

TABLE OF CONTENTS

Agilent 8890 GC System – Serial # US21-43A010

ASAP IRD3 528A – Serial # A10051-C15

HAGRID

Abstract & Performance Check Overview
Instrument and Component Specifications
Purpose of Performance Check
Training Requirements
Performance Check Procedure
Analytical Standard Specifications
Methods and Standards Analyzed
Method Parameters and Standards Data

Abstract & Performance Check Overview

Agilent 8890 GC System – Serial # US21-43A010

ASAP IRD3 528A – Serial # A10051-C15

HAGRID

The following documentation performance checks gas chromatograph / infrared spectrometer instrumentation combined with a large volume programmable temperature vaporizing (PTV) inlet and DB-5 column acquisitioned from Agilent Technologies and ASAP Analytical for analytical utilization in the Forensic Chemistry Unit (FCU) of the Tennessee Bureau of Investigation Crime Laboratory in Knoxville, Tennessee. Method establishment with parametric consideration of the following parameters—system temperature (inlet, GC oven ramping and duration, transfer line), column, pressure (inlet, column), flow rates (column, split / solvent vent), split ratio, solvent rent ratio, light pipe, liners and autosampler tower specifications and adjustments— inaugurates performance verification of Agilent 8890 GC System and ASAP IRD3 528A utilizing a variety of controlled substance analytical standards. These standards ranged in molecular weight and resulting elution times. Because this system is procedurally like GC/IR systems currently in use from Agilent Technologies and ASAP Analytical and validated within the FCU, analysis of analytical standards in the initial method configuration guided subsequent manipulation of parameters to the final establishment of method parameters. Methods were verified as acceptable with performance data of spectral analysis of the infrared spectrometer. Also, during the entire process inlet maintenance, instrument alignment and analysis of the calibration standard mix (pethidine, cocaine and hydrocodone) for this GC/IR were routinely performed to monitor and assess system functionality. The concluding recommendations from the review of method parameters, functionality and data of specified analytical standards for specified GC methods is for this Agilent 8890 GC System with a PTV inlet and ASAP IRD3 528A, Hagrid, to be utilized for the analysis of controlled substances in the Forensic Chemisty Unit.

Instrument and Component Specifications

Agilent 8890 GC System – Serial # US21-43A010

ASAP IRD3 528A – Serial # A10051-C15

HAGRID

Gas Chromatograph:

Agilent GC8890 (G3540A)

Serial # US21-43A010

Infrared Spectrometer:

ASAP Analytical IRD3 528A

Serial # A10051-C15

Autosampler Tray:

Agilent 7693A

Serial # R021397058

Autosampler Towers:

Agilent G4513A

Serial # R021425026

Columns:

Agilent J&W DB-5

Part # 123-503E, 20 meters, 0.32 mm diameter, 0.5 μ film thickness

Serial # US4181012H

Computer Operating System:

Device Specifications:

Model name	
Device name	Hagrid.TBI.AD.State.TN.us
Processor	Intel® Core™ i5-10500T CPU @2.30 Hz 2.30 GHz
Installed RAM	24.0 GB (23.7 GB usable)
Device ID	94923771-EE67-46AD-8E48-7588777E6F9A
Product ID	00355-62725-07104-AA0EM
System type	64-bit operating system x64 based processor

Windows Specifications

Edition	Windows 11 Pro
Version	23H2
Installed on	01/29/2024
OS build	22631.3880
Experience	Windows Feature Experience Pack 1000.22700.1020.0

Productivity Tools

OpenLab CDS ChemStation Edition
REV.C.01.10[287]
Copyright Agilent Technologies (2001-2020)

ASAP Analytical IRD3 Software

Version 2.2.00

Copyright 2010

Essential FTIR v.3.50.209

Fingerprint = FCFC-915B, Drive SN = FNA9N45471330995P_00000001

Copyright 2005,2006-2024 Operant LLC

Purpose of Performance Check

Agilent 8890 GC System – Serial # US21-43A010

ASAP IRD3 528A – Serial # A10051-C15

HAGRID

This validation/ Performance check will evaluate the effectiveness of the large volume programmable temperature vaporizing (PTV) inlet called the Titan XL paired with an Agilent J&W DB-5 column. Due to adulterants, multiple controlled substances within samples and limited sample volumes, chromatographic methodology is necessary for separation, isolation and identification of these compounds. Therefore, the purpose of this study is to establish method parameters for the PTV inlet, the DB-5 column and gas chromatograph utilizing autosampler mode of analysis. The methods will then be tested for function and practicality by injecting a variety of analytical standards to demonstrate detection at varying oven temperature initial set points and duration with ramped end points.

Training Requirements

Agilent 8890 GC System – Serial # US21-43A010

ASAP IRD3 528A – Serial # A10051-C15

HAGRID

The Agilent 8890 GC system with a PTV inlet, DB-5 column, and ASAP IRD3 528A performs in concert with OpenLab ChemStation and ASAP IRD3 software consistent with Hagrid's system before the addition of the PTV inlet paired with the DB-5 column and functions in the same way as other present GCIR(s). The addition of the PTV inlet and DB-5 column has changed the methods used when analyzing samples but the software remains the same. Analysts have been made aware of the new methods and do not require extra training to utilize them in analytical casework.

Performance Check Procedure

Agilent 8890 GC System – Serial # US21-43A010

ASAP IRD3 528A – Serial # A10051-C15

HAGRID

Instrument Setup:

The initial PTV inlet setup and check-out procedure was performed by ASAP Analytical representative Rick Herrmann. All other components (including the DB-5 column) were already installed and/or in operation before the addition of the PTV inlet.

Maintenance:

Throughout the performance check procedure, regular inlet maintenance, instrument alignments and analysis of the GC/IR Calibration Standard Mix will be performed. Note: this will not necessarily be performed on a weekly basis but in conjunction with time devoted to the development testing and establishment of the methods.

Establishing method parameters:

Utilizing ChemStation software, method construction begins with referencing established TBI FCU GC/IR methods generated during the validation of the PTV inlet and DB-5 column. Any adjustments of the methods will be named and saved.

Increased Sensitivity Methods:

Several methods were created with larger injection volumes for increased sensitivity as needed for weak or trace amounts of samples. Standards that were considered weak or undetectable on the GC/IR previously were run on these methods and sometimes compared to methods with smaller injection volumes to observe the difference in data.

Evaluation:

Acquired data from the aforementioned methods were considered in the establishment of methods, ensuring detection, spectra quality and elution time as well as baseline separation of standard mixtures such as GC/IR Calibration Standard Mix (pethidine, cocaine, hydrocodone) and the P-MOX standard (phentermine, methamphetamine, xylazine, 4-ANPP, heroin, fentanyl, para-fluorofentanyl)

Analytical Standard Specifications

Agilent 8890 GC System – Serial # US21-43A010

ASAP IRD3 528A – Serial # A10051-C15

HAGRID

Standards Analyzed

Alprazolam Std

MeOH (Fisher Lot#198477 Bottle $\frac{3}{4}$ exp. u/c)

(Sigma# 117K4017)

Made by ZJ 03/25/22

Reverified by LMM 2/13/24 exp. 02/13/25

Amphetamine Std

MeOH (Fisher Lot# 223204 exp u/c)

(Sigma# 79H0603)

Made by CES 04/26/23

Reverified by LMM 02/14/24 exp. 02/14/25

Buprenorphine Std

MeOH (Fisher Lot# 223204 Bottle $\frac{3}{4}$ exp. u/c)

(Sigma# SLBN0684V)

Made by SR 11/14/23 exp. 11/14/24

Delta 9 THC Std

MeOH from supplier

(Cayman 0651179)

Made by LMM 09/26/23 exp. 06/21/25

Etizolam Std

MeOH (Fisher Lot# 217364 Bottle $\frac{4}{4}$ exp. u/c)

(Cayman# 0480732-55)

Made by CNS 03/13/23

Reverified by LMM 02/14/24 exp. 02/14/25

Gabapentin Std

MeOH (Fisher Lot# 217364 Bottle 4/4 exp. u/c

(Cayman# 0433771-61)

Made by ZJ 04/10/23

Reverified by LMM 02/14/24 exp. 02/14/25

GCIR Mix Std

CHCl₃ (Acros B0542909B Bottle ¾ exp. u/c)

w/ DI H₂O + Base cap NH₄OH (BDH 2014061276 exp. u/c)

Amphetamine (Sigma# 79H0603)

Methamphetamine (Sigma# 50H02161)

Phentermine (Sigma# 074K1059)

Made by CNS 06/18/24 exp. 06/18/25

Isotonitazene Std

MeOH (Fisher Lot# 217364 Bottle 4/4 exp. u/c)

(Cayman# 0586760-21)

Made by ZJ 06/01/23

Reverified by LMM 04/03/24 exp. 04/03/25

Metonitazene Std

Acetonitrile from Supplier (diluted with VWR 10000279609 exp. 02/25/25)

(Cayman# 0608348-45)

Made by SR 05/13/24

Reverified by LMM 02/25/24 exp. 02/25/25

Oxycodone Std

MeOH (Fisher Lot# 206401 Bottle 4/4 exp. u/c)

(Sigma# 085K1833)

Made by HP 01/12/22

Reverified by LMM 10/09/23 exp. 10/09/24

PMOX Std

CHCl₃ (Acros B0542909B exp. u/c)

w/ DI H₂O + Base cap NH₄OH (BDH/VWR 201442806 exp. u/c)

Phentermine (Sigma# 074K1059)

Methamphetamine (Sigma# 071K1580)

Xylazine (Cayman# 0471462-19)

4-ANPP (Cayman# 0540831-18)

Heroin (Cayman# 0549959-44)

Fentanyl (Cayman# 0549959-44)

Para-fluorofentanyl (Cayman# 0541563-58)

Made by JS 04/01/24 exp. 04/01/25

Standard Mix

CHCl₃ (Acros B0542909B Bottle 2/4 exp. u/c)

w/ DI H₂O + Base cap NH₄OH (BDH/VWR 2014061276 exp. u/c)

Pethidine (S.B. 413NMN-027)

Cocaine (Sigma# 59H0640)

Hydrocodone (Cayman# 0616125-6 1/4)

Hydrocodone ((Cayman# 0616125-6 2/4)

Made by HP/MM/AW 01/12/24 exp. 01/12/25

Testosterone Std

CHCl₃ (Acros B0542909B Bottle 1/4 Exp. u/c)

(Sigma# 055K1785)

Made by AW 11/22/23 exp. 11/22/24

Methods and Standards Analyzed

Agilent 8890 GC System – Serial # US21-43A010

ASAP IRD3 528A – Serial # A10051-C15

HAGRID

GCIR PTV Inlet Auto Sample Injection

DRUG6: GCIR Mix

DRUG10: Standard Mix
P-MOX Std

DRUG14: Alprazolam Std
P-MOX Std
Standard Mix

DRUG20: Etizolam Std
Gabapentin Std

DRUG30: Buprenorphine Std
Testosterone Std

ISODRUG14: Oxycodone Std
P-MOX Std

ISODRUG30: Isotonitazene Std
Metonitazene Std

LGISODRUG10: Oxycodone Std
Standard Mix

LGISODRUG30: Testosterone Std

LGDRUG10: Standard Mix
Amphetamine Std

LGDRUG20: Alprazolam Std

LGDRUG30: Metonitazene Std
Buprenorphine Std
Isotonitazene Std

SLOWDRUG10: Delta 9 THC Std
P-MOX Std

Method Parameters and Standards Data

Agilent 8890 GC System – Serial # US21-43A010

ASAP IRD3 528A – Serial # A10051-C15

HAGRID

Front Column: PTV Injection port at 250C with 1ul injection

DRUG6: 1ul injection, Initial 120C, hold for 1 minute, Ramp @70c per minute to 270C. 6-minute method

DRUG10: 1ul injection, Initial 120C, hold for 1 minute, Ramp @70c per minute to 270C. 10-minute method

DRUG14: 1ul injection, Initial 120C, hold for 1 minute, Ramp @70c per minute to 270C. 14-minute method

DRUG20: 1ul injection, Initial 120C, hold for 1 minute, Ramp @70c per minute to 270C. 20-minute method

DRUG30: 1ul injection, Initial 120C, hold for 1 minute, Ramp @70c per minute to 270C. 30-minute method

ISODRUG14: 1ul injection, Initial 270C, hold for 14 minutes @ 270c, 14-minute method

ISODRUG30: 1ul injection, initial 270C, hold for 30 minutes @ 270c, 30-minute method

WASH10: 3ul injection, initial 270C, hold for 10 minutes

WASH5: 3ul injection, Initial 270C, hold for 5 minutes

Front Column: PTV Injection port at 60C with an injection volume of 10ul.

LGISODRUG10: 10ul injection, start 270C, hold for 10 minutes @270C. 10 Minute method

LGISODRUG30: 10ul injection, start 120C, hold for 30 minutes @ 270C. 30 Minute method

LGDRUG10: 10ul injection, start 120C, hold for 1 minute, Ramp at 70c per minute to 270c. 10 Minute method

LGDRUG20: 10ul injection, start 120C, hold for 1 minute, Ramp at 70c per minute to 270c. 20 Minute method

LGDRUG30: 10ul injection, start 120C, hold for 1 minute, Ramp at 70c per minute to 270c.
30 Minute method

Front Column: PTV Injection port at 150C with an injection volume of 1ul.

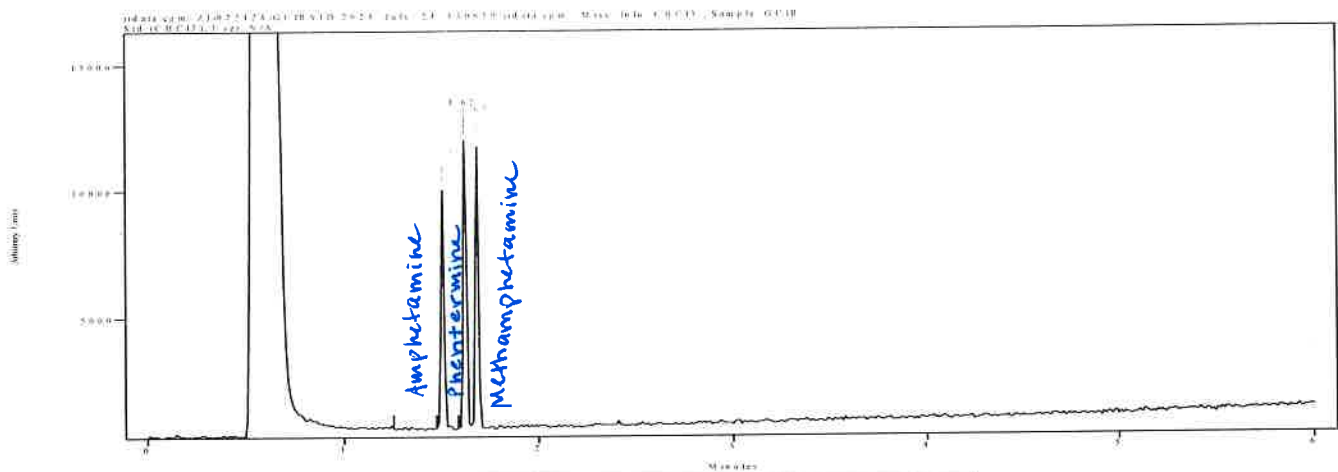
SLOWDRUG10: Initial 120c, hold for 1 minute, Ramp @ 35C per minute to 270C. 10-minute method

STANDBY: Inlet standby method. PTV @70c, 1ul injection, oven at 60C Ramp @70c/min to 270C. 5-minute method

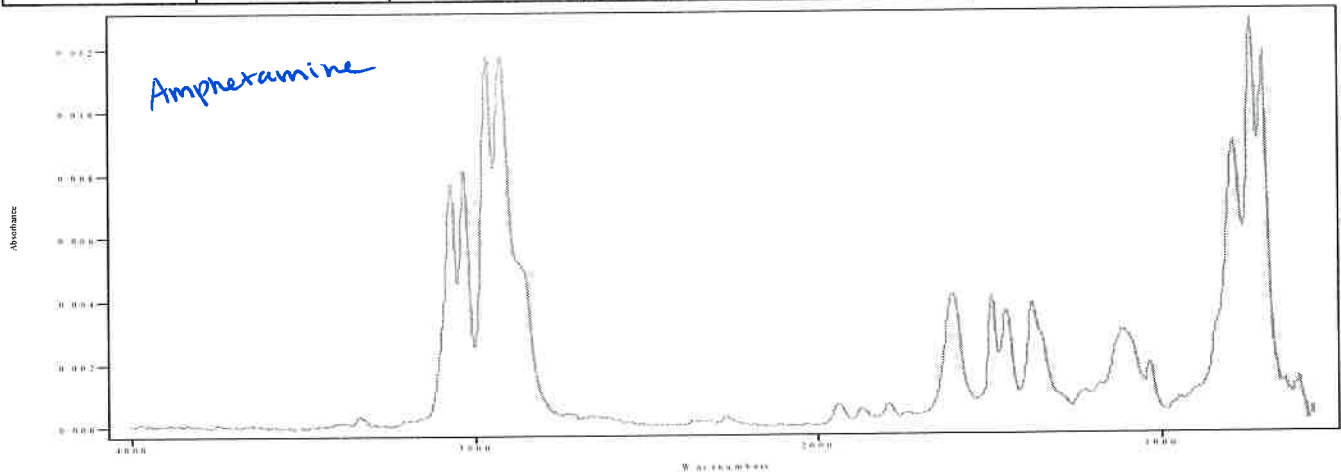
Note: WASH10, WASH5, and STANDBY method are not used for sample analysis. They were created to flush the column between runs and set the PTV inlet to a lower temperature during down time.

IRD Data Analysis Report

Data Filename	ZJ-072424-GCIRSTD 2024_July_24_130659
Data Path	C:/ASAP DATA/Hagrid 2024/Jul 2024/07-24-24
IRD Method	IRD3 EXT
GC Method	DRUG6
GC Vial	6
Sample Name	GCIR Std (CHCl3)
Misc. Info	CHCl3
User ID	N/A <i>Hagrid</i>
Injection Time	Wed Jul 24 13:15:49 2024
Date Processed	Thu Jul 25 10:26:16 2024



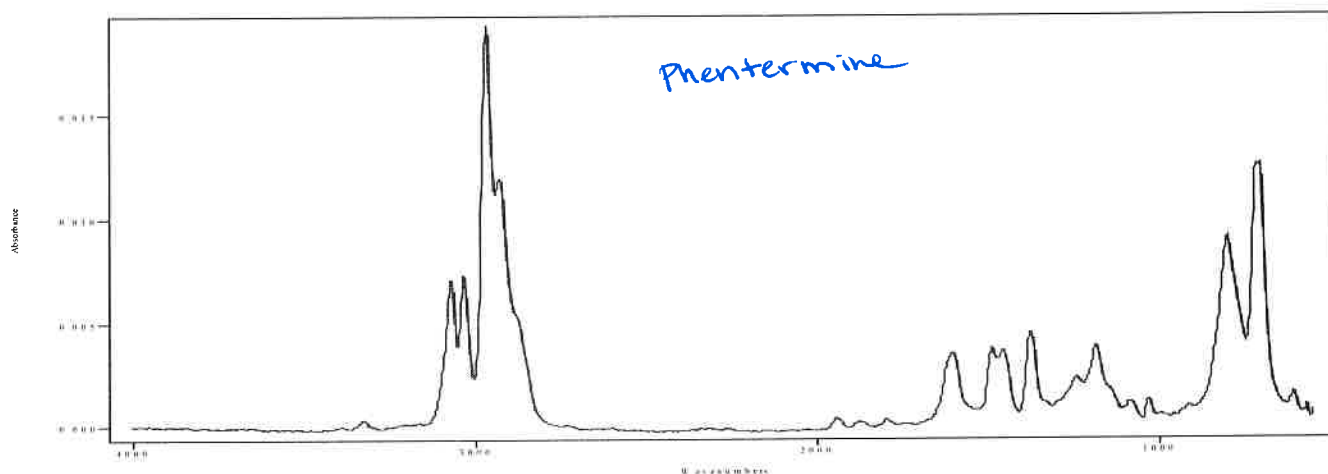
Peak Start	Peak End	Peak Width	Reference Start	Reference End
1.478	1.522	0.044	1.259	1.478
1.587	1.642	0.055	1.259	1.478
1.664	1.697	0.033	1.259	1.478



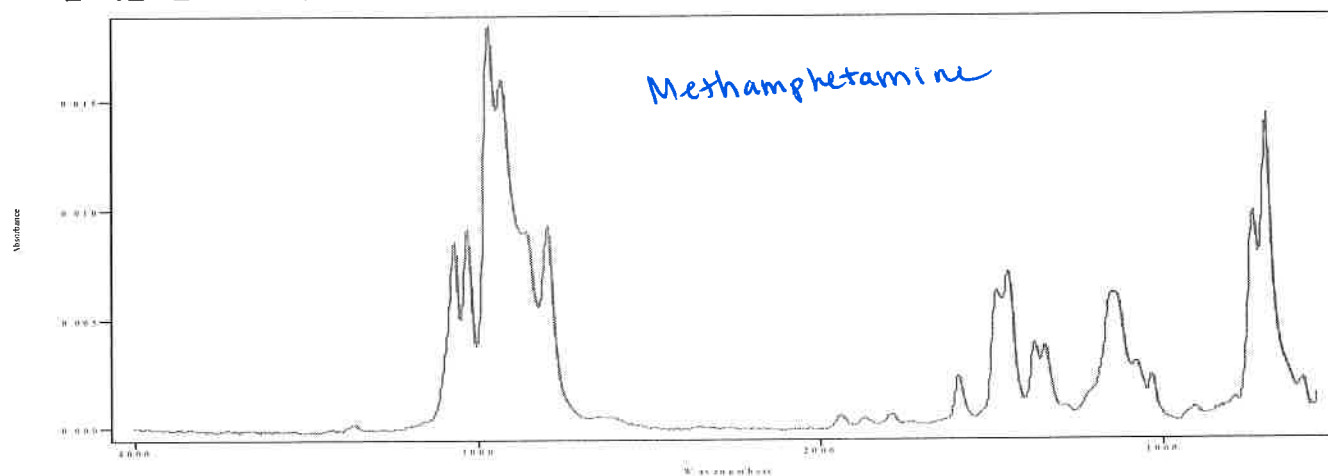
IRDATA.SPC: 1.51 minutes: AVE (1.48: 1.52) Ref. (1.26: 1.48) of ZJ-072424-GCIRSTD 2024_July_24_130659.cgm

IRD Data Analysis Report

Data Filename	ZJ-072424-GCIRSTD 2024_July_24_130659
Data Path	C:/ASAP DATA/Hagrid 2024/Jul 2024/07-24-24
IRD Method	IRD3 EXT
GC Method	DRUG6
GC Vial	6
Sample Name	GCIR Std (CHCl3)
Misc. Info	CHCl3:
User ID	~~N/A~~ Hagrid
Injection Time	Wed Jul 24 13:15:49 2024
Date Processed	Thu Jul 25 10:26:16 2024



IRDATA.SPC: 1.62 minutes: AVE (1.59: 1.64) Ref. (1.26: 1.48) of ZJ-072424-GCIRSTD 2024_July_24_130659.cgm

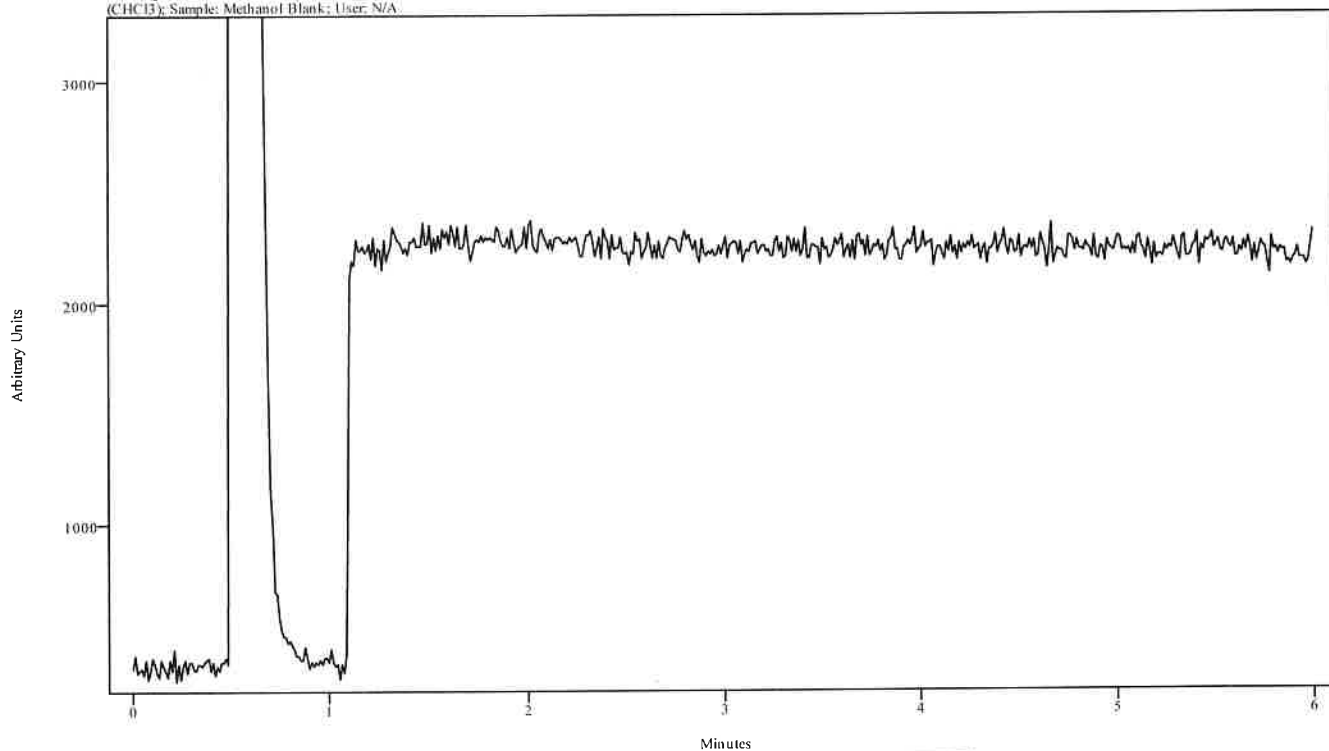


IRDATA.SPC: 1.69 minutes: AVE (1.66: 1.70) Ref. (1.26: 1.48) of ZJ-072424-GCIRSTD 2024_July_24_130659.cgm

IRD Data Analysis Report

Data Filename	ZJ-072424-GCIRSTD-B 2024_July_24_125816
Data Path	C:/ASAP DATA/Hagrid 2024/Jul 2024/07-24-24
IRD Method	IRD3 EXT
GC Method	DRUG6
GC Vial	1
Sample Name	Methanol Blank
Misc. Info	MeOH:GCIR Std (CHCl3)
User ID	~~N/A~~ <i>25 Hagrid</i>
Injection Time	Wed Jul 24 13:06:59 2024
Date Processed	Thu Jul 25 10:25:05 2024

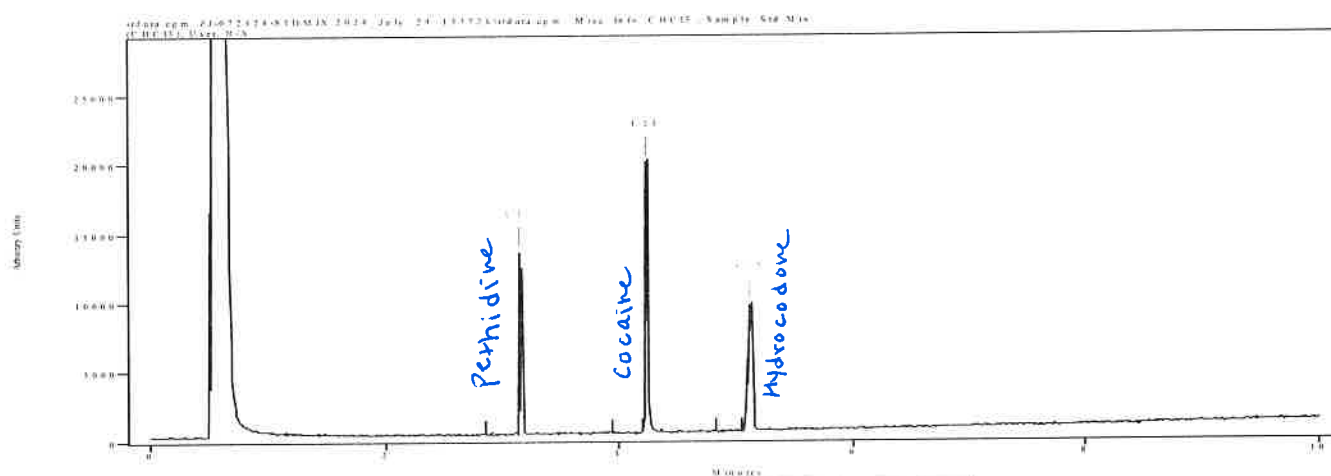
indata.cgm: ZJ-072424-GCIRSTD-B 2024_July_24_125816\indata.cgm : Misc. Info: MeOH:GCIR Std (CHCl3); Sample: Methanol Blank; User: N/A



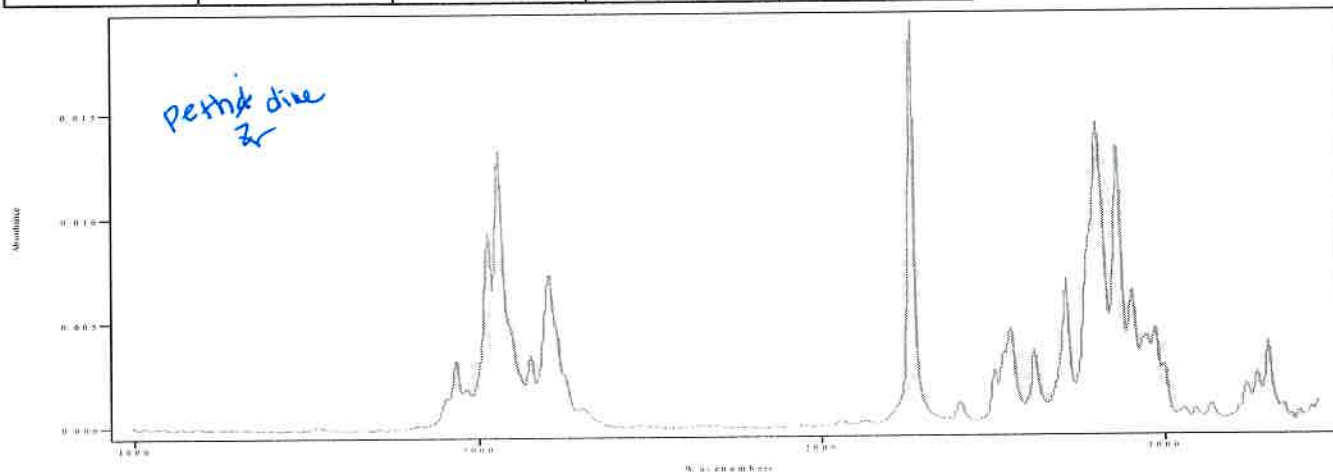
Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

IRD Data Analysis Report

Data Filename	ZJ-072424-STD MIX 2024_July_24_133726
Data Path	C:/ASAP DATA/Hagrid 2024/Jul 2024/07-24-24
IRD Method	IRD3 EXT
GC Method	DRUG10
GC Vial	2
Sample Name	Std Mix (CHCl3)
Misc. Info	CHCl3:
User ID	~~N/A~~ <i>Hagrid</i>
Injection Time	Wed Jul 24 13:50:20 2024
Date Processed	Thu Jul 25 10:26:57 2024



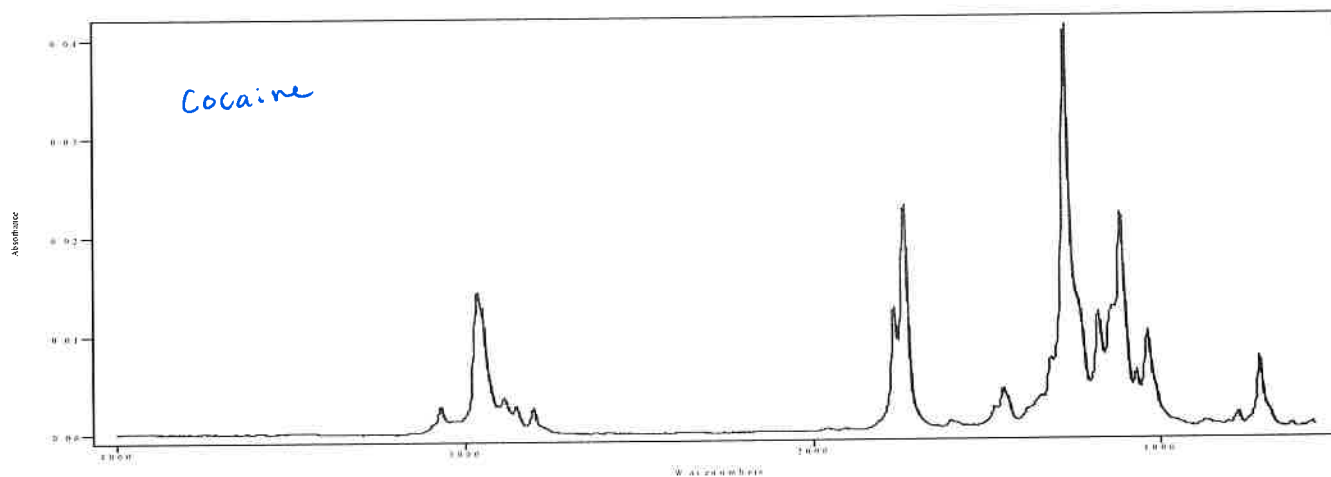
Peak Start	Peak End	Peak Width	Reference Start	Reference End
3.120	3.175	0.055	2.858	3.120
4.193	4.259	0.066	3.931	4.193
5.091	5.146	0.055	4.829	5.048



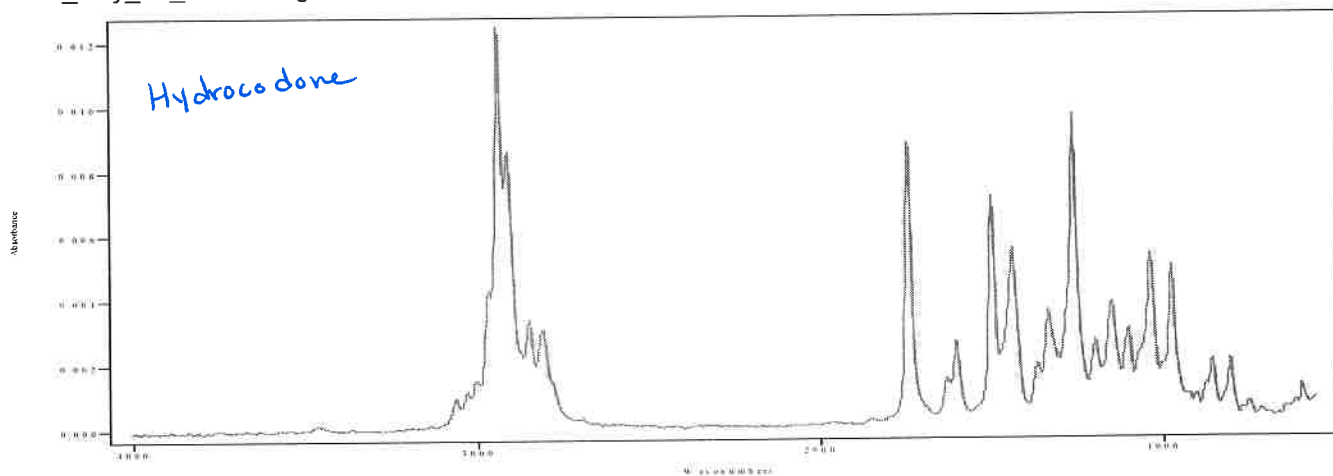
IRDATA.SPC: 3.15 minutes: AVE (3.12: 3.18) Ref. (2.86: 3.12) of ZJ-072424-STD MIX 2024_July_24_133726.cgm

IRD Data Analysis Report

Data Filename	ZJ-072424-STD MIX 2024_July_24_133726
Data Path	C:/ASAP DATA/Hagrid 2024/Jul 2024/07-24-24
IRD Method	IRD3 EXT
GC Method	DRUG10
GC Vial	2
Sample Name	Std Mix (CHCl3)
Misc. Info	CHCl3:
User ID	N/A <i>Hagrid</i>
Injection Time	Wed Jul 24 13:50:20 2024
Date Processed	Thu Jul 25 10:26:57 2024



IRDATA.SPC: 4.24 minutes: AVE (4.19: 4.26) Ref. (3.93: 4.19) of ZJ-072424-STD MIX 2024_July_24_133726.cgm

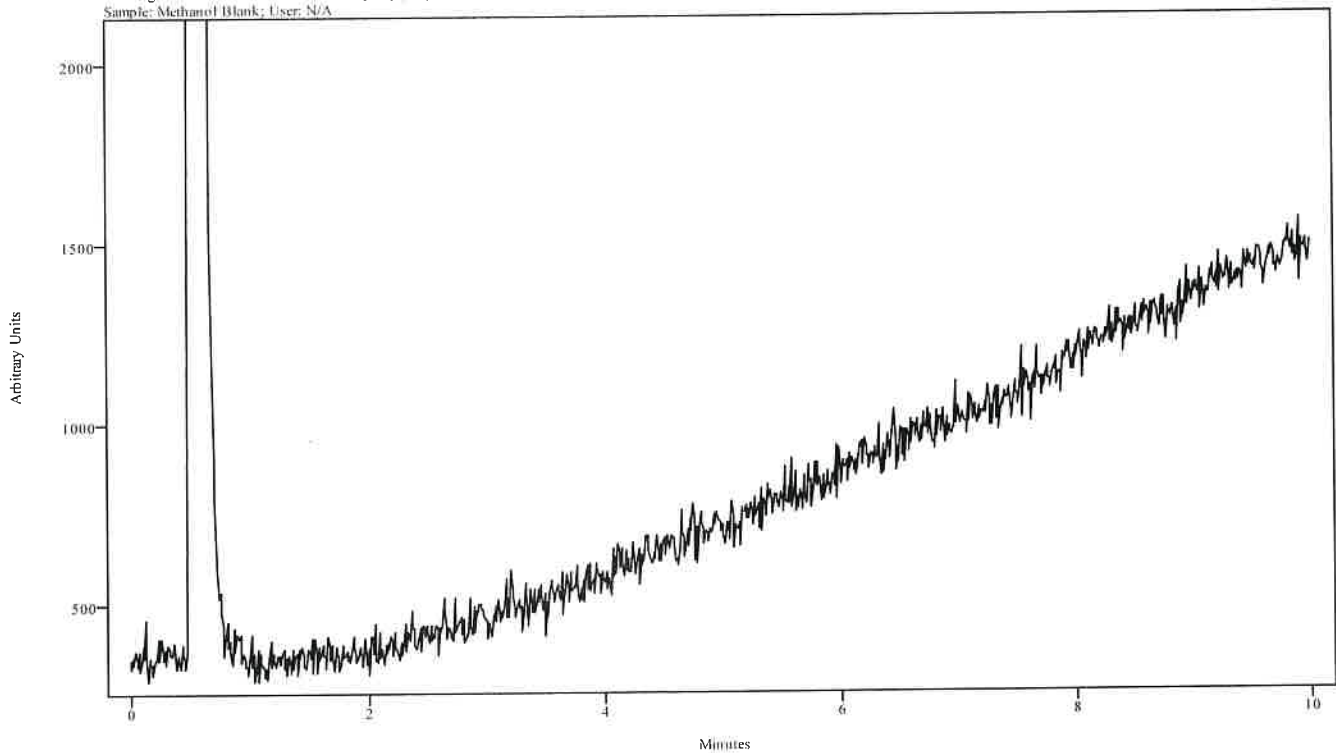


IRDATA.SPC: 5.12 minutes: AVE (5.09: 5.15) Ref. (4.83: 5.05) of ZJ-072424-STD MIX 2024_July_24_133726.cgm

IRD Data Analysis Report

Data Filename	ZJ-072424-STD MIX-B 2024_July_24_132439
Data Path	C:/ASAP DATA/Hagrid 2024/Jul 2024/07-24-24
IRD Method	IRD3 EXT
GC Method	DRUG10
GC Vial	1
Sample Name	Methanol Blank
Misc. Info	MeOH:Std Mix (CHCl3)
User ID	N/A <i>Z. Hagrid</i>
Injection Time	Wed Jul 24 13:37:26 2024
Date Processed	Thu Jul 25 10:26:46 2024

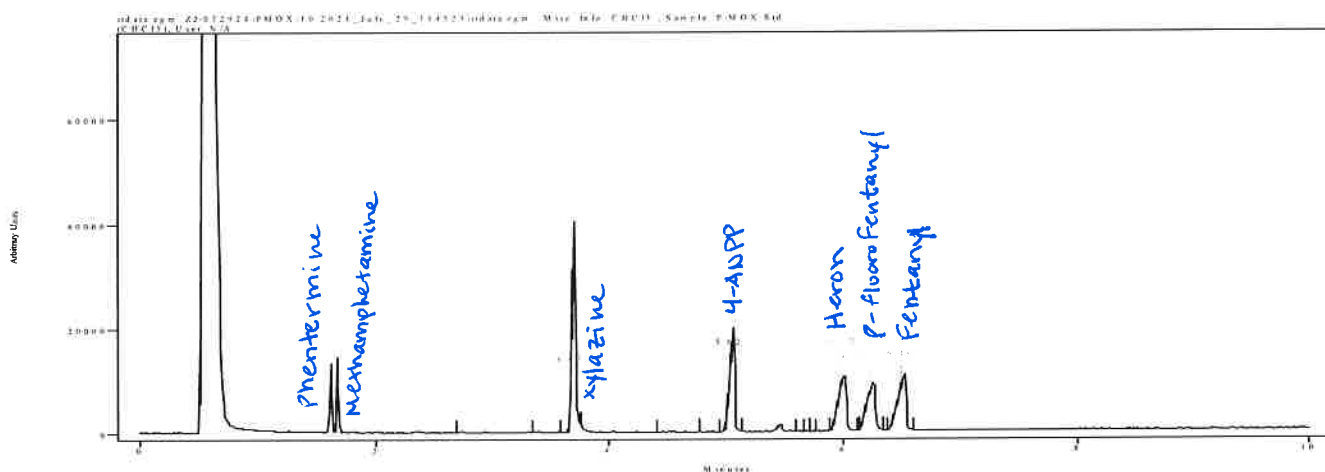
irdata.egm: ZJ-072424-STD MIX-B 2024_July_24_132439
Sample: Methanol Blank; User: N/A



Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

IRD Data Analysis Report

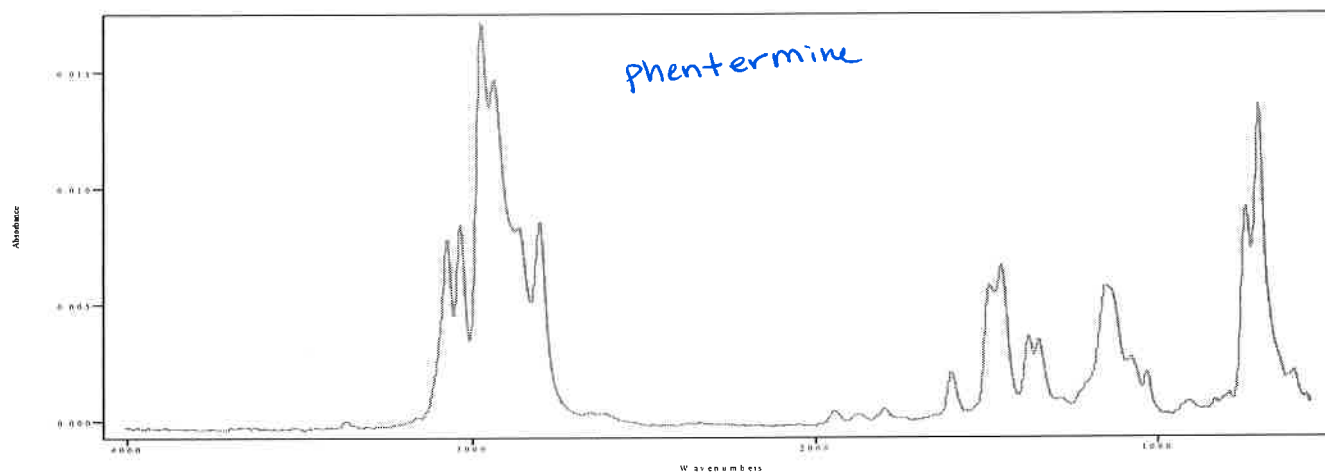
Data Filename	ZJ-072924-PMOX-10 2024_July_29_114523
Data Path	C:/ASAP DATA/Hagrid 2024/Jul 2024/07-29-24
IRD Method	IRD3 EXT
GC Method	DRUG10
GC Vial	3
Sample Name	P-MOX Std (CHCl3)
Misc. Info	CHCl3:
User ID	N/A ^H Hagrid
Injection Time	Mon Jul 29 11:58:04 2024
Date Processed	Mon Jul 29 13:15:10 2024



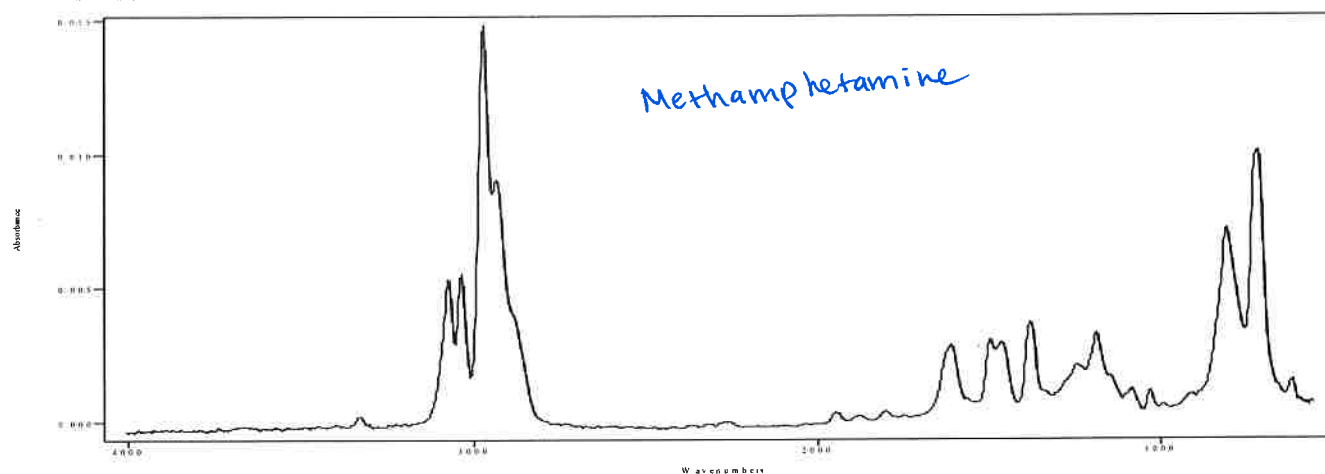
Peak Start	Peak End	Peak Width	Reference Start	Reference End
1.565	1.663	0.098	1.346	1.499
1.652	1.718	0.066	1.226	1.412
3.589	3.753	0.164	2.681	3.348
4.935	5.121	0.186	4.399	4.760
5.876	6.117	0.241	5.657	5.767
6.139	6.336	0.197	5.701	5.876
6.380	6.598	0.219	5.581	5.756

IRD Data Analysis Report

Data Filename	ZJ-072924-PMOX-10 2024_July_29_114523
Data Path	C:/ASAP DATA/Hagrid 2024/Jul 2024/07-29-24
IRD Method	IRD3 EXT
GC Method	DRUG10
GC Vial	3
Sample Name	P-MOX Std (CHCl3)
Misc. Info	CHCl3:
User ID	~~N/A~~ <i>Hagrid</i>
Injection Time	Mon Jul 29 11:58:04 2024
Date Processed	Mon Jul 29 13:15:10 2024



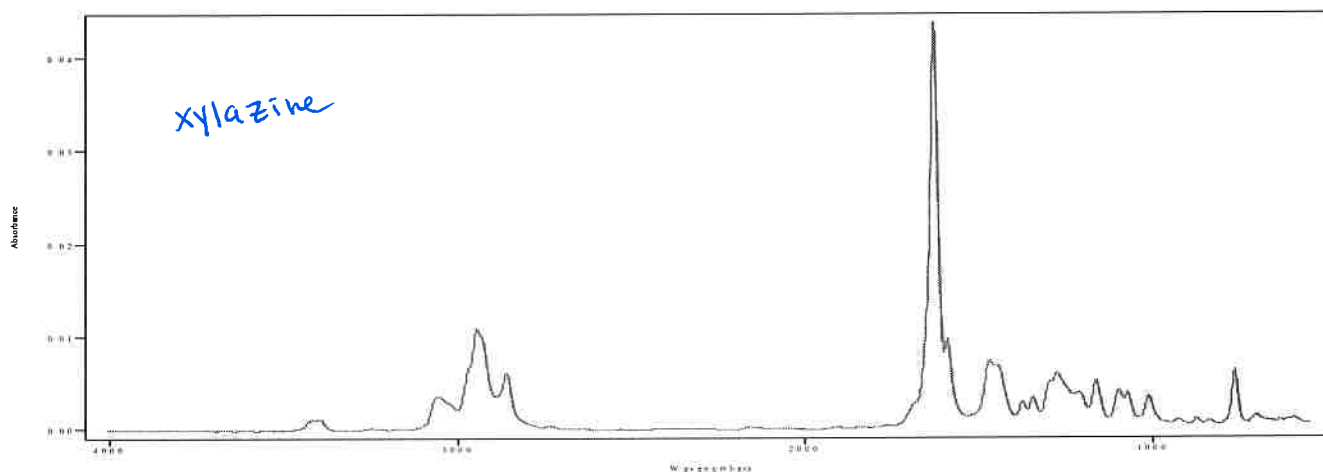
IRDATA.SPC: 1.69 minutes: AVE (1.65: 1.72) Ref. (1.23: 1.41) of ZJ-072924-PMOX-10 2024_July_29_114523.cgm



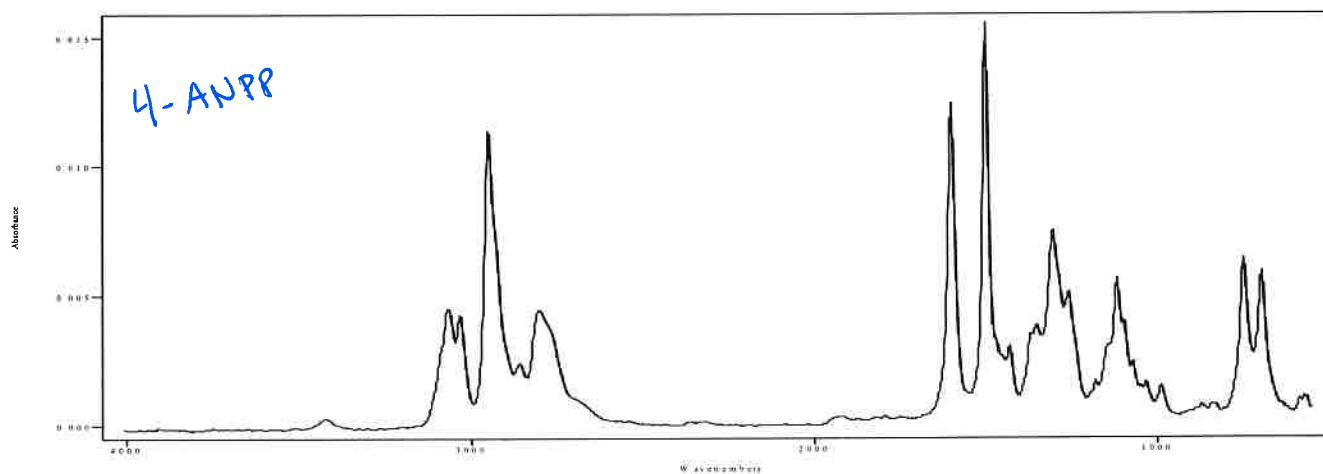
IRDATA.SPC: 1.61 minutes: AVE (1.56: 1.66) Ref. (1.35: 1.50) of ZJ-072924-PMOX-10 2024_July_29_114523.cgm

