

ELEMENT: Au	Ag	As	Ba	Cd	Cu	Fe	Mn	Mo	Ni	Pb	Zn
UNITS ppb	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
DETECTIC 1		0.1	1	0.1	0.1	1	0.01	1	0.1	1	2 1
METHOD FA25/SAA: A/MS		A/MS	A/MS	A/MS	A/OES	A/OES	A/OES	A/MS	A/OES	A/MS	A/OES
COMMENTS: 134.3/0709410 (05/10/2007) CLIENT O/N: 4500769831 2/2											

SAMPLE NUMBERS

379701	1 X	X		34.9 X		10	1.39	63	0.9	13	2	10
379702	1 X	X		56.3 X		5	0.7	44	0.3	5	3	8
379703	1 X	X		40.7 X		11	1.21	80	1.2	17	3	8
379704	1 X		1	136.9 X		4	0.9	36	0.3	11	3	9
379705	6 X		2	263.9 X		6	2.24	48	0.8	14	5	12
379706	1	0.2	1	231.8 X		6	1.46	42	0.5	8	7	14
379707	3 X		2	306.4 X		5	1.73	39	0.7	11	6	24
379708	2 X		2	202.8 X		3	1.57	36	0.5	6	3	20
379709	2 X		3	226.1 X		6	2.19	71	0.7	12	5	22
379710	1 X		2	248 X		3	2.91	60	0.5	8	7	23
379711	5 X		3	257.2 X		2	3.11	45	0.7	9	8	22
379712	1 X		2	343 X		2	2.07	28	0.5	6	4	15
379713	6 X		2	425.6 X		3	1.2	28	0.5	7	5	10
379714	2 X		2	231.7 X		2	0.78	29	0.4	5	3	10
379715	1 X		2	267.2 X		3	0.79	29	0.7	8	3	18
379716	2 X		3	209.9 X		3	0.74	41	0.4	4	3	14
379717	2 X		2	133.3 X		6	0.83	42	0.9	11	4	11
379718	2 X		2	85.6 X		6	0.59	45	0.8	5	4	7
379719	2	0.2	2	89.6 X		7	0.71	50	0.9	10	4	8
379720	2 X		1	36.1 X		5	0.94	63	0.5	8	5	10
379721	2 X	X		34.3 X		10	1.45	77	1.1	16	4	5
379722	7 X		1	40.5 X		4	1.31	58	0.3	6	6	8
379723	2 X	X		30.1 X		11	1.35	88	1.4	19	7	7
379724	2 X	X		31.9 X		4	0.89	61	0.6	6	3	11
379725	2 X	X		23 X		12	1.44	104	1.7	22	2	9
379726	2 X	X		23.5 X		4	0.97	70	0.5	5	3	4
379727	2 X		1	22.5 X		11	1.43	96	1.6	21 X		7
379728	12 X	X		26.4 X		3	1.22	61	0.4	5	2	3
379729	2 X		1	21.6 X		17	1.42	85	1.4	16 X		12

