REVIEWED
By Sarah Pickle at 9:52 am, Jan 07, 2020

1/7/2020

Worklist: 3908

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2019-5224	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2019-5430	3	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2019-5533	3	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2019-5604	3	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2019-5648	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2019-5651	3	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2019-3480	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2019-3584	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2019-3615	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2019-3682	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2019-3683	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2019-3686	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2019-3690	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2019-3691	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2019-3719	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2019-3720	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2019-3762	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2019-3766	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2019-3769	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2019-3792	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2019-3841	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ

Worklist: 3908

15

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
P2019-3842	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2019-3843	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2019-3844	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2019-3860	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2019-3867	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2019-3874	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2019-3885	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ

15

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

Extraction Date: 01/06/2020
Plate Item #: IDP-107 Plate Lot#: 190725

Analyst: Tamara Salazar
Plate Expiration: 01/25/2020

Mobile phase A: 10mM Amm Form
0.5M Ammonium Hydroxide
Blank Blood Lot: Hemostat 445283-3
LCMS-QQQ ID: 069901

Mobile phase B: 0.1% Formic Acid in MeOH
Ethyl Acetate LC Methanol
Column: Phenomenex Phenyl Hexyl (4.6x50mm, 2.6um)

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 **250µL blood (calibrated pipette) Pipette ID: 42** in wells of analytical (standards) plate.
☒ 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. *Shaker ID: 067105*
☒ 4. Pipette **250µL 00.5M ammonium hydroxide** in wells of analytical plate.
☒ 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
☒ 6. Transfer **300µL 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 **900uL ethyl acetate.**
☒ 10. Wait 5 minutes.
☒ 11. Apply positive pressure for approx. 15 seconds. ***(10-15 PSI- Selector to the left).***
☒ 12. Add **900uL ethyl acetate.**
☒ 13. Wait 5 minutes.
☒ 14. Apply positive pressure for approx. 15 seconds. ***(10-15 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 **100µL 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: AM 25 MDS
Worklist path: *D:\MassHunter\Data\2020\AM 25-26\AM 25 wklst 3908 TS*
☒ 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:

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	

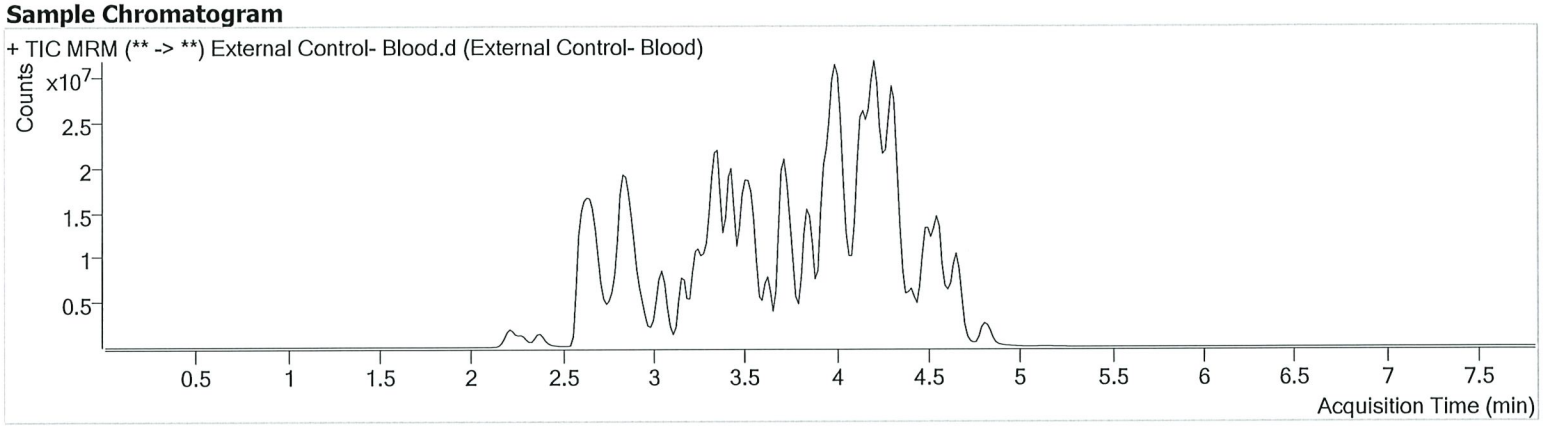
TS

AM #25 Multi-Drug Screen Results

Batch results D:\MassHunter\Data\2020\AM 25-26\ AM 25 wklst 3908 TS\QuantResults\MDS TS.batch.bin
Calibration Last Update 1/6/2020 5:56:27 PM

Instrument	Falco	**Data File**	External Control- Blood.d
Type	Sample	**Sample**	External Control- Blood
Acq. Method	am 25 all.m	**Operator**	Tamara Salazar
Sample Position	P1-E12	**Comment**	
Injection Volume	5		
Acq. Date-Time	1/6/2020 12:15:47 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Flunitrazepam	4.547	20157259	∞	223.84	443176	102.6009
Metoprolol	3.369	6399913	1798.82	3442.58	16641709	79.8257
Morphine	2.217	2334194	75459.61	∞	133721	119.1012
Trazodone	4.144	49969977	129896.15	∞	28544370	83.5728

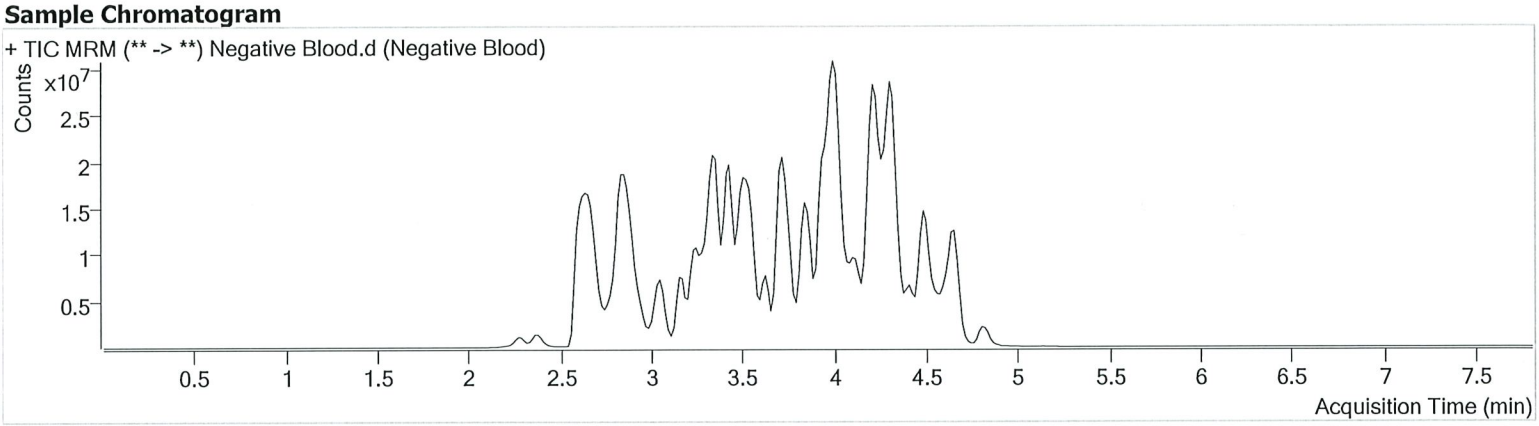
TS

AM #25 Multi-Drug Screen Results

Batch results D:\MassHunter\Data\2020\AM 25-26\ AM 25 wklst 3908 TS\QuantResults\MDS TS.batch.bin
Calibration Last Update 1/6/2020 5:56:27 PM

Instrument	Falco	**Data File**	Negative Blood.d
Type	Sample	**Sample**	Negative Blood
Acq. Method	am 25 all.m	**Operator**	Tamara Salazar
Sample Position	P1-F12	**Comment**	
Injection Volume	5		
Acq. Date-Time	1/6/2020 12:07:29 PM		
Sample Info.			

