





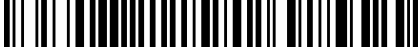


Worklist: 6007

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2022-2004	3	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2022-2120	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2022-2123	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2022-2188	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2022-2270	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2022-2348	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2022-2448	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2022-2454	3	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2022-2455	5	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2022-2485	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2022-1323	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2022-1323	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2022-1323	3	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2022-1801	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2022-1810	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2022-1840	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2022-1841	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2022-1842	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2022-1846	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2022-1875	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2022-1876	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	

Worklist: 6007

SC

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
P2022-1891	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2022-1893	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2022-1908	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2022-1915	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2022-1916	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2022-1943	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2022-1944	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	

SC

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

Extraction Date: 06/29/2022
Plate lot#: IDP-120-211015

Analyst: Sarah Collins
Retest Date: 04/15/22

Mobile phase A: 10mM Amm Form
Instant Buffer I

Mobile phase B: 0.1% Formic Acid in MeOH
Ethyl Acetate LC Methanol

Blank Blood Lot: Lampire 20L20723

Column: Phenomenex Phenyl Hexyl (4.6x50mm, 2.6um)

LCMS-QQ 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. Urine Hydrolysis: In blank well, add 250µL urine, 40µL BG Turbo, and 100µL Instant Buffer I. Place on plate shaker for 5 minutes.
- 3. Using a calibrated pipette, pipette **250µL blood and urine** (if applicable) into wells of analytical (standards) plate.
Pipette ID: #16
- 4. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. (SKIPPED PER DEVIATION)
- 5. Pipette **250µL 0.5 M ammonium hydroxide** in wells of analytical plate.
- 6. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 7. Transfer **200-450µL of blood+base and urine+base (if applicable)** mixture to corresponding wells of SLE+ plate.
Amount transferred: 300 uL
- 8. 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).
- 9. Wait 5 minutes.
- 10. Add **900uL ethyl acetate.**
- 11. Wait 5 minutes.
- 12. Apply positive pressure for approx. 15 seconds. **(10-15 PSI- Selector to the left).**
- 13. Add **900uL ethyl acetate.**
- 14. Wait 5 minutes.
- 15. Apply positive pressure for approx. 15 seconds. **(10-15 PSI- Selector to the left).**
- 16. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C. If run contains urine, add 50µL 1% HCl in MeOH to wells and place plate cover on plate before drying.
- 17. Reconstitute in **100µL 20% 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.
- 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 of 5 or greater or 2-5 for discretionary range.
- 4. Did all QCs pass for each analyte? If no, describe issue in comments (below).
- 5. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

COMMENTS: Plate was injected 6/29/22 with the incorrect mobile phases. Samples were reinjected 6/30/22 with the correct mobile phases and data from this date was used. Per the method, an external control was included in the run since it was after the plate re-test date.

Did not evaluate zopiclone for p2022-1323 items 1-3 due to low internal standard response.

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**Idaho State Police
Forensic Services**

Request for Departure from an Analytical Method or Quality Standard

Deviation Number (assigned by QM): TOX-22-01

Date of Request: **2/3/2022**

Requestor/Discipline: Celena Shrum/Toxicology

Analytical Method/Quality Standard, Revision #: AM #25, AM #28, AM #29, Revision 13

Temporary or Permanent Deviation: Permanent

Scope of Deviation (record specific information, e.g. affected programs, evidence types, expected end date; etc): Deviation will remain in place until the change is made in the next method revision.

Deviation Request (Describe detailed instructions of the changes being made; include reference to specific section number(s) in the method manual): 4.1.4 (Place plate on shaking incubator at approximately 900 rpm for approximately 15 minutes) of AM #25, AM # 28, and AM #29 is being removed. The removal of this step was tested in the validation "Addition of Compounds/Modifications for the MDS" (approved on 2/2/2022) and it was determined that that step is not necessary and can be removed.

Technical Justification for Analytical Method Deviations: Refer to validation "Addition of Compounds/Modifications for the MDS" (approved on 2/2/2022)

Technical Review

Departure approved
Comments:

Departure Not Approved
Comments:

Approver: Rachel Cutler
Title: Laboratory Manager



Date: 2/10/2022

Quality Review

Quality Approver: Jason Crowe
Title: Quality Manager
Date: 2/10/2022



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	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1								p2022-1323-3	p2022-1893-1	p2022-1810-1	m2022-2188-2
B	IS + Cal. 1								p2022-1323-2	p2022-1891-1	p2022-1801-1	m2022-2123-1
C									p2022-1323-1	p2022-1876-1	m2022-2485-2	m2022-2120-1
D									p2022-1944-1	p2022-1875-1	m2022-2455-5	m2022-2004-3
E									p2022-1943-1	p2022-1846-1	m2022-2454-3	external control
F									p2022-1916-1	p2022-1842-1	m2022-2448-1	negative blood
G									p2022-1915-1	p2022-1841-1	m2022-2348-1	IS + Cal. 1
H									p2022-1908-1	p2022-1840-1	m2022-2270-2	IS + Cal. 1

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Idaho State Police Forensic Services

AM #25 Blood Multi-Drug Screen by LCMS-QQQ And AM #28 Blood Multi-Drug Confirmatory Analysis by LCMS-QQQ---Panel 1

Methanol External Control Solution (Lot: 042222)

100 µL of 1mg/mL stock was added to each drug to 9700 µL of LC MeOH.

