REVIEWED
By Anne Nord at 7:16 pm, Oct 17, 2019

10/15/2019

Worklist: 3758

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2019-4146	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2019-4265	4	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2019-4285	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2019-4386	3	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2019-4438	8	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2019-2558	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2019-2690	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2019-2907	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2019-2907	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2019-2961	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2019-3002	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2019-3018	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2019-3021	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2019-3026	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2019-3027	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2019-3039	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2019-3047	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2019-3048	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2019-3053	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2019-3054	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2019-3056	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ

Worklist: 3758

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
P2019-3057	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2019-3058	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2019-3059	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2019-3060	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2019-3083	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ

AM# 25: Multi-Drug Screen in Blood by LC-MS/MS

Extraction Date: 10/16/19 Analyst: Sarah Pickle
Plate lot#: 0543908 Plate Expiration: 11/28/19

Mobile phase A: 10mM Amm Form 0.5M Ammonium Hydroxide **Mobile phase B:** 0.1% Formic Acid in MeOH Ethyl Acetate LC Methanol
Blank Blood Lot: 445283-3 **Column**: Phenomenex Phenyl Hexyl (4.6x50mm, 2.6um)
LCMS-QQQ ID: 069901

Pre-Analytic:

☒ 1. Check levels of mobile phases and needle wash refill as needed. Ensure waste is not full.
☒ 2. Ensure correct column is installed and begin mobile phase flow allow to equilibrate ~ 30 minutes.

Analytic:

☒ 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
☒ 2. Pipette **250 µL blood (calibrated pipette)** in wells of analytical (standards) plate. **Pipette ID: #3**
☒ 3. Place on shaking incubator at ambient temp., 900 rpm for 15 minutes. *Shaker ID: 067105*
☒ 4. Pipette **250 µL of 0.5 M ammonium hydroxide** in wells of analytical plate.
☒ 5. Place on shaking incubator at ambient temp., 900 rpm for 15 minutes.
☒ 6. Transfer **300 µL of blood+base** mixture to corresponding wells of SLE+ plate.
☒ 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent). ***(Load at 85-100 PSI- Selector to the right)*** *Manifold ID: 067104*
☒ 8. Wait 5 minutes.
☒ 9. Add **900 µL ethyl acetate.**
☒ 10. Wait 5 minutes.
☒ 11. Apply positive pressure for approx. 10-15 seconds. ***(12-15 PSI- Selector to the left).***
☒ 12. Add **900 µL ethyl acetate.**
☒ 13. Wait 5 minutes.
☒ 14. Apply positive pressure for approx. 10-15 seconds. ***(12-15 PSI- Selector to the left).***
☒ 15. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C. *SPE Dry ID: 067103*
☒ 16. Reconstitute in **100 µL 100% LC MeOH** and heat seal plate with foil. Place in autosampler and run worklist.

Post-Analytic

☒ 1. Open quantitation software and create a new quantitation batch.
Batch Name: 101619 MDS SP Worklist path: D:\MassHunter\Data\2019\AM 25-26\101619 AM 25 26 SP
☒ 2. Make necessary changes to integration limits
☒ 3. Evaluate samples, S/N of primary transition >5 and S/N of secondary transition >3 or evaluation of peak symmetry and resolution. Within +/- 2% or 0.1 min RT of administrative control. Calculated concentration 5 or greater or 2-5 for discretionary range.
☒ 4. Did all QCs pass for each analyte? Y / N _____
☒ 5. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

COMMENTS: Reinjected the calibrator, negative control, and positive control due to Midazolam not being acquired in original injections.

Idaho State Police Forensic Services

AM #25 Blood Multi-Drug Screen by LCMS-QQQ

Methanol External Control Solution (Lot: 042719)

100 ul of 1mg/mL stock was added to each drug to 9600 ul of LC MeOH.

Component	*Source*	*Source Lot Number*	*Expiration Date*
Methanol (LCMS)	Fisher	184782	
Morphine	Cerilliant	FE08141515	November 2020
Metoprolol	Cerilliant	FN06091510	July 2020
Flunitrazepam	Cerilliant	FE08051602	August 2021
Trazodone	Cerilliant	FN12151403	January 2020
Prepared:	04/27/19		
Prepared By:	Tamara Salazar		
Expires:	01/31/2020		

Blood External Control Solution (Lot: WS042719)

100 ul of methanol external control solution was added to 9900 ul of blood. Approximately 50ng/mL of each compound.

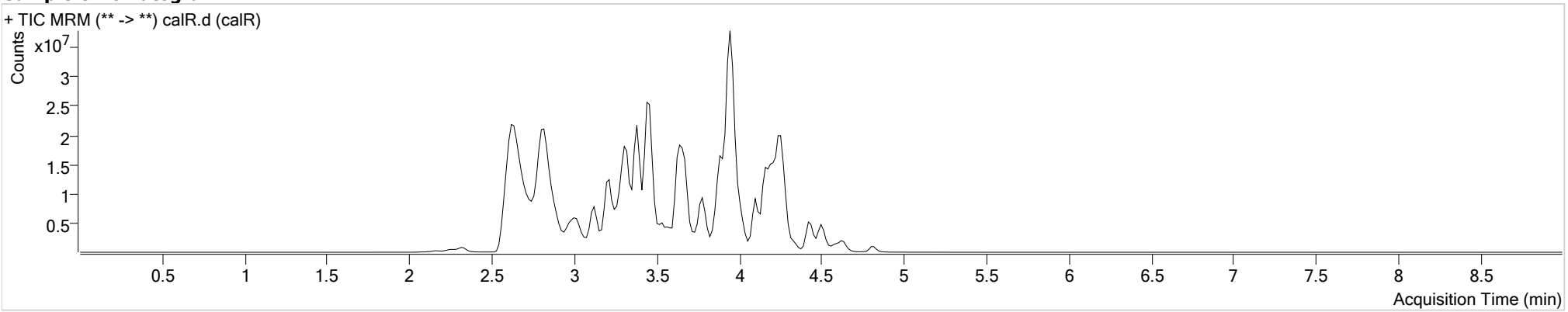
Component	*Source*	*Source Lot Number*
Negative Blood	Hemostat	445283-1
Methanol External Control Solution		042719
Prepared:	04/27/19	
Prepared by:	Tamara Salazar	
Expires:	01/31/2020	

AM #25 Multi-Drug Screen Results

Batch results D:\MassHunter\Data\2019\AM 25-26\101619 AM 25 26 SP\QuantResults\101619 MDS SP.batch.bin
Calibration Last Update 10/17/2019 1:14:57 PM

Instrument	Falco	**Data File**	calR.d
Type	Cal	**Sample**	calR
Acq. Method	am 25 all.m	**Operator**	
Sample Position	P1-A9	**Comment**	
Injection Volume	5		
Acq. Date-Time	10/16/2019 1:26:44 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
6-MAM	2.768	23243	114.32	1904.83	525045	10.0000
7-aminoclonazepam	3.521	462978	543.34	538.96	1767114	10.0000
7-aminoflunitrazepam	3.750	1158973	13015.17	112.22	6304018	10.0000
Acetyl Fentanyl	3.639	207744	1203.02	124261.47	16474769	10.0000
Acetyl Norfentanyl	2.793	138932	1110.32	324.72	5589062	10.0000
a-hydroxyalprazolam	4.484	42384	31.64	17950.85	212822	10.0000
alpha-hydroxymidazolam	4.451	562114	447.69	23253.10	3965533	10.0000
alpha-PVP	3.389	4033912	58804.91	416.18	16291107	10.0000
Alprazolam	4.594	746923	∞	258.71	1796902	10.0000
Amitriptyline	4.291	2447162	∞	338.44	5692055	10.0000
Amphetamine	2.782	1734919	∞	24.20	3470799	10.0000
Benzoylecgonine	3.351	512408	81.72	143146.91	2341267	10.0000
Buprenorphine	3.927	189703	155.41	12821.34	989492	10.0000
Bupropion	3.587	2241528	2902.32	1795.29	6885836	10.0000
Carbamazepine	4.203	2169226	∞	∞	14345533	10.0000
Carisoprodol	4.185	270254	1623.21	30.59	1676123	10.0000
Chlordiazepoxide	4.518	219501	∞	439.94	5639528	10.0000
Chlorpheniramine	3.797	20681	97.29	3769.96	35759429	10.0000