Sample Chromatogram



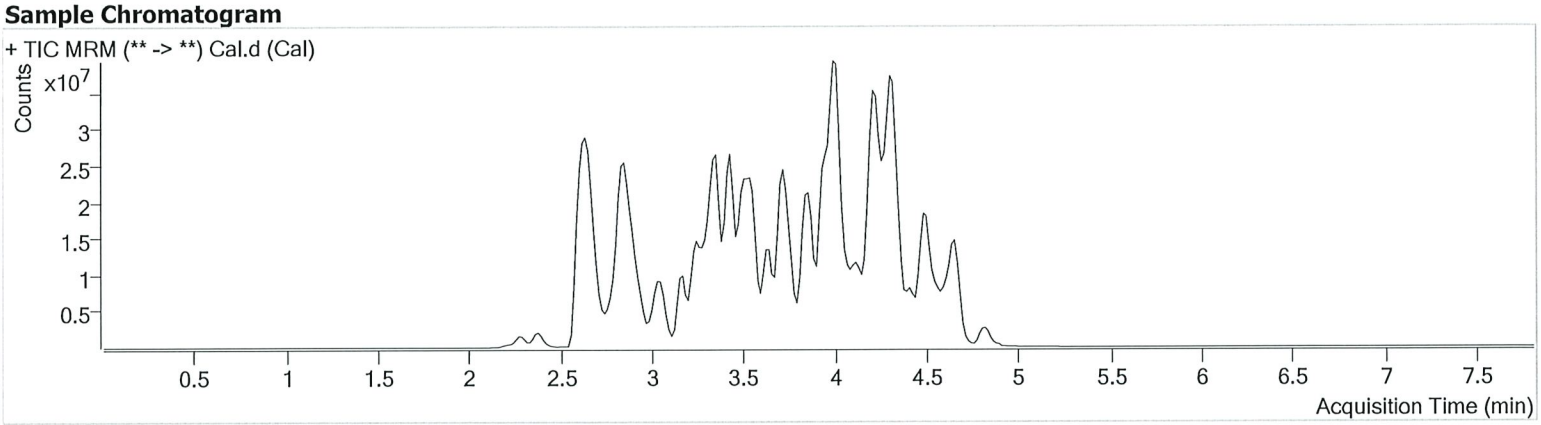
TS

AM #25 Multi-Drug Screen Results

Batch results D:\MassHunter\Data\2020\AM 25-26\ AM 25 wklst 3908 TS\QuantResults\MDS TS.batch.bin
Calibration Last Update 1/6/2020 5:56:27 PM

Instrument	Falco	**Data File**	Cal.d
Type	Cal	**Sample**	Cal
Acq. Method	am 25 all.m	**Operator**	Tamara Salazar
Sample Position	P1-H12	**Comment**	
Injection Volume	5		
Acq. Date-Time	1/6/2020 11:59:00 AM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
6-MAM	2.829	41188	205.82	50.47	1010232	10.0000
7-aminoclonazepam	3.567	1289354	244.51	313.20	5488867	10.0000
7-aminoflunitrazepam	3.780	3038524	681.29	569.47	19998091	10.0000
Acetyl Fentanyl	3.716	464743	383.01	372.06	34031101	10.0000
Acetyl Norfentanyl	2.823	304226	643.62	91.30	13720330	10.0000
a-hydroxyalprazolam	4.484	235960	155.76	75.90	1363145	10.0000
alpha-hydroxymidazolam	4.544	1934693	1169.47	14513.64	12083873	10.0000
alpha-PVP	3.436	5816979	∞	1038.75	26249859	10.0000
Alprazolam	4.594	1930888	∞	611.06	5627048	10.0000
Amitriptyline	4.353	5146040	∞	611.42	11613383	10.0000
Amphetamine	2.812	2959552	439.59	3407.83	7819149	10.0000
Benzoylecgonine	3.351	1065448	530.20	233.55	4992833	10.0000
Buprenorphine	4.111	899422	234.39	129334.38	3515588	10.0000
Bupropion	3.649	7096725	3944.80	259.33	22354089	10.0000
Carbamazepine	4.218	8044190	285.95	∞	42353593	10.0000
Carisoprodol	4.201	1217196	129743.62	119.94	6594577	10.0000
Chlordiazepoxide	4.672	609324	93.81	∞	16385934	10.0000
Chlorpheniramine	3.874	27153	17.89	12021.68	53364017	10.0000
Citalopram	3.993	3236915	1558.90	122738.16	14781562	10.0000
Clonazepam	4.439	1813688	2767.88	∞	3181825	10.0000
Cocaine	3.488	6619584	335025.54	341.21	30787803	10.0000
Codeine	2.712	463761	412.74	39.54	2103086	10.0000
Cyclobenzaprine	4.276	3674443	3845.42	276.73	12715130	10.0000
Desipramine	4.308	5594242	2702.60	1826.73	32125800	10.0000
Dextromethorphan	3.998	2141094	1090.30	190.02	10383755	10.0000
Dextrorphan	3.309	2798408	∞	1328202.01	18374964	10.0000
Diazepam	4.841	1471583	267.37	∞	7021264	10.0000
Dihydrocodeine	2.680	967591	125.51	462.94	4455608	10.0000
Diphenhydramine	3.953	11033742	∞	5085.04	53364017	10.0000
Doxepin	4.075	2557573	1458.39	∞	17131071	10.0000
Doxylamine	3.553	10533158	23287.77	8606857.44	40471753	10.0000
EDDP	4.012	3323071	182.48	688.42	22674573	10.0000
Estazolam	4.519	5714174	594.95	331.24	16670330	10.0000
Etizolam	4.619	304637	∞	459770.66	16670330	10.0000

