ORNL/M-493

Research Pool

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STABLE ISOTOPE
RESEARCH POOL INVENTORY

February 1988

Office of Energy Research
Division of Chemical Sciences
U. S. Department of Energy

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MASTER

ISOTOPE	SAMPLE	ENRICHMENT	AMOUNT (MG)
ANTIMONY 121	164502	99.57	38436.00
ANTIMONY 121	164541	99.57	10.00
ANTIMONY 123	164601	99.05	42123.00
ANTIMONY 123	164640	99.05	130.00

ISOTOPE	SAMPLE	ENRICHMENT	AMOUNT (MG)
BARIUM 132	174787	21.66	988.00
BARIUM 134	174885	73.53	13754.00
BARIUM 135	116360	92.90	1476.00
BARIUM 135	116390	92.77	10857.00
BARIUM 135	142890	93.38	7441.00
BARIUM 135	174901	78.82	25.00
BARIUM 135	174987	78.82	9857.00
BARIUM 135	174990	79.04	29890.00
BARIUM 136	116401	92.50	3907.00
BARIUM 136	116426	92.65	577.00
BARIUM 136	116485	92.92	6816.00
BARIUM 136	142940	92.90	50.00
BARIUM 136	142985	92.90	81.00
BARIUM 137	116501	81.90	34149.00
BARIUM 137	143001	89.60	16368.00
BARIUM 137	143040	98.60	190.00
BARIUM 138	92026	97.16	95163.00
BARIUM 138	143101	99.67	91614.00
BARIUM 138	143140	99.80	909.00
BARIUM 138	143141	99.67	5230.00

ISOTOPE	SAMPLE	ENRICHMENT	AMOUNT (MG)
BORON 10	98730	99.00	529.00
BORON 10	175801	99.89	7860.00
BORON 11	172901	99.81	460.00

ISOTOPE	SAMPLE	ENRICHMENT	AMOUNT (MG)
BROMINE 79	139101	99.75	1931.00
BROMINE 79	139102	99.63	16296.00
BROMINE 79	178001	98.61	166743.00
BROMINE 81	139201	99.62	5320.00
BROMINE 81	139202	99.32	11842.00
BROMINE 81	178101	97.81	145374.00
BROMINE 81	220801	98.75	3000.00

ISOTOPE	SAMPLE	ENRICHMENT	AMOUNT (MG)
CADMIUM 106	122680	83.02	40.00
CADMIUM 106	155201	88.40	2145.00
CADMIUM 106	155202	82.09	32.00
CADMIUM 106	155240	88.40	109.00
CADMIUM 106	155281	88.40	49.00
CADMIUM 106	180901	80.82	5273.00
CADMIUM 106	190201	80.22	25594.00
CADMIUM 106	190280	80.22	30.00
CADMIUM 108	181060	73.85	3998.00
CADMIUM 108	190301	69.76	23163.00
CADMIUM 108	190340	69.76	125.00
CADMIUM 110	141540	97.20	188.00
CADMIUM 110	144140	96.10	48.00
CADMIUM 110	155401	96.68	43735.00
CADMIUM 110	174071	97.15	11988.00
CADMIUM 110	174080	97.15	25164.00
CADMIUM 110	213201	93.63	12000.00
CADMIUM 111	141640	96.50	2354.00
CADMIUM 111	141690	96.44	4712.00
CADMIUM 111	155560	95.97	1910.00
CADMIUM 111	155590	96.05	36908.00
CADMIUM 111	174170	95.96	12025.00
CADMIUM 111	174181	95.96	29590.00
CADMIUM 111	213301	92.11	5036.00
CADMIUM 112	141740	98.50	771.00
CADMIUM 112	155601	98.15	45070.00
CADMIUM 112	174280	98.36	1140.00
CADMIUM 112	181380	97.98	1042.00
CADMIUM 112	190601	97.05	11457.00
CADMIUM 112	190641	97.05	9500.00
CADMIUM 112	190680	97.05	821.00
CADMIUM 112	190681	97.05	13300.00
CADMIUM 112	190685	97.05	9500.00
CADMIUM 113	155740	95.05	116.00
CADMIUM 113	174340	96.30	143.00
CADMIUM 113	174380	96.30	22.00
CADMIUM 113	181480	94.58	42886.00
CADMIUM 113	181481	95.10	20066.00
CADMIUM 113	181490	95.10	4806.00
CADMIUM 113	213501	91.67	13923.00
CADMIUM 114	155802	99.22	297.00
CADMIUM 114	155881	98.57	950.00
CADMIUM 114	174480	99.18	15181.00
CADMIUM 114	181501	98.80	1650.00

ISOTOPE	SAMPLE	ENRICHMENT	AMOUNT (MG)
CADMIUM 114	181580	98.80	21.00
CADMIUM 114	190801	98.55	47932.00
CADMIUM 114	190840	98.55	149.00
CADMIUM 114	190841	98.55	736.00
CADMIUM 114	190880	98.55	321.00
CADMIUM 114	190881	98.55	7600.00
CADMIUM 114	190885	98.55	1425.00
CADMIUM 116	142040	97.20	31.00
CADMIUM 116	142080	97.20	350.00
CADMIUM 116	155970	97.22	4120.00
CADMIUM 116	155980	97.22	51.00
CADMIUM 116	155990	96.85	13966.00
CADMIUM 116	174501	98.07	235.00
CADMIUM 116	174540	98.07	23.00
CADMIUM 116	174580	98.07	11998.00
CADMIUM 116	213702	93.88	10076.00

ISOTOPE	SAMPLE	ENRICHMENT	AMOUNT (MG)
CALCIUM 40	61301	99.98	134.00
CALCIUM 40	85501	99.87	189302.00
CALCIUM 40	98540	99.99	85.00
CALCIUM 40	107701	99.97	2398.00
CALCIUM 40	118702	99.96	64023.00
CALCIUM 40	118741	99.97	2060.00
CALCIUM 40	118742	99.96	6790.00
CALCIUM 40	118770	99.97	10975.00
CALCIUM 40	118771	99.97	8892.00
CALCIUM 40	139501	99.99	62988.00
CALCIUM 40	139502	99.98	222353.00
CALCIUM 42	132801	94.54	998.00
CALCIUM 42	136240	93.70	1711.00
CALCIUM 42	139626	93.65	8095.00
CALCIUM 42	139640	94.42	80.00
CALCIUM 42	139690	94.42	2353.00
CALCIUM 42	147701	93.65	520.00
CALCIUM 42	147726	93.71	50170.00
CALCIUM 42	147740	93.71	3856.00
CALCIUM 42	147790	93.19	3032.00
CALCIUM 42	192501	93.77	720.00
CALCIUM 43	6701	74.00	53.00
CALCIUM 43	6790	74.00	168.00
CALCIUM 43	132901	70.54	3090.00
CALCIUM 43	136326	61.63	1952.00
CALCIUM 43	136340	61.63	50.00
CALCIUM 43	139701	81.12	7479.00
CALCIUM 43	169101	83.73	7629.00
CALCIUM 43	192601	79.98	730.00
CALCIUM 43	192640	79.98	7.00
CALCIUM 44	6890	98.56	16.00
CALCIUM 44	119001	95.35	9590.00
CALCIUM 44	133001	98.55	292.00
CALCIUM 44	133040	98.55	240.00
CALCIUM 44	136401	98.60	9922.00
CALCIUM 44	136490	98.60	355.00
CALCIUM 44	139826	98.44	85233.00
CALCIUM 44	139891	98.44	10884.00
CALCIUM 44	147926	98.59	112652.00
CALCIUM 44	192701	98.78	365.00
CALCIUM 44	192740	98.78	278.00
CALCIUM 44	205140	98.68	9.00
CALCIUM 44	219601	98.57	600.00
CALCIUM 46	136503	31.70	20.00
CALCIUM 46	136504	32.10	70.00

ISOTOPE	SAMPLE	ENRICHMENT	AMOUNT (MG)
CALCIUM 46	201502	27.90	66.00
CALCIUM 46	210601	38.31	63.00
CALCIUM 48	140090	95.99	5325.00
CALCIUM 48	140091	95.69	3984.00
CALCIUM 48	163001	97.73	143.00
CALCIUM 48	169401	96.78	35.00
CALCIUM 48	192926	97.27	2002.00
CALCIUM 48	192940	97.27	575.00
CALCIUM 48	201601	97.47	392.00
CALCIUM 48	205340	97.53	3.00
CALCIUM 48	205341	97.69	307.00
CALCIUM 48	205390	97.19	220.00
CALCIUM 48	210701	97.69	810.00
CALCIUM 48	210730	73.30	24.00
CALCIUM 48	210740	97.69	360.00
CALCIUM 48	900240	90.81	1122.00
CALCIUM 48	900292	90.47	328.00
CALCIUM 48	900293	91.04	6300.00
CALCIUM 48	900294	91.27	1106.00
CALCIUM 48	900295	90.69	1458.00