AM #25 Multi-Drug Screen Results

Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Citalopram	3.946	1133524	980413.27	2475.78	5394390	10.0000
Clonazepam	4.439	78082	207.81	18.81	144971	10.0000
Cocaine	3.442	3897498	2359904.93	565.16	17393221	10.0000
Codeine	2.666	236934	844.26	1753.86	890612	10.0000
Cyclobenzaprine	4.214	2060750	521.11	216.56	5761089	10.0000
Desipramine	4.246	2055617	2181.86	223.47	13586260	10.0000
Dextromethorphan	3.937	1104452	255.40	244306.19	5298991	10.0000
Dextrorphan	3.278	2275568	1809.63	476.57	15281730	10.0000
Diazepam	4.826	408761	506.22	431.46	2086153	10.0000
Dihydrocodeine	2.635	666707	70.70	878.85	3768789	10.0000
Diphenhydramine	3.892	6460603	∞	958.15	35759429	10.0000
Doxepin	4.012	1619530	∞	32.23	11541615	10.0000
Doxylamine	3.461	9109063	14726.80	6706.75	30797828	10.0000
EDDP	3.951	3346914	1941222.34	1126.14	21196362	10.0000
Estazolam	4.503	1480401	765.47	1649.28	4569519	10.0000
Etizolam	4.604	164039	191.37	1113.47	4569519	10.0000
Fentanyl	3.868	222437	10557.34	99951.41	11664845	10.0000
Flunitrazepam	4.547	554008	928693.78	329.72	108875	10.0000
Fluoxetine	4.210	1745441	496.74	62853.94	7821256	10.0000
Flurazepam	3.974	1217797	701.94	816.85	108875	10.0000
Hydrocodone	2.849	775990	56.77	∞	4422302	10.0000
Hydromorphone	2.323	599020	∞	∞	1973265	10.0000
Imipramine	4.243	2948136	793525.09	604.67	11029470	10.0000
Ketamine	3.219	3238816	∞	333.99	14185682	10.0000
Lamotrigine	3.386	174248	378.92	269.94	9798863	10.0000
Levamisole	2.809	3243088	408.38	6760.49	17393221	10.0000
Lorazepam	4.408	16523	1110.74	24.57	144971	10.0000
Maprotiline	4.291	2535356	63.73	286.63	5692055	10.0000
MDA	2.917	818455	441.15	136.71	3563470	10.0000
MDEA	3.129	3346077	1117.08	637.79	15624593	10.0000
MDMA	2.977	4109069	1046.08	711.52	2735420	10.0000
Meperidine	3.463	2006892	2305.09	∞	9798863	10.0000
Meprobamate	3.636	51430	63216.44	948.30	224028	10.0000
Methadone	4.255	4290532	254.89	858.86	16710082	10.0000
Methamphetamine	2.887	3241105	57.68	289.39	15656987	10.0000
Methocarbamol	3.541	176821	35.39	∞	9798863	10.0000
Methylphenidate	3.388	7840389	∞	55.12	32445360	10.0000
Metoprolol	3.323	549898	639.43	2612.43	9798863	10.0000
Midazolam	4.268	268243	2489.67	1686.96	2301704	10.0000
Mirtazapine	3.538	3001079	735.83	773.51	9798863	10.0000
Mitragynine	4.004	336315	241263.67	591.08	11541615	10.0000
Morphine	2.174	115199	∞	147.98	88103	10.0000
Norbuprenorphine	3.698	10985	11961.32	5801.13	55706	10.0000
Nordiazepam	4.676	99554	339.02	73.58	320832	10.0000

AM #25 Multi-Drug Screen Results

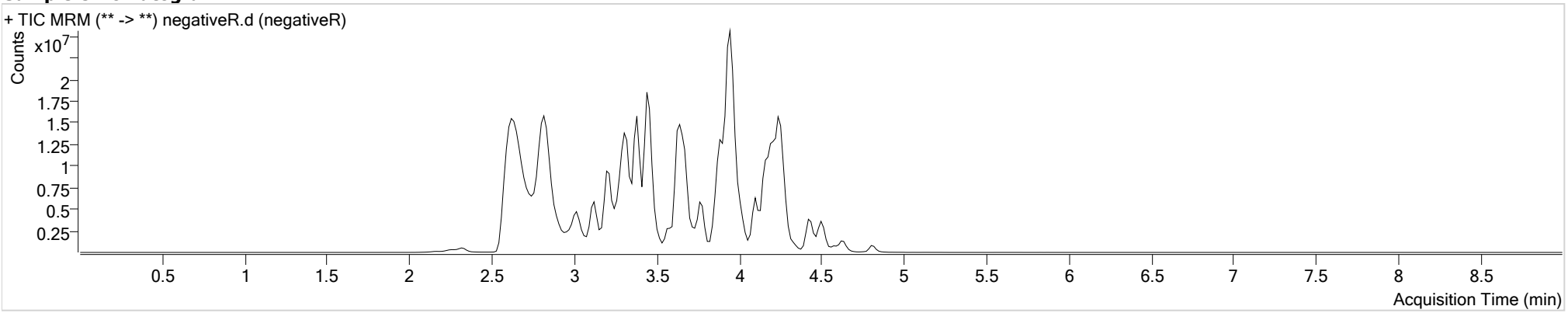
Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Norfentanyl	3.220	3304706	26757.22	892.66	13669337	10.0000
Norhydrocodone	2.835	26160	90.72	23.30	561716	10.0000
Normeperidine	3.481	1374106	363.05	230.67	4279895	10.0000
Noroxycodone	2.803	421146	31.28	951.10	1305668	10.0000
Nortriptyline	4.293	1187434	605929.19	496.47	2558058	10.0000
O-desmethyl-tramadol	2.822	7390043	32867.70	247.25	32700766	10.0000
Olanzapine	3.089	423351	45667.20	∞	74658	10.0000
Oxazepam	4.489	73260	19.08	12.78	379179	10.0000
Oxycodone	2.800	1518021	281.90	516.38	6271133	10.0000
Oxymorphone	2.243	332135	∞	384.66	1020682	10.0000
Paroxetine	4.222	121239	13.34	4577.08	7248365	10.0000
Phenazepam	4.619	128149	136.44	68743.37	670453	10.0000
Phencyclidine	3.786	3724225	974.75	1022.75	16920422	10.0000
Phentermine	3.040	828734	∞	5.90	10630218	10.0000
Phenytoin	4.109	14041	16.73	50.34	74658	10.0000
Promethazine	4.166	7344753	70073.87	385.13	28180087	10.0000
Pseudoephedrine	2.643	31539300	9803.63	4673.07	139002831	10.0000
Quetiapine	4.097	3664790	869.39	1742.52	4987317	10.0000
Sertraline	4.426	1522119	1594.03	1026.31	7248365	10.0000
Sufentanil	4.112	200657	225.99	25628.78	13625512	10.0000
Tapentadol	3.328	3375559	506.76	669.12	16336145	10.0000
Temazepam	4.641	516955	∞	∞	2845381	10.0000
Tramadol	3.308	7730294	483.09	115.32	31362982	10.0000
Trazodone	3.929	1683488	∞	750518.51	8223874	10.0000
Venlafaxine	3.674	5510403	10183.31	1348.57	26266983	10.0000
Zaleplon	4.334	751809	866.74	2550.61	1510357	10.0000
Zolpidem	3.641	6062015	2197838.34	∞	27382559	10.0000
Zopiclone	3.592	81374	186.70	37898.79	326757	10.0000

