

Analysis Begun

Start Time: 02.03.2021 14:10:56
Logged In Analyst: labo
Spectrometer Model: Optima 7000

Plasma On Time: 02.03.2021 14:09:03
Technique: ICP Continuous
Autosampler Model: S10

Sample Information File: C:\pe\ICP\Sample Information\SK\SK_5ppmPdPt_Capture_ 2021.03.02.sif
Batch ID:
Results Data Set: SK_5ppm_PdPt_Capture
Results Library: C:\pe\ICP\Results\Results.mdb

Method Loaded

Method Name: SK_Pd_Pt_20210302

Method Last Saved: 02.03.2021 14:01:36

IEC File:

MSF File:

Method Description: Pd (II) Pt (II)

Sequence No.: 1

Autosampler Location: 9

Sample ID: Calib Blank 1

Date Collected: 02.03.2021 14:11:13

Analyst:

Data Type: Original

Initial Sample Wt:

Initial Sample Vol:

Dilution:

Sample Prep Vol:

Nebulizer Parameters: Calib Blank 1

Analyte	Back Pressure	Flow
All	110.0 kPa	0.80 L/min

Replicate Data: Calib Blank 1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Analysis Time
1	Pd	-216.8	-216.8	[0.00] mg/L	14:12:56
1	Pt 265.945	-1324.2	-1324.2	[0.00] mg/L	14:13:31
2	Pd	-328.3	-328.3	[0.00] mg/L	14:13:08
2	Pt 265.945	-1248.8	-1248.8	[0.00] mg/L	14:13:42
3	Pd	-318.1	-318.1	[0.00] mg/L	14:13:18
3	Pt 265.945	-1139.1	-1139.1	[0.00] mg/L	14:13:51

Mean Data: Calib Blank 1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc. Units
Pd	-287.7	61.62	21.41%	[0.00] mg/L
Pt 265.945	-1237.4	93.07	7.52%	[0.00] mg/L

Sequence No.: 2

Autosampler Location: 10

Sample ID: 0.079992 ppm Pd

Date Collected: 02.03.2021 14:14:42

Analyst:

Data Type: Original

Initial Sample Wt:

Initial Sample Vol:

Dilution:

Sample Prep Vol:

Nebulizer Parameters: 0.079992 ppm Pd

Analyte	Back Pressure	Flow
All	111.0 kPa	0.80 L/min

Replicate Data: 0.079992 ppm Pd

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Analysis Time
1	Pd	3227.0	3514.7	[0.079992] mg/L	14:16:25
2	Pd	3219.8	3507.6	[0.079992] mg/L	14:16:36
3	Pd	3277.0	3564.8	[0.079992] mg/L	14:16:45

Mean Data: 0.079992 ppm Pd

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc. Units
Pd	3529.0	31.16	0.88%	[0.079992] mg/L

Sequence No.: 3	Autosampler Location: 11
Sample ID: 0.79992 ppm Pd	Date Collected: 02.03.2021 14:17:36
Analyst:	Data Type: Original
Initial Sample Wt:	Initial Sample Vol:
Dilution:	Sample Prep Vol:

Nebulizer Parameters: 0.79992 ppm Pd

Analyte	Back Pressure	Flow
All	112.0 kPa	0.80 L/min

Replicate Data: 0.79992 ppm Pd

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Pd	27551.9	27839.6	[0.79992]	mg/L	14:19:17
2	Pd	27448.6	27736.4	[0.79992]	mg/L	14:19:25
3	Pd	27638.4	27926.2	[0.79992]	mg/L	14:19:33

Mean Data: 0.79992 ppm Pd

	Mean Corrected			Calib
Analyte	Intensity	Std.Dev.	RSD	Conc. Units
Pd	27834.0	95.03	0.34%	[0.79992] mg/L

Sequence No.: 4	Autosampler Location: 12
Sample ID: 3.9996 ppm Pd	Date Collected: 02.03.2021 14:20:22
Analyst:	Data Type: Original
Initial Sample Wt:	Initial Sample Vol:
Dilution:	Sample Prep Vol:

Nebulizer Parameters: 3.9996 ppm Pd

Analyte	Back Pressure	Flow
All	112.0 kPa	0.80 L/min

Replicate Data: 3.9996 ppm Pd

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Pd	136491.9	136779.7	[3.9996]	mg/L	14:22:04
2	Pd	139432.1	139719.9	[3.9996]	mg/L	14:22:10
3	Pd	139672.8	139960.6	[3.9996]	mg/L	14:22:16

Mean Data: 3.9996 ppm Pd

	Mean Corrected			Calib
Analyte	Intensity	Std.Dev.	RSD	Conc. Units
Pd	138820.0	1771.10	1.28%	[3.9996] mg/L

Sequence No.: 5	Autosampler Location: 13
Sample ID: 19.998 ppm Pd	Date Collected: 02.03.2021 14:23:02
Analyst:	Data Type: Original
Initial Sample Wt:	Initial Sample Vol:
Dilution:	Sample Prep Vol:

Nebulizer Parameters: 19.998 ppm Pd

Analyte	Back Pressure	Flow
All	113.0 kPa	0.80 L/min

Replicate Data: 19.998 ppm Pd

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Pd	669805.9	670093.7	[19.998]	mg/L	14:24:44
2	Pd	664001.7	664289.5	[19.998]	mg/L	14:24:48
3	Pd	664909.3	665197.0	[19.998]	mg/L	14:24:51