ISOTOPE	SAMPLE	ENRICHMENT	AMOUNT (MG)
CERIUM 136	177202	34.81	597.00
CERIUM 136	177203	21.70	4928.00
CERIUM 138	155601	14.32	14521.00
CERIUM 138	177301	26.00	2050.00
CERIUM 138	177302	17.61	2785.00
CERIUM 140	156701	99.70	387652.00
CERIUM 140	156740	99.70	7410.00
CERIUM 140	156770	99.70	10144.00
CERIUM 140	156790	99.79	192.00
CERIUM 140	156791	99.40	82711.00
CERIUM 140	177401	99.84	18394.00
CERIUM 142	156801	92.77	87324.00
CERIUM 142	177501	92.11	57146.00
CERIUM 142	177540	92.11	1950.00

ISOTOPE	SAMPLE	ENRICHMENT	AMOUNT (MG)
CHLORINE 35	125402	99.73	13101.00
CHLORINE 35	150301	99.90	22203.00
CHLORINE 35	160403	99.10	76123.00
CHLORINE 35	160440	99.32	184.00
CHLORINE 35	198401	99.35	20000.00
CHLORINE 37	160502	90.36	12858.00
CHLORINE 37	160541	90.36	178.00
CHLORINE 37	198501	98.21	903.00
CHLORINE 37	198502	95.20	16903.00
CHLORINE 37	198590	98.21	9260.00

ISOTOPE	SAMPLE	ENRICHMENT	AMOUNT (MG)
CHROMIUM 50	83680	92.86	26.00
CHROMIUM 50	103380	90.40	51.00
CHROMIUM 50	103390	90.12	381.00
CHROMIUM 50	144901	95.90	29820.00
CHROMIUM 50	144940	95.90	4406.00
CHROMIUM 50	176801	96.80	1999.00
CHROMIUM 50	176830	88.05	131.00
CHROMIUM 50	176840	96.80	419.00
CHROMIUM 50	176891	96.75	530.00
CHROMIUM 50	204401	96.40	17021.00
CHROMIUM 50	216201	97.65	250.00
CHROMIUM 52	83701	99.74	47332.00
CHROMIUM 52	145001	99.87	50765.00
CHROMIUM 52	145002	99.83	199427.00
CHROMIUM 52	145040	99.87	3157.00
CHROMIUM 52	145041	99.87	90.00
CHROMIUM 52	145090	99.84	28715.00
CHROMIUM 52	204501	99.90	3992.00
CHROMIUM 53	103526	95.56	38434.00
CHROMIUM 53	103540	95.30	86.00
CHROMIUM 53	103590	95.74	2067.00
CHROMIUM 53	145101	96.40	90070.00
CHROMIUM 53	145140	96.40	2963.00
CHROMIUM 53	204601	96.98	1126.00
CHROMIUM 54	87180	94.35	6.00
CHROMIUM 54	103640	90.60	2515.00
CHROMIUM 54	145201	94.10	21104.00
CHROMIUM 54	145280	94.10	25.00
CHROMIUM 54	177101	95.40	13644.00
CHROMIUM 54	177126	82.46	4683.00
CHROMIUM 54	204701	94.13	7460.00
CHROMIUM 54	216501	96.78	2500.00

ISOTOPE	SAMPLE	ENRICHMENT	AMOUNT (MG)
COPPER 63	106426	99.67	6952.00
COPPER 63	138902	99.88	132825.00
COPPER 63	138903	99.73	83766.00
COPPER 63	138940	99.88	386.00
COPPER 63	138970	99.86	52000.00
COPPER 63	138971	99.86	26001.00
COPPER 63	138972	99.88	63794.00
COPPER 63	138973	99.79	81640.00
COPPER 63	138980	99.43	58561.00
COPPER 63	138981	99.88	18780.00
COPPER 63	165601	99.89	32948.00
COPPER 63	165640	99.89	1323.00
COPPER 65	139026	99.70	65.00
COPPER 65	139040	99.70	5100.00
COPPER 65	139070	99.70	50503.00
COPPER 65	139086	99.70	55832.00
COPPER 65	139090	99.47	7269.00
COPPER 65	139091	99.62	56479.00
COPPER 65	165701	99.69	126700.00
COPPER 65	165740	99.69	513.00
COPPER 65	165770	99.58	84222.00

ISOTOPE	SAMPLE	ENRICHMENT	AMOUNT (MG)
DYSPROSIUM 156	121901	20.90	336.00
DYSPROSIUM 156	171102	21.59	736.00
DYSPROSIUM 158	122001	23.78	235.00
DYSPROSIUM 158	122090	23.85	366.00
DYSPROSIUM 158	171202	32.80	117.00
DYSPROSIUM 158	171203	20.80	1737.00
DYSPROSIUM 160	171303	69.49	13000.00
DYSPROSIUM 160	171340	78.93	50.00
DYSPROSIUM 161	171401	95.94	77515.00
DYSPROSIUM 161	171402	90.41	18151.00
DYSPROSIUM 161	171440	95.94	2060.00
DYSPROSIUM 162	171501	96.26	100260.00
DYSPROSIUM 162	171502	92.39	50923.00
DYSPROSIUM 162	171540	96.26	1220.00
DYSPROSIUM 163	171601	96.85	58039.00
DYSPROSIUM 163	171641	96.85	392.00
DYSPROSIUM 163	171690	92.98	76129.00
DYSPROSIUM 164	122501	92.71	514.00
DYSPROSIUM 164	171701	98.43	21149.00
DYSPROSIUM 164	171702	95.68	119730.00
DYSPROSIUM 164	171740	98.43	802.00

ISOTOPE	SAMPLE	ENRICHMENT	AMOUNT (MG)
ERBIUM 162	137101	20.40	3515.00
ERBIUM 162	173101	34.31	524.00
ERBIUM 162	173102	27.33	2430.00
ERBIUM 164	137201	62.70	14964.00
ERBIUM 164	137291	62.75	868.00
ERBIUM 164	173201	73.60	2914.00
ERBIUM 164	173202	67.19	10856.90
ERBIUM 164	173240	73.60	417.00
ERBIUM 166	140801	99.97	497.00
ERBIUM 166	140840	99.97	677.00
ERBIUM 166	173301	96.24	158568.00
ERBIUM 166	173340	96.24	406.00
ERBIUM 166	902001	99.92	15.00
ERBIUM 167	173401	91.54	105127.00
ERBIUM 167	173440	91.54	1440.00
ERBIUM 168	140901	99.98	1194.00
ERBIUM 168	173501	97.69	39015.00
ERBIUM 168	173502	95.17	205073.00
ERBIUM 168	173540	95.47	367.00
ERBIUM 170	104440	96.06	215.00
ERBIUM 170	137601	96.06	81530.00
ERBIUM 170	137690	95.88	4801.00
ERBIUM 170	173601	96.89	75494.00
ERBIUM 170	173640	96.89	53.00

ISOTOPE	SAMPLE	ENRICHMENT	AMOUNT (MG)
EUROPIUM 151	92601	91.90	8159.00
EUROPIUM 151	151801	96.83	36123.00
EUROPIUM 151	151830	93.41	5894.00
EUROPIUM 151	151840	96.83	4170.00
EUROPIUM 151	151861	96.83	11000.00
EUROPIUM 151	151891	96.79	9917.00
EUROPIUM 153	92701	94.85	6761.00
EUROPIUM 153	151901	98.76	39898.00
EUROPIUM 153	151940	98.76	4930.00
EUROPIUM 153	151960	98.76	87481.00
EUROPIUM 153	151990	98.79	9693.00

