

Intensities

21-Dec-23 17:15:38



Instrument Name	Serial Number
iCAP RQ	Undefined

LabBook	LabBook Path
2023_12_21_M94_CrMnFeCoNiCu_SGoe-mtr.imexp	_Application Data\Workspace\LabBooks

Analysis index: 1 Analysis started at: 21-Dec-23 13:09:00
Analysis label: Rinse HNO3 2% User name: THERMOF-6VBH8PNICPMS-User

Category	52Cr (mp_KED)	53Cr (mp_KED)	55Mn (mp_KED)	56Fe (mp_KED)	57Fe (mp_KED)	59Co (mp_KED)	60Ni (mp_KED)	61Ni (mp_KED)	62Ni (mp_KED)	63Cu (mp_KED)
Intensity average	543 cps	320 cps	521 cps	23,749 cps	334 cps	884 cps	875 cps	45 cps	133 cps	5,437 cps
Intensity per Run 1	520.0 cps	354.0 cps	531.0 cps	23,473.2 cps	395.0 cps	885.0 cps	884.0 cps	46.0 cps	134.0 cps	5,414.2 cps
Intensity per Run 2	491.0 cps	315.0 cps	526.0 cps	23,915.0 cps	299.0 cps	914.0 cps	877.0 cps	44.0 cps	137.0 cps	5,535.2 cps
Intensity per Run 3	562.0 cps	303.0 cps	522.0 cps	23,829.8 cps	318.0 cps	890.0 cps	861.0 cps	46.0 cps	145.0 cps	5,413.2 cps
Intensity per Run 4	597.0 cps	308.0 cps	505.0 cps	23,779.8 cps	324.0 cps	845.0 cps	877.0 cps	43.0 cps	117.0 cps	5,384.2 cps
Intensity RSD	8.6 %	7.2 %	2.2 %	0.8 %	12.6 %	3.2 %	1.1 %	3.4 %	8.8 %	1.2 %

Category	65Cu (mp_KED)	95Mo (mp_KED)	97Mo (mp_KED)
Intensity average	2,673 cps	1,305 cps	829 cps
Intensity per Run 1	2,700.3 cps	1,141.1 cps	773.0 cps
Intensity per Run 2	2,633.3 cps	1,322.1 cps	831.0 cps
Intensity per Run 3	2,751.3 cps	1,338.1 cps	866.0 cps
Intensity per Run 4	2,606.3 cps	1,418.1 cps	844.0 cps
Intensity RSD	2.5 %	9.0 %	4.8 %

Intensities

21-Dec-23 17:15:38



Instrument Name	Serial Number
iCAP RQ	Undefined

LabBook	LabBook Path
2023_12_21_M94_CrMnFeCoNiCu_SGoe-mtr.imexp	_Application Data\Workspace\LabBooks

Analysis index: 2 Analysis started at: 21-Dec-23 13:14:06
Analysis label: Rinse HNO3 2% User name: THERMOF-6VBH8PNICPMS-User

Category	52Cr (mp_KED)	53Cr (mp_KED)	55Mn (mp_KED)	56Fe (mp_KED)	57Fe (mp_KED)	59Co (mp_KED)	60Ni (mp_KED)	61Ni (mp_KED)	62Ni (mp_KED)	63Cu (mp_KED)
Intensity average	516 cps	295 cps	530 cps	23,408 cps	312 cps	781 cps	902 cps	38 cps	129 cps	5,451 cps
Intensity per Run 1	494.0 cps	275.0 cps	514.0 cps	23,194.7 cps	308.0 cps	789.0 cps	871.0 cps	40.0 cps	129.0 cps	5,473.2 cps
Intensity per Run 2	495.0 cps	301.0 cps	545.0 cps	22,953.2 cps	327.0 cps	749.0 cps	940.0 cps	44.0 cps	118.0 cps	5,383.2 cps
Intensity per Run 3	533.0 cps	273.0 cps	561.0 cps	23,758.7 cps	332.0 cps	798.0 cps	928.0 cps	38.0 cps	137.0 cps	5,525.2 cps
Intensity per Run 4	542.0 cps	331.0 cps	501.0 cps	23,725.7 cps	279.0 cps	786.0 cps	870.0 cps	30.0 cps	131.0 cps	5,422.2 cps
Intensity RSD	4.9 %	9.2 %	5.2 %	1.7 %	7.7 %	2.8 %	4.1 %	15.5 %	6.2 %	1.1 %

Category	65Cu (mp_KED)	95Mo (mp_KED)	97Mo (mp_KED)
Intensity average	2,660 cps	1,335 cps	858 cps
Intensity per Run 1	2,624.3 cps	1,279.1 cps	795.0 cps
Intensity per Run 2	2,679.3 cps	1,281.1 cps	830.0 cps
Intensity per Run 3	2,690.3 cps	1,365.1 cps	873.0 cps
Intensity per Run 4	2,644.3 cps	1,414.1 cps	934.0 cps
Intensity RSD	1.2 %	5.0 %	7.0 %

Intensities

21-Dec-23 17:15:38



Instrument Name	Serial Number
iCAP RQ	Undefined

LabBook	LabBook Path
2023_12_21_M94_CrMnFeCoNiCu_SGoe-mtr.imexp	_Application Data\Workspace\LabBooks

Analysis index: 3 Analysis started at: 21-Dec-23 13:19:13
Analysis label: Rinse HNO3 2% User name: THERMOF-6VBH8PNICPMS-User

Category	52Cr (mp_KED)	53Cr (mp_KED)	55Mn (mp_KED)	56Fe (mp_KED)	57Fe (mp_KED)	59Co (mp_KED)	60Ni (mp_KED)	61Ni (mp_KED)	62Ni (mp_KED)	63Cu (mp_KED)
Intensity average	552 cps	289 cps	496 cps	23,727 cps	296 cps	734 cps	901 cps	30 cps	133 cps	5,385 cps
Intensity per Run 1	510.0 cps	273.0 cps	511.0 cps	23,219.7 cps	299.0 cps	708.0 cps	878.0 cps	29.0 cps	134.0 cps	5,328.2 cps
Intensity per Run 2	539.0 cps	328.0 cps	466.0 cps	23,702.6 cps	300.0 cps	785.0 cps	892.0 cps	33.0 cps	114.0 cps	5,376.2 cps
Intensity per Run 3	538.0 cps	265.0 cps	489.0 cps	24,041.2 cps	291.0 cps	712.0 cps	891.0 cps	33.0 cps	150.0 cps	5,339.2 cps
Intensity per Run 4	621.0 cps	290.0 cps	516.0 cps	23,946.0 cps	295.0 cps	729.0 cps	941.0 cps	25.0 cps	132.0 cps	5,495.2 cps
Intensity RSD	8.7 %	9.7 %	4.6 %	1.5 %	1.4 %	4.8 %	3.1 %	12.8 %	11.1 %	1.4 %

Category	65Cu (mp_KED)	95Mo (mp_KED)	97Mo (mp_KED)
Intensity average	2,676 cps	1,321 cps	868 cps
Intensity per Run 1	2,726.3 cps	1,249.1 cps	837.0 cps
Intensity per Run 2	2,701.3 cps	1,304.1 cps	868.0 cps
Intensity per Run 3	2,618.3 cps	1,360.1 cps	871.0 cps
Intensity per Run 4	2,656.3 cps	1,372.1 cps	894.0 cps
Intensity RSD	1.8 %	4.3 %	2.7 %

Intensities

21-Dec-23 17:15:38



Instrument Name	Serial Number
iCAP RQ	Undefined

LabBook	LabBook Path
2023_12_21_M94_CrMnFeCoNiCu_SGoe-mtr.imexp	_Application Data\Workspace\LabBooks

Analysis index: 4
Analysis label: M28SnPd 0 ppb 300µL HNO3 22.09.2023 mtr

Analysis started at: 21-Dec-23 13:24:19
User name: THERMOF-6VBH8PN\ICPMS-User

Category	52Cr (mp_KED)	53Cr (mp_KED)	55Mn (mp_KED)	56Fe (mp_KED)	57Fe (mp_KED)	59Co (mp_KED)	60Ni (mp_KED)	61Ni (mp_KED)	62Ni (mp_KED)	63Cu (mp_KED)
Intensity average	808 cps	308 cps	271 cps	22,299 cps	255 cps	609 cps	627 cps	23 cps	96 cps	4,004 cps
Intensity per Run 1	781.0 cps	322.0 cps	245.0 cps	22,386.2 cps	240.0 cps	620.0 cps	672.0 cps	23.0 cps	110.0 cps	4,086.7 cps
Intensity per Run 2	832.0 cps	311.0 cps	284.0 cps	22,080.6 cps	245.0 cps	609.0 cps	632.0 cps	27.0 cps	94.0 cps	4,015.7 cps
Intensity per Run 3	808.0 cps	286.0 cps	290.0 cps	22,218.9 cps	273.0 cps	587.0 cps	612.0 cps	22.0 cps	85.0 cps	3,924.6 cps
Intensity per Run 4	811.0 cps	314.0 cps	265.0 cps	22,511.4 cps	263.0 cps	621.0 cps	593.0 cps	20.0 cps	96.0 cps	3,988.7 cps
Intensity RSD	2.6 %	5.0 %	7.5 %	0.8 %	6.0 %	2.6 %	5.4 %	12.8 %	10.7 %	1.7 %

