.0005	0.0007	0.0013	0.218	0.0004	0.0038	0.0011	0.0011	0.19	0.0006	0.021	0.12	0.0003	0.0057	0.0009		0.01	0.008				
054-5371-90			0.014	0.0011	0.0015	0.0018	0.37	0.00028	0.01	0.0024	0.0046	0.17	0.0017	0.00032	0.034	0.0005	0.0085	0.0016	0.00022	0.009	0.01				
054-5372-90			0.032	0.0014	0.008	0.006	1.77	0.0038	0.037	0.0062	0.009	0.15	0.0032	0.0004	0.029	0.0014	0.015	0.015	0.0015	0.016	0.019				
						SEDIMENT					ORGANIC CONTAMINENT														
TIN			Dibutyltin		Tributyl																	Others/Set Only	Size	Type	Origin
191-462	µg/kg		68		54																		25g	CRM	Coastal
PAH			Anthracene		Benz(a)anthracene		Benzo(a)pyrene		Benzo(b)fluoranthene			Benzo(ghi)perylene		Benzo(k)fluoranthene			Fluorthene		ndeno(1,2,3-cd)pyrene			Others/Set Only	Size	Type	Origin
331-1941	µg/g		0.202		0.55		0.67		0.78			0.516		0.444			1.22		0.569			(PAH) (PCB) (30 elements)	50g	CRM	
cont...			Perylene		Phenanthrene		Pyrene																		
331-1941			0.422		0.577		1.08																		