ISOTOPE	SAMPLE	ENRICHMENT	AMOUNT (MG)
GADOLINIUM 152	160603	42.77	347.00
GADOLINIUM 152	160604	32.23	2785.00
GADOLINIUM 152	160640	42.77	46.00
GADOLINIUM 152	181701	41.20	5.00
GADOLINIUM 154	160702	66.53	30235.00
GADOLINIUM 154	160740	66.53	140.00
GADOLINIUM 154	180102	98.27	52.00
H P GADOLINIUM 154	180140	92.29	130.00
GADOLINIUM 155	109301	94.40	1760.00
GADOLINIUM 155	160801	91.77	35477.00
GADOLINIUM 155	160840	91.77	460.00
GADOLINIUM 155	160890	91.61	230.00
GADOLINIUM 155	181901	90.53	17117.00
GADOLINIUM 155	181902	84.39	25757.00
GADOLINIUM 155	182401	99.82	1615.00
GADOLINIUM 155	182440	99.82	122.00
H P GADOLINIUM 155	182440	99.82	122.00
GADOLINIUM 156	109401	97.01	6.00
GADOLINIUM 156	109402	95.25	35.00
GADOLINIUM 156	109460	95.25	9967.00
GADOLINIUM 156	128902	82.10	221.00
GADOLINIUM 156	133601	99.82	716.00
GADOLINIUM 156	160901	93.58	112518.00
GADOLINIUM 156	160940	93.58	546.00
GADOLINIUM 157	109501	93.70	6591.00
GADOLINIUM 157	161001	88.63	97770.00
GADOLINIUM 157	161040	88.63	130.00
GADOLINIUM 157	182101	90.96	13694.00
GADOLINIUM 157	182102	87.43	44867.00
GADOLINIUM 157	182140	90.96	4969.00
H P GADOLINIUM 157	182540	99.70	172.00
GADOLINIUM 158	80301	92.50	3020.00
GADOLINIUM 158	109690	97.58	915.00
GADOLINIUM 158	129101	92.00	9631.00
GADOLINIUM 158	129102	81.00	1749.00
GADOLINIUM 158	129140	92.00	2490.00
GADOLINIUM 158	161101	95.81	160904.00
GADOLINIUM 158	161140	95.81	1116.00
GADOLINIUM 160	109701	98.71	32.00
GADOLINIUM 160	161201	97.86	36580.00
GADOLINIUM 160	161204	95.95	40790.00

ISOTOPE	SAMPLE	ENRICHMENT	AMOUNT (MG)
GADOLINIUM 160	161240	95.85	160.00
GADOLINIUM 160	161241	97.86	735.00
GADOLINIUM 160	182301	98.10	40114.00
GADOLINIUM 160	182340	98.10	980.00

ISOTOPE	SAMPLE	ENRICHMENT	AMOUNT (MG)
GALLIUM 69	121201	99.83	18030.00
GALLIUM 69	121270	99.77	4740.00
GALLIUM 69	149501	99.75	16628.00
GALLIUM 69	182601	99.46	27017.00
GALLIUM 71	121301	99.80	231.00
GALLIUM 71	149601	99.61	4393.00
GALLIUM 71	149670	99.61	5885.00
GALLIUM 71	182701	99.26	57065.00

ISOTOPE	SAMPLE	ENRICHMENT	AMOUNT (MG)
GERMANIUM 70	156003	84.62	71979.00
GERMANIUM 70	156040	84.62	792.00
GERMANIUM 70	198601	98.45	17898.00
GERMANIUM 70	198640	98.45	106.00
GERMANIUM 70	215301	96.75	1101.00
GERMANIUM 72	93901	96.23	568.00
GERMANIUM 72	93940	96.23	490.00
GERMANIUM 72	113601	96.40	295.00
GERMANIUM 72	156101	98.71	4859.00
GERMANIUM 72	156102	97.86	8855.00
GERMANIUM 72	156103	90.88	240165.00
GERMANIUM 72	198701	97.85	52029.00
GERMANIUM 72	198740	97.85	38.00
GERMANIUM 72	215402	95.47	287.00
GERMANIUM 73	198801	94.50	11022.00
GERMANIUM 74	94180	97.70	1885.00
GERMANIUM 74	156301	98.44	4385.00
GERMANIUM 74	198901	98.90	52965.00
GERMANIUM 74	215601	98.10	7720.00
GERMANIUM 74	215602	95.14	5280.00
GERMANIUM 76	199001	92.82	8968.00

ISOTOPE	SAMPLE	ENRICHMENT	AMOUNT (MG)
HAFNIUM 174	132101	12.08	801.00
HAFNIUM 174	158701	21.47	235.00
HAFNIUM 174	158702	6.67	939.00
HAFNIUM 174	183201	19.01	72.00
HAFNIUM 174	183202	7.87	574.00
HAFNIUM 176	132201	68.70	8809.00
HAFNIUM 176	158801	77.49	43.00
HAFNIUM 176	158890	76.96	3115.00
HAFNIUM 176	183301	72.17	1146.00
HAFNIUM 176	183302	63.88	1932.00
HAFNIUM 176	183340	64.02	1640.00
HAFNIUM 176	183390	64.09	3653.00
HAFNIUM 177	132301	84.52	58.00
HAFNIUM 177	158901	91.67	493.00
HAFNIUM 177	158940	91.67	2220.00
HAFNIUM 177	158990	91.29	1850.00
HAFNIUM 177	158991	91.33	7576.00
HAFNIUM 177	183401	86.49	5537.00
HAFNIUM 177	183440	86.49	51578.00
HAFNIUM 177	183490	86.49	4381.00
HAFNIUM 178	132401	89.14	65400.00
HAFNIUM 178	132460	89.00	14365.00
HAFNIUM 178	132480	89.14	189.00
HAFNIUM 178	159001	94.72	156.00
HAFNIUM 178	159040	94.72	268.00
HAFNIUM 178	159081	94.72	4402.00
HAFNIUM 178	159090	94.59	7053.00
HAFNIUM 178	159091	94.41	1610.00
HAFNIUM 178	159092	94.72	6642.00
HAFNIUM 178	183540	91.94	975.00
HAFNIUM 179	159101	86.98	3412.00
HAFNIUM 179	159140	86.98	1226.00
HAFNIUM 179	183601	81.85	6751.00
HAFNIUM 179	183640	81.85	40558.00
HAFNIUM 179	183690	81.78	57.00
HAFNIUM 180	132601	93.89	28583.00
HAFNIUM 180	132690	93.89	6614.00
HAFNIUM 180	132691	93.89	19937.00
HAFNIUM 180	159201	98.21	1463.00
HAFNIUM 180	159290	98.28	7943.00
HAFNIUM 180	159291	97.91	1279.00
HAFNIUM 180	183740	93.86	35670.00

ISOTOPE	SAMPLE	ENRICHMENT	AMOUNT (MG)
INDIUM 113	115801	96.26	2404.00
INDIUM 113	115870	96.36	61.00
INDIUM 115	35501	99.90	14440.00
INDIUM 115	59526	99.94	66212.00
INDIUM 115	115901	99.99	144454.00
INDIUM 115	115940	99.99	114.00
INDIUM 115	115941	99.99	485.00

ISOTOPE	SAMPLE	ENRICHMENT	AMOUNT (MG)
IRIDIUM 191	188601	98.17	40984.00
IRIDIUM 191	188690	98.14	9743.00
IRIDIUM 191	212301	96.19	2070.00
IRIDIUM 193	188701	99.45	88561.00
IRIDIUM 193	212401	99.33	6341.00
IRIDIUM 193	212402	98.20	5098.00

ISOTOPE	SAMPLE	ENRICHMENT	AMOUNT (MG)
IRON 54	137741	97.08	21.00
IRON 54	137780	97.08	5899.00
IRON 54	154826	97.12	166233.00
IRON 54	154890	95.49	7083.00
IRON 54	166626	97.69	139040.00
IRON 54	166641	97.61	2059.00
IRON 54	166670	97.61	7133.00
IRON 54	166691	97.62	2805.00
IRON 54	177641	97.20	149.00
IRON 54	200290	96.93	70320.00
IRON 54	215801	97.20	1817.00
IRON 56	154901	99.93	134931.00
IRON 56	154902	99.85	751308.00
IRON 56	154940	99.93	5732.00
IRON 56	154941	99.93	211.00
IRON 56	154980	99.93	19016.00
IRON 56	177701	99.87	250.00
IRON 56	85201	99.70	12723.00
IRON 56	85280	99.70	2048.00
IRON 57	119580	90.86	97.00
IRON 57	137940	92.80	142.00
IRON 57	155092	93.55	6983.00
IRON 57	155093	92.86	2449.00
IRON 57	166802	90.42	26270.00
IRON 57	166891	92.86	19535.00
IRON 57	177826	87.64	233118.00
IRON 57	177890	82.19	4764.00
IRON 57	177892	80.97	15268.00
IRON 57	200402	86.06	4595.00
IRON 57	200440	90.24	120.00
IRON 57	216001	93.31	20.00
IRON 58	155170	89.12	3115.00
IRON 58	155180	82.12	1774.00
IRON 58	155190	81.96	77.00
IRON 58	166901	82.48	1928.00
IRON 58	166940	82.48	29.00
IRON 58	177901	73.26	13895.00
IRON 58	177902	65.09	12849.00
IRON 58	177904	65.05	1959.00
IRON 58	200501	76.54	2822.00
IRON 58	216101	84.58	57.00

ISOTOPE	SAMPLE	ENRICHMENT	AMOUNT (MG)
LANTHANUM 138	134701	6.75	1666.00
LANTHANUM 138	901202	7.03	75.00
LANTHANUM 139	82401	99.99	24614.00