TS

AM #25 Multi-Drug Screen Results

Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Fentanyl	3.945	380213	279.06	92.84	24332519	10.0000
Flunitrazepam	4.547	2392138	254.66	295.21	539613	10.0000
Fluoxetine	4.256	4199122	3137.14	76.33	18295092	10.0000
Flurazepam	4.051	3099624	12289.99	245.54	539613	10.0000
Hydrocodone	2.894	1441496	∞	9.07	10200340	10.0000
Hydromorphone	2.383	1293772	∞	∞	4925313	10.0000
Imipramine	4.305	6207543	∞	∞	24106903	10.0000
Ketamine	3.296	4829994	∞	∞	22384490	10.0000
Lamotrigine	3.463	382831	96.27	136.48	16019343	10.0000
Levamisole	2.855	3957233	∞	∞	30787803	10.0000
Lorazepam	4.423	765536	287.97	∞	3181825	10.0000
Maprotiline	4.353	5262178	99.21	324.59	11613383	10.0000
MDA	2.947	2491069	354.54	73.36	11036179	10.0000
MDEA	3.175	5676277	1387.90	801.48	26236948	10.0000
MDMA	3.023	6280234	∞	∞	4385577	10.0000
Meperidine	3.509	3274647	915.69	∞	16019343	10.0000
Meprobamate	3.636	578983	572.11	123.11	2326209	10.0000
Methadone	4.318	7120272	4862.39	587.28	30210895	10.0000
Methamphetamine	2.918	4529077	∞	∞	24368531	10.0000
Methocarbamol	3.541	442351	204.32	102.90	16019343	10.0000
Methylphenidate	3.435	11067442	∞	236.97	44469388	10.0000
Metoprolol	3.369	771753	596.29	3023.58	16019343	10.0000
Midazolam	4.605	707172	358.83	121108.66	8658336	10.0000
Mirtazapine	3.661	4178855	∞	737.61	16019343	10.0000
Mitragynine	4.081	352781	1673.91	72286.72	17131071	10.0000
Morphine	2.217	192364	1175.42	434.25	131251	10.0000
Norbuprenorphine	3.759	76647	36543.83	33734.04	455661	10.0000
Nordiazepam	4.676	1766634	1496.93	66.45	5616357	10.0000
Norfentanyl	3.250	8139793	15114.35	1525.04	33277394	10.0000
Norhydrocodone	2.866	30963	∞	48.68	1170754	10.0000
Normeperidine	3.527	2459197	841.27	∞	9140654	10.0000
Noroxycodone	2.833	990715	49.81	293.46	3067968	10.0000
Nortriptyline	4.355	2721329	191427.50	217.46	6522253	10.0000
O-desmethyl-tramadol	2.852	9169912	485.50	123.74	41486685	10.0000
Olanzapine	3.120	14933	3472.75	25.51	592806	10.0000
Oxazepam	4.489	2821602	∞	417.16	19089689	10.0000
Oxycodone	2.846	2518304	527.24	205.94	10676697	10.0000
Oxymorphone	2.288	1204862	566.24	252.68	4369400	10.0000
Paroxetine	4.283	486141	332.08	∞	14514641	10.0000
Phenazepam	4.634	1303590	737.45	440.61	6216682	10.0000
Phencyclidine	3.847	6056682	23680.24	47986.04	27399624	10.0000
Phentermine	3.070	1852115	147.22	15.59	21986464	10.0000
Phenytoin	4.109	130676	∞	211.01	592806	10.0000
Promethazine	4.243	10636768	805.35	10006.62	38109269	10.0000
Pseudoephedrine	2.643	50196177	15128.17	∞	119230378	10.0000
Quetiapine	4.205	3602578	∞	1762.97	5519377	10.0000
Sertraline	4.487	2827920	58.42	240.64	14514641	10.0000
Sufentanil	4.205	300657	358.92	105.05	20972911	10.0000
Tapentadol	3.374	4874920	1200.81	700.32	25290774	10.0000
Temazepam	4.656	3789690	∞	119.89	18897580	10.0000
Tramadol	3.354	11394224	1706.38	114.66	43996954	10.0000
Trazodone	4.144	6375926	∞	17816.62	30438249	10.0000
Venlafaxine	3.720	8188297	∞	1624.36	39991368	10.0000
Zaleplon	4.349	2388070	310.99	∞	5168635	10.0000
Zolpidem	3.870	8733615	862726.92	∞	40932738	10.0000
Zopiclone	3.760	498157	156559.16	814.04	2616774	10.0000

Cal

15

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

Extraction Date: 12/26/19 Analyst: Tamara Salazar

Plate lot# IDP-108, 190716 Plate Expiration: 01/16/20

Mobile phase A: 10mM Ammonium Formate 0.1% Formic Acid in Water MTBE **Mobile phase B:** 0.1% Formic acid in MeOH 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.
☒ 3. Create worklist:

Analytic:

☒ 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
☒ 2. Pipette **1000 µL blood (calibrated pipette) Pipette ID: 27** in wells of analytical (standards) plate.
☒ 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. *Shaker ID: 067105*
☒ 4. Pipette **500 µL 0.1% formic acid** for blood in wells of analytical plate.
☒ 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
☒ 6. Transfer **800 µL of blood+base** mixture to corresponding wells of SLE+ plate.
☒ 7. Apply positive pressure for approx. 4 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 750uL).
☒ 10. Wait 5 minutes.
☒ 11. Apply positive pressure for approx. 15 seconds. ***(10-15 PSI- Selector to the left).***
☒ 12. Add **2.25 mL hexane** (add in 3 increments of 750uL).
☒ 13. Wait 5 minutes.
☒ 14. Apply positive pressure for approx. 15 seconds. ***(10-15 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 **100µL 100% 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\122619 THCS wklst 3908 TS*
Batch Name: *THCS TS*
☒ 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 +/-.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:

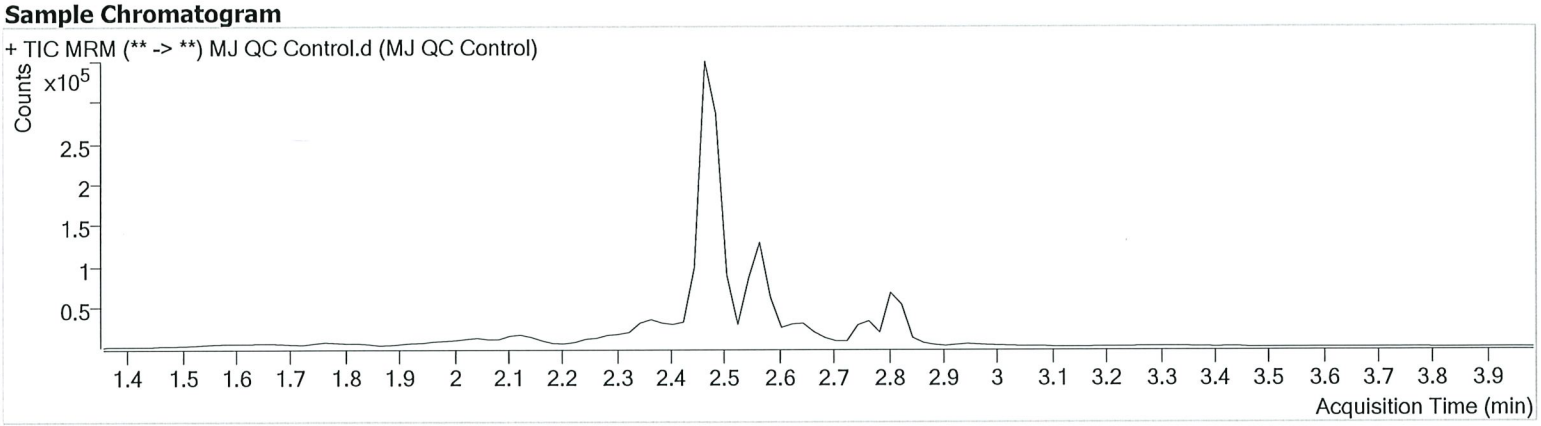
15

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2019\AM 25-26\122619 THCS wklst 3908 TS\QuantResults\THCS TS.batch.bin
Calibration Last Update 1/7/2020 9:39:39 AM

Instrument	Falco	**Data File**	MJ QC Control.d
Type	Sample	**Sample**	MJ QC Control
Acq. Method	am 26 test.m	**Operator**	Tamara Salazar
Sample Position	P3-H1	**Comment**	
Injection Volume	10		
Acq. Date-Time	12/26/2019 11:34:05 AM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	2.819	4032	126786	4.4236	ng/ml
THC-COOH	2.565	41167	180830	15.3662	ng/ml
THC-OH	2.471	6050	896239	4.7266	ng/ml

