

Report Details

Report Location C:\Users\Didattica\Desktop\chim_fis_2\2016\1a2\bromobenzene.pdf
Report Creator user
Report Date Monday, May 30, 2016 4:26 PM

Sample Details

10

Sample Name 10
Sample Description Sample 018 By ir Date Monday, May 30 2016
Analyst user
Creation Date 5/30/2016 4:01:16 PM
X-Axis Units cm-1
Y-Axis Units A

15

Sample Name 15
Sample Description Sample 019 By ir Date Monday, May 30 2016
Analyst user
Creation Date 5/30/2016 4:06:16 PM
X-Axis Units cm-1
Y-Axis Units A

20

Sample Name 20
Sample Description Sample 020 By ir Date Monday, May 30 2016
Analyst user
Creation Date 5/30/2016 4:10:08 PM
X-Axis Units cm-1
Y-Axis Units A

25

Sample Name 25
Sample Description Sample 021 By ir Date Monday, May 30 2016
Analyst user
Creation Date 5/30/2016 4:14:00 PM
X-Axis Units cm-1
Y-Axis Units A

30

Sample Name 30
Sample Description Sample 022 By ir Date Monday, May 30 2016
Analyst user
Creation Date 5/30/2016 4:18:25 PM
X-Axis Units cm-1
Y-Axis Units A

x

Sample Name x
Sample Description Sample 023 By ir Date Monday, May 30 2016
Analyst user
Creation Date 5/30/2016 4:22:00 PM
X-Axis Units cm-1
Y-Axis Units A

Instrument Details

10

Instrument Model Spectrum Two
Instrument Serial Number 100169
Software Revision NIOS2 Main 00.02.0064 29-November-2013 10:09:27
Number of Scans 4
Resolution 1

15

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Number of Scans 4
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Instrument Model Spectrum Two
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Software Revision NIOS2 Main 00.02.0064 29-November-2013 10:09:27
Number of Scans 4
Resolution 1

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Instrument Model Spectrum Two
Instrument Serial Number 100169
Software Revision NIOS2 Main 00.02.0064 29-November-2013 10:09:27
Number of Scans 4
Resolution 1

x

Instrument Model Spectrum Two
Instrument Serial Number 100169
Software Revision NIOS2 Main 00.02.0064 29-November-2013 10:09:27
Number of Scans 4
Resolution 1

Instrument Details (Full)

10

Instrument Model Spectrum Two
Instrument Serial Number 100169
Software Revision NIOS2 Main 00.02.0064 29-November-2013 10:09:27
Number of Scans 4
Resolution 1
Detector MIR TGS
Source MIR
Beamsplitter OptKBr
Apodization Strong
Spectrum Type Spectrum
Beam Type Ratio
Phase correction Background
Scan Speed 0.2
IGram Type Single

Scan Direction	Combined
Zero Crossings	0
JStop	4.47
IR-Laser Wavenumber	11750.00
Manufacturer	L1600217
Part Number	L1600217
Description	Sample base plate assy (non RFID)
Default Scan Range / cm-1	4000 450
Temperature / °C	Not Specified
Accessory Type	Slide Holder
Slide Holder Option	KBr Disc

15

Instrument Model	Spectrum Two
Instrument Serial Number	100169
Software Revision	NIOS2 Main 00.02.0064 29-November-2013 10:09:27
Number of Scans	4
Resolution	1
Detector	MIR TGS
Source	MIR
Beamsplitter	OptKBr
Apodization	Strong
Spectrum Type	Spectrum
Beam Type	Ratio
Phase correction	Background
Scan Speed	0.2
IGram Type	Single
Scan Direction	Combined
Zero Crossings	0
JStop	4.47
IR-Laser Wavenumber	11750.00
Manufacturer	L1600217
Part Number	L1600217
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Instrument Serial Number	100169
Software Revision	NIOS2 Main 00.02.0064 29-November-2013 10:09:27
Number of Scans	4
Resolution	1
Detector	MIR TGS
Source	MIR
Beamsplitter	OptKBr
Apodization	Strong
Spectrum Type	Spectrum
Beam Type	Ratio
Phase correction	Background
Scan Speed	0.2
IGram Type	Single
Scan Direction	Combined