ISOTOPE	SAMPLE	ENRICHMENT	AMOUNT (MG)
LEAD 204	116701	73.80	1949.00
LEAD 204	116740	73.80	1200.00
LEAD 204	116791	73.54	2446.00
LEAD 204	142180	73.30	323.00
LEAD 204	162170	71.41	96791.00
LEAD 204	162180	71.41	1316.00
LEAD 204	162185	70.94	341.00
LEAD 204	165501	99.73	1208.00
LEAD 204	165530	94.29	5.00
LEAD 204	165541	99.73	1670.00
LEAD 204	165590	99.73	9546.00
LEAD 204	165591	99.73	1378.00
LEAD 204	206901	69.29	173.00
LEAD 206	118602	99.77	14654.00
LEAD 206	118641	99.77	2263.00
LEAD 206	118670	99.80	47081.00
LEAD 206	118671	99.38	84749.00
LEAD 206	118692	99.46	377.00
LEAD 206	118693	99.80	1383.00
LEAD 206	121140	99.97	42.00
LEAD 206	176001	99.98	1987.00
LEAD 206	176090	99.95	8914.00
LEAD 206	207001	99.66	25391.00
LEAD 207	116971	92.77	163681.00
LEAD 207	116972	92.78	87894.00
LEAD 207	116981	92.77	1612.00
LEAD 207	116982	92.78	41064.00
LEAD 207	116990	92.85	47780.00
LEAD 207	142301	92.40	93015.00
LEAD 207	142371	92.40	246164.00
LEAD 207	142372	84.83	97884.00
LEAD 207	142380	92.40	1148.00
LEAD 207	142390	92.31	14269.00
LEAD 207	142391	94.20	1125.00
LEAD 207	207102	91.62	12191.00
LEAD 207	207140	91.62	837.00
LEAD 208	118526	99.75	116328.00
LEAD 208	118570	99.75	67094.00
LEAD 208	118571	99.75	27570.00
LEAD 208	118575	99.75	13290.00
LEAD 208	118580	99.75	160.00
LEAD 208	162402	99.14	209620.00
LEAD 208	162403	98.69	448567.00
LEAD 208	162441	98.69	147.00
LEAD 208	162470	99.14	40710.00
LEAD 208	162471	99.06	45654.00
LEAD 208	162473	98.69	57602.00

ISOTOPE	SAMPLE	ENRICHMENT	AMOUNT (MG)
LEAD 208	162474	98.69	61897.00
LEAD 208	162490	98.69	69388.00
LEAD 208	162491	98.69	79636.00
LEAD 208	162492	98.69	241376.00
LEAD 208	162493	99.14	46415.00
LEAD 208	207201	99.86	3373.00
LEAD 208	207202	98.35	191115.00
LEAD 208	207241	99.86	440.00

ISOTOPE	SAMPLE	ENRICHMENT	AMOUNT (MG)
LITHIUM 6	88501	99.99	11734.00
LITHIUM 7	88801	99.99	10089.00

ISOTOPE	SAMPLE	ENRICHMENT	AMOUNT (MG)
LUTETIUM 175	108340	99.87	404.00
LUTETIUM 175	129301	99.92	161528.00
LUTETIUM 175	129340	99.92	7200.00
LUTETIUM 175	129370	99.92	10840.00
LUTETIUM 175	218901	99.88	20028.00
LUTETIUM 176	129491	72.46	782.00

ISOTOPE	SAMPLE	ENRICHMENT	AMOUNT (MG)
MAGNESIUM 24	108826	99.94	10732.00
MAGNESIUM 24	146726	99.90	6226.00
MAGNESIUM 24	158401	99.92	87580.00
MAGNESIUM 24	158440	99.92	903.00
MAGNESIUM 24	158490	99.92	13940.00
MAGNESIUM 24	158491	99.90	85398.00
MAGNESIUM 24	217101	99.92	551.00
MAGNESIUM 25	125701	99.49	1700.00
MAGNESIUM 25	125740	99.49	292.00
MAGNESIUM 25	146840	99.21	306.00
MAGNESIUM 25	146890	99.21	36.00
MAGNESIUM 25	158501	97.87	20350.00
MAGNESIUM 25	158540	97.87	925.00
MAGNESIUM 25	172601	98.25	38436.00
MAGNESIUM 25	172640	98.25	2401.00
MAGNESIUM 25	172660	98.25	29963.00
MAGNESIUM 26	158602	99.70	7871.00
MAGNESIUM 26	158640	99.70	666.00
MAGNESIUM 26	172702	98.79	1885.00
MAGNESIUM 26	172740	99.42	15.00
MAGNESIUM 26	172770	99.46	20303.00
MAGNESIUM 26	172771	99.46	61086.00
MAGNESIUM 26	172790	99.46	443.00
MAGNESIUM 26	217301	99.55	5318.00

ISOTOPE	SAMPLE	ENRICHMENT	AMOUNT (MG)
MERCURY 196	168201	73.16	117.00
MERCURY 196	184702	25.18	1123.00
MERCURY 196	184703	19.28	394.00
MERCURY 196	184704	13.94	259.00
MERCURY 196	197701	20.99	234.00
MERCURY 196	203202	31.84	87.00
MERCURY 198	180302	82.12	3441.00
MERCURY 198	180340	92.69	583.00
MERCURY 198	180390	92.78	237.00
MERCURY 198	209601	85.30	327.00
MERCURY 199	168490	91.95	2120.00
MERCURY 199	203402	85.34	15165.00
MERCURY 200	185001	95.74	8865.00
MERCURY 200	185002	93.33	11567.00
MERCURY 200	185003	88.07	1973.00
MERCURY 200	209801	91.98	153.00
MERCURY 201	168601	81.53	3314.00
MERCURY 201	176501	95.56	2128.00
MERCURY 201	176502	92.34	5602.00
MERCURY 201	176506	98.11	444.00
MERCURY 201	180601	96.45	2973.00
MERCURY 201	180602	93.08	2031.00
MERCURY 201	185101	92.02	3494.00
MERCURY 201	185190	82.94	25626.00
MERCURY 201	209902	82.94	122.00
MERCURY 202	153703	97.58	2346.00
MERCURY 202	198201	96.32	2000.00
MERCURY 204	153807	84.03	138.00
MERCURY 204	153809	92.64	114.00
MERCURY 204	210101	98.20	1572.00
MERCURY 204	210102	89.95	31.00
MERCURY 204	210103	83.22	262.00

ISOTOPE	SAMPLE	ENRICHMENT	AMOUNT (MG)
MOLYBDENUM 92	159301	98.27	22.00
MOLYBDENUM 92	159302	97.37	126088.00
MOLYBDENUM 92	159340	98.27	812.00
MOLYBDENUM 92	159341	97.37	1730.00
MOLYBDENUM 92	159370	97.37	27542.00
MOLYBDENUM 92	159385	98.27	1193.00
MOLYBDENUM 94	134101	93.90	1414.00
MOLYBDENUM 94	134140	93.90	7415.00
MOLYBDENUM 94	134180	93.90	1202.00
MOLYBDENUM 94	134191	93.70	2987.00
MOLYBDENUM 94	159440	91.59	351.00
MOLYBDENUM 94	159470	92.03	62399.00
MOLYBDENUM 94	159490	91.59	115476.00
MOLYBDENUM 95	134240	96.80	3996.00
MOLYBDENUM 95	134280	96.80	786.00
MOLYBDENUM 95	159501	96.47	197863.00
MOLYBDENUM 96	134326	96.44	124411.00
MOLYBDENUM 96	134340	96.80	2116.00
MOLYBDENUM 96	134370	96.44	59633.00
MOLYBDENUM 96	134380	96.80	490.00
MOLYBDENUM 96	134390	96.80	722.00
MOLYBDENUM 96	159601	96.76	24354.00
MOLYBDENUM 96	159690	96.69	191534.00
MOLYBDENUM 96	187701	93.48	199582.00
MOLYBDENUM 97	134440	92.80	3763.00
MOLYBDENUM 97	134480	92.80	495.00
MOLYBDENUM 97	159701	94.25	48293.00
MOLYBDENUM 97	159790	92.44	44248.00
MOLYBDENUM 98	134501	98.30	8487.00
MOLYBDENUM 98	134570	98.30	66446.00
MOLYBDENUM 98	134590	98.38	30172.00
MOLYBDENUM 98	159840	98.78	1010.00
MOLYBDENUM 98	170385	97.63	19218.00
MOLYBDENUM 98	170390	97.27	4406.00
MOLYBDENUM 98	172340	97.01	4056.00
MOLYBDENUM 98	187905	96.87	75000.00
MOLYBDENUM 98	187940	97.18	10912.00
MOLYBDENUM 98	187989	96.90	103.00
MOLYBDENUM 100	134640	95.90	5612.00
MOLYBDENUM 100	134670	95.90	65590.00
MOLYBDENUM 100	134680	95.90	555.00
MOLYBDENUM 100	159901	97.42	3459.00
MOLYBDENUM 100	159940	97.27	69.00
MOLYBDENUM 100	159990	97.27	553.00