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>	<i>Expiration Date</i>
Methanol (LCMS)	Fisher	215245	N/A
Tramadol	Cerilliant	FE10051901	12/31/2024
Hydrocodone	Cerilliant	FE04241902	09/30/2024
Alprazolam	Cerilliant	FE06102008	06/30/2025
Buprenorphine	Cerilliant	FE03191903	06/31/2024
Prepared:	04/22/2022		
Expires:	04/22/2023		
Prepared By:	Celena Shrum		

Blood External Control Solution (Lot: WS042222)

200 µL of methanol external control solution was added to 9800 µL of blood.

Approximately 200 ng/mL of each compound.

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
Negative Blood	Lampire	22B52016-2
Methanol External Control Solution		042222
Prepared:	04/22/2022	
Expires:	04/22/2023	
Prepared by:	Celena Shrum	

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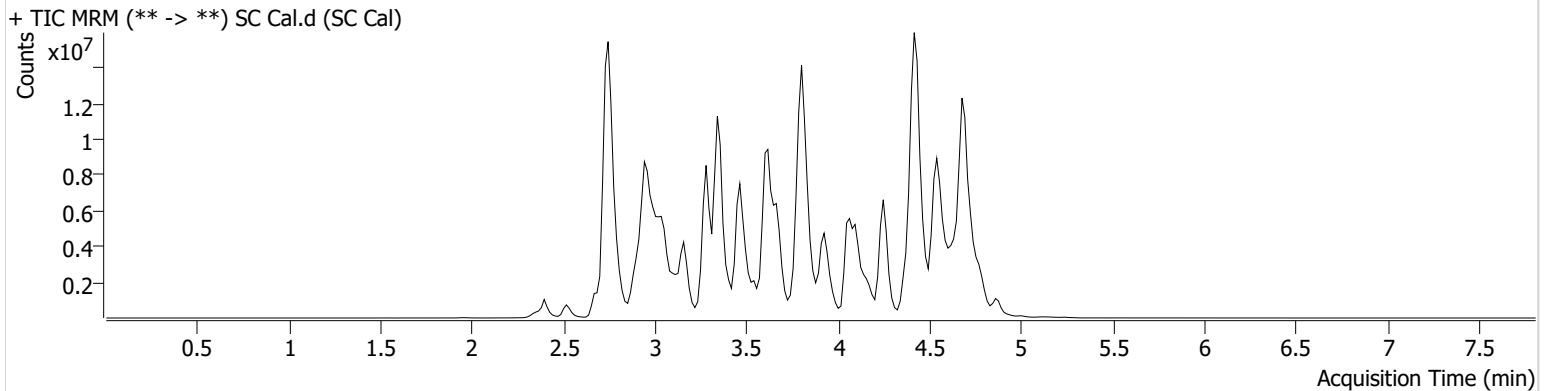
AM #25 Multi-Drug Screen Results



Batch results D:\MassHunter\Data\2022\AM 25-26\063022 AM 25 SC\QuantResults\AM 25 reinject.batch.bin
Calibration Last Update 7/1/2022 8:50:47 AM