AM #25 Multi-Drug Screen Results

Batch results	D:\MassHunter\Data\2019\AM 25-26\101619 AM 25 26 SP\QuantResults\101619 MDS SP.batch.bin
Calibration Last Update	10/17/2019 1:14:57 PM

Instrument	Falco	**Data File**	negativeR.d
Type	Sample	**Sample**	negativeR
Acq. Method	am 25 all.m	**Operator**	
Sample Position	P1-C9	**Comment**	
Injection Volume	5		
Acq. Date-Time	10/16/2019 1:36:26 PM		
Sample Info.			

Sample Chromatogram

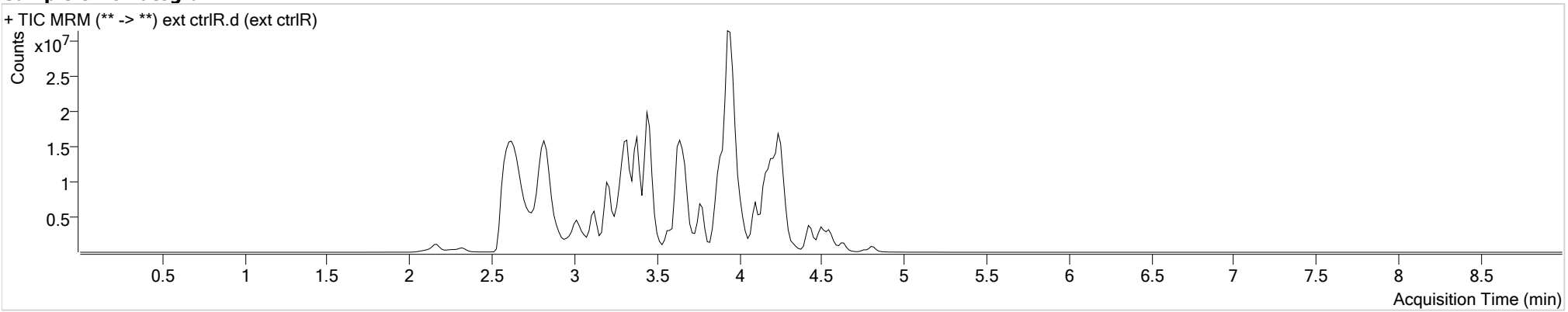


AM #25 Multi-Drug Screen Results

Batch results D:\MassHunter\Data\2019\AM 25-26\101619 AM 25 26 SP\QuantResults\101619 MDS SP.batch.bin
Calibration Last Update 10/17/2019 1:14:57 PM

Instrument	Falco	**Data File**	ext ctrlR.d
Type	Sample	**Sample**	ext ctrlR
Acq. Method	am 25 all.m	**Operator**	
Sample Position	P1-D9	**Comment**	
Injection Volume	5		
Acq. Date-Time	10/16/2019 1:45:57 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Flunitrazepam	4.547	4675322	∞	1093.24	103540	88.7392
Metoprolol	3.338	4479690	4549.83	396.41	10401191	76.7465
Morphine	2.174	1507917	450.19	592.71	68470	168.4284
Trazodone	3.929	13499723	118752.53	∞	7842559	84.0879

AM# 26: THC and Metabolites Screen in Blood by LC-MS/MS

Extraction Date: 10/16//19 Analyst: Sarah Pickle

Plate lot#: Lot # 190716 Item# IDP-108 Plate Expiration: 1/16/20

Mobile phase A: 10mM Ammonium Formate **Mobile phase B:** 0.1% Formic acid in MeOH
0.1% Formic Acid in Water MTBE Hexane
Blank Blood Lot: 445283-3 **Column**: Phenomenex Phenyl Hexyl (4.6x50mm: 2.6 um)
LCMS-QQQ ID: 069901

Pre-Analytic:

☒ 1. Check levels of mobile phases and needle wash refill as needed. Ensure waste is not full.
☒ 2. Ensure correct column is installed and begin mobile phase flow allow to equilibrate ~ 30 minutes.

Analytic:

☒ 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
☒ 2. Pipette **1000 µL blood (calibrated pipette)** in wells of analytical (standards) plate. **Pipette ID: #27**
☒ 3. Place on shaking incubator at ambient temp., 900 rpm for 15 minutes. *Shaker ID: 067105*
☒ 4. Pipette **500 µL 0.1% formic acid** in wells of analytical plate.
☒ 5. Place on shaking incubator at ambient temp., 900 rpm for 15 minutes.
☒ 6. Transfer 8**00 µL of blood+base** mixture to corresponding wells of SLE+ plate.
☒ 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent). ***(Load at 85-100 PSI- Selector to the right)*** Manifold ID: 067104
☒ 8. Wait 5 minutes.
☒ 9. Add **2.25 mL MTBE** (add in 3 increments of 750 µL).
☒ 10. Wait 5 minutes.
☒ 11. Apply positive pressure for approx. 10-15 seconds. ***(12-15 PSI- Selector to the left).***
☒ 12. Add **2.25 mL hexane** (add in 3 increments of 750 µL).
☒ 13. Wait 5 minutes.
☒ 14. Apply positive pressure for approx. 10-15 seconds. ***(12-15 PSI- Selector to the left).***
☒ 15. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C. *SPE Dry ID: 067103*
☒ 16. Reconstitute in **100 µL 100% LCMS MeOH** and heat seal plate with foil. Place in autosampler and run worklist.

Post-Analytic

☒ 1. Create batch and process data.
Worklist path: D:\MassHunter\Data\2019\AM 25-26\101619 AM 25 26 SP Batch Name: 101619 THCS SP
☒ 2. Calculated sample concentration of 3 ng/mL or greater for THC and THC-OH, a calculated sample concentration of 10 ng/mL or greater for Carboxy-THC.
☒ 3. Retention time within +/- 2% or +/-0.100 min whichever is greater of the average retention time of the calibrators.
☒ 4. Did all QCs pass for each analyte? Y / N
☒ 5. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