ISOTOPE	SAMPLE	ENRICHMENT	AMOUNT (MG)
MOLYBDENUM 100	159991	97.39	196170.00
MOLYBDENUM 100	170401	94.46	133636.00
MOLYBDENUM 100	170440	94.46	7311.00

ISOTOPE	SAMPLE	ENRICHMENT	AMOUNT (MG)
NEODYMIUM 142	135101	96.24	126187.00
NEODYMIUM 142	135190	96.10	14709.00
NEODYMIUM 142	161302	97.55	15817.00
NEODYMIUM 142	161360	97.55	39309.00
NEODYMIUM 142	179401	98.26	950.00
NEODYMIUM 142	179440	98.26	2494.00
NEODYMIUM 143	161401	91.06	19553.00
NEODYMIUM 143	161440	91.06	503.00
NEODYMIUM 143	161491	90.85	12607.00
NEODYMIUM 143	179501	91.68	113822.00
NEODYMIUM 143	179540	91.68	73.00
NEODYMIUM 144	161501	97.51	2805.00
NEODYMIUM 144	161502	97.51	48592.00
NEODYMIUM 144	161540	97.51	121.00
NEODYMIUM 144	179601	97.51	306.00
NEODYMIUM 144	179640	97.51	475.00
NEODYMIUM 145	112240	90.06	1000.00
NEODYMIUM 145	112241	90.57	265.00
NEODYMIUM 145	161601	91.82	25580.00
NEODYMIUM 145	161602	86.67	12257.00
NEODYMIUM 145	161690	91.58	1375.00
NEODYMIUM 145	179701	89.67	5332.00
NEODYMIUM 145	179740	89.67	62430.00
NEODYMIUM 145	179790	89.67	3991.00
NEODYMIUM 146	135501	94.50	82458.00
NEODYMIUM 146	161701	97.46	35800.00
NEODYMIUM 146	161740	97.46	325.00
NEODYMIUM 146	179801	97.63	10000.00
NEODYMIUM 148	135601	87.90	81.00
NEODYMIUM 148	161801	95.44	6255.00
NEODYMIUM 148	161802	93.31	566.00
NEODYMIUM 148	161841	95.44	360.00
NEODYMIUM 148	161890	93.11	1527.00
NEODYMIUM 148	179901	94.07	70237.00
NEODYMIUM 150	135701	92.50	45624.00
NEODYMIUM 150	161940	94.75	115.00
NEODYMIUM 150	161941	97.25	111.00
NEODYMIUM 150	180001	97.84	5616.00
NEODYMIUM 150	180002	96.13	27583.00
NEODYMIUM 150	180030	68.05	374.00
NEODYMIUM 150	180040	96.13	25.00
NEODYMIUM 150	180090	97.53	1188.00

ISOTOPE	SAMPLE	ENRICHMENT	AMOUNT (MG)
NICKEL 58	121426	99.83	171203.00
NICKEL 58	121440	99.83	450.00
NICKEL 58	121470	99.89	69476.00
NICKEL 58	121490	99.89	63648.00
NICKEL 58	129570	99.93	34496.00
NICKEL 58	129590	99.89	18779.00
NICKEL 58	175301	99.87	105348.00
NICKEL 58	175340	99.87	2765.00
NICKEL 58	175370	99.87	55542.00
NICKEL 58	203940	99.76	6592.00
NICKEL 58	220201	99.66	44.00
NICKEL 60	121501	99.81	22825.00
NICKEL 60	121526	99.68	59896.00
NICKEL 60	145801	99.79	137545.00
NICKEL 60	145826	99.72	441468.00
NICKEL 60	145840	99.79	1379.00
NICKEL 60	145841	99.72	1960.00
NICKEL 60	145871	99.79	53532.00
NICKEL 60	145873	99.79	17914.00
NICKEL 60	145891	99.79	8863.00
NICKEL 60	145892	99.63	119442.00
NICKEL 60	158090	99.59	57039.00
NICKEL 60	204001	99.07	123251.00
NICKEL 60	204040	99.07	6041.00
NICKEL 61	127890	99.44	3279.00
NICKEL 61	145901	92.11	23464.00
NICKEL 61	145940	92.11	48.00
NICKEL 61	158101	91.78	25304.00
NICKEL 61	175501	92.92	5.00
NICKEL 61	175502	90.40	3006.00
NICKEL 61	175540	92.92	80.00
NICKEL 61	175590	91.36	10841.00
NICKEL 61	175592	93.02	13326.00
NICKEL 61	195501	88.84	5419.00
NICKEL 61	199301	84.24	11970.00
NICKEL 61	204101	86.44	2052.00
NICKEL 61	220401	84.91	1206.00
NICKEL 62	146040	98.70	519.00
NICKEL 62	146093	98.83	80547.00
NICKEL 62	195690	98.07	6537.00
NICKEL 62	204240	96.64	858.00
NICKEL 62	204290	96.72	25064.00
NICKEL 62	220501	97.01	21.00
NICKEL 64	128040	99.70	1314.00
NICKEL 64	128090	99.70	2495.00
NICKEL 64	146190	98.02	1513.00

ISOTOPE	SAMPLE	ENRICHMENT	AMOUNT (MG)
NICKEL 64	158301	97.92	4948.00
NICKEL 64	158340	97.92	343.00
NICKEL 64	158370	97.92	207.00
NICKEL 64	175701	97.93	7792.00
NICKEL 64	175790	98.08	10804.00
NICKEL 64	195701	96.48	154.00
NICKEL 64	195702	92.41	1562.00
NICKEL 64	195740	96.48	161.00
NICKEL 64	199501	92.16	4824.00
NICKEL 64	204301	93.57	61.00
NICKEL 64	204340	93.57	210.00

ISOTOPE	SAMPLE	ENRICHMENT	AMOUNT (MG)
OSMIUM 184	189301	5.45	483.00
OSMIUM 186	117691	61.27	29.00
OSMIUM 186	189401	78.39	2902.00
OSMIUM 186	211101	68.80	21.00
OSMIUM 187	189501	70.38	2000.00
OSMIUM 188	189602	94.47	21438.00
OSMIUM 188	211301	86.66	18.00
OSMIUM 189	117901	87.30	2423.00
OSMIUM 189	189702	94.51	29728.00
OSMIUM 190	118026	95.98	564.00
OSMIUM 190	189870	97.80	38825.00
OSMIUM 190	189890	97.31	274.00
OSMIUM 190	211501	96.56	7040.00
OSMIUM 192	189902	99.06	68370.00
OSMIUM 192	189990	99.08	3578.00
OSMIUM 192	211601	99.40	1597.00

ISOTOPE	SAMPLE	ENRICHMENT	AMOUNT (MG)
PALLADIUM 102	191001	77.89	1918.00
PALLADIUM 102	213801	73.77	77.00
PALLADIUM 104	191140	95.25	200.00
PALLADIUM 104	191191	95.11	19014.00
PALLADIUM 104	213902	90.03	900.00
PALLADIUM 105	164990	94.12	6419.00
PALLADIUM 105	164991	94.28	2976.00
PALLADIUM 105	191201	97.38	27856.00
PALLADIUM 105	191230	90.53	3052.00
PALLADIUM 105	191270	97.27	7833.00
PALLADIUM 105	191290	97.32	5000.00
PALLADIUM 105	214001	96.58	2200.00
PALLADIUM 106	165001	96.66	1169.00
PALLADIUM 106	165040	96.66	335.00
PALLADIUM 106	165090	96.61	999.00
PALLADIUM 106	191301	98.48	53.00
PALLADIUM 106	191340	98.48	48.00
PALLADIUM 106	191371	98.48	20687.00
PALLADIUM 106	191390	98.51	24801.00
PALLADIUM 106	214102	96.18	329.00
PALLADIUM 108	165101	98.11	7347.00
PALLADIUM 108	165126	98.52	412.00
PALLADIUM 108	165140	98.35	33.00
PALLADIUM 108	191401	98.88	11972.00
PALLADIUM 108	191490	98.86	18279.00
PALLADIUM 108	191491	98.59	21884.00
PALLADIUM 108	214201	98.79	6174.00
PALLADIUM 110	191501	97.73	2414.00
PALLADIUM 110	191591	97.61	17282.00
PALLADIUM 110	214301	98.64	516.00

ISOTOPE	SAMPLE	ENRICHMENT	AMOUNT (MG)
PLATINUM 190	186001	4.19	159.00
PLATINUM 192	186190	56.97	804.00
PLATINUM 194	186202	97.41	41680.00
PLATINUM 194	186241	97.41	200.00
PLATINUM 194	211901	95.06	2291.00
PLATINUM 195	186301	97.28	46120.00
PLATINUM 195	186390	97.28	4995.00
PLATINUM 195	212001	94.91	4072.00
PLATINUM 195	212040	94.91	587.00
PLATINUM 196	186401	97.51	29443.00
PLATINUM 196	186440	97.51	28.00
PLATINUM 196	212101	96.54	248.00
PLATINUM 196	212140	96.54	76.00
PLATINUM 198	186501	95.83	4608.00