379730	1 X	X		43.1 X		8	2.19	87	0.5	4	7	14
379731	2	0.2	2	64.1	0.1	16	2.14	104	1.6	20	9	12
379732	2 X	X		60.3 X		10	1.14	64	0.4	8	5	8
379733	2 X		1	19.9 X		16	1.25	97	1.4	16	3	9
379734	6 X		2	25.3 X		6	1.31	63	0.6	3	5	10
379735	2 X	X		43.6 X		14	1.18	86	1.2	16	7	9
379736	2	0.1 X		140.5	0.1	5	1.12	114	0.8	2	22	50
379737	2 X	X		9.6 X		11	1.17	86	1.3	16 X		7
379738	2 X	X		8.3 X		4	1.07	80	0.4	3 X		11
379739	1 X	X		11.5 X		13	1.51	106	1.6	19	2	7
379740	6 X		1	16.5	0.1	4	0.32	19	0.4	4	8	15
379741	2 X	X		7.7 X		42	1.65	122	1.8	23	2	10
379742	5 X	X		10.5 X		22	1.44	106	0.6	5	3	7
379743	2 X		4	58.6 X		24	1.35	73	1.7	13	5	15
379744	2 X		10	107.3 X		43	1.76	79	1.1	4	3	26
379745	3 X		9	189.4 X		19	1.62	48	1.2	8	6	16
379746	2	0.1	15	189.7 X		24	2.28	333	0.9	9	21	20
379747	2	0.1	20	241.3 X		24	2.15	797	1.1	11	15	20
379748	5	0.2	230	158 X		24	4.13	89	1.8	10	67	21
379749	4	0.3	64	182.9	0.1	28	3.04	47	1.2	8	81	21
379750	3 X		21	296.1 X		21	2.14	46	0.8	9	16	23
379751 X	X		14	138 X		20	1.98	61	1	10	6	19
379752	2 X		26	99.3 X		14	1.65	60	0.5	4	4	13
379753	6 X		66	2436.9 X		42	5.41	404	1.7	63	14	42
379754	3	0.1	16	297.3 X		25	2.99	364	1.4	40	25	158
379755	2 X		13	398.1 X		13	1.37	117	0.9	8	4	14
379756	5	0.2	146	273.6 X		36	1.92	54	0.7	4	7	14
379757	6 X		6	233.6 X		21	1.04	63	0.7	7	5	17
379758	1 X		6	187.3 X		17	0.97	39	0.4	3	5	18
379759	7 X		6	151.7 X		16	0.94	106	0.8	7	4	16
379760	1 X		3	122.2 X		10	0.66	92	0.7	2	6	15
379761	2	0.1	3	198 X		9	1.27	95	1.7	5	5	15
379762	1 X		5	208.7 X		7	1.1	40	1.5	3	7	14
379763	3 X		1	43.3 X		12	0.98	76	1.3	12	3	6
379764	1 X		2	180.6 X		3	0.69	32	0.5	1	2	13
379765	2 X		1	125.2 X		7	0.71	68	0.7	7	6	13

379766	2 X		8	147.6 X		11	0.74	206	0.7	3	5	16
379767	1	0.1	2	131.1 X		9	0.77	65	0.9	8	6	15
379768	5	0.2	3	168.3 X		13	0.73	61	0.5	2	5	23
379769	1 X		3	175.1 X		12	0.8	122	0.9	7	5	19
379770	1 X		3	98.8 X		8	0.6	50	0.5	2	5	14
379771	1 X		1	65.9 X		10	0.6	51	0.8	7	3	9
379772	2	0.2	76	108.2	0.2	20	6.43	330	1.5	10	56	116
379773	2	0.3	2	58.9 X		12	0.81	76	1.1	10	4	9
379774	1 X		2	402 X		4	0.37	24	0.9 X		5	8
379775	2	0.1	4	195.3 X		10	1.62	58	1.4	10	12	18
379776	1	0.1	2	171.9 X		9	0.74	41	0.6	6	10	13
379777	2	0.2	3	305.9 X		17	1.13	55	1.1	17	18	14
379778	2	0.2	19	344.3 X		13	3.03	51	0.8	18	125	24
379779	3	0.2	38	349.7	0.2	22	5.99	92	2.1	27	207	62
379780	7	0.3	14	251.3 X		11	3.14	69	1.2	15	85	50
379781	2 X		7	165 X		15	2.56	287	1.2	34	17	28
379782	4	0.2	6	164.9 X		33	4.32	128	0.7	30	13	27
379783	4 X		1	187.8 X		13	3.83	107	0.7	30	10	32
379784	3 X	X		85.2 X		15	1.03	62	0.3	8	6	20
379785	2 X	X		18.6 X		12	1.25	96	1.3	17	2	18
379786 X	X	X		11.1 X		4	0.56	45	0.3	1 X		7
379787	2 X	X		12.6 X		17	1.37	101	1.7	18	4	24
379788	2 X	X		10.4 X		6	0.61	48	0.3	1 X		9
379789	2 X	X		21.3 X		12	1.1	80	1.1	14	4	65
379790	2 X		1	46.9 X		5	0.57	61	0.4	2 X		11
379791	3 X		1	40.7 X		8	0.69	59	0.9	8	3	11
379792	6 X		1	51 X		5	0.61	60	0.5	2	2	8
379793	2 X		1	35.6 X		8	0.73	64	0.8	9 X		8
379794	2 X	X		31 X		5	0.55	69	0.4	1	3	14
379795	2 X	X		16.9 X		10	0.97	93	1.1	11	3	33
379796	3	0.2 X		16.2 X		6	0.6	54	0.4	2	4	11
379797	5 X	X		12.3 X		11	1.05	87	1.2	13	2	52
379798	2 X	X		11.1 X		6	0.64	76	0.3	2	4	9
379799	2	0.2 X		18.1 X		14	1.46	123	1.7	18	4	51
379800	1 X	X		16.9 X		6	0.79	68	0.3	1	2	29
379801	2 X		5	108.1 X		8	1.37	44	1.7	6	4	38

