

# Intensities

23-Feb-24 17:02:23



Instrument Name	Serial Number
iCAP RQ	Undefined

LabBook	LabBook Path
2024_02_22_M28RuPdRe_Ridha_Poettker-Menke_Sons-goe_mtr.imexp	_Application Data\Workspace\LabBooks

Analysis index: 1      Analysis started at: 22-Feb-24 11:51:17  
 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)
Intensity average	5,426 cps	1,004 cps	446 cps	74,762 cps	1,612 cps	365 cps	1,494 cps	71 cps	219 cps
Intensity per Run 1	5,291.1 cps	982.0 cps	448.0 cps	74,530.4 cps	1,602.1 cps	370.0 cps	1,525.1 cps	62.0 cps	209.0 cps
Intensity per Run 2	5,472.2 cps	995.0 cps	455.0 cps	75,117.9 cps	1,620.1 cps	365.0 cps	1,505.1 cps	70.0 cps	237.0 cps
Intensity per Run 3	5,470.2 cps	1,005.0 cps	442.0 cps	74,718.4 cps	1,610.1 cps	369.0 cps	1,492.1 cps	70.0 cps	215.0 cps
Intensity per Run 4	5,472.2 cps	1,034.0 cps	439.0 cps	74,681.0 cps	1,615.1 cps	355.0 cps	1,454.1 cps	80.0 cps	214.0 cps
Intensity RSD	1.7 %	2.2 %	1.6 %	0.3 %	0.5 %	1.9 %	2.0 %	10.5 %	5.7 %

Category	63Cu (mp_KED)	65Cu (mp_KED)	88Sr (mp_KED)	105Pd (mp_KED)
Intensity average	2,205 cps	1,086 cps	97 cps	5,986 cps
Intensity per Run 1	2,153.2 cps	1,063.1 cps	99.0 cps	5,844.1 cps
Intensity per Run 2	2,182.2 cps	1,072.0 cps	86.0 cps	6,413.9 cps
Intensity per Run 3	2,246.2 cps	1,108.1 cps	92.0 cps	5,719.3 cps
Intensity per Run 4	2,240.2 cps	1,100.1 cps	111.0 cps	5,965.5 cps
Intensity RSD	2.1 %	2.0 %	11.1 %	5.1 %

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Analysis index: 2      Analysis started at: 22-Feb-24 11:56:24  
 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)
Intensity average	5,376 cps	994 cps	475 cps	76,073 cps	1,626 cps	362 cps	1,478 cps	78 cps	225 cps
Intensity per Run 1	5,222.1 cps	990.0 cps	474.0 cps	75,822.9 cps	1,627.1 cps	373.0 cps	1,539.1 cps	72.0 cps	226.0 cps
Intensity per Run 2	5,263.1 cps	991.0 cps	455.0 cps	76,221.4 cps	1,688.1 cps	371.0 cps	1,400.1 cps	78.0 cps	233.0 cps
Intensity per Run 3	5,490.2 cps	995.0 cps	490.0 cps	75,663.1 cps	1,588.1 cps	322.0 cps	1,535.1 cps	67.0 cps	228.0 cps
Intensity per Run 4	5,530.3 cps	1,001.0 cps	481.0 cps	76,584.8 cps	1,600.1 cps	382.0 cps	1,436.1 cps	93.0 cps	214.0 cps
Intensity RSD	2.9 %	0.5 %	3.1 %	0.5 %	2.7 %	7.5 %	4.8 %	14.5 %	3.6 %

Category	63Cu (mp_KED)	65Cu (mp_KED)	88Sr (mp_KED)	105Pd (mp_KED)
Intensity average	2,191 cps	1,151 cps	88 cps	5,383 cps
Intensity per Run 1	2,098.2 cps	1,120.1 cps	77.0 cps	5,322.2 cps
Intensity per Run 2	2,122.2 cps	1,135.1 cps	86.0 cps	5,199.1 cps
Intensity per Run 3	2,273.2 cps	1,176.1 cps	99.0 cps	5,492.3 cps
Intensity per Run 4	2,270.2 cps	1,171.1 cps	91.0 cps	5,520.3 cps
Intensity RSD	4.3 %	2.4 %	10.4 %	2.8 %

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2024_02_22_M28RuPdRe_Ridha_Poettker-Menke_Sons-goe_mtr.imexp	_Application Data\Workspace\LabBooks

Analysis index: 3      Analysis started at: 22-Feb-24 12:01:31  
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)
Intensity average	5,478 cps	979 cps	472 cps	76,498 cps	1,643 cps	355 cps	1,521 cps	72 cps	229 cps
Intensity per Run 1	5,528.2 cps	1,020.0 cps	466.0 cps	77,082.9 cps	1,676.1 cps	353.0 cps	1,524.1 cps	66.0 cps	241.0 cps
Intensity per Run 2	5,452.2 cps	997.0 cps	464.0 cps	76,428.5 cps	1,629.1 cps	338.0 cps	1,535.1 cps	79.0 cps	212.0 cps
Intensity per Run 3	5,449.2 cps	962.0 cps	440.0 cps	76,154.2 cps	1,578.1 cps	363.0 cps	1,508.1 cps	76.0 cps	217.0 cps
Intensity per Run 4	5,481.2 cps	937.0 cps	519.0 cps	76,328.2 cps	1,690.1 cps	364.0 cps	1,515.1 cps	65.0 cps	244.0 cps
Intensity RSD	0.7 %	3.8 %	7.1 %	0.5 %	3.1 %	3.4 %	0.8 %	9.9 %	7.2 %

Category	63Cu (mp_KED)	65Cu (mp_KED)	88Sr (mp_KED)	105Pd (mp_KED)
Intensity average	2,169 cps	1,058 cps	92 cps	5,309 cps
Intensity per Run 1	2,135.2 cps	1,024.0 cps	83.0 cps	5,407.4 cps
Intensity per Run 2	2,149.2 cps	1,064.1 cps	103.0 cps	5,227.1 cps
Intensity per Run 3	2,207.2 cps	1,042.0 cps	90.0 cps	5,459.7 cps
Intensity per Run 4	2,183.2 cps	1,102.1 cps	90.0 cps	5,140.1 cps
Intensity RSD	1.5 %	3.2 %	9.1 %	2.8 %

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2024_02_22_M28RuPdRe_Ridha_Poettker-Menke_Sons-goe_mtr.imexp	_Application Data\Workspace\LabBooks

Analysis index: 4      Analysis started at: 22-Feb-24 12:06:38  
Analysis label: M28RuPdRe 0 ppb 300µL HNO3 30.10.2023 mtr      User name: THERMOF-6VBH8PN\CPMS-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	834 cps	380 cps	258 cps	31,303 cps	522 cps	303 cps	1,105 cps	49 cps	157 cps
Intensity per Run 1	806.0 cps	373.0 cps	239.0 cps	31,804.6 cps	548.0 cps	290.0 cps	1,102.1 cps	46.0 cps	174.0 cps
Intensity per Run 2	839.0 cps	364.0 cps	262.0 cps	30,862.2 cps	519.0 cps	299.0 cps	1,089.1 cps	55.0 cps	150.0 cps
Intensity per Run 3	809.0 cps	389.0 cps	276.0 cps	31,058.7 cps	493.0 cps	304.0 cps	1,094.1 cps	39.0 cps	157.0 cps
Intensity per Run 4	880.0 cps	393.0 cps	255.0 cps	31,485.8 cps	529.0 cps	317.0 cps	1,136.1 cps	56.0 cps	148.0 cps
Intensity RSD	4.1 %	3.6 %	6.0 %	1.4 %	4.4 %	3.7 %	1.9 %	16.4 %	7.5 %

Category	63Cu (mp_KED)	65Cu (mp_KED)	88Sr (mp_KED)	105Pd (mp_KED)
Intensity average	4,097 cps	2,022 cps	162 cps	<b>1,606 cps</b>
Intensity per Run 1	4,089.7 cps	1,987.2 cps	144.0 cps	4,096.7 cps
Intensity per Run 2	4,042.7 cps	2,053.2 cps	177.0 cps	4,155.7 cps
Intensity per Run 3	4,087.7 cps	2,007.2 cps	170.0 cps	<b>-6,195.0 cps</b>
Intensity per Run 4	4,168.7 cps	2,041.2 cps	156.0 cps	4,366.8 cps
Intensity RSD	1.3 %	1.5 %	9.1 %	323.9 %

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LabBook	LabBook Path
2024_02_22_M28RuPdRe_Ridha_Poettker-Menke_Sons-goe_mtr.imexp	_Application Data\Workspace\LabBooks

Analysis index: 5      Analysis started at: 22-Feb-24 12:11:44  
Analysis label: M28RuPdRe 1 ppb 300µL HNO3 30.10.2023 mtr      User name: THERMOF-6VBH8PN\CPMS-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	97,024 cps	12,238 cps	79,847 cps	141,317 cps	3,265 cps	136,870 cps	34,151 cps	1,564 cps	5,257 cps
Intensity per Run 1	97,102.6 cps	12,172.0 cps	79,379.0 cps	139,938.7 cps	3,254.4 cps	136,040.8 cps	34,107.7 cps	1,561.1 cps	5,285.1 cps
Intensity per Run 2	96,366.1 cps	12,240.1 cps	80,015.1 cps	141,441.1 cps	3,222.4 cps	136,222.6 cps	33,590.4 cps	1,593.1 cps	5,220.1 cps
Intensity per Run 3	96,930.3 cps	12,161.0 cps	79,503.6 cps	142,707.5 cps	3,264.4 cps	137,368.5 cps	34,583.0 cps	1,535.1 cps	5,325.2 cps
Intensity per Run 4	97,696.5 cps	12,378.2 cps	80,490.2 cps	141,178.9 cps	3,318.5 cps	137,849.8 cps	34,322.2 cps	1,567.1 cps	5,199.1 cps
Intensity RSD	0.6 %	0.8 %	0.6 %	0.8 %	1.2 %	0.6 %	1.2 %	1.5 %	1.1 %

Category	63Cu (mp_KED)	65Cu (mp_KED)	88Sr (mp_KED)	105Pd (mp_KED)
Intensity average	93,055 cps	45,922 cps	105,541 cps	58,547 cps
Intensity per Run 1	92,855.3 cps	45,474.9 cps	105,405.3 cps	59,250.3 cps
Intensity per Run 2	93,159.1 cps	45,775.0 cps	104,614.8 cps	57,688.4 cps
Intensity per Run 3	92,974.4 cps	45,939.7 cps	106,045.5 cps	58,426.8 cps
Intensity per Run 4	93,230.3 cps	46,496.6 cps	106,096.7 cps	58,822.5 cps
Intensity RSD	0.2 %	0.9 %	0.7 %	1.1 %

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Analysis index: 6      Analysis started at: 22-Feb-24 12:16:51  
Analysis label: M28RuPdRe 5 ppb 300µL HNO3 30.10.2023 mtr      User name: THERMOF-6VBH8PN\CPMS-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	474,993 cps	58,530 cps	389,800 cps	602,954 cps	14,638 cps	676,574 cps	165,274 cps	7,583 cps	25,284 cps
Intensity per Run 1	474,345.1 cps	58,684.0 cps	388,363.0 cps	601,153.7 cps	14,684.7 cps	675,029.9 cps	166,050.9 cps	7,525.3 cps	25,258.7 cps
Intensity per Run 2	472,481.0 cps	57,993.6 cps	386,814.2 cps	600,122.8 cps	14,436.4 cps	675,167.5 cps	164,897.7 cps	7,691.4 cps	25,120.4 cps
Intensity per Run 3	476,869.7 cps	58,784.4 cps	392,548.5 cps	605,625.4 cps	14,715.7 cps	679,167.2 cps	165,365.8 cps	7,543.3 cps	25,240.6 cps
Intensity per Run 4	476,276.2 cps	58,658.8 cps	391,474.0 cps	604,915.8 cps	14,716.7 cps	676,931.0 cps	164,783.4 cps	7,572.3 cps	25,517.2 cps
Intensity RSD	0.4 %	0.6 %	0.7 %	0.5 %	0.9 %	0.3 %	0.3 %	1.0 %	0.7 %