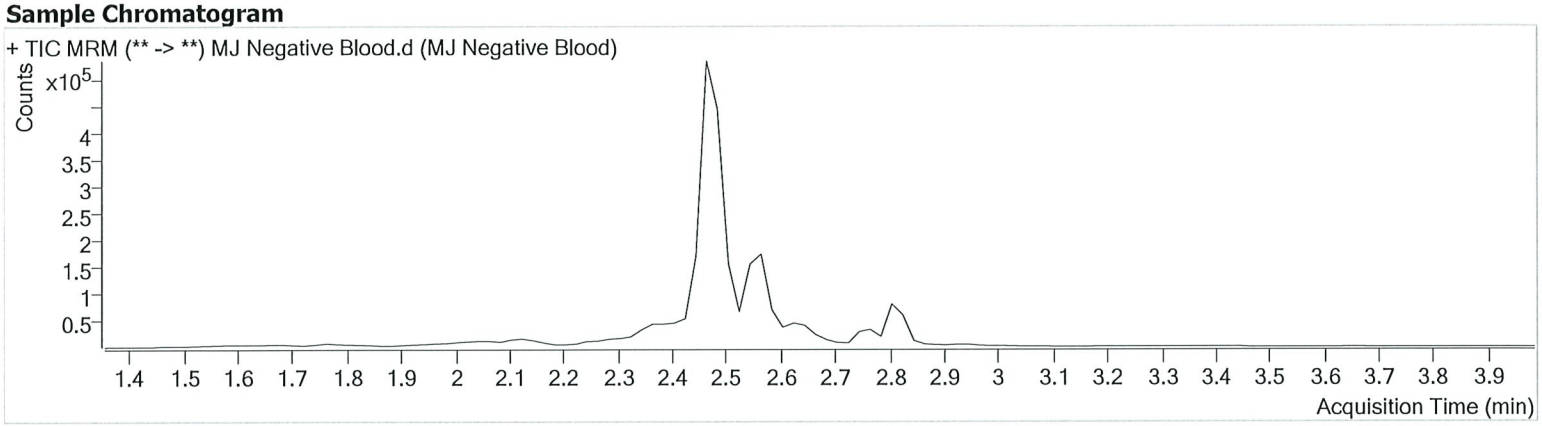
15

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2019\AM 25-26\122619 THCS wklst 3908 TS\QuantResults\THCS TS.batch.bin
Calibration Last Update 1/7/2020 9:39:39 AM

Instrument	Falco	**Data File**	MJ Negative Blood.d
Type	Sample	**Sample**	MJ Negative Blood
Acq. Method	am 26 test.m	**Operator**	Tamara Salazar
Sample Position	P3-A2	**Comment**	
Injection Volume	10		
Acq. Date-Time	12/26/2019 11:47:08 AM		
Sample Info.			

Sample Chromatogram



15

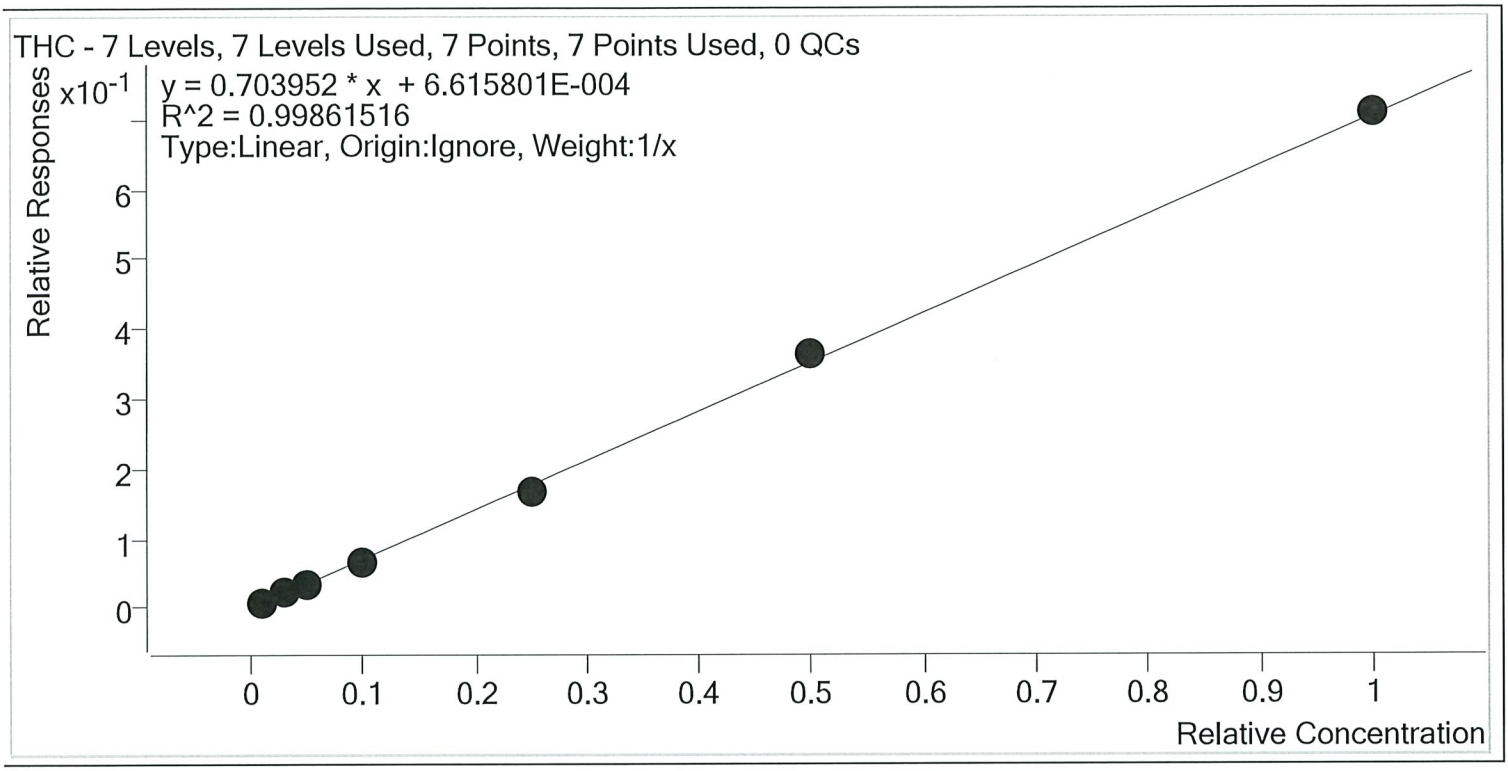
AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 25-26\122619 THCS wklst 3908 TS\QuantResults\THCS TS.batch.bin

Last Cal. Update 1/7/2020 9:39 AM

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	113.0
MJ Cal 2	2	✓	3.0	3.0	99.6
MJ Cal 3	3	✓	5.0	4.8	95.3
MJ Cal 4	4	✓	10.0	9.5	94.9
MJ Cal 5	5	✓	25.0	23.3	93.2
MJ Cal 6	6	✓	50.0	51.7	103.4
MJ Cal 7	7	✓	100.0	100.6	100.6