Zero Crossings	0
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Instrument Serial Number	100169
Software Revision	NIOS2 Main 00.02.0064 29-November-2013 10:09:27
Number of Scans	4
Resolution	1
Detector	MIR TGS
Source	MIR
Beamsplitter	OptKBr
Apodization	Strong
Spectrum Type	Spectrum
Beam Type	Ratio
Phase correction	Background
Scan Speed	0.2
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Scan Direction	Combined
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Instrument Serial Number	100169
Software Revision	NIOS2 Main 00.02.0064 29-November-2013 10:09:27
Number of Scans	4
Resolution	1
Detector	MIR TGS
Source	MIR
Beamsplitter	OptKBr
Apodization	Strong
Spectrum Type	Spectrum
Beam Type	Ratio
Phase correction	Background
Scan Speed	0.2
IGram Type	Single
Scan Direction	Combined
Zero Crossings	0

JStop 4.47
IR-Laser Wavenumber 11750.00
Manufacturer L1600217
Part Number L1600217
Description Sample base plate assy (non RFID)
Default Scan Range / cm-1 4000 450
Temperature / °C Not Specified
Accessory Type Slide Holder
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x

Instrument Model Spectrum Two
Instrument Serial Number 100169
Software Revision NIOS2 Main 00.02.0064 29-November-2013 10:09:27
Number of Scans 4
Resolution 1
Detector MIR TGS
Source MIR
Beamsplitter OptKBr
Apodization Strong
Spectrum Type Spectrum
Beam Type Ratio
Phase correction Background
Scan Speed 0.2
IGram Type Single
Scan Direction Combined
Zero Crossings 0
JStop 4.47
IR-Laser Wavenumber 11750.00
Manufacturer L1600217
Part Number L1600217
Description Sample base plate assy (non RFID)
Default Scan Range / cm-1 4000 450
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Accessory

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Manufacturer L1600217
Part Number L1600217
Description Sample base plate assy (non RFID)
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 Part Number L1600217
 Description Sample base plate assy (non RFID)
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 Temperature / °C Not Specified
 Accessory Type Slide Holder
 Slide Holder Option KBr Disc

x
 Manufacturer L1600217
 Part Number L1600217
 Description Sample base plate assy (non RFID)
 Default Scan Range / cm-1 4000 450
 Temperature / °C Not Specified
 Accessory Type Slide Holder
 Slide Holder Option KBr Disc

Quality Checks

10
 Water Vapor Passed
 Carbon Dioxide Passed
 Baseline Low Passed
 Baseline High Warning
 Baseline Slope Passed
 Strong Bands Warning
 Weak Bands Passed
 High Noise Passed
 Fringes Passed
 Vignetting Passed
 Blocked Beam Passed
 Negative Bands Warning
 Zero Transmission Caution
 Stray Light Passed
 Window Cutoff Passed

15
 Water Vapor Passed

Carbon Dioxide	Passed
Baseline Low	Passed
Baseline High	Warning
Baseline Slope	Passed
Strong Bands	Warning
Weak Bands	Passed
High Noise	Passed
Fringes	Passed
Vignetting	Passed
Blocked Beam	Passed
Negative Bands	Warning
Zero Transmission	Caution
Stray Light	Passed
Window Cutoff	Passed

20

Water Vapor	Passed
Carbon Dioxide	Passed
Baseline Low	Passed
Baseline High	Warning
Baseline Slope	Passed
Strong Bands	Warning
Weak Bands	Passed
High Noise	Passed
Fringes	Passed
Vignetting	Passed
Blocked Beam	Passed
Negative Bands	Warning
Zero Transmission	Caution
Stray Light	Passed
Window Cutoff	Passed

25

Water Vapor	Passed
Carbon Dioxide	Passed
Baseline Low	Passed
Baseline High	Warning
Baseline Slope	Passed
Strong Bands	Warning
Weak Bands	Passed
High Noise	Passed
Fringes	Passed
Vignetting	Passed
Blocked Beam	Passed
Negative Bands	Warning
Zero Transmission	Caution
Stray Light	Passed
Window Cutoff	Passed

30

Water Vapor	Passed
Carbon Dioxide	Passed
Baseline Low	Passed
Baseline High	Warning
Baseline Slope	Passed
Strong Bands	Warning

Weak Bands Passed
High Noise Passed
Fringes Passed
Vignetting Passed
Blocked Beam Passed
Negative Bands Warning
Zero Transmission Caution
Stray Light Passed
Window Cutoff Passed

x

Water Vapor Passed
Carbon Dioxide Passed
Baseline Low Passed
Baseline High Warning
Baseline Slope Passed
Strong Bands Warning
Weak Bands Passed
High Noise Passed
Fringes Passed
Vignetting Passed
Blocked Beam Passed
Negative Bands Warning
Zero Transmission Caution
Stray Light Passed
Window Cutoff Passed