IRD Data Analysis Report

Data Filename	ZJ-072924-PMOX-10 2024_July_29_114523
Data Path	C:/ASAP DATA/Hagrid 2024/Jul 2024/07-29-24
IRD Method	IRD3 EXT
GC Method	DRUG10
GC Vial	3
Sample Name	P-MOX Std (CHCl3)
Misc. Info	CHCl3;
User ID	~~N/A~~ Hagrid
Injection Time	Mon Jul 29 11:58:04 2024
Date Processed	Mon Jul 29 13:15:10 2024



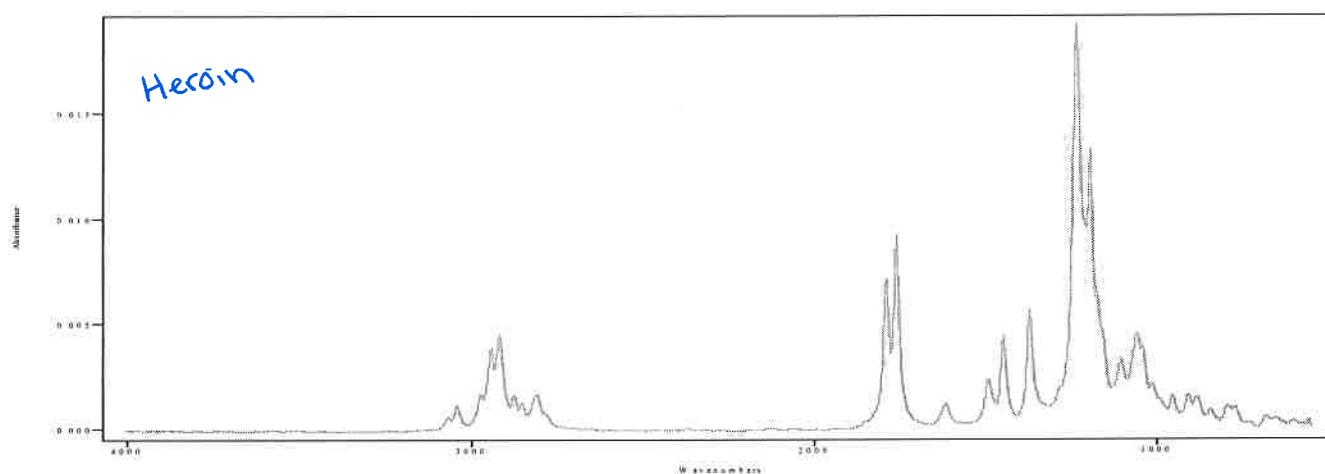
IRDATA.SPC: 3.67 minutes: AVE (3.59: 3.75) Ref. (2.68: 3.35) of ZJ-072924-PMOX-10 2024_July_29_114523.cgm



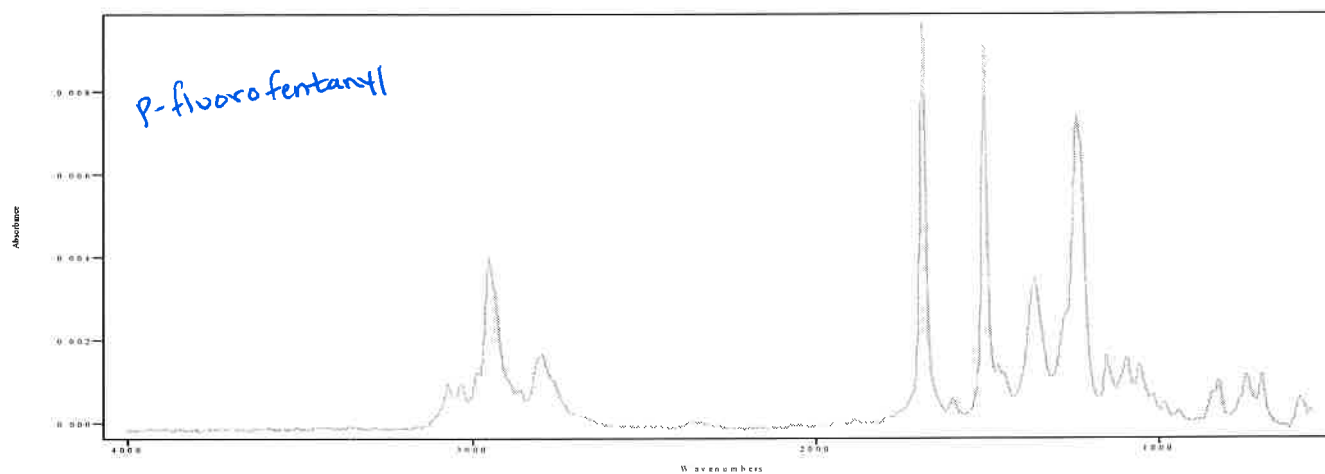
IRDATA.SPC: 5.02 minutes: AVE (4.94: 5.12) Ref. (4.40: 4.76) of ZJ-072924-PMOX-10 2024_July_29_114523.cgm

IRD Data Analysis Report

Data Filename	ZJ-072924-PMOX-10 2024_July_29_114523
Data Path	C:/ASAP DATA/Hagrid 2024/Jul 2024/07-29-24
IRD Method	IRD3 EXT
GC Method	DRUG10
GC Vial	3
Sample Name	P-MOX Std (CHCl3)
Misc. Info	CHCl3:
User ID	~~N/A~~ <i>z Hagrid</i>
Injection Time	Mon Jul 29 11:58:04 2024
Date Processed	Mon Jul 29 13:15:10 2024



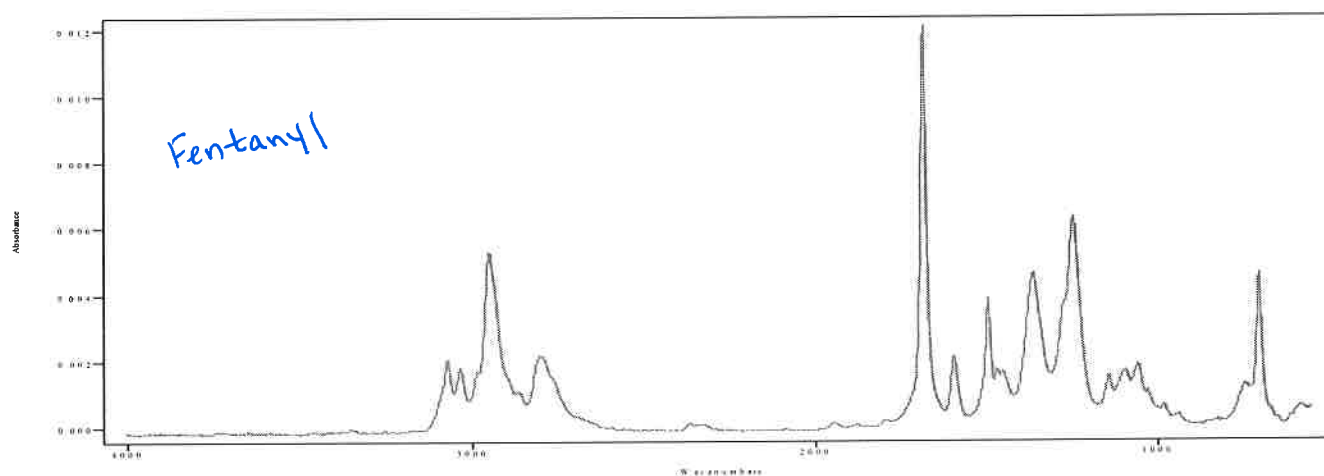
IRDATA.SPC: 6.00 minutes: AVE (5.88: 6.12) Ref. (5.66: 5.77) of ZJ-072924-PMOX-10 2024_July_29_114523.cgm



IRDATA.SPC: 6.24 minutes: AVE (6.14: 6.34) Ref. (5.70: 5.88) of ZJ-072924-PMOX-10 2024_July_29_114523.cgm

IRD Data Analysis Report

Data Filename	ZJ-072924-PMOX-10 2024_July_29_114523
Data Path	C:/ASAP DATA/Hagrid 2024/Jul 2024/07-29-24
IRD Method	IRD3 EXT
GC Method	DRUG10
GC Vial	3
Sample Name	P-MOX Std (CHCl3)
Misc. Info	CHCl3:
User ID	~~N/A~~ Hagrid
Injection Time	Mon Jul 29 11:58:04 2024
Date Processed	Mon Jul 29 13:15:10 2024

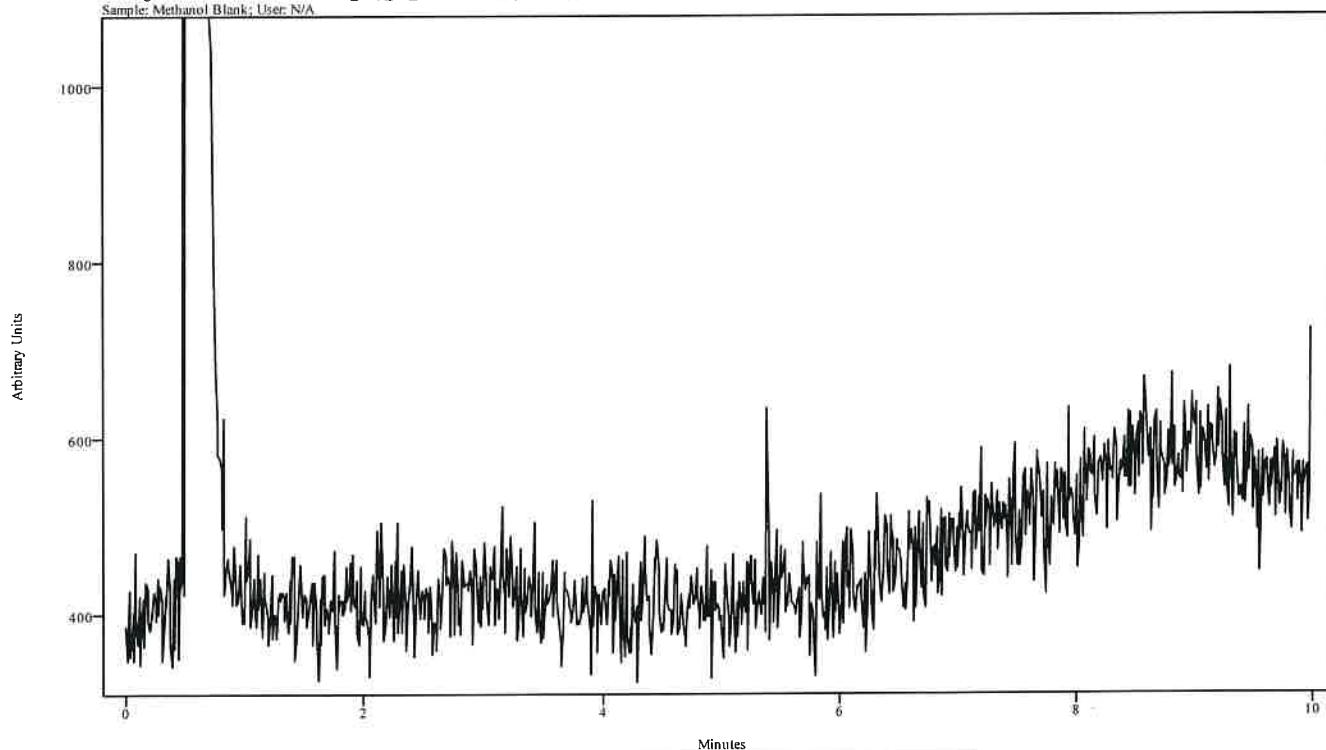


IRDATA.SPC: 6.49 minutes: AVE (6.38: 6.60) Ref. (5.58: 5.76) of ZJ-072924-PMOX-10 2024_July_29_114523.cgm

IRD Data Analysis Report

Data Filename	ZJ-072924-PMOX- 10B 2024_July_29_113208
Data Path	C:/ASAP DATA/Hagrid 2024/Jul 2024/07-29-24
IRD Method	IRD3 EXT
GC Method	DRUG10
GC Vial	1
Sample Name	Methanol Blank
Misc. Info	MeOH:P-MOX Std (CHCl3)
User ID	N/A <i>Hagrid</i>
Injection Time	Mon Jul 29 11:45:23 2024
Date Processed	Mon Jul 29 13:14:01 2024

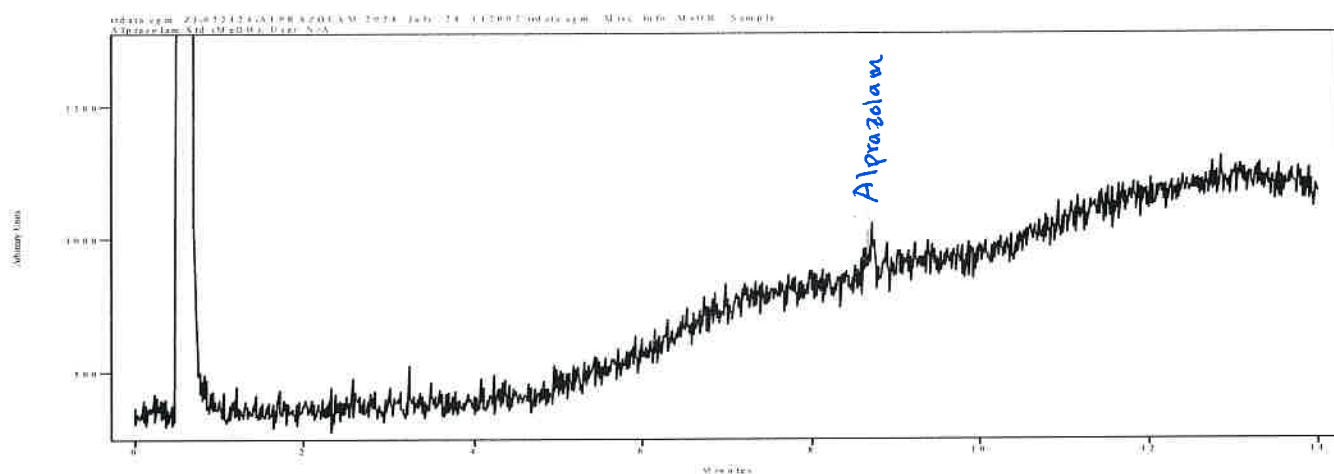
irdata.cgm: ZJ-072924-PMOX- 10B 2024_July_29_113208\irdata.cgm : Misc. Info: MeOH:P-MOX Std (CHCl3);
Sample: Methanol Blank; User: N/A



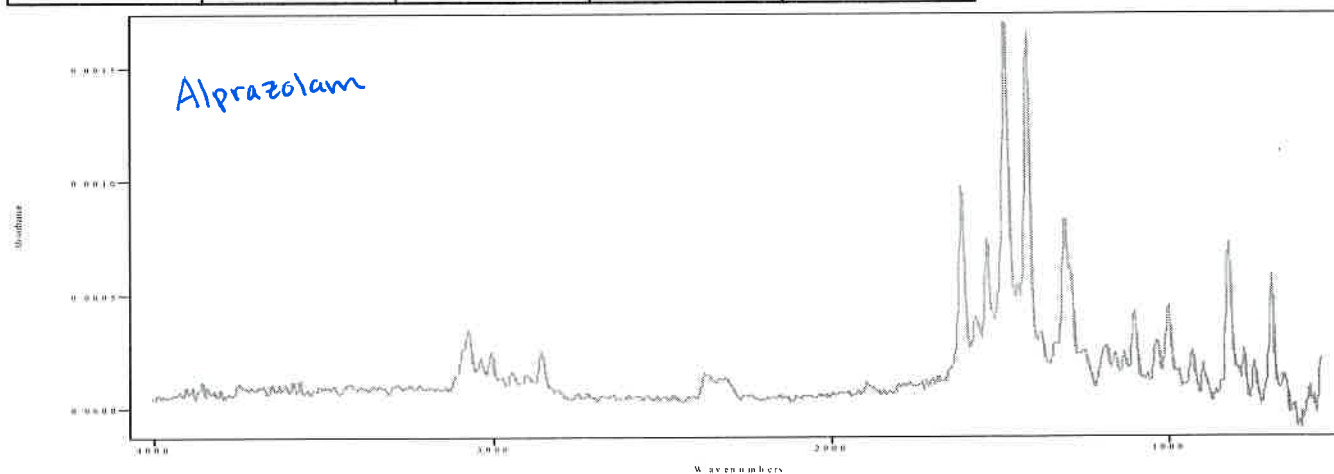
Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

IRD Data Analysis Report

Data Filename	ZJ-072424-ALPRAZOLAM 2024_July_24_142002
Data Path	C:/ASAP DATA/Hagrid 2024/Jul 2024/07-24-24
IRD Method	IRD3 EXT
GC Method	DRUG14
GC Vial	3
Sample Name	Alprazolam Std (MeOH)
Misc. Info	MeOH
User ID	~~N/A~~ Hagrid
Injection Time	Wed Jul 24 14:36:52 2024
Date Processed	Thu Jul 25 10:28:55 2024



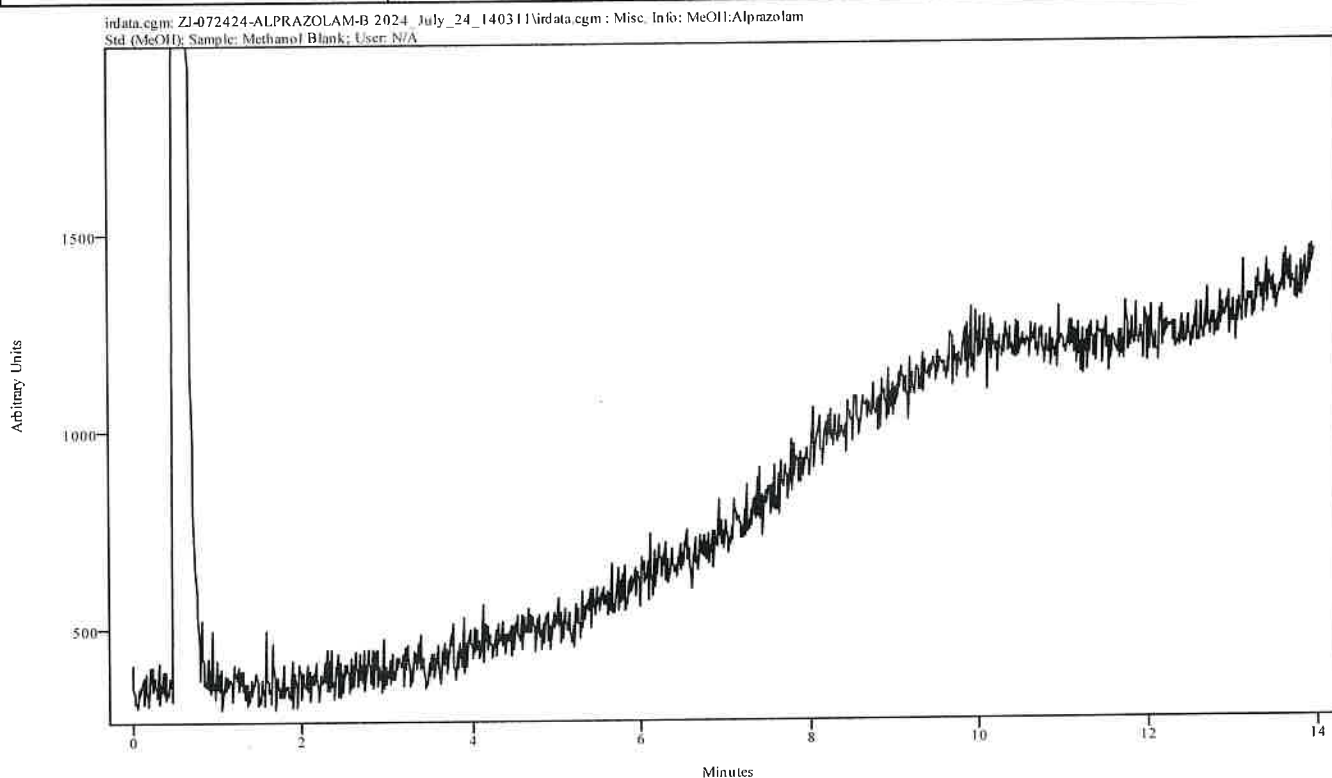
Peak Start	Peak End	Peak Width	Reference Start	Reference End
8.542	8.783	0.241	6.855	7.874



IRDATA.SPC: 8.66 minutes: AVE (8.54: 8.78) Ref. (6.86: 7.87) of ZJ-072424-ALPRAZOLAM 2024_July_24_142002.cgm

IRD Data Analysis Report

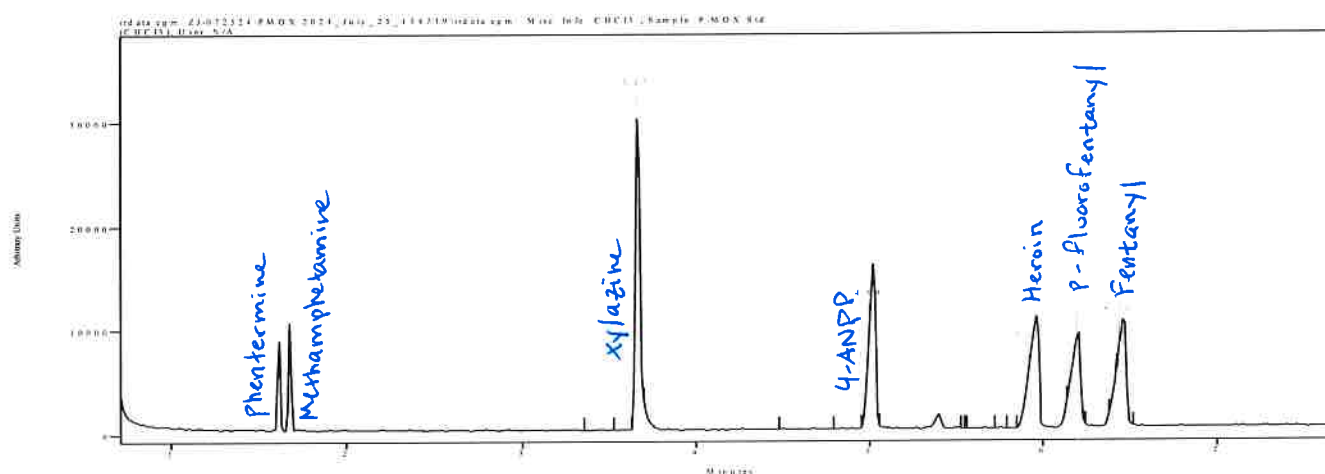
Data Filename	ZJ-072424-ALPRAZOLAM-B 2024_July_24_140311
Data Path	C:/ASAP DATA/Hagrid 2024/Jul 2024/07-24-24
IRD Method	IRD3 EXT
GC Method	DRUG14
GC Vial	1
Sample Name	Methanol Blank
Misc. Info	MeOH:Alprazolam Std (MeOH)
User ID	~~N/A~~ Hagrid
Injection Time	Wed Jul 24 14:20:02 2024
Date Processed	Thu Jul 25 10:27:19 2024



Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

IRD Data Analysis Report

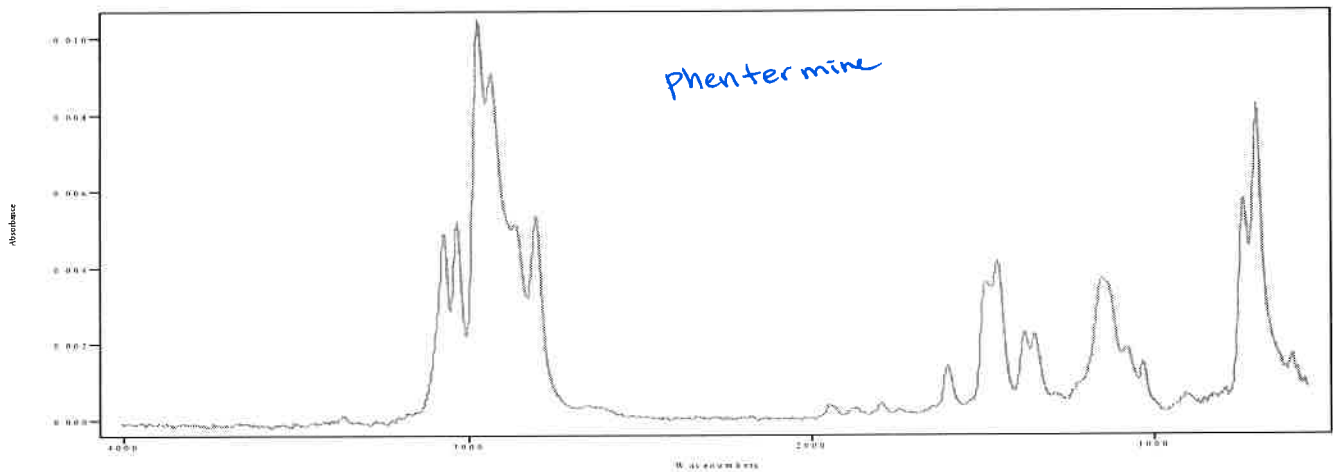
Data Filename	ZJ-072524-PMOX 2024_July_25_154739
Data Path	C:/ASAP DATA/Hagrid 2024/Jul 2024/07-25-24
IRD Method	IRD3 EXT
GC Method	DRUG14
GC Vial	8
Sample Name	P-MOX Std (CHCl3)
Misc. Info	CHCl3:
User ID	~~N/A~~ <i>26 Hagrid</i>
Injection Time	Thu Jul 25 16:04:35 2024
Date Processed	Fri Jul 26 09:17:15 2024



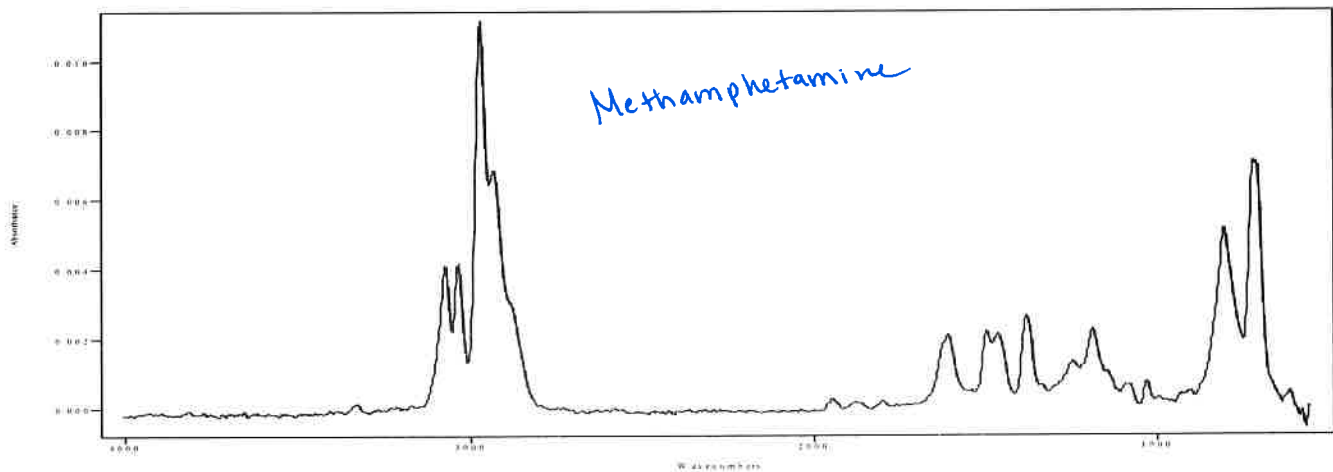
Peak Start	Peak End	Peak Width	Reference Start	Reference End
1.588	1.632	0.044	1.292	1.402
1.654	1.731	0.077	1.336	1.511
3.636	3.702	0.066	3.362	3.527
4.951	5.049	0.099	4.480	4.786
5.849	5.991	0.142	5.520	5.717
6.133	6.243	0.110	5.553	5.717
6.374	6.517	0.142	5.564	5.794

IRD Data Analysis Report

Data Filename	ZJ-072524-PMOX 2024_July_25_154739
Data Path	C:/ASAP DATA/Hagrid 2024/Jul 2024/07-25-24
IRD Method	IRD3 EXT
GC Method	DRUG14
GC Vial	8
Sample Name	P-MOX Std (CHCl3)
Misc. Info	CHCl3:
User ID	~~N/A~~ <i>Hagrid</i>
Injection Time	Thu Jul 25 16:04:35 2024
Date Processed	Fri Jul 26 09:17:15 2024



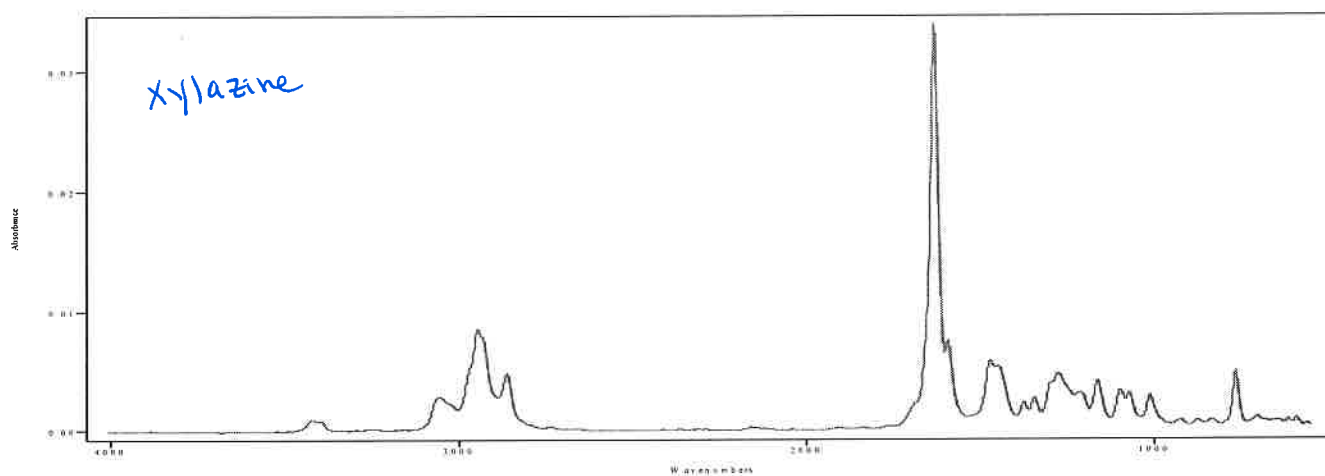
IRDATA.SPC: 1.69 minutes: AVE (1.65: 1.73) Ref. (1.34: 1.51) of ZJ-072524-PMOX 2024_July_25_154739.cgm



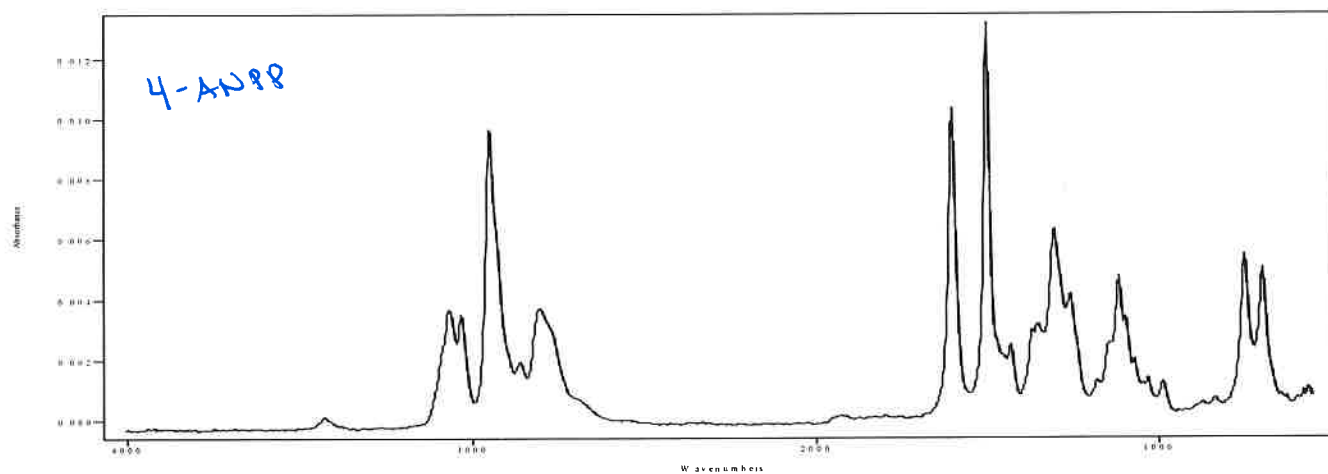
IRDATA.SPC: 1.61 minutes: AVE (1.59: 1.63) Ref. (1.29: 1.40) of ZJ-072524-PMOX 2024_July_25_154739.cgm

IRD Data Analysis Report

Data Filename	ZJ-072524-PMOX 2024_July_25_154739
Data Path	C:/ASAP DATA/Hagrid 2024/Jul 2024/07-25-24
IRD Method	IRD3 EXT
GC Method	DRUG14
GC Vial	8
Sample Name	P-MOX Std (CHCl3)
Misc. Info	CHCl3:
User ID	N/A <i>Hagrid</i>
Injection Time	Thu Jul 25 16:04:35 2024
Date Processed	Fri Jul 26 09:17:15 2024



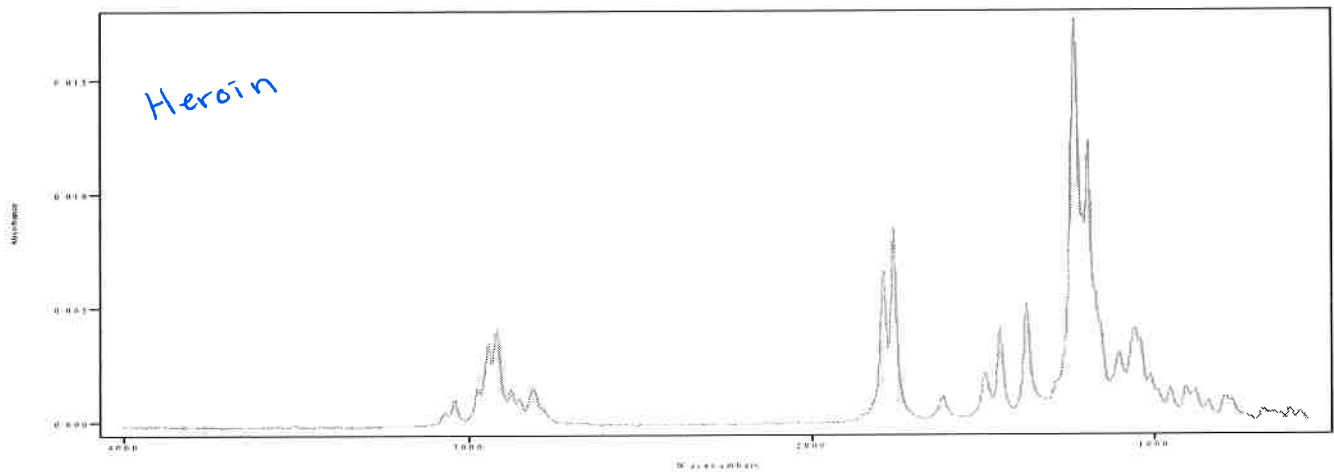
IRDATA.SPC: 3.67 minutes: AVE (3.64: 3.70) Ref. (3.36: 3.53) of ZJ-072524-PMOX 2024_July_25_154739.cgm



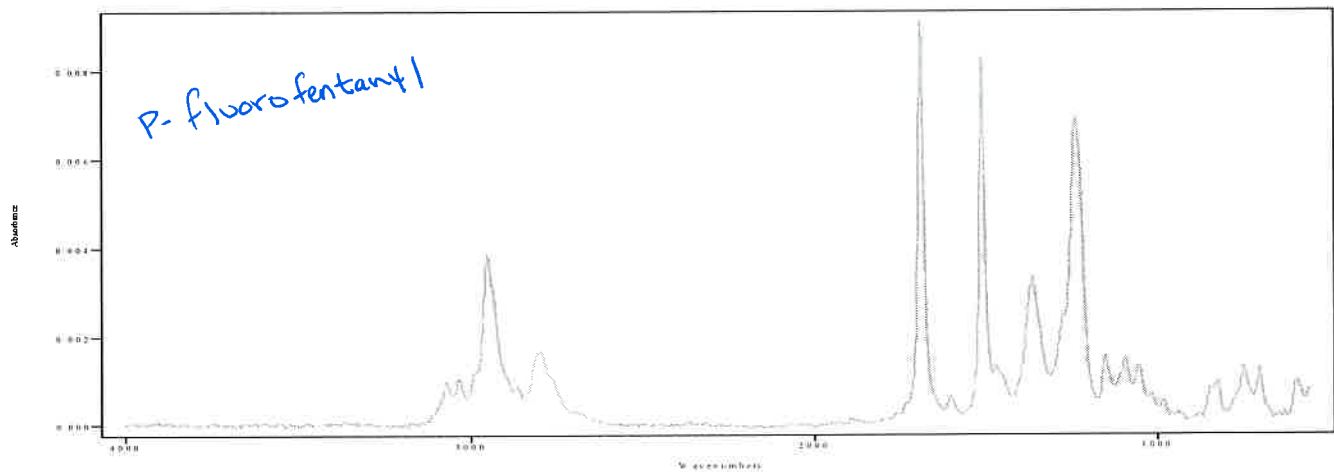
IRDATA.SPC: 4.99 minutes: AVE (4.95: 5.05) Ref. (4.48: 4.79) of ZJ-072524-PMOX 2024_July_25_154739.cgm

IRD Data Analysis Report

Data Filename	ZJ-072524-PMOX 2024_July_25_154739
Data Path	C:/ASAP DATA/Hagrid 2024/Jul 2024/07-25-24
IRD Method	IRD3 EXT
GC Method	DRUG14
GC Vial	8
Sample Name	P-MOX Std (CHCl3)
Misc. Info	CHCl3:
User ID	N/A <i>Hagrid</i>
Injection Time	Thu Jul 25 16:04:35 2024
Date Processed	Fri Jul 26 09:17:15 2024



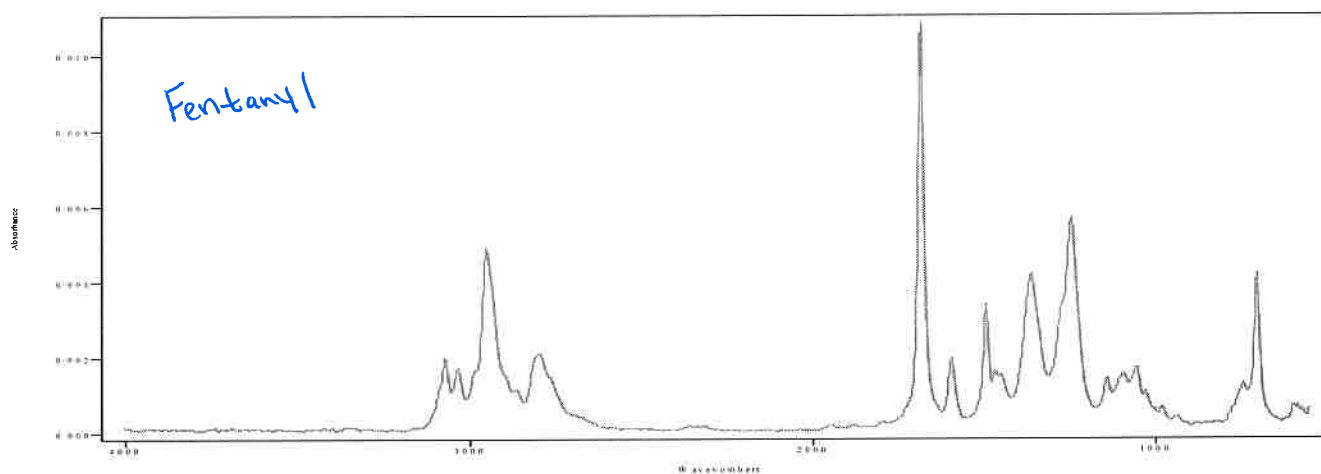
IRDATA.SPC: 5.91 minutes: AVE (5.85: 5.99) Ref. (5.52: 5.72) of ZJ-072524-PMOX 2024_July_25_154739.cgm



IRDATA.SPC: 6.19 minutes: AVE (6.13: 6.24) Ref. (5.55: 5.72) of ZJ-072524-PMOX 2024_July_25_154739.cgm

IRD Data Analysis Report

Data Filename	ZJ-072524-PMOX 2024_July_25_154739
Data Path	C:/ASAP DATA/Hagrid 2024/Jul 2024/07-25-24
IRD Method	IRD3 EXT
GC Method	DRUG14
GC Vial	8
Sample Name	P-MOX Std (CHCl3)
Misc. Info	CHCl3:
User ID	~~N/A~~ <i>Hagrid</i>
Injection Time	Thu Jul 25 16:04:35 2024
Date Processed	Fri Jul 26 09:17:15 2024

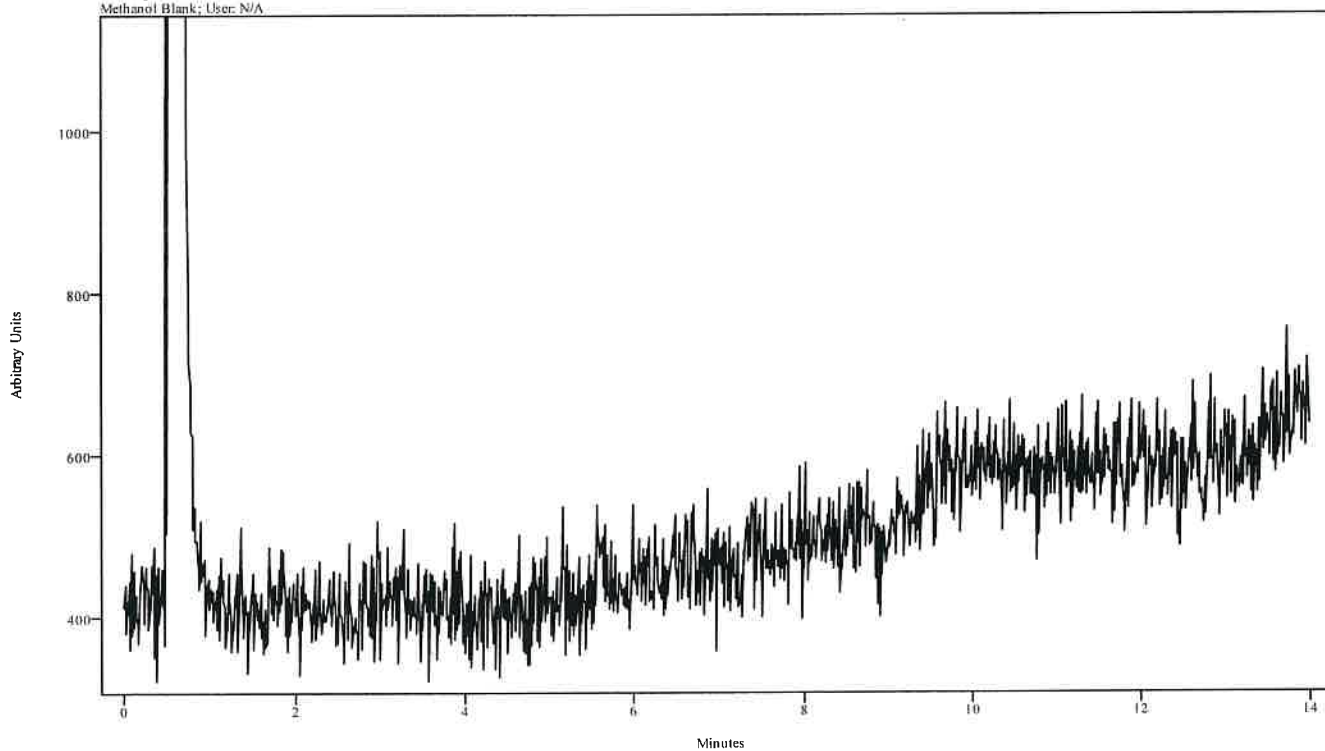


IRDATA.SPC: 6.44 minutes: AVE (6.37: 6.52) Ref. (5.56: 5.79) of ZJ-072524-PMOX
2024_July_25_154739.cgm

IRD Data Analysis Report

Data Filename	ZJ-072524-PMOX-B 2024_July_25_153057
Data Path	C:/ASAP DATA/Hagrid 2024/Jul 2024/07-25-24
IRD Method	IRD3 EXT
GC Method	DRUG14
GC Vial	1
Sample Name	Methanol Blank
Misc. Info	MeOH:P-MOX Std (CHCl3)
User ID	N/A <i>Hagrid</i>
Injection Time	Thu Jul 25 15:47:39 2024
Date Processed	Fri Jul 26 09:16:20 2024

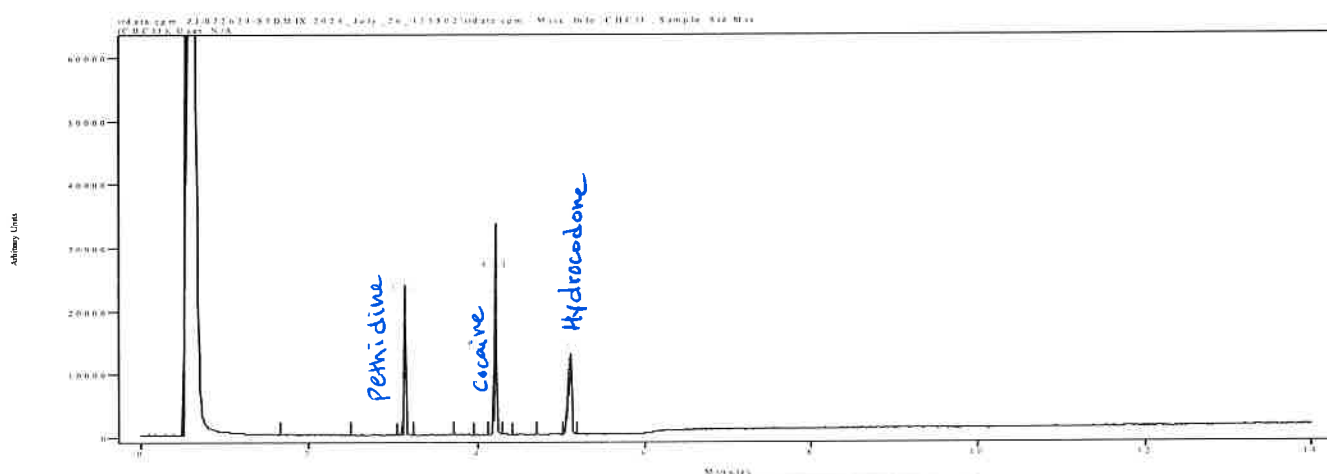
irdata.cgm: ZJ-072524-PMOX-B 2024_July_25_153057; Misc. Info: MeOH:P-MOX Std (CHCl3); Sample: Methanol Blank; User: N/A



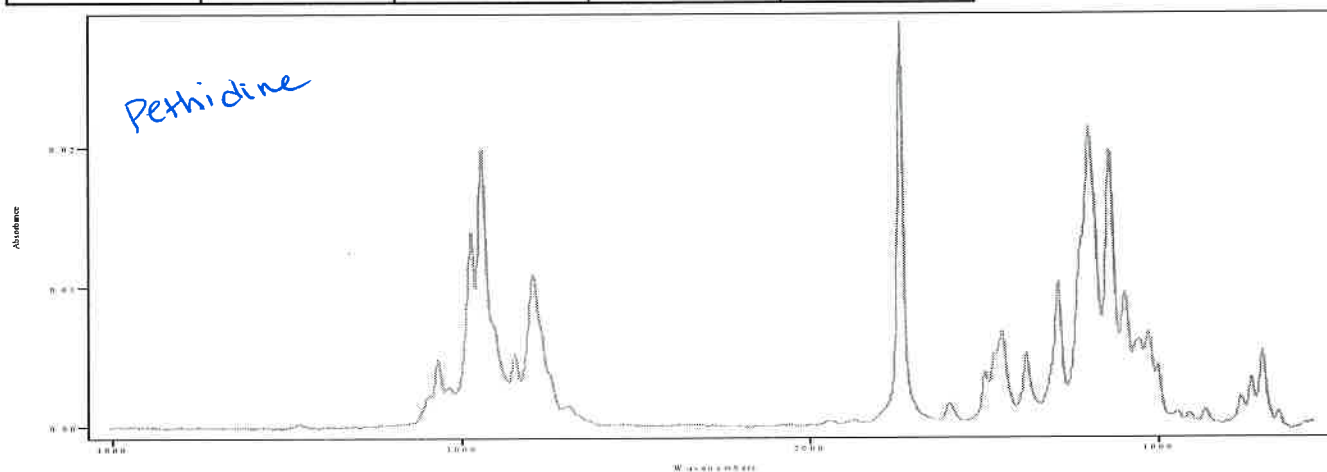
Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

IRD Data Analysis Report

Data Filename	ZJ-072624-STD MIX 2024_July_26_115802
Data Path	C:/ASAP DATA/Hagrid 2024/Jul 2024/07-26-24
IRD Method	IRD3 EXT
GC Method	DRUG14
GC Vial	2
Sample Name	Std Mix (CHCl3)
Misc. Info	CHCl3:
User ID	~~N/A~~ Hagrid
Injection Time	Fri Jul 26 12:14:49 2024
Date Processed	Fri Jul 26 12:26:43 2024