Category	65Cu (mp_KED)	95Mo (mp_KED)	97Mo (mp_KED)
Intensity average	1,965 cps	1,088 cps	701 cps
Intensity per Run 1	2,043.2 cps	951.0 cps	616.0 cps
Intensity per Run 2	1,882.2 cps	1,039.0 cps	668.0 cps
Intensity per Run 3	1,898.2 cps	1,165.1 cps	750.0 cps
Intensity per Run 4	2,035.2 cps	1,197.1 cps	768.0 cps
Intensity RSD	4.4 %	10.5 %	10.2 %

Intensities

21-Dec-23 17:15:38



Instrument Name	Serial Number
iCAP RQ	Undefined

LabBook	LabBook Path
2023_12_21_M94_CrMnFeCoNiCu_SGoe-mtr.imexp	_Application Data\Workspace\LabBooks

Analysis index: 5 Analysis started at: 21-Dec-23 13:29:27
Analysis label: M28SnPd 1 ppb 300µL HNO3 22.09.2023 mtr User name: THERMOF-6VBH8PN\ICPMS-User

Category	52Cr (mp_KED)	53Cr (mp_KED)	55Mn (mp_KED)	56Fe (mp_KED)	57Fe (mp_KED)	59Co (mp_KED)	60Ni (mp_KED)	61Ni (mp_KED)	62Ni (mp_KED)	63Cu (mp_KED)
Intensity average	87,507 cps	10,953 cps	71,190 cps	114,212 cps	2,559 cps	125,843 cps	30,666 cps	1,405 cps	4,650 cps	83,683 cps
Intensity per Run 1	87,590.4 cps	11,003.9 cps	70,640.5 cps	113,543.4 cps	2,485.3 cps	124,931.5 cps	30,449.2 cps	1,388.1 cps	4,648.9 cps	83,361.8 cps
Intensity per Run 2	87,055.8 cps	10,757.7 cps	70,848.7 cps	114,121.4 cps	2,554.3 cps	125,508.0 cps	30,729.9 cps	1,414.1 cps	4,648.9 cps	83,733.1 cps
Intensity per Run 3	87,106.2 cps	10,979.9 cps	71,761.0 cps	114,577.6 cps	2,677.3 cps	126,358.7 cps	30,668.7 cps	1,401.1 cps	4,596.9 cps	83,741.1 cps
Intensity per Run 4	88,275.1 cps	11,071.9 cps	71,508.5 cps	114,605.0 cps	2,519.3 cps	126,574.1 cps	30,816.1 cps	1,415.1 cps	4,703.9 cps	83,897.1 cps
Intensity RSD	0.6 %	1.2 %	0.7 %	0.4 %	3.3 %	0.6 %	0.5 %	0.9 %	0.9 %	0.3 %

Category	65Cu (mp_KED)	95Mo (mp_KED)	97Mo (mp_KED)
Intensity average	40,700 cps	46,585 cps	30,154 cps
Intensity per Run 1	40,528.8 cps	46,462.5 cps	30,088.3 cps
Intensity per Run 2	40,749.5 cps	46,176.4 cps	29,683.4 cps
Intensity per Run 3	40,701.4 cps	46,714.4 cps	30,385.0 cps
Intensity per Run 4	40,821.8 cps	46,986.4 cps	30,461.2 cps
Intensity RSD	0.3 %	0.7 %	1.2 %

Intensities

21-Dec-23 17:15:38



Instrument Name	Serial Number
iCAP RQ	Undefined

LabBook	LabBook Path
2023_12_21_M94_CrMnFeCoNiCu_SGoe-mtr.imexp	_Application Data\Workspace\LabBooks

Analysis index: 6 Analysis started at: 21-Dec-23 13:34:34
Analysis label: M28SnPd 5 ppb 300µL HNO3 22.09.2023 mtr User name: THERMOF-6VBH8PN\ICPMS-User

Category	52Cr (mp_KED)	53Cr (mp_KED)	55Mn (mp_KED)	56Fe (mp_KED)	57Fe (mp_KED)	59Co (mp_KED)	60Ni (mp_KED)	61Ni (mp_KED)	62Ni (mp_KED)	63Cu (mp_KED)
Intensity average	445,988 cps	54,576 cps	361,394 cps	498,543 cps	12,044 cps	639,574 cps	153,795 cps	7,036 cps	23,538 cps	410,719 cps
Intensity per Run 1	445,815.5 cps	54,278.9 cps	359,015.9 cps	496,474.3 cps	12,097.9 cps	638,307.7 cps	153,297.1 cps	6,951.0 cps	23,684.5 cps	410,399.5 cps
Intensity per Run 2	444,864.0 cps	54,244.8 cps	360,814.4 cps	497,309.1 cps	11,857.7 cps	640,022.9 cps	153,365.2 cps	7,067.0 cps	23,527.3 cps	408,915.0 cps
Intensity per Run 3	447,586.1 cps	54,842.4 cps	363,740.1 cps	499,983.4 cps	12,204.0 cps	641,623.0 cps	154,779.7 cps	7,092.0 cps	23,400.0 cps	411,996.5 cps
Intensity per Run 4	445,686.0 cps	54,936.7 cps	362,005.4 cps	500,405.5 cps	12,016.8 cps	638,343.8 cps	153,739.2 cps	7,034.0 cps	23,538.3 cps	411,563.8 cps
Intensity RSD	0.3 %	0.7 %	0.6 %	0.4 %	1.2 %	0.2 %	0.4 %	0.9 %	0.5 %	0.3 %

Category	65Cu (mp_KED)	95Mo (mp_KED)	97Mo (mp_KED)
Intensity average	201,319 cps	235,340 cps	152,354 cps
Intensity per Run 1	202,532.4 cps	235,426.5 cps	152,399.7 cps
Intensity per Run 2	200,315.5 cps	234,506.0 cps	152,502.3 cps
Intensity per Run 3	200,716.4 cps	236,070.7 cps	152,458.5 cps
Intensity per Run 4	201,710.9 cps	235,357.4 cps	152,056.5 cps
Intensity RSD	0.5 %	0.3 %	0.1 %

Intensities

21-Dec-23 17:15:38



Instrument Name	Serial Number
iCAP RQ	Undefined

LabBook	LabBook Path
2023_12_21_M94_CrMnFeCoNiCu_SGoe-mtr.imexp	_Application Data\Workspace\LabBooks

Analysis index: 7
Analysis label: M28SnPd 10 ppb 300µL HNO3 22.09.2023 mtr

Analysis started at: 21-Dec-23 13:39:42
User name: THERMOF-6VBH8PN\ICPMS-User

Category	52Cr (mp_KED)	53Cr (mp_KED)	55Mn (mp_KED)	56Fe (mp_KED)	57Fe (mp_KED)	59Co (mp_KED)	60Ni (mp_KED)	61Ni (mp_KED)	62Ni (mp_KED)	63Cu (mp_KED)
Intensity average	866,031 cps	106,441 cps	707,695 cps	948,588 cps	23,512 cps	1,248,633 cps	297,824 cps	13,654 cps	45,362 cps	796,737 cps
Intensity per Run 1	871,241.2 cps	106,004.3 cps	707,650.7 cps	948,766.4 cps	23,681.5 cps	1,253,441.3 cps	298,429.4 cps	13,653.5 cps	45,344.4 cps	799,704.9 cps
Intensity per Run 2	868,259.5 cps	107,071.5 cps	709,266.4 cps	952,107.7 cps	23,586.4 cps	1,254,817.9 cps	298,784.0 cps	13,908.8 cps	45,699.6 cps	800,209.6 cps
Intensity per Run 3	863,939.3 cps	106,274.6 cps	705,282.5 cps	946,967.3 cps	23,506.2 cps	1,245,965.8 cps	296,834.4 cps	13,400.2 cps	45,242.0 cps	792,396.6 cps
Intensity per Run 4	860,683.7 cps	106,414.0 cps	708,580.2 cps	946,511.9 cps	23,273.8 cps	1,240,306.9 cps	297,247.9 cps	13,651.5 cps	45,161.7 cps	794,635.7 cps
Intensity RSD	0.5 %	0.4 %	0.2 %	0.3 %	0.7 %	0.5 %	0.3 %	1.5 %	0.5 %	0.5 %

Category	65Cu (mp_KED)	95Mo (mp_KED)	97Mo (mp_KED)
Intensity average	390,214 cps	459,861 cps	298,992 cps
Intensity per Run 1	393,233.3 cps	461,949.9 cps	302,027.9 cps
Intensity per Run 2	390,894.2 cps	462,546.7 cps	298,447.1 cps
Intensity per Run 3	388,142.6 cps	458,748.3 cps	297,362.6 cps
Intensity per Run 4	388,585.1 cps	456,200.2 cps	298,131.0 cps
Intensity RSD	0.6 %	0.6 %	0.7 %