Category	63Cu (mp_KED)	65Cu (mp_KED)	88Sr (mp_KED)	105Pd (mp_KED)
Intensity average	442,581 cps	218,786 cps	521,901 cps	330,333 cps
Intensity per Run 1	439,211.9 cps	218,490.3 cps	521,678.0 cps	332,570.4 cps
Intensity per Run 2	442,605.1 cps	217,797.0 cps	518,743.0 cps	329,037.4 cps
Intensity per Run 3	446,259.0 cps	219,812.9 cps	526,071.4 cps	331,669.3 cps
Intensity per Run 4	442,249.3 cps	219,042.9 cps	521,111.8 cps	328,054.1 cps
Intensity RSD	0.7 %	0.4 %	0.6 %	0.6 %

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LabBook	LabBook Path
2024_02_22_M28RuPdRe_Ridha_Poettker-Menke_Sons-goe_mtr.imexp	_Application Data\Workspace\LabBooks

Analysis index: 7  
Analysis label: M28RuPdRe 10 ppb 300µL HNO3 30.10.2023 mtr

Analysis started at: 22-Feb-24 12:21:59  
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	937,469 cps	114,879 cps	772,664 cps	1,012,382 cps	24,919 cps	1,327,730 cps	321,697 cps	14,695 cps	49,445 cps
Intensity per Run 1	940,501.3 cps	115,209.8 cps	773,106.9 cps	1,009,711.7 cps	24,952.0 cps	1,333,863.9 cps	321,909.0 cps	14,754.8 cps	49,660.8 cps
Intensity per Run 2	945,362.5 cps	115,659.0 cps	776,797.8 cps	1,019,506.2 cps	25,132.4 cps	1,339,963.5 cps	324,161.8 cps	14,784.8 cps	49,844.6 cps
Intensity per Run 3	930,729.4 cps	114,221.0 cps	770,724.3 cps	1,004,951.6 cps	24,647.4 cps	1,317,640.1 cps	319,230.1 cps	14,554.5 cps	48,998.2 cps
Intensity per Run 4	933,282.1 cps	114,425.0 cps	770,026.8 cps	1,015,357.3 cps	24,946.0 cps	1,319,451.6 cps	321,487.3 cps	14,684.7 cps	49,278.3 cps
Intensity RSD	0.7 %	0.6 %	0.4 %	0.6 %	0.8 %	0.8 %	0.6 %	0.7 %	0.8 %

Category	63Cu (mp_KED)	65Cu (mp_KED)	88Sr (mp_KED)	105Pd (mp_KED)
Intensity average	864,718 cps	425,597 cps	1,039,403 cps	408,676 cps
Intensity per Run 1	868,816.1 cps	426,751.3 cps	1,046,388.6 cps	409,574.5 cps
Intensity per Run 2	873,418.8 cps	429,436.4 cps	1,050,506.9 cps	411,848.9 cps
Intensity per Run 3	859,631.9 cps	420,355.5 cps	1,025,935.4 cps	404,432.9 cps
Intensity per Run 4	857,003.6 cps	425,843.3 cps	1,034,782.7 cps	408,846.7 cps
Intensity RSD	0.9 %	0.9 %	1.1 %	0.8 %

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2024_02_22_M28RuPdRe_Ridha_Poettker-Menke_Sons-goe_mtr.imexp	_Application Data\Workspace\LabBooks

Analysis index: 8      Analysis started at: 22-Feb-24 12:27:07  
Analysis label: M28RuPdRe 20 ppb 300µL HNO3 30.10.2023 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	1,858,538 cps	227,891 cps	1,531,916 cps	<b>2,012,572 cps</b>	49,590 cps	<b>2,662,255 cps</b>	635,592 cps	29,245 cps	97,771 cps
Intensity per Run 1	1,857,852.1 cps	227,267.6 cps	1,524,946.6 cps	2,001,079.5 cps	49,243.4 cps	<b>2,643,655.8 cps</b>	636,492.7 cps	29,016.8 cps	97,161.6 cps
Intensity per Run 2	1,864,800.8 cps	227,273.9 cps	1,531,839.9 cps	<b>2,014,145.6 cps</b>	50,053.3 cps	<b>2,662,034.8 cps</b>	638,448.0 cps	29,374.7 cps	98,176.3 cps
Intensity per Run 3	1,851,038.7 cps	228,366.1 cps	1,529,191.1 cps	<b>2,020,190.9 cps</b>	49,151.8 cps	<b>2,672,557.0 cps</b>	630,724.3 cps	29,354.6 cps	97,600.4 cps
Intensity per Run 4	1,860,460.8 cps	228,655.6 cps	1,541,686.4 cps	<b>2,014,873.0 cps</b>	49,912.9 cps	<b>2,670,774.1 cps</b>	636,703.0 cps	29,232.3 cps	98,147.6 cps
Intensity RSD	0.3 %	0.3 %	0.5 %	0.4 %	0.9 %	0.5 %	0.5 %	0.6 %	0.5 %

Category	63Cu (mp_KED)	65Cu (mp_KED)	88Sr (mp_KED)	105Pd (mp_KED)
Intensity average	1,712,567 cps	840,715 cps	<b>2,077,517 cps</b>	804,525 cps
Intensity per Run 1	1,701,998.3 cps	840,532.3 cps	2,065,181.7 cps	805,386.1 cps
Intensity per Run 2	1,714,576.6 cps	841,495.1 cps	2,071,280.9 cps	800,346.6 cps
Intensity per Run 3	1,714,919.8 cps	837,956.2 cps	<b>2,093,775.1 cps</b>	804,958.4 cps
Intensity per Run 4	1,718,773.7 cps	842,876.3 cps	2,079,830.8 cps	807,409.0 cps
Intensity RSD	0.4 %	0.2 %	0.6 %	0.4 %



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2024_02_22_M28RuPdRe_Ridha_Poettker-Menke_Sons-goe_mtr.imexp	_Application Data\Workspace\LabBooks

Analysis index: 9      Analysis started at: 22-Feb-24 12:32:16  
 Analysis label: M28RuPdRe 50 ppb 300µL HNO3 30.10.2023 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	<b>4,511,945 cps</b>	550,166 cps	<b>3,722,782 cps</b>	<b>4,854,464 cps</b>	119,643 cps	<b>6,470,959 cps</b>	1,538,046 cps	70,658 cps	236,192 cps
Intensity per Run 1	<b>4,507,575.5 cps</b>	551,096.8 cps	<b>3,733,906.1 cps</b>	<b>4,851,215.8 cps</b>	120,405.9 cps	<b>6,461,806.6 cps</b>	1,551,019.0 cps	70,985.7 cps	237,425.4 cps
Intensity per Run 2	<b>4,520,049.9 cps</b>	551,453.1 cps	<b>3,725,003.7 cps</b>	<b>4,865,881.7 cps</b>	119,892.5 cps	<b>6,484,537.8 cps</b>	1,530,056.6 cps	70,723.2 cps	235,142.6 cps
Intensity per Run 3	<b>4,515,039.6 cps</b>	551,946.6 cps	<b>3,732,903.4 cps</b>	<b>4,848,431.4 cps</b>	119,583.7 cps	<b>6,478,000.7 cps</b>	1,542,707.1 cps	70,547.1 cps	236,751.6 cps
Intensity per Run 4	<b>4,505,113.8 cps</b>	546,166.1 cps	<b>3,699,315.4 cps</b>	<b>4,852,327.8 cps</b>	118,690.5 cps	<b>6,459,490.7 cps</b>	1,528,403.1 cps	70,374.2 cps	235,447.7 cps
Intensity RSD	0.2 %	0.5 %	0.4 %	0.2 %	0.6 %	0.2 %	0.7 %	0.4 %	0.5 %

Category	63Cu (mp_KED)	65Cu (mp_KED)	88Sr (mp_KED)	105Pd (mp_KED)
Intensity average	<b>4,163,466 cps</b>	2,037,212 cps	<b>5,023,507 cps</b>	<b>3,091,299 cps</b>
Intensity per Run 1	<b>4,156,112.3 cps</b>	2,041,281.5 cps	<b>5,020,635.4 cps</b>	<b>3,084,844.5 cps</b>
Intensity per Run 2	<b>4,178,872.8 cps</b>	2,035,324.2 cps	<b>5,041,629.1 cps</b>	<b>3,099,265.0 cps</b>
Intensity per Run 3	<b>4,182,382.3 cps</b>	2,048,417.8 cps	<b>5,028,267.1 cps</b>	<b>3,120,399.8 cps</b>
Intensity per Run 4	<b>4,136,498.3 cps</b>	2,023,823.8 cps	<b>5,003,497.2 cps</b>	<b>3,060,687.8 cps</b>
Intensity RSD	0.5 %	0.5 %	0.3 %	0.8 %

# Intensities

23-Feb-24 17:02:23



Instrument Name	Serial Number
iCAP RQ	Undefined

LabBook	LabBook Path
2024_02_22_M28RuPdRe_Ridha_Poettker-Menke_Sons-goe_mtr.imexp	_Application Data\Workspace\LabBooks

Analysis index: 10      Analysis started at: 22-Feb-24 12:37:26  
 Analysis label: M28RuPdRe 100 ppb 300µL HNO3 30.10.2023 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)
Intensity average	<b>8,757,709 cps</b>	1,065,810 cps	<b>7,216,041 cps</b>	<b>9,409,029 cps</b>	231,315 cps	<b>12,474,564 cps</b>	<b>2,991,704 cps</b>	135,223 cps	457,397 cps
Intensity per Run 1	<b>8,787,890.4 cps</b>	1,070,636.6 cps	<b>7,263,871.3 cps</b>	<b>9,390,884.3 cps</b>	232,558.4 cps	<b>12,515,003.2 cps</b>	<b>2,993,717.5 cps</b>	136,242.4 cps	460,445.5 cps
Intensity per Run 2	<b>8,700,562.0 cps</b>	1,058,900.2 cps	<b>7,157,148.0 cps</b>	<b>9,394,981.4 cps</b>	231,196.1 cps	<b>12,476,812.1 cps</b>	<b>2,989,233.3 cps</b>	134,872.6 cps	453,159.8 cps
Intensity per Run 3	<b>8,800,554.1 cps</b>	1,068,842.3 cps	<b>7,266,732.8 cps</b>	<b>9,426,980.6 cps</b>	231,431.7 cps	<b>12,468,500.9 cps</b>	<b>2,985,484.6 cps</b>	135,509.2 cps	457,867.6 cps
Intensity per Run 4	<b>8,741,827.6 cps</b>	1,064,861.5 cps	<b>7,176,412.1 cps</b>	<b>9,423,268.1 cps</b>	230,073.2 cps	<b>12,437,939.3 cps</b>	<b>2,998,381.0 cps</b>	134,268.0 cps	458,116.8 cps
Intensity RSD	0.5 %	0.5 %	0.8 %	0.2 %	0.4 %	0.3 %	0.2 %	0.6 %	0.7 %