Instrument	Falco (069901)	Data File	SC Cal.d
Type	Cal	Sample	SC Cal
Acq. Method	AM 25 MDS.m	Operator	Sarah Collins
Sample Position	P6-H12	Comment	
Injection Volume	5		
Acq. Date-Time	6/30/2022 2:57:48 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
10-OH-Carbamazepine	3.793	3749994	103.10	7754.66	23589338	10.0000
6-MAM	2.972	39583	34571.71	105.06	1095985	10.0000
7-aminoclonazepam	3.605	1234706	287.53	754.71	5220626	10.0000
7-aminoflunitrazepam	3.820	2633416	1431.95	141.08	5220626	10.0000
9-Hydroxyrisperidone	3.921	2350471	38113.66	44985.41	10386510	10.0000
Acetyl Fentanyl	3.956	50976	67.58	299.58	27086666	10.0000
Acetyl Norfentanyl	2.934	342476	1413.13	207.51	27086666	10.0000
a-hydroxyalprazolam	4.541	373004	82.73	91185.16	5220626	10.0000
alpha-hydroxymidazolam	4.616	2540570	602.82	41493.65	5220626	10.0000
Alpha-PHP	3.886	1322130	4602.44	1663.22	27086666	10.0000
alpha-PVP	3.595	2208773	267.00	3645.23	4751607	10.0000
Alprazolam	4.651	2833466	352.60	734.67	24978956	10.0000
Amitriptyline	4.470	140879	7.32	55.82	534123	10.0000
Amphetamine	2.923	1758077	1083.29	328.10	4751607	10.0000
Benzoyllecgonine	3.421	395323	202.99	307.39	447221	10.0000
Brompheniramine	4.064	12099	6731.75	44.23	13529958	10.0000
Buprenorphine	4.826	129082	107215.01	14239.49	562586	10.0000
Bupropion	3.840	1073548	1108.86	191.45	4030854	10.0000
Carbamazepine	4.257	10011017	∞	596.40	845222	10.0000
Carisoprodol	4.256	1366825	1193361.83	221.68	7915084	10.0000
Chlordiazepoxide	4.760	944051	229.34	676.11	24978956	10.0000
Chlorpheniramine	3.976	1180008	1689.18	282.84	13529958	10.0000
Chlorpromazine	4.665	173704	733.72	∞	791557	10.0000
Citalopram	4.094	605850	114.08	234840.91	13529958	10.0000
Clomipramine	4.665	245744	62305.73	336.24	13529958	10.0000
Clonazepam	4.465	1853673	931.94	301087.11	24978956	10.0000
Clonazolam	4.400	1706948	1047503.88	367756.13	24978956	10.0000
Clozapine	4.401	550765	1731.45	725.62	2085710	10.0000
Cocaehtylene	3.833	2900179	14683.76	1470.94	16981956	10.0000
Cocaine	3.619	2769550	2114121.01	422.81	16981956	10.0000
Codeine	2.884	367970	416635.78	5798.94	9137603	10.0000
Cyclobenzaprine	4.378	177097	973.48	11.37	534123	10.0000
Desipramine	4.394	305594	100.40	74.25	534123	10.0000
Dextromethorphan	4.101	242855	137.30	385.66	1266861	10.0000

SC Cal

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AM #25 Multi-Drug Screen Results



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Dextrophan	3.408	1253141	749266.83	950.72	1266861	10.0000
Diazepam	4.868	1315151	475.15	5336.32	24978956	10.0000
Dihydrocodeine	2.792	1100832	375.68	424.85	9137603	10.0000
Diphenhydramine	4.071	1605210	5859.21	47904.13	13529958	10.0000
Doxepin	4.192	183023	123.24	14.91	8998002	10.0000
Doxylamine	3.668	6275775	38101.56	84835.69	1266861	10.0000
Duloxetine	4.345	4551	3935.20	2652.93	80017	10.0000
EDDP	4.099	268020	266.85	88.46	650991	10.0000
Estazolam	4.561	6983772	672.55	3076380.64	24978956	10.0000