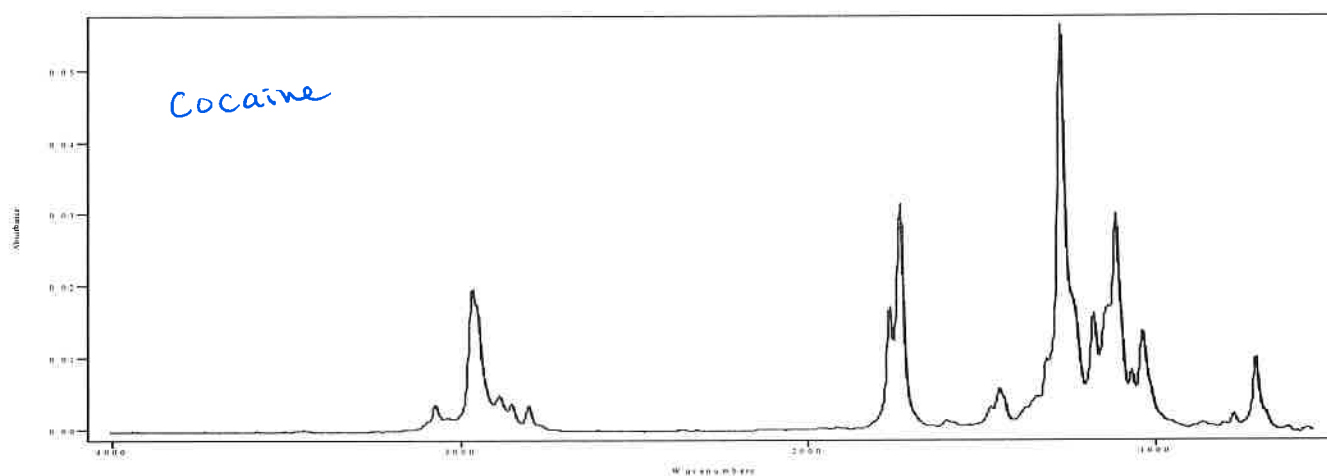
Peak Start	Peak End	Peak Width	Reference Start	Reference End
3.054	3.229	0.175	1.653	2.496
4.127	4.302	0.175	3.722	3.962
5.013	5.177	0.164	4.411	4.707



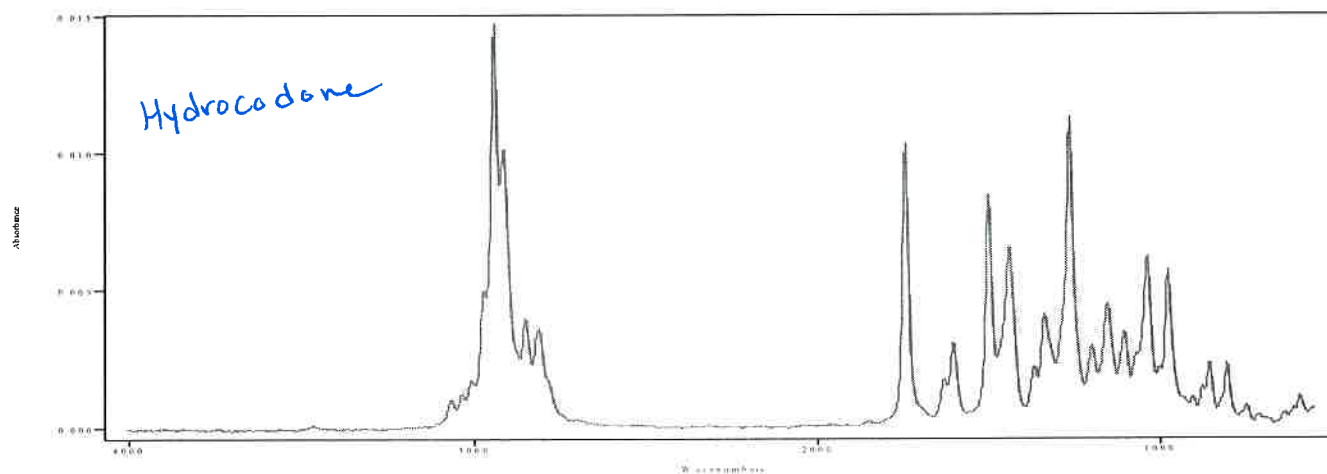
IRDATA.SPC: 3.14 minutes: AVE (3.05: 3.23) Ref. (1.65: 2.50) of ZJ-072624-STD MIX 2024_July_26_115802.cgm

IRD Data Analysis Report

Data Filename	ZJ-072624-STD MIX 2024_July_26_115802
Data Path	C:/ASAP DATA/Hagrid 2024/Jul 2024/07-26-24
IRD Method	IRD3 EXT
GC Method	DRUG14
GC Vial	2
Sample Name	Std Mix (CHCl3)
Misc. Info	CHCl3:
User ID	~~N/A~~ <i>Hagrid</i>
Injection Time	Fri Jul 26 12:14:49 2024
Date Processed	Fri Jul 26 12:26:43 2024



IRDATA.SPC: 4.21 minutes: AVE (4.13: 4.30) Ref. (3.72: 3.96) of ZJ-072624-STD MIX 2024_July_26_115802.cgm

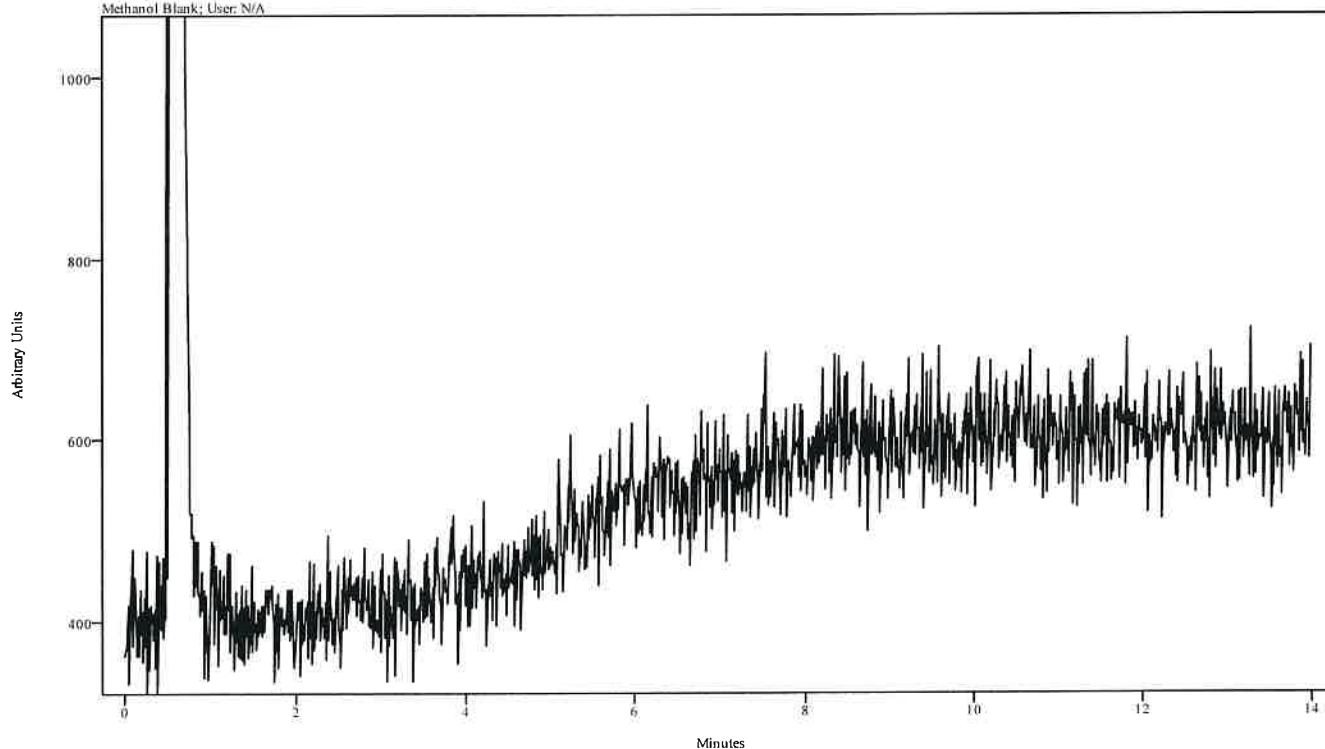


IRDATA.SPC: 5.09 minutes: AVE (5.01: 5.18) Ref. (4.41: 4.71) of ZJ-072624-STD MIX 2024_July_26_115802.cgm

IRD Data Analysis Report

Data Filename	ZJ-072624-STD MIX-B 2024_July_26_114048
Data Path	C:/ASAP DATA/Hagrid 2024/Jul 2024/07-26-24
IRD Method	IRD3 EXT
GC Method	DRUG14
GC Vial	1
Sample Name	Methanol Blank
Misc. Info	MeOH:Std Mix (CHCl3)
User ID	N/A <i>Hagrid</i>
Injection Time	Fri Jul 26 11:58:01 2024
Date Processed	Fri Jul 26 12:26:10 2024

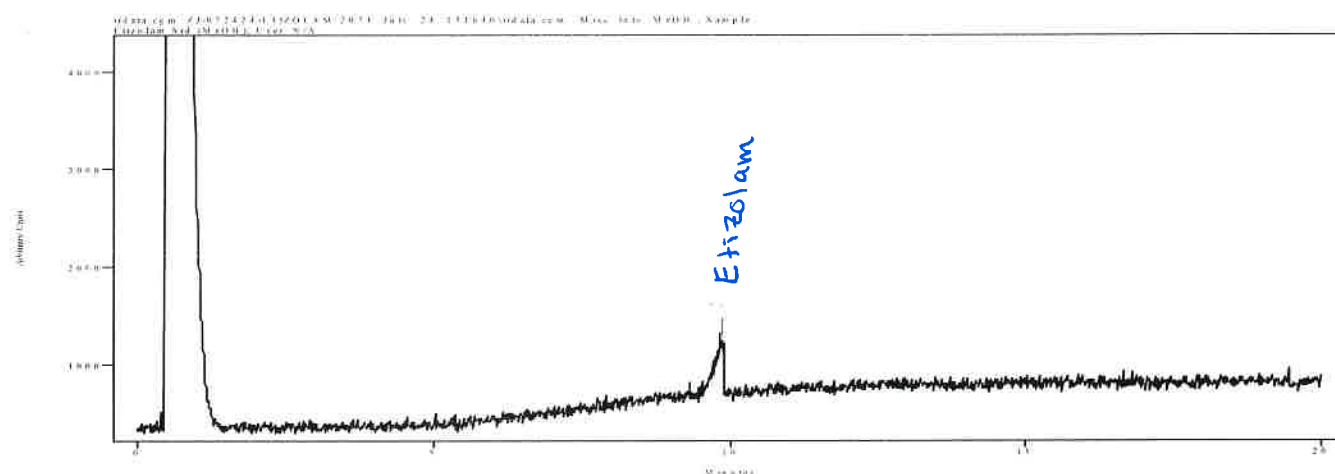
irdata.cgm: ZJ-072624-STD MIX-B 2024_July_26_114048\irdata.cgm : Misc. Info: MeOH:Std Mix (CHCl3); Sample: Methanol Blank; User: N/A



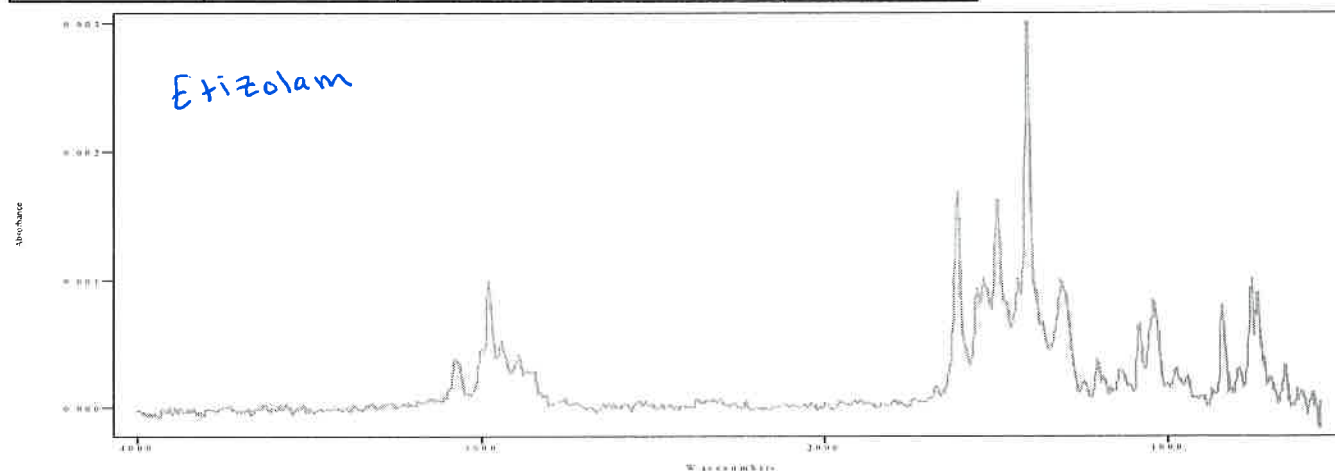
Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

IRD Data Analysis Report

Data Filename	ZJ-072424-ETIZOLAM 2024_July_24_151640
Data Path	C:/ASAP DATA/Hagrid 2024/Jul 2024/07-24-24
IRD Method	IRD3 EXT
GC Method	DRUG20
GC Vial	4
Sample Name	Etizolam Std (MeOH)
Misc. Info	MeOH:
User ID	N/A <i>Hagrid</i>
Injection Time	Wed Jul 24 15:39:30 2024
Date Processed	Thu Jul 25 10:29:42 2024



Peak Start	Peak End	Peak Width	Reference Start	Reference End
9.839	9.893	0.055	9.326	9.480

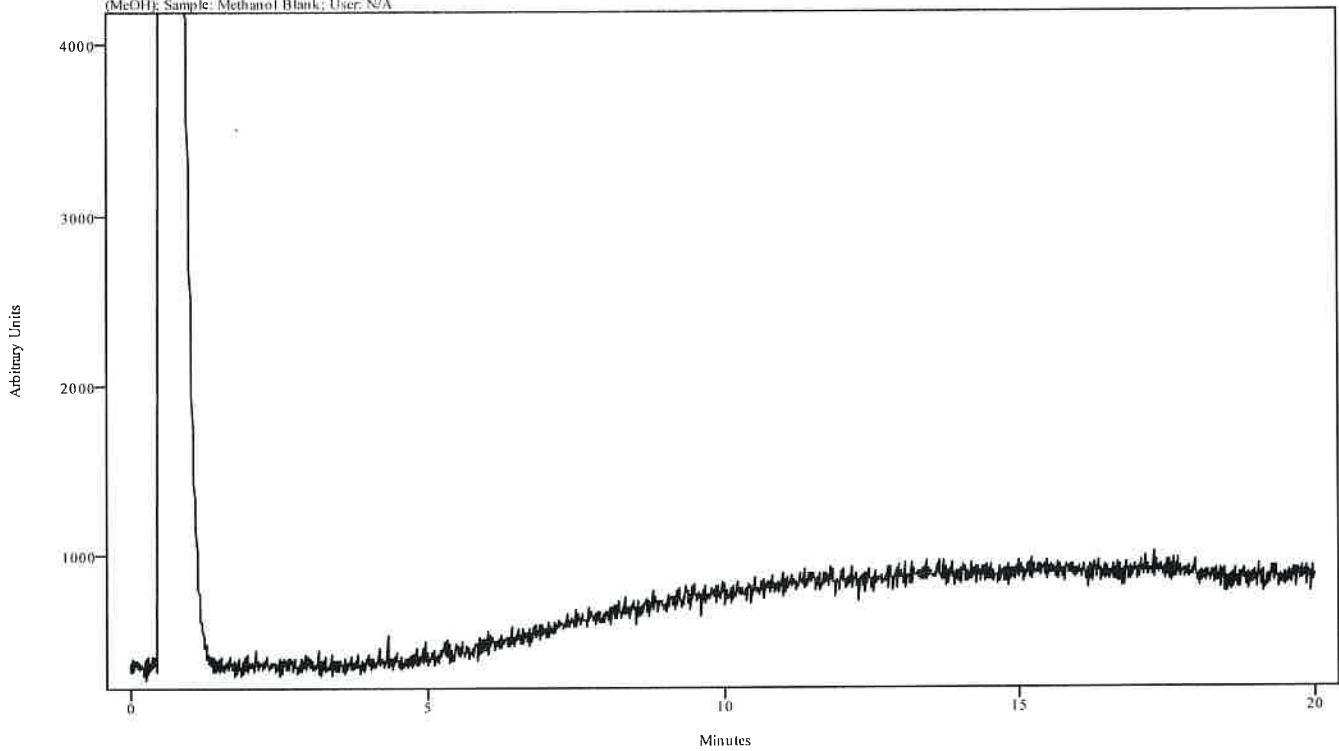


IRDATA.SPC: 9.87 minutes: AVE (9.84: 9.90) Ref. (9.33: 9.48) of ZJ-072424-ETIZOLAM 2024_July_24_151640.cgm

IRD Data Analysis Report

Data Filename	ZJ-072424-ETIZOLAM-B 2024_July_24_145348
Data Path	C:/ASAP DATA/Hagrid 2024/Jul 2024/07-24-24
IRD Method	IRD3 EXT
GC Method	DRUG20
GC Vial	1
Sample Name	Methanol Blank
Misc. Info	MeOH:Etizolam Std (MeOH)
User ID	N/A <i>Hagrid</i>
Injection Time	Wed Jul 24 15:16:40 2024
Date Processed	Thu Jul 25 10:29:12 2024

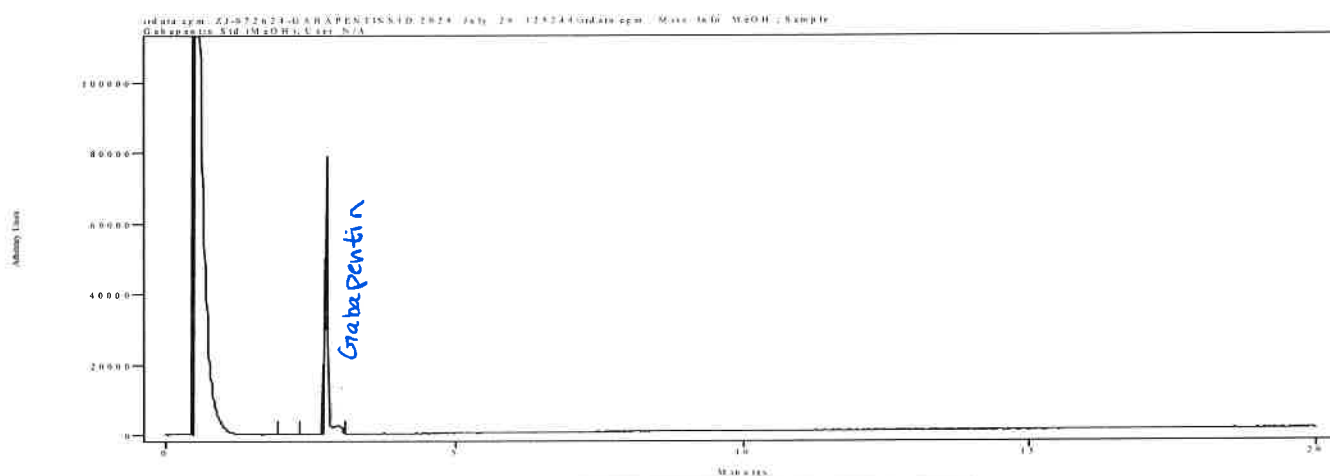
irdata.cgm: ZJ-072424-ETIZOLAM-B 2024_July_24_145348\irdata.cgm : Misc. Info: MeOH:Etizolam Std (MeOH); Sample: Methanol Blank; User: N/A



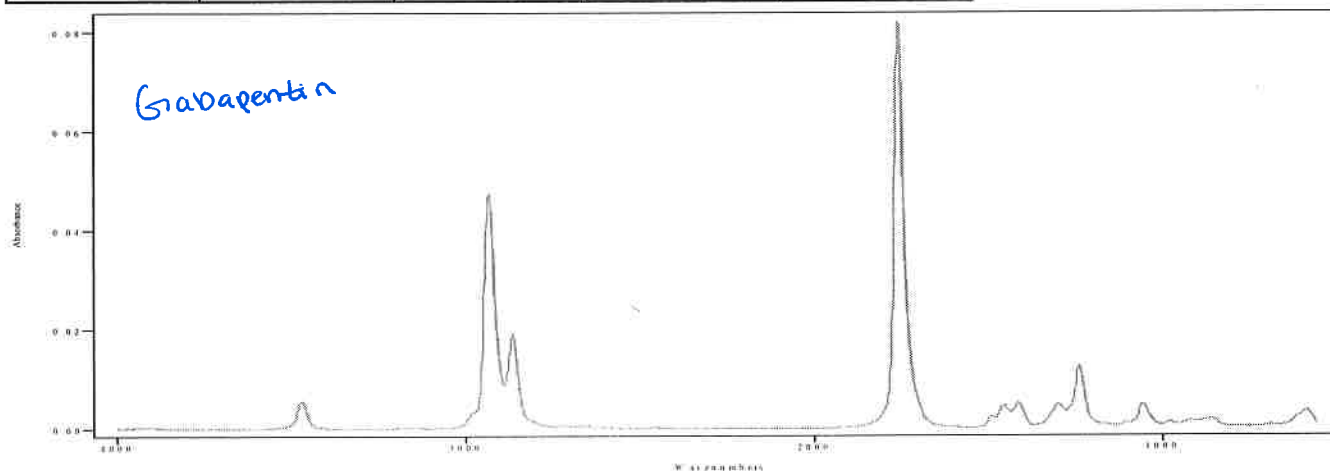
Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

IRD Data Analysis Report

Data Filename	ZJ-072624-GABAPENTINSTD 2024_July_26_125244
Data Path	C:/ASAP DATA/Hagrid 2024/Jul 2024/07-26-24
IRD Method	IRD3 EXT
GC Method	DRUG20
GC Vial	3
Sample Name	Gabapentin Std (MeOH)
Misc. Info	MeOH:
User ID	N/A <i>Hagrid</i>
Injection Time	Fri Jul 26 13:15:34 2024
Date Processed	Fri Jul 26 13:36:18 2024



Peak Start	Peak End	Peak Width	Reference Start	Reference End
2.683	3.099	0.416	1.938	2.321

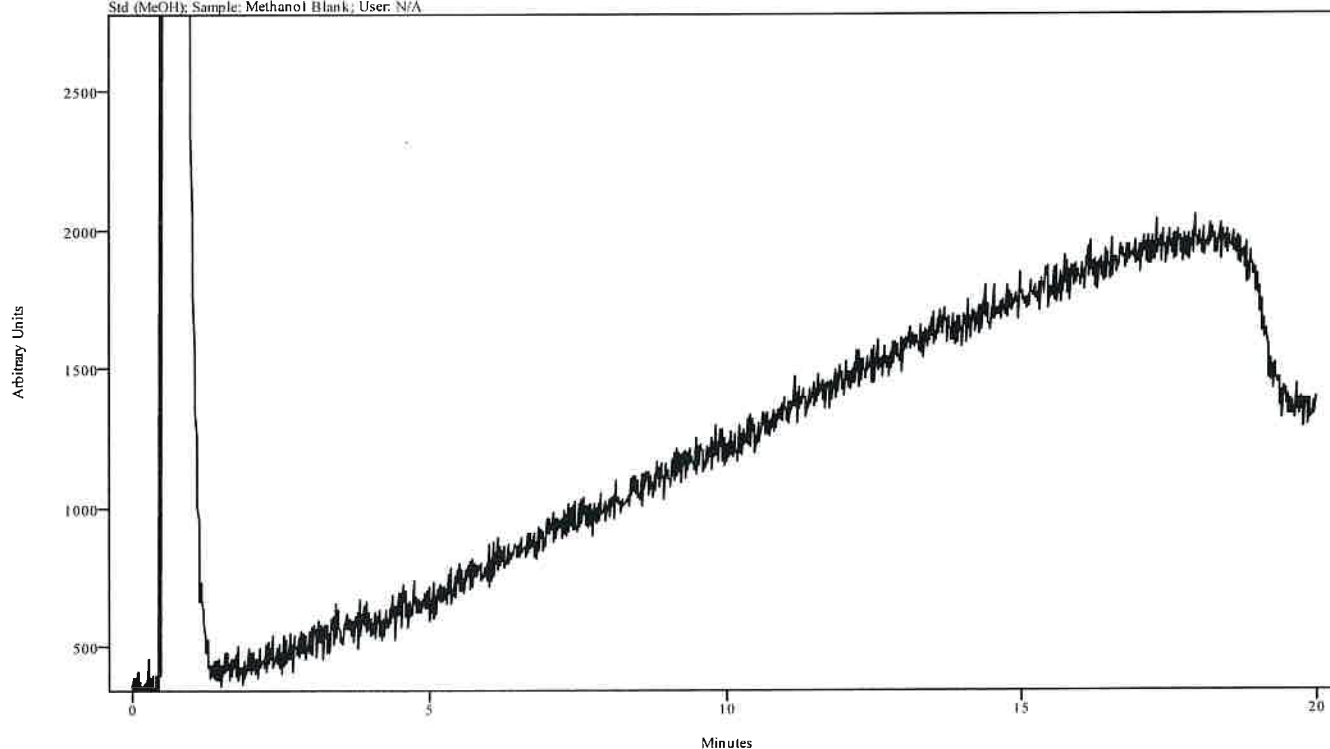


IRDATA.SPC: 2.89 minutes: AVE (2.68: 3.10) Ref. (1.94: 2.32) of ZJ-072624-GABAPENTINSTD 2024_July_26_125244.cgm

IRD Data Analysis Report

Data Filename	ZJ-072624-GABAPENTINSTD-B 2024_July_26_122918
Data Path	C:/ASAP DATA/Hagrid 2024/Jul 2024/07-26-24
IRD Method	IRD3 EXT
GC Method	DRUG20
GC Vial	1
Sample Name	Methanol Blank
Misc. Info	MeOH:Gabapentin Std (MeOH)
User ID	N/A <i>Hagrid</i>
Injection Time	Fri Jul 26 12:52:43 2024
Date Processed	Fri Jul 26 13:35:57 2024

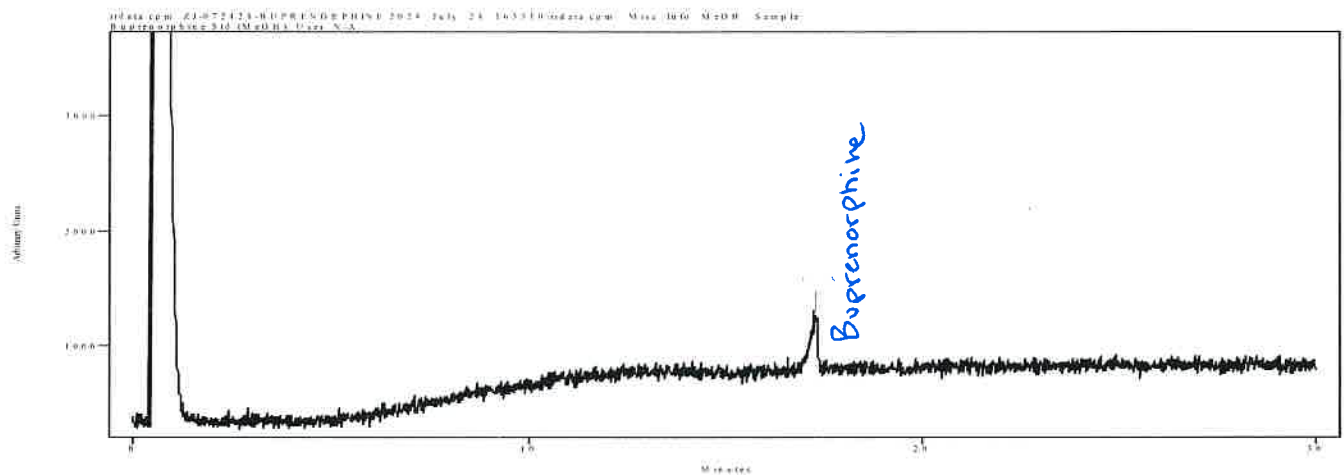
irdata.cgm: ZJ-072624-GABAPENTINSTD-B 2024_July_26_122918; irdata.cgm : Misc. Info: MeOH:Gabapentin Std (MeOH); Sample: Methanol Blank; User: N/A



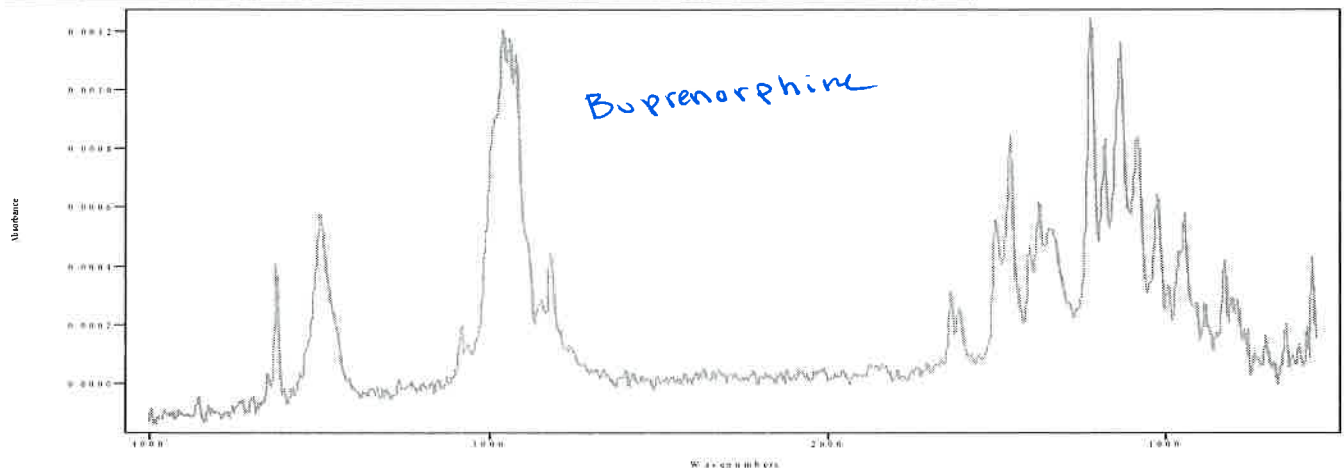
Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

IRD Data Analysis Report

Data Filename	ZJ-072424-BUPRENORPHINE 2024_July_24_163510
Data Path	C:/ASAP DATA/Hagrid 2024/Jul 2024/07-24-24
IRD Method	IRD3 EXT
GC Method	DRUG30
GC Vial	5
Sample Name	Buprenorphine Std (MeOH)
Misc. Info	MeOH:
User ID	N/A <i>Hagrid</i>
Injection Time	Wed Jul 24 17:08:02 2024
Date Processed	Thu Jul 25 10:30:37 2024



Peak Start	Peak End	Peak Width	Reference Start	Reference End
17.230	17.313	0.088	16.527	16.226

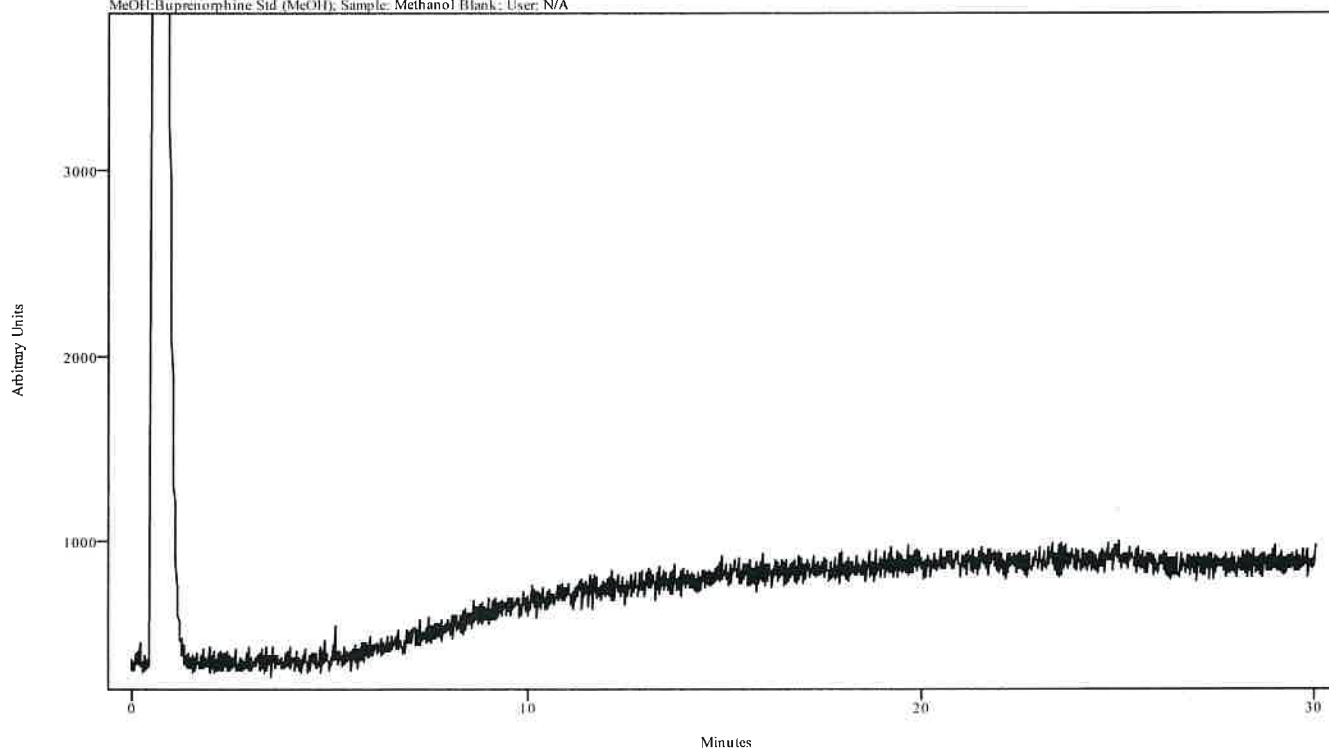


IRDATA.SPC: 17.28 minutes: AVE (17.23: 17.31) Ref. (16.23: 16.53) of ZJ-072424-BUPRENORPHINE 2024_July_24_163510.cgm

IRD Data Analysis Report

Data Filename	ZJ-072424-BUPRENORPHINE-B 2024_July_24_160226
Data Path	C:/ASAP DATA/Hagrid 2024/Jul 2024/07-24-24
IRD Method	IRD3 EXT
GC Method	DRUG30
GC Vial	1
Sample Name	Methanol Blank
Misc. Info	MeOH:Buprenorphine Std (MeOH)
User ID	N/A <i>Hagrid</i>
Injection Time	Wed Jul 24 16:35:10 2024
Date Processed	Thu Jul 25 10:29:59 2024

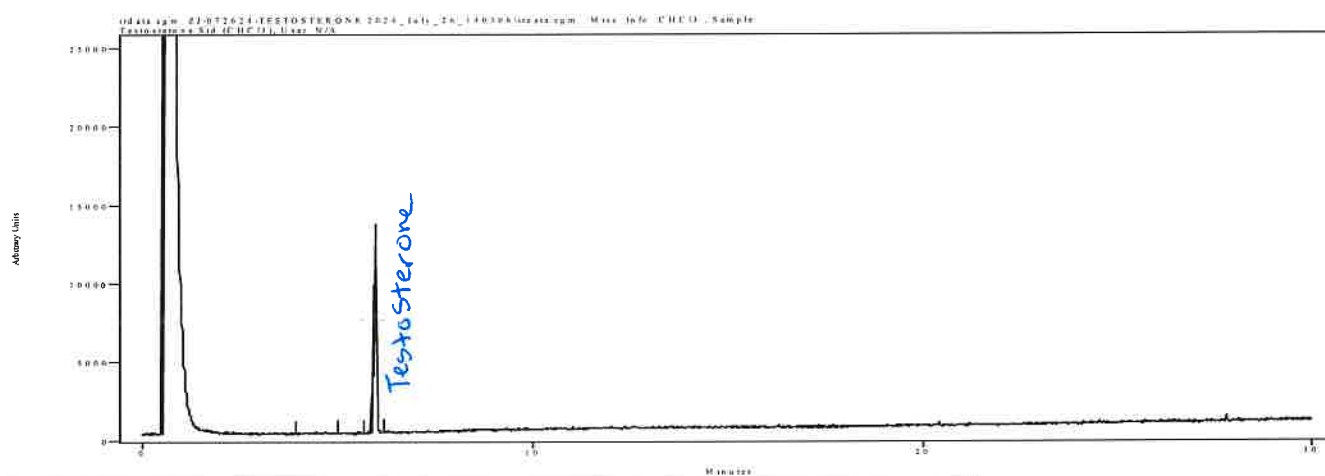
irdata.cgm: ZJ-072424-BUPRENORPHINE-B 2024_July_24_160226\irdata.cgm : Misc. Info:
MeOH:Buprenorphine Std (MeOH); Sample: Methanol Blank; User: N/A



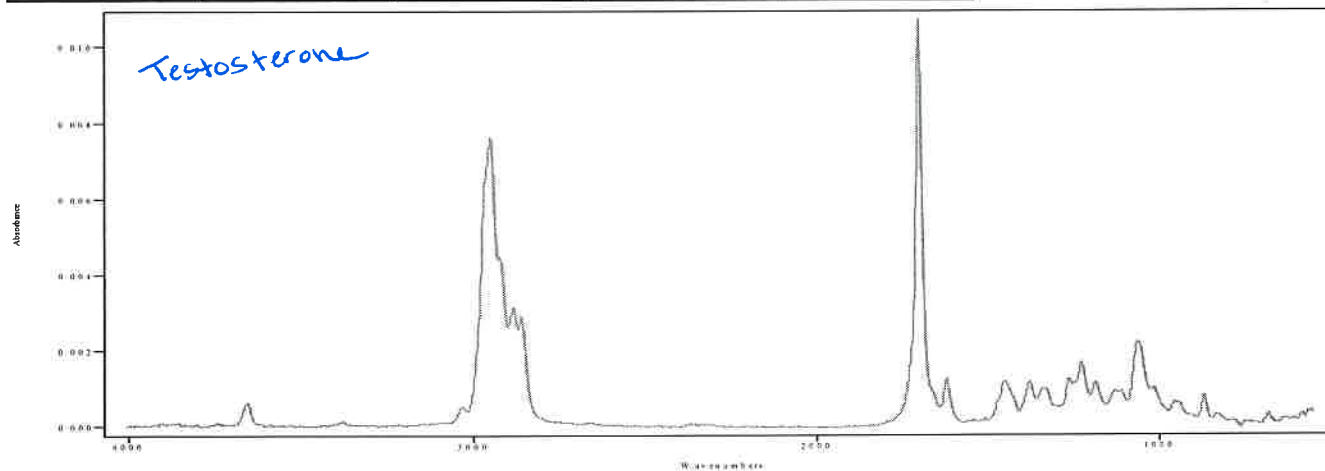
Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

IRD Data Analysis Report

Data Filename	ZJ-072624-TESTOSTERONE 2024_July_26_140306
Data Path	C:/ASAP DATA/Hagrid 2024/Jul 2024/07-26-24
IRD Method	IRD3 EXT
GC Method	DRUG30
GC Vial	4
Sample Name	Testosterone Std (CHCl3)
Misc. Info	CHCl3:
User ID	~~MA~~ Hagrid
Injection Time	Fri Jul 26 14:35:58 2024
Date Processed	Mon Aug 05 10:18:18 2024



Peak Start	Peak End	Peak Width	Reference Start	Reference End
5.650	6.154	0.504	3.898	4.993

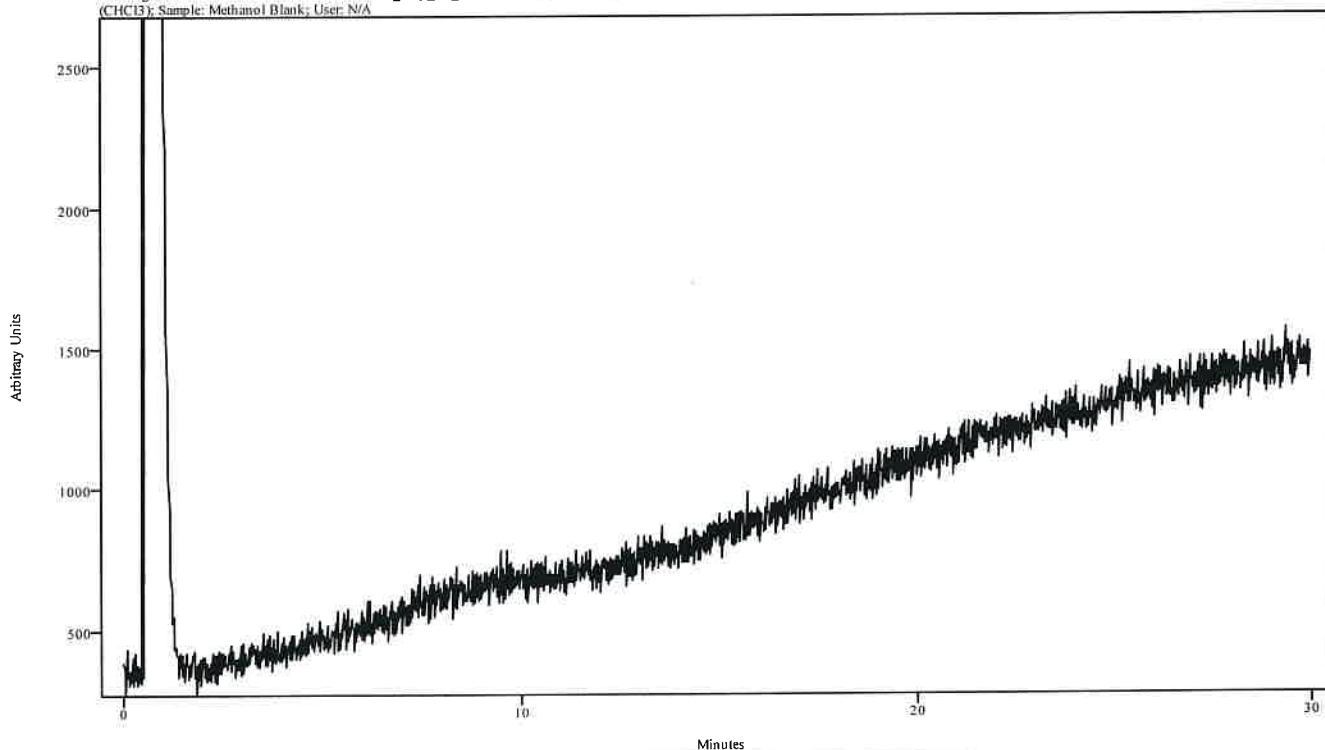


IRDATA.SPC: 5.90 minutes: AVE (5.65: 6.15) Ref. (3.90: 4.99) of ZJ-072624-TESTOSTERONE 2024_July_26_140306.cgm

IRD Data Analysis Report

Data Filename	ZJ-072624-TESTOSTERONE-B 2024_July_26_132941
Data Path	C:/ASAP DATA/Hagrid 2024/Jul 2024/07-26-24
IRD Method	IRD3 EXT
GC Method	DRUG30
GC Vial	1
Sample Name	Methanol Blank
Misc. Info	MeOH:Testosterone Std (CHCl3)
User ID	N/A <i>z. Hagrid</i>
Injection Time	Fri Jul 26 14:03:06 2024
Date Processed	Fri Jul 26 14:05:45 2024

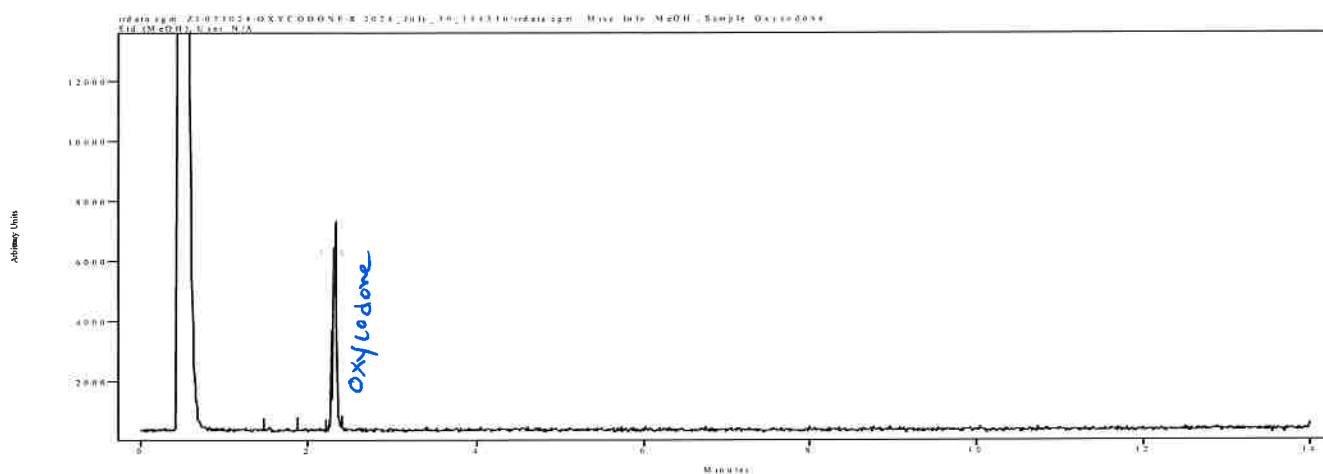
irdata.cgm: ZJ-072624-TESTOSTERONE-B 2024_July_26_132941\irdata.cgm : Misc. Info: MeOH:Testosterone Std (CHCl3); Sample: Methanol Blank; User: N/A



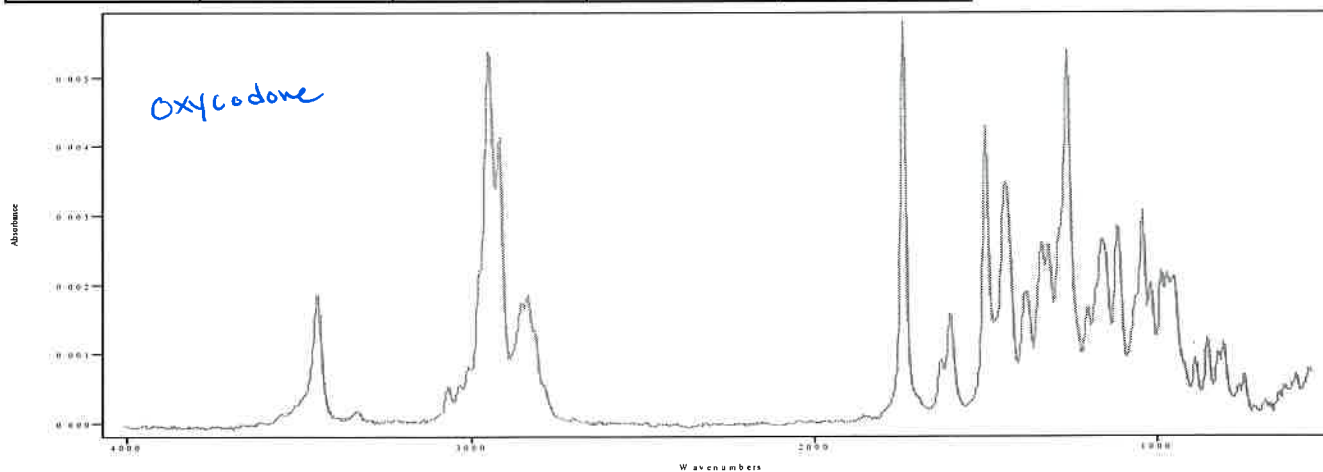
Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

IRD Data Analysis Report

Data Filename	ZJ-073024-OXYCODONE-R 2024_July_30_154536
Data Path	C:/ASAP DATA/Hagrid 2024/Jul 2024/07-30-24
IRD Method	IRD3 EXT
GC Method	ISODRUG14
GC Vial	2
Sample Name	Oxycodone Std (MeOH)
Misc. Info	MeOH;
User ID	N/A <i>Hagrid</i>
Injection Time	Tue Jul 30 16:01:58 2024
Date Processed	Thu Aug 01 08:46:38 2024



Peak Start	Peak End	Peak Width	Reference Start	Reference End
2.212	2.398	0.186	1.467	1.873

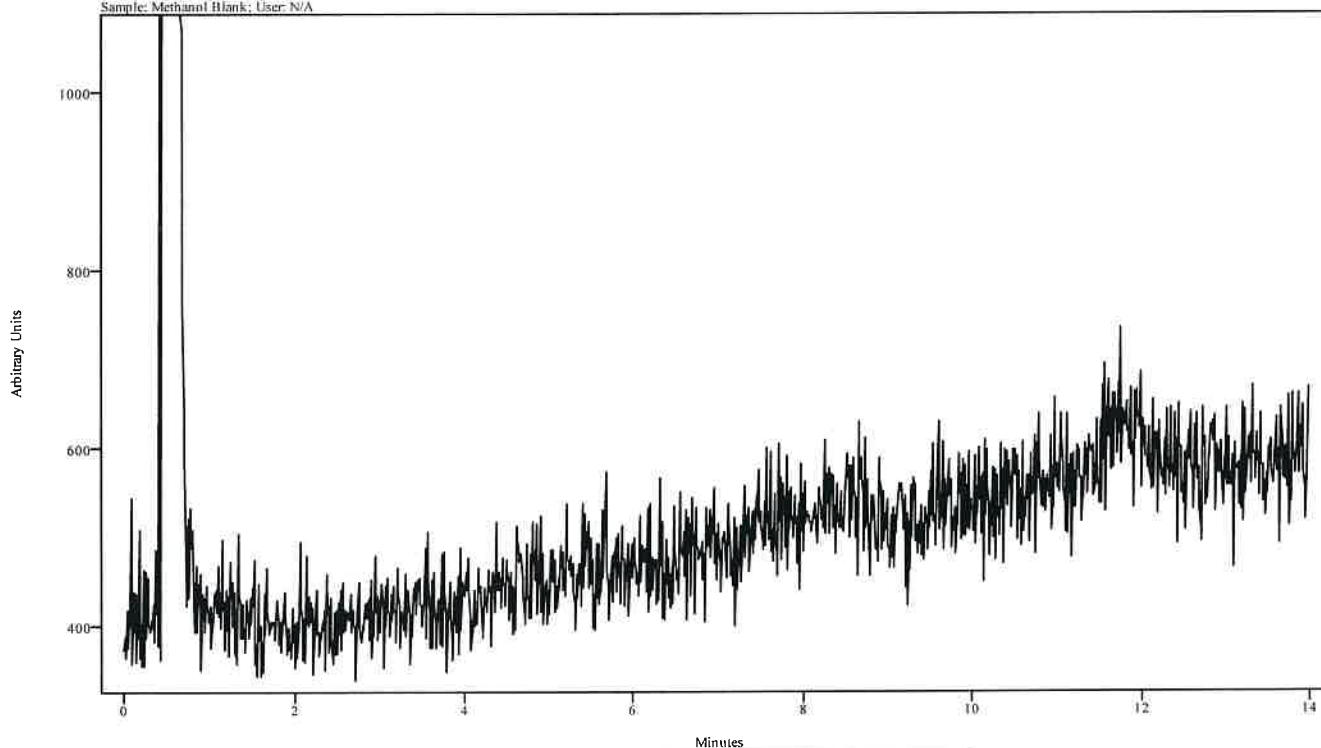


IRDATA.SPC: 2.30 minutes: AVE (2.21: 2.40) Ref. (1.47: 1.87) of ZJ-073024-OXYCODONE-R 2024_July_30_154536.cgm

IRD Data Analysis Report

Data Filename	ZJ-073024-OXYCODONE-RB 2024_July_30_152918
Data Path	C:/ASAP DATA/Hagrid 2024/Jul 2024/07-30-24
IRD Method	IRD3 EXT
GC Method	ISODRUG14
GC Vial	1
Sample Name	Methanol Blank
Misc. Info	Oxycodone Std (MeOH):
User ID	N/A <i>Hagrid</i>
Injection Time	Tue Jul 30 15:45:36 2024
Date Processed	Thu Aug 01 08:46:21 2024

