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Analysis BegunLogged In Analyst: UM Jabatan Kimia Technique: AA Flame
Spectrometer Model: AAnalyst 400, S/N 201S7081502 Autosampler Model:

Sample Information File: C:\data-AA\UM Jabatan Kimia\Sample Information\Nensi.sif

Batch ID:

Results Data Set:

Results Library:

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Method Loaded

Method Name: NensiNi

Method Last Saved: 3/5/2014 1:33:04 PM

Method Description: Ni Detection in Crude Oil samples

Sequence No.: 39

Autosampler Location:

Sample ID: Blank

Date Collected: 3/5/2014 1:37:20 PM

Analyst:

Data Type: Original

Replicate Data: Blank

Repl #	SampleConc mg/L	StdConc mg/L	BlkCorr Signal	Time	Signal Stored
1		[0.00]	0.165	13:37:24	No
2		[0.00]	0.166	13:37:28	No
3		[0.00]	0.165	13:37:33	No
Mean:		[0.00]	0.165		
SD:		0.00	0.0002		
%RSD:		0.00	0.10		

Auto-zero performed.

Sequence No.: 40

Autosampler Location:

Sample ID: Blank

Date Collected: 3/5/2014 1:37:45 PM

Analyst:

Data Type: Original

Replicate Data: Blank

Repl #	SampleConc mg/L	StdConc mg/L	BlkCorr Signal	Time	Signal Stored
1		[0.00]	-0.001	13:37:45	No
2		[0.00]	-0.000	13:37:49	No
3		[0.00]	-0.000	13:37:54	No
Mean:		[0.00]	-0.001		
SD:		0.00	0.0004		
%RSD:		0.00	66.50		

Auto-zero performed.

Sequence No.: 41

Autosampler Location:

Sample ID: Calib Std 1

Date Collected: 3/5/2014 1:38:13 PM

Analyst:

Data Type: Original

Replicate Data: Calib Std 1

Repl #	SampleConc mg/L	StdConc mg/L	BlkCorr Signal	Time	Signal Stored
1		[2.0]	0.155	13:38:14	No
2		[2.0]	0.154	13:38:19	No
3		[2.0]	0.156	13:38:23	No
Mean:		[2.0]	0.155		
SD:		0.0	0.0007		
%RSD:		0.0	0.48		

Standard number 1 applied. [2.0]

Correlation Coef.: 1.000000 Slope: 0.07739 Intercept: 0.00000

Sequence No.: 42
 Sample ID: Calib Std 2
 Analyst:

Autosampler Location:
 Date Collected: 3/5/2014 1:38:45 PM
 Data Type: Original

Replicate Data: Calib Std 2

Repl #	SampleConc mg/L	StndConc mg/L	Blncorr Signal	Time	Signal Stored
1		[3.0]	0.227	13:38:46	No
2		[3.0]	0.227	13:38:51	No
3		[3.0]	0.224	13:38:55	No
Mean:		[3.0]	0.226		
SD:		0.0	0.0016		
%RSD:		0.0	0.70		

Standard number 2 applied. [3.0]
 Correlation Coef.: 0.998151 Slope: 0.07605 Intercept: 0.00000

Sequence No.: 43
 Sample ID: Calib Std 3
 Analyst:

Autosampler Location:
 Date Collected: 3/5/2014 1:39:18 PM
 Data Type: Original

Replicate Data: Calib Std 3

Repl #	SampleConc mg/L	StndConc mg/L	Blncorr Signal	Time	Signal Stored
1		[3.5]	0.256	13:39:20	No
2		[3.5]	0.255	13:39:24	No
3		[3.5]	0.257	13:39:28	No
Mean:		[3.5]	0.256		
SD:		0.0	0.0008		
%RSD:		0.0	0.32		

Standard number 3 applied. [3.5]
 Correlation Coef.: 0.994923 Slope: 0.07464 Intercept: 0.00000

Sequence No.: 44
 Sample ID: Calib Std 4
 Analyst:

Autosampler Location:
 Date Collected: 3/5/2014 1:39:50 PM
 Data Type: Original

Replicate Data: Calib Std 4

Repl #	SampleConc mg/L	StndConc mg/L	Blncorr Signal	Time	Signal Stored
1		[4.0]	0.286	13:39:51	No
2		[4.0]	0.286	13:39:56	No
3		[4.0]	0.287	13:40:00	No
Mean:		[4.0]	0.286		
SD:		0.0	0.0006		
%RSD:		0.0	0.21		

Standard number 4 applied. [4.0]
 Correlation Coef.: 0.993258 Slope: 0.07346 Intercept: 0.00000

Calibration data for Ni 232.00

Equation: Linear Through Zero

ID	Mean Signal (Abs)	Entered Conc. mg/L	Calculated Conc. mg/L	Standard Deviation	%RSD
Blank	0.0000	0	0.000	0.00	66.5
Calib Std 1	0.1548	2.0	2.107	0.00	0.5
Calib Std 2	0.2263	3.0	3.080	0.00	0.7
Calib Std 3	0.2558	3.5	3.482	0.00	0.3
Calib Std 4	0.2861	4.0	3.895	0.00	0.2