Category	63Cu (mp_KED)	65Cu (mp_KED)	88Sr (mp_KED)	105Pd (mp_KED)
Intensity average	<b>7,988,626 cps</b>	<b>3,939,880 cps</b>	<b>9,845,526 cps</b>	<b>6,760,704 cps</b>
Intensity per Run 1	<b>8,007,346.5 cps</b>	<b>3,937,814.5 cps</b>	<b>9,822,560.5 cps</b>	<b>6,756,836.9 cps</b>
Intensity per Run 2	<b>7,961,043.7 cps</b>	<b>3,937,674.3 cps</b>	<b>9,749,462.5 cps</b>	<b>6,764,448.5 cps</b>
Intensity per Run 3	<b>8,016,720.6 cps</b>	<b>3,948,909.3 cps</b>	<b>9,944,092.7 cps</b>	<b>6,767,848.2 cps</b>
Intensity per Run 4	<b>7,969,393.8 cps</b>	<b>3,935,122.6 cps</b>	<b>9,865,989.5 cps</b>	<b>6,753,682.7 cps</b>
Intensity RSD	0.3 %	0.2 %	0.8 %	0.1 %

# Intensities

23-Feb-24 17:02:23



Instrument Name	Serial Number
iCAP RQ	Undefined

LabBook	LabBook Path
2024_02_22_M28RuPdRe_Ridha_Poettker-Menke_Sons-goe_mtr.imexp	_Application Data\Workspace\LabBooks

Analysis index: 13      Analysis started at: 22-Feb-24 12:52:48  
Analysis label: M42 0 ppb 300µL HNO3 16.02.2024 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	386 cps	185 cps	225 cps	20,148 cps	262 cps	485 cps	885 cps	34 cps	130 cps
Intensity per Run 1	374.0 cps	211.0 cps	196.0 cps	19,893.0 cps	273.0 cps	480.0 cps	904.0 cps	37.0 cps	125.0 cps
Intensity per Run 2	356.0 cps	179.0 cps	233.0 cps	20,164.4 cps	263.0 cps	516.0 cps	871.0 cps	44.0 cps	134.0 cps
Intensity per Run 3	403.0 cps	175.0 cps	263.0 cps	20,245.5 cps	237.0 cps	454.0 cps	852.0 cps	27.0 cps	137.0 cps
Intensity per Run 4	412.0 cps	173.0 cps	209.0 cps	20,288.6 cps	274.0 cps	489.0 cps	913.0 cps	29.0 cps	123.0 cps
Intensity RSD	6.7 %	9.7 %	13.1 %	0.9 %	6.6 %	5.3 %	3.2 %	22.8 %	5.2 %

Category	63Cu (mp_KED)	65Cu (mp_KED)	88Sr (mp_KED)	105Pd (mp_KED)
Intensity average	1,958 cps	985 cps	143 cps	16,978 cps
Intensity per Run 1	1,985.2 cps	947.0 cps	161.0 cps	15,925.2 cps
Intensity per Run 2	1,920.2 cps	974.0 cps	143.0 cps	16,793.4 cps
Intensity per Run 3	1,940.2 cps	1,038.0 cps	120.0 cps	17,595.2 cps
Intensity per Run 4	1,986.2 cps	982.0 cps	148.0 cps	17,598.5 cps
Intensity RSD	1.7 %	3.9 %	12.0 %	4.7 %

# Intensities

23-Feb-24 17:02:23



Instrument Name	Serial Number
iCAP RQ	Undefined

LabBook	LabBook Path
2024_02_22_M28RuPdRe_Ridha_Poettker-Menke_Sons-goe_mtr.imexp	_Application Data\Workspace\LabBooks

Analysis index: 14      Analysis started at: 22-Feb-24 12:57:55  
Analysis label: M42 1 ppb 300µL HNO3 16.02.2024 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	96,392 cps	11,996 cps	79,889 cps	136,242 cps	3,177 cps	136,454 cps	33,821 cps	1,553 cps	5,228 cps
Intensity per Run 1	96,287.3 cps	12,001.8 cps	80,157.9 cps	135,743.9 cps	3,128.4 cps	136,893.1 cps	33,913.1 cps	1,553.1 cps	5,209.1 cps
Intensity per Run 2	97,436.4 cps	12,043.9 cps	80,978.1 cps	137,560.6 cps	3,219.4 cps	137,612.9 cps	33,973.3 cps	1,549.1 cps	5,262.1 cps
Intensity per Run 3	96,398.2 cps	12,018.8 cps	79,133.5 cps	136,046.8 cps	3,215.4 cps	136,199.8 cps	33,911.1 cps	1,552.1 cps	5,304.1 cps
Intensity per Run 4	95,445.1 cps	11,917.8 cps	79,285.3 cps	135,616.5 cps	3,143.4 cps	135,111.8 cps	33,488.0 cps	1,559.1 cps	5,136.1 cps
Intensity RSD	0.8 %	0.5 %	1.1 %	0.7 %	1.5 %	0.8 %	0.7 %	0.3 %	1.4 %

Category	63Cu (mp_KED)	65Cu (mp_KED)	88Sr (mp_KED)	105Pd (mp_KED)
Intensity average	89,628 cps	44,193 cps	107,718 cps	88,544 cps
Intensity per Run 1	89,794.1 cps	44,053.8 cps	106,685.0 cps	88,001.5 cps
Intensity per Run 2	90,340.0 cps	44,544.5 cps	108,568.8 cps	88,579.8 cps
Intensity per Run 3	89,299.8 cps	44,158.2 cps	108,290.3 cps	88,520.3 cps
Intensity per Run 4	89,077.4 cps	44,014.7 cps	107,329.2 cps	89,076.3 cps
Intensity RSD	0.6 %	0.5 %	0.8 %	0.5 %

# Intensities

23-Feb-24 17:02:23



Instrument Name	Serial Number
iCAP RQ	Undefined

LabBook	LabBook Path
2024_02_22_M28RuPdRe_Ridha_Poettker-Menke_Sons-goe_mtr.imexp	_Application Data\Workspace\LabBooks

Analysis index: 15      Analysis started at: 22-Feb-24 13:03:02  
Analysis label: M42 5 ppb 300µL HNO3 16.02.2024 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	481,029 cps	59,295 cps	398,203 cps	533,661 cps	13,141 cps	685,962 cps	166,151 cps	7,654 cps	25,417 cps
Intensity per Run 1	476,071.4 cps	58,804.4 cps	396,351.7 cps	529,503.5 cps	12,931.8 cps	681,385.5 cps	164,933.7 cps	7,625.4 cps	25,311.8 cps
Intensity per Run 2	482,125.4 cps	59,577.1 cps	398,550.9 cps	534,978.6 cps	13,242.1 cps	687,923.5 cps	166,313.9 cps	7,711.4 cps	25,489.1 cps
Intensity per Run 3	480,387.6 cps	59,492.8 cps	398,060.7 cps	534,987.0 cps	13,015.8 cps	685,238.1 cps	165,459.3 cps	7,579.3 cps	25,339.8 cps
Intensity per Run 4	485,533.4 cps	59,305.9 cps	399,850.4 cps	535,176.6 cps	13,374.2 cps	689,300.0 cps	167,895.4 cps	7,701.4 cps	25,529.2 cps
Intensity RSD	0.8 %	0.6 %	0.4 %	0.5 %	1.5 %	0.5 %	0.8 %	0.8 %	0.4 %

Category	63Cu (mp_KED)	65Cu (mp_KED)	88Sr (mp_KED)	105Pd (mp_KED)
Intensity average	445,246 cps	218,691 cps	541,857 cps	398,454 cps
Intensity per Run 1	444,096.8 cps	217,358.0 cps	536,049.5 cps	395,450.6 cps
Intensity per Run 2	446,205.0 cps	219,149.6 cps	545,557.3 cps	400,666.6 cps
Intensity per Run 3	445,311.1 cps	219,058.8 cps	541,094.9 cps	398,274.5 cps
Intensity per Run 4	445,371.2 cps	219,199.1 cps	544,727.7 cps	399,424.5 cps
Intensity RSD	0.2 %	0.4 %	0.8 %	0.6 %

# Intensities

23-Feb-24 17:02:23



Instrument Name	Serial Number
iCAP RQ	Undefined

LabBook	LabBook Path
2024_02_22_M28RuPdRe_Ridha_Poettker-Menke_Sons-goe_mtr.imexp	_Application Data\Workspace\LabBooks

Analysis index: 16      Analysis started at: 22-Feb-24 13:08:09  
Analysis label: M42 10 ppb 300µL HNO3 16.02.2024 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)
Intensity average	963,228 cps	118,611 cps	800,646 cps	1,052,977 cps	26,305 cps	1,375,543 cps	330,969 cps	15,161 cps	50,758 cps
Intensity per Run 1	961,147.1 cps	118,447.2 cps	796,479.5 cps	1,051,920.9 cps	26,172.5 cps	1,367,159.9 cps	329,500.8 cps	15,152.3 cps	50,818.6 cps
Intensity per Run 2	978,410.3 cps	119,308.3 cps	810,676.7 cps	1,064,777.6 cps	26,503.2 cps	1,392,617.5 cps	335,272.2 cps	15,280.4 cps	51,468.2 cps
Intensity per Run 3	955,552.7 cps	118,449.0 cps	799,387.5 cps	1,048,110.0 cps	26,336.9 cps	1,369,094.7 cps	328,551.0 cps	15,093.2 cps	50,577.5 cps
Intensity per Run 4	957,802.9 cps	118,239.7 cps	796,041.6 cps	1,047,099.6 cps	26,205.6 cps	1,373,300.8 cps	330,552.0 cps	15,116.2 cps	50,166.9 cps
Intensity RSD	1.1 %	0.4 %	0.9 %	0.8 %	0.6 %	0.8 %	0.9 %	0.6 %	1.1 %

Category	63Cu (mp_KED)	65Cu (mp_KED)	88Sr (mp_KED)	105Pd (mp_KED)
Intensity average	890,479 cps	438,971 cps	1,081,046 cps	658,550 cps
Intensity per Run 1	888,621.6 cps	437,245.5 cps	1,075,651.2 cps	660,069.9 cps
Intensity per Run 2	897,776.1 cps	445,174.7 cps	1,095,027.9 cps	662,164.2 cps
Intensity per Run 3	887,112.2 cps	436,636.9 cps	1,077,515.0 cps	656,512.0 cps
Intensity per Run 4	888,405.2 cps	436,828.1 cps	1,075,990.6 cps	655,452.3 cps
Intensity RSD	0.6 %	0.9 %	0.9 %	0.5 %

# Intensities

23-Feb-24 17:02:23



Instrument Name	Serial Number
iCAP RQ	Undefined

LabBook	LabBook Path
2024_02_22_M28RuPdRe_Ridha_Poettker-Menke_Sons-goe_mtr.imexp	_Application Data\Workspace\LabBooks

Analysis index: 17      Analysis started at: 22-Feb-24 13:13:16  
Analysis label: M42 20 ppb 300µL HNO3 16.02.2024 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)
Intensity average	<b>1,901,134 cps</b>	232,947 cps	1,581,594 cps	<b>2,073,202 cps</b>	51,061 cps	<b>2,739,361 cps</b>	651,236 cps	29,836 cps	100,316 cps
Intensity per Run 1	<b>1,888,212.5 cps</b>	232,909.1 cps	1,582,818.0 cps	<b>2,068,065.1 cps</b>	50,756.3 cps	<b>2,733,487.5 cps</b>	650,307.5 cps	29,807.8 cps	100,265.0 cps
Intensity per Run 2	1,891,685.5 cps	231,434.9 cps	1,576,935.3 cps	<b>2,052,320.5 cps</b>	51,135.7 cps	<b>2,730,491.6 cps</b>	647,570.6 cps	29,607.2 cps	99,573.3 cps
Intensity per Run 3	1,919,627.1 cps	234,057.7 cps	1,588,201.9 cps	<b>2,094,868.8 cps</b>	51,312.6 cps	<b>2,753,492.3 cps</b>	653,584.4 cps	29,919.0 cps	100,732.9 cps
Intensity per Run 4	<b>1,905,010.7 cps</b>	233,386.9 cps	1,578,420.0 cps	<b>2,077,553.9 cps</b>	51,037.5 cps	<b>2,739,971.2 cps</b>	653,479.9 cps	30,010.2 cps	100,692.2 cps
Intensity RSD	0.8 %	0.5 %	0.3 %	0.9 %	0.5 %	0.4 %	0.4 %	0.6 %	0.5 %