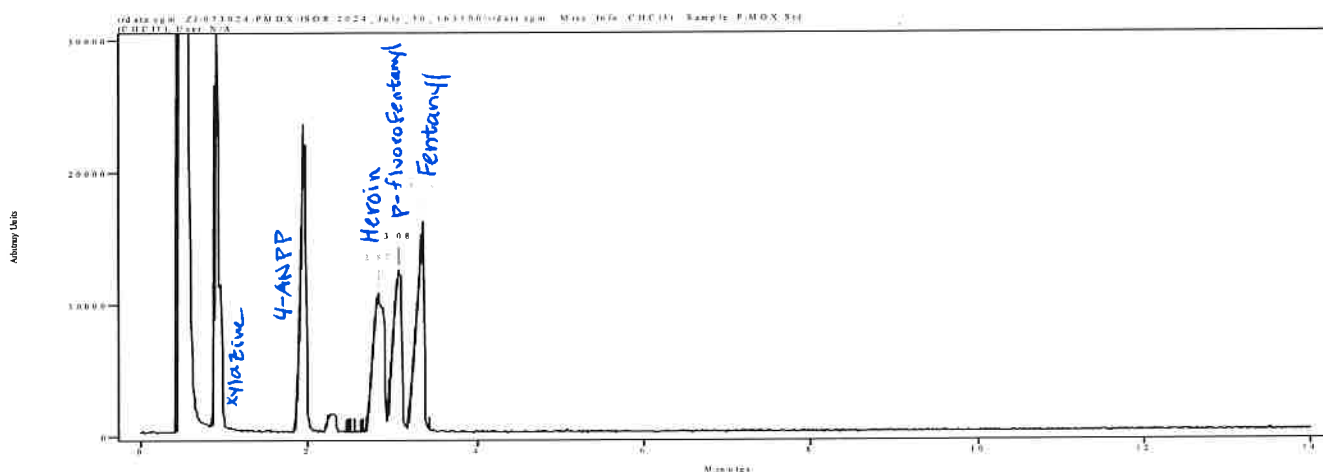
irdata.cgm: ZJ-073024-OXYCODONE-RB 2024_July_30_152918\irdata.cgm : Misc. Info: Oxycodone Std (MeOH);
Sample: Methanol Blank; User: N/A



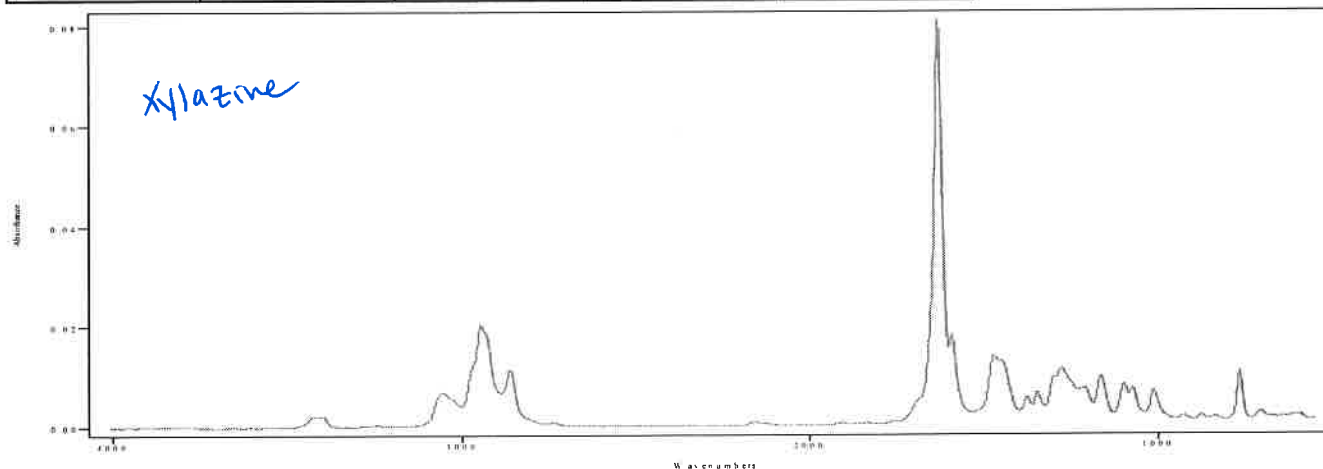
Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

IRD Data Analysis Report

Data Filename	ZJ-073024-PMOX-ISOR 2024_July_30_163100
Data Path	C:/ASAP DATA/Hagrid 2024/Jul 2024/07-30-24
IRD Method	IRD3 EXT
GC Method	ISODRUG14
GC Vial	3
Sample Name	P-MOX Std (CHCl3)
Misc. Info	CHCl3(
User ID	Hagrid
Injection Time	Tue Jul 30 16:47:30 2024
Date Processed	Mon Aug 05 10:22:32 2024



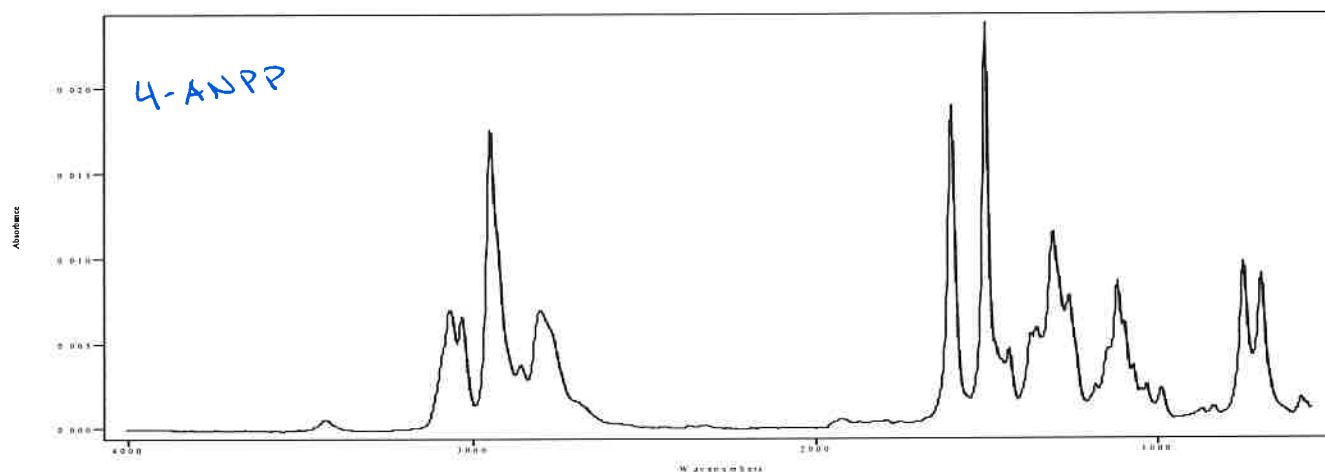
Peak Start	Peak End	Peak Width	Reference Start	Reference End
0.877	1.019	0.142	0.756	0.789
1.841	2.061	0.219	1.469	1.666
2.685	2.959	0.274	2.466	2.543
2.959	3.211	0.252	2.499	2.631
3.179	3.428	0.252	2.444	2.620



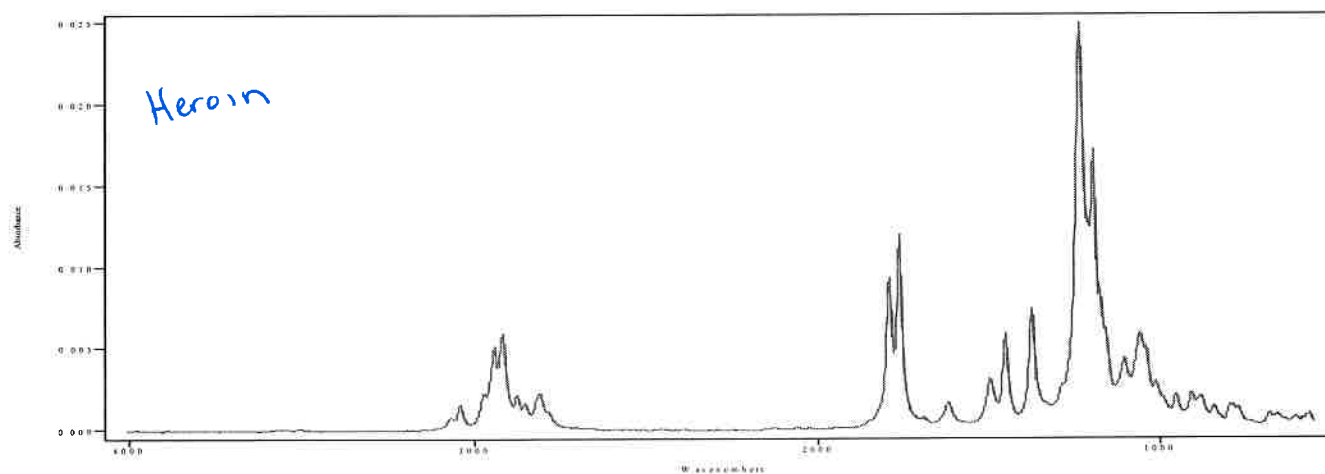
IRDATA.SPC: 0.94 minutes: AVE (0.88: 1.02) Ref. (0.76: 0.79) of ZJ-073024-PMOX-ISOR 2024_July_30_163100.cgm

IRD Data Analysis Report

Data Filename	ZJ-073024-PMOX-ISOR 2024_July_30_163100
Data Path	C:/ASAP DATA/Hagrid 2024/Jul 2024/07-30-24
IRD Method	IRD3 EXT
GC Method	ISODRUG14
GC Vial	3
Sample Name	P-MOX Std (CHCl3)
Misc. Info	CHCl3(;
User ID	Hagrid
Injection Time	Tue Jul 30 16:47:30 2024
Date Processed	Mon Aug 05 10:22:32 2024



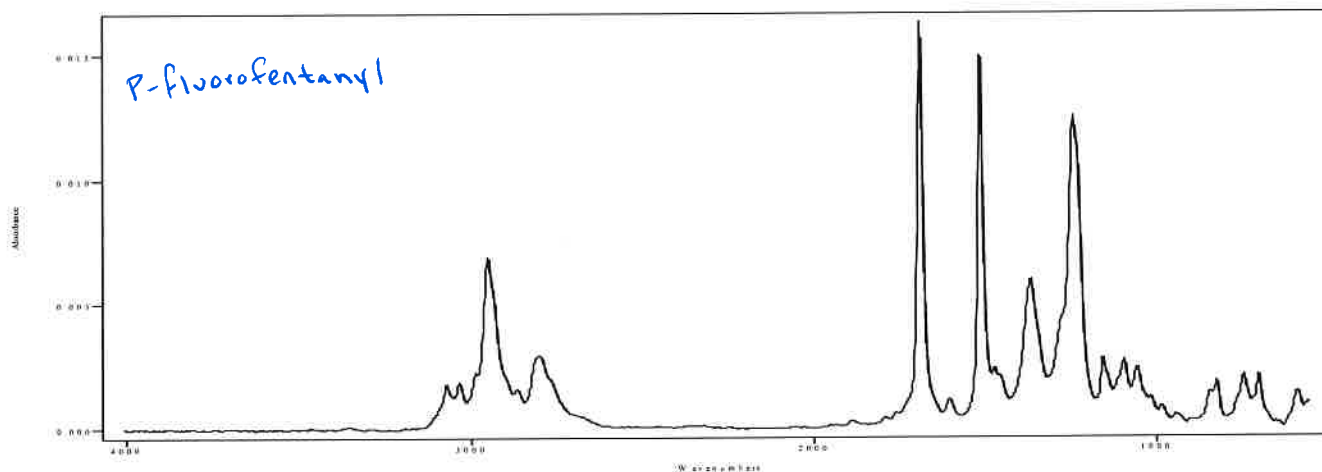
IRDATA.SPC: 1.95 minutes: AVE (1.84: 2.06) Ref. (1.47: 1.67) of ZJ-073024-PMOX-ISOR 2024_July_30_163100.cgm



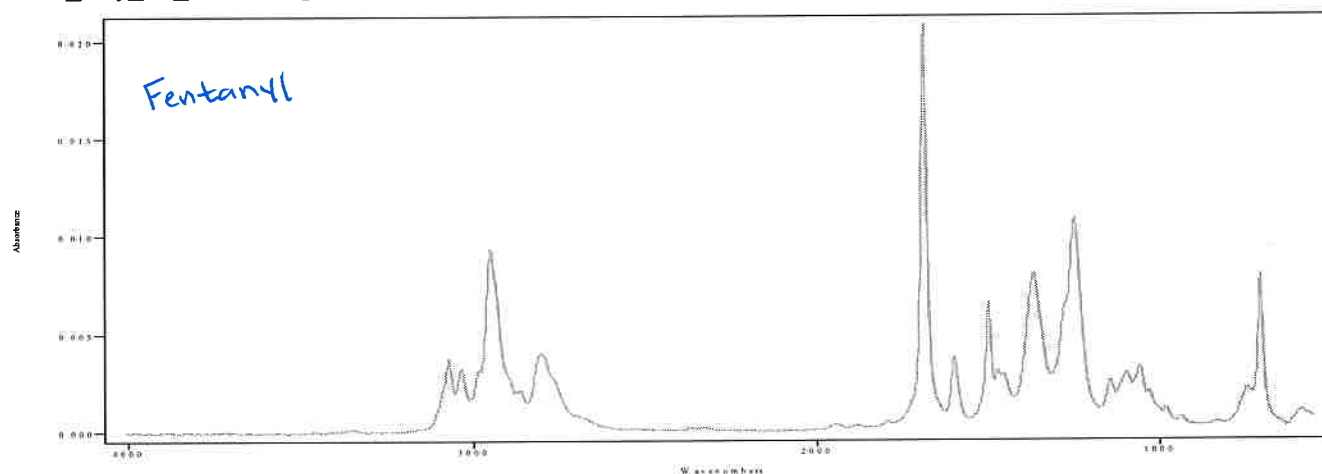
IRDATA.SPC: 2.82 minutes: AVE (2.69: 2.96) Ref. (2.47: 2.54) of ZJ-073024-PMOX-ISOR 2024_July_30_163100.cgm

IRD Data Analysis Report

Data Filename	ZJ-073024-PMOX-ISOR 2024_July_30_163100
Data Path	C:/ASAP DATA/Hagrid 2024/Jul 2024/07-30-24
IRD Method	IRD3 EXT
GC Method	ISODRUG14
GC Vial	3
Sample Name	P-MOX Std (CHCl3)
Misc. Info	CHCl3(:
User ID	Hagrid
Injection Time	Tue Jul 30 16:47:30 2024
Date Processed	Mon Aug 05 10:22:32 2024



IRDATA.SPC: 3.08 minutes: AVE (2.96: 3.21) Ref. (2.50: 2.63) of ZJ-073024-PMOX-ISOR 2024_July_30_163100.cgm

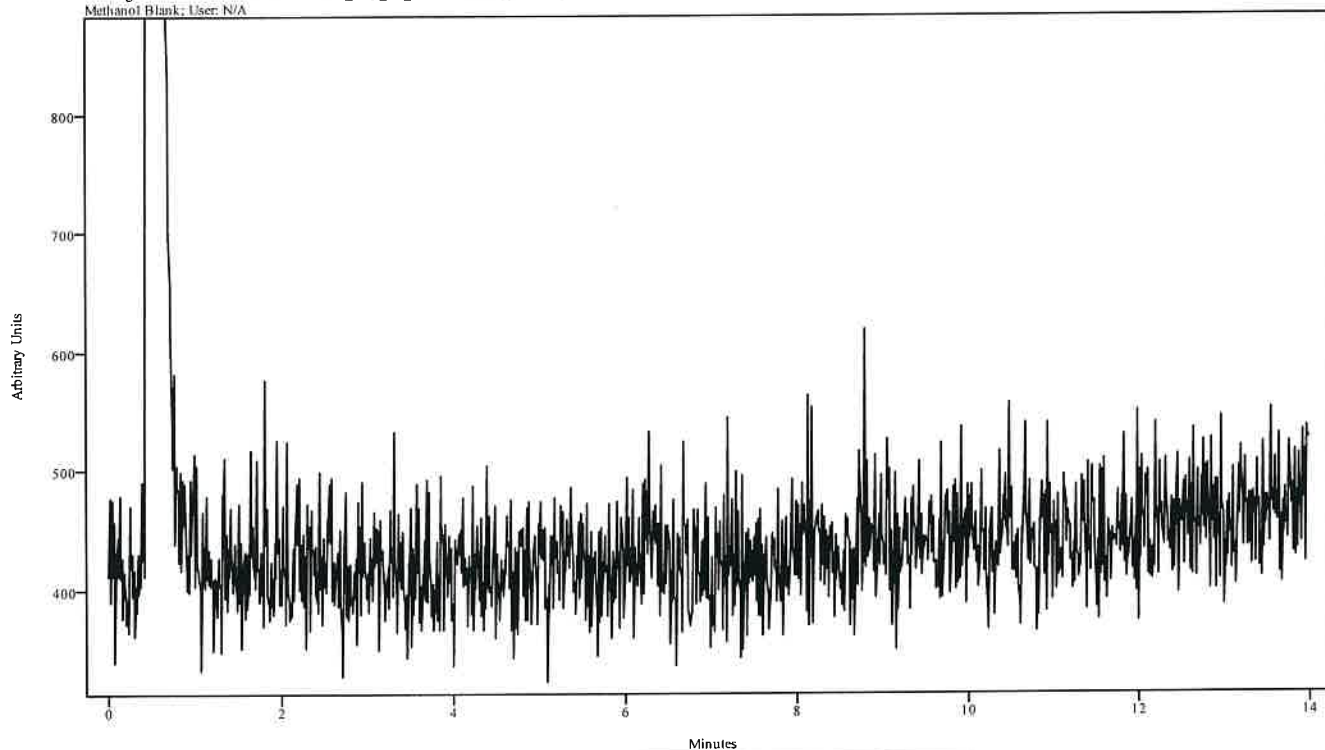


IRDATA.SPC: 3.35 minutes: AVE (3.18: 3.43) Ref. (2.44: 2.62) of ZJ-073024-PMOX-ISOR 2024_July_30_163100.cgm

IRD Data Analysis Report

Data Filename	ZJ-073024-PMOX-ISORB 2024_July_30_161430
Data Path	C:/ASAP DATA/Hagrid 2024/Jul 2024/07-30-24
IRD Method	IRD3 EXT
GC Method	ISODRUG14
GC Vial	1
Sample Name	Methanol Blank
Misc. Info	P-MOX Std (CHCl3):
User ID	N/A <i>Hagrid</i>
Injection Time	Tue Jul 30 16:31:00 2024
Date Processed	Thu Aug 01 08:43:23 2024

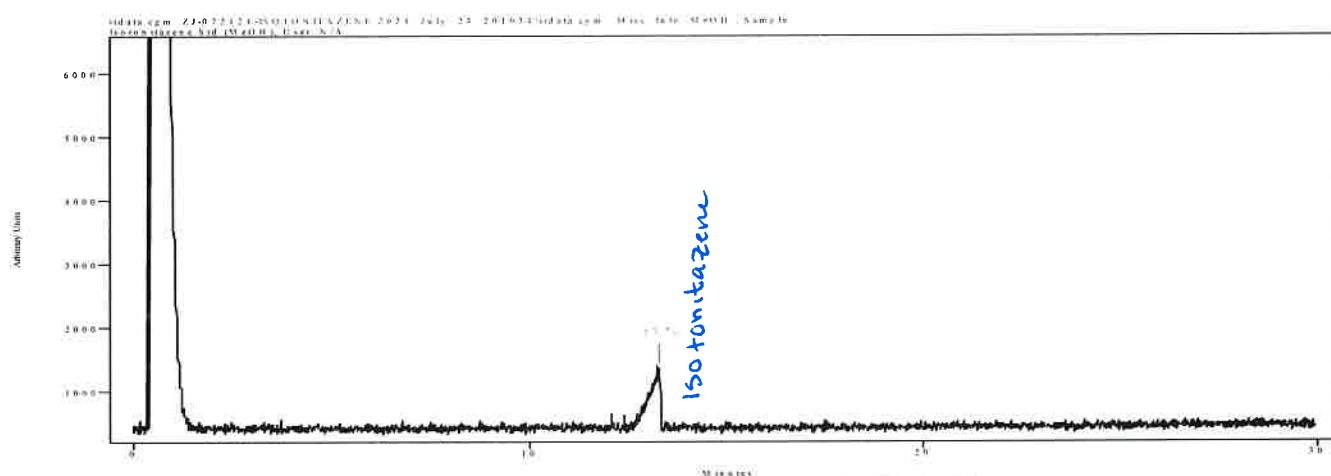
irdata.cgm: ZJ-073024-PMOX-ISORB 2024_July_30_161430
 irdata.cgm : Misc. Info: P-MOX Std (CHCl3); Sample: Methanol Blank; User: N/A



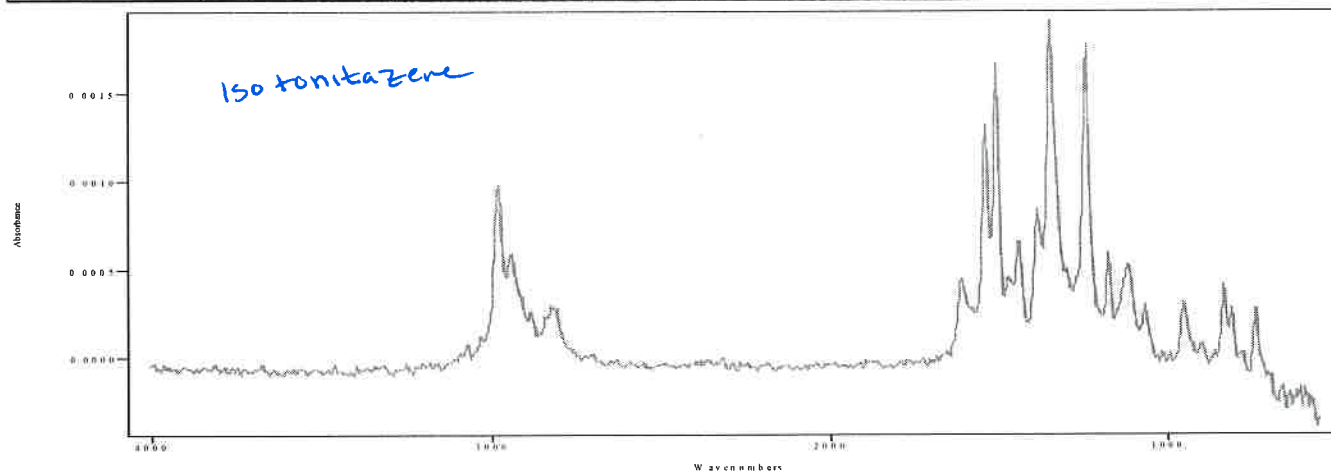
Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

IRD Data Analysis Report

Data Filename	ZJ-072424-ISOTONITAZENE 2024_July_24_201034
Data Path	C:/ASAP DATA/Hagrid 2024/Jul 2024/07-24-24
IRD Method	IRD3 EXT
GC Method	ISODRUG30
GC Vial	9
Sample Name	Isotonitazene Std (MeOH)
Misc. Info	MeOH:
User ID	NA <i>Hagrid</i>
Injection Time	Wed Jul 24 20:43:05 2024
Date Processed	Thu Jul 25 10:32:25 2024



Peak Start	Peak End	Peak Width	Reference Start	Reference End
13.233	13.326	0.088	12.430	12.069

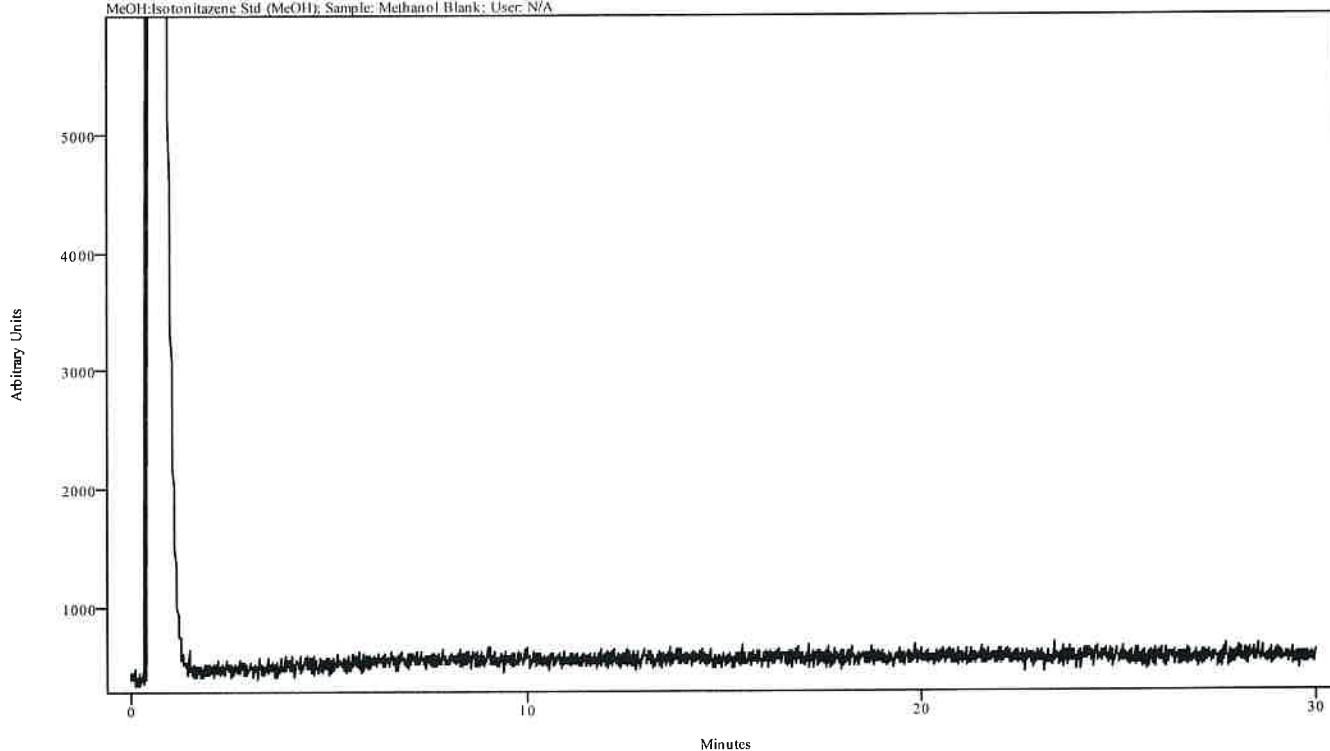


IRDATA.SPC: 13.28 minutes: AVE (13.24: 13.33) Ref. (12.07: 12.43) of ZJ-072424-ISOTONITAZENE 2024_July_24_201034.cgm

IRD Data Analysis Report

Data Filename	ZJ-072424-ISOTONITAZENE-B 2024_July_24_193633
Data Path	C:/ASAP DATA/Hagrid 2024/Jul 2024/07-24-24
IRD Method	IRD3 EXT
GC Method	ISODRUG30
GC Vial	1
Sample Name	Methanol Blank
Misc. Info	MeOH:Isotonitazene Std (MeOH)
User ID	N/A <i>Hagrid</i>
Injection Time	Wed Jul 24 20:10:34 2024
Date Processed	Thu Jul 25 10:32:14 2024

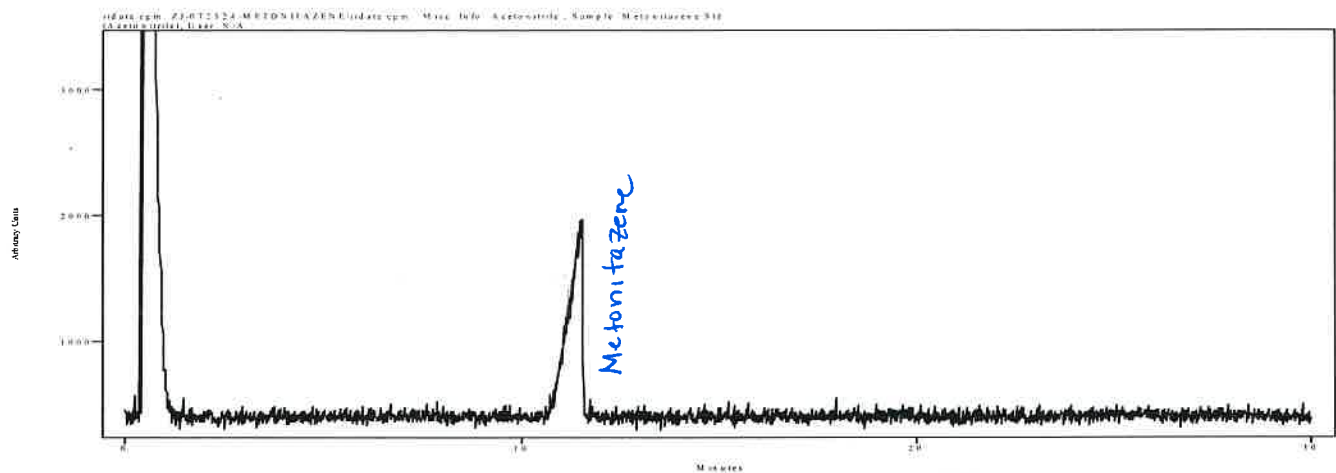
irdata.cgm: ZJ-072424-ISOTONITAZENE-B 2024_July_24_193633\irdata.cgm : Misc. Info:
MeOH:Isotonitazene Std (MeOH); Sample: Methanol Blank; User: N/A



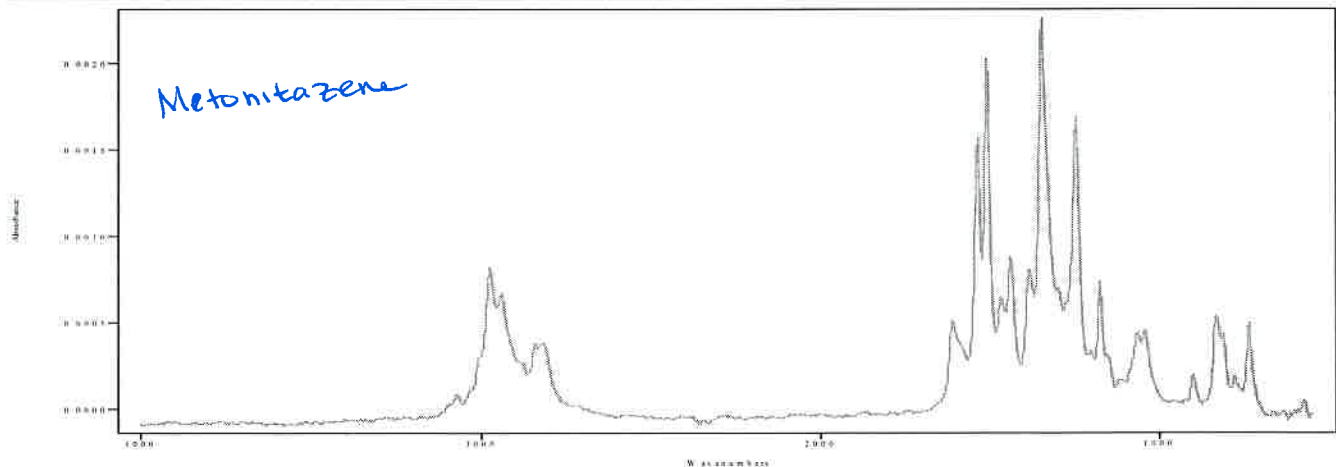
Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

IRD Data Analysis Report

Data Filename	ZJ-072524-METONITAZENE
Data Path	C:/ASAP DATA/Hagrid 2024/Jul 2024/07-25-24/ZJ-072524-METONITAZENE
IRD Method	IRD3 EXT
GC Method	ISODRUG30
GC Vial	4
Sample Name	Metonitazene Std (Acetonitrile)
Misc. Info	Acetonitrile:
User ID	N/A <i>Hagrid</i>
Injection Time	Thu Jul 25 18:46:25 2024
Date Processed	Fri Jul 26 09:15:07 2024



Peak Start	Peak End	Peak Width	Reference Start	Reference End
10.720	11.586	0.865	7.873	9.713

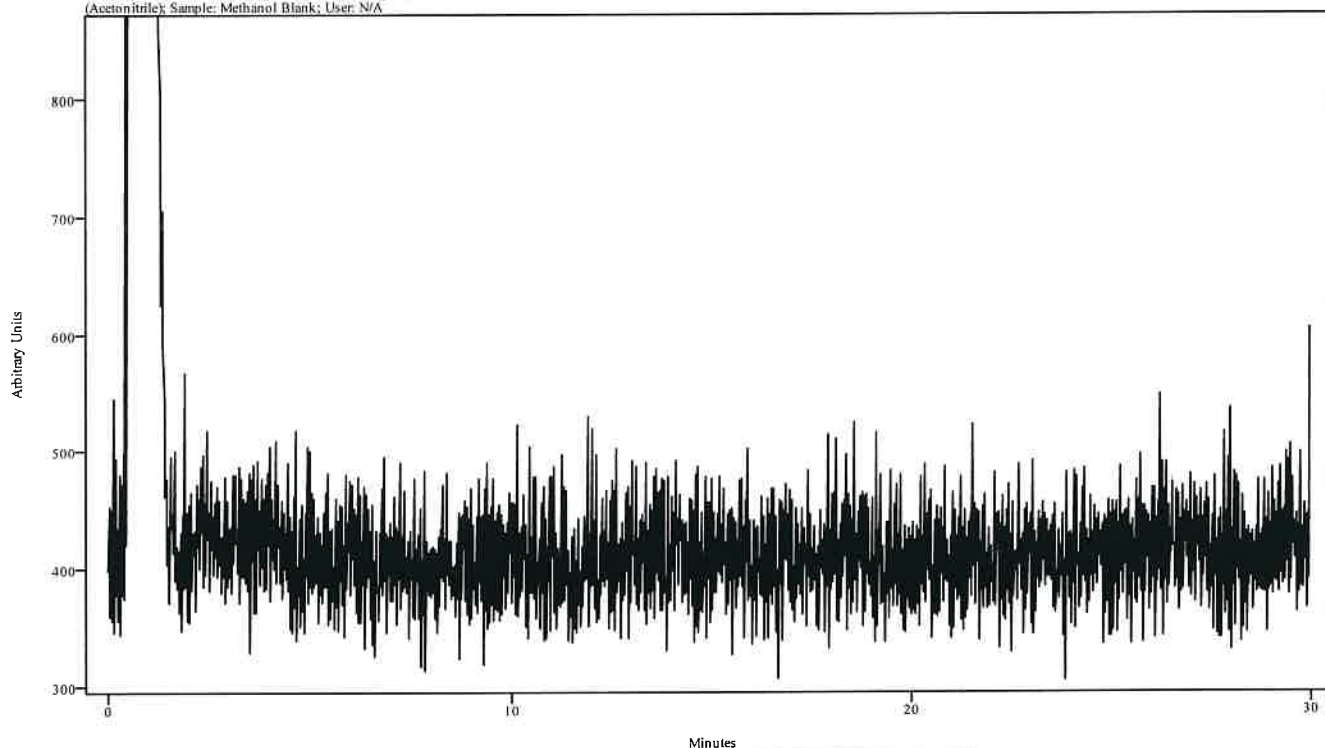


IRDATA.SPC: 11.15 minutes: AVE (10.72: 11.59) Ref. (7.87: 9.71) of ZJ-072524-METONITAZENE.cgm

IRD Data Analysis Report

Data Filename	ZJ-072524-METONITAZENE-B 2024_July_25_174115
Data Path	C:/ASAP DATA/Hagrid 2024/Jul 2024/07-25-24
IRD Method	IRD3 EXT
GC Method	ISODRUG30
GC Vial	1
Sample Name	Methanol Blank
Misc. Info	MeOH:Metonitazene Std (Acetonitrile)
User ID	N/A <i>Hagrid</i>
Injection Time	Thu Jul 25 18:13:49 2024
Date Processed	Fri Jul 26 09:14:39 2024

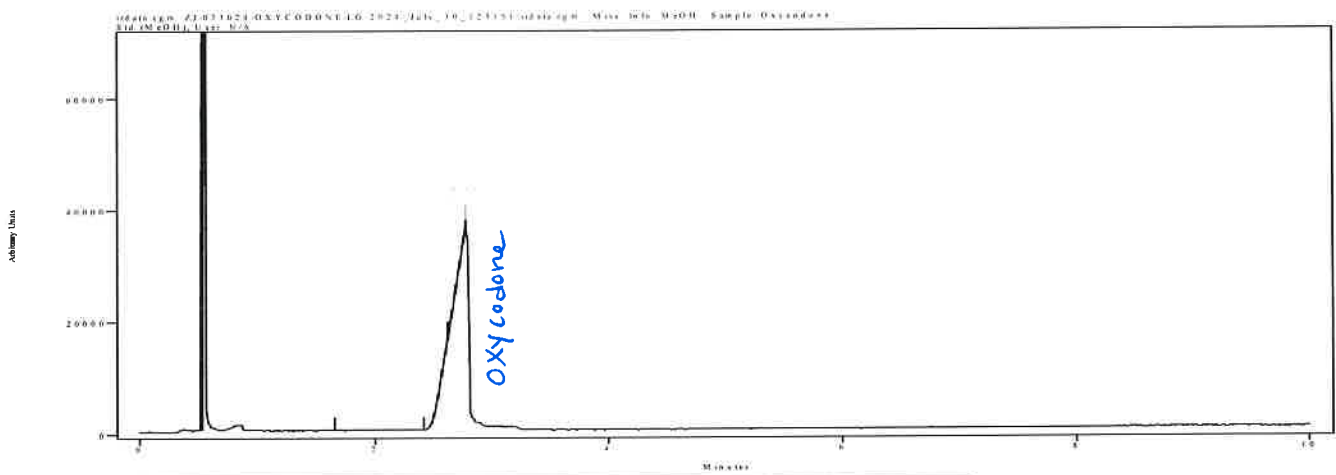
irdata.cgm: ZJ-072524-METONITAZENE-B 2024_July_25_174115 irdata.cgm : Misc. Info: MeOH:Metonitazene Std
(Acetonitrile); Sample: Methanol Blank; User: N/A



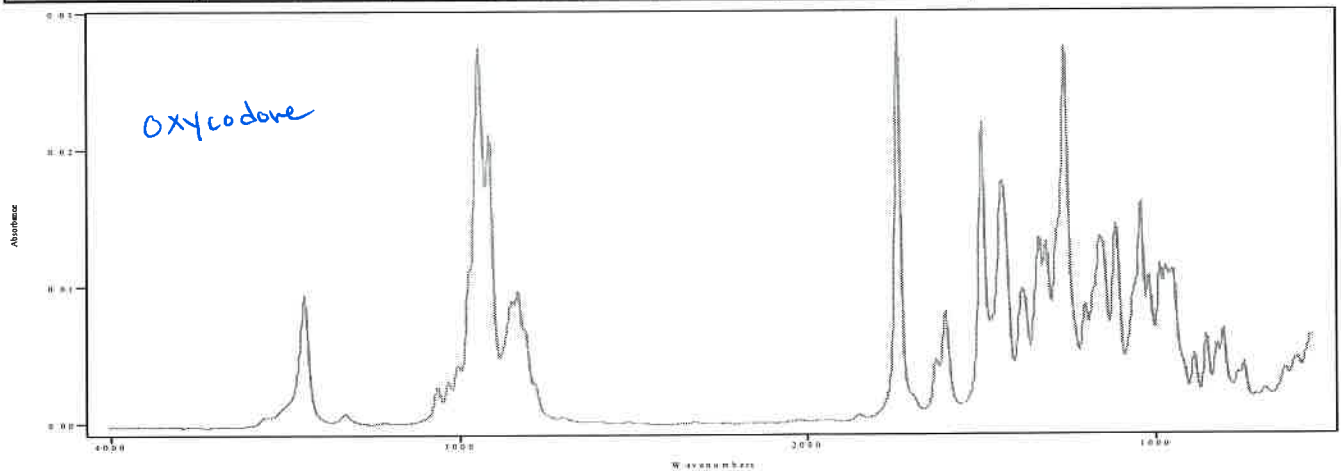
Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

IRD Data Analysis Report

Data Filename	ZJ-073024-OXYCODONE-LG 2024_July_30_123151
Data Path	C:/ASAP DATA/Hagrid 2024/Jul 2024/07-30-24
IRD Method	IRD3 EXT
GC Method	LGISODRUG10
GC Vial	2
Sample Name	Oxycodone Std (MeOH)
Misc. Info	MeOH:
User ID	N/A <i>Hagrid</i>
Injection Time	Tue Jul 30 12:44:23 2024
Date Processed	Tue Jul 30 13:41:26 2024



Peak Start	Peak End	Peak Width	Reference Start	Reference End
2.629	2.805	0.175	1.665	2.410

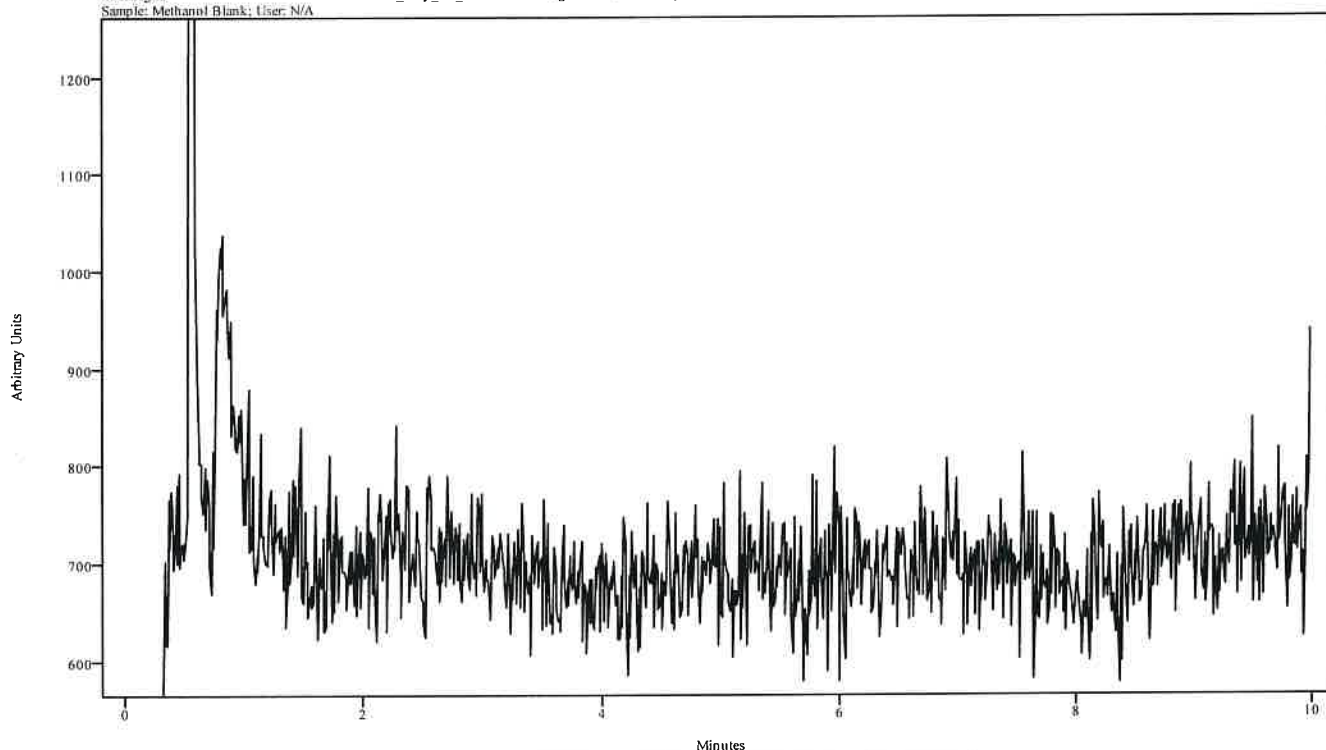


IRDATA.SPC: 2.77 minutes: AVE (2.63: 2.80) Ref. (1.67: 2.41) of ZJ-073024-OXYCODONE-LG 2024_July_30_123151.cgm

IRD Data Analysis Report

Data Filename	ZJ-073024-OXYCODONE-LGB 2024_July_30_121916
Data Path	C:/ASAP DATA/Hagrid 2024/Jul 2024/07-30-24
IRD Method	IRD3 EXT
GC Method	LGISODRUG10
GC Vial	1
Sample Name	Methanol Blank
Misc. Info	Oxycodone Std (MeOH):
User ID	N/A <i>Hagrid</i>
Injection Time	Tue Jul 30 12:31:51 2024
Date Processed	Tue Jul 30 13:41:46 2024

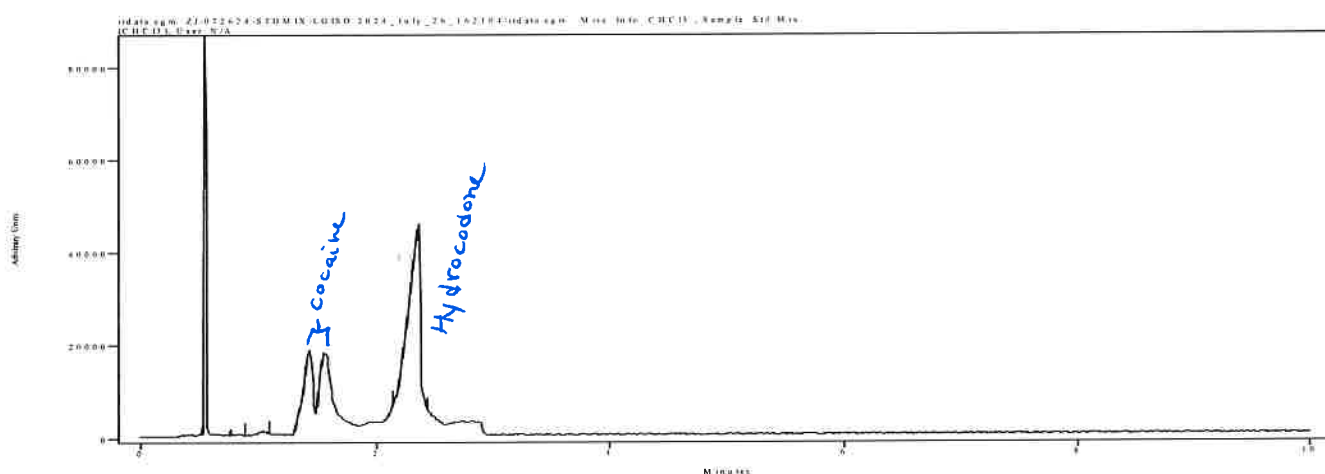
irdata.cgm: ZJ-073024-OXYCODONE-LGB 2024_July_30_121916\irdata.cgm : Misc. Info: Oxycodone Std (MeOH);
Sample: Methanol Blank; User: N/A



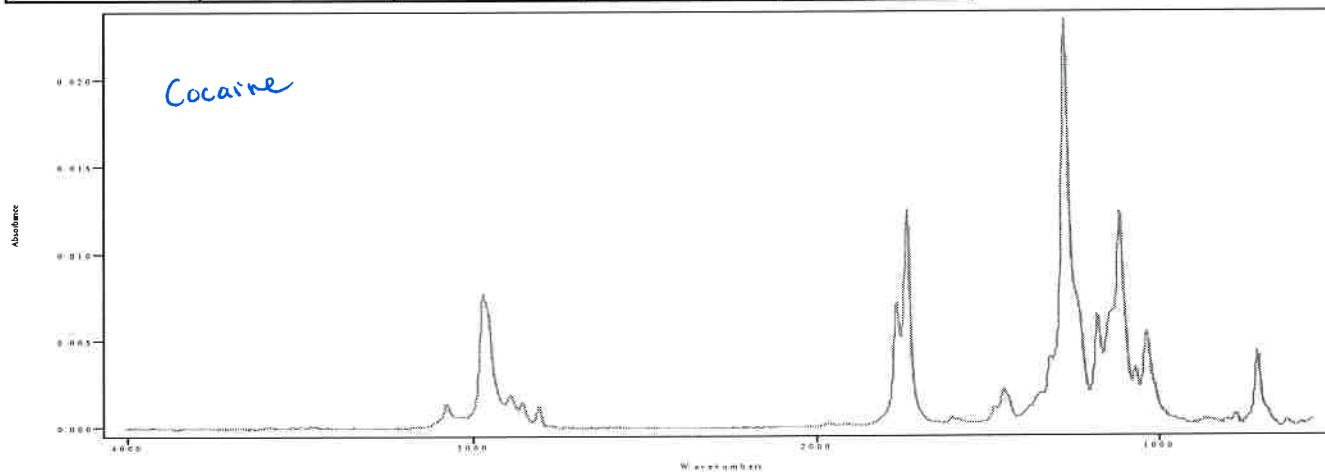
Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

IRD Data Analysis Report

Data Filename	ZJ-072624-STD MIX-LGISO 2024_July_26_162104
Data Path	C:/ASAP DATA/Hagrid 2024/Jul 2024/07-26-24
IRD Method	IRD3 EXT
GC Method	LGISODRUG10
GC Vial	2
Sample Name	Std Mix (CHCl3)
Misc. Info	CHCl3:
User ID	~~N/A~~ Hagrid
Injection Time	Fri Jul 26 16:33:32 2024
Date Processed	Mon Aug 05 10:30:59 2024



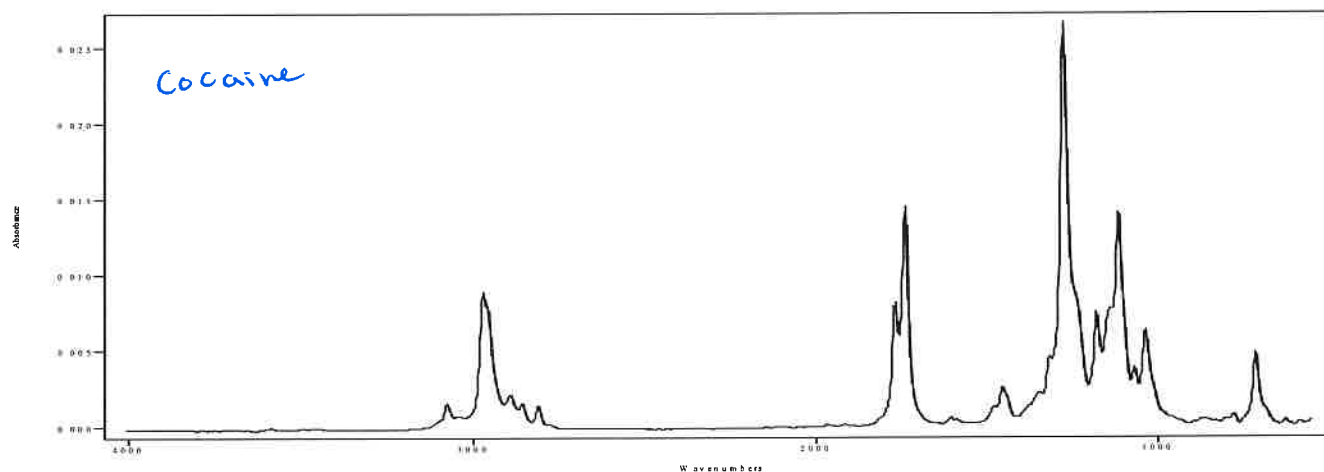
Peak Start	Peak End	Peak Width	Reference Start	Reference End
1.335	1.488	0.153	0.996	1.127
1.510	1.630	0.120	0.985	1.280
2.145	2.440	0.295	0.897	1.094