B

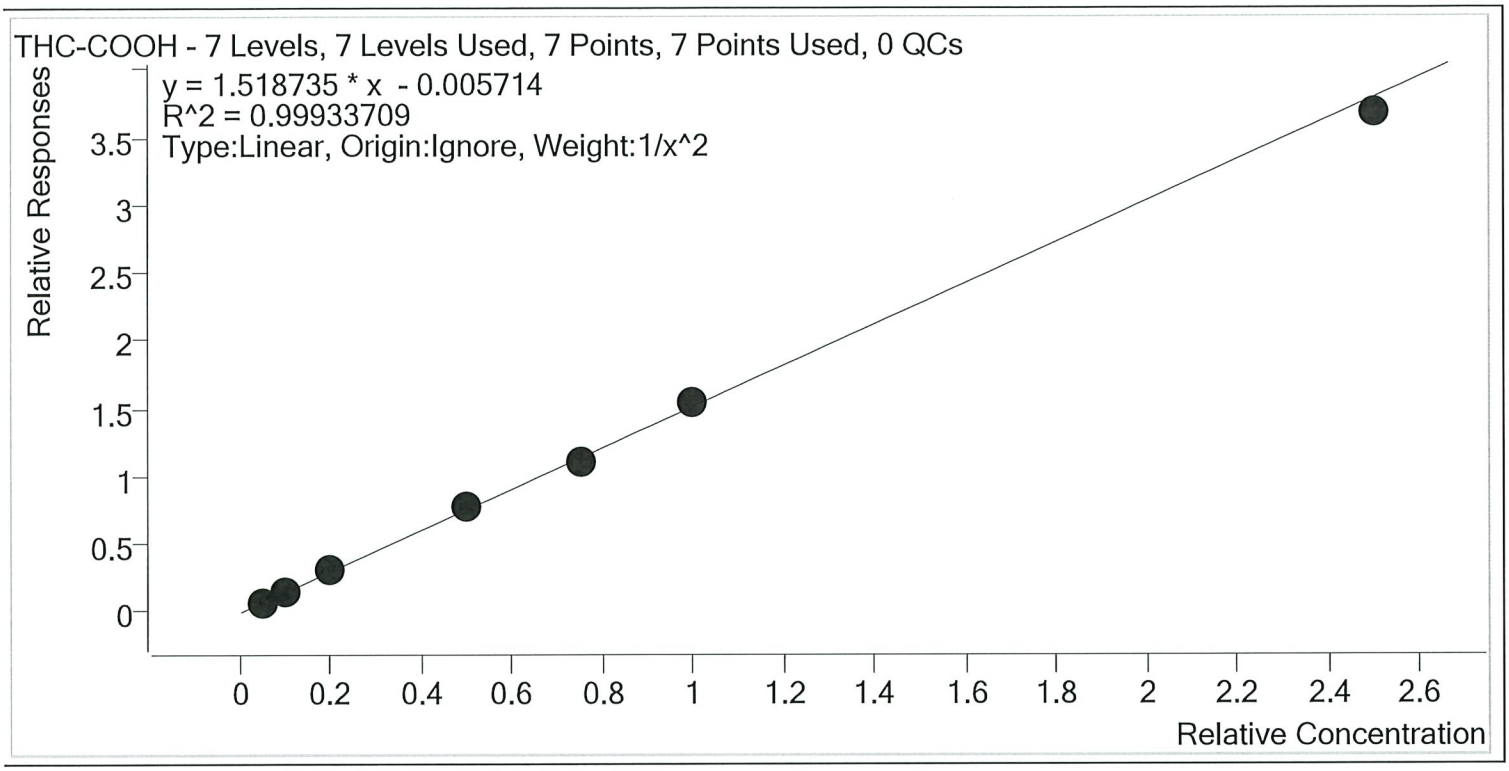
AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 25-26\122619 THCS wklst 3908 TS\QuantResults\THCS TS.batch.bin

Last Cal. Update 1/7/2020 9:39 AM

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	5.0	100.5
MJ Cal 2	2	✓	10.0	9.8	97.9
MJ Cal 3	3	✓	20.0	20.3	101.5
MJ Cal 4	4	✓	50.0	51.3	102.7
MJ Cal 5	5	✓	75.0	74.1	98.9
MJ Cal 6	6	✓	100.0	101.6	101.6
MJ Cal 7	7	✓	250.0	242.5	97.0

TS

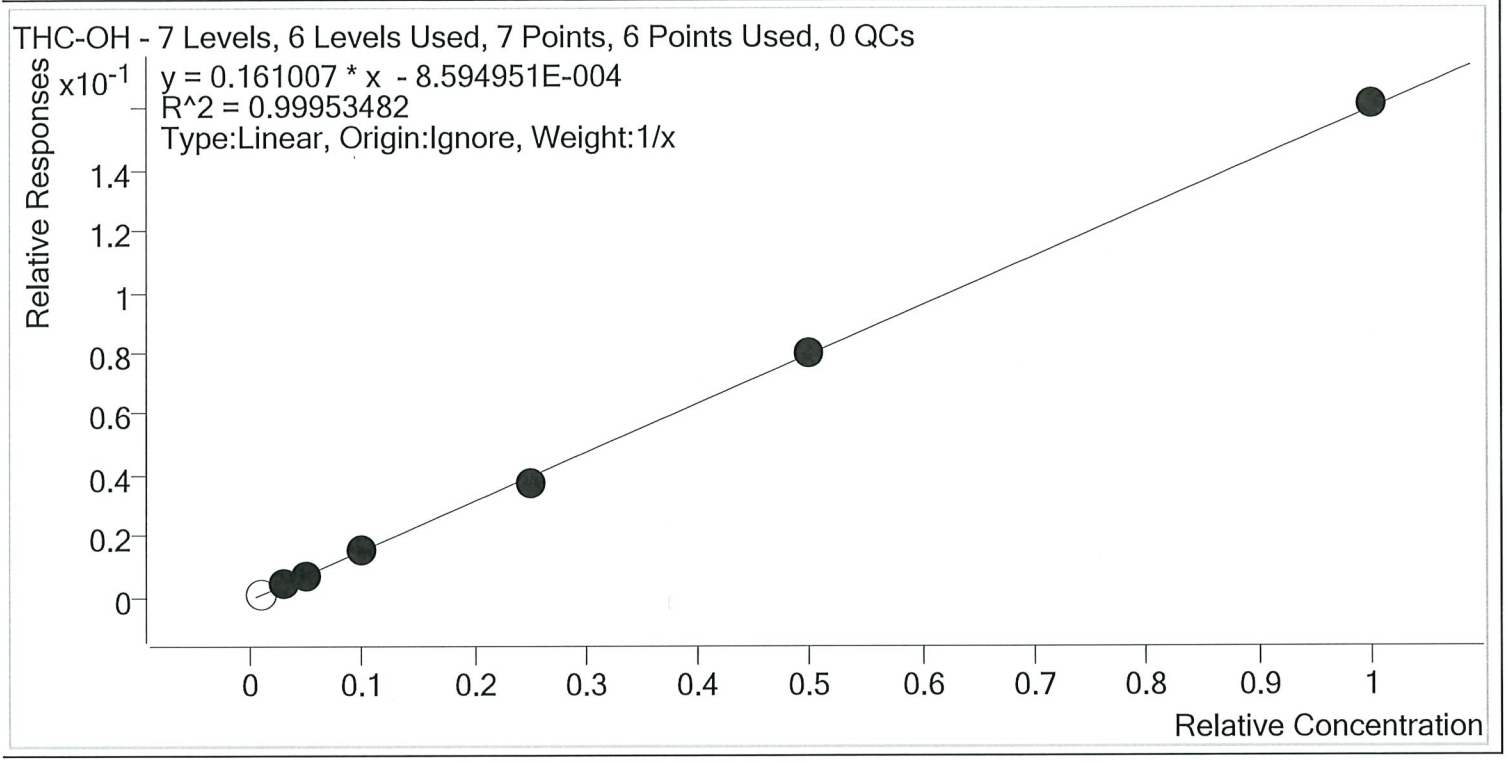
AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 25-26\122619 THCS wklst 3908 TS\QuantResults\THCS TS.batch.bin