History

10

Who	What	When	Parameters	Comment
user	Created as New Dataset	5/30/2016 4:01:16 PM		Sample 018 By ir Date Monday, May 30 2016
user	Atmospheric Correction	5/30/2016 4:01:16 PM		
user	Absorbance	5/30/2016 4:01:16 PM	"Channel:1", "Result.sp"	

15

Who	What	When	Parameters	Comment
user	Created as New Dataset	5/30/2016 4:06:16 PM		Sample 019 By ir Date Monday, May 30 2016
user	Atmospheric Correction	5/30/2016 4:06:16 PM		
user	Absorbance	5/30/2016 4:06:16 PM	"Channel:1", "Result.sp"	

20

Who	What	When	Parameters	Comment
user	Created as New Dataset	5/30/2016 4:10:08 PM		Sample 020 By ir Date Monday, May 30 2016
user	Atmospheric Correction	5/30/2016 4:10:08 PM		
user	Absorbance	5/30/2016 4:10:08 PM	"Channel:1", "Result.sp"	

25

Who	What	When	Parameters	Comment
user	Created as New Dataset	5/30/2016 4:14:00 PM		Sample 021 By ir Date Monday, May 30 2016
user	Atmospheric Correction	5/30/2016 4:14:00 PM		
user	Absorbance	5/30/2016 4:14:00 PM	"Channel:1", "Result.sp"	

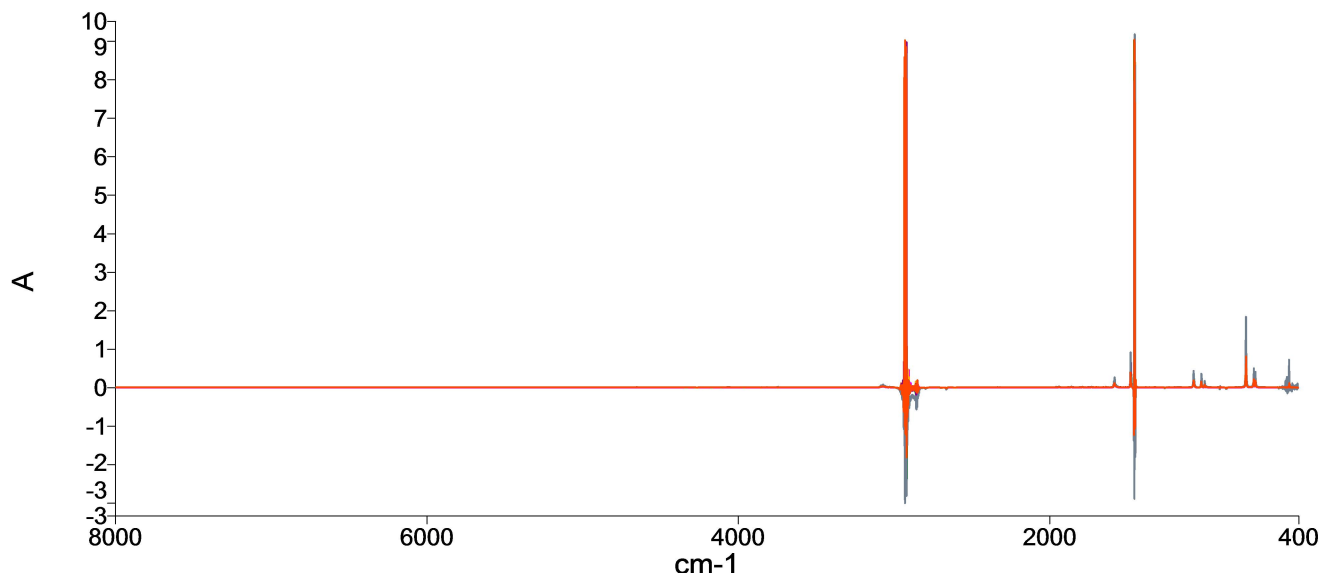
30

Who	What	When	Parameters	Comment
user	Created as New Dataset	5/30/2016 4:18:25 PM		Sample 022 By ir Date Monday, May 30 2016
user	Atmospheric Correction	5/30/2016 4:18:25 PM		
user	Absorbance	5/30/2016 4:18:25 PM	"Channel:1", "Result.sp"	

x

Who	What	When	Parameters	Comment
user	Created as New Dataset	5/30/2016 4:22:00 PM		Sample 023 By ir Date Monday, May 30 2016
user	Atmospheric Correction	5/30/2016 4:22:00 PM		
user	Absorbance	5/30/2016 4:22:01 PM	"Channel:1", "Result.sp"	