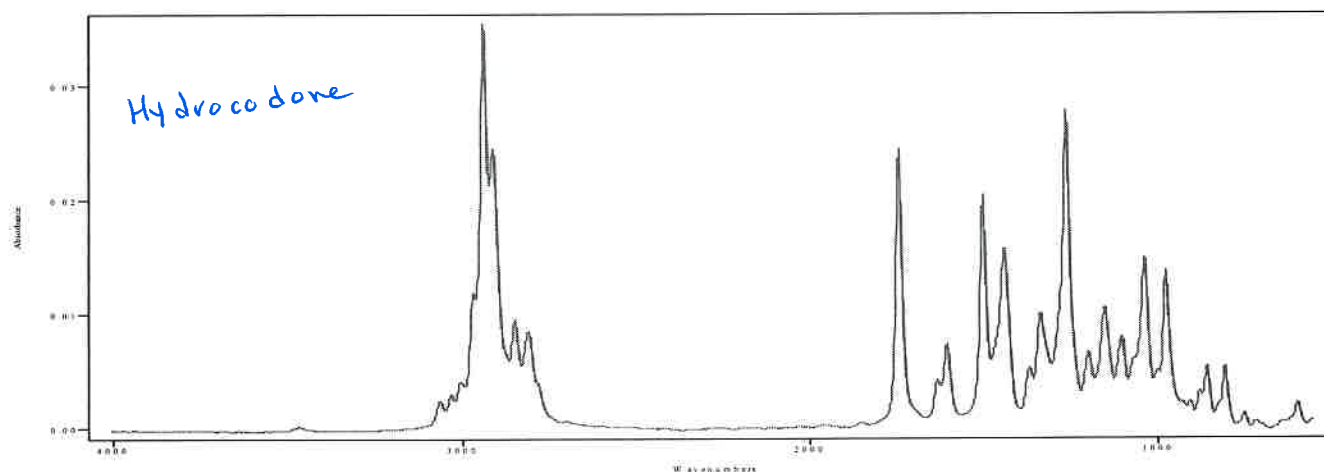
IRDATA.SPC: 1.41 minutes: AVE (1.33: 1.49) Ref. (1.00: 1.13) of ZJ-072624-STD MIX-LGISO 2024_July_26_162104.cgm

IRD Data Analysis Report

Data Filename	ZJ-072624-STD MIX-LGISO 2024_July_26_162104
Data Path	C:/ASAP DATA/Hagrid 2024/Jul 2024/07-26-24
IRD Method	IRD3 EXT
GC Method	LGISODRUG10
GC Vial	2
Sample Name	Std Mix (CHCl3)
Misc. Info	CHCl3:
User ID	N/A <i>Hagrid</i>
Injection Time	Fri Jul 26 16:33:32 2024
Date Processed	Mon Aug 05 10:30:59 2024



IRDATA.SPC: 1.56 minutes: AVE (1.51: 1.63) Ref. (0.98: 1.28) of ZJ-072624-STD MIX-LGISO 2024_July_26_162104.cgm

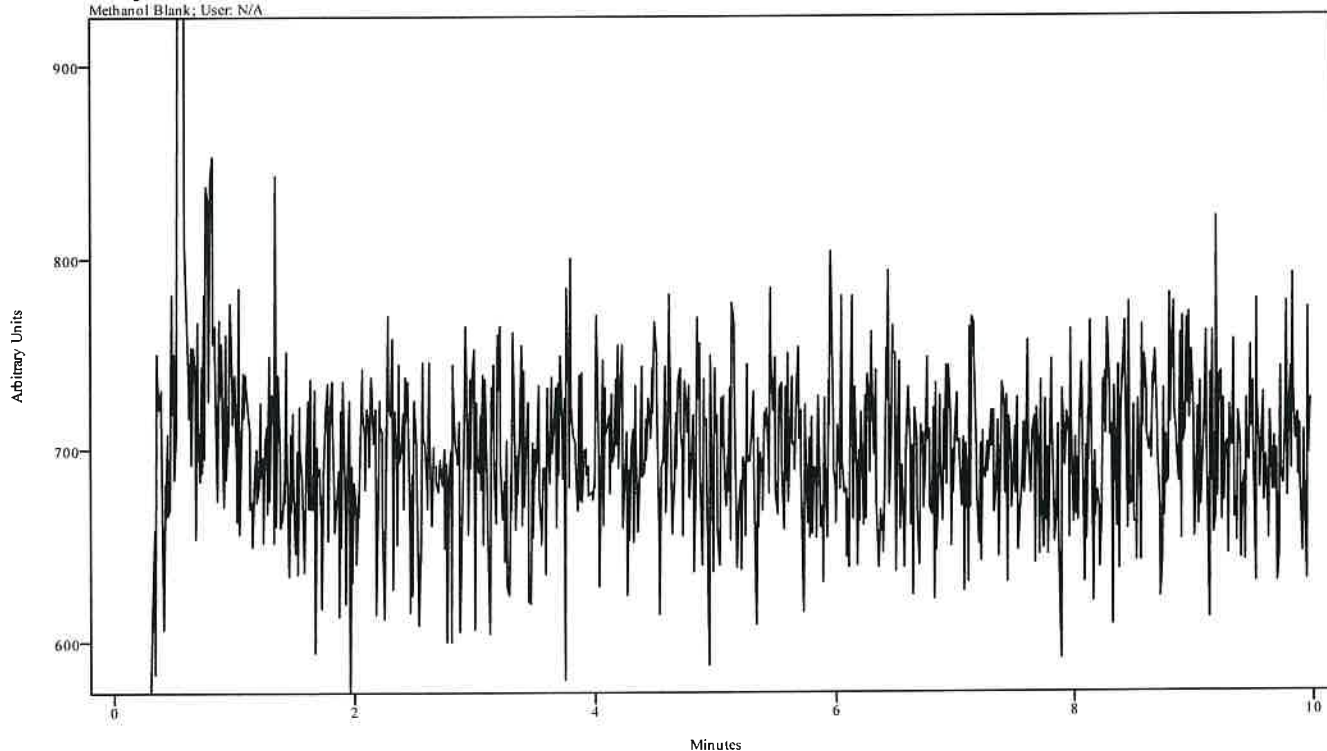


IRDATA.SPC: 2.29 minutes: AVE (2.14: 2.44) Ref. (0.90: 1.09) of ZJ-072624-STD MIX-LGISO 2024_July_26_162104.cgm

IRD Data Analysis Report

Data Filename	ZJ-072624-STD MIX-LGISO-B
Data Path	C:/ASAP DATA/Hagrid 2024/Jul 2024/07-26-24/ZJ-072624-STD MIX-LGISO-B
IRD Method	IRD3 EXT
GC Method	LGISODRUG10
GC Vial	1
Sample Name	Methanol Blank
Misc. Info	MeOH:Std Mix (CHCl3)
User ID	N/A <i>Hagrid</i>
Injection Time	Fri Jul 26 16:21:04 2024
Date Processed	Mon Jul 29 10:29:40 2024

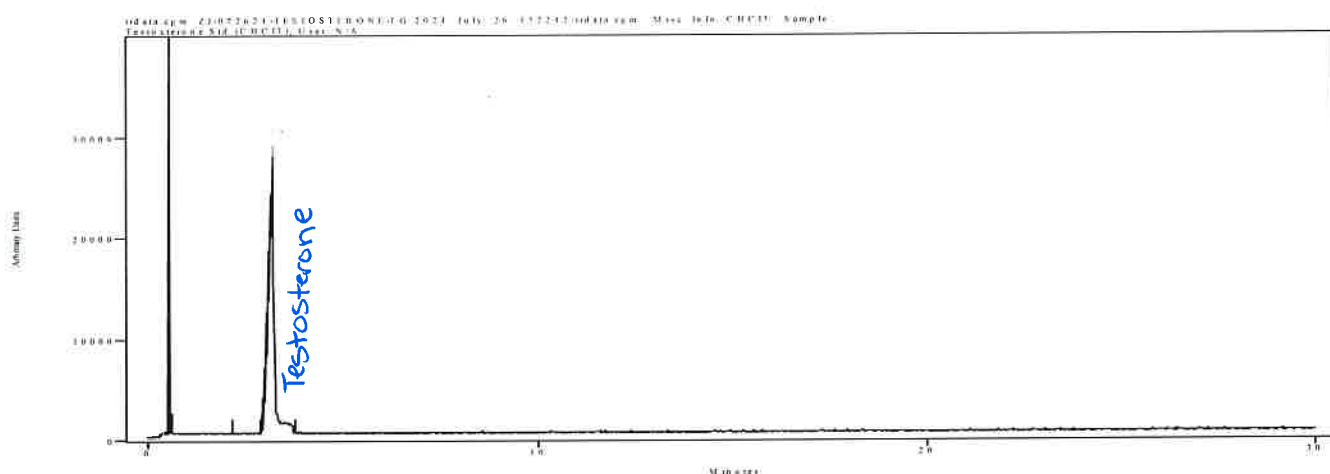
irdata.egm: ZJ-072624-STD MIX-LGISO-B\irdata.egm : Misc. Info: MeOH:Std Mix (CHCl3); Sample: Methanol Blank; User: N/A



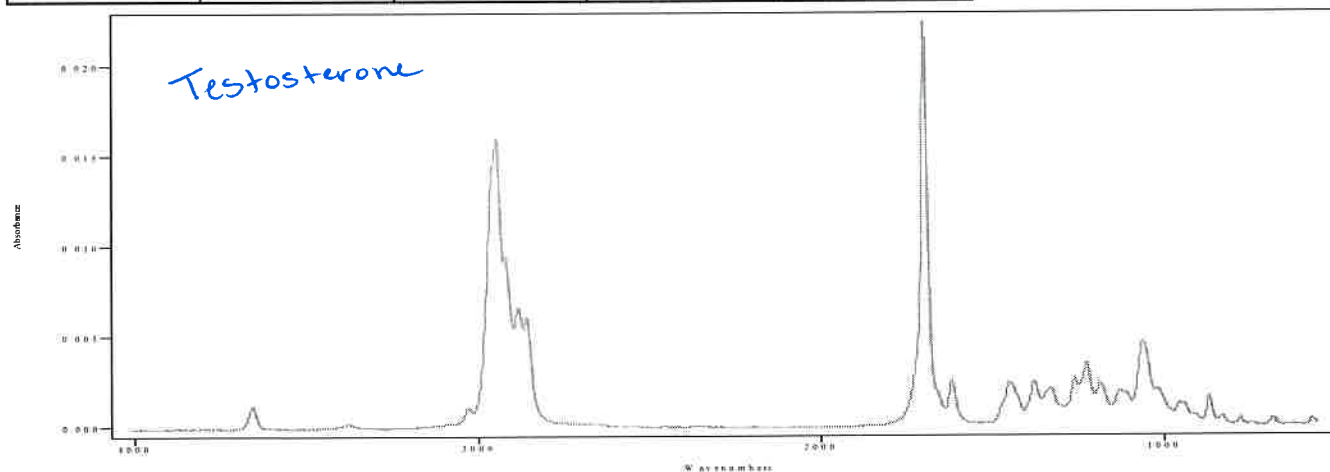
Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

IRD Data Analysis Report

Data Filename	ZJ-072624-TESTOSTERONE-LG 2024_July_26_152242
Data Path	C:/ASAP DATA/Hagrid 2024/Jul 2024/07-26-24
IRD Method	IRD3 EXT
GC Method	LGISODRUG30
GC Vial	4
Sample Name	Testosterone Std (CHCl3)
Misc. Info	CHCl3:
User ID	N/A <i>Hagrid</i>
Injection Time	Fri Jul 26 15:55:10 2024
Date Processed	Mon Jul 29 10:29:04 2024



Peak Start	Peak End	Peak Width	Reference Start	Reference End
2.939	3.732	0.799	2.146	2.847

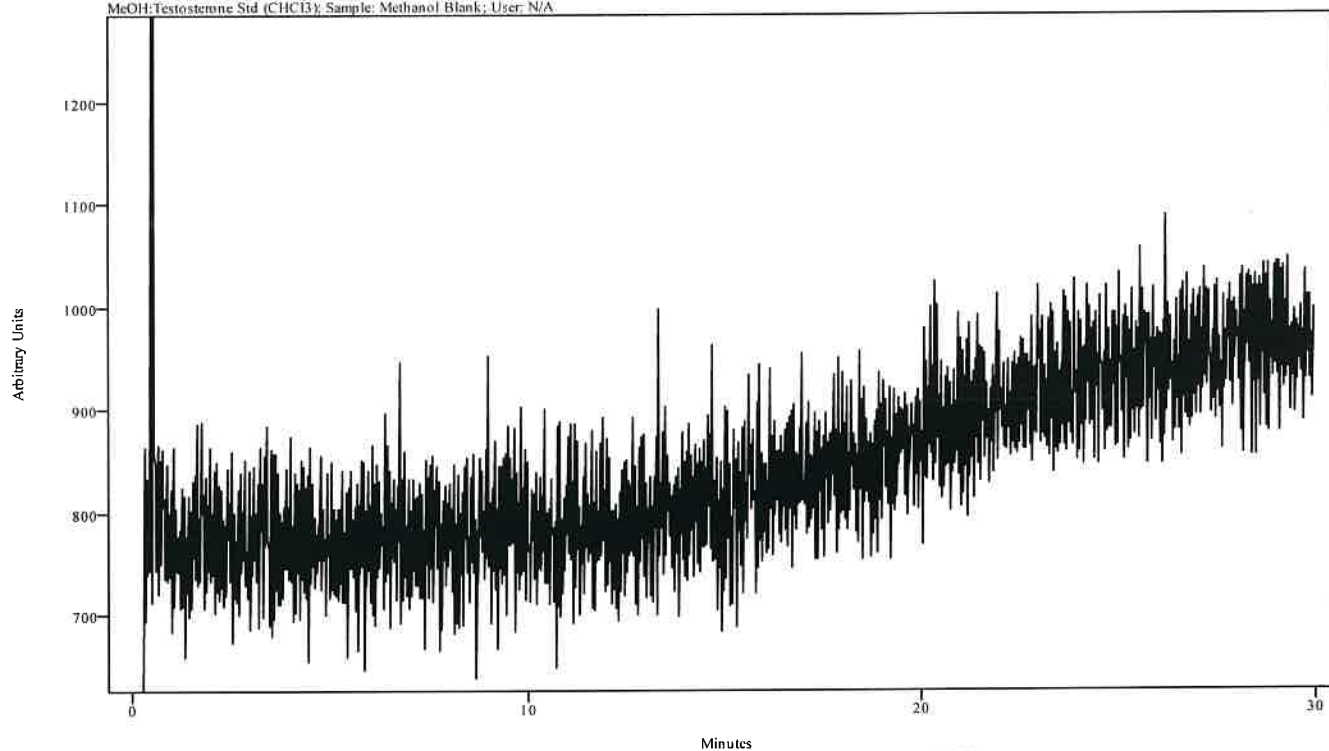


IRDATA.SPC: 3.18 minutes: AVE (2.93: 3.73) Ref. (2.15: 2.85) of ZJ-072624-TESTOSTERONE-LG 2024_July_26_152242.cgm

IRD Data Analysis Report

Data Filename	ZJ-072624-TESTOSTERONE-LGB 2024_July_26_145006
Data Path	C:/ASAP DATA/Hagrid 2024/Jul 2024/07-26-24
IRD Method	IRD3 EXT
GC Method	LGISODRUG30
GC Vial	1
Sample Name	Methanol Blank
Misc. Info	MeOH:Testosterone Std (CHCl3)
User ID	N/A <i>Hagrid</i>
Injection Time	Fri Jul 26 15:22:41 2024
Date Processed	Mon Jul 29 10:28:42 2024

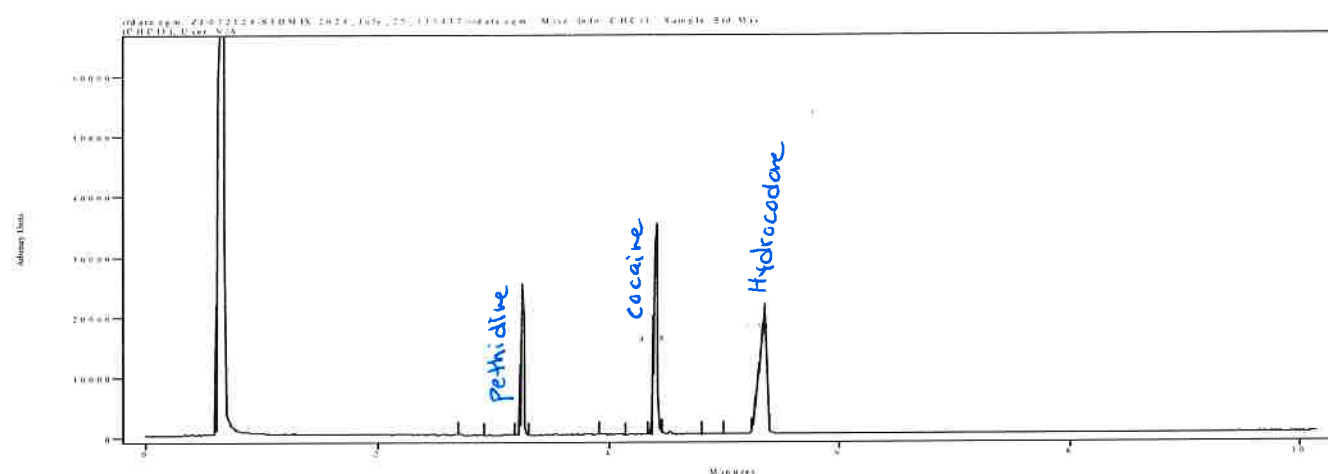
irdata.cgm: ZJ-072624-TESTOSTERONE-LGB 2024_July_26_145006
 Misc. Info: MeOH:Testosterone Std (CHCl3); Sample: Methanol Blank; User: N/A



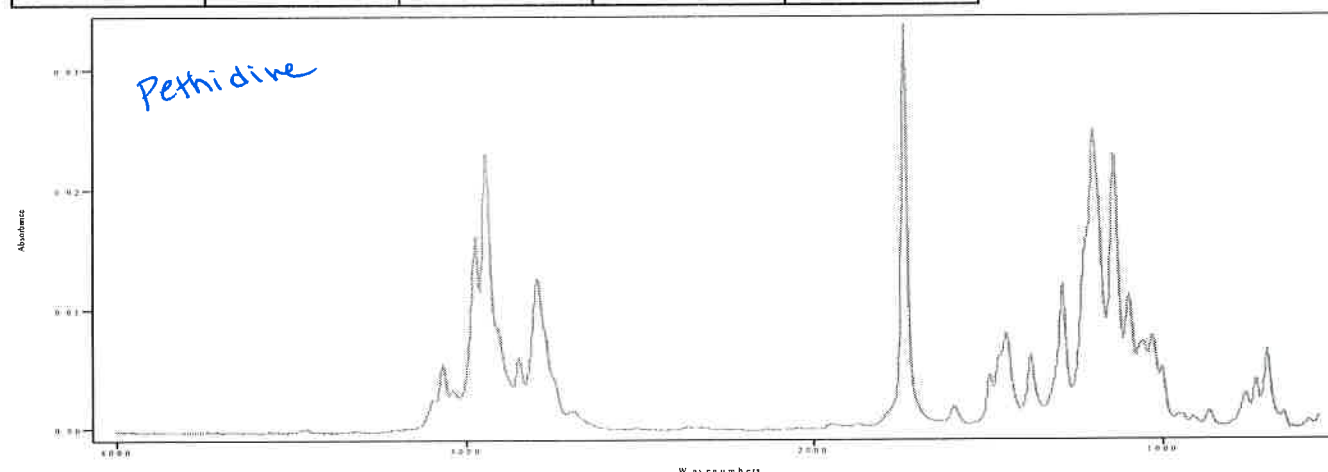
Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

IRD Data Analysis Report

Data Filename	ZJ-072524-STD MIX 2024_July_25_115437
Data Path	C:/ASAP DATA/Hagrid 2024/Jul 2024/07-25-24
IRD Method	IRD3 EXT
GC Method	LGDRUG10
GC Vial	2
Sample Name	Std Mix (CHCl3)
Misc. Info	CHCl3:
User ID	N/A <i>Hagrid</i>
Injection Time	Thu Jul 25 12:32:19 2024
Date Processed	Fri Jul 26 09:20:24 2024



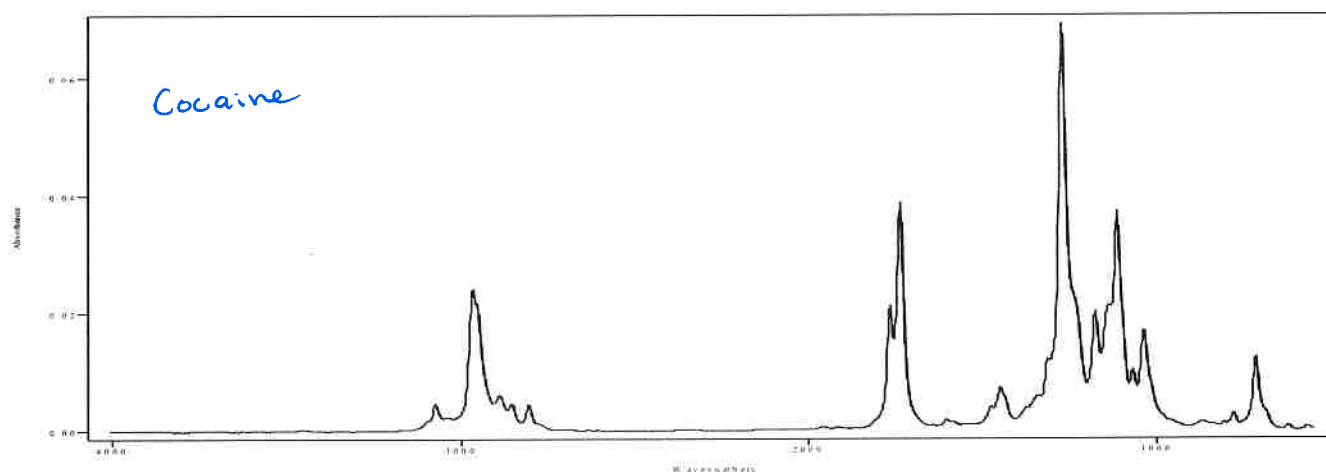
Peak Start	Peak End	Peak Width	Reference Start	Reference End
3.174	3.306	0.131	2.693	2.923
4.324	4.444	0.120	3.919	4.138
5.232	5.386	0.153	4.805	4.992



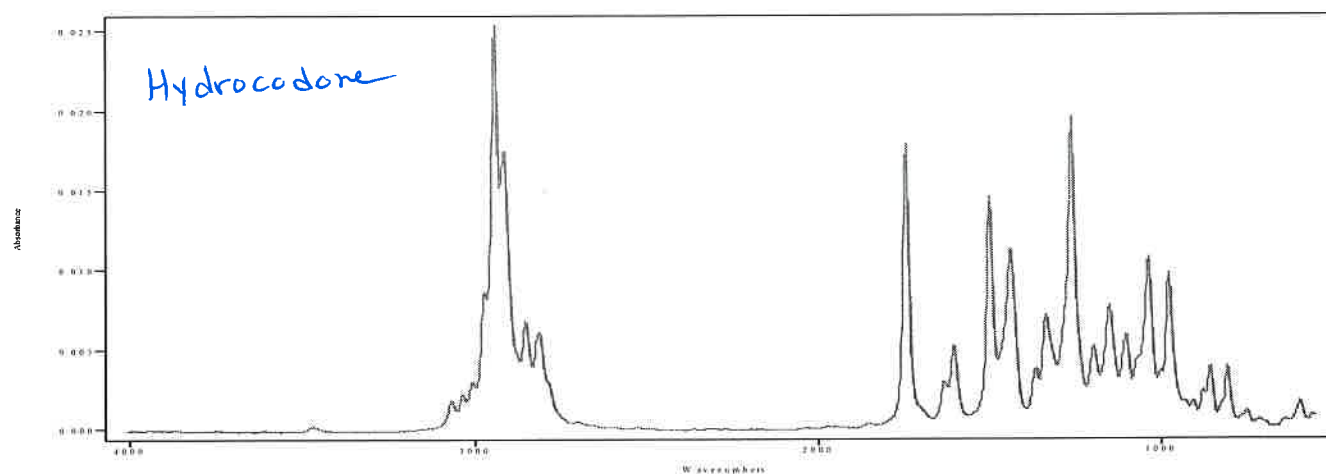
IRDATA.SPC: 3.24 minutes: AVE (3.17: 3.31) Ref. (2.69: 2.92) of ZJ-072524-STD MIX 2024_July_25_115437.cgm

IRD Data Analysis Report

Data Filename	ZJ-072524-STD MIX 2024_July_25_115437
Data Path	C:/ASAP DATA/Hagrid 2024/Jul 2024/07-25-24
IRD Method	IRD3 EXT
GC Method	LGDRUG10
GC Vial	2
Sample Name	Std Mix (CHCl3)
Misc. Info	CHCl3:
User ID	~~NA~~ Hagrid
Injection Time	Thu Jul 25 12:32:19 2024
Date Processed	Fri Jul 26 09:20:24 2024



IRDATA.SPC: 4.38 minutes: AVE (4.32: 4.44) Ref. (3.92: 4.14) of ZJ-072524-STD MIX 2024_July_25_115437.cgm

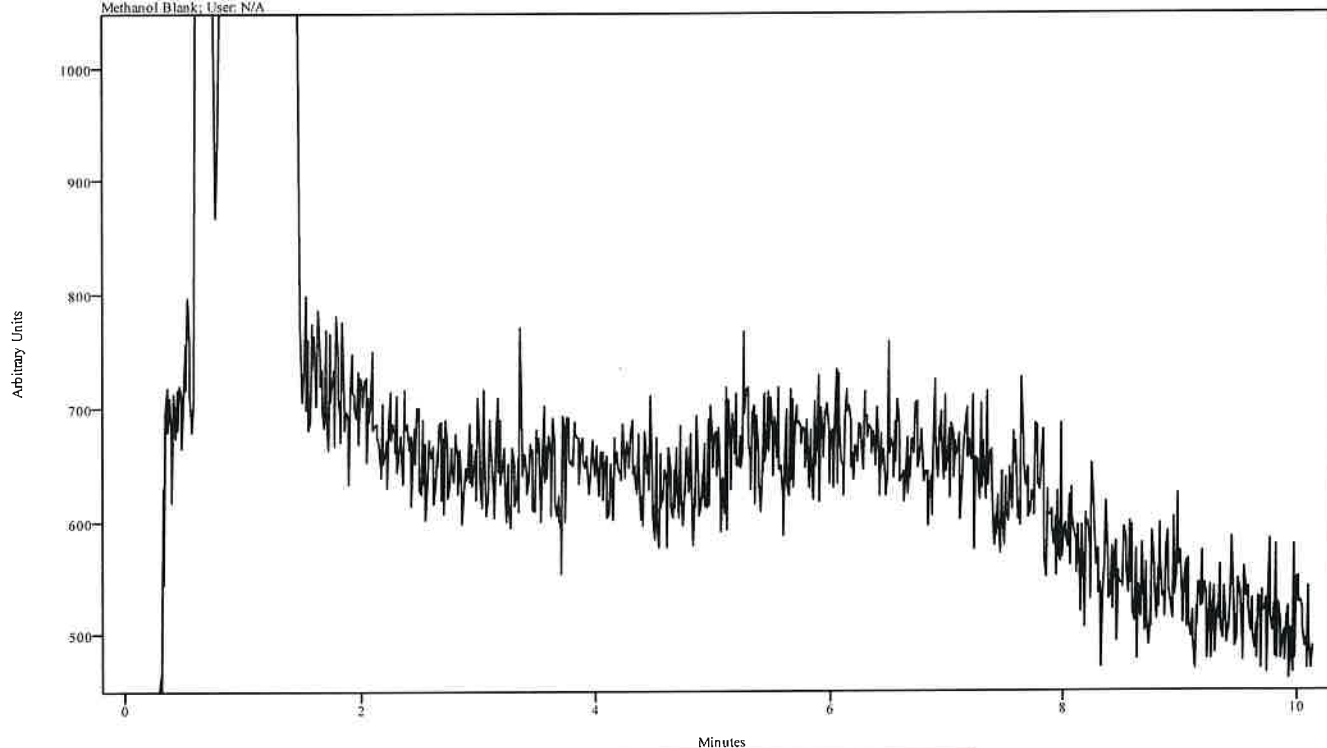


IRDATA.SPC: 5.31 minutes: AVE (5.23: 5.39) Ref. (4.81: 4.99) of ZJ-072524-STD MIX 2024_July_25_115437.cgm

IRD Data Analysis Report

Data Filename	ZJ-072524-STD MIX-B 2024_July_25_114141
Data Path	C:/ASAP DATA/Hagrid 2024/Jul 2024/07-25-24
IRD Method	IRD3 EXT
GC Method	LGDRUG10
GC Vial	1
Sample Name	Methanol Blank
Misc. Info	MeOH:Std Mix (CHCl3)
User ID	N/A <i>Hagrid</i>
Injection Time	Thu Jul 25 11:54:37 2024
Date Processed	Fri Jul 26 09:19:55 2024

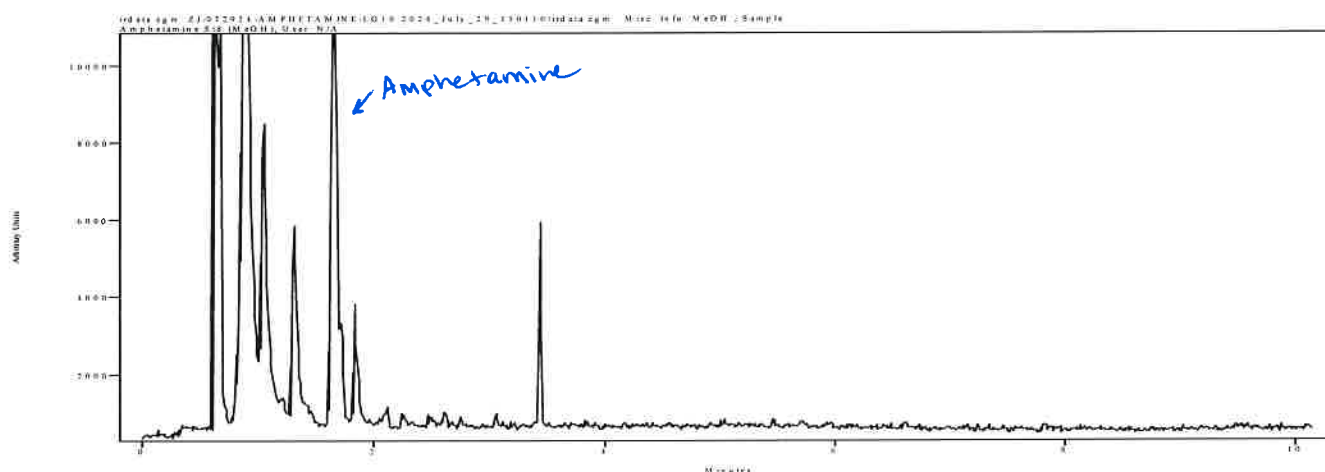
irdata.cgm: ZJ-072524-STD MIX-B 2024_July_25_114141\irdata.cgm : Misc. Info: MeOH:Std Mix (CHCl3); Sample: Methanol Blank; User: N/A



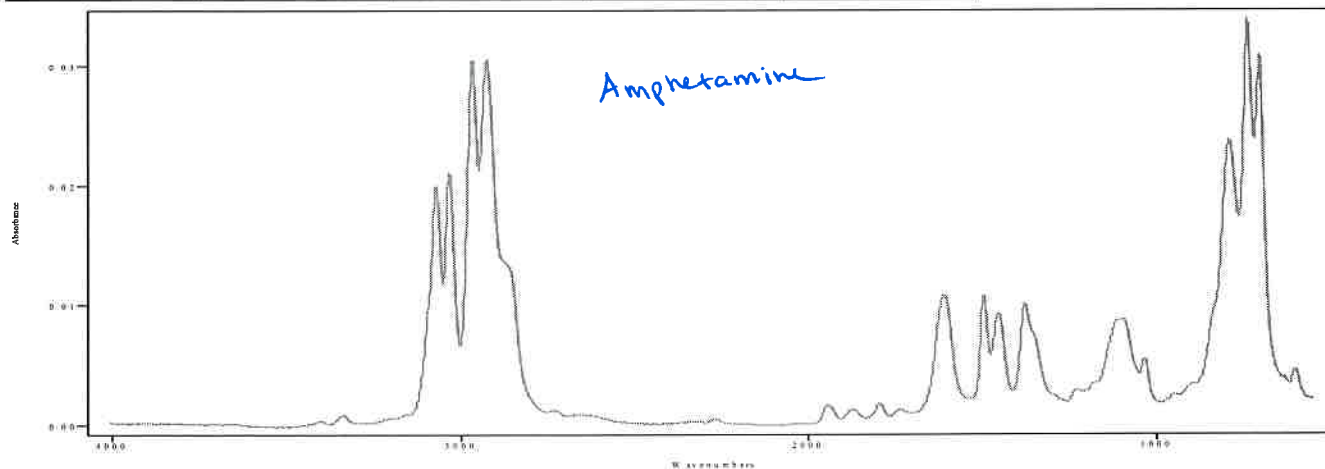
Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

IRD Data Analysis Report

Data Filename	ZJ-072924-AMPHETAMINE-LG10 2024_July_29_150110
Data Path	C:/ASAP DATA/Hagrid 2024/Jul 2024/07-29-24
IRD Method	IRD3 EXT
GC Method	LGDRUG10
GC Vial	2
Sample Name	Amphetamine Std (MeOH)
Misc. Info	MeOH;
User ID	N/A <i>Hagrid</i>
Injection Time	Mon Jul 29 15:14:09 2024
Date Processed	Mon Aug 05 10:38:16 2024



Peak Start	Peak End	Peak Width	Reference Start	Reference End
1.576	1.740	0.164	0.285	0.438

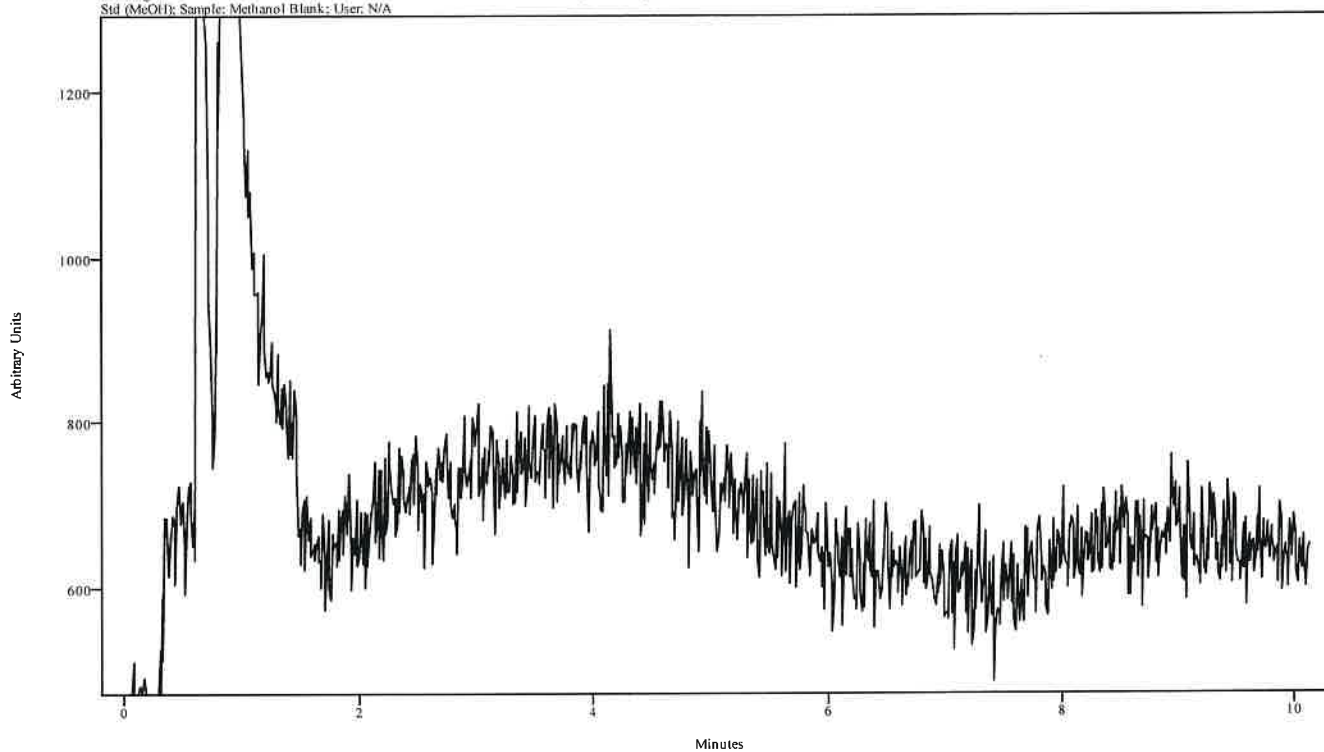


IRDATA.SPC: 1.65 minutes: AVE (1.58: 1.74) Ref. (0.28: 0.44) of ZJ-072924-AMPHETAMINE-LG10 2024_July_29_150110.cgm

IRD Data Analysis Report

Data Filename	ZJ-072924-AMPHETAMINE-LG10-B 2024_July_29_144733
Data Path	C:/ASAP DATA/Hagrid 2024/Jul 2024/07-29-24
IRD Method	IRD3 EXT
GC Method	LGDRUG10
GC Vial	1
Sample Name	Methanol Blank
Misc. Info	MeOH:Amphetamine Std (MeOH)
User ID	N/A <i>Hagrid</i>
Injection Time	Mon Jul 29 15:01:10 2024
Date Processed	Tue Jul 30 09:45:55 2024

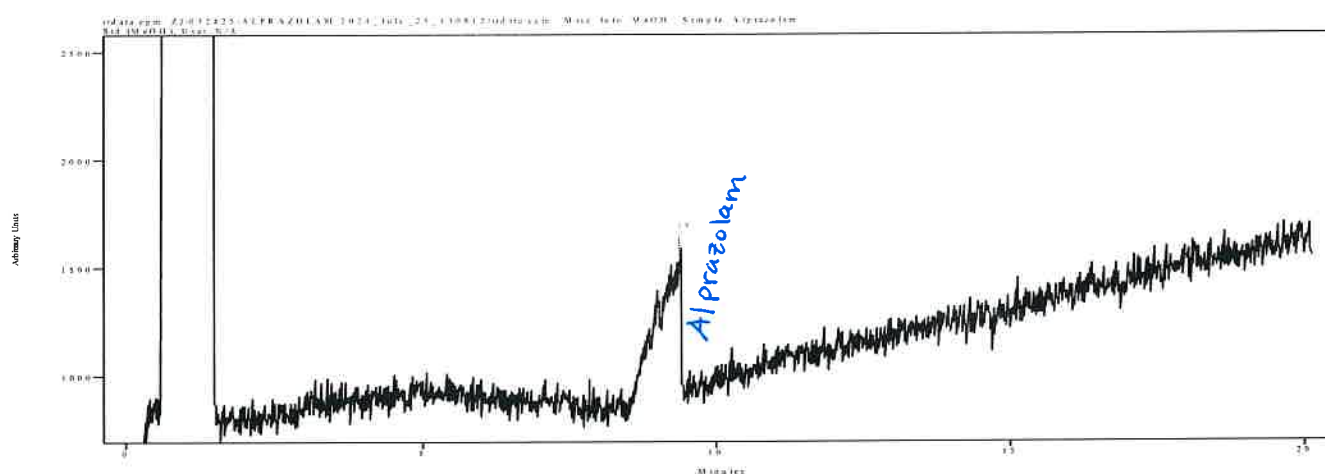
irdata.cgm: ZJ-072924-AMPHETAMINE-LG10-B 2024_July_29_144733\irdata.cgm : Misc. Info: MeOH:Amphetamine
Std (MeOH); Sample: Methanol Blank; User: N/A



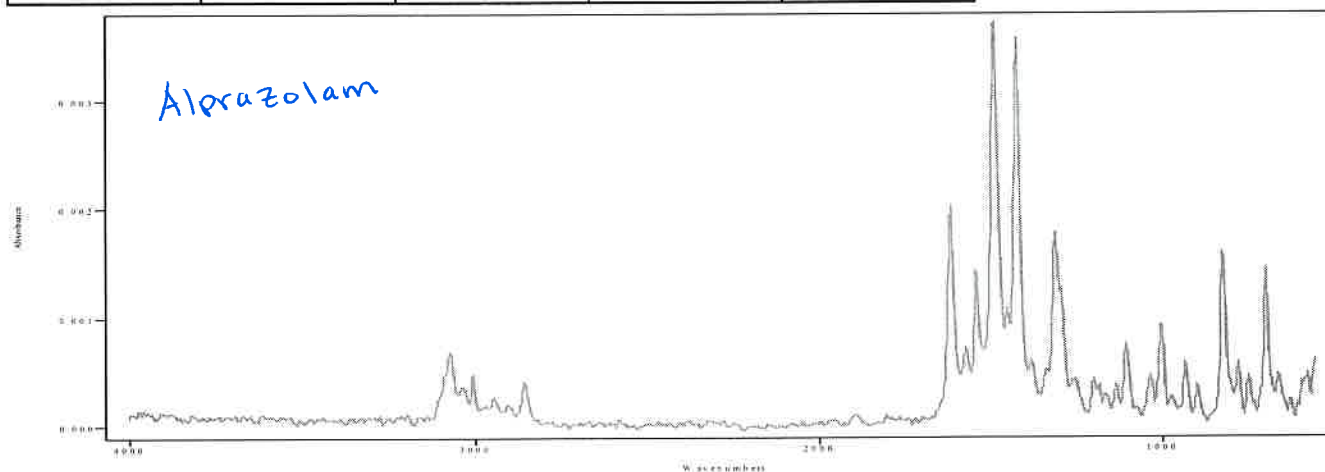
Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

IRD Data Analysis Report

Data Filename	ZJ-072425-ALPRAZOLAM 2024_July_25_130812
Data Path	C:/ASAP DATA/Hagrid 2024/Jul 2024/07-25-24
IRD Method	IRD3 EXT
GC Method	LGDRUG20
GC Vial	3
Sample Name	Alprazolam Std (MeOH)
Misc. Info	MeOH:
User ID	NA <i>Hagrid</i>
Injection Time	Thu Jul 25 13:31:04 2024
Date Processed	Thu Jul 25 14:12:03 2024



Peak Start	Peak End	Peak Width	Reference Start	Reference End
9.363	9.417	0.055	8.377	7.834

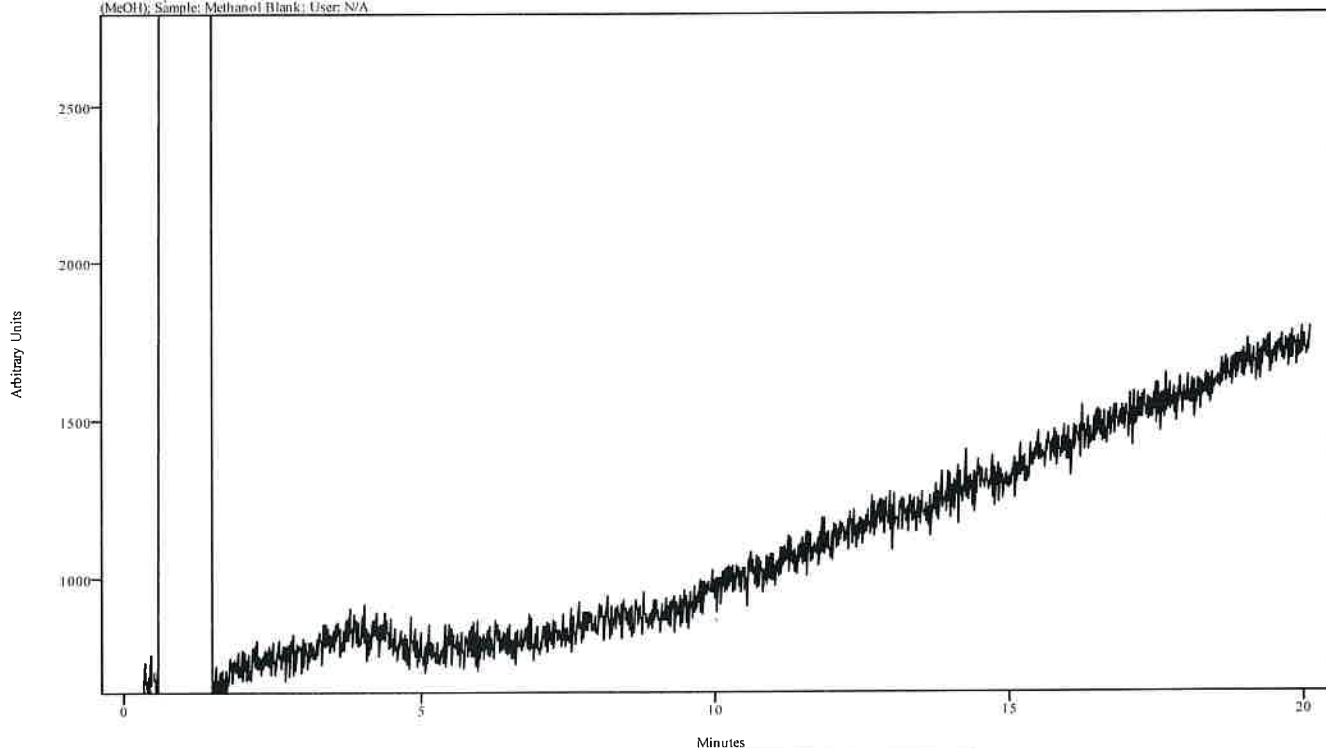


IRDATA.SPC: 9.38 minutes: AVE (9.36: 9.42) Ref. (7.83: 8.38) of ZJ-072425-ALPRAZOLAM 2024_July_25_130812.cgm

IRD Data Analysis Report

Data Filename	ZJ-072524-ALPRAZOLAM-B 2024_July_25_124513
Data Path	C:/ASAP DATA/Hagrid 2024/Jul 2024/07-25-24
IRD Method	IRD3 EXT
GC Method	LGDRUG20
GC Vial	1
Sample Name	Methanol Blank
Misc. Info	MeOH:Alprazolam Std (MeOH)
User ID	N/A <i>Hagrid</i>
Injection Time	Thu Jul 25 13:08:12 2024
Date Processed	Thu Jul 25 14:03:54 2024

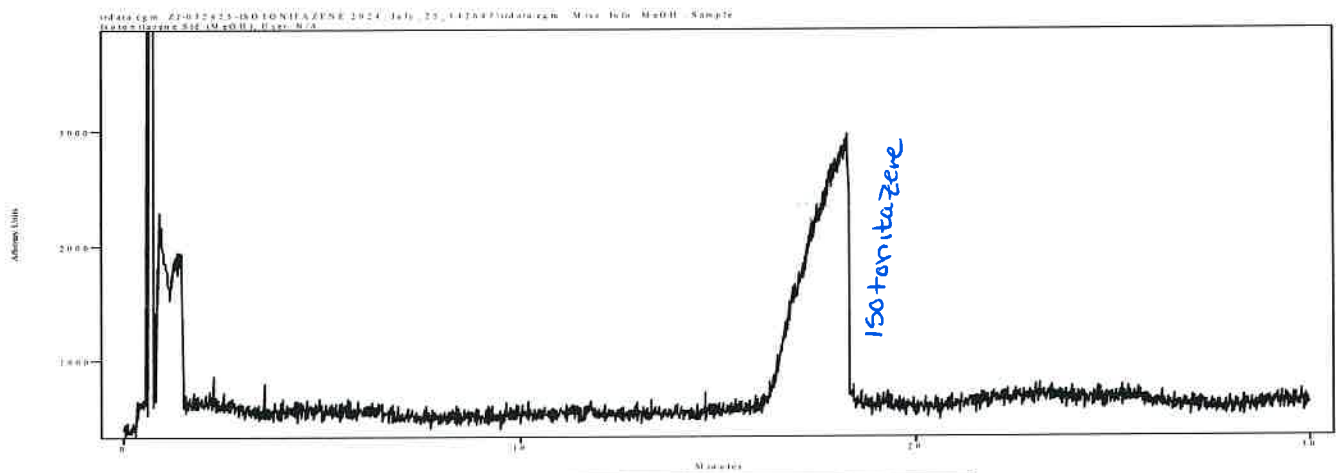
in\data.cgm: ZJ-072524-ALPRAZOLAM-B 2024_July_25_124513\ird\data.cgm : Misc. Info: MeOH:Alprazolam Std (MeOH); Sample: Methanol Blank; User: N/A



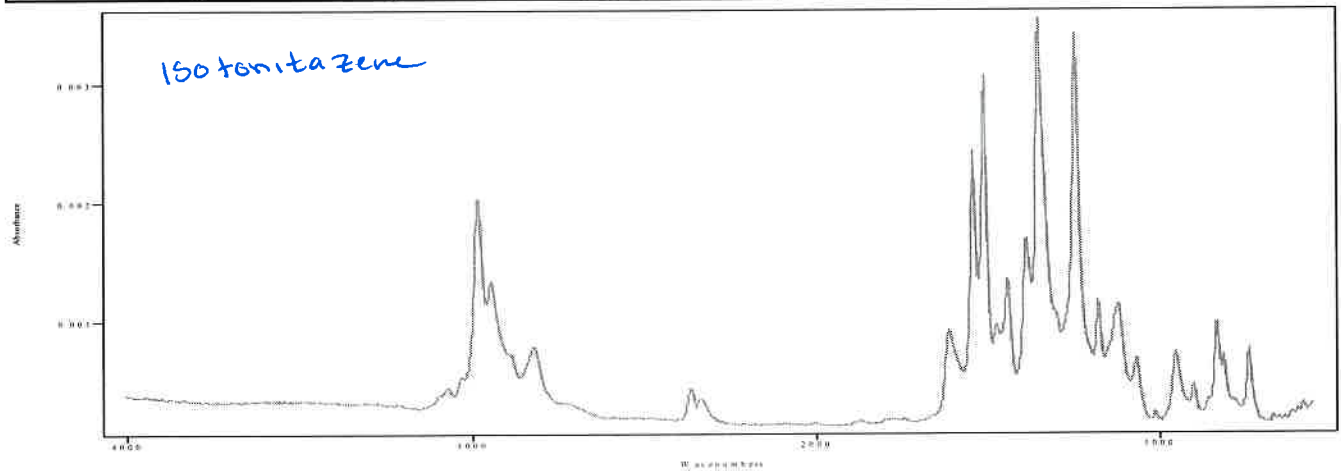
Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

IRD Data Analysis Report

Data Filename	ZJ-072425-ISOTONITAZENE 2024_July_25_142647
Data Path	C:/ASAP DATA/Hagrid 2024/Jul 2024/07-25-24
IRD Method	IRD3 EXT
GC Method	LGDRUG30
GC Vial	9
Sample Name	Isotonitazene Std (MeOH)
Misc. Info	MeOH;
User ID	N/A <i>Hagrid</i>
Injection Time	Thu Jul 25 15:08:07 2024
Date Processed	Thu Jul 25 15:35:04 2024



Peak Start	Peak End	Peak Width	Reference Start	Reference End
16.277	18.443	2.166	13.280	14.691