ISOTOPE	SAMPLE	ENRICHMENT	AMOUNT (MG)
POTASSIUM 39	62107	99.96	18002.00
POTASSIUM 39	107440	99.97	400.00
POTASSIUM 39	123902	99.92	3602.00
POTASSIUM 39	148201	99.96	35141.00
POTASSIUM 39	148240	99.96	770.00
POTASSIUM 41	149401	99.18	9741.00
POTASSIUM 41	149440	99.18	85.00
POTASSIUM 41	149481	99.18	5.00
POTASSIUM 41	149490	99.17	29861.00

ISOTOPE	SAMPLE	ENRICHMENT	AMOUNT (MG)
RHENIUM 185	96501	96.80	1081.00
RHENIUM 185	134901	96.66	14502.00
RHENIUM 185	178201	96.25	57921.00
RHENIUM 187	96601	98.80	1608.00
RHENIUM 187	135001	99.22	22324.00
RHENIUM 187	178301	99.22	67805.00
RHENIUM 187	178302	96.91	54577.00

ISOTOPE	SAMPLE	ENRICHMENT	AMOUNT (MG)
RUBIDIUM 85	144701	99.85	40025.00
RUBIDIUM 85	164201	99.78	54979.00
RUBIDIUM 87	190101	98.00	109657.00

ISOTOPE	SAMPLE	ENRICHMENT	AMOUNT (MG)
RUTHENIUM 98	148601	89.00	430.00
RUTHENIUM 98	193101	89.34	398.00
RUTHENIUM 99	193201	98.11	1567.00
RUTHENIUM 99	214601	96.63	500.00
RUTHENIUM 100	148890	97.42	970.00
RUTHENIUM 100	193390	96.95	2898.00
RUTHENIUM 100	214701	95.58	1059.00
RUTHENIUM 101	148901	97.73	1304.00
RUTHENIUM 101	148990	96.63	2405.00
RUTHENIUM 101	193490	97.85	4387.00
RUTHENIUM 102	149090	99.25	8833.00
RUTHENIUM 102	193501	99.35	6926.00
RUTHENIUM 102	214901	98.95	2000.00
RUTHENIUM 102	214941	98.95	108.00
RUTHENIUM 104	149190	98.97	1582.00
RUTHENIUM 104	149191	99.15	725.00
RUTHENIUM 104	193690	99.21	4411.00
RUTHENIUM 104	215001	99.05	26.00
RUTHENIUM 104	215040	99.05	354.00

ISOTOPE	SAMPLE	ENRICHMENT	AMOUNT (MG)
SAMARIUM 144	167041	96.33	14.00
SAMARIUM 144	167061	85.57	15984.00
SAMARIUM 144	167090	96.47	4985.00
SAMARIUM 147	127001	97.75	4928.00
SAMARIUM 147	127026	97.93	6894.00
SAMARIUM 147	127040	97.93	250.00
SAMARIUM 147	167101	98.34	139063.00
SAMARIUM 148	114401	96.06	9008.00
SAMARIUM 148	127102	95.37	5192.00
SAMARIUM 148	130901	99.94	2106.00
SAMARIUM 148	167201	96.40	43661.00
SAMARIUM 148	167202	90.70	747.00
SAMARIUM 148	167240	96.40	800.00
SAMARIUM 148	167290	96.49	74946.00
SAMARIUM 148	167291	96.49	6806.00
SAMARIUM 149	127201	97.60	15947.00
SAMARIUM 149	167301	97.72	132116.00
SAMARIUM 149	167302	91.59	40.00
SAMARIUM 149	167390	97.68	2452.00
SAMARIUM 150	114602	94.74	3501.00
SAMARIUM 150	130401	99.97	390.00
SAMARIUM 150	130430	99.78	48.00
SAMARIUM 150	130490	99.93	1059.00
SAMARIUM 150	167401	95.48	33257.00
SAMARIUM 150	167440	95.48	167.00
SAMARIUM 150	167490	87.27	2677.00
SAMARIUM 150	167491	95.59	28355.00
SAMARIUM 150	167492	95.48	7047.00
SAMARIUM 152	114701	99.06	7243.00
SAMARIUM 152	127440	99.18	1050.00
SAMARIUM 152	167601	99.49	972.00
SAMARIUM 152	167602	98.29	35942.00
SAMARIUM 152	167640	90.29	1820.00
SAMARIUM 152	167660	98.27	29455.00
SAMARIUM 152	167690	99.47	80617.00
SAMARIUM 154	167703	98.69	100698.00
SAMARIUM 154	167741	98.69	867.00

ISOTOPE	SAMPLE	ENRICHMENT	AMOUNT (MG)
SELENIUM 76	185501	96.88	38059.00
SELENIUM 76	199701	96.06	177.00
SELENIUM 77	185601	94.38	32042.00
SELENIUM 77	185690	94.46	1621.00
SELENIUM 77	199801	91.77	2368.00
SELENIUM 78	185701	98.58	59993.00
SELENIUM 80	185801	99.45	79616.00
SELENIUM 82	147502	87.80	1828.00
SELENIUM 82	147590	88.56	1871.00
SELENIUM 82	185901	96.66	38337.00
SELENIUM 82	195201	96.66	1580.00
SELENIUM 82	195240	96.66	400.00
SELENIUM 82	195290	97.02	570.00

ISOTOPE	SAMPLE	ENRICHMENT	AMOUNT (MG)
SILICON 28	143204	99.84	49073.00
SILICON 28	143205	99.89	129820.00
SILICON 28	143242	99.90	2874.00
SILICON 28	143270	99.86	10403.00
SILICON 29	143301	95.28	44599.00
SILICON 29	143340	95.28	166.00
SILICON 29	143341	95.00	447.00
SILICON 29	143391	94.93	38055.00
SILICON 29	143392	93.76	8036.00
SILICON 30	136001	91.60	1208.00
SILICON 30	141201	91.00	100.00
SILICON 30	141280	89.12	49.00
SILICON 30	143401	95.55	36677.00
SILICON 30	143480	95.20	16.00
SILICON 30	143491	91.43	3373.00
SILICON 30	217601	95.28	1678.00

ISOTOPE	SAMPLE	ENRICHMENT	AMOUNT (MG)
SILVER 107	165301	98.22	56713.00
SILVER 107	165340	98.22	1306.00
SILVER 107	165341	98.22	5978.00
SILVER 107	93640	98.54	148.00
SILVER 109	165401	99.26	2502.00
SILVER 109	165440	99.26	611.00
SILVER 109	165441	99.26	5989.00
SILVER 109	165460	99.32	89739.00

ISOTOPE	SAMPLE	ENRICHMENT	AMOUNT (MG)
STRONTIUM 84	153985	75.60	12.00
STRONTIUM 84	163185	82.24	10601.00
STRONTIUM 84	163186	76.20	2.00
STRONTIUM 84	163190	82.54	991.00
STRONTIUM 84	182885	80.53	12760.00
STRONTIUM 84	182886	74.93	4085.00
STRONTIUM 86	136826	96.89	300.00
STRONTIUM 86	136840	97.60	150.00
STRONTIUM 86	136841	96.89	1130.00
STRONTIUM 86	136890	96.89	97998.00
STRONTIUM 86	154085	95.73	2846.00
STRONTIUM 87	136985	91.15	7980.00
STRONTIUM 87	136990	91.26	45728.00
STRONTIUM 87	154102	86.14	100895.00
STRONTIUM 87	154186	85.95	28316.00
STRONTIUM 87	163340	93.29	258.00
STRONTIUM 87	163341	87.76	9160.00
STRONTIUM 87	163385	87.76	150147.00
STRONTIUM 87	163390	87.85	9834.00
STRONTIUM 88	137001	99.84	183371.00
STRONTIUM 88	137040	99.84	14100.00
STRONTIUM 88	137070	99.84	24471.00

ISOTOPE	SAMPLE	ENRICHMENT	AMOUNT (MG)
SULFUR 32	90201	99.10	1950.00
SULFUR 32	143501	99.14	199322.00
SULFUR 32	149901	99.86	37890.00
SULFUR 33	167926	88.21	837.00
SULFUR 34	150101	85.61	649.00
SULFUR 34	150185	85.61	14.00
SULFUR 34	168002	90.00	337.00
SULFUR 34	68090	94.33	7946.00
SULFUR 34	902101	93.55	18136.00
SULFUR 36	76001	2.40	23.00
SULFUR 36	90501	2.00	8.00
SULFUR 36	143801	1.50	378.00
SULFUR 36	160301	2.88	97.00
SULFUR 36	160302	1.93	303.00