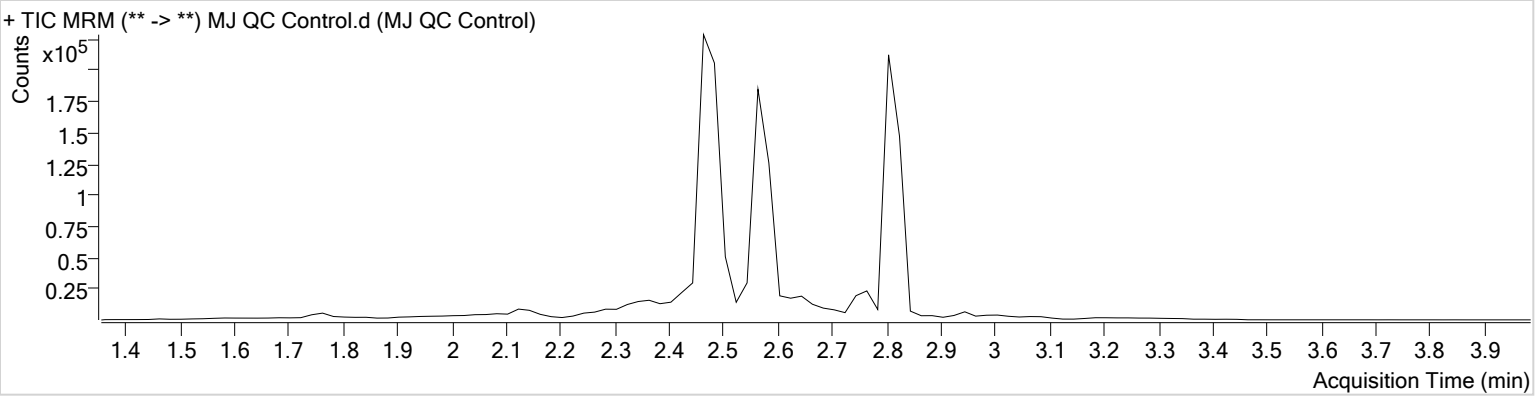
COMMENTS:

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2019\AM 25-26\101619 AM 25 26 SP\QuantResults\101619 THCS SP.batch.bin
Calibration Last Update 10/17/2019 2:29:04 PM

Instrument	69679	**Data File**	MJ QC Control.d
Type	Sample	**Sample**	MJ QC Control
Acq. Method	am 26 test.m	**Operator**	
Sample Position	P3-H1	**Comment**	
Injection Volume	10		
Acq. Date-Time	10/16/2019 7:22:14 PM		
Sample Info.			

Sample Chromatogram



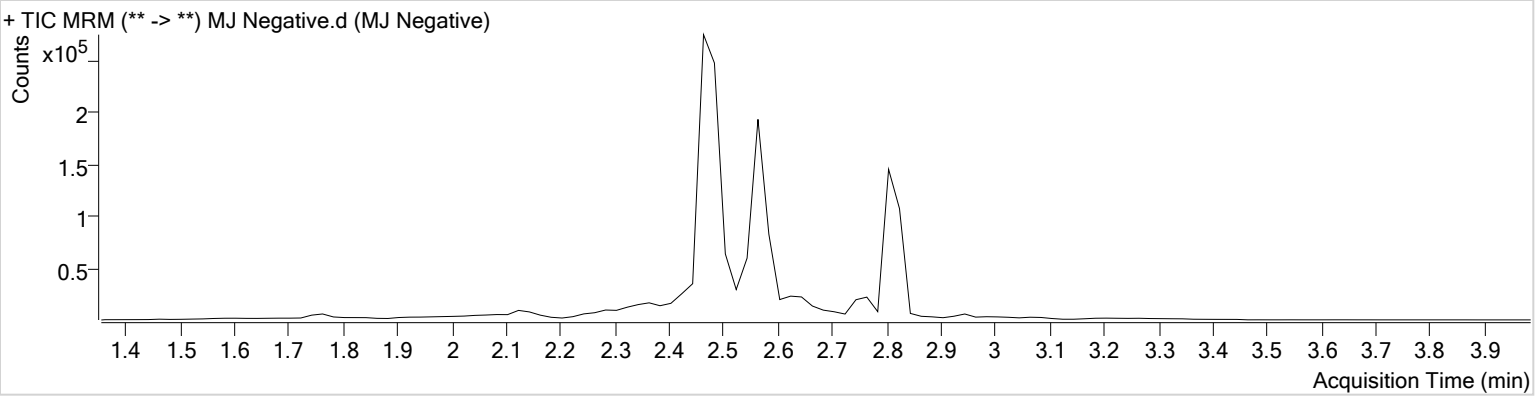
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.819	11399	407968	4.2107 ng/ml
THC-COOH	2.585	54510	245010	13.7592 ng/ml
THC-OH	2.491	28777	558786	4.6687 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2019\AM 25-26\101619 AM 25 26 SP\QuantResults\101619 THCS SP.batch.bin
Calibration Last Update 10/17/2019 2:29:04 PM

Instrument	69679	**Data File**	MJ Negative.d
Type	Sample	**Sample**	MJ Negative
Acq. Method	am 26 test.m	**Operator**	
Sample Position	P3-A2	**Comment**	
Injection Volume	10		
Acq. Date-Time	10/16/2019 7:35:17 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC-OH	2.351 **Low**	19234	722356	1.9950 ng/ml **Low**

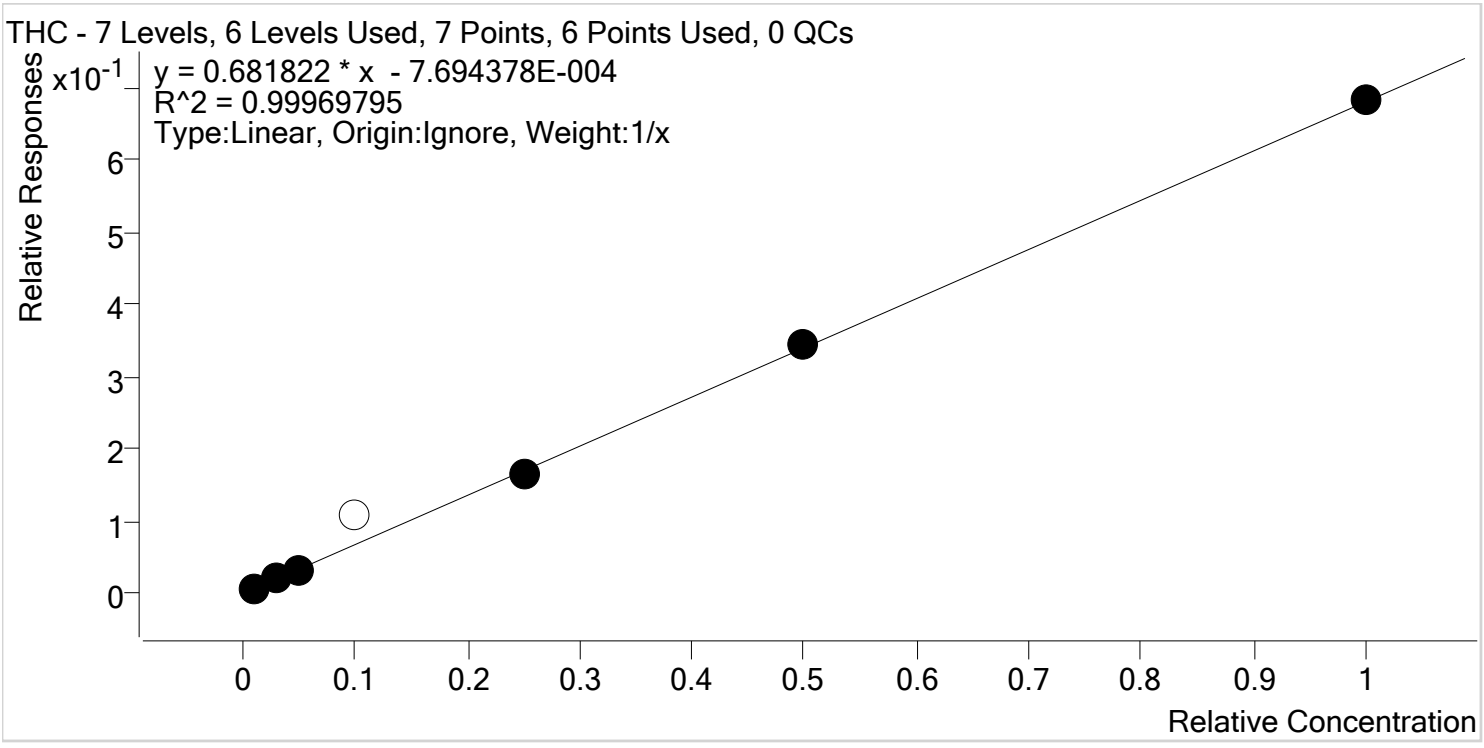
AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 25-26\101619 AM 25 26 SP\QuantResults\101619 THCS SP.batch.bin