Category	63Cu (mp_KED)	65Cu (mp_KED)	88Sr (mp_KED)	105Pd (mp_KED)
Intensity average	1,748,348 cps	862,249 cps	<b>2,173,384 cps</b>	1,028,085 cps
Intensity per Run 1	1,744,626.6 cps	861,217.9 cps	<b>2,164,547.4 cps</b>	1,026,671.4 cps
Intensity per Run 2	1,733,849.5 cps	858,141.8 cps	<b>2,163,873.2 cps</b>	1,022,792.0 cps
Intensity per Run 3	1,762,225.0 cps	864,785.6 cps	<b>2,183,326.6 cps</b>	1,033,062.5 cps
Intensity per Run 4	1,752,690.9 cps	864,849.8 cps	<b>2,181,789.4 cps</b>	1,029,815.8 cps
Intensity RSD	0.7 %	0.4 %	0.5 %	0.4 %

# Intensities

23-Feb-24 17:02:23



Instrument Name	Serial Number
iCAP RQ	Undefined

LabBook	LabBook Path
2024_02_22_M28RuPdRe_Ridha_Poettker-Menke_Sons-goe_mtr.imexp	_Application Data\Workspace\LabBooks

Analysis index: 18      Analysis started at: 22-Feb-24 13:18:24  
Analysis label: M42 50 ppb 300µL HNO3 16.02.2024 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)
Intensity average	<b>4,845,955 cps</b>	592,770 cps	<b>4,027,355 cps</b>	<b>5,258,133 cps</b>	128,603 cps	<b>6,940,457 cps</b>	1,642,253 cps	74,848 cps	252,572 cps
Intensity per Run 1	<b>4,854,537.9 cps</b>	591,927.6 cps	<b>4,010,921.4 cps</b>	<b>5,202,601.0 cps</b>	129,600.1 cps	<b>6,880,923.8 cps</b>	1,645,689.3 cps	74,334.0 cps	251,727.2 cps
Intensity per Run 2	<b>4,832,240.2 cps</b>	591,513.7 cps	<b>4,016,348.1 cps</b>	<b>5,262,875.7 cps</b>	128,346.9 cps	<b>6,941,483.0 cps</b>	1,642,963.5 cps	75,422.6 cps	253,618.9 cps
Intensity per Run 3	<b>4,813,595.8 cps</b>	591,536.6 cps	<b>4,021,480.7 cps</b>	<b>5,259,416.1 cps</b>	127,969.6 cps	<b>6,934,191.0 cps</b>	1,639,094.5 cps	74,511.0 cps	251,982.9 cps
Intensity per Run 4	<b>4,883,447.4 cps</b>	596,100.5 cps	<b>4,060,669.5 cps</b>	<b>5,307,640.9 cps</b>	128,495.5 cps	<b>7,005,231.5 cps</b>	1,641,266.5 cps	75,125.9 cps	252,957.1 cps
Intensity RSD	0.6 %	0.4 %	0.6 %	0.8 %	0.5 %	0.7 %	0.2 %	0.7 %	0.3 %

Category	63Cu (mp_KED)	65Cu (mp_KED)	88Sr (mp_KED)	105Pd (mp_KED)
Intensity average	<b>4,431,382 cps</b>	2,178,852 cps	<b>5,545,396 cps</b>	<b>3,878,462 cps</b>
Intensity per Run 1	<b>4,411,486.2 cps</b>	2,170,310.1 cps	<b>5,552,958.4 cps</b>	<b>3,854,039.4 cps</b>
Intensity per Run 2	<b>4,445,819.2 cps</b>	2,181,664.3 cps	<b>5,535,338.9 cps</b>	<b>3,869,182.6 cps</b>
Intensity per Run 3	<b>4,403,916.7 cps</b>	2,178,849.5 cps	<b>5,524,776.2 cps</b>	<b>3,899,293.4 cps</b>
Intensity per Run 4	<b>4,464,304.7 cps</b>	2,184,583.7 cps	<b>5,568,510.3 cps</b>	<b>3,891,331.5 cps</b>
Intensity RSD	0.6 %	0.3 %	0.3 %	0.5 %



# Intensities

23-Feb-24 17:02:23



Instrument Name	Serial Number
iCAP RQ	Undefined

LabBook	LabBook Path
2024_02_22_M28RuPdRe_Ridha_Poettker-Menke_Sons-goe_mtr.imexp	_Application Data\Workspace\LabBooks

Analysis index: 19      Analysis started at: 22-Feb-24 13:23:33  
 Analysis label: M42 100 ppb 300µL HNO3 16.02.2024 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	<b>9,820,134 cps</b>	1,195,395 cps	<b>8,150,857 cps</b>	<b>10,630,193 cps</b>	260,984 cps	<b>14,101,688 cps</b>	<b>3,327,468 cps</b>	151,084 cps	508,578 cps
Intensity per Run 1	<b>9,772,315.4 cps</b>	1,194,424.2 cps	<b>8,087,094.7 cps</b>	<b>10,554,083.3 cps</b>	260,048.4 cps	<b>14,032,277.7 cps</b>	<b>3,302,616.7 cps</b>	150,981.7 cps	508,309.6 cps
Intensity per Run 2	<b>9,808,207.8 cps</b>	1,194,805.2 cps	<b>8,165,750.2 cps</b>	<b>10,607,825.1 cps</b>	261,494.1 cps	<b>14,080,256.0 cps</b>	<b>3,338,829.5 cps</b>	151,186.0 cps	510,580.0 cps
Intensity per Run 3	<b>9,863,517.9 cps</b>	1,197,384.9 cps	<b>8,210,349.4 cps</b>	<b>10,676,564.1 cps</b>	261,807.4 cps	<b>14,223,329.8 cps</b>	<b>3,339,393.2 cps</b>	151,543.9 cps	507,531.7 cps
Intensity per Run 4	<b>9,836,494.1 cps</b>	1,194,966.2 cps	<b>8,140,234.6 cps</b>	<b>10,682,299.3 cps</b>	260,587.5 cps	<b>14,070,890.5 cps</b>	<b>3,329,031.4 cps</b>	150,625.6 cps	507,892.0 cps
Intensity RSD	0.4 %	0.1 %	0.6 %	0.6 %	0.3 %	0.6 %	0.5 %	0.3 %	0.3 %

Category	63Cu (mp_KED)	65Cu (mp_KED)	88Sr (mp_KED)	105Pd (mp_KED)
Intensity average	<b>8,938,992 cps</b>	<b>4,410,807 cps</b>	<b>11,181,186 cps</b>	<b>8,206,712 cps</b>
Intensity per Run 1	<b>8,907,010.4 cps</b>	<b>4,388,327.2 cps</b>	<b>11,146,216.9 cps</b>	<b>8,215,718.4 cps</b>
Intensity per Run 2	<b>8,960,528.1 cps</b>	<b>4,426,432.7 cps</b>	<b>11,178,884.9 cps</b>	<b>8,188,417.7 cps</b>
Intensity per Run 3	<b>8,927,807.8 cps</b>	<b>4,400,091.5 cps</b>	<b>11,174,363.2 cps</b>	<b>8,190,076.4 cps</b>
Intensity per Run 4	<b>8,960,621.3 cps</b>	<b>4,428,376.3 cps</b>	<b>11,225,280.0 cps</b>	<b>8,232,637.5 cps</b>
Intensity RSD	0.3 %	0.4 %	0.3 %	0.3 %

# Intensities

23-Feb-24 17:02:23



Instrument Name	Serial Number
iCAP RQ	Undefined

LabBook	LabBook Path
2024_02_22_M28RuPdRe_Ridha_Poettker-Menke_Sons-goe_mtr.imexp	_Application Data\Workspace\LabBooks

Analysis index: 20      Analysis started at: 22-Feb-24 13:28:40  
Analysis label: M42 10 ppb 1500µL HNO3 16.02.2024 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	969,872 cps	119,404 cps	802,589 cps	1,062,017 cps	26,228 cps	1,385,060 cps	334,768 cps	15,309 cps	51,463 cps
Intensity per Run 1	975,530.5 cps	119,491.1 cps	806,404.5 cps	1,067,333.9 cps	26,101.4 cps	1,395,426.3 cps	335,313.9 cps	15,273.4 cps	51,858.7 cps
Intensity per Run 2	963,715.1 cps	118,767.0 cps	796,613.7 cps	1,058,192.6 cps	26,336.8 cps	1,378,391.7 cps	333,899.9 cps	15,342.5 cps	50,883.7 cps
Intensity per Run 3	971,088.4 cps	119,855.1 cps	802,500.7 cps	1,063,914.8 cps	26,198.6 cps	1,385,189.3 cps	334,853.3 cps	15,149.2 cps	51,227.1 cps
Intensity per Run 4	969,155.2 cps	119,502.5 cps	804,836.5 cps	1,058,628.1 cps	26,274.8 cps	1,381,234.0 cps	335,003.9 cps	15,472.7 cps	51,883.8 cps
Intensity RSD	0.5 %	0.4 %	0.5 %	0.4 %	0.4 %	0.5 %	0.2 %	0.9 %	1.0 %

Category	63Cu (mp_KED)	65Cu (mp_KED)	88Sr (mp_KED)	105Pd (mp_KED)
Intensity average	902,929 cps	446,029 cps	1,093,472 cps	821,313 cps
Intensity per Run 1	906,012.5 cps	447,898.4 cps	1,096,031.8 cps	822,566.6 cps
Intensity per Run 2	897,376.6 cps	443,494.0 cps	1,093,852.1 cps	814,021.3 cps
Intensity per Run 3	903,209.7 cps	445,981.4 cps	1,098,560.5 cps	823,420.8 cps
Intensity per Run 4	905,116.9 cps	446,740.2 cps	1,085,443.5 cps	825,241.5 cps
Intensity RSD	0.4 %	0.4 %	0.5 %	0.6 %

# Intensities

23-Feb-24 17:02:23



Instrument Name	Serial Number
iCAP RQ	Undefined

LabBook	LabBook Path
2024_02_22_M28RuPdRe_Ridha_Poettker-Menke_Sons-goe_mtr.imexp	_Application Data\Workspace\LabBooks

Analysis index: 21      Analysis started at: 22-Feb-24 13:33:51  
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)
Intensity average	5,296 cps	763 cps	608 cps	70,562 cps	1,561 cps	538 cps	1,365 cps	64 cps	219 cps
Intensity per Run 1	5,253.1 cps	828.0 cps	666.0 cps	69,803.2 cps	1,535.1 cps	558.0 cps	1,386.1 cps	64.0 cps	234.0 cps
Intensity per Run 2	5,370.2 cps	742.0 cps	649.0 cps	70,636.6 cps	1,594.1 cps	576.0 cps	1,398.1 cps	69.0 cps	199.0 cps
Intensity per Run 3	5,263.1 cps	757.0 cps	580.0 cps	71,351.8 cps	1,581.1 cps	525.0 cps	1,368.1 cps	60.0 cps	214.0 cps
Intensity per Run 4	5,298.2 cps	723.0 cps	538.0 cps	70,454.8 cps	1,532.1 cps	493.0 cps	1,309.1 cps	64.0 cps	227.0 cps
Intensity RSD	1.0 %	6.0 %	9.8 %	0.9 %	2.0 %	6.8 %	2.9 %	5.7 %	7.1 %