Last Cal. Update 1/7/2020 9:39 AM

Analyst Name ISP\Datastor

Analyte THC-OH **Internal Standard** THC-OH-d3



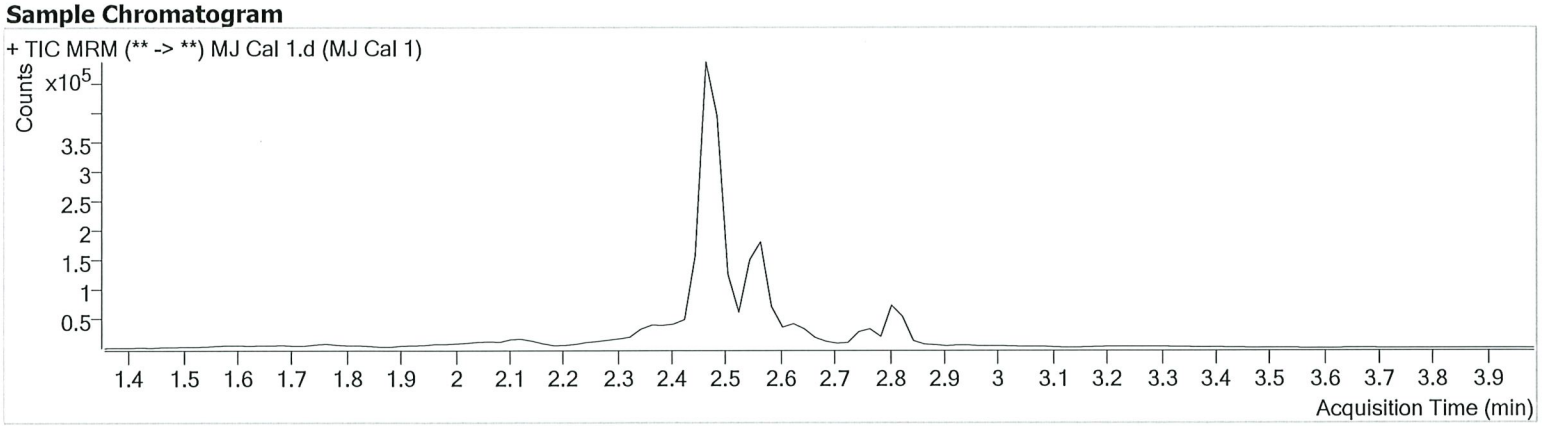
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	×	1.0	1.1	114.5
MJ Cal 2	2	✓	3.0	3.1	103.7
MJ Cal 3	3	✓	5.0	4.9	98.8
MJ Cal 4	4	✓	10.0	10.1	101.0
MJ Cal 5	5	✓	25.0	23.9	95.4
MJ Cal 6	6	✓	50.0	50.1	100.2
MJ Cal 7	7	✓	100.0	100.9	100.9

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2019\AM 25-26\122619 THCS wklst 3908 TS\QuantResults\THCS TS.batch.bin
Calibration Last Update 1/7/2020 9:39:39 AM

Instrument	Falco	**Data File**	MJ Cal 1.d
Type	Cal	**Sample**	MJ Cal 1
Acq. Method	am 26 test.m	**Operator**	Tamara Salazar
Sample Position	P3-A1	**Comment**	
Injection Volume	10		
Acq. Date-Time	12/26/2019 10:48:22 AM		
Sample Info.			

Sample Chromatogram



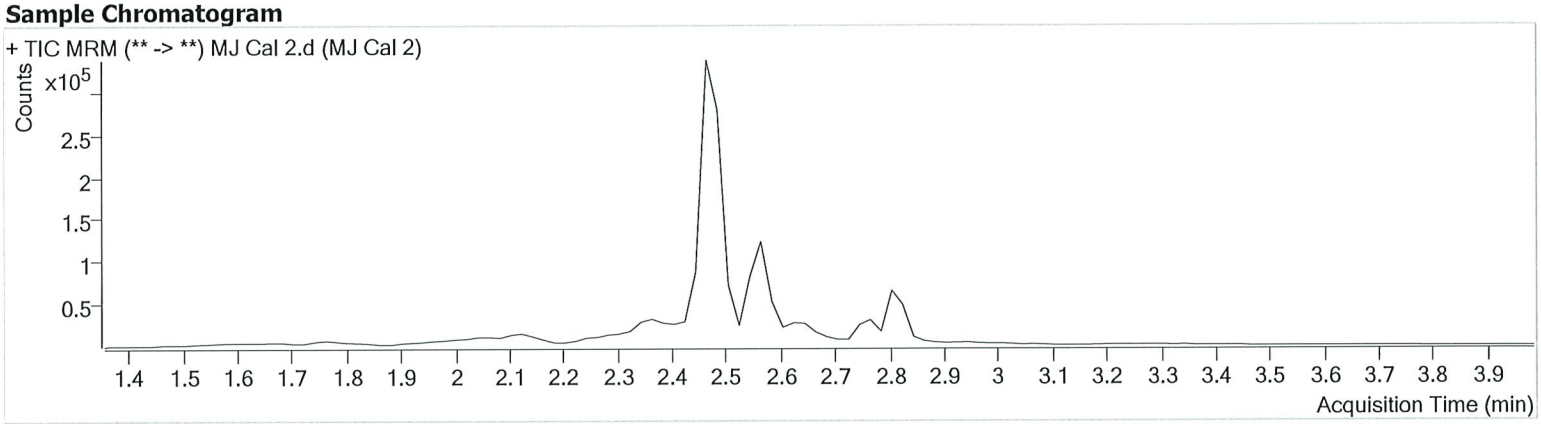
Name	RT	Resp.	ISTD Resp.	Final Conc.		
THC	2.819	1181	137094	1.1302	ng/ml	**Low**
THC-COOH	2.565	21372	302835	5.0232	ng/ml	
THC-OH	2.471	1302	1322458	1.1452	ng/ml	**Low**

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2019\AM 25-26\122619 THCS wklst 3908 TS\QuantResults\THCS TS.batch.bin
Calibration Last Update 1/7/2020 9:39:39 AM

Instrument	Falco	**Data File**	MJ Cal 2.d
Type	Cal	**Sample**	MJ Cal 2
Acq. Method	am 26 test.m	**Operator**	Tamara Salazar
Sample Position	P3-B1	**Comment**	
Injection Volume	10		
Acq. Date-Time	12/26/2019 10:55:02 AM		
Sample Info.			