Correlation Coef.: 0.993258 Slope: 0.07346 Intercept: 0.00000

Sequence No.: 45
 Sample ID: North Lukut A-1

Autosampler Location:
 Date Collected: 3/5/2014 1:40:29 PM

Analyst: Data Type: Original

Replicate Data: North Lukut A-1

Repl #	SampleConc mg/L	StndConc mg/L	Blncorr Signal	Time	Signal Stored
1	0.611	0.611	0.045	13:40:30	No
2	0.616	0.616	0.045	13:40:35	No
3	0.618	0.618	0.045	13:40:39	No
Mean:	0.615	0.615	0.045		
SD:	0.004	0.004	0.0003		
%RSD:	0.593	0.593	0.59		

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Sequence No.: 46

Sample ID: North Lukut A-2

Autosampler Location:

Analyst: Date Collected: 3/5/2014 1:41:03 PM

Data Type: Original

Replicate Data: North Lukut A-2

Repl #	SampleConc mg/L	StndConc mg/L	Blncorr Signal	Time	Signal Stored
1	0.640	0.640	0.047	13:41:04	No
2	0.644	0.644	0.047	13:41:09	No
3	0.642	0.642	0.047	13:41:13	No
Mean:	0.642	0.642	0.047		
SD:	0.002	0.002	0.0001		
%RSD:	0.283	0.283	0.28		

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Sequence No.: 47

Sample ID: North Lukut A-3

Autosampler Location:

Analyst: Date Collected: 3/5/2014 1:41:39 PM

Data Type: Original

Replicate Data: North Lukut A-3

Repl #	SampleConc mg/L	StndConc mg/L	Blncorr Signal	Time	Signal Stored
1	0.647	0.647	0.048	13:41:40	No
2	0.654	0.654	0.048	13:41:45	No
3	0.657	0.657	0.048	13:41:49	No
Mean:	0.653	0.653	0.048		
SD:	0.005	0.005	0.0004		
%RSD:	0.801	0.801	0.80		

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Sequence No.: 48

Sample ID: North Lukut A-5

Autosampler Location:

Analyst: Date Collected: 3/5/2014 1:42:11 PM

Data Type: Original

Replicate Data: North Lukut A-5

Repl #	SampleConc mg/L	StndConc mg/L	Blncorr Signal	Time	Signal Stored
1	0.623	0.623	0.046	13:42:13	No
2	0.634	0.634	0.047	13:42:17	No
3	0.633	0.633	0.046	13:42:21	No
Mean:	0.630	0.630	0.046		
SD:	0.006	0.006	0.0004		
%RSD:	0.941	0.941	0.94		

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Sequence No.: 49

Sample ID: North Lukut A-6

Autosampler Location:

Analyst: Date Collected: 3/5/2014 1:42:47 PM

Data Type: Original

Replicate Data: North Lukut A-6

Repl #	SampleConc mg/L	StndConc mg/L	Blncorr Signal	Time	Signal
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#	mg/L	mg/L	Signal		Stored
1	0.649	0.649	0.048	13:42:48	No
2	0.652	0.652	0.048	13:42:53	No
3	0.656	0.656	0.048	13:42:57	No
Mean:	0.653	0.653	0.048		
SD:	0.004	0.004	0.0003		
%RSD:	0.545	0.545	0.54		

Sequence No.: 50

Autosampler Location:

Sample ID: Penara A-2

Date Collected: 3/5/2014 1:43:19 PM

Analyst:

Data Type: Original

Replicate Data: Penara A-2

Repl #	SampleConc mg/L	StndConc mg/L	Blncorr Signal	Time	Signal Stored
1	0.540	0.540	0.040	13:43:20	No
2	0.544	0.544	0.040	13:43:25	No
3	0.547	0.547	0.040	13:43:29	No
Mean:	0.544	0.544	0.040		
SD:	0.003	0.003	0.0003		
%RSD:	0.641	0.641	0.64		

Sequence No.: 51

Autosampler Location:

Sample ID: Penara A-5L

Date Collected: 3/5/2014 1:43:50 PM

Analyst:

Data Type: Original

Replicate Data: Penara A-5L

Repl #	SampleConc mg/L	StndConc mg/L	Blncorr Signal	Time	Signal Stored
1	0.541	0.541	0.040	13:43:50	No
2	0.544	0.544	0.040	13:43:54	No
3	0.549	0.549	0.040	13:43:59	No
Mean:	0.545	0.545	0.040		
SD:	0.004	0.004	0.0003		
%RSD:	0.730	0.730	0.73		

Sequence No.: 52

Autosampler Location:

Sample ID: Penara A-6L

Date Collected: 3/5/2014 1:44:21 PM

Analyst:

Data Type: Original

Replicate Data: Penara A-6L

Repl #	SampleConc mg/L	StndConc mg/L	Blncorr Signal	Time	Signal Stored
1	0.528	0.528	0.039	13:44:22	No
2	0.540	0.540	0.040	13:44:27	No
3	0.546	0.546	0.040	13:44:31	No
Mean:	0.538	0.538	0.040		
SD:	0.009	0.009	0.0007		
%RSD:	1.673	1.673	1.67		