Intensities

21-Dec-23 17:15:38



Instrument Name	Serial Number
iCAP RQ	Undefined

LabBook	LabBook Path
2023_12_21_M94_CrMnFeCoNiCu_SGoe-mtr.imexp	_Application Data\Workspace\LabBooks

Analysis index: 8
Analysis label: M28SnPd 20 ppb 300µL HNO3 22.09.2023 mtr

Analysis started at: 21-Dec-23 13:44:50
User name: THERMOF-6VBH8PN\ICPMS-User

Category	52Cr (mp_KED)	53Cr (mp_KED)	55Mn (mp_KED)	56Fe (mp_KED)	57Fe (mp_KED)	59Co (mp_KED)	60Ni (mp_KED)	61Ni (mp_KED)	62Ni (mp_KED)	63Cu (mp_KED)
Intensity average	1,743,880 cps	213,237 cps	1,425,701 cps	1,890,648 cps	46,564 cps	2,524,999 cps	595,165 cps	27,128 cps	90,628 cps	1,594,521 cps
Intensity per Run 1	1,754,722.6 cps	214,710.9 cps	1,434,571.5 cps	1,907,241.7 cps	46,934.3 cps	2,540,775.2 cps	600,428.4 cps	27,104.5 cps	91,535.6 cps	1,608,372.1 cps
Intensity per Run 2	1,744,978.4 cps	213,542.0 cps	1,424,686.7 cps	1,887,752.5 cps	46,783.6 cps	2,527,618.2 cps	593,139.3 cps	27,415.2 cps	90,250.2 cps	1,587,195.2 cps
Intensity per Run 3	1,746,367.8 cps	213,828.8 cps	1,431,046.7 cps	1,897,779.8 cps	46,883.0 cps	2,527,704.5 cps	595,714.4 cps	27,143.6 cps	90,382.4 cps	1,595,745.8 cps
Intensity per Run 4	1,729,450.5 cps	210,867.1 cps	1,412,500.9 cps	1,869,817.6 cps	45,656.6 cps	2,503,899.4 cps	591,376.0 cps	26,847.9 cps	90,342.1 cps	1,586,769.5 cps
Intensity RSD	0.6 %	0.8 %	0.7 %	0.8 %	1.3 %	0.6 %	0.7 %	0.9 %	0.7 %	0.6 %

Category	65Cu (mp_KED)	95Mo (mp_KED)	97Mo (mp_KED)
Intensity average	778,651 cps	928,212 cps	600,876 cps
Intensity per Run 1	782,557.7 cps	933,008.4 cps	604,621.7 cps
Intensity per Run 2	775,645.0 cps	928,970.6 cps	603,665.5 cps
Intensity per Run 3	783,906.6 cps	931,888.7 cps	600,870.3 cps
Intensity per Run 4	772,493.8 cps	918,979.9 cps	594,345.4 cps
Intensity RSD	0.7 %	0.7 %	0.8 %

Intensities

21-Dec-23 17:15:38



Instrument Name	Serial Number
iCAP RQ	Undefined

LabBook	LabBook Path
2023_12_21_M94_CrMnFeCoNiCu_SGoe-mtr.imexp	_Application Data\Workspace\LabBooks

Analysis index: 9 Analysis started at: 21-Dec-23 13:49:59
Analysis label: M28SnPd 50 ppb 300µL HNO3 22.09.2023 mtr User name: THERMOF-6VBH8PNICPMS-User

Category	52Cr (mp_KED)	53Cr (mp_KED)	55Mn (mp_KED)	56Fe (mp_KED)	57Fe (mp_KED)	59Co (mp_KED)	60Ni (mp_KED)	61Ni (mp_KED)	62Ni (mp_KED)	63Cu (mp_KED)
Intensity average	4,459,991 cps	543,461 cps	3,437,030 cps	5,441,031 cps	133,899 cps	6,041,770 cps	1,435,877 cps	65,737 cps	219,427 cps	3,813,791 cps
Intensity per Run 1	4,460,436.4 cps	548,121.7 cps	3,429,798.3 cps	5,423,746.7 cps	134,350.2 cps	6,052,935.4 cps	1,435,894.9 cps	65,873.7 cps	218,800.6 cps	3,804,204.2 cps
Intensity per Run 2	4,455,486.3 cps	541,871.6 cps	3,419,824.0 cps	5,439,213.2 cps	133,794.6 cps	5,997,703.6 cps	1,432,695.8 cps	65,797.2 cps	219,817.1 cps	3,803,462.9 cps
Intensity per Run 3	4,442,192.7 cps	540,331.4 cps	3,436,017.2 cps	5,419,448.6 cps	133,636.6 cps	6,046,063.7 cps	1,437,074.1 cps	65,439.2 cps	219,315.5 cps	3,811,049.8 cps
Intensity per Run 4	4,481,848.0 cps	543,519.7 cps	3,462,481.6 cps	5,481,717.4 cps	133,814.9 cps	6,070,377.4 cps	1,437,843.5 cps	65,838.4 cps	219,774.5 cps	3,836,446.3 cps
Intensity RSD	0.4 %	0.6 %	0.5 %	0.5 %	0.2 %	0.5 %	0.2 %	0.3 %	0.2 %	0.4 %

Category	65Cu (mp_KED)	95Mo (mp_KED)	97Mo (mp_KED)
Intensity average	1,857,031 cps	2,297,405 cps	1,473,339 cps
Intensity per Run 1	1,868,141.7 cps	2,305,183.3 cps	1,479,212.9 cps
Intensity per Run 2	1,845,467.4 cps	2,292,618.3 cps	1,466,211.0 cps
Intensity per Run 3	1,853,962.5 cps	2,279,046.4 cps	1,468,825.9 cps
Intensity per Run 4	1,860,553.4 cps	2,312,773.9 cps	1,479,105.6 cps
Intensity RSD	0.5 %	0.6 %	0.5 %

Intensities

21-Dec-23 17:15:38



Instrument Name	Serial Number
iCAP RQ	Undefined

LabBook	LabBook Path
2023_12_21_M94_CrMnFeCoNiCu_SGoe-mtr.imexp	_Application Data\Workspace\LabBooks

Analysis index: 10 Analysis started at: 21-Dec-23 13:55:09
 Analysis label: M28SnPd 100 ppb 300µL HNO3 22.09.2023 mtr User name: THERMOF-6VBH8PN\ICPMS-User

Category	52Cr (mp_KED)	53Cr (mp_KED)	55Mn (mp_KED)	56Fe (mp_KED)	57Fe (mp_KED)	59Co (mp_KED)	60Ni (mp_KED)	61Ni (mp_KED)	62Ni (mp_KED)
Intensity average	7,939,639 cps	970,099 cps	6,505,764 cps	8,566,283 cps	212,390 cps	11,473,621 cps	2,689,152 cps	122,639 cps	408,953 cps
Intensity per Run 1	7,922,990.3 cps	969,834.2 cps	6,500,313.7 cps	8,566,542.0 cps	212,419.8 cps	11,445,710.1 cps	2,686,709.3 cps	122,505.3 cps	411,527.0 cps
Intensity per Run 2	7,918,686.2 cps	971,959.1 cps	6,523,167.1 cps	8,565,284.7 cps	212,272.0 cps	11,514,271.3 cps	2,691,089.5 cps	123,268.0 cps	409,163.0 cps
Intensity per Run 3	7,965,572.1 cps	968,940.9 cps	6,505,088.2 cps	8,565,399.7 cps	212,228.8 cps	11,449,607.2 cps	2,690,042.8 cps	122,412.5 cps	407,190.4 cps
Intensity per Run 4	7,951,305.5 cps	969,661.7 cps	6,494,488.0 cps	8,567,906.2 cps	212,639.1 cps	11,484,896.6 cps	2,688,767.5 cps	122,372.1 cps	407,929.6 cps
Intensity RSD	0.3 %	0.1 %	0.2 %	0.0 %	0.1 %	0.3 %	0.1 %	0.3 %	0.5 %

Category	63Cu (mp_KED)	65Cu (mp_KED)	95Mo (mp_KED)	97Mo (mp_KED)
Intensity average	7,165,004 cps	3,489,667 cps	4,376,176 cps	2,809,600 cps
Intensity per Run 1	7,185,261.4 cps	3,491,564.0 cps	4,371,416.8 cps	2,802,516.8 cps
Intensity per Run 2	7,183,522.6 cps	3,488,186.1 cps	4,382,992.0 cps	2,800,912.6 cps
Intensity per Run 3	7,157,293.2 cps	3,484,231.5 cps	4,377,157.1 cps	2,822,881.7 cps
Intensity per Run 4	7,133,937.6 cps	3,494,685.6 cps	4,373,138.0 cps	2,812,090.2 cps
Intensity RSD	0.3 %	0.1 %	0.1 %	0.4 %