Last Cal. Update 10/17/2019 2:29 PM

Analyst Name ISP\datastor

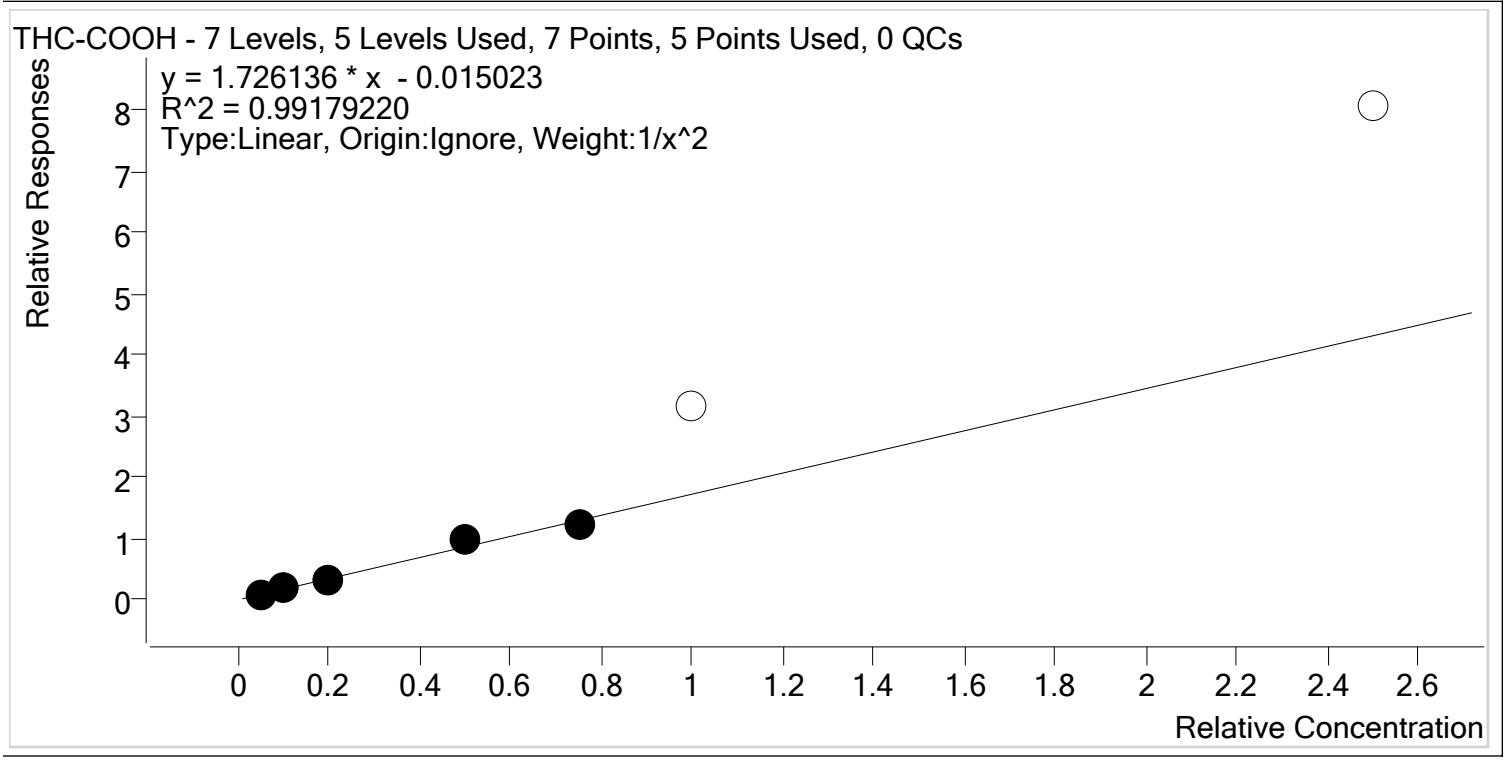
Analyte THC **Internal Standard** THC-d3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	✔	1.0	1.1	109.9
MJ Cal 2	2	✔	3.0	2.9	95.8
MJ Cal 3	3	✔	5.0	4.8	95.3
MJ Cal 4	4	✗	10.0	16.2	162.4
MJ Cal 5	5	✔	25.0	24.4	97.6
MJ Cal 6	6	✔	50.0	50.6	101.2
MJ Cal 7	7	✔	100.0	100.3	100.3

AM #26 Cannabinoids Screen Calibration Curve Report

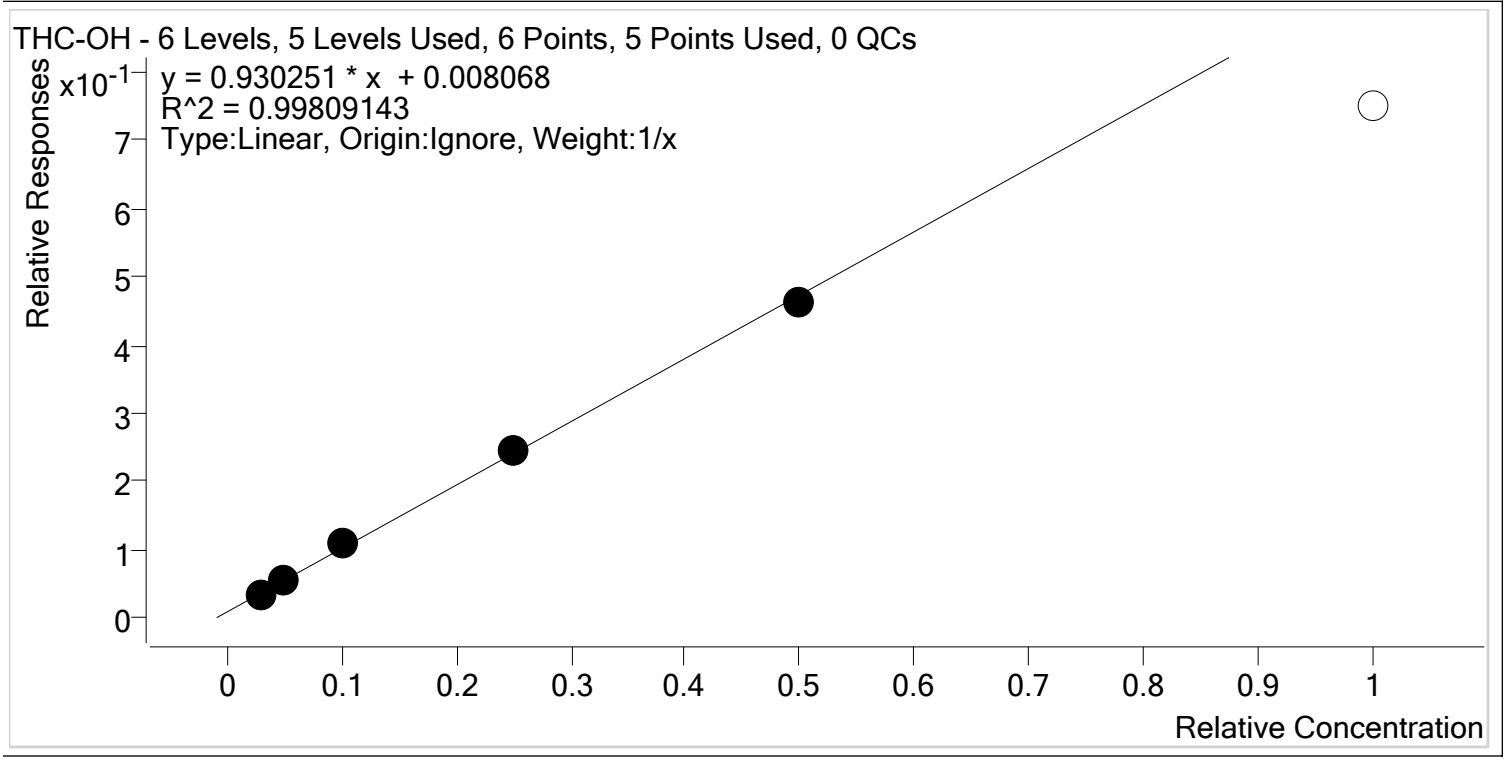
Batch results	D:\MassHunter\Data\2019\AM 25-26\101619 AM 25 26 SP\QuantResults\101619 THCS SP.batch.bin
Last Cal. Update	10/17/2019 2:29 PM
Analyst Name	ISP\datastor
Analyte	THC-COOH
Internal Standard	THC-COOH-d9