Etizolam	4.662	338225	2308.27	754077.15	24978956	10.0000
Fentanyl	4.185	27834	9.12	14710.01	2057940	10.0000
Flualprazolam	4.509	952505	632633.09	411826.10	24978956	10.0000
Flunitrazepam	4.589	2648151	555.09	571924.50	24978956	10.0000
Fluoxetine	4.359	220553	281100.03	23.15	525630	10.0000
Flurazepam	4.260	592409	574895.87	71127.02	24978956	10.0000
Hydrocodone	3.067	1448128	863.76	313.65	9137603	10.0000
Hydromorphone	2.521	1165172	928749.61	454.01	233436	10.0000
Hydroxyzine	4.568	377058	283.79	276.99	13529958	10.0000
Imipramine	4.423	389804	5573.34	80.24	534123	10.0000
Ketamine	3.656	2988492	4348.36	137.98	11753219	10.0000
Lamotrigine	3.654	241533	1654.69	89442.87	13529958	10.0000
Levamisole	3.027	2265541	1973.83	512.46	16981956	10.0000
Levetiracetam	2.677	1607391	420.74	1496.54	13529958	10.0000
Lorazepam	4.464	687476	399.69	239.70	24978956	10.0000
Maprotiline	4.470	91477	9.97	27.32	534123	10.0000
MDA	3.044	1166654	346.53	191.96	10376010	10.0000
MDEA	3.257	1888826	526.16	∞	10376010	10.0000
MDMA	3.120	2772354	5048.40	899.65	10376010	10.0000
Meperidine	3.639	739318	366.36	98.05	1266861	10.0000
Meprobamate	3.704	859575	275.68	74.71	7915084	10.0000
Methadone	4.420	691326	116.67	854.30	650991	10.0000
Methamphetamine	3.030	1863798	481.82	577029.40	10376010	10.0000
Methocarbamol	3.609	463354	84.58	128.04	650991	10.0000
Methylphenidate	3.548	3534721	441.17	192.65	10586577	10.0000
Metoprolol	3.468	502037	287.89	420.40	1266861	10.0000
Midazolam	4.786	592375	720285.03	368615.74	24978956	10.0000
Mirtazapine	4.101	1037805	159803.34	19573.16	1266861	10.0000
Mitragynine	4.275	44418	24157.32	77178.78	1266861	10.0000
Morphine	2.354	234604	2305.68	7046.05	233436	10.0000
Norbuprenorphine	3.859	12938	9098.33	19199.30	562586	10.0000
Nordiazepam	4.732	1656998	396670.25	399.69	24978956	10.0000
Norfentanyl	3.364	5304340	33946.11	262.40	27086666	10.0000
Norhydrocodone	2.962	74216	165.42	683.57	233436	10.0000
Norketamine	3.765	765870	422.99	997.37	11753219	10.0000
Normeperidine	3.626	391826	13035.35	86.31	13529958	10.0000
Noroxycodone	2.914	1450542	269.91	639.57	11753219	10.0000
Nortriptyline	4.441	104757	620.18	75.02	534123	10.0000
O-desmethyl-tramadol	2.948	8457203	711.63	1039.78	13529958	10.0000
O-desmethylvenlafaxine	3.284	1762586	800.52	31192.04	9416242	10.0000
Olanzapine	3.895	5935	2204.28	492.15	845222	10.0000
Oxazepam	4.546	2918485	402.24	174.05	13623687	10.0000
Oxycodone	2.973	2508568	530.19	473.46	11753219	10.0000
Oxymorphone	2.395	2004444	∞	1060242.37	233436	10.0000
Paroxetine	4.371	29026	31438.82	14559.01	525630	10.0000
Phenazepam	4.661	2174039	1005.66	453743.72	24978956	10.0000
Phencyclidine	3.948	1650517	503.64	192.49	1266861	10.0000
Phentermine	3.183	699936	94.90	66.72	10586577	10.0000
Phenytoin	4.164	1357556	1572.90	2143.20	845222	10.0000
Primidone	3.503	2382837	975.89	350.71	845222	10.0000
Promethazine	4.392	522329	405.69	7.96	13529958	10.0000