Intensities

21-Dec-23 17:15:38



Instrument Name	Serial Number
iCAP RQ	Undefined

LabBook	LabBook Path
2023_12_21_M94_CrMnFeCoNiCu_SGoe-mtr.imexp	_Application Data\Workspace\LabBooks

Analysis index: 11
Analysis label: M28Ru 10 ppb 1500ml HNO3 in 50ml 27.10.2023 mtr

Analysis started at: 21-Dec-23 14:00:15
User name: THERMOF-6VBH8PN\ICPMS-User

Category	52Cr (mp_KED)	53Cr (mp_KED)	55Mn (mp_KED)	56Fe (mp_KED)	57Fe (mp_KED)	59Co (mp_KED)	60Ni (mp_KED)	61Ni (mp_KED)	62Ni (mp_KED)	63Cu (mp_KED)
Intensity average	933,427 cps	114,629 cps	681,272 cps	1,318,886 cps	32,435 cps	1,188,541 cps	289,656 cps	13,272 cps	44,468 cps	765,446 cps
Intensity per Run 1	938,604.5 cps	115,151.9 cps	684,960.4 cps	1,320,302.6 cps	32,586.6 cps	1,196,409.5 cps	292,610.1 cps	13,408.3 cps	44,618.6 cps	770,049.9 cps
Intensity per Run 2	927,058.4 cps	114,095.3 cps	675,430.2 cps	1,312,546.1 cps	32,159.6 cps	1,181,826.0 cps	286,373.9 cps	13,254.1 cps	44,626.8 cps	760,943.4 cps
Intensity per Run 3	932,477.4 cps	114,248.6 cps	678,820.5 cps	1,320,769.2 cps	32,357.0 cps	1,187,390.9 cps	289,826.9 cps	13,104.9 cps	44,546.5 cps	766,506.0 cps
Intensity per Run 4	935,568.4 cps	115,019.8 cps	685,875.4 cps	1,321,927.4 cps	32,638.8 cps	1,188,538.3 cps	289,812.9 cps	13,322.2 cps	44,078.9 cps	764,286.5 cps
Intensity RSD	0.5 %	0.5 %	0.7 %	0.3 %	0.7 %	0.5 %	0.9 %	1.0 %	0.6 %	0.5 %

Category	65Cu (mp_KED)	95Mo (mp_KED)	97Mo (mp_KED)
Intensity average	374,835 cps	497,895 cps	323,679 cps
Intensity per Run 1	377,057.2 cps	501,009.0 cps	324,323.1 cps
Intensity per Run 2	373,128.4 cps	496,743.9 cps	322,560.1 cps
Intensity per Run 3	375,375.6 cps	496,564.1 cps	323,656.7 cps
Intensity per Run 4	373,776.9 cps	497,262.9 cps	324,175.5 cps
Intensity RSD	0.5 %	0.4 %	0.2 %

Intensities

21-Dec-23 17:15:38



Instrument Name	Serial Number
iCAP RQ	Undefined

LabBook	LabBook Path
2023_12_21_M94_CrMnFeCoNiCu_SGoe-mtr.imexp	_Application Data\Workspace\LabBooks

Analysis index: 12 Analysis started at: 21-Dec-23 14:05:24
Analysis label: Rinse HNO3 2% User name: THERMOF-6VBH8PNICPMS-User

Category	52Cr (mp_KED)	53Cr (mp_KED)	55Mn (mp_KED)	56Fe (mp_KED)	57Fe (mp_KED)	59Co (mp_KED)	60Ni (mp_KED)	61Ni (mp_KED)	62Ni (mp_KED)	63Cu (mp_KED)
Intensity average	740 cps	191 cps	692 cps	20,951 cps	273 cps	806 cps	836 cps	33 cps	142 cps	5,036 cps
Intensity per Run 1	714.0 cps	165.0 cps	760.0 cps	20,825.5 cps	285.0 cps	857.0 cps	876.0 cps	31.0 cps	154.0 cps	5,090.1 cps
Intensity per Run 2	757.0 cps	201.0 cps	651.0 cps	20,892.6 cps	231.0 cps	783.0 cps	820.0 cps	38.0 cps	127.0 cps	5,033.0 cps
Intensity per Run 3	754.0 cps	218.0 cps	655.0 cps	20,959.7 cps	270.0 cps	796.0 cps	825.0 cps	23.0 cps	129.0 cps	4,988.0 cps
Intensity per Run 4	733.0 cps	179.0 cps	700.0 cps	21,127.0 cps	305.0 cps	789.0 cps	824.0 cps	41.0 cps	159.0 cps	5,034.0 cps
Intensity RSD	2.7 %	12.3 %	7.3 %	0.6 %	11.5 %	4.2 %	3.2 %	24.1 %	11.7 %	0.8 %

Category	65Cu (mp_KED)	95Mo (mp_KED)	97Mo (mp_KED)
Intensity average	2,423 cps	20,353 cps	13,293 cps
Intensity per Run 1	2,439.3 cps	20,138.3 cps	13,266.1 cps
Intensity per Run 2	2,480.3 cps	20,011.1 cps	12,729.6 cps
Intensity per Run 3	2,413.2 cps	21,144.0 cps	14,047.0 cps
Intensity per Run 4	2,361.2 cps	20,119.3 cps	13,131.0 cps
Intensity RSD	2.1 %	2.6 %	4.1 %

Intensities

21-Dec-23 17:15:38



Instrument Name	Serial Number
iCAP RQ	Undefined

LabBook	LabBook Path
2023_12_21_M94_CrMnFeCoNiCu_SGoe-mtr.imexp	_Application Data\Workspace\LabBooks

Analysis index: 13
Analysis label: RZE-001 - 0.1mol/L KOH post OER 5h 10s - 0.1%
Analysis started at: 21-Dec-23 14:10:34
User name: THERMOF-6VBH8PN\ICPMS-User

Category	52Cr (mp_KED)	53Cr (mp_KED)	55Mn (mp_KED)	56Fe (mp_KED)	57Fe (mp_KED)	59Co (mp_KED)	60Ni (mp_KED)	61Ni (mp_KED)	62Ni (mp_KED)	63Cu (mp_KED)
Intensity average	1,626 cps	404 cps	696 cps	18,704 cps	231 cps	755 cps	568 cps	27 cps	82 cps	2,173 cps
Intensity per Run 1	1,602.1 cps	382.0 cps	685.0 cps	18,624.0 cps	242.0 cps	728.0 cps	530.0 cps	24.0 cps	86.0 cps	2,257.2 cps
Intensity per Run 2	1,546.1 cps	427.0 cps	748.0 cps	18,569.9 cps	216.0 cps	772.0 cps	575.0 cps	26.0 cps	76.0 cps	2,116.2 cps
Intensity per Run 3	1,672.1 cps	405.0 cps	657.0 cps	18,749.2 cps	221.0 cps	769.0 cps	590.0 cps	34.0 cps	68.0 cps	2,177.2 cps
Intensity per Run 4	1,682.1 cps	401.0 cps	694.0 cps	18,871.3 cps	245.0 cps	749.0 cps	577.0 cps	25.0 cps	97.0 cps	2,140.2 cps
Intensity RSD	3.9 %	4.6 %	5.5 %	0.7 %	6.3 %	2.7 %	4.6 %	16.8 %	15.4 %	2.8 %

Category	65Cu (mp_KED)	95Mo (mp_KED)	97Mo (mp_KED)
Intensity average	1,084 cps	9,686 cps	6,329 cps
Intensity per Run 1	1,109.1 cps	8,943.2 cps	5,904.4 cps
Intensity per Run 2	1,125.1 cps	9,428.6 cps	6,207.6 cps
Intensity per Run 3	1,042.0 cps	10,234.2 cps	6,570.8 cps
Intensity per Run 4	1,060.0 cps	10,139.2 cps	6,634.8 cps
Intensity RSD	3.6 %	6.3 %	5.4 %

Intensities

21-Dec-23 17:15:38



Instrument Name	Serial Number
iCAP RQ	Undefined

LabBook	LabBook Path
2023_12_21_M94_CrMnFeCoNiCu_SGoe-mtr.imexp	_Application Data\Workspace\LabBooks

Analysis index: 14 Analysis started at: 21-Dec-23 14:15:42
Analysis label: RZE-001 - 0.1mol/L KOH post OER 5h 10s - 1% User name: THERMOF-6VBH8PN\ICPMS-User