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	✔	5.0	5.1	101.3
MJ Cal 2	2	✔	10.0	9.9	98.5
MJ Cal 3	3	✔	20.0	19.0	95.0
MJ Cal 4	4	✔	50.0	55.5	111.0
MJ Cal 5	5	✔	75.0	70.6	94.2
MJ Cal 6	6	✗	100.0	184.9	184.9
MJ Cal 7	7	✗	250.0	467.3	186.9

AM #26 Cannabinoids Screen Calibration Curve Report

Batch results	D:\MassHunter\Data\2019\AM 25-26\101619 AM 25 26 SP\QuantResults\101619 THCS SP.batch.bin
Last Cal. Update	10/17/2019 2:29 PM
Analyst Name	ISP\datastor
Analyte	THC-OH
Internal Standard	THC-OH-d3



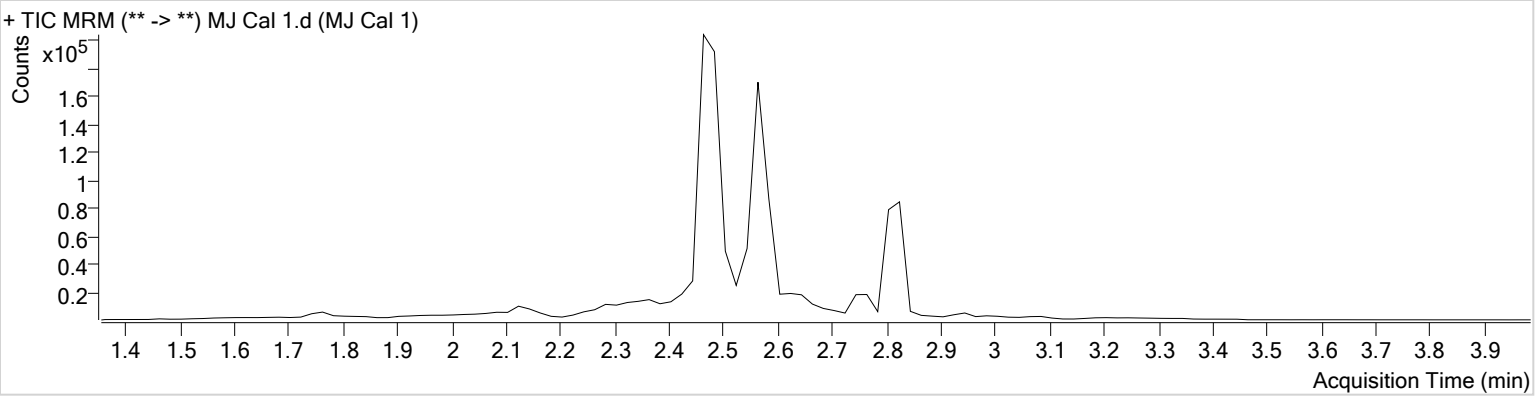
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 2	2	✔	3.0	2.8	93.6
MJ Cal 3	3	✔	5.0	4.9	98.6
MJ Cal 4	4	✔	10.0	10.8	107.8
MJ Cal 5	5	✔	25.0	25.5	102.2
MJ Cal 6	6	✔	50.0	48.9	97.9
MJ Cal 7	7	✗	100.0	79.7	79.7

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2019\AM 25-26\101619 AM 25 26 SP\QuantResults\101619 THCS SP.batch.bin
Calibration Last Update 10/17/2019 2:29:04 PM

Instrument	69679	**Data File**	MJ Cal 1.d
Type	Cal	**Sample**	MJ Cal 1
Acq. Method	am 26 test.m	**Operator**	
Sample Position	P3-A1	**Comment**	
Injection Volume	10		
Acq. Date-Time	10/16/2019 6:36:31 PM		
Sample Info.			

Sample Chromatogram



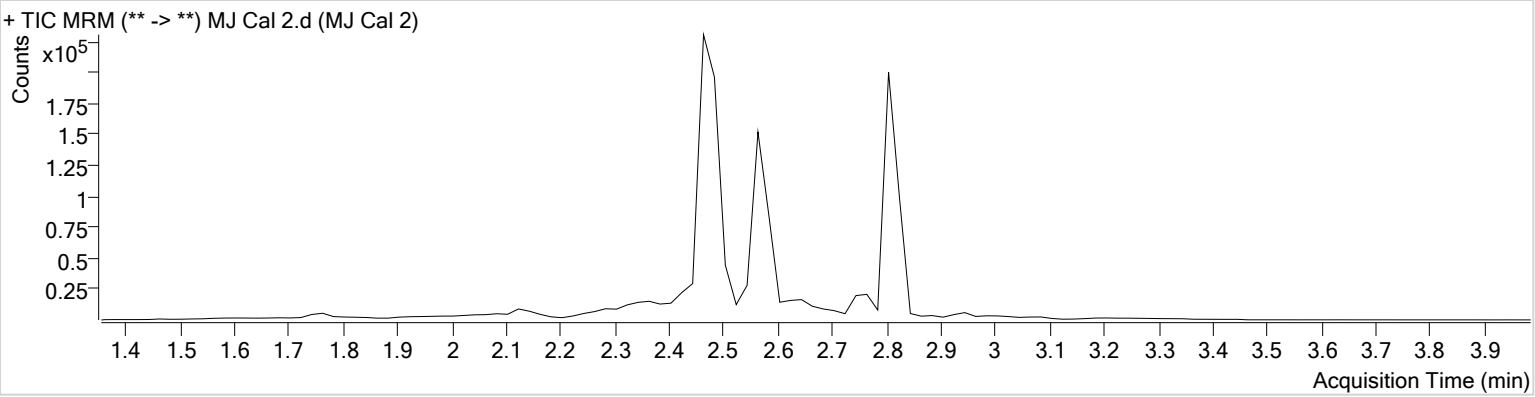
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.839	1286	191154	1.0993 ng/ml **Low**
THC-COOH	2.585	17198	237566	5.0641 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2019\AM 25-26\101619 AM 25 26 SP\QuantResults\101619 THCS SP.batch.bin
Calibration Last Update 10/17/2019 2:29:04 PM

Instrument	69679	**Data File**	MJ Cal 2.d
Type	Cal	**Sample**	MJ Cal 2
Acq. Method	am 26 test.m	**Operator**	
Sample Position	P3-B1	**Comment**	
Injection Volume	10		
Acq. Date-Time	10/16/2019 6:43:12 PM		
Sample Info.			