	Mean Corrected			Calib
Analyte	Intensity	Std.Dev.	RSD	Conc. Units
Pd	666526.7	3122.23	0.47%	[19.998] mg/L

Sequence No.: 6	Autosampler Location: 14
Sample ID: 0.00625 ppm Pt	Date Collected: 02.03.2021 14:25:36
Analyst:	Data Type: Original
Initial Sample Wt:	Initial Sample Vol:
Dilution:	Sample Prep Vol:

Nebulizer Parameters: 0.00625 ppm Pt		
Analyte	Back Pressure	Flow
All	113.0 kPa	0.80 L/min

Replicate Data: 0.00625 ppm Pt					
Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Analysis Time
1	Pt 265.945	1844.3	3081.7	[0.00625] mg/L	14:27:18
2	Pt 265.945	1823.7	3061.2	[0.00625] mg/L	14:27:30
3	Pt 265.945	1853.4	3090.8	[0.00625] mg/L	14:27:40

Mean Data: 0.00625 ppm Pt				
	Mean Corrected			Calib
Analyte	Intensity	Std.Dev.	RSD	Conc. Units
Pt 265.945	3077.9	15.19	0.49%	[0.00625] mg/L

Sequence No.: 7	Autosampler Location: 15
Sample ID: 0.125 ppm Pt	Date Collected: 02.03.2021 14:28:30
Analyst:	Data Type: Original
Initial Sample Wt:	Initial Sample Vol:
Dilution:	Sample Prep Vol:

Nebulizer Parameters: 0.125 ppm Pt		
Analyte	Back Pressure	Flow
All	113.0 kPa	0.80 L/min

Replicate Data: 0.125 ppm Pt					
Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Analysis Time
1	Pt 265.945	16352.0	17589.4	[0.125] mg/L	14:30:11
2	Pt 265.945	16053.0	17290.4	[0.125] mg/L	14:30:18
3	Pt 265.945	16055.2	17292.6	[0.125] mg/L	14:30:26

Mean Data: 0.125 ppm Pt				
	Mean Corrected			Calib
Analyte	Intensity	Std.Dev.	RSD	Conc. Units
Pt 265.945	17390.8	172.01	0.99%	[0.125] mg/L

Sequence No.: 8	Autosampler Location: 16
Sample ID: 2.5 ppm Pt	Date Collected: 02.03.2021 14:31:13
Analyst:	Data Type: Original
Initial Sample Wt:	Initial Sample Vol:
Dilution:	Sample Prep Vol:

Nebulizer Parameters: 2.5 ppm Pt		
Analyte	Back Pressure	Flow
All	113.0 kPa	0.80 L/min

Replicate Data: 2.5 ppm Pt					
Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Analysis Time
1	Pt 265.945	138381.3	139618.7	[2.5] mg/L	14:32:54

Mean Data: 2.5 ppm Pt

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc. Units
Pt 265.945	140611.4	886.51	0.63%	[2.5] mg/L

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Sequence No.: 9	Autosampler Location: 17
Sample ID: 50 ppm Pt	Date Collected: 02.03.2021 14:33:55
Analyst:	Data Type: Original
Initial Sample Wt:	Initial Sample Vol:
Dilution:	Sample Prep Vol:

Nebulizer Parameters: 50 ppm Pt

Analyte	Back Pressure	Flow
All	113.0 kPa	0.80 L/min

Replicate Data: 50 ppm Pt

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Analysis Time
1	Pt 265.945	2428121.9	2429359.3	[50] mg/L	14:35:36
2	Pt 265.945	2475478.5	2476715.9	[50] mg/L	14:35:39
3	Pt 265.945	2415750.7	2416988.1	[50] mg/L	14:35:41

Mean Data: 50 ppm Pt

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc. Units
Pt 265.945	2441021.1	31525.39	1.29%	[50] mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Pd	4	Lin, Calc Int	1756.6	33280	0.00000	0.999969	
Pt 265.945	4	Lin, Calc Int	8117.8	48670	0.00000	0.999976	

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Sequence No.: 10	Autosampler Location: 18
Sample ID: 5ppm_PtPd_CICTFs	Date Collected: 02.03.2021 14:36:24
Analyst:	Data Type: Original
Initial Sample Wt:	Initial Sample Vol:
Dilution:	Sample Prep Vol:

Nebulizer Parameters: 5ppm_PtPd_CICTFs

Analyte	Back Pressure	Flow
All	114.0 kPa	0.80 L/min

Replicate Data: 5ppm_PtPd_CICTFs

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	Pd	491.0	778.7	-0.029 mg/L	-0.029 mg/L	14:38:06
1	Pt 265.945	197099.5	198336.9	3.908 mg/L	3.908 mg/L	14:38:32
2	Pd	396.6	684.3	-0.032 mg/L	-0.032 mg/L	14:38:14
2	Pt 265.945	194842.7	196080.1	3.862 mg/L	3.862 mg/L	14:38:39
3	Pd	541.8	829.6	-0.028 mg/L	-0.028 mg/L	14:38:22
3	Pt 265.945	192294.2	193531.6	3.810 mg/L	3.810 mg/L	14:38:44

Mean Data: 5ppm_PtPd_CICTFs

Analyte	Mean Corrected Intensity	Calib. Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Pd	764.2	-0.030 mg/L	0.0022	-0.030 mg/L	0.0022	7.43%
Pt 265.945	195982.8	3.860 mg/L	0.0494	3.860 mg/L	0.0494	1.28%