SC

AM #25 Multi-Drug Screen Results



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Pseudoephedrine	2.754	47032233	1517.80	33867.33	10376010	10.0000
Quetiapine	4.598	1907243	664.01	945359.07	38817059	10.0000
Risperidone	4.137	1229226	439553.65	66128.86	10386510	10.0000
Sertraline	4.590	91589	33242.38	67.02	525630	10.0000
Sufentanil	4.583	18974	12698.16	61.78	27086666	10.0000
Tapentadol	3.473	3486222	765.52	260.60	11753219	10.0000
Temazepam	4.698	4691417	1771.16	129.08	24978956	10.0000
Topiramate	3.877	68687	74923.08	133.03	309415	10.0000
Tramadol	3.469	15040528	6049.10	55.37	13529958	10.0000
Trazodone	4.767	2334205	613.09	604.76	8998002	10.0000
Venlafaxine	3.837	4049438	3004961.31	256.09	525630	10.0000
Zaleplon	4.375	3486065	1987154.51	2670.91	38817059	10.0000
Zolpidem	4.436	9088066	3749.82	16243.02	38817059	10.0000
Zopiclone	4.306	13560	5284.28	5719.80	68468	10.0000

SC

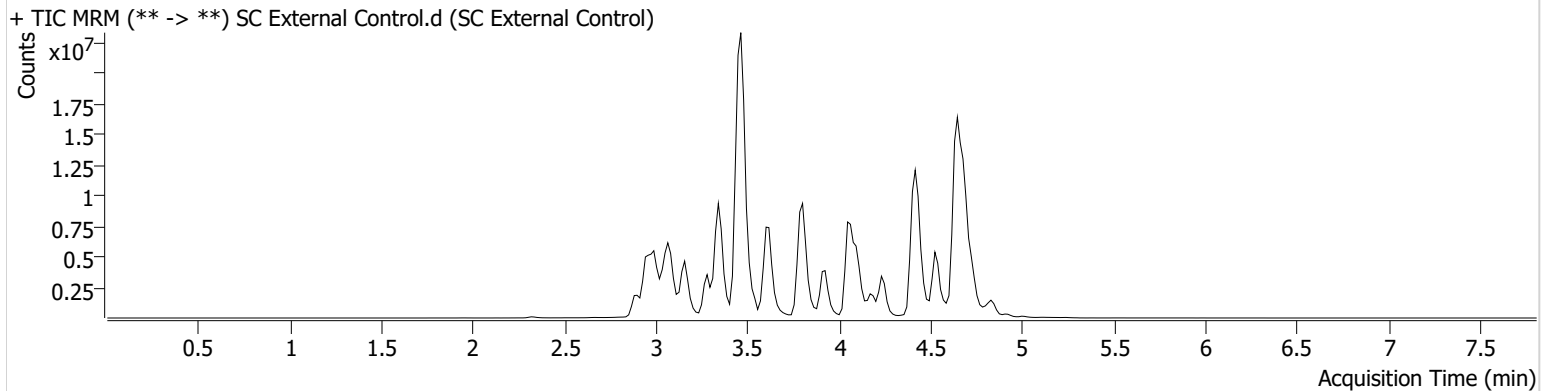
AM #25 Multi-Drug Screen Results



Batch results D:\MassHunter\Data\2022\AM 25-26\063022 AM 25 SC\QuantResults\AM 25 reinject.batch.bin
Calibration Last Update 7/1/2022 8:50:47 AM

Instrument	Falco (069901)	Data File	SC External Control.d
Type	Sample	Sample	SC External Control
Acq. Method	AM 25 MDS.m	Operator	Sarah Collins
Sample Position	P6-E12	Comment	
Injection Volume	5		
Acq. Date-Time	6/30/2022 3:14:46 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Alprazolam	4.651	24435064	1417.22	1247.41	27331267	78.8152
Buprenorphine	4.826	2536439	123105.82	447572.28	1144047	96.6279
Hydrocodone	3.083	10121577	8213718.56	1612.42	9035589	70.6833
Tramadol	3.469	84129344	∞	412.73	24122598	31.3731

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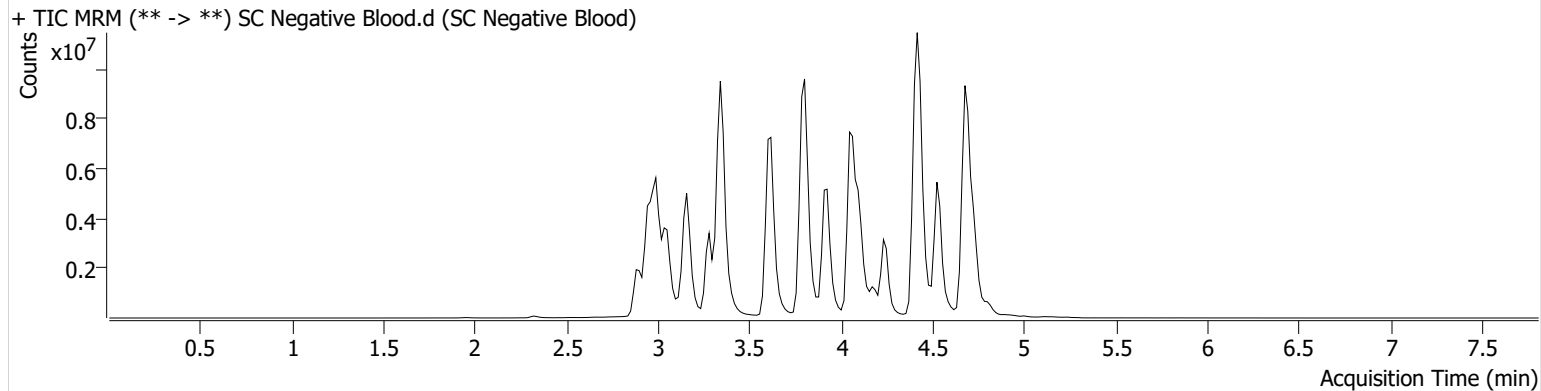


AM #25 Multi-Drug Screen Results

Batch results D:\MassHunter\Data\2022\AM 25-26\063022 AM 25 SC\QuantResults\AM 25 reinject.batch.bin
Calibration Last Update 7/1/2022 8:50:47 AM

Instrument	Falco (069901)	Data File	SC Negative Blood.d
Type	Sample	Sample	SC Negative Blood
Acq. Method	AM 25 MDS.m	Operator	Sarah Collins
Sample Position	P6-F12	Comment	
Injection Volume	5		
Acq. Date-Time	6/30/2022 3:06:22 PM		
Sample Info.			