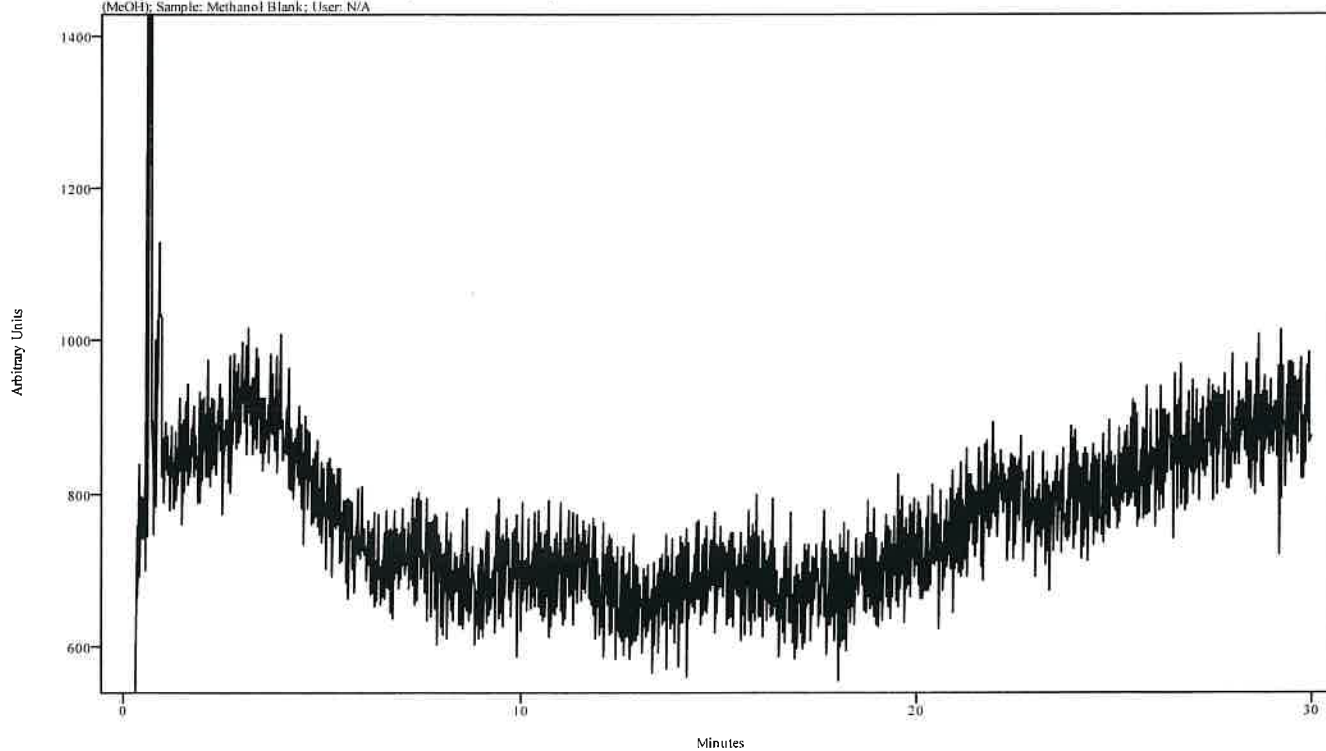


IRDATA.SPC: 17.36 minutes: AVE (16.28: 18.44) Ref. (13.28: 14.69) of ZJ-072425-ISOTONITAZENE 2024_July_25_142647.cgm

IRD Data Analysis Report

Data Filename	ZJ-072524-ISOTONITAZENE-B 2024_July_25_135356
Data Path	C:/ASAP DATA/Hagrid 2024/Jul 2024/07-25-24
IRD Method	IRD3 EXT
GC Method	LGDRUG30
GC Vial	1
Sample Name	Methanol Blank
Misc. Info	MeOH:Isotonitazene Std (MeOH)
User ID	N/A <i>Hagrid</i>
Injection Time	Thu Jul 25 14:26:47 2024
Date Processed	Thu Jul 25 15:35:19 2024

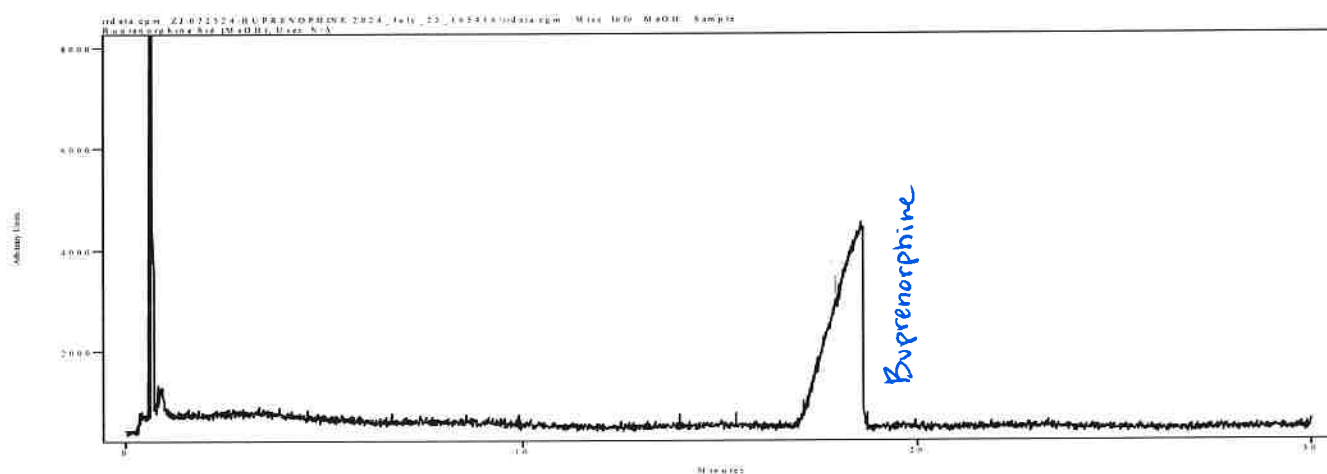
irdata.cgm: ZJ-072524-ISOTONITAZENE-B 2024_July_25_135356\irdata.cgm : Misc. Info: MeOH:Isotonitazene Std (MeOH); Sample: Methanol Blank; User: N/A



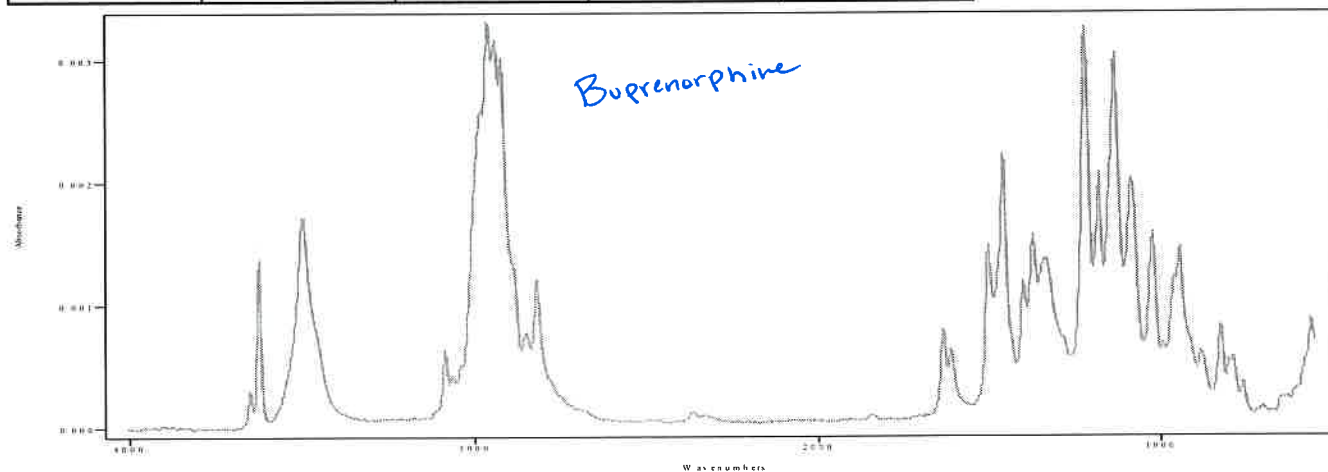
Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

IRD Data Analysis Report

Data Filename	ZJ-072524-BUPRENOPHINE 2024_July_25_165416
Data Path	C:/ASAP DATA/Hagrid 2024/Jul 2024/07-25-24
IRD Method	IRD3 EXT
GC Method	LGDRUG30
GC Vial	5
Sample Name	Buprenorphine Std (MeOH)
Misc. Info	MeOH;
User ID	N/A <i>Hagrid</i>
Injection Time	Thu Jul 25 17:27:12 2024
Date Processed	Fri Jul 26 09:14:01 2024



Peak Start	Peak End	Peak Width	Reference Start	Reference End
17.112	18.733	1.620	13.970	15.383

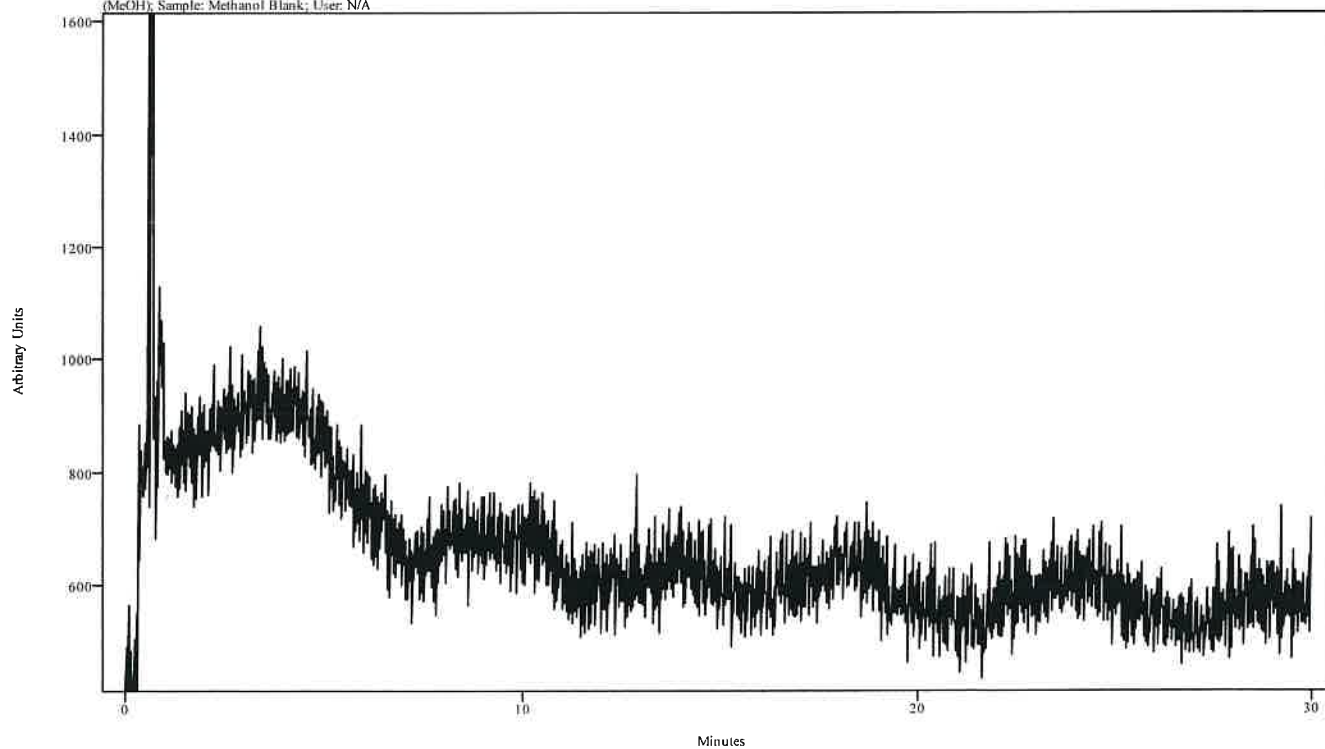


IRDATA.SPC: 17.92 minutes: AVE (17.11: 18.73) Ref. (13.97: 15.38) of ZJ-072524-BUPRENOPHINE 2024_July_25_165416.cgm

IRD Data Analysis Report

Data Filename	ZJ-072524-BUPRENORPHINE-B 2024_July_25_162126
Data Path	C:/ASAP DATA/Hagrid 2024/Jul 2024/07-25-24
IRD Method	IRD3 EXT
GC Method	LGDRUG30
GC Vial	1
Sample Name	Methanol Blank
Misc. Info	MeOH:Buprenorphine Std (MeOH)
User ID	N/A <i>E. Hagrid</i>
Injection Time	Thu Jul 25 16:54:16 2024
Date Processed	Fri Jul 26 09:14:16 2024

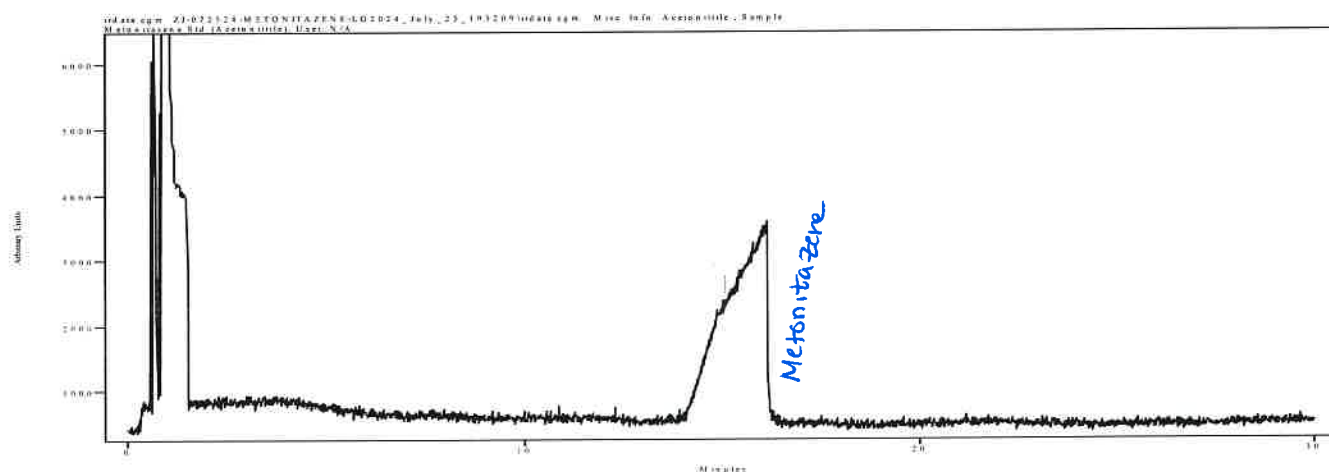
irdata.cgm: ZJ-072524-BUPRENORPHINE-B 2024_July_25_162126irdata.cgm : Misc. Info: MeOH:Buprenorphine Std (MeOH); Sample: Methanol Blank; User: N/A



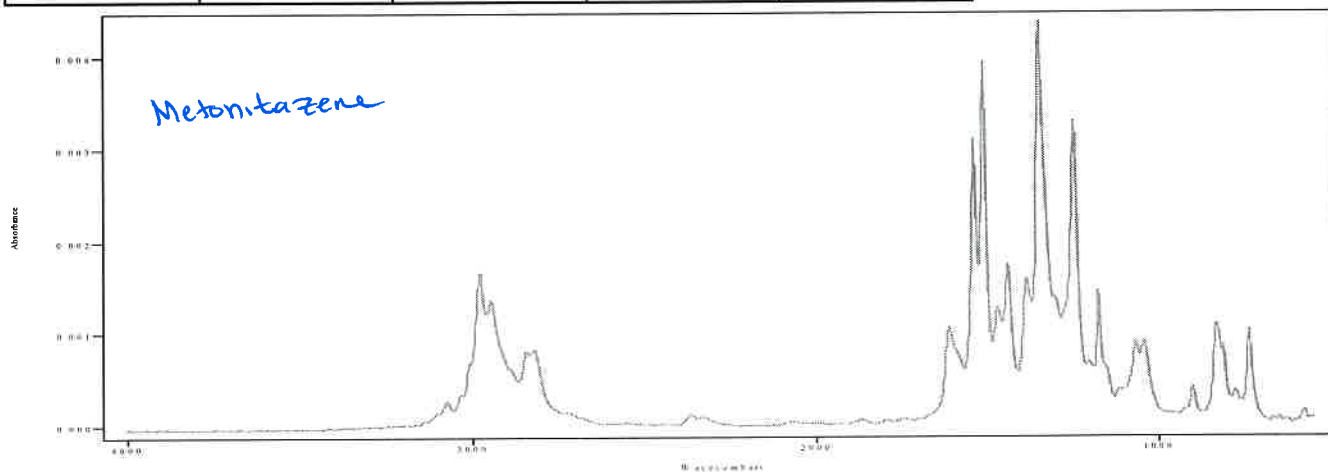
Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

IRD Data Analysis Report

Data Filename	ZJ-072524-METONITAZENE-LG2024_July_25_193209
Data Path	C:/ASAP DATA/Hagrid 2024/Jul 2024/07-25-24
IRD Method	IRD3 EXT
GC Method	LGDRUG30
GC Vial	4
Sample Name	Metonitazene Std (Acetonitrile)
Misc. Info	Acetonitrile:
User ID	N/A <i>Hagrid</i>
Injection Time	Thu Jul 25 20:05:05 2024
Date Processed	Fri Jul 26 09:15:59 2024



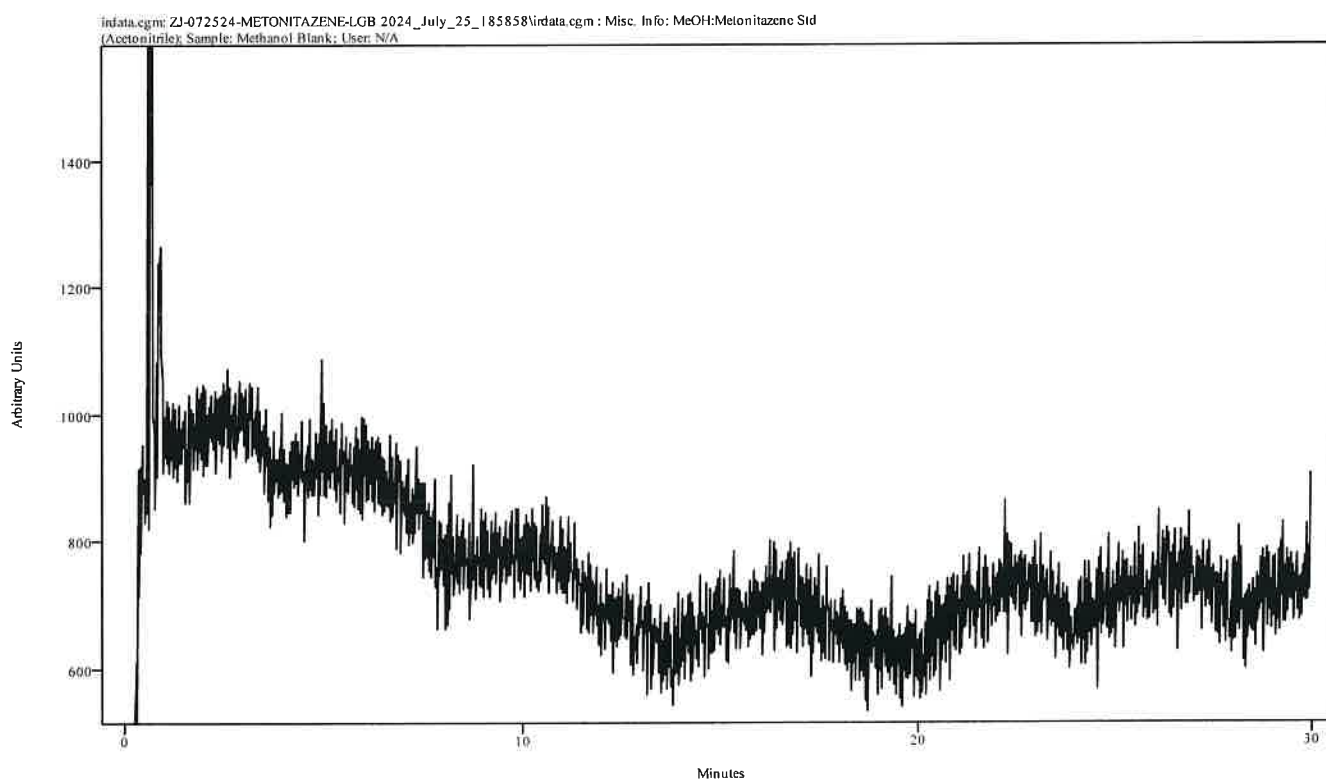
Peak Start	Peak End	Peak Width	Reference Start	Reference End
13.929	16.207	2.278	10.863	12.275



IRDATA.SPC: 15.07 minutes: AVE (13.93: 16.21) Ref. (10.86: 12.28) of ZJ-072524-METONITAZENE-LG2024_July_25_193209.cgm

IRD Data Analysis Report

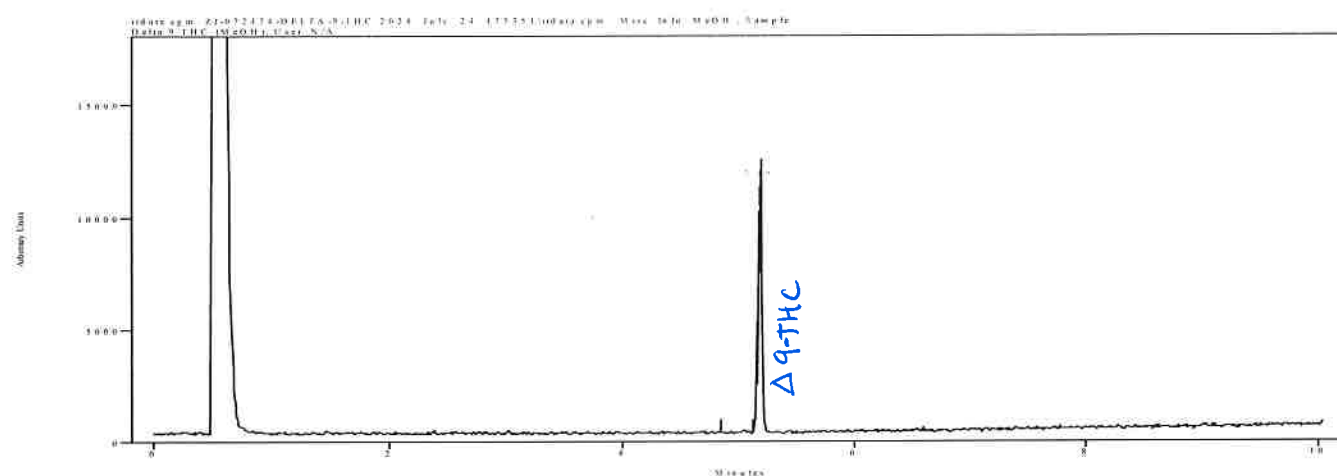
Data Filename	ZJ-072524-METONITAZENE-LGB 2024_July_25_185858
Data Path	C:/ASAP DATA/Hagrid 2024/Jul 2024/07-25-24
IRD Method	IRD3 EXT
GC Method	LGDRUG30
GC Vial	1
Sample Name	Methanol Blank
Misc. Info	MeOH:Metonitazene Std (Acetonitrile)
User ID	N/A <i>Hagrid</i>
Injection Time	Thu Jul 25 19:32:08 2024
Date Processed	Fri Jul 26 09:15:31 2024



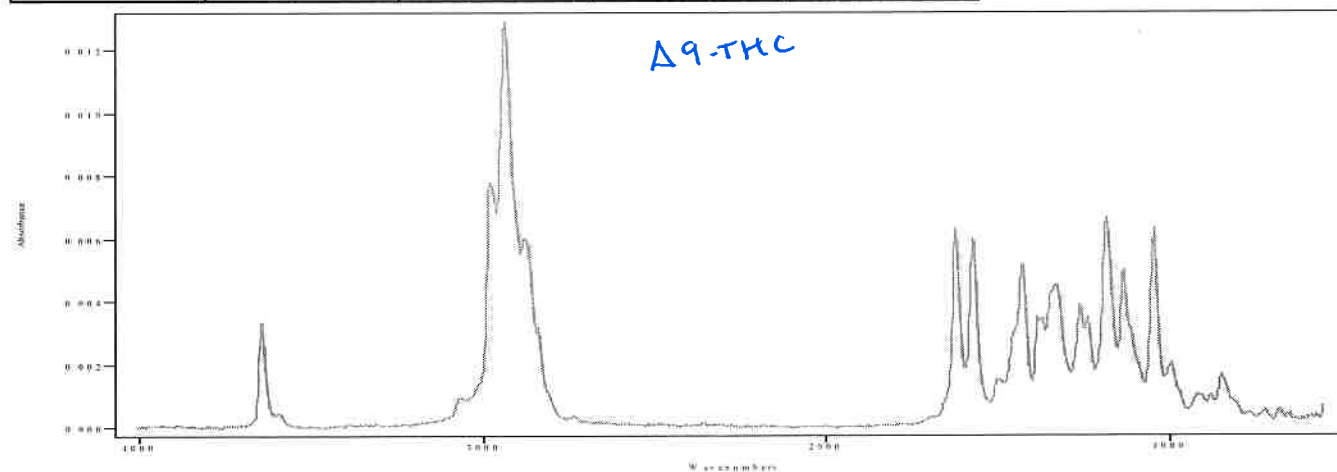
Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

IRD Data Analysis Report

Data Filename	ZJ-072424-DELTA-9-THC 2024_July_24_175351
Data Path	C:/ASAP DATA/Hagrid 2024/Jul 2024/07-24-24
IRD Method	IRD3 EXT
GC Method	SLOWDRUG10
GC Vial	7
Sample Name	Delta 9 THC (MeOH)
Misc. Info	MeOH:
User ID	N/A <i>Hagrid</i>
Injection Time	Wed Jul 24 18:06:41 2024
Date Processed	Thu Jul 25 10:31:34 2024



Peak Start	Peak End	Peak Width	Reference Start	Reference End
5.170	5.224	0.055	4.863	5.126

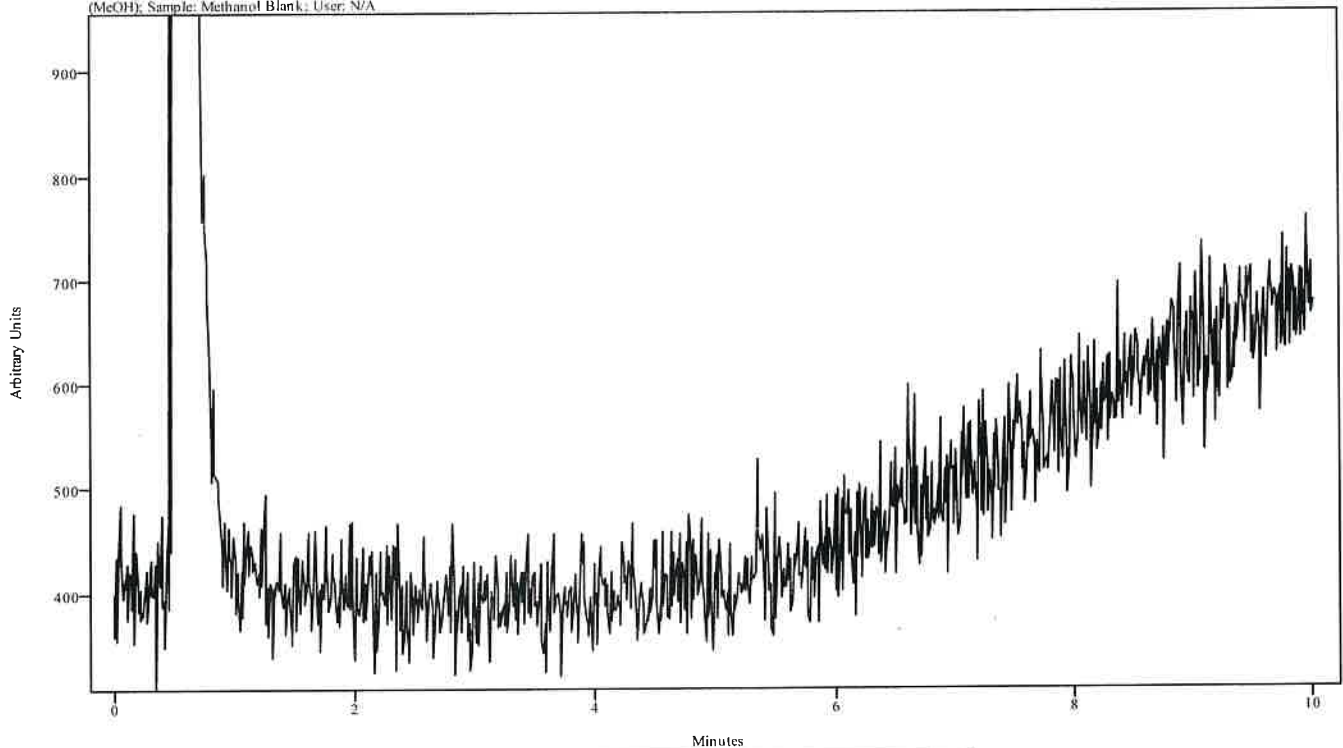


IRDATA.SPC: 5.19 minutes: AVE (5.17: 5.22) Ref. (4.86: 5.13) of ZJ-072424-DELTA-9-THC 2024_July_24_175351.cgm

IRD Data Analysis Report

Data Filename	ZJ-072424-DELTA-9-THC-B 2024_July_24_174100
Data Path	C:/ASAP DATA/Hagrid 2024/Jul 2024/07-24-24
IRD Method	IRD3 EXT
GC Method	SLOWDRUG10
GC Vial	1
Sample Name	Methanol Blank
Misc. Info	MeOH:Delta 9 THC (MeOH)
User ID	N/A <i>Hagrid</i>
Injection Time	Wed Jul 24 17:53:51 2024
Date Processed	Thu Jul 25 10:31:20 2024

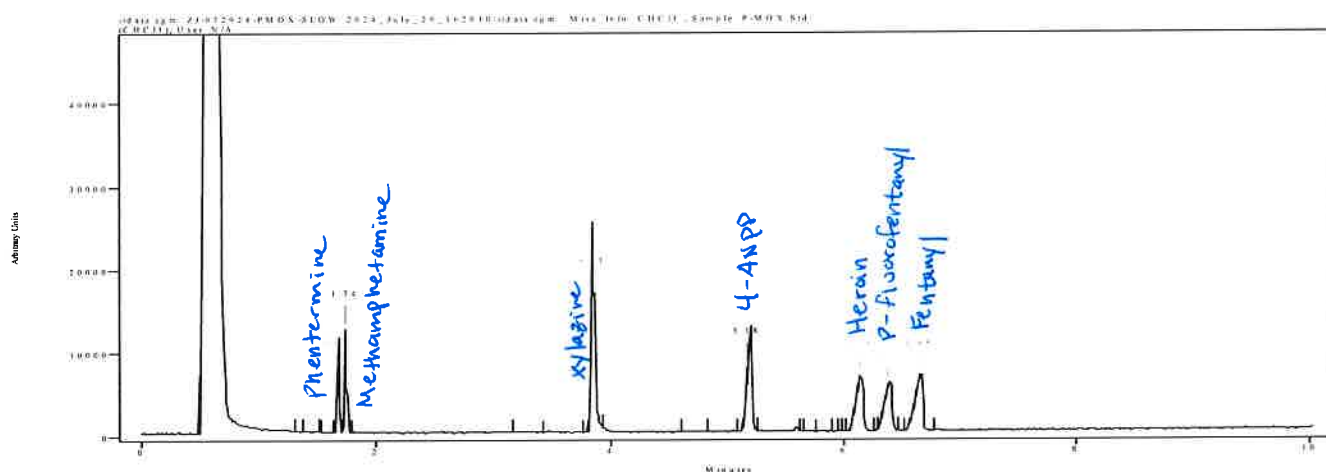
irdata.cgm: ZJ-072424-DELTA-9-THC-B 2024_July_24_174100\irdata.cgm : Misc. Info: MeOH:Delta 9 THC
(MeOH); Sample: Methanol Blank; User: N/A



Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

IRD Data Analysis Report

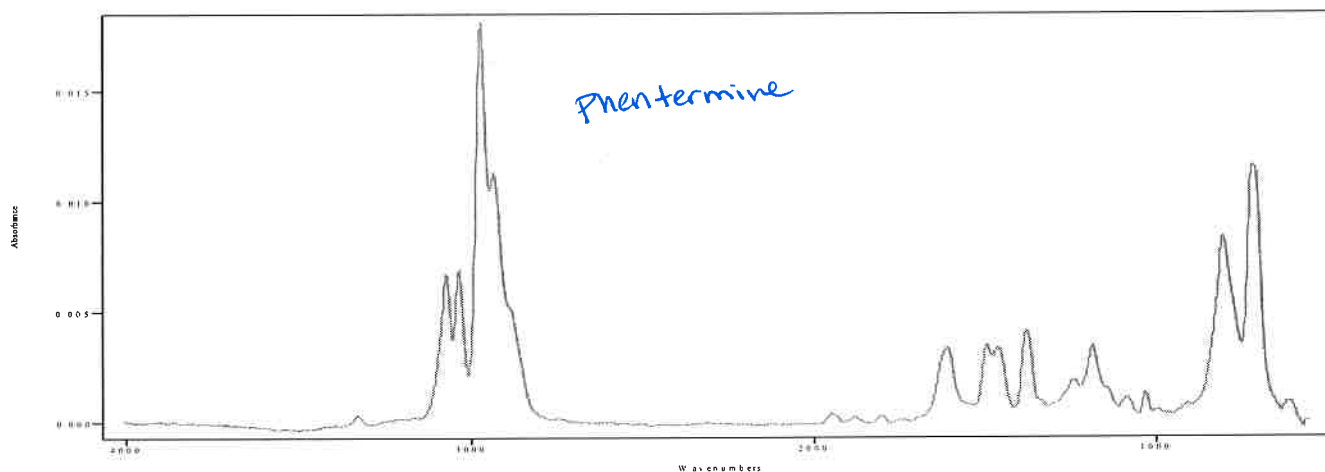
Data Filename	ZJ-072924-PMOX-SLOW 2024_July_29_162030
Data Path	C:/ASAP DATA/Hagrid 2024/Jul 2024/07-29-24
IRD Method	IRD3 EXT
GC Method	SLOWDRUG10
GC Vial	3
Sample Name	P-MOX Std (CHCl3)
Misc. Info	CHCl3:
User ID	N/A <i>Hagrid</i>
Injection Time	Mon Jul 29 16:33:22 2024
Date Processed	Tue Jul 30 09:53:29 2024



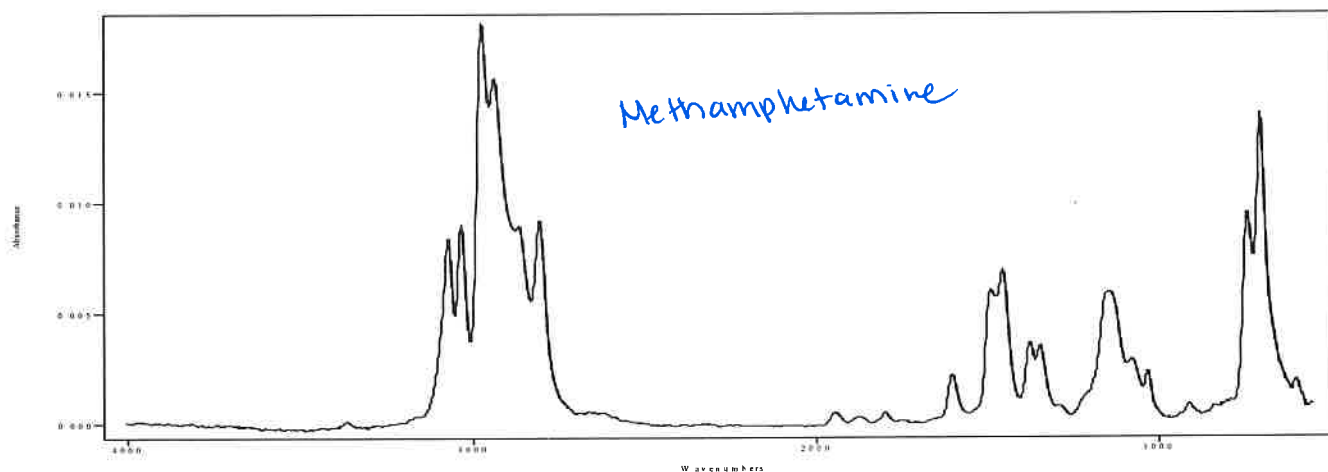
Peak Start	Peak End	Peak Width	Reference Start	Reference End
1.632	1.697	0.066	1.303	1.511
1.708	1.785	0.077	1.380	1.522
3.756	3.932	0.175	3.165	3.417
5.092	5.268	0.175	4.600	4.830
6.023	6.253	0.230	5.761	5.903
6.286	6.461	0.175	5.662	5.990
6.516	6.779	0.263	5.618	5.947

IRD Data Analysis Report

Data Filename	ZJ-072924-PMOX-SLOW 2024_July_29_162030
Data Path	C:/ASAP DATA/Hagrid 2024/Jul 2024/07-29-24
IRD Method	IRD3 EXT
GC Method	SLOWDRUG10
GC Vial	3
Sample Name	P-MOX Std (CHCl3)
Misc. Info	CHCl3:
User ID	N/A <i>Hagrid</i>
Injection Time	Mon Jul 29 16:33:22 2024
Date Processed	Tue Jul 30 09:53:29 2024



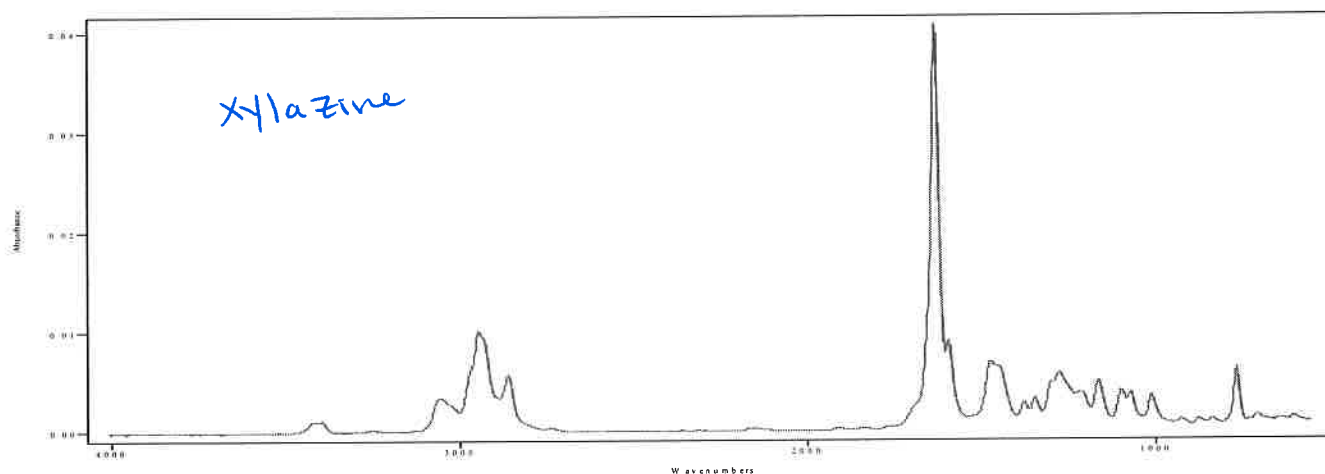
IRDATA.SPC: 1.66 minutes: AVE (1.63: 1.70) Ref. (1.30: 1.51) of ZJ-072924-PMOX-SLOW 2024_July_29_162030.cgm



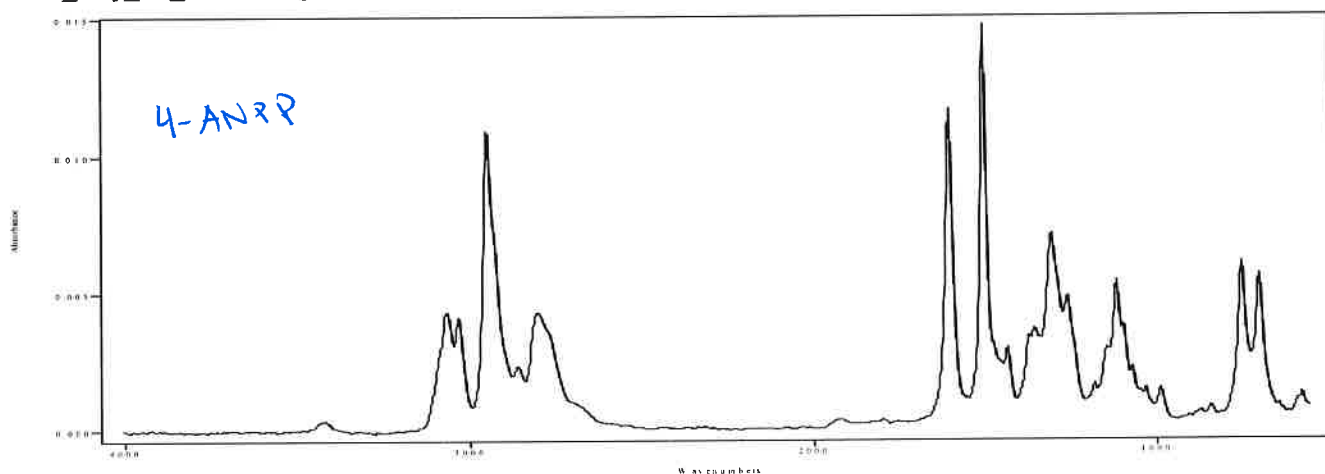
IRDATA.SPC: 1.74 minutes: AVE (1.71: 1.79) Ref. (1.38: 1.52) of ZJ-072924-PMOX-SLOW 2024_July_29_162030.cgm

IRD Data Analysis Report

Data Filename	ZJ-072924-PMOX-SLOW 2024_July_29_162030
Data Path	C:/ASAP DATA/Hagrid 2024/Jul 2024/07-29-24
IRD Method	IRD3 EXT
GC Method	SLOWDRUG10
GC Vial	3
Sample Name	P-MOX Std (CHCl3)
Misc. Info	CHCl3:
User ID	N/A <i>Hagrid</i>
Injection Time	Mon Jul 29 16:33:22 2024
Date Processed	Tue Jul 30 09:53:29 2024



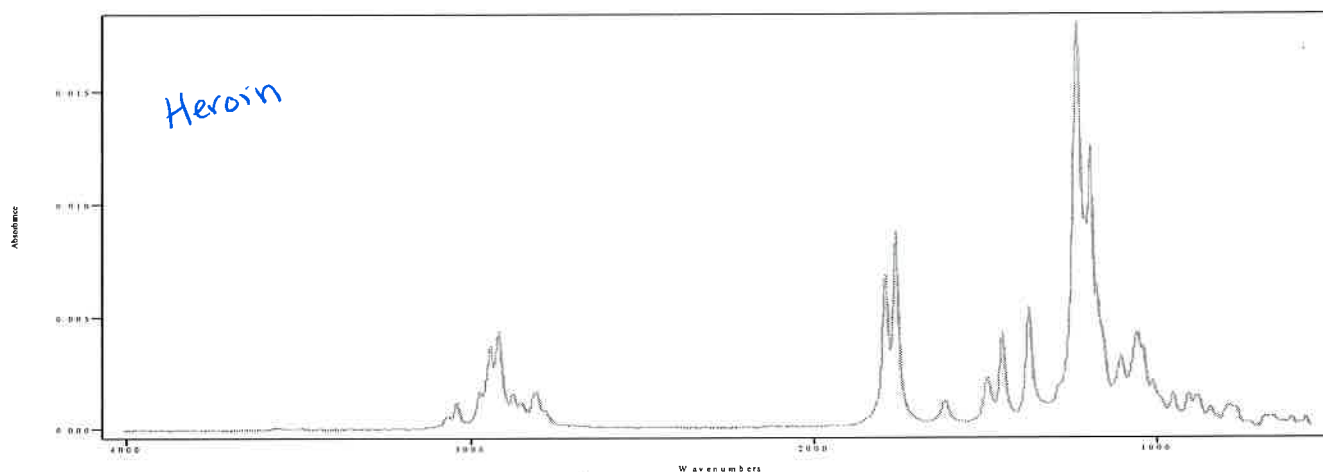
IRDATA.SPC: 3.84 minutes: AVE (3.76: 3.93) Ref. (3.16: 3.42) of ZJ-072924-PMOX-SLOW 2024_July_29_162030.cgm



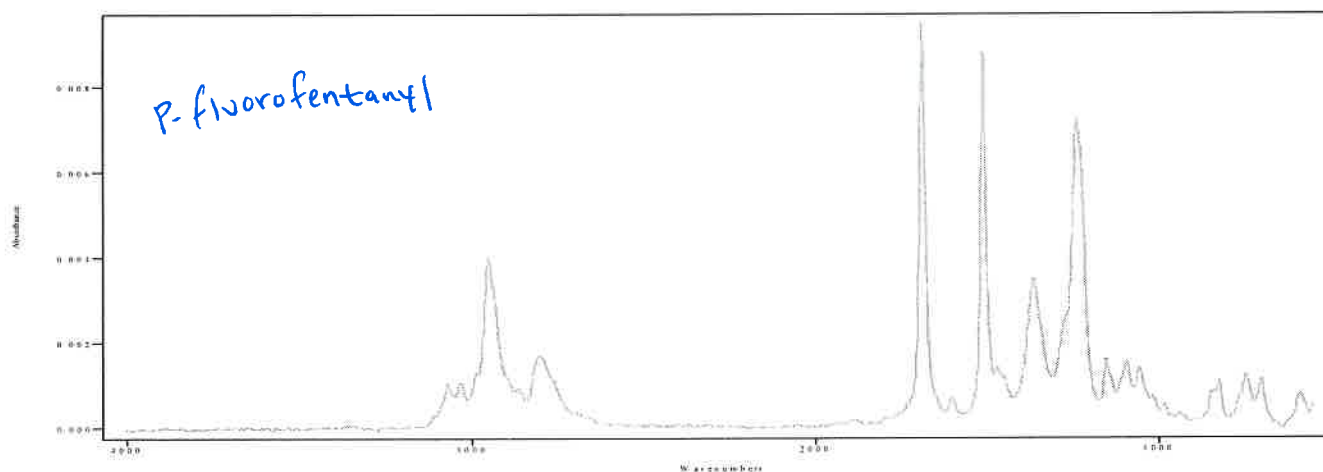
IRDATA.SPC: 5.18 minutes: AVE (5.09: 5.27) Ref. (4.60: 4.83) of ZJ-072924-PMOX-SLOW 2024_July_29_162030.cgm

IRD Data Analysis Report

Data Filename	ZJ-072924-PMOX-SLOW 2024_July_29_162030
Data Path	C:/ASAP DATA/Hagrid 2024/Jul 2024/07-29-24
IRD Method	IRD3 EXT
GC Method	SLOWDRUG10
GC Vial	3
Sample Name	P-MOX Std (CHCl3)
Misc. Info	CHCl3:
User ID	~~N/A~~ Hagrid
Injection Time	Mon Jul 29 16:33:22 2024
Date Processed	Tue Jul 30 09:53:29 2024



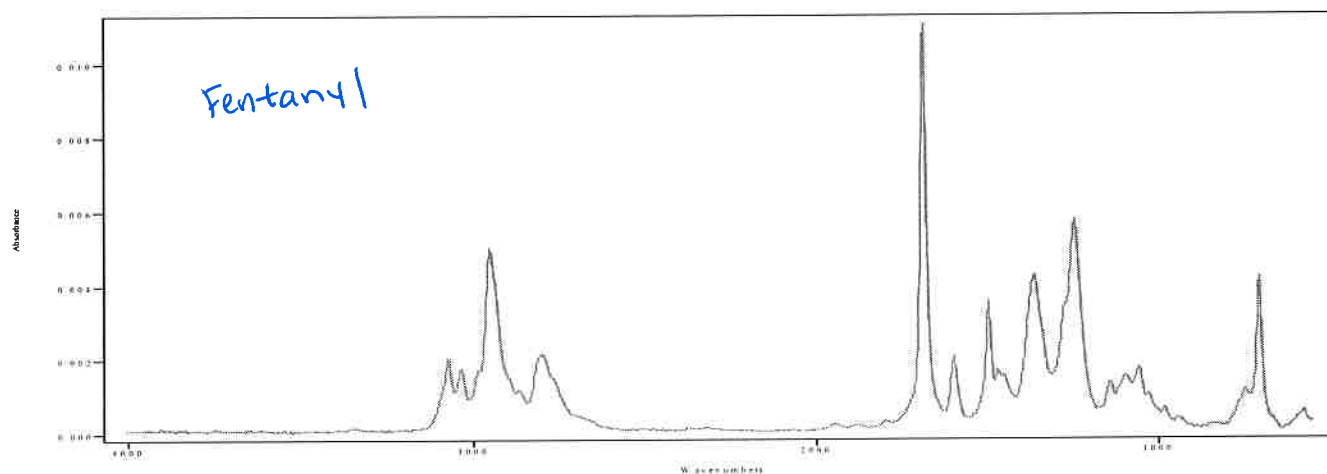
IRDATA.SPC: 6.13 minutes: AVE (6.02: 6.25) Ref. (5.76: 5.90) of ZJ-072924-PMOX-SLOW 2024_July_29_162030.cgm



IRDATA.SPC: 6.37 minutes: AVE (6.29: 6.46) Ref. (5.66: 5.99) of ZJ-072924-PMOX-SLOW 2024_July_29_162030.cgm

IRD Data Analysis Report

Data Filename	ZJ-072924-PMOX-SLOW 2024_July_29_162030
Data Path	C:/ASAP DATA/Hagrid 2024/Jul 2024/07-29-24
IRD Method	IRD3 EXT
GC Method	SLOWDRUG10
GC Vial	3
Sample Name	P-MOX Std (CHCl3)
Misc. Info	CHCl3:
User ID	N/A <i>Hagrid</i>
Injection Time	Mon Jul 29 16:33:22 2024
Date Processed	Tue Jul 30 09:53:29 2024

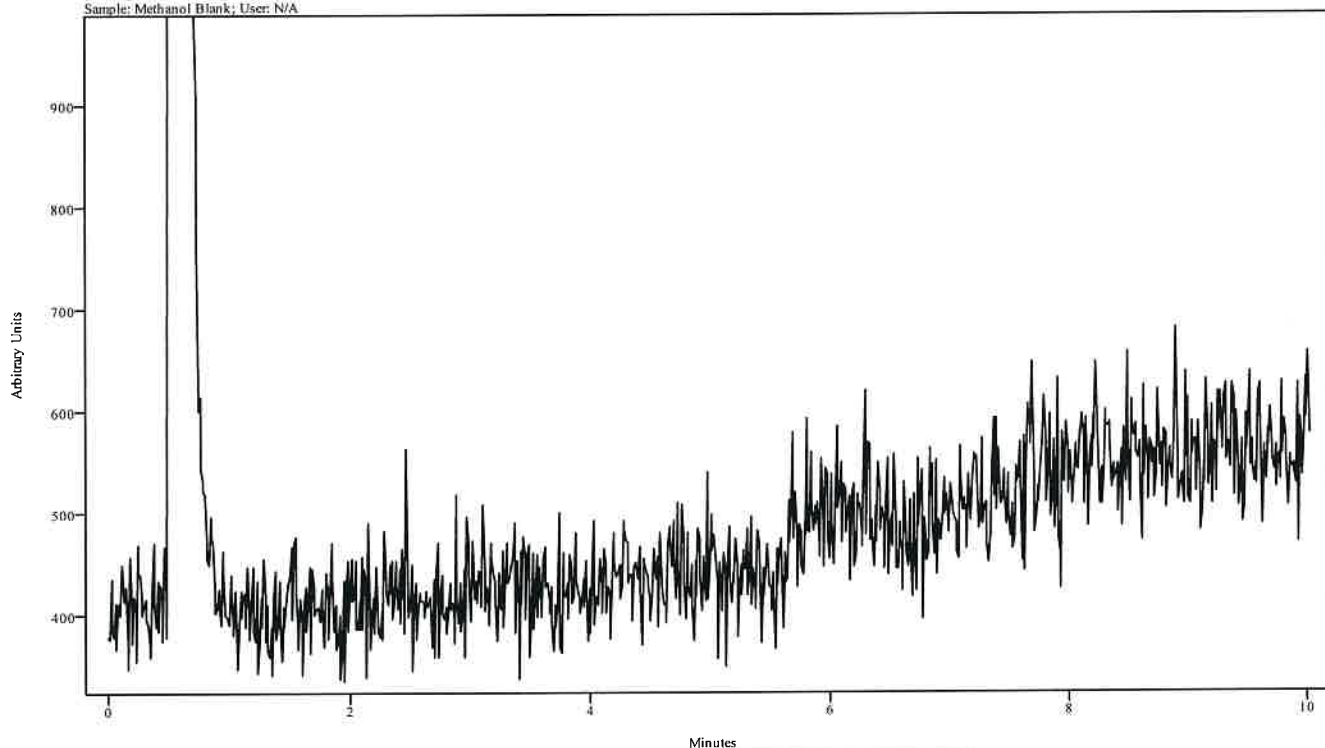


IRDATA.SPC: 6.65 minutes: AVE (6.52: 6.78) Ref. (5.62: 5.95) of ZJ-072924-PMOX-SLOW 2024_July_29_162030.cgm

IRD Data Analysis Report

Data Filename	ZJ-072924-PMOX-SLOWB 2024_July_29_160658
Data Path	C:/ASAP DATA/Hagrid 2024/Jul 2024/07-29-24
IRD Method	IRD3 EXT
GC Method	SLOWDRUG10
GC Vial	1
Sample Name	Methanol Blank
Misc. Info	MeOH:P-MOX Std (CHCl3)
User ID	N/A <i>Hagrid</i>
Injection Time	Mon Jul 29 16:20:30 2024
Date Processed	Tue Jul 30 09:52:47 2024

irdata.cgm: ZJ-072924-PMOX-SLOWB 2024_July_29_160658 irdata.cgm : Misc. Info: MeOH:P-MOX Std (CHCl3);
Sample: Methanol Blank; User: N/A



Peak Start	Peak End	Peak Width	Reference Start	Reference End
------------	----------	------------	-----------------	---------------

Method Information

Method: C:\Users\P...cuments\ChemStation\1\Methods\PTV
Methods\DRUG6.M

Modified: 7/24/2024 at 9:38:14 AM

Hold for 120c for 1 min, ramp @ 70c/min to 270c. Inlet 250c. Run
time 6 minutes.