Category	52Cr (mp_KED)	53Cr (mp_KED)	55Mn (mp_KED)	56Fe (mp_KED)	57Fe (mp_KED)	59Co (mp_KED)	60Ni (mp_KED)	61Ni (mp_KED)	62Ni (mp_KED)	63Cu (mp_KED)
Intensity average	12,335 cps	2,613 cps	5,090 cps	37,427 cps	642 cps	2,276 cps	1,262 cps	57 cps	194 cps	6,714 cps
Intensity per Run 1	12,233.0 cps	2,617.3 cps	5,119.1 cps	36,974.8 cps	667.0 cps	2,284.2 cps	1,191.1 cps	42.0 cps	176.0 cps	6,791.9 cps
Intensity per Run 2	12,384.2 cps	2,633.3 cps	5,055.0 cps	37,467.4 cps	621.0 cps	2,320.2 cps	1,234.1 cps	71.0 cps	195.0 cps	6,666.8 cps
Intensity per Run 3	12,271.1 cps	2,545.3 cps	5,110.1 cps	37,516.5 cps	652.0 cps	2,328.2 cps	1,321.1 cps	58.0 cps	206.0 cps	6,794.9 cps
Intensity per Run 4	12,450.3 cps	2,655.3 cps	5,074.1 cps	37,750.2 cps	626.0 cps	2,172.2 cps	1,303.1 cps	56.0 cps	198.0 cps	6,600.8 cps
Intensity RSD	0.8 %	1.8 %	0.6 %	0.9 %	3.4 %	3.2 %	4.8 %	20.9 %	6.6 %	1.4 %

Category	65Cu (mp_KED)	95Mo (mp_KED)	97Mo (mp_KED)
Intensity average	3,306 cps	75,279 cps	48,785 cps
Intensity per Run 1	3,317.5 cps	74,541.0 cps	48,336.5 cps
Intensity per Run 2	3,309.5 cps	75,116.6 cps	48,863.7 cps
Intensity per Run 3	3,294.4 cps	75,426.4 cps	48,810.6 cps
Intensity per Run 4	3,301.5 cps	76,031.0 cps	49,127.6 cps
Intensity RSD	0.3 %	0.8 %	0.7 %

Intensities

21-Dec-23 17:15:38



Instrument Name	Serial Number
iCAP RQ	Undefined

LabBook	LabBook Path
2023_12_21_M94_CrMnFeCoNiCu_SGoe-mtr.imexp	_Application Data\Workspace\LabBooks

Analysis index: 15
Analysis label: RZE-001 - 0.1mol/L KOH post OER 5h 10s - 10%
Analysis started at: 21-Dec-23 14:20:49
User name: THERMOF-6VBH8PNICPMS-User

Category	52Cr (mp_KED)	53Cr (mp_KED)	55Mn (mp_KED)	56Fe (mp_KED)	57Fe (mp_KED)	59Co (mp_KED)	60Ni (mp_KED)	61Ni (mp_KED)	62Ni (mp_KED)	63Cu (mp_KED)
Intensity average	132,859 cps	34,972 cps	59,320 cps	222,532 cps	4,714 cps	17,439 cps	7,482 cps	352 cps	1,131 cps	48,136 cps
Intensity per Run 1	131,227.8 cps	34,833.9 cps	58,768.4 cps	221,811.6 cps	4,817.9 cps	17,359.1 cps	7,460.3 cps	353.0 cps	1,160.1 cps	48,305.5 cps
Intensity per Run 2	132,231.3 cps	35,147.8 cps	59,198.5 cps	221,955.7 cps	4,681.9 cps	17,420.2 cps	7,431.2 cps	352.0 cps	1,181.1 cps	47,776.4 cps
Intensity per Run 3	134,451.0 cps	35,330.4 cps	59,790.3 cps	223,428.3 cps	4,709.9 cps	17,555.4 cps	7,562.3 cps	348.0 cps	1,087.1 cps	48,650.7 cps
Intensity per Run 4	133,524.4 cps	34,577.2 cps	59,523.9 cps	222,932.9 cps	4,647.9 cps	17,420.3 cps	7,475.3 cps	356.0 cps	1,094.1 cps	47,810.5 cps
Intensity RSD	1.1 %	1.0 %	0.7 %	0.3 %	1.6 %	0.5 %	0.8 %	0.9 %	4.2 %	0.9 %

Category	65Cu (mp_KED)	95Mo (mp_KED)	97Mo (mp_KED)
Intensity average	23,793 cps	11,952 cps	7,552 cps
Intensity per Run 1	23,838.8 cps	11,284.1 cps	7,310.2 cps
Intensity per Run 2	23,524.2 cps	11,745.6 cps	7,253.1 cps
Intensity per Run 3	24,294.7 cps	12,116.9 cps	7,891.5 cps
Intensity per Run 4	23,513.2 cps	12,661.5 cps	7,753.4 cps
Intensity RSD	1.5 %	4.9 %	4.2 %

Intensities

21-Dec-23 17:15:38



Instrument Name	Serial Number
iCAP RQ	Undefined

LabBook	LabBook Path
2023_12_21_M94_CrMnFeCoNiCu_SGoe-mtr.imexp	_Application Data\Workspace\LabBooks

Analysis index: 16
Analysis label: RZE-001 - 0.1mol/L KOH post OER 5h 10s - 40%

Analysis started at: 21-Dec-23 14:25:56
User name: THERMOF-6VBH8PNICPMS-User

Category	52Cr (mp_KED)	53Cr (mp_KED)	55Mn (mp_KED)	56Fe (mp_KED)	57Fe (mp_KED)	59Co (mp_KED)	60Ni (mp_KED)	61Ni (mp_KED)	62Ni (mp_KED)	63Cu (mp_KED)
Intensity average	181,139 cps	106,273 cps	77,705 cps	206,405 cps	5,207 cps	22,631 cps	8,931 cps	437 cps	1,369 cps	54,207 cps
Intensity per Run 1	204,007.0 cps	112,595.9 cps	86,273.0 cps	227,132.1 cps	5,860.5 cps	25,448.0 cps	10,263.6 cps	500.0 cps	1,560.1 cps	62,980.5 cps
Intensity per Run 2	89,137.0 cps	64,081.8 cps	33,772.8 cps	92,432.3 cps	2,517.3 cps	11,297.3 cps	4,871.2 cps	249.0 cps	743.0 cps	30,681.5 cps
Intensity per Run 3	298,142.1 cps	155,812.5 cps	137,664.3 cps	360,855.4 cps	8,659.0 cps	36,489.8 cps	13,602.7 cps	656.0 cps	2,043.2 cps	80,243.0 cps
Intensity per Run 4	133,269.7 cps	92,602.7 cps	53,110.5 cps	145,198.9 cps	3,790.7 cps	17,290.8 cps	6,987.2 cps	344.0 cps	1,129.1 cps	42,921.2 cps
Intensity RSD	50.4 %	36.3 %	58.5 %	56.7 %	51.5 %	48.2 %	42.8 %	40.9 %	40.9 %	40.4 %

Category	65Cu (mp_KED)	95Mo (mp_KED)	97Mo (mp_KED)
Intensity average	26,738 cps	7,474 cps	4,454 cps
Intensity per Run 1	30,897.7 cps	8,639.3 cps	5,026.1 cps
Intensity per Run 2	15,016.0 cps	3,931.8 cps	2,239.3 cps
Intensity per Run 3	39,683.9 cps	11,867.5 cps	7,136.8 cps
Intensity per Run 4	21,352.9 cps	5,456.4 cps	3,414.6 cps
Intensity RSD	40.5 %	47.2 %	47.6 %

Intensities

21-Dec-23 17:15:38



Instrument Name	Serial Number
iCAP RQ	Undefined

LabBook	LabBook Path
2023_12_21_M94_CrMnFeCoNiCu_SGoe-mtr.imexp	_Application Data\Workspace\LabBooks

Analysis index: 17 Analysis started at: 21-Dec-23 14:31:05
Analysis label: Rinse HNO3 2% User name: THERMOF-6VBH8PNICPMS-User

Category	52Cr (mp_KED)	53Cr (mp_KED)	55Mn (mp_KED)	56Fe (mp_KED)	57Fe (mp_KED)	59Co (mp_KED)	60Ni (mp_KED)	61Ni (mp_KED)	62Ni (mp_KED)	63Cu (mp_KED)
Intensity average	698 cps	1,239 cps	762 cps	30,738 cps	486 cps	896 cps	957 cps	45 cps	146 cps	8,991 cps
Intensity per Run 1	685.0 cps	1,284.1 cps	747.0 cps	30,971.5 cps	419.0 cps	954.0 cps	977.0 cps	40.0 cps	140.0 cps	9,104.4 cps
Intensity per Run 2	721.0 cps	1,250.1 cps	788.0 cps	30,592.7 cps	700.4 cps	852.0 cps	975.0 cps	42.0 cps	132.0 cps	8,934.2 cps
Intensity per Run 3	719.0 cps	1,203.1 cps	743.0 cps	30,495.5 cps	406.0 cps	861.0 cps	1,000.0 cps	41.0 cps	161.0 cps	9,010.3 cps
Intensity per Run 4	665.0 cps	1,217.1 cps	768.0 cps	30,893.4 cps	419.0 cps	917.0 cps	874.0 cps	55.0 cps	152.0 cps	8,916.2 cps
Intensity RSD	3.9 %	2.9 %	2.7 %	0.7 %	29.4 %	5.4 %	5.9 %	15.8 %	8.8 %	1.0 %