Sample Chromatogram



SC

AM# 26: Screening of THC and Metabolites in Blood and Urine by LC-MS/MS

Extraction Date: 06/29/2022
 Plate lot#: IDP-108-3-220309

Analyst: Sarah Collins
 Retest Date: 09/09/2022

10mM Ammonium Formate 01/27/2023 SC

Mobile phase A: ~~0.1% Formic Acid in LCMS Water~~

Blank Blood Lot: Lampire 20L20723

LCMS-QQQ ID: 069901

MeOH SC 070622

Mobile phase B: 0.1% Formic acid in ~~Acetonitrile~~

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. Urine hydrolysis: add 1.5mL urine to blank plate, add 250µl 1N KOH. Shake and incubate at 40 degrees for 15 minutes.
Using a calibrated pipette, add **1000µl blood and urine (if applicable) (calibrated pipette)** into the appropriate wells of analytical (standards) plate. **Pipette ID:** 3382167
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 4. Pipette **500µL 0.1% formic acid in water blood sample, 500 µL saturated phosphate buffer in urine** in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer **700-800µL of blood+acid or urine+acid** mixture to corresponding wells of SLE+ plate.
Amount transferred: 800 uL
- 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)
- 8. Wait 5 minutes.
- 9. Add **2.25mL 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 **2.25mL 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.
- 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.
- 2. Make any necessary integration changes, Curve weighting of Linear 1/x with r^2 values ≥ 0.98 for each analyte
- 3. RT +/- 3% or 0.100 min, whichever is greater, +/- 20% Accuracy for greater than (+/- 30% for 10ng/ml or less).
- 4. Case sample response for THC and OH-THC 3ng/mL (quantitative), Carboxy-THC: 10ng/mL (qualitative only) will be reported. Samples with a THC or OH-THC response over 50 ng/mL will be reported out as greater than 50 ng/mL.
- 5. Did all QCs pass for each analyte? (if not, describe in comments section)
- 6. Enter QCs into control charting.
- 7. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

COMMENTS:

SC

	1	2	3	4	5	6
A	IS + Cal. 1	IS + QC_2	m2022-2448-1	p2022-1842-1*	p2022-1916-1*	p2022-1944-1
B	IS + Cal. 2	negative blood	m2022-2454-3	p2022-1846-1	p2022-1943-1	
C	IS + Cal. 3	m2022-2004-3	m2022-2455-5	p2022-1875-1 SC 7/6/22 p2022-1845-1	p2022-1944-1*	
D	IS + Cal. 4	m2022-2120-1	m2022-2485-2	p2022-1876-1	p2022-1323-1	
E	IS + Cal. 5	m2022-2123-1	p2022-1801-1	p2022-1891-1	p2022-1323-2	
F	IS + Cal. 6	m2022-2188-2	p2022-1810-1	p2022-1893-1	p2022-1323-3	
G	IS + Cal. 7	m2022-2270-2	p2022-1840-1	p2022-1908-1	p2022-1842-1	
H	IS + QC_1 blood	m2022-2348-1	p2022-1841-1	p2022-1915-1	p2022-1916-1	

All wells to contain 100 µl of residual DMSO

*Samples moved during analytical step 6 due to blood clot

SC

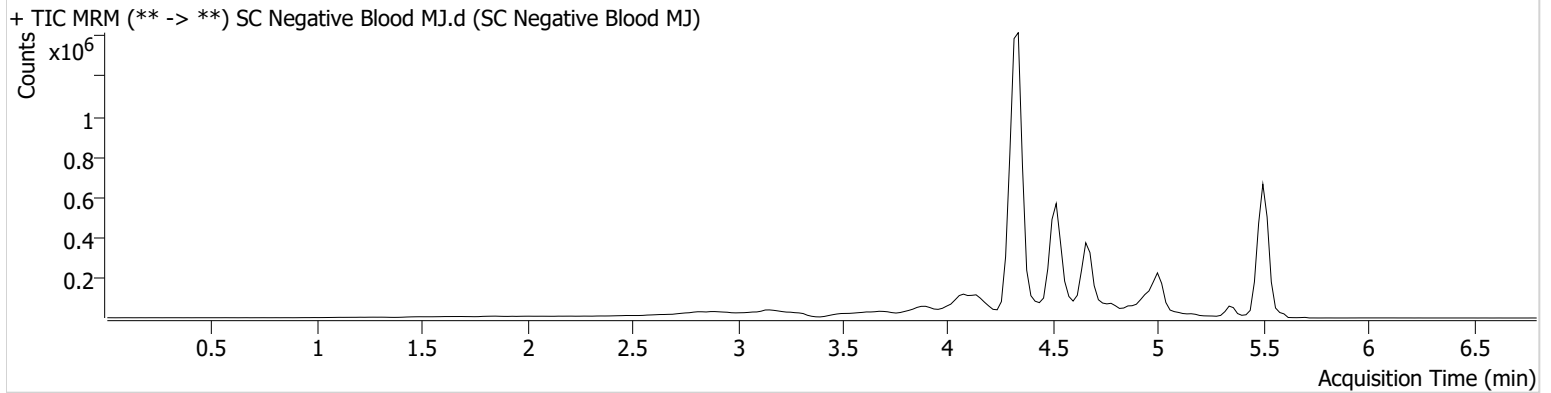


AM #26 Cannabinoids Screen Results

Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 26 SC.batch.bin
Calibration Last Update 6/30/2022 7:39:23 AM

Instrument	Falco (069901)	Data File	SC Negative Blood MJ.d
Type	Sample	Sample	SC Negative Blood MJ
Acq. Method	AM 26 THC.m	Operator	Sarah Collins
Sample Position	P5-B2	Comment	
Injection Volume	10		
Acq. Date-Time	6/30/2022 1:37:03 AM		
Sample Info.			