Sample Chromatogram



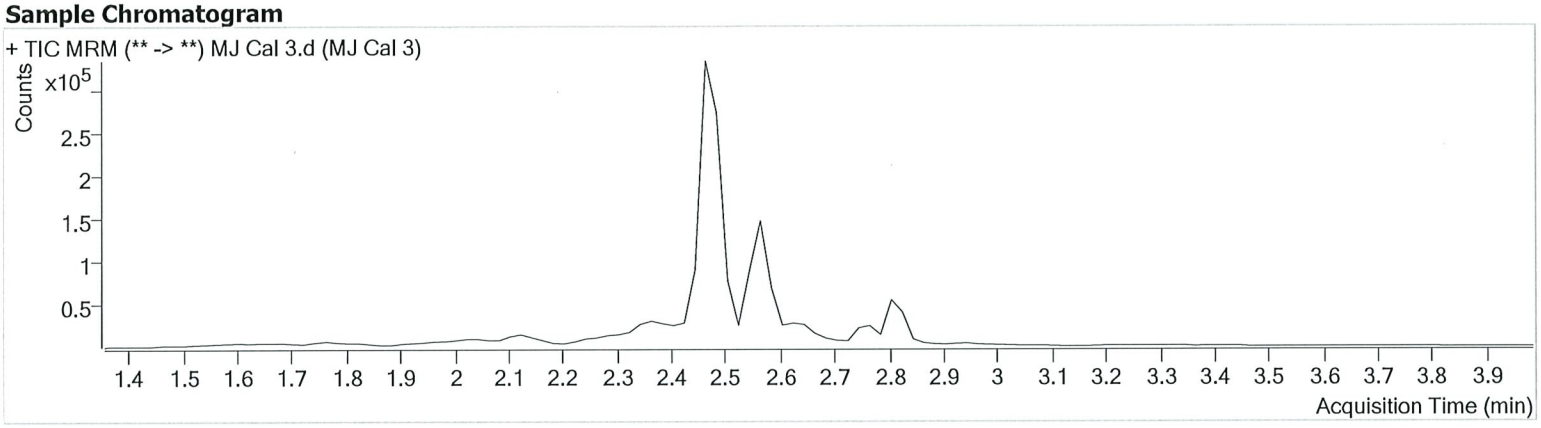
Name	RT	Resp.	ISTD Resp.	Final Conc.		
THC	2.819	2544	117297	2.9870	ng/ml	Low
THC-COOH	2.565	27718	193838	9.7918	ng/ml	
THC-OH	2.471	3377	814202	3.1096	ng/ml	

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2019\AM 25-26\122619 THCS wklst 3908 TS\QuantResults\THCS TS.batch.bin
Calibration Last Update 1/7/2020 9:39:39 AM

Instrument	Falco	**Data File**	MJ Cal 3.d
Type	Cal	**Sample**	MJ Cal 3
Acq. Method	am 26 test.m	**Operator**	Tamara Salazar
Sample Position	P3-C1	**Comment**	
Injection Volume	10		
Acq. Date-Time	12/26/2019 11:01:33 AM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	2.819	3394	99205	4.7654	ng/ml
THC-COOH	2.565	55573	183731	20.2921	ng/ml
THC-OH	2.471	5680	800304	4.9422	ng/ml

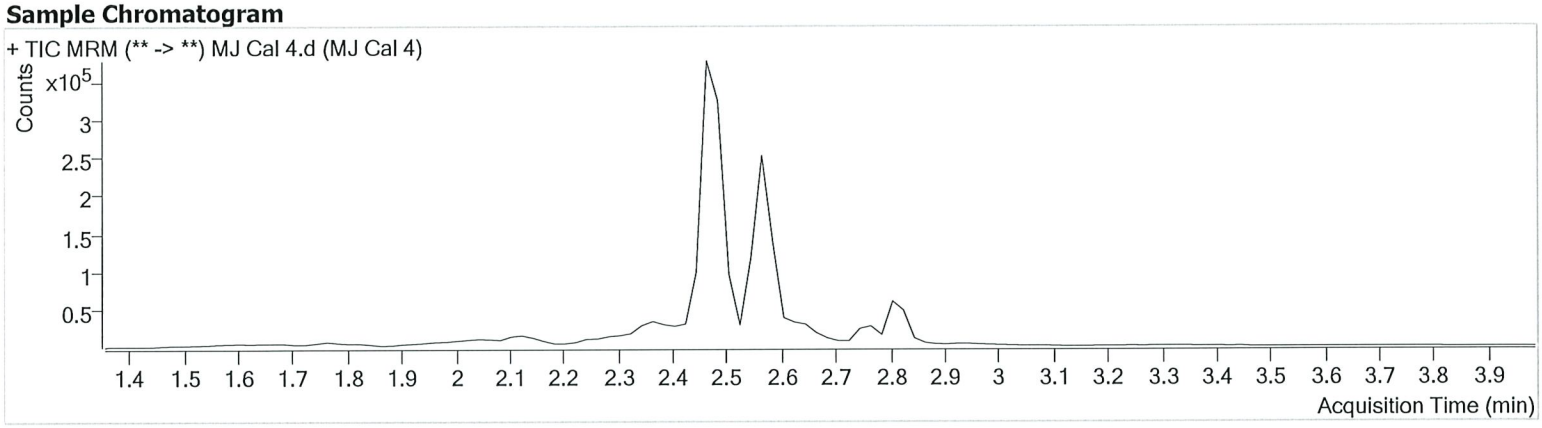
AM #26 Cannabinoids Screen Results

TS

Batch results	D:\MassHunter\Data\2019\AM 25-26\122619 THCS wklst 3908 TS\QuantResults\THCS TS.batch.bin
Calibration Last Update	1/7/2020 9:39:39 AM

Instrument	Falco	**Data File**	MJ Cal 4.d
Type	Cal	**Sample**	MJ Cal 4
Acq. Method	am 26 test.m	**Operator**	Tamara Salazar
Sample Position	P3-D1	**Comment**	
Injection Volume	10		
Acq. Date-Time	12/26/2019 11:08:04 AM		
Sample Info.			

Sample Chromatogram



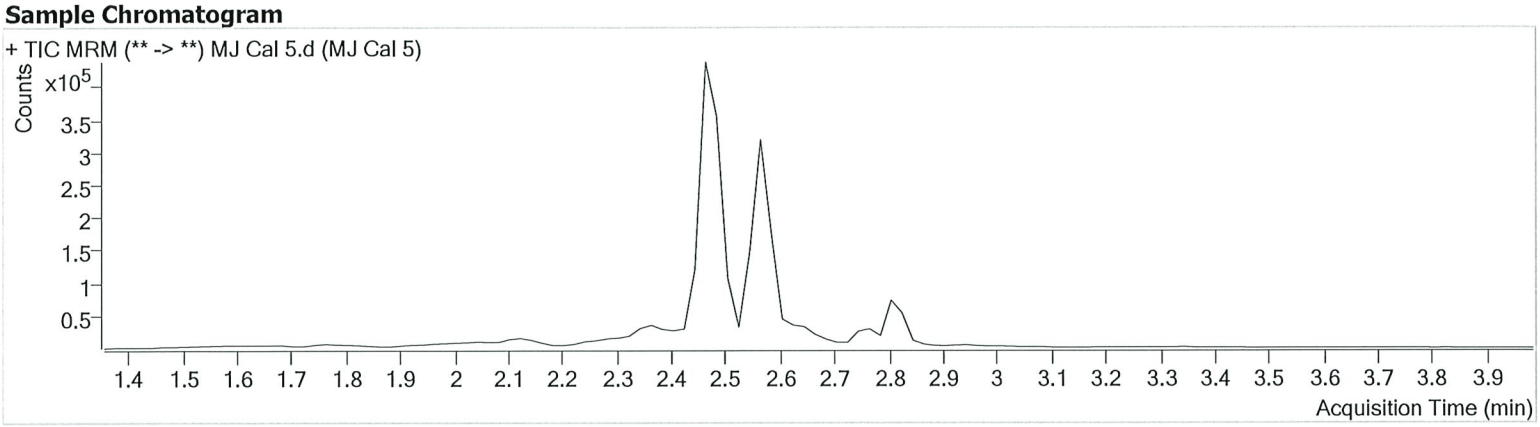
Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	2.819	7492	111112	9.4850	ng/ml
THC-COOH	2.565	152423	196926	51.3405	ng/ml
THC-OH	2.471	13538	879217	10.0974	ng/ml