Category	63Cu (mp_KED)	65Cu (mp_KED)	88Sr (mp_KED)	105Pd (mp_KED)
Intensity average	2,155 cps	1,076 cps	287 cps	17,551 cps
Intensity per Run 1	2,139.2 cps	1,065.1 cps	340.0 cps	16,661.2 cps
Intensity per Run 2	2,230.2 cps	1,069.1 cps	289.0 cps	17,387.2 cps
Intensity per Run 3	2,106.2 cps	1,120.1 cps	269.0 cps	17,897.3 cps
Intensity per Run 4	2,145.2 cps	1,048.0 cps	250.0 cps	18,259.4 cps
Intensity RSD	2.5 %	2.9 %	13.5 %	3.9 %

# Intensities

23-Feb-24 17:02:23



Instrument Name	Serial Number
iCAP RQ	Undefined

LabBook	LabBook Path
2024_02_22_M28RuPdRe_Ridha_Poettker-Menke_Sons-goe_mtr.imexp	_Application Data\Workspace\LabBooks

Analysis index: 22  
Analysis label: RZE-011 - 0.1mol/L KOH 1.7V vs RHE 48h 5.8ml - 10%

Analysis started at: 22-Feb-24 13:39:00  
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	36,931 cps	5,554 cps	33,710 cps	<b>464,281 cps</b>	9,646 cps	20,287 cps	14,502 cps	738 cps	2,611 cps
Intensity per Run 1	37,070.3 cps	5,564.3 cps	33,524.3 cps	<b>471,771.7 cps</b>	9,490.7 cps	20,325.7 cps	14,247.2 cps	724.0 cps	2,593.3 cps
Intensity per Run 2	36,225.9 cps	5,447.2 cps	33,424.0 cps	454,890.1 cps	9,550.7 cps	20,176.5 cps	14,708.7 cps	738.0 cps	2,607.3 cps
Intensity per Run 3	37,164.6 cps	5,652.3 cps	34,290.3 cps	<b>474,773.6 cps</b>	9,846.9 cps	20,066.2 cps	14,621.7 cps	748.0 cps	2,579.3 cps
Intensity per Run 4	37,263.9 cps	5,550.3 cps	33,602.7 cps	455,689.6 cps	9,694.8 cps	20,579.1 cps	14,430.4 cps	742.0 cps	2,665.3 cps
Intensity RSD	1.3 %	1.5 %	1.2 %	2.3 %	1.6 %	1.1 %	1.4 %	1.4 %	1.4 %

Category	63Cu (mp_KED)	65Cu (mp_KED)	88Sr (mp_KED)	105Pd (mp_KED)
Intensity average	1,888,121 cps	908,877 cps	51,140 cps	12,074 cps
Intensity per Run 1	1,872,578.9 cps	909,768.7 cps	51,277.6 cps	11,822.7 cps
Intensity per Run 2	1,890,295.8 cps	909,253.4 cps	50,891.2 cps	12,146.0 cps
Intensity per Run 3	1,891,569.2 cps	911,649.6 cps	51,280.6 cps	12,155.0 cps
Intensity per Run 4	1,898,040.6 cps	904,834.7 cps	51,111.8 cps	12,172.0 cps
Intensity RSD	0.6 %	0.3 %	0.4 %	1.4 %

# Intensities

23-Feb-24 17:02:23



Instrument Name	Serial Number
iCAP RQ	Undefined

LabBook	LabBook Path
2024_02_22_M28RuPdRe_Ridha_Poettker-Menke_Sons-goe_mtr.imexp	_Application Data\Workspace\LabBooks

Analysis index: 23  
Analysis label: RZE-011 - 0.1mol/L KOH 1.7V vs RHE 48h 5.8ml - 97%

Analysis started at: 22-Feb-24 13:44:08  
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	66,972 cps	9,191 cps	61,471 cps	<b>573,048 cps</b>	15,112 cps	36,074 cps	70,669 cps	3,356 cps	12,198 cps
Intensity per Run 1	66,584.3 cps	9,060.3 cps	61,023.0 cps	<b>613,483.4 cps</b>	15,080.2 cps	36,198.6 cps	70,145.6 cps	3,371.5 cps	12,050.9 cps
Intensity per Run 2	67,095.1 cps	9,162.4 cps	61,168.6 cps	<b>551,345.4 cps</b>	15,054.2 cps	35,832.5 cps	70,651.6 cps	3,255.4 cps	12,081.9 cps
Intensity per Run 3	67,065.9 cps	9,375.6 cps	61,822.9 cps	<b>562,277.1 cps</b>	15,262.4 cps	36,449.3 cps	70,792.2 cps	3,418.5 cps	12,296.1 cps
Intensity per Run 4	67,142.3 cps	9,167.4 cps	61,869.2 cps	<b>565,087.1 cps</b>	15,050.1 cps	35,816.4 cps	71,087.9 cps	3,379.5 cps	12,362.2 cps
Intensity RSD	0.4 %	1.4 %	0.7 %	4.8 %	0.7 %	0.8 %	0.6 %	2.1 %	1.3 %

Category	63Cu (mp_KED)	65Cu (mp_KED)	88Sr (mp_KED)	105Pd (mp_KED)
Intensity average	<b>3,104,240 cps</b>	1,474,951 cps	72,798 cps	3,466 cps
Intensity per Run 1	<b>3,094,573.2 cps</b>	1,471,353.2 cps	72,403.5 cps	3,568.4 cps
Intensity per Run 2	<b>3,094,498.3 cps</b>	1,468,940.1 cps	72,452.8 cps	3,945.3 cps
Intensity per Run 3	<b>3,114,581.4 cps</b>	1,481,318.4 cps	73,479.9 cps	3,157.4 cps
Intensity per Run 4	<b>3,113,308.0 cps</b>	1,478,192.3 cps	72,856.4 cps	3,193.4 cps
Intensity RSD	0.4 %	0.4 %	0.7 %	10.7 %

# Intensities

23-Feb-24 17:02:23



Instrument Name	Serial Number
iCAP RQ	Undefined

LabBook	LabBook Path
2024_02_22_M28RuPdRe_Ridha_Poettker-Menke_Sons-goe_mtr.imexp	_Application Data\Workspace\LabBooks

Analysis index: 24      Analysis started at: 22-Feb-24 13:49:15  
 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)
Intensity average	9,287 cps	1,153 cps	7,368 cps	112,854 cps	2,353 cps	5,262 cps	2,025 cps	92 cps	311 cps
Intensity per Run 1	9,313.5 cps	1,204.1 cps	7,370.2 cps	113,527.4 cps	2,377.2 cps	5,144.1 cps	2,148.2 cps	83.0 cps	319.0 cps
Intensity per Run 2	9,283.5 cps	1,029.0 cps	7,526.3 cps	112,474.6 cps	2,371.2 cps	5,146.1 cps	1,915.2 cps	100.0 cps	336.0 cps
Intensity per Run 3	9,224.5 cps	1,182.1 cps	7,282.2 cps	112,045.0 cps	2,365.2 cps	5,446.2 cps	2,041.2 cps	90.0 cps	276.0 cps
Intensity per Run 4	9,326.5 cps	1,198.1 cps	7,293.2 cps	113,370.8 cps	2,298.2 cps	5,311.2 cps	1,995.2 cps	93.0 cps	311.0 cps
Intensity RSD	0.5 %	7.2 %	1.5 %	0.6 %	1.6 %	2.8 %	4.8 %	7.7 %	8.1 %

Category	63Cu (mp_KED)	65Cu (mp_KED)	88Sr (mp_KED)	105Pd (mp_KED)
Intensity average	189,490 cps	88,006 cps	151 cps	12,665 cps
Intensity per Run 1	191,353.0 cps	89,364.3 cps	146.0 cps	12,135.0 cps
Intensity per Run 2	193,213.6 cps	89,940.3 cps	168.0 cps	13,312.7 cps
Intensity per Run 3	187,354.3 cps	86,937.3 cps	148.0 cps	12,414.4 cps
Intensity per Run 4	186,038.2 cps	85,781.6 cps	141.0 cps	12,796.3 cps
Intensity RSD	1.8 %	2.2 %	7.9 %	4.0 %

# Intensities

23-Feb-24 17:02:23



Instrument Name	Serial Number
iCAP RQ	Undefined

LabBook	LabBook Path
2024_02_22_M28RuPdRe_Ridha_Poettker-Menke_Sons-goe_mtr.imexp	_Application Data\Workspace\LabBooks

Analysis index: 25

Analysis label: RZE-021 - 0.1mol/L KOH 1.7V vs RHE 24h 1.4ml H2O compartment - 10%

Analysis started at: 22-Feb-24 13:54:22

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	97,183 cps	12,812 cps	44,897 cps	<b>298,118 cps</b>	5,733 cps	21,287 cps	19,522 cps	937 cps	3,280 cps
Intensity per Run 1	97,070.7 cps	12,758.6 cps	45,046.5 cps	294,989.3 cps	5,766.4 cps	21,250.1 cps	19,485.3 cps	944.0 cps	3,311.5 cps
Intensity per Run 2	97,405.1 cps	12,801.7 cps	44,869.8 cps	293,149.9 cps	5,645.3 cps	21,562.7 cps	19,373.1 cps	910.0 cps	3,245.4 cps
Intensity per Run 3	97,602.0 cps	12,807.6 cps	44,639.9 cps	<b>310,439.8 cps</b>	5,753.4 cps	21,139.0 cps	19,635.6 cps	959.0 cps	3,311.5 cps
Intensity per Run 4	96,653.7 cps	12,881.7 cps	45,030.1 cps	293,892.6 cps	5,767.4 cps	21,196.1 cps	19,595.5 cps	935.0 cps	3,250.4 cps
Intensity RSD	0.4 %	0.4 %	0.4 %	2.8 %	1.0 %	0.9 %	0.6 %	2.2 %	1.1 %

Category	63Cu (mp_KED)	65Cu (mp_KED)	88Sr (mp_KED)	105Pd (mp_KED)
Intensity average	1,124,277 cps	537,412 cps	27,560 cps	13,546 cps
Intensity per Run 1	1,132,475.1 cps	539,486.9 cps	27,744.0 cps	13,195.1 cps
Intensity per Run 2	1,127,925.8 cps	540,007.8 cps	27,595.7 cps	13,103.9 cps
Intensity per Run 3	1,119,361.9 cps	537,930.8 cps	27,363.1 cps	13,758.7 cps
Intensity per Run 4	1,117,343.9 cps	532,224.4 cps	27,538.6 cps	14,125.1 cps
Intensity RSD	0.6 %	0.7 %	0.6 %	3.6 %

# Intensities

23-Feb-24 17:02:23



Instrument Name	Serial Number
iCAP RQ	Undefined

LabBook	LabBook Path
2024_02_22_M28RuPdRe_Ridha_Poettker-Menke_Sons-goe_mtr.imexp	_Application Data\Workspace\LabBooks

Analysis index: 26

Analysis label: RZE-021 - 0.1mol/L KOH 1.7V vs RHE 24h 1.4ml H2O compartment - 50%