379802	4 X		4	149 X		7	1.97	231	0.9	6	14	125
379803	2 X		9	212.5 X		7	2.9	61	1.2	8	5	17
379804	1	0.1	6	162.8 X		11	1.51	46	0.8	5	5	11
379805	2 X		2	113 X		7	0.82	48	0.4	4	5	18
379806	2 X		2	113.2 X		9	0.66	99	0.5	3	6	30
379807	2 X		10	297.4 X		8	2.81	100	1.4	10	9	61
379808	2 X		12	307.7 X		7	2.43	50	0.9	7	7	22
379809	7	0.2	12	190.6 X		5	2	39	1.6	5	4	8
379810	3 X		37	228.5 X		23	3.46	1373	2.7	10	18	15
379811	2 X		15	128.5 X		7	2.96	672	1	9	12	21
379812	2	0.1	17	127.3 X		8	1.08	32	0.9	2	7	27
379813	2	0.1	7	195.2 X		5	1.38	53	1.1	6	8	19
379814	2	0.2	4	85.5 X		8	0.68	37	0.9	2	6	25
379815 X	X		4	145.9 X		7	1.44	49	1.3	6	7	47
379816	1 X		35	249.2 X		21	1.91	241	1.1	4	10	26
379817	3 X		5	232 X		11	1.84	181	1.1	8	6	19
379818	3 X		1	182.7 X		7	0.86	47	0.5	1	5	35
379819	5 X		8	292 X		7	1.97	42	1.2	7	7	41
379820	1 X		3	105 X		8	0.6	54	0.5	1	2	31
379821	1 X		8	142.8 X		11	0.95	54	0.8	5	4	19
379822	1 X		5	127.2 X		7	0.6	44	0.5 X		3	8
379823	5 X		5	105.6 X		10	0.72	59	0.9	6	4	12
379824	2	0.1	11	218.1	0.1	15	5.66	40	1.9	10	23	26
379825	1 X		7	68.4 X		6	0.85	44	0.8	5	4	15
379826	6 X		5	79.6	0.1	4	0.69	39	0.7 X		3	9
379827	4	0.2	56	211.7 X		13	3.31	27	1.8	9	16	21
379828	4 X		3	92.9 X		14	0.68	44	0.4	2	4	9
379829	3 X		3	79.3 X		12	0.81	56	2.6	15	5	9
379830	4 X		3	128.6 X		7	0.69	31	0.6	1	4	10
379831	6	0.1	3	125.7 X		9	0.79	51	2	13	5	10
379832	3 X		2	104.9 X		4	0.59	38	0.4	1	3	9
379833 X	X		2	121.7 X		8	0.91	58	2.6	15	5	10
379834	2	0.2	2	103.9 X		6	0.56	47	0.4	3	5	11
379835	2	0.1	1	176.8	0.1	9	0.73	56	3.1	17	3	7
379836	1	0.3	1	147.5	0.2	4	0.93	112	0.6	2	24	56
379837	2 X		7	326.7	0.1	7	1.45	37	2.1	12	24	16