Method Audit Trail

Operator : SYSTEM

Date : 7/24/2024 9:38:13 AM

Change Info: This method was created at 7/24/2024 9:38:13 AM and based on
method 'C:\Users\Public\Documents\ChemStation\1\Methods\PTV
Methods\DRUGS6.M'

Operator : SYSTEM

Date : 7/24/2024 9:38:14 AM

Change Info: Method saved. User comment: ""

Run Time Checklist

Pre-Run Cmd/Macro: off

Data Acquisition: on

Standard Data Analysis: on

Modify Custom Fields: off

Customized Data Analysis: off

Save GLP Data: off

Post-Run Cmd/Macro: off

Save Method with Data: off

Injection Source and Location

Injection Source: GC Injector

Injection Location: Front

Module Type: GC
Module Name: Agilent 8890
GC

GC Summary

Run Time 6.0029 min
Post Run Time 0 min

Oven

Temperature
Setpoint On
(Initial) 120 °C
Hold Time 1 min
Post Run 270 °C
Program
#1 Rate 70 °C/min
#1 Value 270 °C
#1 Hold Time 2.86 min

Equilibration Time 0 min
Max Temperature 325 °C
Maximum Temperature Override Disabled
Slow Fan Disabled

ALS

Front Injector
Syringe Size 50 µL
Injection Volume 1 µL
Solvent A Washes (PreInj) 3
Solvent A Washes (PostInj) 2
Solvent A Volume 15 µL
Solvent B Washes (PreInj) 3
Solvent B Washes (PostInj) 2
Solvent B Volume 15 µL
Sample Washes 1
Sample Wash Volume 5 µL
Sample Pumps 4
Dwell Time (PreInj) 0 min
Dwell Time (PostInj) 0 min
Solvent Wash Draw Speed 1500 µL/min
Solvent Wash Dispense Speed 15000 µL/min
Sample Wash Draw Speed 1500 µL/min
Sample Wash Dispense Speed 15000 µL/min
Injection Dispense Speed 30000 µL/min
Viscosity Delay 0 sec
Sample Depth Disabled
Injection Type Standard
L1 Airgap 1 µL
Solvent Wash Mode A, B

Sample Overlap
Mode

Sample overlap is not enabled

Front PTV Inlet He

Front PTV Inlet He Temperature
Setpoint
(Initial)
Hold Time
Program
#1 Rate
#1 Value
#1 Hold Time

On
250 °C
0.2 min

70 °C/min
250 °C
0 min

Excluded from Readiness
Readiness State***

***Excluded from Affecting GC's

Mode
Pressure
Total Flow
Septum Purge Flow
Pre-Run Flow Test
Gas Saver
Split Ratio
Split Flow
Liner

Split
On 17.01 psi
On 12 mL/min
On 3 mL/min
On
On 15 mL/min after 2 min
2 :1
6 mL/min
A Liner has not been selected.

Back SS Inlet He
Mode
Heater
Pressure
Total Flow
Septum Purge Flow
Pre-Run Flow Test
Liner

Split
Off
Off
Off
Off
Off
A Liner has not been selected.

Column
Column #1
Flow
Setpoint
(Initial)
Post Run

On
3 mL/min
2 mL/min

Temperature Range
Dimensions
(Uncalibrated)
Column lock
In
Out
(Initial)
Pressure
Flow
Average Velocity
Holdup Time
Control Mode

-60 °C-325 °C (325 °C)
30 m x 320 µm x 1 µm

Locked
Front PTV Inlet He
Other
120 °C
17.01 psi
3 mL/min
50.328 cm/sec
0.99348 min
Constant Flow

Column Outlet Pressure

0 psi

Detector Evaluation
Perform Detector Evaluation Test
Signal Selected
Plot {50 Hz}

Off
Signal #1: Diagnostics: Test

Checkout Sample	None
Signals	
Signal #1: Test Plot	
Description	Test Plot
Save	On
Data Rate	50 Hz
Dual Injection Assignment	Front Sample
Signal #2:	
Description	None
Signal #3:	
Description	None
Signal #4:	
Description	None
Signal #5:	
Description	None
Signal #6:	
Description	None
Signal #7:	
Description	None
Signal #8:	
Description	None

The Data Analysis Parameters of the used Method are :

Integration Events

Non signal specific Integration Events

Event	Value
Tangent Skim Mode	New Exponential
Tail Peak Skim Height Ratio	5.000
Front Peak Skim Height Ratio	5.000

Skim Valley Ratio	20.000
Baseline Correction	Advanced
Peak to Valley Ratio	500.000

Default Integration Event Table "Event"

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_ADC"

Event	Value	Time
Initial Slope Sensitivity	20.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_FID"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_TCD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_ECD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_NPD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_FPD"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_uECD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_GC"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Apply Method's Manual Integration Events: No

Specify Report

Calculate: Area Percent
 Use Multiplier & Dilution Factor with ISTDs

Use Sample Data from Data File

Report mode: Classic
 Destination: Screen
 Quantitative Results sorted by: Signal
 Report Style: Short
 Sample info on each page: No
 Add Chromatogram Output: Yes
 Chromatogram Output: Portrait
 Size in Time direction: 100 % of Page
 Size in Response direction: 40 % of Page
 Uncalibrated Peaks: Report with Calibrated Peaks

Signal Options

Include: Axes, Retention Times, Baselines, Tick Marks
 Font: Arial, Size: 8

Ranges: Full
 Multi Chromatograms: Separated, Each in full Scale

Calibration Table

General Calibration Setting

Calib. Data Modified :
Signals calculated separately : No

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.000 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.000 min
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

Signal Details

Overview Table

No Entries in table

Identification Details Table

No Entries in table

Peak Sum Table

No Entries in table

Component Details Table

No Entries in table

Sample related custom fields

Custom Field	Type	Mand.	Default Value
None defined			

Compound related custom fields

Custom Field	Type	Mand.	Default Value
None defined			

Method Information

Method: C:\Users\P...uments\ChemStation\1\Methods\PTV
Methods\DRUG10.M

Modified: 7/24/2024 at 9:53:37 AM

Hold for 120c for 1 min, ramp @ 70c/min to 270c. Inlet 250c. Run for
10 minutes.

Method Audit Trail

Operator : SYSTEM

Date : 7/24/2024 9:53:36 AM

Change Info: This method was created at 7/24/2024 9:53:36 AM and based on
method 'C:\Users\Public\Documents\ChemStation\1\Methods\PTV
Methods\DRUGS10.M'

Operator : SYSTEM

Date : 7/24/2024 9:53:37 AM

Change Info: Method saved. User comment: ""

Run Time Checklist

Pre-Run Cmd/Macro: off

Data Acquisition: on

Standard Data Analysis: on

Modify Custom Fields: off

Customized Data Analysis: off

Save GLP Data: off

Post-Run Cmd/Macro: off

Save Method with Data: off

Injection Source and Location

Injection Source: GC Injector

Injection Location: Front

=====
Module Type: GC
Module Name: Agilent 8890
GC

GC Summary

Run Time 10.003 min
Post Run Time 0 min

Oven

Temperature
Setpoint On
(Initial) 120 °C
Hold Time 1 min
Post Run 270 °C
Program
#1 Rate 70 °C/min
#1 Value 270 °C
#1 Hold Time 6.86 min

Equilibration Time 0 min
Max Temperature 325 °C
Maximum Temperature Override Disabled
Slow Fan Disabled

ALS

Front Injector
Syringe Size 50 µL
Injection Volume 1 µL
Solvent A Washes (PreInj) 3
Solvent A Washes (PostInj) 2
Solvent A Volume 15 µL
Solvent B Washes (PreInj) 3
Solvent B Washes (PostInj) 2
Solvent B Volume 15 µL
Sample Washes 1
Sample Wash Volume 5 µL
Sample Pumps 4
Dwell Time (PreInj) 0 min
Dwell Time (PostInj) 0 min
Solvent Wash Draw Speed 1500 µL/min
Solvent Wash Dispense Speed 15000 µL/min
Sample Wash Draw Speed 1500 µL/min
Sample Wash Dispense Speed 15000 µL/min
Injection Dispense Speed 30000 µL/min
Viscosity Delay 0 sec
Sample Depth Disabled
Injection Type Standard
L1 Airgap 1 µL
Solvent Wash Mode A, B

Sample Overlap
Mode

Sample overlap is not enabled

Front PTV Inlet He

Front PTV Inlet He Temperature
Setpoint
(Initial)
Hold Time
Program
#1 Rate
#1 Value
#1 Hold Time

On
250 °C
0.2 min

720 °C/min
250 °C
0 min

Excluded from Readiness
Readiness State***

***Excluded from Affecting GC's

Mode
Pressure
Total Flow
Septum Purge Flow
Pre-Run Flow Test
Gas Saver
Split Ratio
Split Flow
Liner

Split
On 17.01 psi
On 12 mL/min
On 3 mL/min
On
On 20 mL/min after 2 min
2 :1
6 mL/min
A Liner has not been selected.

Back SS Inlet He
Mode
Heater
Pressure
Total Flow
Septum Purge Flow
Pre-Run Flow Test
Liner

Split
Off
Off
Off
Off
Off
A Liner has not been selected.

Column
Column #1
Flow
Setpoint
(Initial)
Post Run

On
3 mL/min
2 mL/min

Temperature Range
Dimensions
(Uncalibrated)
Column lock
In
Out
(Initial)
Pressure
Flow
Average Velocity
Holdup Time
Control Mode

-60 °C-325 °C (325 °C)
30 m x 320 µm x 1 µm

Locked
Front PTV Inlet He
Other
120 °C
17.01 psi
3 mL/min
50.328 cm/sec
0.99348 min
Constant Flow

Column Outlet Pressure

0 psi

Detector Evaluation
Perform Detector Evaluation Test
Signal Selected
Plot {50 Hz}

Off
Signal #1: Diagnostics: Test

Checkout Sample	None
Signals	
Signal #1: Test Plot	
Description	Test Plot
Save	On
Data Rate	50 Hz
Dual Injection Assignment	Front Sample
Signal #2:	
Description	None
Signal #3:	
Description	None
Signal #4:	
Description	None
Signal #5:	
Description	None
Signal #6:	
Description	None
Signal #7:	
Description	None
Signal #8:	
Description	None

The Data Analysis Parameters of the used Method are :

Integration Events

Non signal specific Integration Events

Event	Value
Tangent Skim Mode	New Exponential
Tail Peak Skim Height Ratio	5.000
Front Peak Skim Height Ratio	5.000

Skim Valley Ratio	20.000
Baseline Correction	Advanced
Peak to Valley Ratio	500.000

Default Integration Event Table "Event"

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_ADC"

Event	Value	Time
Initial Slope Sensitivity	20.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_FID"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_TCD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_ECD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_NPD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_FPD"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_uECD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

 Detector Default Integration Event Table "Event_GC"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Apply Method's Manual Integration Events: No

=====
 Specify Report
 =====

Calculate: Area Percent
 Use Multiplier & Dilution Factor with ISTDs

Use Sample Data from Data File

Report mode: Classic
 Destination: Screen
 Quantitative Results sorted by: Signal
 Report Style: Short
 Sample info on each page: No
 Add Chromatogram Output: Yes
 Chromatogram Output: Portrait
 Size in Time direction: 100 % of Page
 Size in Response direction: 40 % of Page
 Uncalibrated Peaks: Report with Calibrated Peaks

=====
 Signal Options
 =====

Include: Axes, Retention Times, Baselines, Tick Marks
 Font: Arial, Size: 8

Ranges: Full
 Multi Chromatograms: Separated, Each in full Scale

=====
 Calibration Table
 =====

 General Calibration Setting

Calib. Data Modified :
Signals calculated separately : No

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.000 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.000 min
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

Signal Details

Overview Table

No Entries in table

Identification Details Table

No Entries in table

Peak Sum Table

No Entries in table

Component Details Table

No Entries in table

=====

Sample related custom fields

=====

Custom Field	Type	Mand.	Default Value
--------------	------	-------	---------------

None defined

=====

Compound related custom fields

=====

Custom Field	Type	Mand.	Default Value
--------------	------	-------	---------------

None defined

Method Information

Method: C:\Users\P...uments\ChemStation\1\Methods\PTV
Methods\DRUG14.M

Modified: 7/24/2024 at 9:59:12 AM

Starts 120 @ 70c/min --> 270. 14 minutes. PTV inlet 250c.

Method Audit Trail

Operator : SYSTEM

Date : 7/24/2024 9:59:11 AM

Change Info: This method was created at 7/24/2024 9:59:11 AM and based on
method 'C:\Users\Public\Documents\ChemStation\1\Methods\PTV
Methods\DRUGS14.M'

Operator : SYSTEM

Date : 7/24/2024 9:59:12 AM

Change Info: Method saved. User comment: ""

Run Time Checklist

Pre-Run Cmd/Macro: off

Data Acquisition: on

Standard Data Analysis: on

Modify Custom Fields: off

Customized Data Analysis: off

Save GLP Data: off

Post-Run Cmd/Macro: off

Save Method with Data: off

Injection Source and Location

Injection Source: GC Injector

Injection Location: Front

=====

Agilent 8890

=====

Module Type: GC
Module Name: Agilent 8890
GC

GC Summary

Run Time 14.003 min
Post Run Time 0 min

Oven

Temperature
Setpoint On
(Initial) 120 °C
Hold Time 1 min
Post Run 270 °C
Program
#1 Rate 70 °C/min
#1 Value 270 °C
#1 Hold Time 10.86 min

Equilibration Time 0 min
Max Temperature 325 °C
Maximum Temperature Override Disabled
Slow Fan Disabled

ALS

Front Injector
Syringe Size 50 µL
Injection Volume 1 µL
Solvent A Washes (PreInj) 3
Solvent A Washes (PostInj) 2
Solvent A Volume 15 µL
Solvent B Washes (PreInj) 3
Solvent B Washes (PostInj) 2
Solvent B Volume 15 µL
Sample Washes 1
Sample Wash Volume 5 µL
Sample Pumps 4
Dwell Time (PreInj) 0 min
Dwell Time (PostInj) 0 min
Solvent Wash Draw Speed 1500 µL/min
Solvent Wash Dispense Speed 15000 µL/min
Sample Wash Draw Speed 1500 µL/min
Sample Wash Dispense Speed 15000 µL/min
Injection Dispense Speed 30000 µL/min
Viscosity Delay 0 sec
Sample Depth Disabled
Injection Type Standard
L1 Airgap 1 µL
Solvent Wash Mode A, B

Sample Overlap
Mode

Sample overlap is not enabled

Front PTV Inlet He
Front PTV Inlet He Temperature

Setpoint
(Initial)
Hold Time
Program
#1 Rate
#1 Value
#1 Hold Time

On
250 °C
0.2 min
720 °C/min
250 °C
0 min

Excluded from Readiness
Readiness State***

***Excluded from Affecting GC's

Mode
Pressure
Total Flow
Septum Purge Flow
Pre-Run Flow Test
Gas Saver
Split Ratio
Split Flow
Liner

Split
On 17.01 psi
On 12 mL/min
On 3 mL/min
On
On 20 mL/min after 2 min
2 :1
6 mL/min
A Liner has not been selected.

Back SS Inlet He
Mode
Heater
Pressure
Total Flow
Septum Purge Flow
Pre-Run Flow Test
Liner

Split
Off
Off
Off
Off
Off
A Liner has not been selected.

Column
Column #1
Flow
Setpoint
(Initial)
Post Run

On
3 mL/min
2 mL/min

Temperature Range
Dimensions
(Uncalibrated)
Column lock
In
Out
(Initial)
Pressure
Flow
Average Velocity
Holdup Time
Control Mode

-60 °C-325 °C (325 °C)
30 m x 320 µm x 1 µm
Locked
Front PTV Inlet He
Other
120 °C
17.01 psi
3 mL/min
50.328 cm/sec
0.99348 min
Constant Flow

Column Outlet Pressure

0 psi

Detector Evaluation
Perform Detector Evaluation Test
Signal Selected
Plot {50 Hz}
Checkout Sample

Off
Signal #1: Diagnostics: Test
None

Signals	
Signal #1: Test Plot	
Description	Test Plot
Save	On
Data Rate	50 Hz
Dual Injection Assignment	Front Sample
Signal #2:	
Description	None
Signal #3:	
Description	None
Signal #4:	
Description	None
Signal #5:	
Description	None
Signal #6:	
Description	None
Signal #7:	
Description	None
Signal #8:	
Description	None

The Data Analysis Parameters of the used Method are :

Integration Events

Non signal specific Integration Events

Event	Value
Tangent Skim Mode	New Exponential
Tail Peak Skim Height Ratio	5.000
Front Peak Skim Height Ratio	5.000
Skim Valley Ratio	20.000

Baseline Correction
Peak to Valley Ratio

Advanced
500.000

Default Integration Event Table "Event"

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_ADC"

Event	Value	Time
Initial Slope Sensitivity	20.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_FID"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_TCD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_ECD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_NPD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_FPD"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_uECD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_GC"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Apply Method's Manual Integration Events: No

Specify Report

Calculate: Area Percent
 Use Multiplier & Dilution Factor with ISTDs

Use Sample Data from Data File

Report mode: Classic
 Destination: Screen
 Quantitative Results sorted by: Signal
 Report Style: Short
 Sample info on each page: No
 Add Chromatogram Output: Yes
 Chromatogram Output: Portrait
 Size in Time direction: 100 % of Page
 Size in Response direction: 40 % of Page
 Uncalibrated Peaks: Report with Calibrated Peaks

Signal Options

Include: Axes, Retention Times, Baselines, Tick Marks
 Font: Arial, Size: 8

Ranges: Full
 Multi Chromatograms: Separated, Each in full Scale

Calibration Table

General Calibration Setting

Calib. Data Modified :
Signals calculated separately : No

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.000 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.000 min
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

Signal Details

Overview Table

No Entries in table

Identification Details Table

No Entries in table

Peak Sum Table

No Entries in table

Component Details Table

No Entries in table

Sample related custom fields

Custom Field	Type	Mand.	Default Value
--------------	------	-------	---------------

None defined

Compound related custom fields

Custom Field	Type	Mand.	Default Value
--------------	------	-------	---------------

None defined

Method Information

Method: C:\Users\P...uments\ChemStation\1\Methods\PTV
Methods\DRUG20.M

Modified: 7/24/2024 at 10:45:30 AM

120c for 1 min, ramp @ 70c/min to 270c. Inlet 250c. Run time 20
minutes

Method Audit Trail

Operator : SYSTEM

Date : 7/24/2024 10:45:09 AM

Change Info: This method was created at 7/24/2024 10:45:09 AM and based on
method 'C:\Users\Public\Documents\ChemStation\1\Methods\PTV
Methods\DRUGS20.M'

Operator : SYSTEM

Date : 7/24/2024 10:45:10 AM

Change Info: Method saved. User comment: ""

Operator : SYSTEM

Date : 7/24/2024 10:45:30 AM

Change Info: Method saved. User comment: ""

Run Time Checklist

Pre-Run Cmd/Macro: off

Data Acquisition: on

Standard Data Analysis: on

Modify Custom Fields: off

Customized Data Analysis: off

Save GLP Data: off

Post-Run Cmd/Macro: off

Save Method with Data: off

Injection Source and Location

Injection Source: GC Injector

Injection Location: Front

=====

Agilent 8890

=====

Module Type: GC

Module Name: Agilent 8890

GC

GC Summary

Run Time 20.003 min

Post Run Time 0 min

Oven

Temperature

Setpoint On

(Initial) 120 °C

Hold Time 1 min

Post Run 270 °C

Program

#1 Rate 70 °C/min

#1 Value 270 °C

#1 Hold Time 16.86 min

Equilibration Time 0 min

Max Temperature 325 °C

Maximum Temperature Override Disabled

Slow Fan Disabled

ALS

Front Injector

Syringe Size 50 µL

Injection Volume 1 µL

Solvent A Washes (PreInj) 3

Solvent A Washes (PostInj) 2

Solvent A Volume 15 µL

Solvent B Washes (PreInj) 3

Solvent B Washes (PostInj) 2

Solvent B Volume 15 µL

Sample Washes 1

Sample Wash Volume 5 µL

Sample Pumps 4

Dwell Time (PreInj) 0 min

Dwell Time (PostInj) 0 min

Solvent Wash Draw Speed 1500 µL/min

Solvent Wash Dispense Speed 15000 µL/min

Sample Wash Draw Speed 1500 µL/min

Sample Wash Dispense Speed 15000 µL/min

Injection Dispense Speed 30000 µL/min

Viscosity Delay 0 sec

Sample Depth Disabled

Injection Type Standard

L1 Airgap 1 µL

Solvent Wash Mode A, B

Sample Overlap

Mode

Sample overlap is not enabled

Front PTV Inlet He
Front PTV Inlet He Temperature
Setpoint
(Initial)
Hold Time
Program
#1 Rate
#1 Value
#1 Hold Time

On
250 °C
0.2 min

720 °C/min
250 °C
0 min

Excluded from Readiness
Readiness State***

***Excluded from Affecting GC's

Mode
Pressure
Total Flow
Septum Purge Flow
Pre-Run Flow Test
Gas Saver
Split Ratio
Split Flow
Liner

Split
On 17.01 psi
On 9 mL/min
On 3 mL/min
On 20 mL/min after 2 min
1 :1
3 mL/min
A Liner has not been selected.

Back SS Inlet He
Mode
Heater
Pressure
Total Flow
Septum Purge Flow
Pre-Run Flow Test
Liner

Split
Off
Off
Off
Off
Off
A Liner has not been selected.

Column
Column #1
Flow
Setpoint
(Initial)
Post Run

On
3 mL/min
2 mL/min

Temperature Range
Dimensions
(Uncalibrated)
Column lock
In
Out
(Initial)
Pressure
Flow
Average Velocity
Holdup Time
Control Mode

-60 °C-325 °C (325 °C)
30 m x 320 µm x 1 µm

Locked
Front PTV Inlet He
Other
120 °C
17.01 psi
3 mL/min
50.328 cm/sec
0.99348 min
Constant Flow

Column Outlet Pressure

0 psi

Detector Evaluation	
Perform Detector Evaluation Test	Off
Signal Selected	Signal #1: Diagnostics: Test
Plot {50 Hz}	
Checkout Sample	None

Signals	
Signal #1: Test Plot	
Description	Test Plot
Save	On
Data Rate	50 Hz
Dual Injection Assignment	Front Sample

Signal #2:	
Description	None

Signal #3:	
Description	None

Signal #4:	
Description	None

Signal #5:	
Description	None

Signal #6:	
Description	None

Signal #7:	
Description	None

Signal #8:	
Description	None

The Data Analysis Parameters of the used Method are :

```
=====
                        Integration Events
=====
```

```
-----
Non signal specific Integration Events
-----
```

Event	Value
-------	-------

Tangent Skim Mode	New Exponential
Tail Peak Skim Height Ratio	5.000
Front Peak Skim Height Ratio	5.000
Skim Valley Ratio	20.000
Baseline Correction	Advanced
Peak to Valley Ratio	500.000

Default Integration Event Table "Event"

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_ADC"

Event	Value	Time
Initial Slope Sensitivity	20.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_FID"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_TCD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial

Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_ECD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_NPD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_FPD"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_uECD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial

Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_GC"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Apply Method's Manual Integration Events: No

Specify Report

Calculate: Area Percent
 Use Multiplier & Dilution Factor with ISTDs

Use Sample Data from Data File

Report mode: Classic
 Destination: Screen
 Quantitative Results sorted by: Signal
 Report Style: Short
 Sample info on each page: No
 Add Chromatogram Output: Yes
 Chromatogram Output: Portrait
 Size in Time direction: 100 % of Page
 Size in Response direction: 40 % of Page
 Uncalibrated Peaks: Report with Calibrated Peaks

Signal Options

Include: Axes, Retention Times, Baselines, Tick Marks
 Font: Arial, Size: 8

Ranges: Full
 Multi Chromatograms: Separated, Each in full Scale

Calibration Table

General Calibration Setting

Calib. Data Modified :
Signals calculated separately : No

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.000 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.000 min
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
 Calibration Table after Recalibration
 Normal Report after Recalibration
If the sequence is done with bracketing:
 Results of first cycle (ending previous bracket)

Signal Details

Overview Table

No Entries in table

Identification Details Table

No Entries in table

Peak Sum Table

No Entries in table

Component Details Table

No Entries in table

=====
=====
Sample related custom fields
=====

Custom Field Type Mand. Default Value

None defined
=====

=====
=====
Compound related custom fields
=====

Custom Field Type Mand. Default Value

None defined

Method Information

Method: C:\Users\P...uments\ChemStation\1\Methods\PTV
Methods\DRUG30.M

Modified: 7/24/2024 at 10:03:23 AM

Hold for 120c for 1 min, ramp @ 70c/min to 270c. Inlet 250c. Run 30
minutes.

Method Audit Trail

Operator : SYSTEM

Date : 7/24/2024 10:03:21 AM

Change Info: This method was created at 7/24/2024 10:03:21 AM and based on
method 'C:\Users\Public\Documents\ChemStation\1\Methods\PTV
Methods\DRUGS30.M'

Operator : SYSTEM

Date : 7/24/2024 10:03:23 AM

Change Info: Method saved. User comment: ""

Run Time Checklist

Pre-Run Cmd/Macro: off

Data Acquisition: on

Standard Data Analysis: on

Modify Custom Fields: off

Customized Data Analysis: off

Save GLP Data: off

Post-Run Cmd/Macro: off

Save Method with Data: off

Injection Source and Location

Injection Source: GC Injector

Injection Location: Front

=====
Module Type: GC
Module Name: Agilent 8890
GC

GC Summary

Run Time 30.003 min
Post Run Time 0 min

Oven

Temperature
Setpoint On
(Initial) 120 °C
Hold Time 1 min
Post Run 270 °C
Program
#1 Rate 70 °C/min
#1 Value 270 °C
#1 Hold Time 26.86 min

Equilibration Time 0 min
Max Temperature 325 °C
Maximum Temperature Override Disabled
Slow Fan Disabled

ALS

Front Injector
Syringe Size 50 µL
Injection Volume 1 µL
Solvent A Washes (PreInj) 3
Solvent A Washes (PostInj) 2
Solvent A Volume 15 µL
Solvent B Washes (PreInj) 3
Solvent B Washes (PostInj) 2
Solvent B Volume 15 µL
Sample Washes 1
Sample Wash Volume 5 µL
Sample Pumps 4
Dwell Time (PreInj) 0 min
Dwell Time (PostInj) 0 min
Solvent Wash Draw Speed 1500 µL/min
Solvent Wash Dispense Speed 15000 µL/min
Sample Wash Draw Speed 1500 µL/min
Sample Wash Dispense Speed 15000 µL/min
Injection Dispense Speed 30000 µL/min
Viscosity Delay 0 sec
Sample Depth Disabled
Injection Type Standard
L1 Airgap 1 µL
Solvent Wash Mode A, B

Sample Overlap
Mode Sample overlap is not enabled

Front PTV Inlet He

Front PTV Inlet He Temperature
Setpoint
(Initial)
Hold Time
Program
#1 Rate
#1 Value
#1 Hold Time

On
250 °C
0.2 min
720 °C/min
250 °C
0 min

Excluded from Readiness
Readiness State***

***Excluded from Affecting GC's

Mode
Pressure
Total Flow
Septum Purge Flow
Pre-Run Flow Test
Gas Saver
Split Ratio
Split Flow
Liner

Split
On 17.01 psi
On 9 mL/min
On 3 mL/min
On
On 20 mL/min after 2 min
1 :1
3 mL/min
A Liner has not been selected.

Back SS Inlet He
Mode
Heater
Pressure
Total Flow
Septum Purge Flow
Pre-Run Flow Test
Liner

Split
Off
Off
Off
Off
Off
A Liner has not been selected.

Column
Column #1
Flow
Setpoint
(Initial)
Post Run

On
3 mL/min
2 mL/min

Temperature Range
Dimensions
(Uncalibrated)
Column lock
In
Out
(Initial)
Pressure
Flow
Average Velocity
Holdup Time
Control Mode

-60 °C-325 °C (325 °C)
30 m x 320 µm x 1 µm
Locked
Front PTV Inlet He
Other
120 °C
17.01 psi
3 mL/min
50.328 cm/sec
0.99348 min
Constant Flow

Column Outlet Pressure

0 psi

Detector Evaluation
Perform Detector Evaluation Test
Signal Selected
Plot {50 Hz}

Off
Signal #1: Diagnostics: Test

Checkout Sample	None
Signals	
Signal #1: Test Plot	
Description	Test Plot
Save	On
Data Rate	50 Hz
Dual Injection Assignment	Front Sample
Signal #2:	
Description	None
Signal #3:	
Description	None
Signal #4:	
Description	None
Signal #5:	
Description	None
Signal #6:	
Description	None
Signal #7:	
Description	None
Signal #8:	
Description	None

The Data Analysis Parameters of the used Method are :

=====
Integration Events
=====

Non signal specific Integration Events

Event	Value
Tangent Skim Mode	New Exponential
Tail Peak Skim Height Ratio	5.000
Front Peak Skim Height Ratio	5.000

Skim Valley Ratio	20.000
Baseline Correction	Advanced
Peak to Valley Ratio	500.000

Default Integration Event Table "Event"

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_ADC"

Event	Value	Time
Initial Slope Sensitivity	20.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_FID"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_TCD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_ECD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_NPD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_FPD"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_uECD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_GC"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Apply Method's Manual Integration Events: No

Specify Report

Calculate: Area Percent
 Use Multiplier & Dilution Factor with ISTDs

Use Sample Data from Data File

Report mode: Classic
 Destination: Screen
 Quantitative Results sorted by: Signal
 Report Style: Short
 Sample info on each page: No
 Add Chromatogram Output: Yes
 Chromatogram Output: Portrait
 Size in Time direction: 100 % of Page
 Size in Response direction: 40 % of Page
 Uncalibrated Peaks: Report with Calibrated Peaks

Signal Options

Include: Axes, Retention Times, Baselines, Tick Marks
 Font: Arial, Size: 8

Ranges: Full
 Multi Chromatograms: Separated, Each in full Scale

Calibration Table

General Calibration Setting

Calib. Data Modified :
Signals calculated separately : No

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.000 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.000 min
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

Signal Details

Overview Table

No Entries in table

Identification Details Table

No Entries in table

Peak Sum Table

No Entries in table

Component Details Table

No Entries in table

Sample related custom fields

Custom Field	Type	Mand.	Default Value
--------------	------	-------	---------------

None defined

Compound related custom fields

Custom Field	Type	Mand.	Default Value
--------------	------	-------	---------------

None defined

Method Information

Method: C:\Users\P...nts\ChemStation\1\Methods\PTV
Methods\ISODRUG14.M

Modified: 7/30/2024 at 3:27:02 PM

270c for 14 minutes. PTV 250c.

Method Audit Trail

Operator : SYSTEM

Date : 7/29/2024 10:45:31 AM

Change Info: This method was created at 7/29/2024 10:45:31 AM and based on
method 'C:\Users\Public\Documents\ChemStation\1\Methods\PTV
Methods\ISODRUGS14.M'

Operator : SYSTEM

Date : 7/29/2024 10:45:50 AM

Change Info: Method saved. User comment: ""

Operator : SYSTEM

Date : 7/30/2024 3:27:02 PM

Change Info: Method saved. User comment: ""

Run Time Checklist

Pre-Run Cmd/Macro: off

Data Acquisition: on

Standard Data Analysis: on

Modify Custom Fields: off

Customized Data Analysis: off

Save GLP Data: off

Post-Run Cmd/Macro: off

Save Method with Data: off

Injection Source and Location

Injection Source: GC Injector

Injection Location: Front

=====

Agilent 8890

=====

Module Type: GC
Module Name: Agilent 8890
GC

GC Summary

Run Time	14 min
Post Run Time	0 min

Oven

Temperature	
Setpoint	On
(Initial)	270 °C
Hold Time	14 min
Post Run	270 °C

Equilibration Time	0 min
Max Temperature	325 °C
Maximum Temperature Override	Disabled
Slow Fan	Disabled

ALS

Front Injector	
Syringe Size	50 µL
Injection Volume	1 µL
Solvent A Washes (PreInj)	3
Solvent A Washes (PostInj)	2
Solvent A Volume	15 µL
Solvent B Washes (PreInj)	3
Solvent B Washes (PostInj)	2
Solvent B Volume	15 µL
Sample Washes	1
Sample Wash Volume	5 µL
Sample Pumps	4
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	1500 µL/min
Solvent Wash Dispense Speed	15000 µL/min
Sample Wash Draw Speed	1500 µL/min
Sample Wash Dispense Speed	15000 µL/min
Injection Dispense Speed	30000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Injection Type	Standard
L1 Airgap	1 µL
Solvent Wash Mode	A, B

Sample Overlap
Mode

Sample overlap is not enabled

Front PTV Inlet He
Front PTV Inlet He Temperature
Setpoint

On

(Initial)	250 °C
Hold Time	0.2 min
Program	
#1 Rate	720 °C/min
#1 Value	250 °C
#1 Hold Time	0 min

Excluded from Readiness
Readiness State***

Mode
Pressure
Total Flow
Septum Purge Flow
Pre-Run Flow Test
Gas Saver
Split Ratio
Split Flow
Liner

***Excluded from Affecting GC's

Split
On 24.983 psi
On 12 mL/min
On 3 mL/min
On
On 20 mL/min after 2 min
2 :1
6 mL/min
A Liner has not been selected.

Back SS Inlet He
Mode
Heater
Pressure
Total Flow
Septum Purge Flow
Pre-Run Flow Test
Liner

Split
Off
Off
Off
Off
Off
A Liner has not been selected.

Column
Column #1
Flow
Setpoint
(Initial)
Post Run

On
3 mL/min
2 mL/min

Temperature Range
Dimensions
(Uncalibrated)
Column lock
In
Out
(Initial)
Pressure
Flow
Average Velocity
Holdup Time
Control Mode

-60 °C-325 °C (325 °C)
30 m x 320 µm x 1 µm
Locked
Front PTV Inlet He
Other
270 °C
24.983 psi
3 mL/min
57.917 cm/sec
0.8633 min
Constant Flow

Column Outlet Pressure

0 psi

Detector Evaluation
Perform Detector Evaluation Test
Signal Selected
Checkout Sample

Off
No Signal Selected
None

Signals

Signal #1: Test Plot	
Description	Test Plot
Save	On
Data Rate	50 Hz
Dual Injection Assignment	Front Sample

Signal #2:	
Description	None

Signal #3:	
Description	None

Signal #4:	
Description	None

Signal #5:	
Description	None

Signal #6:	
Description	None

Signal #7:	
Description	None

Signal #8:	
Description	None

The Data Analysis Parameters of the used Method are :

Integration Events

Non signal specific Integration Events

Event	Value
Tangent Skim Mode	New Exponential
Tail Peak Skim Height Ratio	5.000
Front Peak Skim Height Ratio	5.000
Skim Valley Ratio	20.000
Baseline Correction	Advanced
Peak to Valley Ratio	500.000

Default Integration Event Table "Event"

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_ADC"

Event	Value	Time
Initial Slope Sensitivity	20.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_FID"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_TCD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_ECD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_NPD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_FPD"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_uECD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_GC"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Apply Method's Manual Integration Events: No

Specify Report

Calculate: Area Percent
 Use Multiplier & Dilution Factor with ISTDs

Use Sample Data from Data File

Report mode: Classic
 Destination: Screen
 Quantitative Results sorted by: Signal
 Report Style: Short
 Sample info on each page: No
 Add Chromatogram Output: Yes
 Chromatogram Output: Portrait
 Size in Time direction: 100 % of Page
 Size in Response direction: 40 % of Page
 Uncalibrated Peaks: Report with Calibrated Peaks

Signal Options

Include: Axes, Retention Times, Baselines, Tick Marks
 Font: Arial, Size: 8

Ranges: Full
 Multi Chromatograms: Separated, Each in full Scale

Calibration Table

General Calibration Setting

Calib. Data Modified :

Signals calculated separately : No

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.000 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.000 min
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :

Printout of recalibrations within a sequence:

Calibration Table after Recalibration

Normal Report after Recalibration

If the sequence is done with bracketing:

Results of first cycle (ending previous bracket)

Signal Details

Overview Table

No Entries in table

Identification Details Table

No Entries in table

Peak Sum Table

No Entries in table

Component Details Table

No Entries in table

=====
Sample related custom fields
=====

Custom Field	Type	Mand.	Default Value
--------------	------	-------	---------------

None defined

=====
Compound related custom fields
=====

Custom Field	Type	Mand.	Default Value
--------------	------	-------	---------------

None defined

Method Information

Method: C:\Users\P...nts\ChemStation\1\Methods\PTV
Methods\ISODRUG30.M

Modified: 7/24/2024 at 10:07:18 AM

270c for 30 minutes. 1ul injection

Method Audit Trail

Operator : SYSTEM

Date : 7/24/2024 10:07:17 AM

Change Info: This method was created at 7/24/2024 10:07:17 AM and based on
method 'C:\Users\Public\Documents\ChemStation\1\Methods\PTV
Methods\ISODRUGS30.M'

Operator : SYSTEM

Date : 7/24/2024 10:07:18 AM

Change Info: Method saved. User comment: ""

Run Time Checklist

Pre-Run Cmd/Macro: off

Data Acquisition: on

Standard Data Analysis: on

Modify Custom Fields: off

Customized Data Analysis: off

Save GLP Data: off

Post-Run Cmd/Macro: off

Save Method with Data: off

Injection Source and Location

Injection Source: GC Injector

Injection Location: Front

=====

Agilent 8890

=====

Module Type: GC
Module Name: Agilent 8890
GC

GC Summary

Run Time 30 min
Post Run Time 0 min

Oven

Temperature
Setpoint On
(Initial) 270 °C
Hold Time 30 min
Post Run 270 °C

Equilibration Time 0 min
Max Temperature 325 °C
Maximum Temperature Override Disabled
Slow Fan Disabled

ALS

Front Injector
Syringe Size 50 µL
Injection Volume 1 µL
Solvent A Washes (PreInj) 3
Solvent A Washes (PostInj) 2
Solvent A Volume 15 µL
Solvent B Washes (PreInj) 3
Solvent B Washes (PostInj) 2
Solvent B Volume 15 µL
Sample Washes 1
Sample Wash Volume 5 µL
Sample Pumps 4
Dwell Time (PreInj) 0 min
Dwell Time (PostInj) 0 min
Solvent Wash Draw Speed 1500 µL/min
Solvent Wash Dispense Speed 15000 µL/min
Sample Wash Draw Speed 1500 µL/min
Sample Wash Dispense Speed 15000 µL/min
Injection Dispense Speed 30000 µL/min
Viscosity Delay 0 sec
Sample Depth Disabled
Injection Type Standard
L1 Airgap 1 µL
Solvent Wash Mode A, B

Sample Overlap
Mode

Sample overlap is not enabled

Front PTV Inlet He
Front PTV Inlet He Temperature
Setpoint
(Initial) 250 °C
Hold Time 0.2 min
Program
#1 Rate 720 °C/min

#1 Value
#1 Hold Time

250 °C
0 min

Excluded from Readiness
Readiness State***

***Excluded from Affecting GC's

Mode
Pressure
Total Flow
Septum Purge Flow
Pre-Run Flow Test
Gas Saver
Split Ratio
Split Flow
Liner

Split
On 24.983 psi
On 9 mL/min
On 3 mL/min
On
On 20 mL/min after 2 min
1 :1
3 mL/min
A Liner has not been selected.

Back SS Inlet He
Mode
Heater
Pressure
Total Flow
Septum Purge Flow
Pre-Run Flow Test
Liner

Split
Off
Off
Off
Off
Off
A Liner has not been selected.

Column
Column #1
Flow
Setpoint
(Initial)
Post Run

On
3 mL/min
2 mL/min

Temperature Range
Dimensions
(Uncalibrated)
Column lock
In
Out
(Initial)
Pressure
Flow
Average Velocity
Holdup Time
Control Mode

-60 °C-325 °C (325 °C)
30 m x 320 µm x 1 µm

Column Outlet Pressure

Locked
Front PTV Inlet He
Other
270 °C
24.983 psi
3 mL/min
57.917 cm/sec
0.8633 min
Constant Flow

Detector Evaluation
Perform Detector Evaluation Test
Signal Selected
Plot {50 Hz}
Checkout Sample

0 psi

Off
Signal #1: Diagnostics: Test

None

Signals
Signal #1: Test Plot
Description
Save

Test Plot
On

Data Rate	50 Hz
Dual Injection Assignment	Front Sample
Signal #2: Description	None
Signal #3: Description	None
Signal #4: Description	None
Signal #5: Description	None
Signal #6: Description	None
Signal #7: Description	None
Signal #8: Description	None

The Data Analysis Parameters of the used Method are :

Integration Events

Non signal specific Integration Events

Event	Value
Tangent Skim Mode	New Exponential
Tail Peak Skim Height Ratio	5.000
Front Peak Skim Height Ratio	5.000
Skim Valley Ratio	20.000
Baseline Correction	Advanced
Peak to Valley Ratio	500.000

Default Integration Event Table "Event"

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_ADC"

Event	Value	Time
Initial Slope Sensitivity	20.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_FID"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_TCD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_ECD"

Event	Value	Time
-------	-------	------

Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_NPD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_FPD"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_uECD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_GC"

Event	Value	Time
-------	-------	------

Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Apply Method's Manual Integration Events: No

Specify Report

Calculate: Area Percent
Use Multiplier & Dilution Factor with ISTDs

Use Sample Data from Data File
Report mode: Classic
Destination: Screen
Quantitative Results sorted by: Signal
Report Style: Short
Sample info on each page: No
Add Chromatogram Output: Yes
Chromatogram Output: Portrait
Size in Time direction: 100 % of Page
Size in Response direction: 40 % of Page
Uncalibrated Peaks: Report with Calibrated Peaks

Signal Options

Include: Axes, Retention Times, Baselines, Tick Marks
Font: Arial, Size: 8

Ranges: Full
Multi Chromatograms: Separated, Each in full Scale

Calibration Table

General Calibration Setting

Calib. Data Modified :
Signals calculated separately : No

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.000 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.000 min
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

Signal Details

Overview Table

No Entries in table

Identification Details Table

No Entries in table

Peak Sum Table

No Entries in table

Component Details Table

No Entries in table

Sample related custom fields

Custom Field	Type	Mand.	Default Value
--------------	------	-------	---------------

None defined

Compound related custom fields

Custom Field	Type	Mand.	Default Value
--------------	------	-------	---------------

None defined

Method Information

Method: C:\Users\P...s\ChemStation\1\Methods\PTV
Methods\LGISODRUG10.M

Modified: 7/24/2024 at 10:48:36 AM

10ul injection. 270c for 10 minutes

Method Audit Trail

Operator : SYSTEM

Date : 7/24/2024 10:48:34 AM

Change Info: This method was created at 7/24/2024 10:48:34 AM and based on
method 'C:\Users\Public\Documents\ChemStation\1\Methods\PTV
Methods\ISOLGDRUGS10.M'

Operator : SYSTEM

Date : 7/24/2024 10:48:36 AM

Change Info: Method saved. User comment: ""

Run Time Checklist

Pre-Run Cmd/Macro: off

Data Acquisition: on

Standard Data Analysis: on

Modify Custom Fields: off

Customized Data Analysis: off

Save GLP Data: off

Post-Run Cmd/Macro: off

Save Method with Data: off

Injection Source and Location

Injection Source: GC Injector

Injection Location: Front

=====

Agilent 8890

=====

Module Type: GC
Module Name: Agilent 8890
GC

GC Summary

Run Time 10 min
Post Run Time 0 min

Oven

Temperature
Setpoint On
(Initial) 270 °C
Hold Time 10 min
Post Run 270 °C

Equilibration Time 0 min
Max Temperature 325 °C
Maximum Temperature Override Disabled
Slow Fan Disabled

ALS

Front Injector
Syringe Size 50 µL
Injection Volume 10 µL
Solvent A Washes (PreInj) 3
Solvent A Washes (PostInj) 2
Solvent A Volume 20 µL
Solvent B Washes (PreInj) 3
Solvent B Washes (PostInj) 2
Solvent B Volume 20 µL
Sample Washes 1
Sample Wash Volume 5 µL
Sample Pumps 4
Dwell Time (PreInj) 0 min
Dwell Time (PostInj) 0 min
Solvent Wash Draw Speed 1500 µL/min
Solvent Wash Dispense Speed 15000 µL/min
Sample Wash Draw Speed 1500 µL/min
Sample Wash Dispense Speed 15000 µL/min
Injection Dispense Speed 30000 µL/min
Viscosity Delay 0 sec
Sample Depth Disabled
Injection Type Standard
L1 Airgap 1 µL
Solvent Wash Mode A, B

Sample Overlap

Mode Sample overlap is not enabled

Front PTV Inlet He

Front PTV Inlet He Temperature
Setpoint On
(Initial) 60 °C
Hold Time 0.15 min
Program
#1 Rate 720 °C/min

#1 Value
#1 Hold Time

250 °C
0 min

Excluded from Readiness
Readiness State***
Mode
Pressure
Total Flow
Septum Purge Flow
Septum Purge Flow Mode
Pre-Run Flow Test
Gas Saver
Purge Flow to Split Vent
Vent Flow
Vent Pressure
Liner

***Excluded from Affecting GC's
Solvent Vent
On 24.983 psi
On 86 mL/min
On 3 mL/min
Standard
On
On 20 mL/min after 2 min
80 mL/min at 1 min
120 mL/min per min
3 psi Until 0.25 min
A Liner has not been selected.

Back SS Inlet He
Mode
Heater
Pressure
Total Flow
Septum Purge Flow
Septum Purge Flow Mode
Pre-Run Flow Test
Purge Flow to Split Vent
Liner

Splitless
Off
Off
Off
Off
Standard
Off
80 mL/min at 1 min
A Liner has not been selected.

Column
Column #1
Flow
Setpoint
(Initial)
Post Run

On
3 mL/min
2 mL/min

Temperature Range
Dimensions
(Uncalibrated)
Column lock
In
Out
(Initial)
Pressure
Flow
Average Velocity
Holdup Time
Control Mode

-60 °C-325 °C (325 °C)
30 m x 320 µm x 1 µm
Locked
Front PTV Inlet He
Other
270 °C
24.983 psi
3 mL/min
57.917 cm/sec
0.8633 min
Constant Flow

Column Outlet Pressure

0 psi

Detector Evaluation
Perform Detector Evaluation Test
Signal Selected
Plot {50 Hz}
Checkout Sample

Off
Signal #1: Diagnostics: Test
None

Signals	
Signal #1: Test Plot	
Description	Test Plot
Save	On
Data Rate	50 Hz
Dual Injection Assignment	Front Sample
Signal #2:	
Description	None
Signal #3:	
Description	None
Signal #4:	
Description	None
Signal #5:	
Description	None
Signal #6:	
Description	None
Signal #7:	
Description	None
Signal #8:	
Description	None

The Data Analysis Parameters of the used Method are :

Integration Events

Non signal specific Integration Events

Event	Value
Tangent Skim Mode	New Exponential
Tail Peak Skim Height Ratio	5.000
Front Peak Skim Height Ratio	5.000
Skim Valley Ratio	20.000
Baseline Correction	Advanced

Peak to Valley Ratio

500.000

Default Integration Event Table "Event"

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_ADC"

Event	Value	Time
Initial Slope Sensitivity	20.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_FID"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_TCD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_ECD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_NPD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_FPD"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_uECD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_GC"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Apply Method's Manual Integration Events: No

Specify Report

Calculate: Area Percent
 Use Multiplier & Dilution Factor with ISTDs

Use Sample Data from Data File

Report mode: Classic
 Destination: Screen
 Quantitative Results sorted by: Signal
 Report Style: Short
 Sample info on each page: No
 Add Chromatogram Output: Yes
 Chromatogram Output: Portrait
 Size in Time direction: 100 % of Page
 Size in Response direction: 40 % of Page
 Uncalibrated Peaks: Report with Calibrated Peaks

Signal Options

Include: Axes, Retention Times, Baselines, Tick Marks
 Font: Arial, Size: 8

Ranges: Full
 Multi Chromatograms: Separated, Each in full Scale

Calibration Table

General Calibration Setting

Calib. Data Modified :
Signals calculated separately : No

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.000 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.000 min
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

Signal Details

Overview Table

No Entries in table

Identification Details Table

No Entries in table

Peak Sum Table

No Entries in table

Component Details Table

No Entries in table

=====

Sample related custom fields

=====

Custom Field	Type	Mand.	Default Value
--------------	------	-------	---------------

None defined

=====

Compound related custom fields

=====

Custom Field	Type	Mand.	Default Value
--------------	------	-------	---------------

None defined

Method Information

Method: C:\Users\P...s\ChemStation\1\Methods\PTV
Methods\LGISODRUG30.M
Modified: 7/24/2024 at 10:12:40 AM

270c for 30 min.