Sample Chromatogram



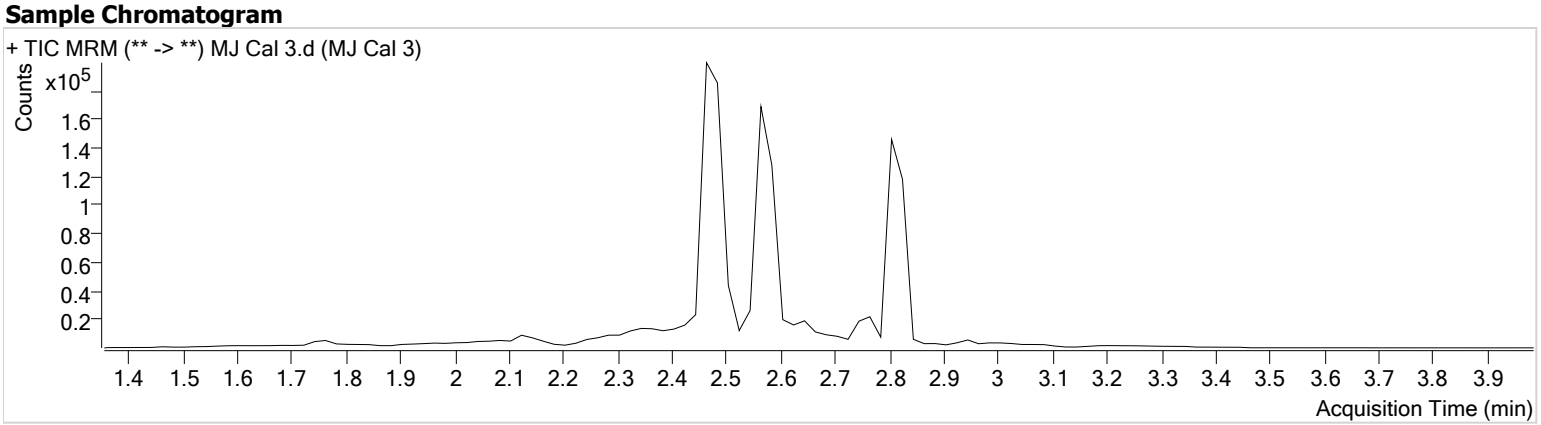
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.819	6470	343839	2.8728 ng/ml **Low**
THC-COOH	2.585	32998	212887	9.8501 ng/ml
THC-OH	2.491	18892	552747	2.8068 ng/ml **Low**

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2019\AM 25-26\101619 AM 25 26 SP\QuantResults\101619 THCS SP.batch.bin
Calibration Last Update 10/17/2019 2:29:04 PM

Instrument	69679	**Data File**	MJ Cal 3.d
Type	Cal	**Sample**	MJ Cal 3
Acq. Method	am 26 test.m	**Operator**	
Sample Position	P3-C1	**Comment**	
Injection Volume	10		
Acq. Date-Time	10/16/2019 6:49:42 PM		
Sample Info.			

Sample Chromatogram



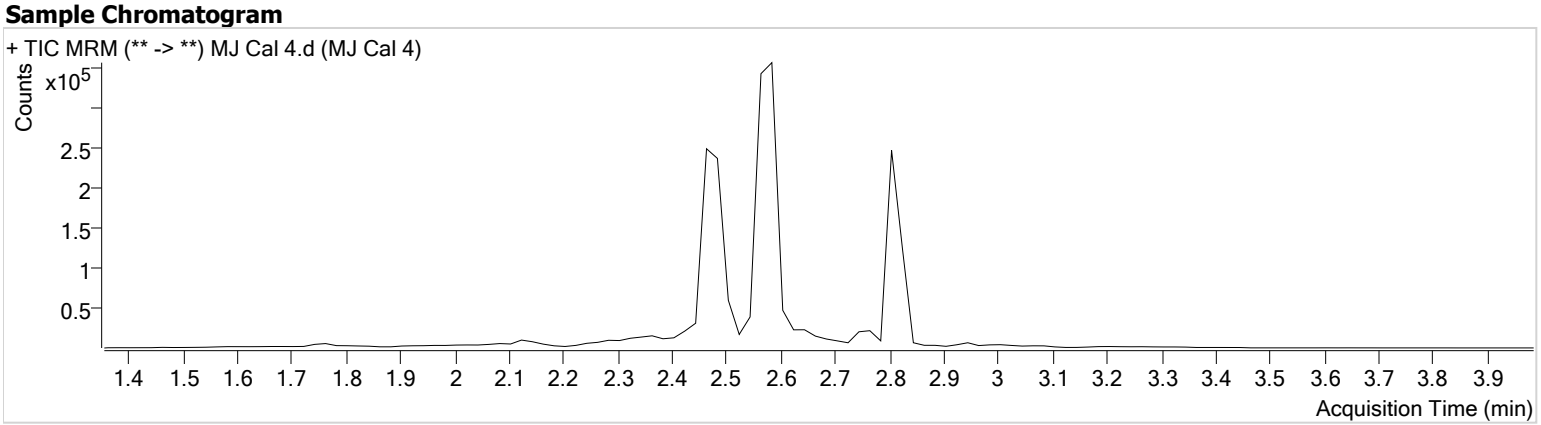
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.819	9404	296569	4.7635 ng/ml
THC-COOH	2.585	64447	205915	19.0020 ng/ml
THC-OH	2.491	26401	489661	4.9287 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2019\AM 25-26\101619 AM 25 26 SP\QuantResults\101619 THCS SP.batch.bin
Calibration Last Update 10/17/2019 2:29:04 PM

Instrument	69679	**Data File**	MJ Cal 4.d
Type	Cal	**Sample**	MJ Cal 4
Acq. Method	am 26 test.m	**Operator**	
Sample Position	P3-D1	**Comment**	
Injection Volume	10		
Acq. Date-Time	10/16/2019 6:56:12 PM		
Sample Info.			

Sample Chromatogram



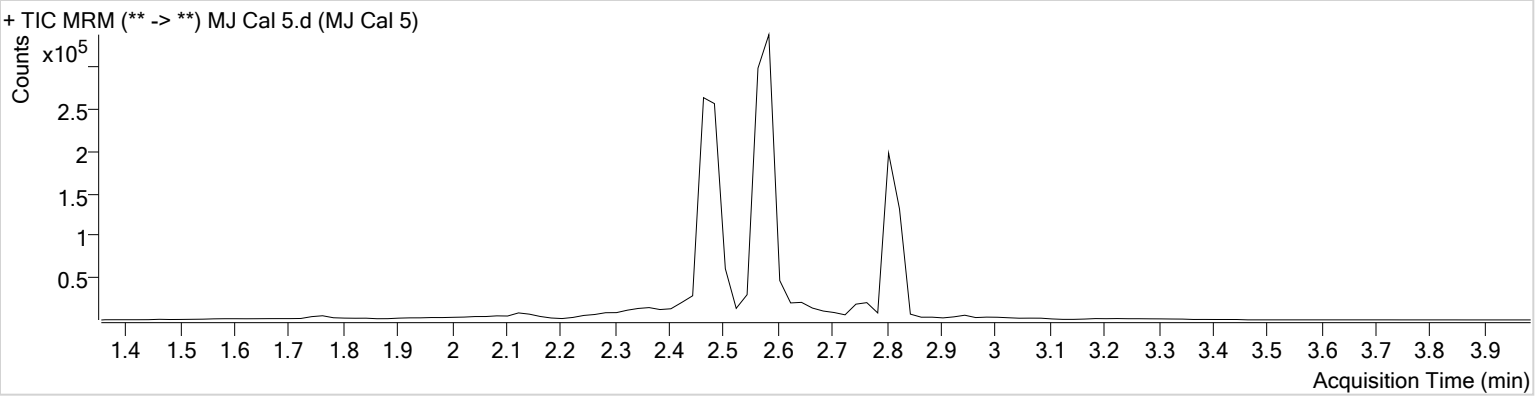
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.819	43163	392635	16.2359 ng/ml
THC-COOH	2.585	249193	264165	55.5197 ng/ml
THC-OH	2.491	60075	554414	10.7809 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2019\AM 25-26\101619 AM 25 26 SP\QuantResults\101619 THCS SP.batch.bin
Calibration Last Update 10/17/2019 2:29:04 PM