379838	4	0.2	28	290.8	0.1	90	2.9	201	1.2	19	78	62
379839	3 X		5	178.7	0.2	15	2.97	547	2.6	47	16	39
379840	3	0.1	36	273.3	0.1	20	6.16	166	1.3	28	70	55
379841	3 X		13	211.2	0.2	20	3.81	179	3.6	32	71	22
379842	7 X	X		23.5 X		17	1.65	139	6	41	3	8
379843	3 X	X		56.8 X		6	0.73	96	0.3	5	6	8
379844	7 X		5	79.8 X		24	6.71	298	3.3	49	14	49
379845	2 X		3	148	0.1	10	4.49	171	1	44	19	45
379846	2	0.1 X		14.3 X		7	0.61	51	0.3	2	2	10
379847	2 X	X		20.7 X		9	0.84	63	2.7	20	3	7
379848	3 X	X		21.1 X		12	1	85	0.4	5 X		19
379849 X	X		6	134.4 X		16	2.68	92	2.1	20	11	17
379850	2 X	X		10.2 X		5	0.83	69	0.3	2 X		6
379851	3 X		1	27.1	0.1	16	1.9	138	6.9	47	3	12
379852	3 X		2	46.6 X		6	1.11	56	0.2	3	3	11
379853	3 X		3	247.8 X		9	1.45	59	3	22	5	7
379854	6 X		3	66.1 X		5	0.97	52	0.3	3	3	11
379855	2 X		5	284.1	0.1	9	1.24	42	2	15	7	15
379856	5 X		3	183.6 X		5	0.82	51	0.3	4	6	14
379857	2 X		4	231.8	0.1	4	1.81	26	1.2	10	7	18
379858	2 X		2	171	0.1	4	1.05	38	0.5	4	6	17
379859	2 X		10	179	0.1	11	4.09	122	1.4	25	16	42
379860	7 X		3	197.5 X		6	1.1	46	0.6	5	6	32
379861	4 X		3	98.5	0.1	9	0.88	62	3.1	17	4	14
379862	2	0.1	11	229.9 X		10	1.91	64	0.7	4	9	26
379863	4 X		8	215.8 X		7	2.65	54	1.9	11	8	21
379864	3 X		11	198.7 X		8	4.78	73	1	11	10	33
379865	2 X		16	247.3 X		8	5.77	105	2.1	20	15	49
379866	4 X		6	174.8 X		7	1.63	73	1.3	8	11	18
379867	5 X		6	193.6 X		10	2.07	108	2.6	16	10	30
379868	2 X		2	145	0.1	10	0.92	107	0.6	4	5	23
379869 X	X		6	306.7 X		8	2.4	116	3.2	15	8	29
379870	2	0.3	7	277.2 X		11	2.34	158	2.2	14	12	33
379871	5 X		6	343.6	0.5	7	2.24	60	2.3	11	8	20
379872	2 X		77	108.8	0.2	19	7.31	357	1.4	12	56	120
379873	1 X		4	633.3	0.2	16	3.89	277	2.9	12	18	33