ISOTOPE	SAMPLE	ENRICHMENT	AMOUNT (MG)
TANTALUM 180	139301	5.10	26.00
TANTALUM 180	139360	5.47	151.00

ISOTOPE	SAMPLE	ENRICHMENT	AMOUNT (MG)
TELLURIUM 120	165801	55.93	1097.00
TELLURIUM 120	186601	38.13	461.00
TELLURIUM 120	191601	51.38	1096.00
TELLURIUM 120	191602	38.63	566.00
TELLURIUM 122	201801	96.45	31.00
TELLURIUM 122	206201	97.12	11994.00
TELLURIUM 122	206202	93.99	126.00
TELLURIUM 123	191801	85.40	6958.00
TELLURIUM 123	191802	76.67	21755.00
TELLURIUM 124	191902	93.75	23928.00
TELLURIUM 124	206406	93.00	16461.00
TELLURIUM 124	209001	96.91	57.00
TELLURIUM 125	138590	94.40	8891.00
TELLURIUM 125	150940	95.56	127.00
TELLURIUM 125	166201	95.45	63015.00
TELLURIUM 125	166290	95.45	8858.00
TELLURIUM 125	192001	95.67	20319.00
TELLURIUM 126	151001	98.69	13966.00
TELLURIUM 126	151040	98.69	320.00
TELLURIUM 126	166301	98.36	81834.00
TELLURIUM 128	138701	99.16	29636.00
TELLURIUM 128	138790	99.05	7783.00
TELLURIUM 128	151101	99.46	113426.00
TELLURIUM 128	151140	99.46	20.00
TELLURIUM 128	166401	99.19	66739.00
TELLURIUM 128	192240	98.70	150.00
TELLURIUM 130	138890	99.39	43741.00
TELLURIUM 130	151201	99.49	131870.00

ISOTOPE	SAMPLE	ENRICHMENT	AMOUNT (MG)
THALLIUM 203	197501	92.36	24830.00
THALLIUM 203	205408	95.60	540.00
THALLIUM 203	901501	99.26	536.00
THALLIUM 205	95901	99.00	50862.00
THALLIUM 205	152102	99.46	638228.00
THALLIUM 205	152140	98.79	190.00
THALLIUM 205	152190	99.46	199727.00

ISOTOPE	SAMPLE	ENRICHMENT	AMOUNT (MG)
TIN 112	196502	80.04	20.00
TIN 112	196503	68.25	103.00
TIN 112	196541	80.04	20.00
TIN 112	196570	68.51	6100.00
TIN 112	196580	68.51	52.00
TIN 114	100001	60.10	532.00
TIN 114	152301	60.65	2403.00
TIN 114	152330	51.65	1120.00
TIN 114	152370	60.65	902.00
TIN 114	152380	60.65	625.00
TIN 114	152381	51.65	77.00
TIN 114	178501	64.12	17897.00
TIN 114	178540	64.12	81.00
TIN 114	193801	69.20	1482.00
TIN 115	126101	40.20	140.00
TIN 115	152401	30.02	2800.00
TIN 115	178601	32.72	6715.00
TIN 115	178602	26.79	8353.00
TIN 115	178603	19.95	2197.00
TIN 115	178680	26.29	58.00
TIN 115	193930	27.49	192.00
TIN 115	196701	25.32	7074.00
TIN 115	196702	17.96	22309.00
TIN 116	126201	95.74	75685.00
TIN 116	126240	95.74	420.00
TIN 116	126270	95.74	42549.00
TIN 116	126271	95.74	7070.00
TIN 116	126280	95.74	212.00
TIN 116	126290	95.74	76.00
TIN 116	152501	95.60	13769.00
TIN 117	100380	85.40	2328.00
TIN 117	126340	98.20	499.00
TIN 117	126370	89.20	29419.00
TIN 117	126390	89.20	2491.00
TIN 117	178801	84.23	957.00
TIN 117	178840	84.23	1778.00
TIN 117	178870	84.23	51702.00
TIN 117	178880	84.23	3370.00
TIN 117	178890	84.23	3505.00
TIN 118	126426	97.06	21937.00
TIN 118	126440	97.15	330.00
TIN 118	126470	97.15	43059.00
TIN 118	126471	97.06	918.00
TIN 118	126472	97.06	19786.00
TIN 118	126473	97.06	36760.00

ISOTOPE	SAMPLE	ENRICHMENT	AMOUNT (MG)
TIN 118	126474	97.20	14210.00
TIN 118	126480	97.15	48052.00
TIN 118	126481	97.06	558.00
TIN 118	194202	97.07	30952.00
TIN 118	194240	97.79	126.00
TIN 118	901001	99.97	763.00
TIN 119	126501	89.80	65307.00
TIN 119	126540	89.80	691.00
TIN 119	126580	89.80	5873.00
TIN 119	179001	84.48	28172.00
TIN 120	126601	98.39	5128.00
TIN 120	126641	98.39	9.00
TIN 120	126670	98.39	44975.00
TIN 120	126671	98.56	39868.00
TIN 120	126672	98.56	130654.00
TIN 120	126673	98.39	37375.00
TIN 120	126680	98.56	11350.00
TIN 120	126681	98.39	31134.00
TIN 120	126690	97.89	29698.00
TIN 120	179101	98.05	170.00
TIN 120	179140	98.05	300.00
TIN 122	126770	90.80	29193.00
TIN 122	153040	92.25	18.00
TIN 122	179201	92.20	29182.00
TIN 122	179240	92.20	193.00
TIN 122	179290	92.19	29784.00
TIN 124	126870	93.28	13561.00
TIN 124	179301	96.96	4674.00
TIN 124	179340	96.71	61.00
TIN 124	197401	96.32	2026.00
TIN 124	197402	96.43	1179.00

ISOTOPE	SAMPLE	ENRICHMENT	AMOUNT (MG)
TITANIUM 46	75226	82.40	1304.00
TITANIUM 46	102840	86.10	1424.00
TITANIUM 46	102890	85.90	9412.00
TITANIUM 46	131401	77.10	5819.00
TITANIUM 46	131440	77.10	1662.00
TITANIUM 46	151301	81.20	1620.00
TITANIUM 46	151302	73.30	66789.00
TITANIUM 46	216601	96.84	290.00
TITANIUM 47	102926	82.80	13391.00
TITANIUM 47	131501	80.10	1426.00
TITANIUM 47	131540	80.10	5.00
TITANIUM 47	131590	80.10	2768.00
TITANIUM 47	131591	80.30	354.00
TITANIUM 47	151401	79.50	29242.00
TITANIUM 47	216701	94.55	1845.00
TITANIUM 47	216740	94.55	2859.00
TITANIUM 48	75490	99.14	4356.00
TITANIUM 48	92301	99.10	787.00
TITANIUM 48	92370	99.10	1933.00
TITANIUM 48	92390	99.24	14720.00
TITANIUM 48	103001	99.36	125815.00
TITANIUM 48	103040	99.36	477.00
TITANIUM 48	103091	95.22	2295.00
TITANIUM 48	151501	99.65	6188.00
TITANIUM 48	216801	99.81	2130.00
TITANIUM 48	216840	99.81	2610.00
TITANIUM 49	75501	79.40	12.00
TITANIUM 49	131740	75.70	1998.00
TITANIUM 49	151602	66.36	2150.00
TITANIUM 49	151603	76.14	508.00
TITANIUM 49	151627	76.57	4747.00
TITANIUM 49	151640	81.61	2983.00
TITANIUM 49	151641	76.14	2695.00
TITANIUM 49	151680	76.10	743.00
TITANIUM 49	151690	76.27	6129.00
TITANIUM 49	151691	67.58	19879.00
TITANIUM 49	151692	67.78	14862.00
TITANIUM 49	216901	96.25	1589.00
TITANIUM 50	103201	83.20	4069.00
TITANIUM 50	103270	83.20	2031.00
TITANIUM 50	131801	69.70	1121.00
TITANIUM 50	131880	69.70	49.00
TITANIUM 50	151726	68.35	2105.00
TITANIUM 50	151741	67.76	8.00
TITANIUM 50	151790	67.53	12849.00
TITANIUM 50	217001	96.75	569.00