Spectrum

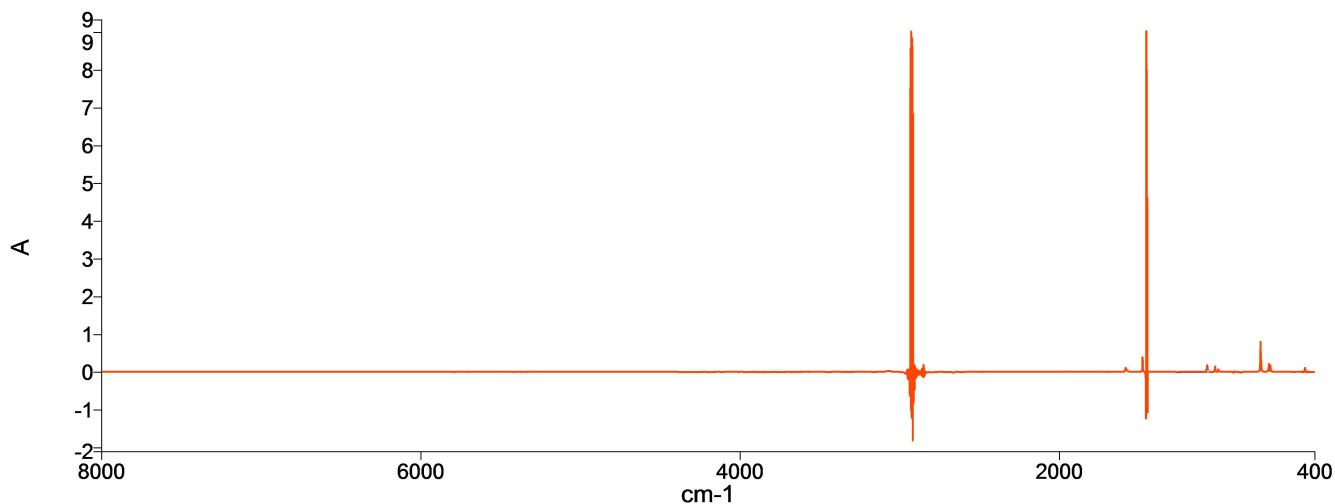


Name	Description
10	Sample 018 By ir Date Monday, May 30 2016
15	Sample 019 By ir Date Monday, May 30 2016
20	Sample 020 By ir Date Monday, May 30 2016
25	Sample 021 By ir Date Monday, May 30 2016
30	Sample 022 By ir Date Monday, May 30 2016
x	Sample 023 By ir Date Monday, May 30 2016

Summary

Sample Name	Description	Quality
10	Sample 018 By ir Date Monday, May 30 2016	The Quality Checks give rise to multiple warnings for the sample.
15	Sample 019 By ir Date Monday, May 30 2016	The Quality Checks give rise to multiple warnings for the sample.
20	Sample 020 By ir Date Monday, May 30 2016	The Quality Checks give rise to multiple warnings for the sample.
25	Sample 021 By ir Date Monday, May 30 2016	The Quality Checks give rise to multiple warnings for the sample.
30	Sample 022 By ir Date Monday, May 30 2016	The Quality Checks give rise to multiple warnings for the sample.
x	Sample 023 By ir Date Monday, May 30 2016	The Quality Checks give rise to multiple warnings for the sample.

Peak Table Spectrum



Name Description
 x Sample 023 By ir Date Monday, May 30 2016

Peak Area/Height Results

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	734.56	0.6206	3.62	0.6196	860.64	704.92	860.64	704.92

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	734.56	0.9412	6	0.9412	860.64	704.92	860.89	704.94

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	734.57	1.2507	7.73	1.2494	860.64	704.92	860.89	705.17

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	734.57	1.5684	10.06	1.567	860.64	704.92	860.73	704.67

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	734.57	1.8399	11.95	1.8377	860.64	704.92	860.54	705.17

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	734.56	0.803	5.32	0.8036	860.64	704.92	860.39	705.17

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	1070.83	0.1396	2.19	0.1436	1257.05	1038.82	1257.05	1038.82

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	1070.82	0.2144	3.93	0.2229	1257.05	1038.82	1257.3	1039.07

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	1070.79	0.2884	4.85	0.2981	1257.05	1038.82	1256.95	1039.07

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	1070.78	0.3679	6.1	0.3789	1257.05	1038.82	1257.19	1039.07

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	1070.76	0.4319	7.76	0.4461	1257.05	1038.82	1257.29	1039.07

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	1070.81	0.1814	3.44	0.1896	1257.05	1038.82	1257.3	1039.07