Analysis started at: 22-Feb-24 13:59:29

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	<b>255,198 cps</b>	36,016 cps	106,408 cps	<b>698,664 cps</b>	16,951 cps	42,017 cps	42,419 cps	2,339 cps	10,290 cps
Intensity per Run 1	263,425.6 cps	35,969.9 cps	106,514.7 cps	690,218.1 cps	16,860.5 cps	42,277.6 cps	42,585.7 cps	2,404.2 cps	10,611.6 cps
Intensity per Run 2	<b>247,759.2 cps</b>	36,144.4 cps	106,422.2 cps	<b>699,786.1 cps</b>	17,029.7 cps	41,974.6 cps	42,264.6 cps	2,301.2 cps	10,220.2 cps
Intensity per Run 3	264,073.8 cps	36,225.7 cps	106,771.0 cps	<b>700,736.7 cps</b>	16,947.6 cps	42,169.2 cps	42,448.2 cps	2,252.2 cps	10,430.4 cps
Intensity per Run 4	<b>245,534.2 cps</b>	35,723.2 cps	105,926.0 cps	<b>703,913.6 cps</b>	16,966.6 cps	41,648.4 cps	42,377.9 cps	2,398.2 cps	9,896.0 cps
Intensity RSD	3.9 %	0.6 %	0.3 %	0.8 %	0.4 %	0.7 %	0.3 %	3.2 %	3.0 %

Category	63Cu (mp_KED)	65Cu (mp_KED)	88Sr (mp_KED)	105Pd (mp_KED)
Intensity average	1,975,227 cps	958,801 cps	53,329 cps	<b>5,324 cps</b>
Intensity per Run 1	1,989,821.6 cps	968,176.6 cps	54,588.3 cps	8,856.3 cps
Intensity per Run 2	1,980,402.8 cps	962,219.1 cps	53,221.4 cps	<b>-6,098.3 cps</b>
Intensity per Run 3	1,970,145.3 cps	954,529.2 cps	53,028.6 cps	9,327.7 cps
Intensity per Run 4	1,960,536.8 cps	950,278.8 cps	52,476.3 cps	9,209.4 cps
Intensity RSD	0.6 %	0.8 %	1.7 %	143.1 %



# Intensities

23-Feb-24 17:02:23



Instrument Name	Serial Number
iCAP RQ	Undefined

LabBook	LabBook Path
2024_02_22_M28RuPdRe_Ridha_Poettker-Menke_Sons-goe_mtr.imexp	_Application Data\Workspace\LabBooks

Analysis index: 27      Analysis started at: 22-Feb-24 14:04:37  
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)
Intensity average	8,251 cps	1,040 cps	6,090 cps	115,166 cps	2,361 cps	10,391 cps	2,386 cps	116 cps	366 cps
Intensity per Run 1	8,328.8 cps	1,027.0 cps	5,919.4 cps	115,883.6 cps	2,389.2 cps	10,495.5 cps	2,427.2 cps	112.0 cps	341.0 cps
Intensity per Run 2	8,322.8 cps	1,047.0 cps	6,180.6 cps	116,932.6 cps	2,340.2 cps	10,295.3 cps	2,407.2 cps	89.0 cps	358.0 cps
Intensity per Run 3	8,320.8 cps	1,007.0 cps	6,063.5 cps	113,764.1 cps	2,400.2 cps	10,410.4 cps	2,309.2 cps	153.0 cps	387.0 cps
Intensity per Run 4	8,031.6 cps	1,080.1 cps	6,197.6 cps	114,084.9 cps	2,315.2 cps	10,364.4 cps	2,401.2 cps	109.0 cps	376.0 cps
Intensity RSD	1.8 %	3.0 %	2.1 %	1.3 %	1.7 %	0.8 %	2.2 %	23.2 %	5.5 %

Category	63Cu (mp_KED)	65Cu (mp_KED)	88Sr (mp_KED)	105Pd (mp_KED)
Intensity average	69,764 cps	32,627 cps	147 cps	9,155 cps
Intensity per Run 1	72,262.2 cps	33,689.6 cps	145.0 cps	9,637.3 cps
Intensity per Run 2	71,044.0 cps	32,835.3 cps	139.0 cps	8,846.2 cps
Intensity per Run 3	68,783.5 cps	32,561.6 cps	153.0 cps	9,052.4 cps
Intensity per Run 4	66,966.7 cps	31,422.7 cps	151.0 cps	9,085.0 cps
Intensity RSD	3.4 %	2.9 %	4.3 %	3.7 %

# Intensities

23-Feb-24 17:02:23



Instrument Name	Serial Number
iCAP RQ	Undefined

LabBook	LabBook Path
2024_02_22_M28RuPdRe_Ridha_Poettker-Menke_Sons-goe_mtr.imexp	_Application Data\Workspace\LabBooks

Analysis index: 28      Analysis started at: 22-Feb-24 14:09:44  
Analysis label: 573 Pd Sons 300µl HNO3 - 0.01%      User name: THERMOF-6VBH8PN\CPMS-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	1,403 cps	187 cps	5,501 cps	30,570 cps	325 cps	17,415 cps	2,057 cps	83 cps	288 cps
Intensity per Run 1	1,391.1 cps	162.0 cps	5,493.2 cps	30,544.5 cps	349.0 cps	17,446.2 cps	2,050.2 cps	86.0 cps	293.0 cps
Intensity per Run 2	1,373.1 cps	178.0 cps	5,569.3 cps	30,496.4 cps	296.0 cps	17,658.5 cps	2,105.2 cps	82.0 cps	294.0 cps
Intensity per Run 3	1,416.1 cps	216.0 cps	5,548.3 cps	30,863.3 cps	333.0 cps	17,297.0 cps	2,052.2 cps	85.0 cps	277.0 cps
Intensity per Run 4	1,432.1 cps	193.0 cps	5,394.2 cps	30,375.1 cps	322.0 cps	17,258.0 cps	2,020.2 cps	77.0 cps	287.0 cps
Intensity RSD	1.9 %	12.3 %	1.4 %	0.7 %	6.9 %	1.0 %	1.7 %	4.9 %	2.7 %

Category	63Cu (mp_KED)	65Cu (mp_KED)	88Sr (mp_KED)	105Pd (mp_KED)
Intensity average	47,082 cps	22,183 cps	282 cps	<b>6,355,953 cps</b>
Intensity per Run 1	48,965.2 cps	23,321.9 cps	258.0 cps	<b>6,359,492.3 cps</b>
Intensity per Run 2	47,732.5 cps	22,334.1 cps	281.0 cps	<b>6,335,382.2 cps</b>
Intensity per Run 3	45,700.7 cps	21,712.0 cps	271.0 cps	<b>6,353,764.8 cps</b>
Intensity per Run 4	45,929.6 cps	21,364.4 cps	318.0 cps	<b>6,375,172.2 cps</b>
Intensity RSD	3.3 %	3.9 %	9.1 %	0.3 %

# Intensities

23-Feb-24 17:02:23



Instrument Name	Serial Number
iCAP RQ	Undefined

LabBook	LabBook Path
2024_02_22_M28RuPdRe_Ridha_Poettker-Menke_Sons-goe_mtr.imexp	_Application Data\Workspace\LabBooks

Analysis index: 29      Analysis started at: 22-Feb-24 14:14:50  
 Analysis label: 573 Pd Sons 300µl HNO3 - 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	2,602 cps	228 cps	5,162 cps	39,449 cps	559 cps	80,677 cps	2,593 cps	122 cps	371 cps
Intensity per Run 1	2,643.3 cps	225.0 cps	5,293.1 cps	39,460.5 cps	572.0 cps	80,770.8 cps	2,563.3 cps	120.0 cps	354.0 cps
Intensity per Run 2	2,578.3 cps	227.0 cps	5,057.0 cps	39,358.2 cps	549.0 cps	81,104.0 cps	2,603.3 cps	112.0 cps	371.0 cps
Intensity per Run 3	2,592.3 cps	232.0 cps	5,156.1 cps	39,271.9 cps	544.0 cps	79,668.9 cps	2,622.3 cps	130.0 cps	406.0 cps
Intensity per Run 4	2,595.3 cps	229.0 cps	5,142.1 cps	39,707.3 cps	571.0 cps	81,165.4 cps	2,584.3 cps	126.0 cps	353.0 cps
Intensity RSD	1.1 %	1.3 %	1.9 %	0.5 %	2.6 %	0.9 %	1.0 %	6.4 %	6.7 %

Category	63Cu (mp_KED)	65Cu (mp_KED)	88Sr (mp_KED)	105Pd (mp_KED)
Intensity average	35,697 cps	16,878 cps	1,359 cps	<b>68,851,914 cps</b>
Intensity per Run 1	36,710.2 cps	17,090.8 cps	1,318.1 cps	<b>68,376,124.5 cps</b>
Intensity per Run 2	35,975.0 cps	16,993.6 cps	1,364.1 cps	<b>69,252,441.2 cps</b>
Intensity per Run 3	35,654.0 cps	17,043.7 cps	1,371.1 cps	<b>68,387,120.9 cps</b>
Intensity per Run 4	34,447.6 cps	16,383.8 cps	1,381.1 cps	<b>69,391,969.7 cps</b>
Intensity RSD	2.6 %	2.0 %	2.1 %	0.8 %

# Intensities

23-Feb-24 17:02:23



Instrument Name	Serial Number
iCAP RQ	Undefined

LabBook	LabBook Path
2024_02_22_M28RuPdRe_Ridha_Poettker-Menke_Sons-goe_mtr.imexp	_Application Data\Workspace\LabBooks

Analysis index: 30      Analysis started at: 22-Feb-24 14:19:56  
 Analysis label: 573 Pd Sons 300µl HNO3 - 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	17,844 cps	1,077 cps	5,133 cps	61,327 cps	1,079 cps	793,265 cps	7,379 cps	343 cps	1,141 cps
Intensity per Run 1	18,116.2 cps	1,118.1 cps	5,191.1 cps	61,812.9 cps	1,043.0 cps	796,358.9 cps	7,227.1 cps	364.0 cps	1,194.1 cps
Intensity per Run 2	17,919.9 cps	1,050.0 cps	5,126.1 cps	61,288.2 cps	1,111.1 cps	792,324.2 cps	7,482.3 cps	332.0 cps	1,131.1 cps
Intensity per Run 3	17,848.8 cps	1,084.1 cps	5,201.1 cps	61,371.8 cps	1,086.1 cps	795,319.5 cps	7,438.2 cps	339.0 cps	1,160.1 cps
Intensity per Run 4	17,491.3 cps	1,054.0 cps	5,014.0 cps	60,836.0 cps	1,077.1 cps	789,059.0 cps	7,370.2 cps	336.0 cps	1,078.1 cps
Intensity RSD	1.5 %	2.9 %	1.7 %	0.7 %	2.6 %	0.4 %	1.5 %	4.2 %	4.3 %

Category	63Cu (mp_KED)	65Cu (mp_KED)	88Sr (mp_KED)	105Pd (mp_KED)
Intensity average	33,485 cps	16,138 cps	12,555 cps	<b>790,580,834 cps</b>
Intensity per Run 1	33,714.6 cps	16,188.6 cps	12,593.4 cps	<b>799,070,594.5 cps</b>
Intensity per Run 2	33,757.7 cps	16,122.5 cps	12,699.5 cps	<b>790,036,166.1 cps</b>
Intensity per Run 3	33,361.7 cps	16,227.6 cps	12,370.2 cps	<b>793,579,710.7 cps</b>
Intensity per Run 4	33,107.1 cps	16,015.3 cps	12,557.4 cps	<b>779,636,866.4 cps</b>
Intensity RSD	0.9 %	0.6 %	1.1 %	1.0 %