379874	1	0.2	3	550.9	0.1	5	2.07	84	1.5	11	10	27
379875	2 X		1	316.8 X		5	0.54	27	1.2	5	3	10
379876	3 X		1	295.2	0.1	8	0.51	44	0.6 X		4	13
379877	2 X		2	168.8 X		7	0.31	36	1.6	10	4	9
379878 X	X		2	288.2 X		5	0.47	25	1 X		3	14
379879	1 X		8	463.5 X		2	2.52	23	1.7	5	4	15
379880	2 X		4	407.2	0.1	3	1.76	30	0.8	2	4	16
379881	1 X		2	292.3	0.1	2	1.58	31	0.8	4	4	15
379882	2 X		8	261.8 X		5	2.09	149	1.2	8	4	16
379883	5 X		6	238.8 X		8	2.2	74	0.9	11	11	22
379884	2	0.2	2	157.4	0.1	8	1.04	53	1.9	13	6	12
379885	2 X		2	141	0.2	6	1.13	62	0.5	5	6	16
379886	2 X		4	170.9 X		4	2.51	41	1.3	7	5	15
379887	3 X		4	164.3	0.2	3	2.63	57	1	6	7	17
379888	1 X		3	165.6 X		4	2.25	58	1.3	6	6	15
379889	6 X		3	185.3 X		3	2.02	130	0.7	3	4	15
379890	2 X		2	250.1	0.1	3	2.31	121	1.1	6	4	14
379891	5 X		2	283.8	0.1	2	1.89	70	0.5	2	6	14
379892	2 X		2	165.1	0.1	7	1.27	90	2.1	13	6	15
379893	1	0.3	2	124.7	0.1	5	0.72	89	0.7	4	11	14
379894	2	0.1	5	168.4 X		7	1.94	58	2.3	16	10	15
379895	2 X		6	257.7	0.1	5	2.88	102	1.3	11	9	30
379896	2 X		2	546.8	0.1	7	2.37	83	2.5	16	10	14
379897	3	0.1	1	789.8	0.1	4	2.32	150	0.9	5	8	13
379898	2 X		3	385.4 X		8	1.96	72	2.2	11	9	14
379899	2 X		1	620.6	0.1	6	1.74	143	0.6	3	9	13
379900	1 X		4	408.4	0.1	3	1.58	31	1.5	2	9	4
379901	4 X		2	166.6 X	X		0.49	18	0.6 X		3	3
379902	2	0.1	22	224.3 X		14	1.67	22	1.3	24	10	18
379903	1 X		2	170.4 X		4	1.48	40	0.6	3	4	13
379904	1	0.3	2	121	0.1	6	1.41	63	2.6	15	5	13
379905	1 X	X		112.3	0.1	4	0.84	57	0.3	1	5	10
379906	2 X		1	93.5 X		9	0.84	51	2.6	15	4	7
379907	6	0.1	4	235.4 X		5	2.34	50	0.8	4	8	14
379908	2 X		2	106.5	0.1	6	0.71	45	2.1	11	4	9
379909	2 X		2	181.4	0.1	9	1.65	128	0.8	6	8	20

379910	2 X		5	161.5	0.1	12	2.2	143	1.8	11	9	21
379911 X	X		2	97.5 X		7	0.81	54	0.7	1	4	10
379912 X	X		4	180.1 X		14	1.97	76	1.3	7	5	17
379913	2 X		5	166.4	0.1	4	0.96	27	1	2	4	10
379914	2 X		8	294.2	0.1	9	2.08	35	1.8	17	13	17
379915	2	0.1	78	215.3	0.1	33	3.51	28	3.7	14	19	15
379916	2 X		5	135.8 X		10	1.15	46	1.7	10	4	8
379917	2 X		10	153.8 X		7	3.4	59	1.3	12	11	15
379918	6	0.1	3	176.8	0.1	12	1.28	162	2.7	18	10	9
379919	2 X		14	282.1	0.1	9	5.44	146	1.6	16	12	19
379920	2	0.1	5	246.6	0.1	9	1.41	40	1.5	8	5	14
379921	6 X		2	258	0.1	3	1.22	41	0.4	3	4	11
379922	2 X		2	214.3 X		5	1.29	48	1.7	10	3	11
379923	2 X		2	183.5 X		6	0.72	37	0.4	1	4	11
379924	4 X		4	187.7	0.1	5	0.94	35	1.8	9	5	10
379925	2 X		6	176.5	0.1	7	1.19	52	0.9	5	6	15
379926	2 X		5	171.6 X		5	1.06	36	1.3	8	4	13
379927	2 X		3	136.1	0.1	3	1.51	42	0.6	6	7	15
379928	1 X	X		133.4 X		3	1.1	31	1.4	11	3	11
379929	2 X		2	163.9 X		4	1.23	103	0.3	4	4	14
379930	5 X		2	157.2 X		6	0.86	54	2.5	15	4	7
379931 X	X		3	238.4 X		6	0.78	19	0.4	2 X		20
379932	1 X		3	156.2 X		10	0.82	51	2.5	13	6	15
379933	2 X		3	263.9	0.1	13	1.3	50	0.9	6	8	19
379934	2	0.2	5	296.2	0.2	9	1.92	123	0.6	6	9	17
379935	5	0.1	13	224.1	0.1	13	2.33	37	1.5	10	13	18
379936	6	0.2 X		142.1	0.2	5	0.52	75	0.5	2	24	48
379937	2 X		7	148.7	0.1	42	5.74	785	2.6	78	15	44
379938	1 X		2	1218.3 X		18	3.62	63	0.7	7	32	24
379939	2 X		1	236	0.1	17	2.6	93	2.3	12	5	22
379940	5 X		2	216.6	0.1	15	2.43	93	0.9	9	8	19
379941	6 X		3	185.3 X		13	2.75	82	1.7	13	6	26
379942	2 X		3	159.6	0.1	11	3.48	66	1	8	6	27
379943	2 X		3	151	0.1	13	3	69	1.9	17	6	19
379944	2 X		2	95.4	0.1	10	1.09	93	0.8	4	6	13
379945	5 X		1	67.9	0.1	12	0.87	75	3.2	18	3	7