Sample Chromatogram



SC

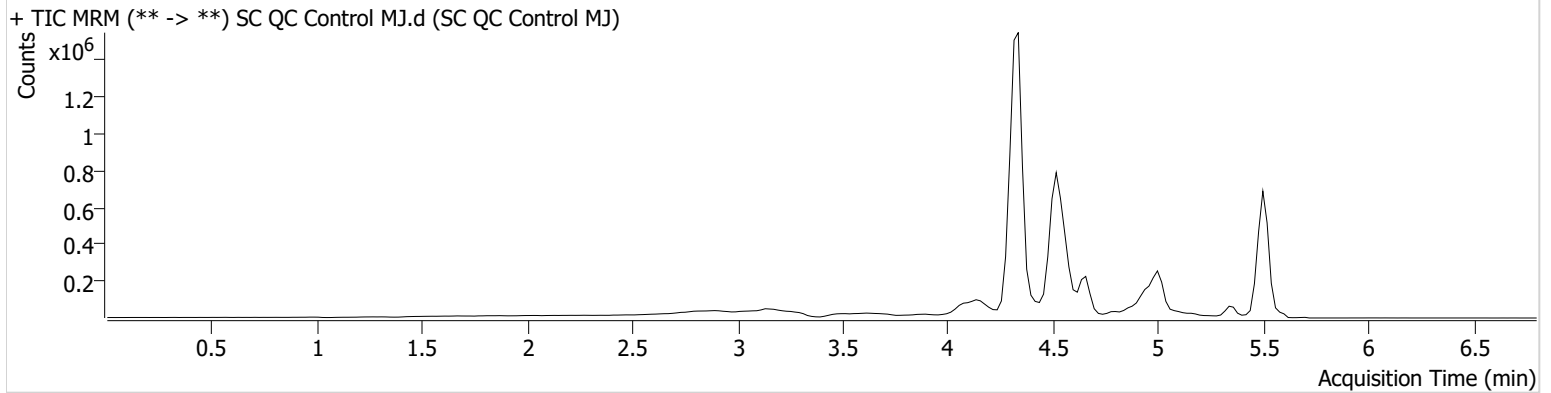


AM #26 Cannabinoids Screen Results

Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 26 SC.batch.bin
Calibration Last Update 6/30/2022 7:39:23 AM

Instrument	Falco (069901)	Data File	SC QC Control MJ.d
Type	QC	Sample	SC QC Control MJ
Acq. Method	AM 26 THC.m	Operator	Sarah Collins
Sample Position	P5-H1	Comment	
Injection Volume	10		
Acq. Date-Time	6/30/2022 1:21:53 AM		

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.489	9675	293986	4.4473 ng/ml
THC-COOH	4.556	406912	2410658	14.9069 ng/ml
THC-OH	4.342	44136	5765874	4.7807 ng/ml

SC

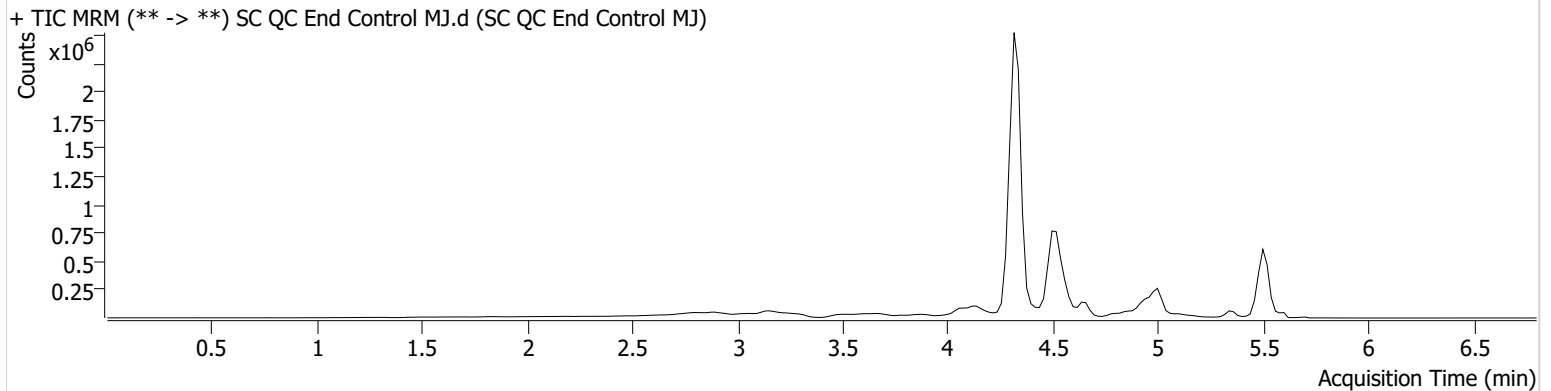


AM #26 Cannabinoids Screen Results

Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 26 SC.batch.bin
Calibration Last Update 6/30/2022 7:39:23 AM