# Intensities

23-Feb-24 17:02:23



Instrument Name	Serial Number
iCAP RQ	Undefined

LabBook	LabBook Path
2024_02_22_M28RuPdRe_Ridha_Poettker-Menke_Sons-goe_mtr.imexp	_Application Data\Workspace\LabBooks

Analysis index: 31      Analysis started at: 22-Feb-24 14:25:03  
Analysis label: 573 Pd Sons 300µl HNO3 - 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)
Intensity average	139,238 cps	6,192 cps	5,893 cps	171,129 cps	4,205 cps	<b>5,148,676 cps</b>	34,462 cps	1,565 cps
Intensity per Run 1	143,235.5 cps	6,363.6 cps	5,813.4 cps	171,145.7 cps	4,221.7 cps	<b>5,186,572.1 cps</b>	34,371.4 cps	1,571.1 cps
Intensity per Run 2	139,422.9 cps	6,169.5 cps	5,921.4 cps	171,168.9 cps	4,269.7 cps	<b>5,170,716.0 cps</b>	34,678.2 cps	1,570.1 cps
Intensity per Run 3	137,798.9 cps	6,226.6 cps	5,929.4 cps	171,387.6 cps	4,184.7 cps	<b>5,130,035.7 cps</b>	34,597.0 cps	1,569.1 cps
Intensity per Run 4	136,494.3 cps	6,007.5 cps	5,906.4 cps	170,812.2 cps	4,142.7 cps	<b>5,107,379.1 cps</b>	34,200.9 cps	1,549.1 cps
Intensity RSD	2.1 %	2.4 %	0.9 %	0.1 %	1.3 %	0.7 %	0.6 %	0.7 %

Category	62Ni (mp_KED)	63Cu (mp_KED)	65Cu (mp_KED)	88Sr (mp_KED)	105Pd (mp_KED)
Intensity average	5,315 cps	74,295 cps	35,938 cps	69,702 cps	<b>5,006,978,384 cps</b>
Intensity per Run 1	5,298.1 cps	74,511.0 cps	36,226.7 cps	70,068.2 cps	<b>5,017,440,893.6 cps</b>
Intensity per Run 2	5,238.1 cps	74,833.2 cps	36,153.5 cps	69,907.4 cps	<b>5,032,572,110.6 cps</b>
Intensity per Run 3	5,221.1 cps	73,965.8 cps	35,606.9 cps	69,163.1 cps	<b>4,988,608,850.7 cps</b>
Intensity per Run 4	5,502.2 cps	73,868.3 cps	35,763.3 cps	69,668.1 cps	<b>4,989,291,681.5 cps</b>
Intensity RSD	2.4 %	0.6 %	0.8 %	0.6 %	0.4 %

# Intensities

23-Feb-24 17:02:23



Instrument Name	Serial Number
iCAP RQ	Undefined

LabBook	LabBook Path
2024_02_22_M28RuPdRe_Ridha_Poettker-Menke_Sons-goe_mtr.imexp	_Application Data\Workspace\LabBooks

Analysis index: 32      Analysis started at: 22-Feb-24 14:30:10  
 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)
Intensity average	9,709 cps	908 cps	4,779 cps	93,587 cps	1,965 cps	9,682 cps	3,198 cps	140 cps	469 cps
Intensity per Run 1	10,530.5 cps	944.0 cps	4,729.9 cps	95,359.4 cps	2,008.2 cps	9,452.6 cps	3,143.4 cps	131.0 cps	495.0 cps
Intensity per Run 2	9,875.9 cps	891.0 cps	4,846.0 cps	94,054.1 cps	1,895.2 cps	9,793.9 cps	3,251.4 cps	152.0 cps	436.0 cps
Intensity per Run 3	9,400.6 cps	843.0 cps	4,751.9 cps	92,089.2 cps	1,963.2 cps	9,643.8 cps	3,192.4 cps	140.0 cps	466.0 cps
Intensity per Run 4	9,027.3 cps	952.0 cps	4,788.9 cps	92,846.5 cps	1,995.2 cps	9,835.9 cps	3,204.4 cps	136.0 cps	477.0 cps
Intensity RSD	6.7 %	5.6 %	1.1 %	1.5 %	2.6 %	1.8 %	1.4 %	6.4 %	5.3 %

Category	63Cu (mp_KED)	65Cu (mp_KED)	88Sr (mp_KED)	105Pd (mp_KED)
Intensity average	15,364 cps	7,418 cps	129 cps	616,638 cps
Intensity per Run 1	15,719.0 cps	7,538.3 cps	125.0 cps	677,509.2 cps
Intensity per Run 2	15,442.6 cps	7,435.3 cps	136.0 cps	636,380.7 cps
Intensity per Run 3	15,178.3 cps	7,338.2 cps	124.0 cps	591,534.1 cps
Intensity per Run 4	15,115.2 cps	7,361.2 cps	129.0 cps	561,129.9 cps
Intensity RSD	1.8 %	1.2 %	4.2 %	8.3 %

# Intensities

23-Feb-24 17:02:23



Instrument Name	Serial Number
iCAP RQ	Undefined

LabBook	LabBook Path
2024_02_22_M28RuPdRe_Ridha_Poettker-Menke_Sons-goe_mtr.imexp	_Application Data\Workspace\LabBooks

Analysis index: 33      Analysis started at: 22-Feb-24 14:35:17  
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)
Intensity average	6,710 cps	820 cps	4,321 cps	88,221 cps	1,888 cps	11,219 cps	4,119 cps	189 cps	588 cps
Intensity per Run 1	6,700.8 cps	858.0 cps	4,240.7 cps	89,342.5 cps	1,909.2 cps	10,976.9 cps	4,212.7 cps	203.0 cps	588.0 cps
Intensity per Run 2	6,689.8 cps	815.0 cps	4,449.8 cps	88,151.7 cps	1,875.2 cps	11,370.2 cps	4,093.7 cps	176.0 cps	591.0 cps
Intensity per Run 3	6,763.9 cps	812.0 cps	4,316.8 cps	88,028.0 cps	1,897.2 cps	11,134.0 cps	4,048.7 cps	189.0 cps	592.0 cps
Intensity per Run 4	6,686.8 cps	796.0 cps	4,275.8 cps	87,360.3 cps	1,872.2 cps	11,394.3 cps	4,119.7 cps	187.0 cps	581.0 cps
Intensity RSD	0.5 %	3.2 %	2.1 %	0.9 %	0.9 %	1.8 %	1.7 %	5.9 %	0.8 %

Category	63Cu (mp_KED)	65Cu (mp_KED)	88Sr (mp_KED)	105Pd (mp_KED)
Intensity average	12,536 cps	5,990 cps	131 cps	172,325 cps
Intensity per Run 1	12,778.6 cps	6,097.5 cps	125.0 cps	161,512.9 cps
Intensity per Run 2	12,702.5 cps	5,959.5 cps	131.0 cps	170,057.1 cps
Intensity per Run 3	12,336.2 cps	6,042.5 cps	129.0 cps	176,979.9 cps
Intensity per Run 4	12,326.1 cps	5,862.4 cps	138.0 cps	180,751.6 cps
Intensity RSD	1.9 %	1.7 %	4.2 %	4.9 %

# Intensities

23-Feb-24 17:02:23



Instrument Name	Serial Number
iCAP RQ	Undefined

LabBook	LabBook Path
2024_02_22_M28RuPdRe_Ridha_Poettker-Menke_Sons-goe_mtr.imexp	_Application Data\Workspace\LabBooks

Analysis index: 34      Analysis started at: 22-Feb-24 14:40:24  
 Analysis label: BL 572 - 573      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	1,045 cps	152 cps	3,549 cps	23,294 cps	316 cps	12,424 cps	4,778 cps	215 cps	720 cps
Intensity per Run 1	1,037.0 cps	170.0 cps	3,551.5 cps	23,329.9 cps	320.0 cps	12,546.4 cps	4,762.9 cps	214.0 cps	698.0 cps
Intensity per Run 2	1,060.1 cps	147.0 cps	3,607.5 cps	23,529.3 cps	324.0 cps	12,482.3 cps	4,839.0 cps	202.0 cps	713.0 cps
Intensity per Run 3	1,012.0 cps	149.0 cps	3,541.5 cps	23,222.8 cps	333.0 cps	12,333.1 cps	4,805.0 cps	210.0 cps	739.0 cps
Intensity per Run 4	1,070.0 cps	143.0 cps	3,495.5 cps	23,093.4 cps	287.0 cps	12,334.2 cps	4,703.9 cps	233.0 cps	731.0 cps
Intensity RSD	2.5 %	7.9 %	1.3 %	0.8 %	6.4 %	0.9 %	1.2 %	6.1 %	2.6 %

Category	63Cu (mp_KED)	65Cu (mp_KED)	88Sr (mp_KED)	105Pd (mp_KED)
Intensity average	11,634 cps	5,606 cps	162 cps	134,831 cps
Intensity per Run 1	11,996.8 cps	5,657.3 cps	165.0 cps	126,174.4 cps
Intensity per Run 2	11,515.4 cps	5,600.3 cps	167.0 cps	132,672.6 cps
Intensity per Run 3	11,497.3 cps	5,639.3 cps	150.0 cps	139,176.9 cps
Intensity per Run 4	11,526.4 cps	5,526.2 cps	164.0 cps	141,299.7 cps
Intensity RSD	2.1 %	1.0 %	4.8 %	5.1 %



# Intensities

23-Feb-24 17:02:23



Instrument Name	Serial Number
iCAP RQ	Undefined

LabBook	LabBook Path
2024_02_22_M28RuPdRe_Ridha_Poettker-Menke_Sons-goe_mtr.imexp	_Application Data\Workspace\LabBooks

Analysis index: 35      Analysis started at: 22-Feb-24 14:45:32  
Analysis label: BL 573      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	812 cps	130 cps	3,139 cps	21,510 cps	263 cps	12,585 cps	5,310 cps	244 cps	804 cps
Intensity per Run 1	795.0 cps	146.0 cps	3,170.4 cps	21,479.6 cps	244.0 cps	12,597.4 cps	5,312.2 cps	241.0 cps	798.0 cps
Intensity per Run 2	818.0 cps	128.0 cps	3,166.4 cps	21,737.0 cps	281.0 cps	12,712.5 cps	5,197.1 cps	234.0 cps	818.0 cps
Intensity per Run 3	894.0 cps	126.0 cps	3,113.4 cps	21,392.4 cps	271.0 cps	12,432.3 cps	5,344.2 cps	224.0 cps	802.0 cps
Intensity per Run 4	739.0 cps	120.0 cps	3,104.4 cps	21,432.5 cps	255.0 cps	12,599.4 cps	5,385.2 cps	278.0 cps	799.0 cps
Intensity RSD	7.9 %	8.6 %	1.1 %	0.7 %	6.3 %	0.9 %	1.5 %	9.6 %	1.2 %

Category	63Cu (mp_KED)	65Cu (mp_KED)	88Sr (mp_KED)	105Pd (mp_KED)
Intensity average	8,646 cps	4,080 cps	175 cps	95,846 cps
Intensity per Run 1	8,848.2 cps	4,336.8 cps	175.0 cps	86,648.6 cps
Intensity per Run 2	8,744.1 cps	4,126.7 cps	172.0 cps	94,426.8 cps
Intensity per Run 3	8,524.9 cps	3,988.7 cps	170.0 cps	98,577.9 cps
Intensity per Run 4	8,467.9 cps	3,866.6 cps	184.0 cps	103,728.9 cps
Intensity RSD	2.1 %	4.9 %	3.5 %	7.5 %