ISOTOPE	SAMPLE	ENRICHMENT	AMOUNT (MG)
TUNGSTEN 180	30001	7.30	1036.00
TUNGSTEN 180	56190	6.93	10.00
TUNGSTEN 180	93101	6.60	511.00
TUNGSTEN 180	128101	11.35	179.00
TUNGSTEN 180	128102	6.93	8787.00
TUNGSTEN 180	154301	8.76	4990.00
TUNGSTEN 180	154302	6.02	7269.00
TUNGSTEN 182	1	90.95	532402.00
TUNGSTEN 182	2	94.90	124346.00
TUNGSTEN 182	93290	94.24	4911.00
TUNGSTEN 182	128201	94.40	97992.00
TUNGSTEN 182	128240	94.32	1140.00
TUNGSTEN 182	128280	94.40	216.00
TUNGSTEN 182	128291	92.05	15813.00
TUNGSTEN 183	1	70.99	205965.00
TUNGSTEN 183	30190	87.53	8564.00
TUNGSTEN 183	56301	82.63	2743.00
TUNGSTEN 183	56390	82.60	24.00
TUNGSTEN 183	56391	83.00	150.00
TUNGSTEN 183	56392	83.00	73.00
TUNGSTEN 183	93301	79.40	804.00
TUNGSTEN 183	93380	79.40	4101.00
TUNGSTEN 183	93390	79.20	4736.00
TUNGSTEN 183	128301	82.50	7847.00
TUNGSTEN 183	154503	73.68	5309.00
TUNGSTEN 183	154560	73.62	9994.00
TUNGSTEN 183	901490	81.68	44708.00
TUNGSTEN 184	1	80.96	516902.00
TUNGSTEN 184	2	93.88	124086.00
TUNGSTEN 184	56401	94.80	609.00
TUNGSTEN 184	56480	95.10	243.00
TUNGSTEN 184	56490	95.10	25.00
TUNGSTEN 184	93401	95.09	3675.00
TUNGSTEN 184	93490	94.87	5792.00
TUNGSTEN 184	128401	94.30	54424.00
TUNGSTEN 184	128480	94.25	700.00
TUNGSTEN 184	128481	94.52	60882.00
TUNGSTEN 184	128490	93.79	9164.00
TUNGSTEN 186	1	96.99	513949.00
TUNGSTEN 186	2	97.66	123109.00
TUNGSTEN 186	56501	97.50	5882.00
TUNGSTEN 186	93501	97.40	13419.00
TUNGSTEN 186	128501	97.23	54530.00
TUNGSTEN 186	128540	97.06	86.00
TUNGSTEN 186	128541	97.23	876.00
TUNGSTEN 186	128590	97.06	12207.00

ISOTOPE	SAMPLE	ENRICHMENT	AMOUNT (MG)
TUNGSTEN 186	128591	96.85	100622.00
TUNGSTEN 186	128592	97.06	8230.00
TUNGSTEN 186	128593	95.20	7702.00
TUNGSTEN 186	154701	96.07	11.00

ISOTOPE	SAMPLE	ENRICHMENT	AMOUNT (MG)
VANADIUM 50	105201	44.10	299.00
VANADIUM 50	105202	36.00	8.00

ISOTOPE	SAMPLE	ENRICHMENT	AMOUNT (MG)
YTTERBIUM 168	163540	18.25	63.00
YTTERBIUM 168	195801	33.51	1309.00
YTTERBIUM 168	195802	24.13	1360.00
YTTERBIUM 168	195803	13.69	2778.00
YTTERBIUM 168	207801	24.47	231.00
YTTERBIUM 168	207802	14.85	539.00
YTTERBIUM 170	105602	64.10	140.00
YTTERBIUM 170	124301	85.40	604.00
YTTERBIUM 170	140201	67.20	2229.00
YTTERBIUM 170	140240	67.20	530.00
YTTERBIUM 170	163601	68.50	46201.00
YTTERBIUM 170	195901	78.78	19132.00
YTTERBIUM 170	195902	66.65	41238.00
YTTERBIUM 171	163740	90.60	63.00
YTTERBIUM 171	196001	95.07	8267.00
YTTERBIUM 171	196002	90.90	307735.00
YTTERBIUM 171	196003	87.98	5692.00
YTTERBIUM 171	196041	87.98	372.00
YTTERBIUM 172	163801	92.76	87243.00
YTTERBIUM 172	196101	95.92	8614.00
YTTERBIUM 173	124601	94.86	3539.00
YTTERBIUM 173	124690	95.00	5041.00
YTTERBIUM 173	196201	92.08	105773.00
YTTERBIUM 173	208240	89.03	350.00
YTTERBIUM 174	106001	98.40	2647.00
YTTERBIUM 174	106040	98.40	877.00
YTTERBIUM 174	124701	98.97	117.00
YTTERBIUM 174	124740	98.97	570.00
YTTERBIUM 174	140640	95.80	150.00
YTTERBIUM 174	164001	96.58	171388.00
YTTERBIUM 174	196301	97.80	13265.00
YTTERBIUM 176	106101	97.50	4909.00
YTTERBIUM 176	124801	97.77	1301.00
YTTERBIUM 176	140701	96.43	7876.00
YTTERBIUM 176	164101	96.68	95340.00
YTTERBIUM 176	164141	96.68	836.00
YTTERBIUM 176	218801	97.79	4738.00

ISOTOPE	SAMPLE	ENRICHMENT	AMOUNT (MG)
ZINC 64	95101	98.50	1526.00
ZINC 64	95180	98.50	28.00
ZINC 64	114901	99.85	7766.00
ZINC 64	114940	99.85	75.00
ZINC 64	114991	99.42	19.00
ZINC 64	123401	99.66	4589.00
ZINC 64	123440	99.66	105.00
ZINC 64	123480	99.66	2897.00
ZINC 64	123490	99.38	24.00
ZINC 64	156901	97.87	128377.00
ZINC 64	200601	99.69	176.00
ZINC 64	200640	99.69	38.00
ZINC 66	115001	98.80	5782.00
ZINC 66	115040	98.80	902.00
ZINC 66	123501	99.35	4420.00
ZINC 66	123580	99.35	28.00
ZINC 66	123590	99.35	19236.00
ZINC 66	157040	98.55	63.00
ZINC 66	157091	98.22	33960.00
ZINC 66	200701	98.69	11310.00
ZINC 66	217801	99.04	4216.00
ZINC 67	115101	92.50	823.00
ZINC 67	157102	89.55	4818.00
ZINC 67	157190	89.25	801.00
ZINC 67	157191	88.62	4333.00
ZINC 67	188301	89.68	74.00
ZINC 67	188340	89.68	320.00
ZINC 67	188390	89.68	37363.00
ZINC 68	115240	98.50	153.00
ZINC 68	123780	99.30	23.00
ZINC 68	157291	99.28	10220.00
ZINC 68	205904	99.34	38050.00
ZINC 68	205940	99.34	75.00
ZINC 68	212801	99.09	7919.00
ZINC 68	218001	99.36	27.00
ZINC 70	201002	65.51	6634.00
ZINC 70	207701	85.03	1567.00
ZINC 70	207740	85.03	40.00
H P ZINC 70	202901	99.72	996.00

ISOTOPE	SAMPLE	ENRICHMENT	AMOUNT (MG)
ZIRCONIUM 90	124926	97.66	48784.00
ZIRCONIUM 90	124991	97.78	9916.00
ZIRCONIUM 90	157403	97.72	20173.00
ZIRCONIUM 90	157440	97.65	3337.00
ZIRCONIUM 90	157470	97.72	37665.00
ZIRCONIUM 90	157471	97.65	20103.00
ZIRCONIUM 90	157491	97.26	181605.00
ZIRCONIUM 90	157492	97.15	9834.00
ZIRCONIUM 90	188801	99.36	5066.00
ZIRCONIUM 91	125060	91.11	4895.00
ZIRCONIUM 91	157526	89.31	55784.00
ZIRCONIUM 91	157541	88.50	885.00
ZIRCONIUM 91	157542	89.20	314.00
ZIRCONIUM 91	157570	89.20	30589.00
ZIRCONIUM 91	157571	88.50	6590.00
ZIRCONIUM 91	157572	88.50	1132.00
ZIRCONIUM 91	188901	94.59	717.00
ZIRCONIUM 92	157628	95.16	19972.00
ZIRCONIUM 92	157640	94.57	10917.00
ZIRCONIUM 92	157641	95.13	6880.00
ZIRCONIUM 92	157670	95.13	41082.00
ZIRCONIUM 92	189001	98.06	49923.00
ZIRCONIUM 94	125240	96.93	341.00
ZIRCONIUM 94	125241	96.49	16227.00
ZIRCONIUM 94	157701	96.07	19984.00
ZIRCONIUM 94	157740	96.07	31046.00
ZIRCONIUM 94	157770	96.10	9956.00
ZIRCONIUM 94	157771	96.07	1207.00
ZIRCONIUM 94	189101	98.58	43042.00
ZIRCONIUM 96	125302	57.36	9610.00
ZIRCONIUM 96	125340	57.36	1026.00
ZIRCONIUM 96	157801	85.25	1409.00
ZIRCONIUM 96	157802	72.47	3.00
ZIRCONIUM 96	157830	57.92	74.00
ZIRCONIUM 96	157840	85.25	1006.00
ZIRCONIUM 96	157841	72.47	1021.00
ZIRCONIUM 96	157891	58.42	10090.00
ZIRCONIUM 96	189201	95.63	3744.00
ZIRCONIUM 96	189202	91.39	5937.00