

Mn 257.610=====

Mn 257.610=====

-1.5

15.0

4684598.9

-1.0	15.0	7848099.8
-0.5	15.0	10911831.0
0.0	15.0	12555896.9
0.5	15.0	13220261.3
1.0	15.0	12846051.2
1.5	15.0	11554250.5
2.0	15.0	9003267.6
2.5	15.0	6334996.6
3.0	15.0	3439302.2
3.5	15.0	1385116.8
4.0	15.0	1017377.5
4.5	15.0	1125927.3
5.0	15.0	1149017.3
5.5	15.0	951528.4
6.0	15.0	813657.7
6.5	15.0	800229.7
7.0	15.0	734295.6

2/23/2017 12:11:19 PM aligned for analyte Mn 257.610
X viewing position set to 0.5 mm having Peak intensity 13220261.3 for Radial viewing

Analysis Begun

Start Time: 2/23/2017 12:41:12 PM
Logged In Analyst: jjlord
Spectrometer: Optima 8000

Plasma On Time: 2/23/2017 11:29:42 AM
Technique: ICP Continuous
Autosampler: S10

Sample Information File: C:\Users\Public\PerkinElmer\ICP\Data\Sample Information\jjlord02_23_17.sif
Batch ID: 040516mchen
Results Data Set: FlyAsh_041414
Results Library: C:\Users\Public\PerkinElmer\ICP\Data\Results\Results.mdb

Method Loaded

Method Name: jjlord 2-13-17

Method Last Saved: 2/13/2017 3:10:43 PM

IEC File:

MSF File:

Method Description:

Analyte	Calibration Equation	Processing	View	Internal Standard	IEC
Rh 343.489	Lin, Calc Int	Peak Area	Axial	None	No

Sequence No.: 1

Sample ID: Calib Blank 1

Analyst:

Initial Sample Wt:

Dilution:

Wash Time:

Autosampler Location: 9

Date Collected: 2/23/2017 12:41:33 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: Calib Blank 1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib. Units	Analysis Time
1	Rh 343.489	551.4	551.4	[0.00] ppm		12:43:16 PM
2	Rh 343.489	817.6	817.6	[0.00] ppm		12:43:24 PM
3	Rh 343.489	496.0	496.0	[0.00] ppm		12:43:31 PM

Mean Data: Calib Blank 1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc. Units	Calib. Units
Rh 343.489	621.7	171.94	27.66%	[0.00] ppm	

Sequence No.: 2

Sample ID: 0.1

Analyst:

Autosampler Location: 10

Date Collected: 2/23/2017 12:45:17 PM

Data Type: Original

Initial Sample Wt:

Initial Sample Vol:

Dilution:

Sample Prep Vol:

Wash Time: 90

Auto Dilution Factor: 1

Replicate Data: 0.1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib. Units	Analysis Time
1	Rh 343.489	27257.4	26635.7	[0.1] ppm		12:46:57 PM
2	Rh 343.489	27487.3	26865.7	[0.1] ppm		12:47:05 PM
3	Rh 343.489	27137.1	26515.4	[0.1] ppm		12:47:12 PM

Mean Data: 0.1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc. Units	Calib. Units
Rh 343.489	26672.3	177.97	0.67%	[0.1] ppm	

=====

Sequence No.: 3

Autosampler Location: 11

Sample ID: 1

Date Collected: 2/23/2017 12:48:59 PM

Analyst:

Data Type: Original

Initial Sample Wt:

Initial Sample Vol:

Dilution:

Sample Prep Vol:

Wash Time: 90

Auto Dilution Factor: 1

Replicate Data: 1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib. Units	Analysis Time
1	Rh 343.489	272470.7	271849.0	[1] ppm		12:50:39 PM
2	Rh 343.489	271105.3	270483.6	[1] ppm		12:50:44 PM
3	Rh 343.489	274801.4	274179.7	[1] ppm		12:50:47 PM

Mean Data: 1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc. Units	Calib. Units
Rh 343.489	272170.7	1868.96	0.69%	[1] ppm	