Instrument	69679	**Data File**	MJ Cal 5.d
Type	Cal	**Sample**	MJ Cal 5
Acq. Method	am 26 test.m	**Operator**	
Sample Position	P3-E1	**Comment**	
Injection Volume	10		
Acq. Date-Time	10/16/2019 7:02:42 PM		
Sample Info.			

Sample Chromatogram



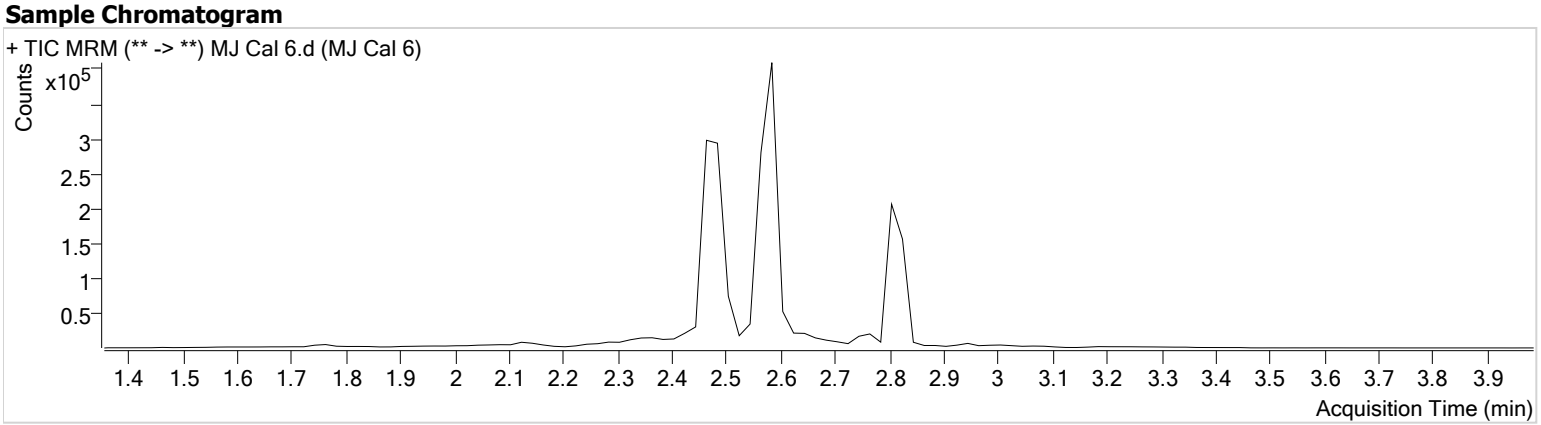
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.819	53287	321864	24.3945 ng/ml
THC-COOH	2.585	243667	202369	70.6258 ng/ml
THC-OH	2.491	133225	542213	25.5455 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2019\AM 25-26\101619 AM 25 26 SP\QuantResults\101619 THCS SP.batch.bin
Calibration Last Update 10/17/2019 2:29:04 PM

Instrument	69679	**Data File**	MJ Cal 6.d
Type	Cal	**Sample**	MJ Cal 6
Acq. Method	am 26 test.m	**Operator**	
Sample Position	P3-F1	**Comment**	
Injection Volume	10		
Acq. Date-Time	10/16/2019 7:09:12 PM		
Sample Info.			

Sample Chromatogram



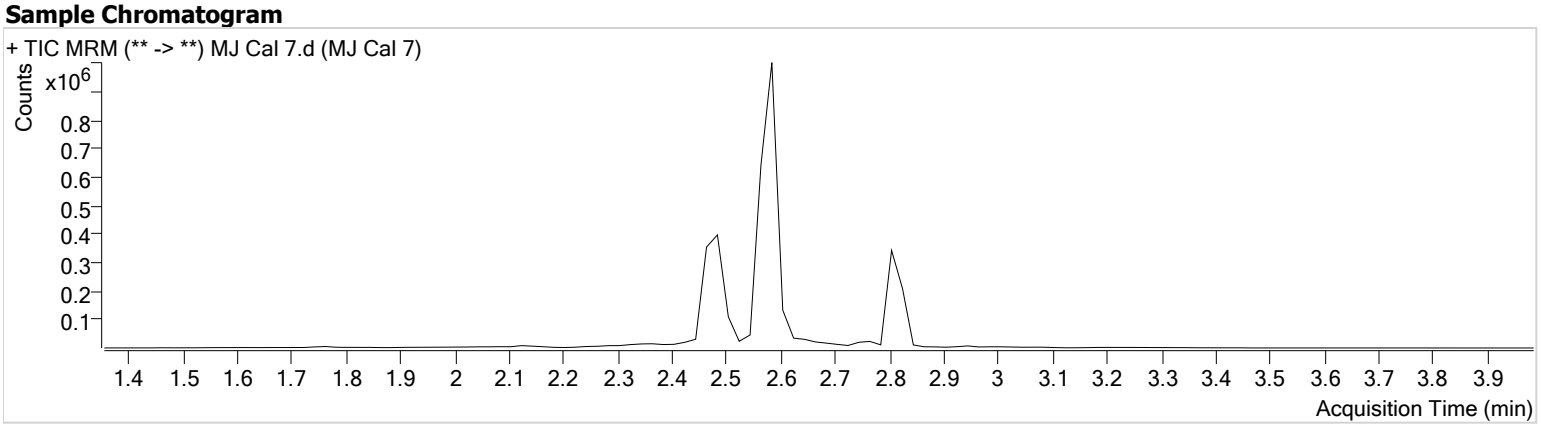
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.819	103484	300697	50.5875 ng/ml
THC-COOH	2.585	309626	97447	184.9440 ng/ml
THC-OH	2.491	234895	506987	48.9382 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2019\AM 25-26\101619 AM 25 26 SP\QuantResults\101619 THCS SP.batch.bin
Calibration Last Update 10/17/2019 2:29:04 PM

Instrument	69679	**Data File**	MJ Cal 7.d
Type	Cal	**Sample**	MJ Cal 7
Acq. Method	am 26 test.m	**Operator**	
Sample Position	P3-G1	**Comment**	
Injection Volume	10		
Acq. Date-Time	10/16/2019 7:15:43 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.819	256854	376080	100.2823 ng/ml
THC-COOH	2.585	805798	100089	467.2757 ng/ml
THC-OH	2.491	354614	472873	79.7469 ng/ml