Method Audit Trail

Operator : SYSTEM
Date : 7/24/2024 10:12:39 AM
Change Info: This method was created at 7/24/2024 10:12:39 AM and based on
method 'C:\Users\Public\Documents\ChemStation\1\Methods\PTV
Methods\ISOLGDRUGS30.M'

Operator : SYSTEM
Date : 7/24/2024 10:12:40 AM
Change Info: Method saved. User comment: ""

Run Time Checklist

Pre-Run Cmd/Macro: off
Data Acquisition: on
Standard Data Analysis: on
Modify Custom Fields: off
Customized Data Analysis: off
Save GLP Data: off
Post-Run Cmd/Macro: off
Save Method with Data: off

Injection Source and Location

Injection Source: GC Injector
Injection Location: Front

=====

Agilent 8890

=====

Module Type: GC
Module Name: Agilent 8890
GC

GC Summary

Run Time 30 min
Post Run Time 0 min

Oven

Temperature
Setpoint On
(Initial) 270 °C
Hold Time 30 min
Post Run 270 °C

Equilibration Time 0 min
Max Temperature 325 °C
Maximum Temperature Override Disabled
Slow Fan Disabled

ALS

Front Injector
Syringe Size 50 µL
Injection Volume 10 µL
Solvent A Washes (PreInj) 3
Solvent A Washes (PostInj) 2
Solvent A Volume 20 µL
Solvent B Washes (PreInj) 3
Solvent B Washes (PostInj) 2
Solvent B Volume 20 µL
Sample Washes 1
Sample Wash Volume 5 µL
Sample Pumps 4
Dwell Time (PreInj) 0 min
Dwell Time (PostInj) 0 min
Solvent Wash Draw Speed 1500 µL/min
Solvent Wash Dispense Speed 15000 µL/min
Sample Wash Draw Speed 1500 µL/min
Sample Wash Dispense Speed 15000 µL/min
Injection Dispense Speed 30000 µL/min
Viscosity Delay 0 sec
Sample Depth Disabled
Injection Type Standard
L1 Airgap 1 µL
Solvent Wash Mode A, B

Sample Overlap
Mode Sample overlap is not enabled

Front PTV Inlet He
Front PTV Inlet He Temperature
Setpoint On
(Initial) 60 °C
Hold Time 0.15 min
Program
#1 Rate 720 °C/min

#1 Value
#1 Hold Time

250 °C
0 min

Excluded from Readiness
Readiness State***

***Excluded from Affecting GC's

Mode
Pressure
Total Flow
Septum Purge Flow
Septum Purge Flow Mode
Pre-Run Flow Test
Gas Saver
Purge Flow to Split Vent
Vent Flow
Vent Pressure
Liner

Solvent Vent
On 24.983 psi
On 86 mL/min
On 3 mL/min
Standard
On
On 15 mL/min after 2 min
80 mL/min at 1 min
120 mL/min per min
3 psi Until 0.25 min
A Liner has not been selected.

Back SS Inlet He
Mode
Heater
Pressure
Total Flow
Septum Purge Flow
Septum Purge Flow Mode
Pre-Run Flow Test
Purge Flow to Split Vent
Liner

Splitless
Off
Off
Off
Off
Standard
Off
80 mL/min at 1 min
A Liner has not been selected.

Column
Column #1
Flow
Setpoint
(Initial)
Post Run

On
3 mL/min
2 mL/min

Temperature Range
Dimensions
(Uncalibrated)
Column lock
In
Out
(Initial)
Pressure
Flow
Average Velocity
Holdup Time
Control Mode

-60 °C-325 °C (325 °C)
30 m x 320 µm x 1 µm
Locked
Front PTV Inlet He
Other
270 °C
24.983 psi
3 mL/min
57.917 cm/sec
0.8633 min
Constant Flow

Column Outlet Pressure

0 psi

Detector Evaluation
Perform Detector Evaluation Test
Signal Selected
Plot {50 Hz}
Checkout Sample

Off
Signal #1: Diagnostics: Test
None

Signals
 Signal #1: Test Plot
 Description Test Plot
 Save On
 Data Rate 50 Hz
 Dual Injection Assignment Front Sample

Signal #2:
 Description None

Signal #3:
 Description None

Signal #4:
 Description None

Signal #5:
 Description None

Signal #6:
 Description None

Signal #7:
 Description None

Signal #8:
 Description None

The Data Analysis Parameters of the used Method are :

=====

Integration Events

=====

Non signal specific Integration Events

Event	Value
Tangent Skim Mode	New Exponential
Tail Peak Skim Height Ratio	5.000
Front Peak Skim Height Ratio	5.000
Skim Valley Ratio	20.000
Baseline Correction	Advanced

Peak to Valley Ratio

500.000

Default Integration Event Table "Event"

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_ADC"

Event	Value	Time
Initial Slope Sensitivity	20.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_FID"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_TCD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_ECD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_NPD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_FPD"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_uECD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_GC"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Apply Method's Manual Integration Events: No

Specify Report

Calculate: Area Percent
 Use Multiplier & Dilution Factor with ISTDs

 Use Sample Data from Data File
 Report mode: Classic
 Destination: Screen
 Quantitative Results sorted by: Signal
 Report Style: Short
 Sample info on each page: No
 Add Chromatogram Output: Yes
 Chromatogram Output: Portrait
 Size in Time direction: 100 % of Page
 Size in Response direction: 40 % of Page
 Uncalibrated Peaks: Report with Calibrated Peaks

Signal Options

Include: Axes, Retention Times, Baselines, Tick Marks
 Font: Arial, Size: 8

 Ranges: Full
 Multi Chromatograms: Separated, Each in full Scale

Calibration Table

General Calibration Setting

Calib. Data Modified :
Signals calculated separately : No

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.000 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.000 min
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
 Calibration Table after Recalibration
 Normal Report after Recalibration
If the sequence is done with bracketing:
 Results of first cycle (ending previous bracket)

Signal Details

Overview Table

No Entries in table

Identification Details Table

No Entries in table

Peak Sum Table

No Entries in table

Component Details Table

No Entries in table

=====

Sample related custom fields

=====

Custom Field	Type	Mand.	Default Value
--------------	------	-------	---------------

None defined

=====

Compound related custom fields

=====

Custom Field	Type	Mand.	Default Value
--------------	------	-------	---------------

None defined

Method Information

Method: C:\Users\P...ents\ChemStation\1\Methods\PTV
Methods\LGDRUG10.M

Modified: 7/25/2024 at 12:20:09 PM

10ul injection. 120c @ 70c/min --> 270c. 10 minutes

Method Audit Trail

Operator : SYSTEM
Date : 7/24/2024 10:16:42 AM
Change Info: This method was created at 7/24/2024 10:16:42 AM and based on
method 'C:\Users\Public\Documents\ChemStation\1\Methods\PTV
Methods\LGDRUGS10.M'

Operator : SYSTEM
Date : 7/24/2024 10:16:47 AM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 7/25/2024 12:20:09 PM
Change Info: Method saved. User comment: ""

Run Time Checklist

Pre-Run Cmd/Macro: off

Data Acquisition: on

Standard Data Analysis: on

Modify Custom Fields: off

Customized Data Analysis: off

Save GLP Data: off

Post-Run Cmd/Macro: off

Save Method with Data: off

Injection Source and Location

Injection Source: GC Injector

Injection Location: Front

=====

Agilent 8890

=====

Module Type: GC

Module Name: Agilent 8890

GC

GC Summary

Run Time 10.143 min

Post Run Time 0 min

Oven

Temperature

Setpoint On

(Initial) 120 °C

Hold Time 1 min

Post Run 270 °C

Program

#1 Rate 70 °C/min

#1 Value 270 °C

#1 Hold Time 7 min

Equilibration Time 0 min

Max Temperature 325 °C

Maximum Temperature Override Disabled

Slow Fan Disabled

ALS

Front Injector

Syringe Size 50 µL

Injection Volume 10 µL

Solvent A Washes (PreInj) 3

Solvent A Washes (PostInj) 2

Solvent A Volume 20 µL

Solvent B Washes (PreInj) 3

Solvent B Washes (PostInj) 2

Solvent B Volume 20 µL

Sample Washes 1

Sample Wash Volume 5 µL

Sample Pumps 4

Dwell Time (PreInj) 0 min

Dwell Time (PostInj) 0 min

Solvent Wash Draw Speed 1500 µL/min

Solvent Wash Dispense Speed 15000 µL/min

Sample Wash Draw Speed 1500 µL/min

Sample Wash Dispense Speed 15000 µL/min

Injection Dispense Speed 30000 µL/min

Viscosity Delay 0 sec

Sample Depth Disabled

Injection Type Standard

L1 Airgap 1 µL

Solvent Wash Mode A, B

Sample Overlap

Mode Sample overlap is not enabled

Front PTV Inlet He
Front PTV Inlet He Temperature
Setpoint
(Initial)
Hold Time
Program
#1 Rate
#1 Value
#1 Hold Time

On
60 °C
0.15 min
720 °C/min
250 °C
0 min

Excluded from Readiness
Readiness State***

***Excluded from Affecting GC's

Mode
Pressure
Total Flow
Septum Purge Flow
Septum Purge Flow Mode
Pre-Run Flow Test
Gas Saver
Purge Flow to Split Vent
Vent Flow
Vent Pressure
Liner

Solvent Vent
On 17.01 psi
On 86 mL/min
On 3 mL/min
Standard
On
On 20 mL/min after 2 min
80 mL/min at 1 min
120 mL/min per min
3 psi Until 0.25 min
A Liner has not been selected.

Back SS Inlet He
Mode
Heater
Pressure
Total Flow
Septum Purge Flow
Septum Purge Flow Mode
Pre-Run Flow Test
Purge Flow to Split Vent
Liner

Splitless
Off
Off
Off
Off
Standard
Off
80 mL/min at 1 min
A Liner has not been selected.

Column
Column #1
Flow
Setpoint
(Initial)
Post Run

On
3 mL/min
2 mL/min

Temperature Range
Dimensions
(Uncalibrated)
Column lock
In
Out
(Initial)
Pressure
Flow
Average Velocity
Holdup Time
Control Mode

-60 °C-325 °C (325 °C)
30 m x 320 µm x 1 µm
Locked
Front PTV Inlet He
Other
120 °C
17.01 psi
3 mL/min
50.328 cm/sec
0.99348 min
Constant Flow

Column Outlet Pressure	0 psi
Detector Evaluation	
Perform Detector Evaluation Test	Off
Signal Selected	Signal #1: Diagnostics: Test
Plot {50 Hz}	
Checkout Sample	None
Signals	
Signal #1: Test Plot	
Description	Test Plot
Save	On
Data Rate	50 Hz
Dual Injection Assignment	Front Sample
Signal #2:	
Description	None
Signal #3:	
Description	None
Signal #4:	
Description	None
Signal #5:	
Description	None
Signal #6:	
Description	None
Signal #7:	
Description	None
Signal #8:	
Description	None

The Data Analysis Parameters of the used Method are :

Integration Events

Non signal specific Integration Events

Event	Value
Tangent Skim Mode	New Exponential
Tail Peak Skim Height Ratio	5.000
Front Peak Skim Height Ratio	5.000
Skim Valley Ratio	20.000
Baseline Correction	Advanced
Peak to Valley Ratio	500.000

Default Integration Event Table "Event"

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_ADC"

Event	Value	Time
Initial Slope Sensitivity	20.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_FID"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_TCD"

Event	Value	Time
-------	-------	------

Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_ECD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_NPD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_FPD"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_uECD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial

Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_GC"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Apply Method's Manual Integration Events: No

Specify Report

Calculate: Area Percent
 Use Multiplier & Dilution Factor with ISTDs

Use Sample Data from Data File

Report mode: Classic
 Destination: Screen
 Quantitative Results sorted by: Signal
 Report Style: Short
 Sample info on each page: No
 Add Chromatogram Output: Yes
 Chromatogram Output: Portrait
 Size in Time direction: 100 % of Page
 Size in Response direction: 40 % of Page
 Uncalibrated Peaks: Report with Calibrated Peaks

Signal Options

Include: Axes, Retention Times, Baselines, Tick Marks
 Font: Arial, Size: 8

Ranges: Full
 Multi Chromatograms: Separated, Each in full Scale

Calibration Table

General Calibration Setting

Calib. Data Modified :
Signals calculated separately : No

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.000 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.000 min
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
 Calibration Table after Recalibration
 Normal Report after Recalibration
If the sequence is done with bracketing:
 Results of first cycle (ending previous bracket)

Signal Details

Overview Table

No Entries in table

Identification Details Table

No Entries in table

Peak Sum Table

No Entries in table

Component Details Table

No Entries in table

Sample related custom fields

Custom Field	Type	Mand.	Default Value
None defined			

Compound related custom fields

Custom Field	Type	Mand.	Default Value
None defined			

Method Information

Method: C:\Users\P...ents\ChemStation\1\Methods\PTV
Methods\LGDRUG20.M

Modified: 7/24/2024 at 10:20:08 AM

120c @ 70c/min for 20 min.PTV 60c

Method Audit Trail

Operator : SYSTEM

Date : 7/24/2024 10:20:00 AM

Change Info: This method was created at 7/24/2024 10:20:00 AM and based on
method 'C:\Users\Public\Documents\ChemStation\1\Methods\PTV
Methods\LGDRUGS20.M'

Operator : SYSTEM

Date : 7/24/2024 10:20:08 AM

Change Info: Method saved. User comment: ""

Run Time Checklist

Pre-Run Cmd/Macro: off

Data Acquisition: on

Standard Data Analysis: on

Modify Custom Fields: off

Customized Data Analysis: off

Save GLP Data: off

Post-Run Cmd/Macro: off

Save Method with Data: off

Injection Source and Location

Injection Source: GC Injector

Injection Location: Front

=====

Agilent 8890

=====

Module Type: GC
Module Name: Agilent 8890
GC

GC Summary

Run Time 20.143 min
Post Run Time 0 min

Oven

Temperature
Setpoint On
(Initial) 120 °C
Hold Time 1 min
Post Run 270 °C
Program
#1 Rate 70 °C/min
#1 Value 270 °C
#1 Hold Time 17 min

Equilibration Time 0 min
Max Temperature 325 °C
Maximum Temperature Override Disabled
Slow Fan Disabled

ALS

Front Injector
Syringe Size 50 µL
Injection Volume 10 µL
Solvent A Washes (PreInj) 3
Solvent A Washes (PostInj) 2
Solvent A Volume 20 µL
Solvent B Washes (PreInj) 3
Solvent B Washes (PostInj) 2
Solvent B Volume 20 µL
Sample Washes 1
Sample Wash Volume 5 µL
Sample Pumps 4
Dwell Time (PreInj) 0 min
Dwell Time (PostInj) 0 min
Solvent Wash Draw Speed 1500 µL/min
Solvent Wash Dispense Speed 15000 µL/min
Sample Wash Draw Speed 1500 µL/min
Sample Wash Dispense Speed 15000 µL/min
Injection Dispense Speed 30000 µL/min
Viscosity Delay 0 sec
Sample Depth Disabled
Injection Type Standard
L1 Airgap 1 µL
Solvent Wash Mode A, B

Sample Overlap
Mode

Sample overlap is not enabled

Front PTV Inlet He
Front PTV Inlet He Temperature

Setpoint
(Initial)
Hold Time
Program
#1 Rate
#1 Value
#1 Hold Time

On
60 °C
0.15 min
720 °C/min
250 °C
0 min

Excluded from Readiness
Readiness State***
Mode
Pressure
Total Flow
Septum Purge Flow
Septum Purge Flow Mode
Pre-Run Flow Test
Gas Saver
Purge Flow to Split Vent
Vent Flow
Vent Pressure
Liner

***Excluded from Affecting GC's

Solvent Vent
On 17.01 psi
On 86 mL/min
On 3 mL/min
Standard
On
On 20 mL/min after 2 min
80 mL/min at 1 min
120 mL/min per min
3 psi Until 0.25 min
A Liner has not been selected.

Back SS Inlet He
Mode
Heater
Pressure
Total Flow
Septum Purge Flow
Septum Purge Flow Mode
Pre-Run Flow Test
Purge Flow to Split Vent
Liner

Splitless
Off
Off
Off
Off
Standard
Off
80 mL/min at 1 min
A Liner has not been selected.

Column
Column #1
Flow
Setpoint
(Initial)
Post Run

On
3 mL/min
2 mL/min

Temperature Range
Dimensions
(Uncalibrated)
Column lock
In
Out
(Initial)
Pressure
Flow
Average Velocity
Holdup Time
Control Mode

-60 °C-325 °C (325 °C)
30 m x 320 µm x 1 µm
Locked
Front PTV Inlet He
Other
120 °C
17.01 psi
3 mL/min
50.328 cm/sec
0.99348 min
Constant Flow

Column Outlet Pressure

0 psi

Detector Evaluation

Perform Detector Evaluation Test	Off
Signal Selected	Signal #1: Diagnostics: Test
Plot {50 Hz}	
Checkout Sample	None
Signals	
Signal #1: Test Plot	
Description	Test Plot
Save	On
Data Rate	50 Hz
Dual Injection Assignment	Front Sample
Signal #2:	
Description	None
Signal #3:	
Description	None
Signal #4:	
Description	None
Signal #5:	
Description	None
Signal #6:	
Description	None
Signal #7:	
Description	None
Signal #8:	
Description	None

The Data Analysis Parameters of the used Method are :

=====
Integration Events
=====

Non signal specific Integration Events

Event	Value
-----	-----

Tangent Skim Mode	New Exponential
Tail Peak Skim Height Ratio	5.000
Front Peak Skim Height Ratio	5.000
Skim Valley Ratio	20.000
Baseline Correction	Advanced
Peak to Valley Ratio	500.000

Default Integration Event Table "Event"

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_ADC"

Event	Value	Time
Initial Slope Sensitivity	20.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_FID"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_TCD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial

Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_ECD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_NPD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_FPD"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_uECD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial

Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_GC"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Apply Method's Manual Integration Events: No

Specify Report

Calculate: Area Percent
Use Multiplier & Dilution Factor with ISTDs

Use Sample Data from Data File

Report mode: Classic
Destination: Screen
Quantitative Results sorted by: Signal
Report Style: Short
Sample info on each page: No
Add Chromatogram Output: Yes
Chromatogram Output: Portrait
Size in Time direction: 100 % of Page
Size in Response direction: 40 % of Page
Uncalibrated Peaks: Report with Calibrated Peaks

Signal Options

Include: Axes, Retention Times, Baselines, Tick Marks
Font: Arial, Size: 8

Ranges: Full
Multi Chromatograms: Separated, Each in full Scale

Calibration Table

General Calibration Setting

Calib. Data Modified :
Signals calculated separately : No

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.000 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.000 min
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
 Calibration Table after Recalibration
 Normal Report after Recalibration
If the sequence is done with bracketing:
 Results of first cycle (ending previous bracket)

Signal Details

Overview Table

No Entries in table

Identification Details Table

No Entries in table

Peak Sum Table

No Entries in table

Component Details Table

No Entries in table

Sample related custom fields

Custom Field	Type	Mand.	Default Value
None defined			

Compound related custom fields

Custom Field	Type	Mand.	Default Value
None defined			

Method Information

Method: C:\Users\P...ents\ChemStation\1\Methods\PTV
Methods\LGDRUG30.M

Modified: 7/25/2024 at 2:36:04 PM

120c @ 70c/min for 30 min. PTV 60c

Method Audit Trail

Operator : SYSTEM
Date : 7/24/2024 10:22:40 AM
Change Info: This method was created at 7/24/2024 10:22:40 AM and based on
method 'C:\Users\Public\Documents\ChemStation\1\Methods\PTV
Methods\LGDRUGS30.M'

Operator : SYSTEM
Date : 7/24/2024 10:22:52 AM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 7/25/2024 2:36:04 PM
Change Info: Method saved. User comment: ""

Run Time Checklist

Pre-Run Cmd/Macro: off

Data Acquisition: on

Standard Data Analysis: on

Modify Custom Fields: off

Customized Data Analysis: off

Save GLP Data: off

Post-Run Cmd/Macro: off

Save Method with Data: off

Injection Source and Location

Injection Source: GC Injector

Injection Location: Front

=====

Agilent 8890

=====

Module Type: GC
Module Name: Agilent 8890
GC

GC Summary

Run Time	30.003 min
Post Run Time	0 min

Oven

Temperature	
Setpoint	On
(Initial)	120 °C
Hold Time	1 min
Post Run	270 °C
Program	
#1 Rate	70 °C/min
#1 Value	270 °C
#1 Hold Time	26.86 min

Equilibration Time	0 min
Max Temperature	325 °C
Maximum Temperature Override	Disabled
Slow Fan	Disabled

ALS

Front Injector	
Syringe Size	50 µL
Injection Volume	10 µL
Solvent A Washes (PreInj)	3
Solvent A Washes (PostInj)	2
Solvent A Volume	20 µL
Solvent B Washes (PreInj)	3
Solvent B Washes (PostInj)	2
Solvent B Volume	20 µL
Sample Washes	1
Sample Wash Volume	5 µL
Sample Pumps	4
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	1500 µL/min
Solvent Wash Dispense Speed	15000 µL/min
Sample Wash Draw Speed	1500 µL/min
Sample Wash Dispense Speed	15000 µL/min
Injection Dispense Speed	30000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Injection Type	Standard
L1 Airgap	1 µL
Solvent Wash Mode	A, B

Sample Overlap
Mode

Sample overlap is not enabled

Front PTV Inlet He
Front PTV Inlet He Temperature
Setpoint
(Initial)
Hold Time
Program
#1 Rate
#1 Value
#1 Hold Time

On
60 °C
0.15 min
720 °C/min
250 °C
0 min

Excluded from Readiness
Readiness State***
Mode
Pressure
Total Flow
Septum Purge Flow
Septum Purge Flow Mode
Pre-Run Flow Test
Gas Saver
Purge Flow to Split Vent
Vent Flow
Vent Pressure
Liner

***Excluded from Affecting GC's
Solvent Vent
On 17.01 psi
On 86 mL/min
On 3 mL/min
Standard
On
On 20 mL/min after 2 min
80 mL/min at 1 min
120 mL/min per min
3 psi Until 0.25 min
A Liner has not been selected.

Back SS Inlet He
Mode
Heater
Pressure
Total Flow
Septum Purge Flow
Septum Purge Flow Mode
Pre-Run Flow Test
Purge Flow to Split Vent
Liner

Splitless
Off
Off
Off
Off
Standard
Off
80 mL/min at 1 min
A Liner has not been selected.

Column
Column #1
Flow
Setpoint
(Initial)
Post Run

On
3 mL/min
2 mL/min

Temperature Range
Dimensions
(Uncalibrated)
Column lock
In
Out
(Initial)
Pressure
Flow
Average Velocity
Holdup Time
Control Mode

-60 °C-325 °C (325 °C)
30 m x 320 µm x 1 µm
Locked
Front PTV Inlet He
Other
120 °C
17.01 psi
3 mL/min
50.328 cm/sec
0.99348 min
Constant Flow

Column Outlet Pressure	0 psi
Detector Evaluation	
Perform Detector Evaluation Test	Off
Signal Selected	Signal #1: Diagnostics: Test
Plot {50 Hz}	
Checkout Sample	None
Signals	
Signal #1: Test Plot	
Description	Test Plot
Save	On
Data Rate	50 Hz
Dual Injection Assignment	Front Sample
Signal #2:	
Description	None
Signal #3:	
Description	None
Signal #4:	
Description	None
Signal #5:	
Description	None
Signal #6:	
Description	None
Signal #7:	
Description	None
Signal #8:	
Description	None

The Data Analysis Parameters of the used Method are :

=====

Integration Events

=====

Non signal specific Integration Events

Event	Value
Tangent Skim Mode	New Exponential
Tail Peak Skim Height Ratio	5.000
Front Peak Skim Height Ratio	5.000
Skim Valley Ratio	20.000
Baseline Correction	Advanced
Peak to Valley Ratio	500.000

Default Integration Event Table "Event"

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_ADC"

Event	Value	Time
Initial Slope Sensitivity	20.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_FID"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_TCD"

Event	Value	Time
-------	-------	------

Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_ECD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_NPD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_FPD"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_uECD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial

Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_GC"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Apply Method's Manual Integration Events: No

Specify Report

Calculate: Area Percent
 Use Multiplier & Dilution Factor with ISTDs

Use Sample Data from Data File

Report mode: Classic
 Destination: Screen
 Quantitative Results sorted by: Signal
 Report Style: Short
 Sample info on each page: No
 Add Chromatogram Output: Yes
 Chromatogram Output: Portrait
 Size in Time direction: 100 % of Page
 Size in Response direction: 40 % of Page
 Uncalibrated Peaks: Report with Calibrated Peaks

Signal Options

Include: Axes, Retention Times, Baselines, Tick Marks
 Font: Arial, Size: 8

Ranges: Full
 Multi Chromatograms: Separated, Each in full Scale

Calibration Table

General Calibration Setting

Calib. Data Modified :
Signals calculated separately : No

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.000 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.000 min
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
 Calibration Table after Recalibration
 Normal Report after Recalibration
If the sequence is done with bracketing:
 Results of first cycle (ending previous bracket)

Signal Details

Overview Table

No Entries in table

Identification Details Table

No Entries in table

Peak Sum Table

No Entries in table

Component Details Table

No Entries in table

=====

Sample related custom fields

=====

Custom Field	Type	Mand.	Default Value
--------------	------	-------	---------------

None defined

=====

Compound related custom fields

=====

Custom Field	Type	Mand.	Default Value
--------------	------	-------	---------------

None defined

Method Information

Method: C:\Users\P...ts\ChemStation\1\Methods\PTV
Methods\SLOWDRUG10.M

Modified: 7/24/2024 at 10:32:10 AM

Starts 120 @ 35c/min --> 270. 10 minutes. PTV inlet 150c

Method Audit Trail

Operator : SYSTEM
Date : 7/24/2024 10:32:08 AM
Change Info: This method was created at 7/24/2024 10:32:08 AM and based on
method 'C:\Users\Public\Documents\ChemStation\1\Methods\PTV
Methods\SLOWDRUGS10.M'

Operator : SYSTEM
Date : 7/24/2024 10:32:10 AM
Change Info: Method saved. User comment: ""

Run Time Checklist

Pre-Run Cmd/Macro: off

Data Acquisition: on

Standard Data Analysis: on

Modify Custom Fields: off

Customized Data Analysis: off

Save GLP Data: off

Post-Run Cmd/Macro: off

Save Method with Data: off

Injection Source and Location

Injection Source: GC Injector

Injection Location: Front

Module Type: GC
Module Name: Agilent 8890
GC

GC Summary

Run Time 10.027 min
Post Run Time 0 min

Oven

Temperature
Setpoint On
(Initial) 120 °C
Hold Time 1 min
Post Run 270 °C
Program
#1 Rate 55 °C/min
#1 Value 270 °C
#1 Hold Time 6.3 min

Equilibration Time 0 min
Max Temperature 325 °C
Maximum Temperature Override Disabled
Slow Fan Disabled

ALS

Front Injector
Syringe Size 50 µL
Injection Volume 1 µL
Solvent A Washes (PreInj) 3
Solvent A Washes (PostInj) 2
Solvent A Volume 15 µL
Solvent B Washes (PreInj) 3
Solvent B Washes (PostInj) 2
Solvent B Volume 15 µL
Sample Washes 1
Sample Wash Volume 5 µL
Sample Pumps 4
Dwell Time (PreInj) 0 min
Dwell Time (PostInj) 0 min
Solvent Wash Draw Speed 1500 µL/min
Solvent Wash Dispense Speed 15000 µL/min
Sample Wash Draw Speed 1500 µL/min
Sample Wash Dispense Speed 15000 µL/min
Injection Dispense Speed 30000 µL/min
Viscosity Delay 0 sec
Sample Depth Disabled
Injection Type Standard
L1 Airgap 1 µL
Solvent Wash Mode A, B

Sample Overlap
Mode

Sample overlap is not enabled

Front PTV Inlet He
Front PTV Inlet He Temperature

Setpoint
(Initial) 150 °C
Hold Time 0.2 min
Program
#1 Rate 720 °C/min
#1 Value 250 °C
#1 Hold Time 0 min

Excluded from Readiness
Readiness State***

Mode
Pressure
Total Flow
Septum Purge Flow
Pre-Run Flow Test
Gas Saver
Split Ratio
Split Flow
Liner

***Excluded from Affecting GC's

Split
On 17.01 psi
On 12 mL/min
On 3 mL/min
Off
On 20 mL/min after 2 min
2 :1
6 mL/min
A Liner has not been selected.

Back SS Inlet He
Mode
Heater
Pressure
Total Flow
Septum Purge Flow
Pre-Run Flow Test
Liner

Split
Off
Off
Off
Off
Off
A Liner has not been selected.

Column
Column #1
Flow
Setpoint
(Initial)
Post Run

On
3 mL/min
2 mL/min

Temperature Range
Dimensions
(Uncalibrated)
Column lock
In
Out
(Initial)
Pressure
Flow
Average Velocity
Holdup Time
Control Mode

-60 °C-325 °C (325 °C)
30 m x 320 µm x 1 µm
Locked
Front PTV Inlet He
Other
120 °C
17.01 psi
3 mL/min
50.328 cm/sec
0.99348 min
Constant Flow

Column Outlet Pressure

0 psi

Detector Evaluation
Perform Detector Evaluation Test
Signal Selected
Plot {50 Hz}
Checkout Sample

Off
Signal #1: Diagnostics: Test
None

Signals	
Signal #1: Test Plot	
Description	Test Plot
Save	On
Data Rate	50 Hz
Dual Injection Assignment	Front Sample
Signal #2:	
Description	None
Signal #3:	
Description	None
Signal #4:	
Description	None
Signal #5:	
Description	None
Signal #6:	
Description	None
Signal #7:	
Description	None
Signal #8:	
Description	None

The Data Analysis Parameters of the used Method are :

Integration Events

Non signal specific Integration Events

Event	Value
Tangent Skim Mode	New Exponential
Tail Peak Skim Height Ratio	5.000
Front Peak Skim Height Ratio	5.000
Skim Valley Ratio	20.000

Baseline Correction
Peak to Valley Ratio

Advanced
500.000

Default Integration Event Table "Event"

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_ADC"

Event	Value	Time
Initial Slope Sensitivity	20.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_FID"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_TCD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_ECD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_NPD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_FPD"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_uECD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_GC"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Apply Method's Manual Integration Events: No

Specify Report

Calculate: Area Percent
Use Multiplier & Dilution Factor with ISTDs

Use Sample Data from Data File
Report mode: Classic
Destination: Screen
Quantitative Results sorted by: Signal
Report Style: Short
Sample info on each page: No
Add Chromatogram Output: Yes
Chromatogram Output: Portrait
Size in Time direction: 100 % of Page
Size in Response direction: 40 % of Page
Uncalibrated Peaks: Report with Calibrated Peaks

Signal Options

Include: Axes, Retention Times, Baselines, Tick Marks
Font: Arial, Size: 8

Ranges: Full
Multi Chromatograms: Separated, Each in full Scale

Calibration Table

General Calibration Setting

Calib. Data Modified :
Signals calculated separately : No

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.000 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.000 min
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
 Calibration Table after Recalibration
 Normal Report after Recalibration
If the sequence is done with bracketing:
 Results of first cycle (ending previous bracket)

Signal Details

Overview Table

No Entries in table

Identification Details Table

No Entries in table

Peak Sum Table

No Entries in table

Component Details Table

No Entries in table

=====

Sample related custom fields

=====

Custom Field	Type	Mand.	Default Value
--------------	------	-------	---------------

None defined

=====

Compound related custom fields

=====

Custom Field	Type	Mand.	Default Value
--------------	------	-------	---------------

None defined

Method Information

Method: C:\Users\P...uments\ChemStation\1\Methods\PTV
Methods\WASH10.M

Modified: 7/24/2024 at 10:38:00 AM

WASH RUN HELD AT ISO270C FOR 10 MINUTES.

Method Audit Trail

Operator : GLENN EVERETT
Date : 2/15/2024 5:45:27 AM
Change Info: This method was created at 2/15/2024 5:45:27 AM and based on
method 'C:\Users\Public\Documents\ChemStation\1\Methods\WASH5.M'

Operator : GLENN EVERETT
Date : 2/15/2024 5:45:37 AM
Change Info: Method saved. User comment: "10 minutes"

Operator : GLENN EVERETT
Date : 2/15/2024 5:50:29 AM
Change Info: Method saved. User comment: ""

Operator : GLENN EVERETT
Date : 2/21/2024 11:33:53 AM
Change Info: Method saved. User comment: ""

Operator : GLENN EVERETT
Date : 3/6/2024 1:27:52 PM
Change Info: Method saved. User comment: ""

Operator : GLENN EVERETT
Date : 3/7/2024 10:20:18 AM
Change Info: Method saved. User comment: ""

Operator : GLENN EVERETT
Date : 3/13/2024 11:11:42 AM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 7/24/2024 10:38:00 AM
Change Info: Method saved. User comment: ""

Run Time Checklist

Pre-Run Cmd/Macro: off

Data Acquisition: on

Standard Data Analysis: on

Modify Custom Fields: off
Customized Data Analysis: off
Save GLP Data: off
Post-Run Cmd/Macro: off
Save Method with Data: off

Injection Source and Location

Injection Source: GC Injector
Injection Location: Front

=====

Agilent 8890

=====

Module Type: GC
Module Name: Agilent 8890

GC

GC Summary

Run Time	10 min
Post Run Time	0 min

Oven

Temperature	
Setpoint	On
(Initial)	270 °C
Hold Time	10 min
Post Run	270 °C

Equilibration Time	0 min
Max Temperature	325 °C
Maximum Temperature Override	Disabled
Slow Fan	Disabled

ALS

Front Injector	
Syringe Size	50 µL
Injection Volume	3 µL
Solvent A Washes (PreInj)	3
Solvent A Washes (PostInj)	2
Solvent A Volume	15 µL
Solvent B Washes (PreInj)	3
Solvent B Washes (PostInj)	2
Solvent B Volume	15 µL
Sample Washes	1
Sample Wash Volume	5 µL
Sample Pumps	4
Dwell Time (PreInj)	0 min

Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	1500 μ L/min
Solvent Wash Dispense Speed	15000 μ L/min
Sample Wash Draw Speed	1500 μ L/min
Sample Wash Dispense Speed	15000 μ L/min
Injection Dispense Speed	30000 μ L/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Injection Type	Standard
L1 Airgap	1 μ L
Solvent Wash Mode	A, B
Sample Overlap	
Mode	Sample overlap is not enabled
Front PTV Inlet He	
Front PTV Inlet He Temperature	
Setpoint	On
(Initial)	250 $^{\circ}$ C
Hold Time	0.2 min
Program	
#1 Rate	720 $^{\circ}$ C/min
#1 Value	280 $^{\circ}$ C
#1 Hold Time	0 min
Mode	Split
Pressure	On 24.983 psi
Total Flow	On 156 mL/min
Septum Purge Flow	On 3 mL/min
Pre-Run Flow Test	On
Gas Saver	On 20 mL/min after 2 min
Split Ratio	50 :1
Split Flow	150 mL/min
Liner	A Liner has not been selected.
Back SS Inlet He	
Mode	Split
Heater	Off
Pressure	Off
Total Flow	Off
Septum Purge Flow	Off
Pre-Run Flow Test	Off
Liner	A Liner has not been selected.
Column	
Column #1	
Flow	
Setpoint	On
(Initial)	3 mL/min
Post Run	2 mL/min
Temperature Range	-60 $^{\circ}$ C-325 $^{\circ}$ C (325 $^{\circ}$ C)
Dimensions	30 m x 320 μ m x 1 μ m
(Uncalibrated)	
Column lock	Locked

In	Front PTV Inlet He
Out	Other
(Initial)	270 °C
Pressure	24.983 psi
Flow	3 mL/min
Average Velocity	57.917 cm/sec
Holdup Time	0.8633 min
Control Mode	Constant Flow
Column Outlet Pressure	0 psi
Detector Evaluation	
Perform Detector Evaluation Test	Off
Signal Selected	Signal #1: Diagnostics: Test
Plot {50 Hz}	
Checkout Sample	None
Signals	
Signal #1: Test Plot	
Description	Test Plot
Save	On
Data Rate	50 Hz
Dual Injection Assignment	Front Sample
Signal #2:	
Description	None
Signal #3:	
Description	None
Signal #4:	
Description	None
Signal #5:	
Description	None
Signal #6:	
Description	None
Signal #7:	
Description	None
Signal #8:	
Description	None

The Data Analysis Parameters of the used Method are :

Integration Events

Non signal specific Integration Events

Event	Value
Tangent Skim Mode	New Exponential
Tail Peak Skim Height Ratio	5.000
Front Peak Skim Height Ratio	5.000
Skim Valley Ratio	20.000
Baseline Correction	Advanced
Peak to Valley Ratio	500.000

Default Integration Event Table "Event"

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_ADC"

Event	Value	Time
Initial Slope Sensitivity	20.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_FID"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Solvent Peak Slope	250000.000	0.000
--------------------	------------	-------

Detector Default Integration Event Table "Event_TCD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_ECD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_NPD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_FPD"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_uECD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_GC"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Apply Method's Manual Integration Events: No

Specify Report

Calculate: Area Percent
 Use Multiplier & Dilution Factor with ISTDs

Use Sample Data from Data File

Report mode: Classic
 Destination: Screen
 Quantitative Results sorted by: Signal
 Report Style: Short
 Sample info on each page: No
 Add Chromatogram Output: Yes
 Chromatogram Output: Portrait
 Size in Time direction: 100 % of Page
 Size in Response direction: 40 % of Page
 Uncalibrated Peaks: Report with Calibrated Peaks

Signal Options

=====
Include: Axes, Retention Times, Baselines, Tick Marks
Font: Arial, Size: 8

Ranges: Full
Multi Chromatograms: Separated, Each in full Scale

=====
Calibration Table
=====

General Calibration Setting

Calib. Data Modified :
Signals calculated separately : No

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.000 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.000 min
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

Signal Details

Overview Table

No Entries in table

Identification Details Table

No Entries in table

Peak Sum Table

No Entries in table

Component Details Table

No Entries in table

Sample related custom fields

Custom Field	Type	Mand.	Default Value
None defined			

Compound related custom fields

Custom Field	Type	Mand.	Default Value
None defined			

Method Information

Method: C:\Users\P...cuments\ChemStation\1\Methods\PTV
Methods\WASH5.M

Modified: 7/24/2024 at 10:35:01 AM

Wash @270 for 5 minutes.

Method Audit Trail

Operator : GLENN EVERETT
Date : 2/20/2024 11:51:50 AM
Change Info: This method was created at 2/20/2024 11:51:50 AM and based on
method 'C:\Users\Public\Documents\ChemStation\1
\Methods\DRUGS10.M'

Operator : GLENN EVERETT
Date : 2/20/2024 11:51:51 AM
Change Info: Method saved. User comment: ""

Operator : GLENN EVERETT
Date : 2/20/2024 11:54:02 AM
Change Info: Method saved. User comment: ""

Operator : GLENN EVERETT
Date : 2/20/2024 12:35:46 PM
Change Info: Method saved. User comment: ""

Operator : GLENN EVERETT
Date : 2/21/2024 12:01:11 PM
Change Info: Method saved. User comment: ""

Operator : GLENN EVERETT
Date : 3/7/2024 10:18:37 AM
Change Info: Method saved. User comment: ""

Operator : GLENN EVERETT
Date : 3/13/2024 11:10:12 AM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 7/24/2024 10:34:47 AM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 7/24/2024 10:35:01 AM
Change Info: Method saved. User comment: ""

Run Time Checklist

Pre-Run Cmd/Macro: off
Data Acquisition: on
Standard Data Analysis: on
Modify Custom Fields: off
Customized Data Analysis: off
Save GLP Data: off
Post-Run Cmd/Macro: off
Save Method with Data: off

Injection Source and Location

Injection Source: GC Injector
Injection Location: Front

Agilent 8890

Module Type: GC
Module Name: Agilent 8890
GC

GC Summary

Run Time	5 min
Post Run Time	0 min

Oven

Temperature	
Setpoint	On
(Initial)	270 °C
Hold Time	5 min
Post Run	270 °C

Equilibration Time	0 min
Max Temperature	325 °C
Maximum Temperature Override	Disabled
Slow Fan	Disabled

ALS

Front Injector	
Syringe Size	50 µL
Injection Volume	3 µL
Solvent A Washes (PreInj)	3
Solvent A Washes (PostInj)	2
Solvent A Volume	15 µL
Solvent B Washes (PreInj)	3
Solvent B Washes (PostInj)	2

Solvent B Volume	15 µL
Sample Washes	1
Sample Wash Volume	5 µL
Sample Pumps	4
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	1500 µL/min
Solvent Wash Dispense Speed	15000 µL/min
Sample Wash Draw Speed	1500 µL/min
Sample Wash Dispense Speed	15000 µL/min
Injection Dispense Speed	30000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Injection Type	Standard
L1 Airgap	1 µL
Solvent Wash Mode	A, B
Sample Overlap	
Mode	Sample overlap is not enabled
Front PTV Inlet He	
Front PTV Inlet He Temperature	
Setpoint	On
(Initial)	250 °C
Hold Time	0.2 min
Program	
#1 Rate	720 °C/min
#1 Value	250 °C
#1 Hold Time	0 min
Excluded from Readiness	***Excluded from Affecting GC's
Readiness State***	
Mode	Split
Pressure	On 24.983 psi
Total Flow	On 12 mL/min
Septum Purge Flow	On 3 mL/min
Pre-Run Flow Test	On
Gas Saver	On 20 mL/min after 2 min
Split Ratio	2 :1
Split Flow	6 mL/min
Liner	A Liner has not been selected.
Back SS Inlet He	
Mode	Split
Heater	Off
Pressure	Off
Total Flow	Off
Septum Purge Flow	Off
Pre-Run Flow Test	Off
Liner	A Liner has not been selected.
Column	
Column #1	
Flow	
Setpoint	On

(Initial)	3 mL/min
Post Run	2 mL/min
Temperature Range	-60 °C-325 °C (325 °C)
Dimensions	30 m x 320 µm x 1 µm
(Uncalibrated)	
Column lock	Locked
In	Front PTV Inlet He
Out	Other
(Initial)	270 °C
Pressure	24.983 psi
Flow	3 mL/min
Average Velocity	57.917 cm/sec
Holdup Time	0.8633 min
Control Mode	Constant Flow
Column Outlet Pressure	0 psi
Detector Evaluation	
Perform Detector Evaluation Test	Off
Signal Selected	Signal #1: Diagnostics: Test
Plot {50 Hz}	
Checkout Sample	None
Signals	
Signal #1: Test Plot	
Description	Test Plot
Save	On
Data Rate	50 Hz
Dual Injection Assignment	Front Sample
Signal #2:	
Description	None
Signal #3:	
Description	None
Signal #4:	
Description	None
Signal #5:	
Description	None
Signal #6:	
Description	None
Signal #7:	
Description	None
Signal #8:	
Description	None

The Data Analysis Parameters of the used Method are :

Integration Events

Non signal specific Integration Events

Event	Value
Tangent Skim Mode	New Exponential
Tail Peak Skim Height Ratio	5.000
Front Peak Skim Height Ratio	5.000
Skim Valley Ratio	20.000
Baseline Correction	Advanced
Peak to Valley Ratio	500.000

Default Integration Event Table "Event"

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_ADC"

Event	Value	Time
Initial Slope Sensitivity	20.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_FID"

Event	Value	Time
-------	-------	------

Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_TCD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_ECD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_NPD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_FPD"

Event	Value	Time
-------	-------	------

Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_uECD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_GC"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Apply Method's Manual Integration Events: No

Specify Report

Calculate: Area Percent
Use Multiplier & Dilution Factor with ISTDs

Use Sample Data from Data File
Report mode: Classic
Destination: Screen
Quantitative Results sorted by: Signal
Report Style: Short
Sample info on each page: No
Add Chromatogram Output: Yes
Chromatogram Output: Portrait

Size in Time direction: 100 % of Page
Size in Response direction: 40 % of Page
Uncalibrated Peaks: Report with Calibrated Peaks

Signal Options

Include: Axes, Retention Times, Baselines, Tick Marks
Font: Arial, Size: 8

Ranges: Full
Multi Chromatograms: Separated, Each in full Scale

Calibration Table

General Calibration Setting

Calib. Data Modified :
Signals calculated separately : No

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.000 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.000 min
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

Signal Details

Overview Table

No Entries in table

Identification Details Table

No Entries in table

Peak Sum Table

No Entries in table

Component Details Table

No Entries in table

Sample related custom fields

Custom Field	Type	Mand.	Default Value
None defined			

Compound related custom fields

Custom Field	Type	Mand.	Default Value
None defined			

Method Information

Method: C:\Users\P...ments\ChemStation\1\Methods\PTV
Methods\STANDBY.M

Modified: 7/24/2024 at 10:28:50 AM

Standby method.

Method Audit Trail

Operator : SYSTEM

Date : 7/24/2024 10:28:49 AM

Change Info: This method was created at 7/24/2024 10:28:49 AM and based on
method 'C:\Users\Public\Documents\ChemStation\1\Methods\PTV
Methods\SD.M'

Operator : SYSTEM

Date : 7/24/2024 10:28:50 AM

Change Info: Method saved. User comment: ""

Run Time Checklist

Pre-Run Cmd/Macro: off

Data Acquisition: on

Standard Data Analysis: on

Modify Custom Fields: off

Customized Data Analysis: off

Save GLP Data: off

Post-Run Cmd/Macro: off

Save Method with Data: off

Injection Source and Location

Injection Source: GC Injector

Injection Location: Front

Module Type: GC
Module Name: Agilent 8890
GC

GC Summary

Run Time 6 min
Post Run Time 0 min

Oven

Temperature
Setpoint On
(Initial) 60 °C
Hold Time 1 min
Post Run 270 °C
Program
#1 Rate 70 °C/min
#1 Value 270 °C
#1 Hold Time 2 min

Equilibration Time 0 min
Max Temperature 325 °C
Maximum Temperature Override Disabled
Slow Fan Disabled

ALS

Front Injector
Syringe Size 50 µL
Injection Volume 1 µL
Solvent A Washes (PreInj) 3
Solvent A Washes (PostInj) 2
Solvent A Volume 15 µL
Solvent B Washes (PreInj) 3
Solvent B Washes (PostInj) 2
Solvent B Volume 15 µL
Sample Washes 1
Sample Wash Volume 5 µL
Sample Pumps 4
Dwell Time (PreInj) 0 min
Dwell Time (PostInj) 0 min
Solvent Wash Draw Speed 1500 µL/min
Solvent Wash Dispense Speed 15000 µL/min
Sample Wash Draw Speed 1500 µL/min
Sample Wash Dispense Speed 15000 µL/min
Injection Dispense Speed 30000 µL/min
Viscosity Delay 0 sec
Sample Depth Disabled
Injection Type Standard
L1 Airgap 1 µL
Solvent Wash Mode A, B

Sample Overlap
Mode

Sample overlap is not enabled

Front PTV Inlet He
Front PTV Inlet He Temperature

Setpoint	On
(Initial)	70 °C
Hold Time	0 min
Program	
#1 Rate	125 °C/min
#1 Value	125 °C
#1 Hold Time	5 min
#2 Rate	720 °C/min
#2 Value	250 °C
#2 Hold Time	0 min

Excluded from Readiness
Readiness State***

Mode
Pressure
Total Flow
Septum Purge Flow
Pre-Run Flow Test
Gas Saver
Split Ratio
Split Flow
Liner

***Excluded from Affecting GC's

Split
On 13.827 psi
On 12 mL/min
On 3 mL/min
Off
On 20 mL/min after 2 min
2 :1
6 mL/min
A Liner has not been selected.

Back SS Inlet He
Mode
Heater
Pressure
Total Flow
Septum Purge Flow
Pre-Run Flow Test
Liner

Split
Off
Off
Off
Off
Off
A Liner has not been selected.

Column
Column #1
Flow
Setpoint
(Initial)
Post Run

On
3 mL/min
2 mL/min

Temperature Range
Dimensions
(Uncalibrated)
Column lock
In
Out
(Initial)
Pressure
Flow
Average Velocity
Holdup Time
Control Mode

-60 °C-325 °C (325 °C)
30 m x 320 µm x 1 µm
Locked
Front PTV Inlet He
Other
60 °C
13.827 psi
3 mL/min
46.261 cm/sec
1.0808 min
Constant Flow

Column Outlet Pressure

0 psi

Detector Evaluation
Perform Detector Evaluation Test

Off

Signal Selected
Checkout Sample

No Signal Selected
None

Signals
Signal #1:
Description

None

Signal #2:
Description

None

Signal #3:
Description

None

Signal #4:
Description

None

Signal #5:
Description

None

Signal #6:
Description

None

Signal #7:
Description

None

Signal #8:
Description

None

The Data Analysis Parameters of the used Method are :

=====
Integration Events
=====

Non signal specific Integration Events

Event	Value
Tangent Skim Mode	New Exponential
Tail Peak Skim Height Ratio	5.000
Front Peak Skim Height Ratio	5.000
Skim Valley Ratio	20.000
Baseline Correction	Advanced

Peak to Valley Ratio

500.000

Default Integration Event Table "Event"

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_ADC"

Event	Value	Time
Initial Slope Sensitivity	20.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_FID"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_TCD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Detector Default Integration Event Table "Event_ECD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_NPD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_FPD"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_uECD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.080	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_GC"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	250000.000	0.000

Apply Method's Manual Integration Events: No

Specify Report

Calculate: Area Percent
Use Multiplier & Dilution Factor with ISTDs

Use Sample Data from Data File

Report mode: Classic
Destination: Screen
Quantitative Results sorted by: Signal
Report Style: Short
Sample info on each page: No
Add Chromatogram Output: Yes
Chromatogram Output: Portrait
Size in Time direction: 100 % of Page
Size in Response direction: 40 % of Page
Uncalibrated Peaks: Report with Calibrated Peaks

Signal Options

Include: Axes, Retention Times, Baselines, Tick Marks
Font: Arial, Size: 8

Ranges: Full
Multi Chromatograms: Separated, Each in full Scale

Calibration Table

General Calibration Setting

Calib. Data Modified :
Signals calculated separately : No

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.000 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.000 min
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
 Calibration Table after Recalibration
 Normal Report after Recalibration
If the sequence is done with bracketing:
 Results of first cycle (ending previous bracket)

Signal Details

Overview Table

No Entries in table

Identification Details Table

No Entries in table

Peak Sum Table

No Entries in table

Component Details Table

No Entries in table

=====

Sample related custom fields

=====

Custom Field	Type	Mand.	Default Value
--------------	------	-------	---------------

None defined

=====

Compound related custom fields

=====

Custom Field	Type	Mand.	Default Value
--------------	------	-------	---------------

None defined