Category	65Cu (mp_KED)	95Mo (mp_KED)	97Mo (mp_KED)
Intensity average	4,348 cps	4,088 cps	2,615 cps
Intensity per Run 1	4,281.8 cps	3,636.5 cps	2,284.2 cps
Intensity per Run 2	4,377.8 cps	4,001.7 cps	2,574.3 cps
Intensity per Run 3	4,424.8 cps	4,309.8 cps	2,728.3 cps
Intensity per Run 4	4,307.8 cps	4,402.8 cps	2,872.3 cps
Intensity RSD	1.5 %	8.5 %	9.6 %

Intensities

21-Dec-23 17:15:38



Instrument Name	Serial Number
iCAP RQ	Undefined

LabBook	LabBook Path
2023_12_21_M94_CrMnFeCoNiCu_SGoe-mtr.imexp	_Application Data\Workspace\LabBooks

Analysis index: 18

Analysis label: 548 Moleculite-MnCu-7.88mg-Timothy Oppotsch - 0.01%

Analysis started at: 21-Dec-23 14:36:11

User name: THERMOF-6VBH8PNICPMS-User

Category	52Cr (mp_KED)	53Cr (mp_KED)	55Mn (mp_KED)	56Fe (mp_KED)	57Fe (mp_KED)	59Co (mp_KED)	60Ni (mp_KED)	61Ni (mp_KED)	62Ni (mp_KED)	63Cu (mp_KED)
Intensity average	766 cps	903 cps	2,120,441 cps	93,547 cps	2,021 cps	1,643 cps	4,109 cps	196 cps	616 cps	1,422,175 cps
Intensity per Run 1	703.0 cps	889.0 cps	2,136,856.4 cps	94,934.0 cps	2,053.2 cps	1,672.1 cps	4,089.7 cps	196.0 cps	628.0 cps	1,434,896.0 cps
Intensity per Run 2	776.0 cps	971.1 cps	2,102,215.2 cps	92,550.2 cps	1,902.2 cps	1,629.1 cps	4,113.7 cps	193.0 cps	614.0 cps	1,411,097.0 cps
Intensity per Run 3	800.0 cps	861.0 cps	2,120,992.2 cps	93,080.3 cps	2,169.4 cps	1,711.1 cps	4,082.7 cps	212.0 cps	647.0 cps	1,426,895.9 cps
Intensity per Run 4	786.0 cps	892.0 cps	2,121,698.4 cps	93,623.5 cps	1,960.2 cps	1,558.1 cps	4,151.7 cps	183.0 cps	576.0 cps	1,415,809.6 cps
Intensity RSD	5.7 %	5.2 %	0.7 %	1.1 %	5.8 %	4.0 %	0.8 %	6.1 %	4.9 %	0.8 %

Category	65Cu (mp_KED)	95Mo (mp_KED)	97Mo (mp_KED)
Intensity average	695,476 cps	3,887 cps	2,560 cps
Intensity per Run 1	702,838.6 cps	3,464.5 cps	2,342.2 cps
Intensity per Run 2	691,171.9 cps	3,666.6 cps	2,532.3 cps
Intensity per Run 3	693,013.1 cps	4,223.7 cps	2,639.3 cps
Intensity per Run 4	694,879.8 cps	4,193.7 cps	2,725.3 cps
Intensity RSD	0.7 %	9.8 %	6.5 %

Intensities

21-Dec-23 17:15:38



Instrument Name	Serial Number
iCAP RQ	Undefined

LabBook	LabBook Path
2023_12_21_M94_CrMnFeCoNiCu_SGoe-mtr.imexp	_Application Data\Workspace\LabBooks

Analysis index: 19 Analysis started at: 21-Dec-23 14:41:17
Analysis label: 548 Moleculite-MnCu-7.88mg-Timothy Oppotsch - 0.1% User name: THERMOF-6VBH8PN\ICPMS-User

Category	52Cr (mp_KED)	53Cr (mp_KED)	55Mn (mp_KED)	56Fe (mp_KED)	57Fe (mp_KED)	59Co (mp_KED)	60Ni (mp_KED)	61Ni (mp_KED)	62Ni (mp_KED)
Intensity average	2,425 cps	909 cps	20,893,835 cps	305,049 cps	7,222 cps	10,807 cps	35,363 cps	1,599 cps	5,350 cps
Intensity per Run 1	2,481.3 cps	882.0 cps	20,875,900.2 cps	306,080.0 cps	7,115.1 cps	10,685.6 cps	35,379.2 cps	1,615.1 cps	5,359.2 cps
Intensity per Run 2	2,356.2 cps	891.0 cps	20,852,982.6 cps	305,014.2 cps	7,304.2 cps	10,878.8 cps	35,155.5 cps	1,582.1 cps	5,339.2 cps
Intensity per Run 3	2,528.3 cps	907.0 cps	20,937,880.4 cps	305,936.3 cps	7,296.2 cps	10,708.6 cps	35,732.2 cps	1,650.1 cps	5,347.2 cps
Intensity per Run 4	2,336.2 cps	957.0 cps	20,908,575.4 cps	303,164.5 cps	7,174.1 cps	10,955.9 cps	35,183.7 cps	1,547.1 cps	5,354.2 cps
Intensity RSD	3.9 %	3.7 %	0.2 %	0.4 %	1.3 %	1.2 %	0.8 %	2.8 %	0.2 %

Category	63Cu (mp_KED)	65Cu (mp_KED)	95Mo (mp_KED)	97Mo (mp_KED)
Intensity average	14,300,148 cps	6,892,387 cps	80,984 cps	52,481 cps
Intensity per Run 1	14,256,653.3 cps	6,896,016.7 cps	80,690.2 cps	52,493.3 cps
Intensity per Run 2	14,348,981.3 cps	6,903,138.7 cps	81,194.5 cps	52,937.2 cps
Intensity per Run 3	14,328,115.6 cps	6,914,526.5 cps	81,349.6 cps	52,468.3 cps
Intensity per Run 4	14,266,842.5 cps	6,855,866.5 cps	80,700.3 cps	52,023.5 cps
Intensity RSD	0.3 %	0.4 %	0.4 %	0.7 %

Intensities

21-Dec-23 17:15:38



Instrument Name	Serial Number
iCAP RQ	Undefined

LabBook	LabBook Path
2023_12_21_M94_CrMnFeCoNiCu_SGoe-mtr.imexp	_Application Data\Workspace\LabBooks

Analysis index: 20
Analysis label: 548 Molecule-MnCu-7.88mg-Timothy Oppotsch - 1%
Analysis started at: 21-Dec-23 14:46:24
User name: THERMOF-6VBH8PNICPMS-User

Category	52Cr (mp_KED)	53Cr (mp_KED)	55Mn (mp_KED)	56Fe (mp_KED)	57Fe (mp_KED)	59Co (mp_KED)	60Ni (mp_KED)	61Ni (mp_KED)	62Ni (mp_KED)
Intensity average	12,919 cps	2,008 cps	202,011,347 cps	2,558,022 cps	62,976 cps	101,349 cps	334,612 cps	15,316 cps	51,121 cps
Intensity per Run 1	12,934.8 cps	2,041.2 cps	205,021,557.2 cps	2,579,748.6 cps	63,608.9 cps	101,653.8 cps	338,102.6 cps	15,289.4 cps	51,432.9 cps
Intensity per Run 2	12,963.8 cps	2,071.2 cps	203,334,410.3 cps	2,573,374.2 cps	63,089.3 cps	102,116.5 cps	336,000.3 cps	15,417.6 cps	51,096.5 cps
Intensity per Run 3	12,886.7 cps	1,970.2 cps	201,624,305.7 cps	2,554,770.4 cps	63,154.7 cps	101,079.1 cps	333,304.3 cps	15,227.3 cps	50,912.8 cps
Intensity per Run 4	12,892.7 cps	1,951.2 cps	198,065,114.5 cps	2,524,192.9 cps	62,050.0 cps	100,545.0 cps	331,041.0 cps	15,329.5 cps	51,043.4 cps
Intensity RSD	0.3 %	2.8 %	1.5 %	1.0 %	1.0 %	0.7 %	0.9 %	0.5 %	0.4 %

Category	63Cu (mp_KED)	65Cu (mp_KED)	95Mo (mp_KED)	97Mo (mp_KED)
Intensity average	135,971,456 cps	65,768,213 cps	3,867 cps	2,479 cps
Intensity per Run 1	137,606,856.7 cps	66,552,706.7 cps	3,625.5 cps	2,326.2 cps
Intensity per Run 2	136,540,054.7 cps	66,107,254.6 cps	3,744.6 cps	2,385.2 cps
Intensity per Run 3	135,640,905.3 cps	65,529,432.9 cps	3,959.6 cps	2,554.3 cps
Intensity per Run 4	134,098,007.4 cps	64,883,458.3 cps	4,139.7 cps	2,648.3 cps
Intensity RSD	1.1 %	1.1 %	5.9 %	6.0 %

Intensities

21-Dec-23 17:15:38



Instrument Name	Serial Number
iCAP RQ	Undefined

LabBook	LabBook Path
2023_12_21_M94_CrMnFeCoNiCu_SGoe-mtr.imexp	_Application Data\Workspace\LabBooks