# Intensities

23-Feb-24 17:02:23



Instrument Name	Serial Number
iCAP RQ	Undefined

LabBook	LabBook Path
2024_02_22_M28RuPdRe_Ridha_Poettker-Menke_Sons-goe_mtr.imexp	_Application Data\Workspace\LabBooks

Analysis index: 36      Analysis started at: 22-Feb-24 14:50:40  
Analysis label: BL H2O      User name: THERMOF-6VBH8PN\CPMS-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	613 cps	113 cps	2,844 cps	16,672 cps	175 cps	13,354 cps	6,121 cps	278 cps	844 cps
Intensity per Run 1	646.0 cps	117.0 cps	2,767.3 cps	16,607.1 cps	178.0 cps	13,108.9 cps	6,129.5 cps	286.0 cps	807.0 cps
Intensity per Run 2	593.0 cps	114.0 cps	2,852.3 cps	16,570.1 cps	177.0 cps	13,416.3 cps	5,941.4 cps	272.0 cps	851.0 cps
Intensity per Run 3	604.0 cps	113.0 cps	2,852.3 cps	16,703.2 cps	182.0 cps	13,385.2 cps	6,266.6 cps	262.0 cps	831.0 cps
Intensity per Run 4	607.0 cps	106.0 cps	2,905.4 cps	16,807.4 cps	161.0 cps	13,506.4 cps	6,145.5 cps	291.0 cps	888.0 cps
Intensity RSD	3.8 %	4.1 %	2.0 %	0.6 %	5.3 %	1.3 %	2.2 %	4.8 %	4.1 %

Category	63Cu (mp_KED)	65Cu (mp_KED)	88Sr (mp_KED)	105Pd (mp_KED)
Intensity average	6,787 cps	3,213 cps	131 cps	3,661 cps
Intensity per Run 1	6,836.9 cps	3,255.4 cps	102.0 cps	3,608.5 cps
Intensity per Run 2	6,757.9 cps	3,282.4 cps	121.0 cps	3,600.5 cps
Intensity per Run 3	6,788.9 cps	3,124.4 cps	144.0 cps	3,774.6 cps
Intensity per Run 4	6,765.9 cps	3,190.4 cps	156.0 cps	3,661.6 cps
Intensity RSD	0.5 %	2.2 %	18.4 %	2.2 %

# Intensities

23-Feb-24 17:02:23



Instrument Name	Serial Number
iCAP RQ	Undefined

LabBook	LabBook Path
2024_02_22_M28RuPdRe_Ridha_Poettker-Menke_Sons-goe_mtr.imexp	_Application Data\Workspace\LabBooks

Analysis index: 37      Analysis started at: 22-Feb-24 14:55:46  
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)
Intensity average	6,285 cps	800 cps	2,896 cps	85,951 cps	1,890 cps	12,837 cps	6,786 cps	311 cps	1,018 cps
Intensity per Run 1	6,275.6 cps	769.0 cps	2,921.4 cps	86,223.4 cps	1,860.1 cps	12,755.6 cps	6,805.9 cps	304.0 cps	1,006.0 cps
Intensity per Run 2	6,292.6 cps	800.0 cps	2,878.3 cps	85,981.5 cps	1,847.1 cps	12,735.6 cps	6,678.8 cps	335.0 cps	981.0 cps
Intensity per Run 3	6,267.6 cps	831.0 cps	2,842.3 cps	85,545.7 cps	1,895.2 cps	13,152.0 cps	6,815.9 cps	302.0 cps	1,019.0 cps
Intensity per Run 4	6,305.6 cps	801.0 cps	2,942.4 cps	86,055.1 cps	1,958.2 cps	12,705.5 cps	6,843.9 cps	301.0 cps	1,064.0 cps
Intensity RSD	0.3 %	3.2 %	1.5 %	0.3 %	2.6 %	1.6 %	1.1 %	5.3 %	3.4 %

Category	63Cu (mp_KED)	65Cu (mp_KED)	88Sr (mp_KED)	105Pd (mp_KED)
Intensity average	7,747 cps	3,706 cps	137 cps	57,592 cps
Intensity per Run 1	7,695.4 cps	3,679.6 cps	127.0 cps	55,668.3 cps
Intensity per Run 2	7,860.5 cps	3,706.6 cps	138.0 cps	56,551.1 cps
Intensity per Run 3	7,693.4 cps	3,706.6 cps	143.0 cps	58,652.0 cps
Intensity per Run 4	7,737.4 cps	3,732.6 cps	140.0 cps	59,498.1 cps
Intensity RSD	1.0 %	0.6 %	5.1 %	3.1 %

# Intensities

23-Feb-24 17:02:23



Instrument Name	Serial Number
iCAP RQ	Undefined

LabBook	LabBook Path
2024_02_22_M28RuPdRe_Ridha_Poettker-Menke_Sons-goe_mtr.imexp	_Application Data\Workspace\LabBooks

Analysis index: 38      Analysis started at: 22-Feb-24 15:00:53  
Analysis label: M42 10 ppb 1500µL HNO3 16.02.2024 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	1,137,358 cps	138,694 cps	979,256 cps	1,260,432 cps	30,833 cps	1,601,718 cps	383,098 cps	17,566 cps	58,837 cps
Intensity per Run 1	1,138,642.9 cps	140,323.2 cps	983,456.1 cps	1,271,390.7 cps	31,330.4 cps	1,603,617.4 cps	386,614.5 cps	17,723.6 cps	59,430.5 cps
Intensity per Run 2	1,143,653.2 cps	137,898.7 cps	981,074.8 cps	1,256,219.4 cps	30,821.1 cps	1,611,681.4 cps	383,932.0 cps	17,751.7 cps	59,475.7 cps
Intensity per Run 3	1,122,561.8 cps	137,550.7 cps	971,904.2 cps	1,248,729.1 cps	30,497.4 cps	1,591,410.5 cps	377,855.4 cps	17,347.1 cps	58,294.1 cps
Intensity per Run 4	1,144,573.5 cps	139,004.9 cps	980,588.5 cps	1,265,386.9 cps	30,684.8 cps	1,600,164.1 cps	383,989.8 cps	17,443.3 cps	58,149.4 cps
Intensity RSD	0.9 %	0.9 %	0.5 %	0.8 %	1.2 %	0.5 %	1.0 %	1.1 %	1.2 %

Category	63Cu (mp_KED)	65Cu (mp_KED)	88Sr (mp_KED)	105Pd (mp_KED)
Intensity average	1,016,764 cps	502,677 cps	1,272,277 cps	918,306 cps
Intensity per Run 1	1,025,976.5 cps	507,181.2 cps	1,283,274.6 cps	914,405.7 cps
Intensity per Run 2	1,015,469.5 cps	505,687.4 cps	1,265,312.9 cps	920,997.0 cps
Intensity per Run 3	1,008,129.1 cps	496,375.5 cps	1,264,358.0 cps	916,176.1 cps
Intensity per Run 4	1,017,481.6 cps	501,463.6 cps	1,276,162.8 cps	921,645.7 cps
Intensity RSD	0.7 %	1.0 %	0.7 %	0.4 %

# Intensities

23-Feb-24 17:02:23



Instrument Name	Serial Number
iCAP RQ	Undefined

LabBook	LabBook Path
2024_02_22_M28RuPdRe_Ridha_Poettker-Menke_Sons-goe_mtr.imexp	_Application Data\Workspace\LabBooks

Analysis index: 39      Analysis started at: 22-Feb-24 15:06:03  
 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)
Intensity average	6,336 cps	786 cps	2,562 cps	86,467 cps	1,904 cps	12,416 cps	7,600 cps	343 cps	1,112 cps
Intensity per Run 1	6,208.6 cps	724.0 cps	2,537.3 cps	84,727.2 cps	1,918.2 cps	12,706.6 cps	7,642.4 cps	337.0 cps	1,153.1 cps
Intensity per Run 2	6,541.7 cps	858.0 cps	2,532.3 cps	86,854.4 cps	1,853.1 cps	12,278.1 cps	7,631.4 cps	344.0 cps	1,094.1 cps
Intensity per Run 3	6,281.6 cps	795.0 cps	2,611.3 cps	87,147.7 cps	1,904.2 cps	12,470.3 cps	7,452.3 cps	347.0 cps	1,080.1 cps
Intensity per Run 4	6,312.6 cps	766.0 cps	2,567.3 cps	87,138.6 cps	1,939.2 cps	12,210.0 cps	7,672.4 cps	343.0 cps	1,119.1 cps
Intensity RSD	2.3 %	7.2 %	1.4 %	1.4 %	1.9 %	1.8 %	1.3 %	1.2 %	2.9 %

Category	63Cu (mp_KED)	65Cu (mp_KED)	88Sr (mp_KED)	105Pd (mp_KED)
Intensity average	6,930 cps	3,332 cps	149 cps	57,973 cps
Intensity per Run 1	6,947.0 cps	3,389.5 cps	185.0 cps	56,214.5 cps
Intensity per Run 2	6,970.0 cps	3,336.5 cps	143.0 cps	56,827.4 cps
Intensity per Run 3	6,888.9 cps	3,311.5 cps	145.0 cps	58,590.4 cps
Intensity per Run 4	6,913.9 cps	3,291.4 cps	122.0 cps	60,261.7 cps
Intensity RSD	0.5 %	1.3 %	17.7 %	3.2 %

# Intensities

23-Feb-24 17:02:23



Instrument Name	Serial Number
iCAP RQ	Undefined

LabBook	LabBook Path
2024_02_22_M28RuPdRe_Ridha_Poettker-Menke_Sons-goe_mtr.imexp	_Application Data\Workspace\LabBooks

Analysis index: 40      Analysis started at: 22-Feb-24 15:11:10  
Analysis label: pure water      User name: THERMOF-6VBH8PN\CPMS-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	886 cps	148 cps	4,353 cps	17,785 cps	191 cps	12,680 cps	21,533 cps	977 cps	3,236 cps
Intensity per Run 1	907.0 cps	166.0 cps	4,130.7 cps	17,647.6 cps	213.0 cps	12,827.7 cps	19,948.0 cps	929.0 cps	3,056.4 cps
Intensity per Run 2	850.0 cps	147.0 cps	4,111.7 cps	17,745.7 cps	197.0 cps	12,604.4 cps	20,318.6 cps	875.0 cps	2,996.4 cps
Intensity per Run 3	899.0 cps	125.0 cps	4,356.8 cps	17,983.0 cps	176.0 cps	12,540.4 cps	21,552.7 cps	1,020.0 cps	3,316.5 cps
Intensity per Run 4	888.0 cps	152.0 cps	4,812.9 cps	17,763.7 cps	178.0 cps	12,747.6 cps	24,310.7 cps	1,085.1 cps	3,574.5 cps
Intensity RSD	2.8 %	11.5 %	7.5 %	0.8 %	9.1 %	1.0 %	9.2 %	9.6 %	8.2 %

Category	63Cu (mp_KED)	65Cu (mp_KED)	88Sr (mp_KED)	105Pd (mp_KED)
Intensity average	18,472 cps	9,047 cps	2,446 cps	<b>839 cps</b>
Intensity per Run 1	17,514.4 cps	8,438.9 cps	2,353.2 cps	<b>-11,523.3 cps</b>
Intensity per Run 2	17,456.3 cps	8,620.0 cps	2,287.2 cps	5,351.4 cps
Intensity per Run 3	18,436.7 cps	9,185.4 cps	2,346.2 cps	4,780.9 cps
Intensity per Run 4	20,479.9 cps	9,943.0 cps	2,797.3 cps	4,746.9 cps
Intensity RSD	7.6 %	7.5 %	9.7 %	982.9 %