379946	5	0.2 X		54.8 X		9	0.73	82	0.6	3	4	7
379947	7 X	X		61.2 X		13	0.81	65	2.9	19	4	7
379948	4	0.2 X		63.1 X		9	0.72	59	0.4	3	4	7
379949	3 X	X		57.1 X		18	1.28	141	4.8	30	7	9
379950	5 X	X		40.6 X		9	0.95	204	0.5	4	5	9
379951	5 X	X		35.2 X		11	0.85	72	3.1	19	3	6
CHECKS												
379701	2	0.2 X		35.4 X		10	1.36	61	1	11	8	6
379727	2 X	X		21.3 X		13	1.45	96	1.5	19	3	6
379753	6 X		62	2159.1 X		36	4.92	361	1.7	57	14	34
379779	3	0.2	39	332.9 X		22	5.88	89	2.1	27	209	51
379805	1 X	X		109.5 X		8	0.8	48	0.5	5	5	21
379831	6 X		2	118.2 X		10	0.76	50	1.9	13	5	10
379857	2 X		3	221 X		4	1.65	25	1.1	10	8	16
379883	6 X		6	232.2	0.1	8	2.06	65	0.9	11	11	19
379909 X	X		1	174.7 X		11	1.57	121	0.8	9	7	20
379935	8 X		12	214.4 X		12	2.21	35	1.4	10	13	16
STANDARDS												
OREAS 5P	97											
TKCLOW-2		6	161	317	1.4	295	17.7	970	39.8	527	206	284
OxE56	622											
WMG-1		3.7	6	113.6	1	5897	12.28	1078	1	2728	12	108
MPL-1		17.3	827	156.6	5.3	1814	6.48	1966	57.3	1738	1665	1177
OxG60	1045											
OREAS 45P		0.3	13	281	0.1	763	20.73	1284	2	406	22	141
OREAS 5P	98											
OxE56	612											
SARM1	X		17	121.6	0.2	11	1.5	128	2.9	2	40	58
OxG60	1035											
SARM4	X		1	89.7	0.2	7	6.69	1303	1	124	4	55
OREAS 5P	97											
SY-4	X		1	364.9	0.2	4	4.63	877	0.2	11	12	98
OxE56	613											
TKCLOW-2		6.1	168	322.1	1.3	306	17.72	945	38.2	525	203	286

OxG60	1035											
WMG-1		3	6	112.2	1	6148	13.01	1129	1	2668	12	90
MPL-1		15.8	811	150.6	5.3	1742	6.52	1909	54.7	1649	1582	1130
OREAS 5F	99											
BLANKS												
Control Bla X	X	X	X	X		1 X	X	X		3 X		5
Control Bla X	X	X		0.1 X		2 X	X	X	X	X		5
Control Blank	X	X	X	X		2 X		1 X	X	X		3
Acid Blank	X	X	X	X		2 X	X	X	X	X		2