Analysis index: 21 Analysis started at: 21-Dec-23 14:51:32
Analysis label: Rinse HNO3 2% User name: THERMOF-6VBH8PNICPMS-User

Category	52Cr (mp_KED)	53Cr (mp_KED)	55Mn (mp_KED)	56Fe (mp_KED)	57Fe (mp_KED)	59Co (mp_KED)	60Ni (mp_KED)	61Ni (mp_KED)	62Ni (mp_KED)	63Cu (mp_KED)
Intensity average	539 cps	421 cps	8,489 cps	24,937 cps	404 cps	528 cps	838 cps	38 cps	120 cps	15,005 cps
Intensity per Run 1	522.0 cps	439.0 cps	9,288.5 cps	24,905.0 cps	630.3 cps	503.0 cps	822.0 cps	34.0 cps	119.0 cps	15,931.2 cps
Intensity per Run 2	505.0 cps	415.0 cps	8,157.7 cps	24,756.7 cps	327.0 cps	532.0 cps	843.0 cps	32.0 cps	102.0 cps	14,908.0 cps
Intensity per Run 3	523.0 cps	417.0 cps	8,197.7 cps	24,518.2 cps	320.0 cps	557.0 cps	793.0 cps	40.0 cps	135.0 cps	14,800.8 cps
Intensity per Run 4	604.0 cps	414.0 cps	8,310.8 cps	25,568.3 cps	340.0 cps	520.0 cps	892.0 cps	44.0 cps	125.0 cps	14,378.3 cps
Intensity RSD	8.3 %	2.8 %	6.3 %	1.8 %	37.3 %	4.3 %	5.0 %	14.7 %	11.5 %	4.4 %

Category	65Cu (mp_KED)	95Mo (mp_KED)	97Mo (mp_KED)
Intensity average	7,388 cps	2,922 cps	1,886 cps
Intensity per Run 1	7,898.5 cps	2,636.3 cps	1,667.1 cps
Intensity per Run 2	7,233.1 cps	2,838.3 cps	1,765.1 cps
Intensity per Run 3	7,292.2 cps	2,969.4 cps	1,947.2 cps
Intensity per Run 4	7,129.1 cps	3,244.4 cps	2,163.2 cps
Intensity RSD	4.7 %	8.7 %	11.6 %

Intensities

21-Dec-23 17:15:38



Instrument Name	Serial Number
iCAP RQ	Undefined

LabBook	LabBook Path
2023_12_21_M94_CrMnFeCoNiCu_SGoe-mtr.imexp	_Application Data\Workspace\LabBooks

Analysis index: 22 Analysis started at: 21-Dec-23 14:56:38
Analysis label: Blind1 - Aufschluss -10% User name: THERMOF-6VBH8PN\ICPMS-User

Category	52Cr (mp_KED)	53Cr (mp_KED)	55Mn (mp_KED)	56Fe (mp_KED)	57Fe (mp_KED)	59Co (mp_KED)	60Ni (mp_KED)	61Ni (mp_KED)	62Ni (mp_KED)	63Cu (mp_KED)
Intensity average	10,940 cps	1,646 cps	2,039 cps	45,888 cps	861 cps	997 cps	6,076 cps	272 cps	915 cps	9,062 cps
Intensity per Run 1	11,099.0 cps	1,687.1 cps	2,071.2 cps	45,959.7 cps	898.0 cps	1,009.0 cps	6,234.6 cps	260.0 cps	874.0 cps	8,998.3 cps
Intensity per Run 2	10,831.8 cps	1,639.1 cps	2,059.2 cps	45,800.0 cps	847.0 cps	989.0 cps	6,096.5 cps	275.0 cps	933.0 cps	9,125.4 cps
Intensity per Run 3	10,926.8 cps	1,616.1 cps	2,087.2 cps	46,223.7 cps	856.0 cps	972.0 cps	5,978.5 cps	269.0 cps	924.0 cps	9,224.4 cps
Intensity per Run 4	10,900.8 cps	1,640.1 cps	1,937.2 cps	45,568.3 cps	842.0 cps	1,019.0 cps	5,995.5 cps	283.0 cps	928.0 cps	8,901.2 cps
Intensity RSD	1.0 %	1.8 %	3.4 %	0.6 %	3.0 %	2.1 %	1.9 %	3.6 %	3.0 %	1.6 %

Category	65Cu (mp_KED)	95Mo (mp_KED)	97Mo (mp_KED)
Intensity average	4,420 cps	2,927 cps	1,907 cps
Intensity per Run 1	4,466.8 cps	2,663.3 cps	1,704.1 cps
Intensity per Run 2	4,422.8 cps	2,914.4 cps	1,899.2 cps
Intensity per Run 3	4,429.8 cps	3,038.4 cps	2,004.2 cps
Intensity per Run 4	4,361.8 cps	3,091.4 cps	2,019.2 cps
Intensity RSD	1.0 %	6.5 %	7.6 %

Intensities

21-Dec-23 17:15:38



Instrument Name	Serial Number
iCAP RQ	Undefined

LabBook	LabBook Path
2023_12_21_M94_CrMnFeCoNiCu_SGoe-mtr.imexp	_Application Data\Workspace\LabBooks

Analysis index: 23 Analysis started at: 21-Dec-23 15:01:48
 Analysis label: Blind2 - Aufschluss -10% User name: THERMOF-6VBH8PN\ICPMS-User

Category	52Cr (mp_KED)	53Cr (mp_KED)	55Mn (mp_KED)	56Fe (mp_KED)	57Fe (mp_KED)	59Co (mp_KED)	60Ni (mp_KED)	61Ni (mp_KED)	62Ni (mp_KED)	63Cu (mp_KED)
Intensity average	85,283 cps	10,807 cps	3,528 cps	358,963 cps	8,524 cps	2,330 cps	23,041 cps	1,030 cps	3,467 cps	8,625 cps
Intensity per Run 1	84,420.6 cps	10,675.6 cps	3,588.5 cps	356,920.8 cps	8,467.9 cps	2,358.2 cps	22,772.8 cps	1,015.0 cps	3,435.5 cps	8,591.0 cps
Intensity per Run 2	85,966.2 cps	10,991.9 cps	3,577.5 cps	360,637.2 cps	8,670.0 cps	2,341.2 cps	23,465.1 cps	1,036.0 cps	3,554.5 cps	8,827.2 cps
Intensity per Run 3	85,255.2 cps	10,698.6 cps	3,501.5 cps	360,041.7 cps	8,418.9 cps	2,345.2 cps	22,998.2 cps	1,073.1 cps	3,369.5 cps	8,485.9 cps
Intensity per Run 4	85,490.0 cps	10,861.8 cps	3,444.5 cps	358,254.0 cps	8,541.0 cps	2,277.2 cps	22,927.1 cps	996.0 cps	3,508.5 cps	8,596.0 cps
Intensity RSD	0.8 %	1.4 %	1.9 %	0.5 %	1.3 %	1.6 %	1.3 %	3.2 %	2.3 %	1.7 %

Category	65Cu (mp_KED)	95Mo (mp_KED)	97Mo (mp_KED)
Intensity average	4,227 cps	11,800 cps	7,725 cps
Intensity per Run 1	4,313.8 cps	11,536.4 cps	7,444.2 cps
Intensity per Run 2	4,215.7 cps	11,757.6 cps	7,687.4 cps
Intensity per Run 3	4,181.7 cps	11,902.7 cps	7,870.5 cps
Intensity per Run 4	4,195.7 cps	12,002.8 cps	7,899.5 cps
Intensity RSD	1.4 %	1.7 %	2.7 %

Intensities

21-Dec-23 17:15:38



Instrument Name	Serial Number
iCAP RQ	Undefined

LabBook	LabBook Path
2023_12_21_M94_CrMnFeCoNiCu_SGoe-mtr.imexp	_Application Data\Workspace\LabBooks

Analysis index: 25 Analysis started at: 21-Dec-23 15:12:05
 Analysis label: Rinse HNO3 2% User name: THERMOF-6VBH8PNICPMS-User

Category	52Cr (mp_KED)	53Cr (mp_KED)	55Mn (mp_KED)	56Fe (mp_KED)	57Fe (mp_KED)	59Co (mp_KED)	60Ni (mp_KED)	61Ni (mp_KED)	62Ni (mp_KED)	63Cu (mp_KED)
Intensity average	912 cps	374 cps	1,133 cps	24,047 cps	297 cps	439 cps	800 cps	41 cps	128 cps	5,999 cps
Intensity per Run 1	859.0 cps	348.0 cps	1,142.1 cps	23,889.0 cps	291.0 cps	444.0 cps	858.0 cps	37.0 cps	130.0 cps	5,922.4 cps
Intensity per Run 2	867.0 cps	403.0 cps	1,117.1 cps	24,334.8 cps	300.0 cps	446.0 cps	782.0 cps	38.0 cps	118.0 cps	5,993.5 cps
Intensity per Run 3	935.0 cps	389.0 cps	1,132.1 cps	23,827.9 cps	312.0 cps	449.0 cps	795.0 cps	39.0 cps	120.0 cps	6,042.5 cps
Intensity per Run 4	988.0 cps	356.0 cps	1,139.1 cps	24,137.4 cps	285.0 cps	415.0 cps	763.0 cps	48.0 cps	142.0 cps	6,038.5 cps
Intensity RSD	6.7 %	7.0 %	1.0 %	1.0 %	4.0 %	3.6 %	5.1 %	12.5 %	8.6 %	0.9 %