AM #26 Cannabinoids Screen Results

Batch results	D:\MassHunter\Data\2019\AM 25-26\122619 THCS wklst 3908 TS\QuantResults\THCS TS.batch.bin
Calibration Last Update	1/7/2020 9:39:39 AM

Instrument	Falco	**Data File**	MJ Cal 5.d
Type	Cal	**Sample**	MJ Cal 5
Acq. Method	am 26 test.m	**Operator**	Tamara Salazar
Sample Position	P3-E1	**Comment**	
Injection Volume	10		
Acq. Date-Time	12/26/2019 11:14:34 AM		
Sample Info.			

Sample Chromatogram



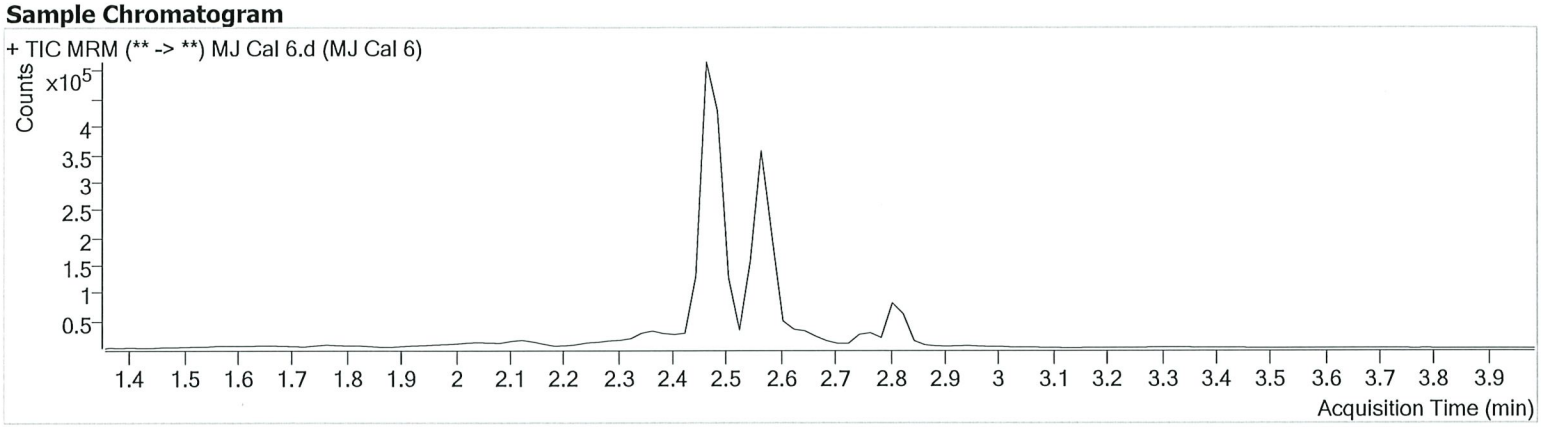
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.819	19888	120699	23.3124 ng/ml
THC-COOH	2.565	216879	193599	74.1381 ng/ml
THC-OH	2.471	31804	846959	23.8563 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2019\AM 25-26\122619 THCS wklst 3908 TS\QuantResults\THCS TS.batch.bin
Calibration Last Update 1/7/2020 9:39:39 AM

Instrument	Falco	**Data File**	MJ Cal 6.d
Type	Cal	**Sample**	MJ Cal 6
Acq. Method	am 26 test.m	**Operator**	Tamara Salazar
Sample Position	P3-F1	**Comment**	
Injection Volume	10		
Acq. Date-Time	12/26/2019 11:21:05 AM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	2.819	41702	114413	51.6826	ng/ml
THC-COOH	2.565	263539	171399	101.6168	ng/ml
THC-OH	2.471	63453	794937	50.1104	ng/ml

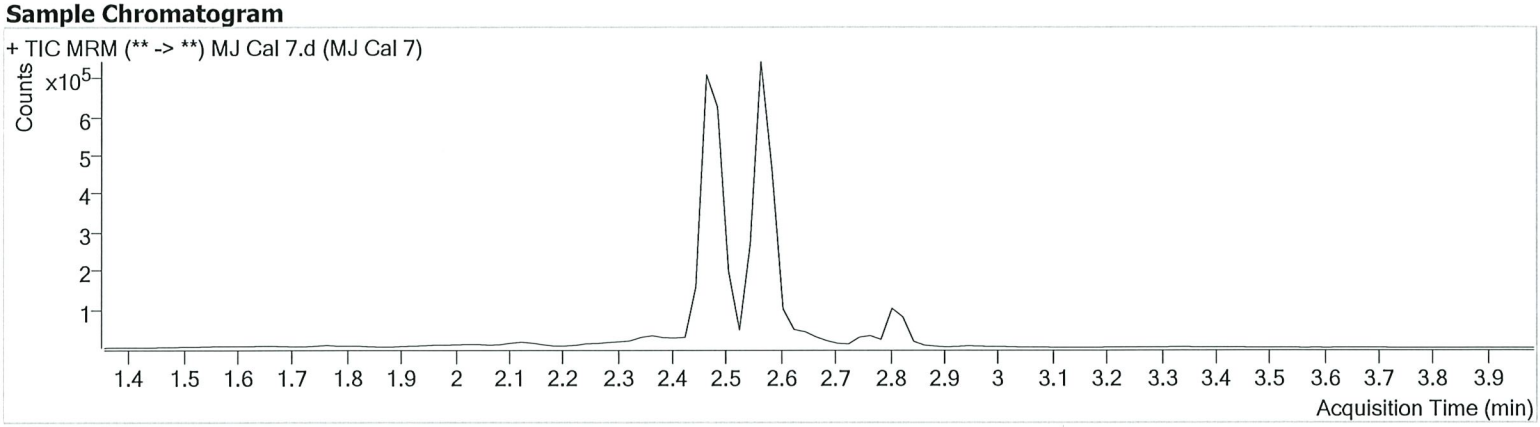
15

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2019\AM 25-26\122619 THCS wklst 3908 TS\QuantResults\THCS TS.batch.bin
Calibration Last Update 1/7/2020 9:39:39 AM

Instrument	Falco	**Data File**	MJ Cal 7.d
Type	Cal	**Sample**	MJ Cal 7
Acq. Method	am 26 test.m	**Operator**	Tamara Salazar
Sample Position	P3-G1	**Comment**	
Injection Volume	10		
Acq. Date-Time	12/26/2019 11:27:35 AM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	2.819	78431	110606	100.6373	ng/ml
THC-COOH	2.565	640568	174182	242.5234	ng/ml
THC-OH	2.471	134230	830783	100.8841	ng/ml