=====

Sequence No.: 4

Autosampler Location: 12

Sample ID: 10

Date Collected: 2/23/2017 12:52:30 PM

Analyst:

Data Type: Original

Initial Sample Wt:

Initial Sample Vol:

Dilution:

Sample Prep Vol:

Wash Time: 90

Auto Dilution Factor: 1

Replicate Data: 10

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib. Units	Analysis Time
1	Rh 343.489	2924860.2	2924238.5	[10] ppm		12:54:11 PM
2	Rh 343.489	2903696.2	2903074.5	[10] ppm		12:54:14 PM
3	Rh 343.489	2902129.5	2901507.8	[10] ppm		12:54:17 PM

Mean Data: 10

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc. Units	Calib. Units
Rh 343.489	2909606.9	12695.47	0.44%	[10] ppm	

=====

Sequence No.: 5

Autosampler Location: 13

Sample ID: 50

Date Collected: 2/23/2017 12:56:00 PM

Analyst:

Data Type: Original

Initial Sample Wt:

Initial Sample Vol:

Dilution:

Sample Prep Vol:

Wash Time: 90

Auto Dilution Factor: 1

Replicate Data: 50

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Analysis Time
1	Rh 343.489	14360056.3	14359434.6	[50] ppm	12:57:40 PM
2	Rh 343.489	14155140.1	14154518.4	[50] ppm	12:57:45 PM
3	Rh 343.489	13970025.9	13969404.3	[50] ppm	12:57:48 PM

Mean Data: 50

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc. Units
Rh 343.489	14161119.1	195098.96	1.38%	[50] ppm

Initialize Optics completed successfully

Sequence No.: 6

Sample ID: 100

Analyst:

Initial Sample Wt:

Dilution:

Wash Time: 90

Autosampler Location: 14

Date Collected: 2/23/2017 1:04:32 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Auto Dilution Factor: 1

Replicate Data: 100

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Analysis Time
1	Rh 343.489	29448488.7	29447867.0	[100] ppm	1:06:13 PM
2	Rh 343.489	29209650.9	29209029.2	[100] ppm	1:06:20 PM
3	Rh 343.489	29545859.9	29545238.2	[100] ppm	1:06:25 PM

Mean Data: 100

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc. Units
Rh 343.489	29400711.4	172993.82	0.59%	[100] ppm

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Rh 343.489	5	Lin, Calc Int	-62275.5	292600	0.00000	0.999846	

Calibration data for Rh 343.489

Equation: Linear, Calculated Intercept

ID	Mean Signal (Em)	Entered Conc. ppm	Calculated Conc. ppm	Standard Deviation	%RSD
Calib Blank 1	0.0	0	0.213	171.94	27.66
0.1	26672.3	0.1	0.304	177.97	0.67
1	272170.7	1.0	1.143	1868.96	0.69
10	2909606.9	10.0	10.156	12695.47	0.44
50	14161119.1	50.0	48.604	195098.96	1.38
100	29400711.4	100.0	100.681	172993.82	0.59

Correlation Coef.: 0.999846 Slope: 292600 Intercept: -62275.5

Sequence No.: 7

Sample ID: 1B w

Analyst:

Initial Sample Wt:

Dilution:

Wash Time: 90

Autosampler Location: 15

Date Collected: 2/23/2017 1:08:09 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Auto Dilution Factor: 1

Replicate Data: 1B w

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
-------	---------	---------------	---------------------	--------------------	--------------------	---------------

1	Rh 343.489	87666.4	87044.7	0.510 ppm	0.510 mg/L	1:09:48 PM
2	Rh 343.489	83359.8	82738.1	0.496 ppm	0.496 mg/L	1:09:55 PM
3	Rh 343.489	79230.8	78609.1	0.481 ppm	0.481 mg/L	1:09:59 PM

Mean Data: 1B w

Analyte	Mean Corrected Intensity	Calib. Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Rh 343.489	82797.3	0.496 ppm	0.0144	0.496 mg/L	0.0144	2.91%

Sequence No.: 8

Sample ID: 2B w

Analyst:

Initial Sample Wt:

Dilution:

Wash Time: 90

Autosampler Location: 16

Date Collected: 2/23/2017 1:11:43 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Auto Dilution Factor: 1

Replicate Data: 2B w

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	Rh 343.489	119738.8	119117.1	0.620 ppm	0.620 mg/L	1:13:22 PM
2	Rh 343.489	124688.9	124067.2	0.637 ppm	0.637 mg/L	1:13:28 PM
3	Rh 343.489	122156.9	121535.2	0.628 ppm	0.628 mg/L	1:13:32 PM

Mean Data: 2B w

Analyte	Mean Corrected Intensity	Calib. Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Rh 343.489	121573.2	0.628 ppm	0.0085	0.628 mg/L	0.0085	1.35%

Sequence No.: 9

Sample ID: 3B w

Analyst:

Initial Sample Wt:

Dilution:

Wash Time: 90

Autosampler Location: 17

Date Collected: 2/23/2017 1:15:16 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Auto Dilution Factor: 1

Replicate Data: 3B w

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	Rh 343.489	97363.2	96741.6	0.543 ppm	0.543 mg/L	1:16:55 PM
2	Rh 343.489	100341.7	99720.0	0.554 ppm	0.554 mg/L	1:17:01 PM
3	Rh 343.489	97814.5	97192.8	0.545 ppm	0.545 mg/L	1:17:06 PM

Mean Data: 3B w

Analyte	Mean Corrected Intensity	Calib. Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Rh 343.489	97884.8	0.547 ppm	0.0055	0.547 mg/L	0.0055	1.00%

Sequence No.: 10

Sample ID: 4B w

Analyst:

Initial Sample Wt:

Dilution:

Wash Time: 90

Autosampler Location: 18

Date Collected: 2/23/2017 1:18:50 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Auto Dilution Factor: 1

Replicate Data: 4B w

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	Rh 343.489	92673.5	92051.8	0.527 ppm	0.527 mg/L	1:20:29 PM
2	Rh 343.489	94085.2	93463.5	0.532 ppm	0.532 mg/L	1:20:35 PM
3	Rh 343.489	88903.0	88281.3	0.514 ppm	0.514 mg/L	1:20:40 PM

Mean Data: 4B w

Analyte	Mean Corrected Intensity	Calib. Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Rh 343.489	91265.5	0.525 ppm	0.0092	0.525 mg/L	0.0092	1.74%

=====

Sequence No.: 11

Sample ID: 5B w

Analyst:

Initial Sample Wt:

Dilution:

Wash Time: 90

Autosampler Location: 19

Date Collected: 2/23/2017 1:22:24 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Auto Dilution Factor: 1

Replicate Data: 5B w

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	Rh 343.489	111048.7	110427.1	0.590 ppm	0.590 mg/L	1:24:04 PM
2	Rh 343.489	110794.6	110172.9	0.589 ppm	0.589 mg/L	1:24:09 PM
3	Rh 343.489	109706.3	109084.7	0.586 ppm	0.586 mg/L	1:24:14 PM

Mean Data: 5B w

Analyte	Mean Corrected Intensity	Calib. Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Rh 343.489	109894.9	0.588 ppm	0.0024	0.588 mg/L	0.0024	0.41%

=====

Sequence No.: 12

Sample ID: 1A w

Analyst:

Initial Sample Wt:

Dilution:

Wash Time: 90

Autosampler Location: 20

Date Collected: 2/23/2017 1:25:58 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Auto Dilution Factor: 1

Replicate Data: 1A w

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	Rh 343.489	209879.5	209257.8	0.928 ppm	0.928 mg/L	1:27:37 PM
2	Rh 343.489	212712.8	212091.1	0.938 ppm	0.938 mg/L	1:27:42 PM
3	Rh 343.489	208679.7	208058.0	0.924 ppm	0.924 mg/L	1:27:45 PM

Mean Data: 1A w

Analyte	Mean Corrected Intensity	Calib. Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Rh 343.489	209802.3	0.930 ppm	0.0071	0.930 mg/L	0.0071	0.76%

=====

Sequence No.: 13

Sample ID: 2A w

Analyst:

Initial Sample Wt:

Dilution:

Wash Time: 90

Autosampler Location: 21

Date Collected: 2/23/2017 1:29:28 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Auto Dilution Factor: 1

Replicate Data: 2A w

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	Rh 343.489	183274.3	182652.7	0.837 ppm	0.837 mg/L	1:31:08 PM
2	Rh 343.489	185416.0	184794.3	0.844 ppm	0.844 mg/L	1:31:13 PM
3	Rh 343.489	187561.7	186940.0	0.852 ppm	0.852 mg/L	1:31:17 PM

Mean Data: 2A w

Analyte	Mean Corrected Intensity	Calib. Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Rh 343.489	184795.7	0.844 ppm	0.0073	0.844 mg/L	0.0073	0.87%

Sequence No.: 14

Sample ID: 3A w

Analyst:

Initial Sample Wt:

Dilution:

Wash Time: 90

Autosampler Location: 22

Date Collected: 2/23/2017 1:33:00 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Auto Dilution Factor: 1

Replicate Data: 3A w

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	Rh 343.489	205834.1	205212.4	0.914 ppm	0.914 mg/L	1:34:40 PM
2	Rh 343.489	204707.3	204085.6	0.910 ppm	0.910 mg/L	1:34:45 PM
3	Rh 343.489	206916.5	206294.8	0.918 ppm	0.918 mg/L	1:34:49 PM

Mean Data: 3A w

Analyte	Mean Corrected Intensity	Calib. Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Rh 343.489	205197.6	0.914 ppm	0.0038	0.914 mg/L	0.0038	0.41%

Sequence No.: 15

Sample ID: 4A w

Analyst:

Initial Sample Wt:

Dilution:

Wash Time: 90

Autosampler Location: 23

Date Collected: 2/23/2017 1:36:32 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Auto Dilution Factor: 1

Replicate Data: 4A w

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	Rh 343.489	209778.1	209156.4	0.928 ppm	0.928 mg/L	1:38:12 PM
2	Rh 343.489	211167.4	210545.7	0.932 ppm	0.932 mg/L	1:38:17 PM
3	Rh 343.489	210018.8	209397.1	0.928 ppm	0.928 mg/L	1:38:21 PM

Mean Data: 4A w

Analyte	Mean Corrected Intensity	Calib. Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Rh 343.489	209699.7	0.929 ppm	0.0025	0.929 mg/L	0.0025	0.27%

Sequence No.: 16

Sample ID: 5A w

Analyst:

Initial Sample Wt:

Dilution:

Wash Time: 90

Autosampler Location: 24

Date Collected: 2/23/2017 1:40:04 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Auto Dilution Factor: 1

Replicate Data: 5A w

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	Rh 343.489	199208.4	198586.7	0.891 ppm	0.891 mg/L	1:41:45 PM
2	Rh 343.489	194692.1	194070.4	0.876 ppm	0.876 mg/L	1:41:50 PM
3	Rh 343.489	200672.0	200050.3	0.896 ppm	0.896 mg/L	1:41:53 PM

Mean Data: 5A w

Analyte	Mean Corrected Intensity	Calib. Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Rh 343.489	197569.1	0.888 ppm	0.0107	0.888 mg/L	0.0107	1.20%

Sequence No.: 17

Sample ID: stock sol

Analyst:

Initial Sample Wt:

Dilution:

Wash Time: 90

Autosampler Location: 25

Date Collected: 2/23/2017 1:43:37 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Auto Dilution Factor: 1

Replicate Data: stock sol

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	Rh 343.489	245044.9	244423.2	1.048 ppm	1.048 mg/L	1:45:18 PM
2	Rh 343.489	246329.7	245708.1	1.052 ppm	1.052 mg/L	1:45:22 PM
3	Rh 343.489	245727.0	245105.3	1.050 ppm	1.050 mg/L	1:45:25 PM

Mean Data: stock sol

Analyte	Mean Corrected Intensity	Calib. Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Rh 343.489	245078.8	1.050 ppm	0.0022	1.050 mg/L	0.0022	0.21%

Sequence No.: 18

Sample ID: 1A

Analyst:

Initial Sample Wt:

Dilution:

Wash Time: 90

Autosampler Location: 26

Date Collected: 2/23/2017 1:47:09 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Auto Dilution Factor: 1

Replicate Data: 1A

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	Rh 343.489	5567.7	4946.0	0.230 ppm	0.230 mg/L	1:48:48 PM
2	Rh 343.489	5635.7	5014.0	0.230 ppm	0.230 mg/L	1:48:56 PM
3	Rh 343.489	5449.3	4827.6	0.229 ppm	0.229 mg/L	1:49:03 PM

Mean Data: 1A

Analyte	Mean Corrected Intensity	Calib. Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Rh 343.489	4929.2	0.230 ppm	0.0003	0.230 mg/L	0.0003	0.14%

Sequence No.: 19

Sample ID: 2A

Analyst:

Initial Sample Wt:

Dilution:

Wash Time: 90

Autosampler Location: 27

Date Collected: 2/23/2017 1:50:49 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Auto Dilution Factor: 1

Replicate Data: 2A

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	Rh 343.489	5798.1	5176.4	0.230 ppm	0.230 mg/L	1:52:28 PM
2	Rh 343.489	5780.8	5159.1	0.230 ppm	0.230 mg/L	1:52:36 PM
3	Rh 343.489	5666.2	5044.5	0.230 ppm	0.230 mg/L	1:52:43 PM

Mean Data: 2A

Analyte	Mean Corrected Intensity	Calib. Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Rh 343.489	5126.7	0.230 ppm	0.0002	0.230 mg/L	0.0002	0.11%

Sequence No.: 20

Autosampler Location: 28

Sample ID: 3A
 Analyst:
 Initial Sample Wt:
 Dilution:
 Wash Time: 90

Date Collected: 2/23/2017 1:54:29 PM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:
 Auto Dilution Factor: 1

Replicate Data: 3A

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	Rh 343.489	5906.4	5284.7	0.231 ppm	0.231 mg/L	1:56:08 PM
2	Rh 343.489	5808.6	5186.9	0.231 ppm	0.231 mg/L	1:56:16 PM
3	Rh 343.489	5755.6	5133.9	0.230 ppm	0.230 mg/L	1:56:23 PM

Mean Data: 3A

Analyte	Mean Corrected Intensity	Calib. Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Rh 343.489	5201.8	0.231 ppm	0.0003	0.231 mg/L	0.0003	0.11%

=====

Sequence No.: 21

Sample ID: 4A

Analyst:

Initial Sample Wt:

Dilution:

Wash Time: 90

Autosampler Location: 29

Date Collected: 2/23/2017 1:58:09 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Auto Dilution Factor: 1

Replicate Data: 4A

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	Rh 343.489	7102.3	6480.6	0.235 ppm	0.235 mg/L	1:59:47 PM
2	Rh 343.489	6871.6	6249.9	0.234 ppm	0.234 mg/L	1:59:55 PM
3	Rh 343.489	7049.6	6427.9	0.235 ppm	0.235 mg/L	2:00:02 PM

Mean Data: 4A

Analyte	Mean Corrected Intensity	Calib. Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Rh 343.489	6386.2	0.235 ppm	0.0004	0.235 mg/L	0.0004	0.18%

=====

Sequence No.: 22

Sample ID: 5A

Analyst:

Initial Sample Wt:

Dilution:

Wash Time: 90

Autosampler Location: 30

Date Collected: 2/23/2017 2:01:48 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Auto Dilution Factor: 1

Replicate Data: 5A

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	Rh 343.489	5246.8	4625.1	0.229 ppm	0.229 mg/L	2:03:27 PM
2	Rh 343.489	5510.5	4888.8	0.230 ppm	0.230 mg/L	2:03:35 PM
3	Rh 343.489	5346.1	4724.4	0.229 ppm	0.229 mg/L	2:03:42 PM

Mean Data: 5A

Analyte	Mean Corrected Intensity	Calib. Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Rh 343.489	4746.1	0.229 ppm	0.0005	0.229 mg/L	0.0005	0.20%

=====

Sequence No.: 23

Sample ID: 1B

Analyst:

Initial Sample Wt:

Autosampler Location: 31

Date Collected: 2/23/2017 2:05:28 PM

Data Type: Original

Initial Sample Vol:

Dilution:
Wash Time: 90

Sample Prep Vol:
Auto Dilution Factor: 1

Replicate Data: 1B

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	Rh 343.489	15479.8	14858.1	0.264 ppm	0.264 mg/L	2:07:07 PM
2	Rh 343.489	15130.2	14508.5	0.262 ppm	0.262 mg/L	2:07:15 PM
3	Rh 343.489	15639.0	15017.3	0.264 ppm	0.264 mg/L	2:07:22 PM

Mean Data: 1B

Analyte	Mean Corrected Intensity	Calib. Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Rh 343.489	14794.6	0.263 ppm	0.0009	0.263 mg/L	0.0009	0.34%

Sequence No.: 24

Sample ID: 2B

Analyst:

Initial Sample Wt:

Dilution:

Wash Time: 90

Autosampler Location: 32

Date Collected: 2/23/2017 2:09:09 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Auto Dilution Factor: 1

Replicate Data: 2B

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	Rh 343.489	12735.6	12113.9	0.254 ppm	0.254 mg/L	2:10:48 PM
2	Rh 343.489	13068.3	12446.6	0.255 ppm	0.255 mg/L	2:10:57 PM
3	Rh 343.489	12721.3	12099.6	0.254 ppm	0.254 mg/L	2:11:04 PM

Mean Data: 2B

Analyte	Mean Corrected Intensity	Calib. Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Rh 343.489	12220.0	0.255 ppm	0.0007	0.255 mg/L	0.0007	0.26%

Sequence No.: 25

Sample ID: 3B

Analyst:

Initial Sample Wt:

Dilution:

Wash Time: 90

Autosampler Location: 33

Date Collected: 2/23/2017 2:12:50 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Auto Dilution Factor: 1

Replicate Data: 3B

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	Rh 343.489	15281.3	14659.6	0.263 ppm	0.263 mg/L	2:14:29 PM
2	Rh 343.489	15296.3	14674.6	0.263 ppm	0.263 mg/L	2:14:37 PM
3	Rh 343.489	15295.1	14673.4	0.263 ppm	0.263 mg/L	2:14:43 PM

Mean Data: 3B

Analyte	Mean Corrected Intensity	Calib. Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Rh 343.489	14669.2	0.263 ppm	0.0000	0.263 mg/L	0.0000	0.01%

Sequence No.: 26

Sample ID: 4B

Analyst:

Initial Sample Wt:

Dilution:

Wash Time: 90

Autosampler Location: 34

Date Collected: 2/23/2017 2:16:29 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Auto Dilution Factor: 1

Replicate Data: 4B

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	Rh 343.489	20962.5	20340.8	0.282 ppm	0.282 mg/L	2:18:09 PM
2	Rh 343.489	20925.0	20303.3	0.282 ppm	0.282 mg/L	2:18:16 PM
3	Rh 343.489	20943.3	20321.6	0.282 ppm	0.282 mg/L	2:18:23 PM

Mean Data: 4B

Analyte	Mean Corrected Intensity	Calib. Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Rh 343.489	20321.9	0.282 ppm	0.0001	0.282 mg/L	0.0001	0.02%

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Sequence No.: 27

Sample ID: 5B

Analyst:

Initial Sample Wt:

Dilution:

Wash Time: 90

Autosampler Location: 35

Date Collected: 2/23/2017 2:20:14 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Auto Dilution Factor: 1

Replicate Data: 5B

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	Rh 343.489	22327.3	21705.7	0.287 ppm	0.287 mg/L	2:21:54 PM
2	Rh 343.489	22055.1	21433.4	0.286 ppm	0.286 mg/L	2:22:01 PM
3	Rh 343.489	21992.0	21370.3	0.286 ppm	0.286 mg/L	2:22:09 PM

Mean Data: 5B

Analyte	Mean Corrected Intensity	Calib. Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Rh 343.489	21503.1	0.286 ppm	0.0006	0.286 mg/L	0.0006	0.21%