Category	65Cu (mp_KED)	95Mo (mp_KED)	97Mo (mp_KED)
Intensity average	2,900 cps	2,198 cps	1,410 cps
Intensity per Run 1	2,832.3 cps	2,040.2 cps	1,333.1 cps
Intensity per Run 2	2,923.4 cps	2,103.2 cps	1,384.1 cps
Intensity per Run 3	2,933.4 cps	2,303.2 cps	1,436.1 cps
Intensity per Run 4	2,911.4 cps	2,346.2 cps	1,486.1 cps
Intensity RSD	1.6 %	6.8 %	4.7 %

Intensities

21-Dec-23 17:15:38



Instrument Name	Serial Number
iCAP RQ	Undefined

LabBook	LabBook Path
2023_12_21_M94_CrMnFeCoNiCu_SGoe-mtr.imexp	_Application Data\Workspace\LabBooks

Analysis index: 26 Analysis started at: 21-Dec-23 15:17:11
Analysis label: M28Ru 10 ppb 1500ml HNO3 in 50ml 27.10.2023 mtr User name: THERMOF-6VBH8PNICPMS-User

Category	52Cr (mp_KED)	53Cr (mp_KED)	55Mn (mp_KED)	56Fe (mp_KED)	57Fe (mp_KED)	59Co (mp_KED)	60Ni (mp_KED)	61Ni (mp_KED)	62Ni (mp_KED)	63Cu (mp_KED)
Intensity average	1,051,838 cps	128,374 cps	765,422 cps	1,479,161 cps	36,448 cps	1,330,482 cps	323,501 cps	14,749 cps	49,423 cps	853,819 cps
Intensity per Run 1	1,056,973.3 cps	128,874.1 cps	766,263.3 cps	1,481,885.6 cps	36,296.8 cps	1,330,044.8 cps	322,470.7 cps	14,855.9 cps	49,517.2 cps	854,353.7 cps
Intensity per Run 2	1,056,861.0 cps	129,136.5 cps	767,841.3 cps	1,480,842.3 cps	36,722.0 cps	1,343,225.5 cps	326,417.1 cps	14,647.6 cps	50,129.6 cps	859,199.5 cps
Intensity per Run 3	1,046,446.4 cps	127,818.1 cps	764,666.8 cps	1,481,854.8 cps	36,229.7 cps	1,328,091.7 cps	322,521.9 cps	14,812.8 cps	49,158.8 cps	850,833.4 cps
Intensity per Run 4	1,047,073.3 cps	127,665.9 cps	762,916.7 cps	1,472,063.0 cps	36,544.5 cps	1,320,565.6 cps	322,596.0 cps	14,677.7 cps	48,884.7 cps	850,889.3 cps
Intensity RSD	0.6 %	0.6 %	0.3 %	0.3 %	0.6 %	0.7 %	0.6 %	0.7 %	1.1 %	0.5 %

Category	65Cu (mp_KED)	95Mo (mp_KED)	97Mo (mp_KED)
Intensity average	417,639 cps	494,325 cps	319,604 cps
Intensity per Run 1	417,411.0 cps	496,371.6 cps	320,293.2 cps
Intensity per Run 2	420,749.9 cps	498,021.6 cps	322,258.2 cps
Intensity per Run 3	417,810.1 cps	492,073.1 cps	317,837.4 cps
Intensity per Run 4	414,583.3 cps	490,835.6 cps	318,027.2 cps
Intensity RSD	0.6 %	0.7 %	0.7 %

Intensities

21-Dec-23 17:15:38



Instrument Name	Serial Number
iCAP RQ	Undefined

LabBook	LabBook Path
2023_12_21_M94_CrMnFeCoNiCu_SGoe-mtr.imexp	_Application Data\Workspace\LabBooks

Analysis index: 27 Analysis started at: 21-Dec-23 15:22:21
Analysis label: Rinse HNO3 2% User name: THERMOF-6VBH8PNICPMS-User

Category	52Cr (mp_KED)	53Cr (mp_KED)	55Mn (mp_KED)	56Fe (mp_KED)	57Fe (mp_KED)	59Co (mp_KED)	60Ni (mp_KED)	61Ni (mp_KED)	62Ni (mp_KED)	63Cu (mp_KED)
Intensity average	652 cps	330 cps	1,089 cps	24,341 cps	314 cps	406 cps	845 cps	39 cps	121 cps	5,891 cps
Intensity per Run 1	613.0 cps	362.0 cps	1,133.1 cps	24,268.7 cps	282.0 cps	409.0 cps	831.0 cps	40.0 cps	124.0 cps	5,925.4 cps
Intensity per Run 2	625.0 cps	314.0 cps	1,058.0 cps	24,306.8 cps	340.0 cps	385.0 cps	830.0 cps	39.0 cps	112.0 cps	5,819.4 cps
Intensity per Run 3	678.0 cps	318.0 cps	1,047.0 cps	24,312.7 cps	309.0 cps	423.0 cps	875.0 cps	37.0 cps	119.0 cps	6,018.5 cps
Intensity per Run 4	693.0 cps	326.0 cps	1,118.1 cps	24,475.1 cps	323.0 cps	408.0 cps	844.0 cps	40.0 cps	129.0 cps	5,802.4 cps
Intensity RSD	6.0 %	6.6 %	3.9 %	0.4 %	7.8 %	3.9 %	2.5 %	3.6 %	6.0 %	1.7 %

Category	65Cu (mp_KED)	95Mo (mp_KED)	97Mo (mp_KED)
Intensity average	2,843 cps	7,019 cps	4,493 cps
Intensity per Run 1	2,803.3 cps	6,610.8 cps	4,224.7 cps
Intensity per Run 2	2,856.3 cps	7,105.1 cps	4,594.9 cps
Intensity per Run 3	2,857.3 cps	7,161.1 cps	4,613.9 cps
Intensity per Run 4	2,855.3 cps	7,199.1 cps	4,538.9 cps
Intensity RSD	0.9 %	3.9 %	4.0 %

Intensities

21-Dec-23 17:15:38



Instrument Name	Serial Number
iCAP RQ	Undefined

LabBook	LabBook Path
2023_12_21_M94_CrMnFeCoNiCu_SGoe-mtr.imexp	_Application Data\Workspace\LabBooks

Analysis index: 28 Analysis started at: 21-Dec-23 15:27:28
Analysis label: pure water User name: THERMOF-6VBH8PN\ICPMS-User

Category	52Cr (mp_KED)	53Cr (mp_KED)	55Mn (mp_KED)	56Fe (mp_KED)	57Fe (mp_KED)	59Co (mp_KED)	60Ni (mp_KED)	61Ni (mp_KED)	62Ni (mp_KED)	63Cu (mp_KED)
Intensity average	355 cps	286 cps	5,616 cps	14,933 cps	107 cps	366 cps	23,896 cps	1,109 cps	3,588 cps	23,966 cps
Intensity per Run 1	353.0 cps	288.0 cps	5,586.3 cps	15,288.5 cps	118.0 cps	357.0 cps	23,713.6 cps	1,124.1 cps	3,625.5 cps	23,733.6 cps
Intensity per Run 2	364.0 cps	288.0 cps	5,628.3 cps	15,278.4 cps	111.0 cps	348.0 cps	23,555.3 cps	1,096.1 cps	3,526.5 cps	23,640.5 cps
Intensity per Run 3	347.0 cps	306.0 cps	5,614.3 cps	14,675.7 cps	108.0 cps	399.0 cps	23,799.7 cps	1,088.1 cps	3,582.5 cps	24,337.9 cps
Intensity per Run 4	355.0 cps	263.0 cps	5,636.3 cps	14,488.5 cps	90.0 cps	359.0 cps	24,517.2 cps	1,126.1 cps	3,618.5 cps	24,151.5 cps
Intensity RSD	2.0 %	6.2 %	0.4 %	2.8 %	11.2 %	6.2 %	1.8 %	1.7 %	1.3 %	1.4 %

Category	65Cu (mp_KED)	95Mo (mp_KED)	97Mo (mp_KED)
Intensity average	11,668 cps	1,454 cps	949 cps
Intensity per Run 1	11,351.2 cps	1,482.1 cps	927.0 cps
Intensity per Run 2	11,566.4 cps	1,508.1 cps	975.0 cps
Intensity per Run 3	11,799.6 cps	1,365.1 cps	919.0 cps
Intensity per Run 4	11,953.8 cps	1,459.1 cps	975.0 cps
Intensity RSD	2.3 %	4.3 %	3.2 %