Instrument	Falco (069901)	Data File	SC QC End Control MJ.d
Type	QC	Sample	SC QC End Control MJ
Acq. Method	AM 26 THC.m	Operator	Sarah Collins
Sample Position	P5-H1	Comment	
Injection Volume	10		
Acq. Date-Time	6/30/2022 5:16:32 AM		

Sample Chromatogram



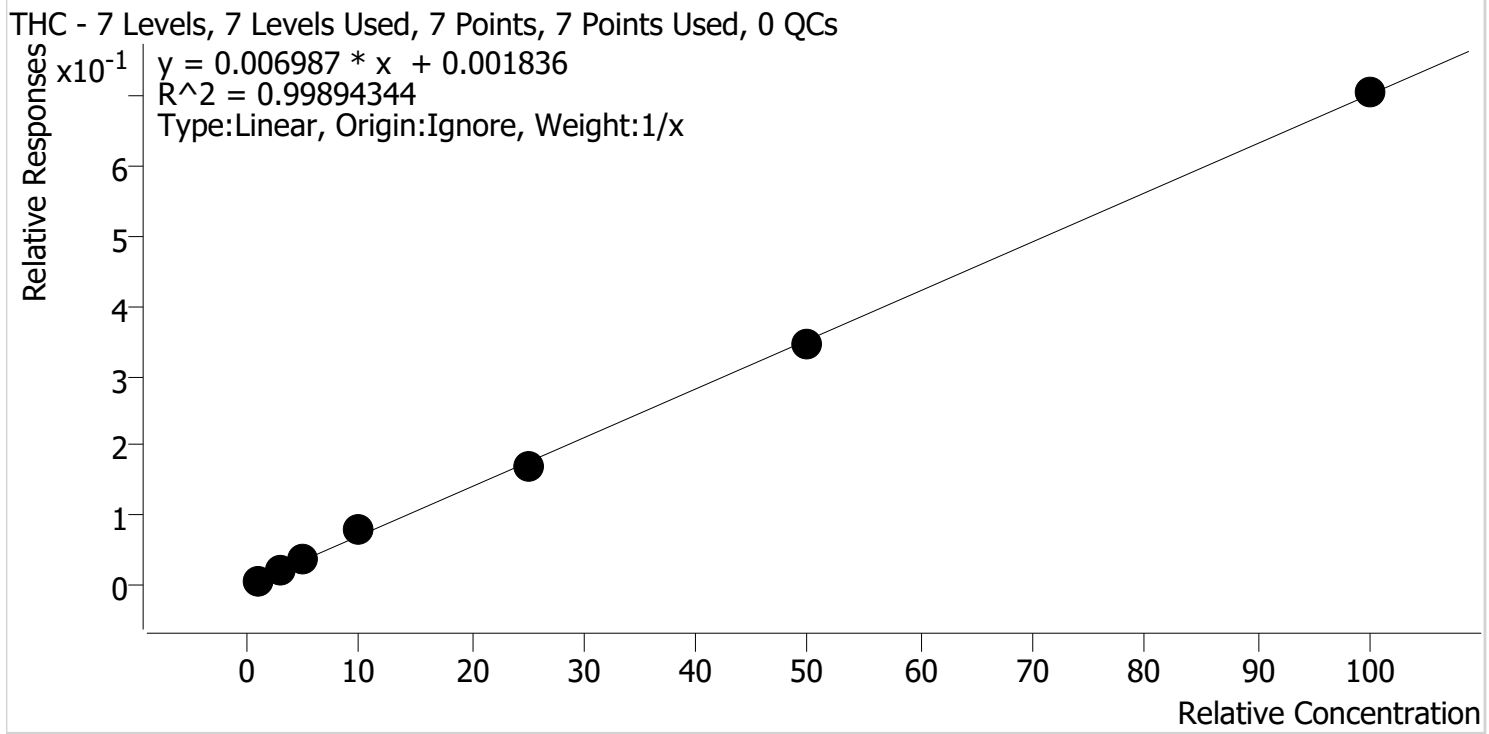
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.489	8183	248647	4.4478 ng/ml
THC-COOH	4.536	341458	2520940	11.9711 ng/ml
THC-OH	4.342	64794	8794439	4.6074 ng/ml

SC



AM #26 Cannabinoids Screen Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 26 SC.batch.bin
Last Cal. Update 6/30/2022 7:39 AM
Analyst Name ISP\scollins
Analyte THC **Internal Standard** THC-D3



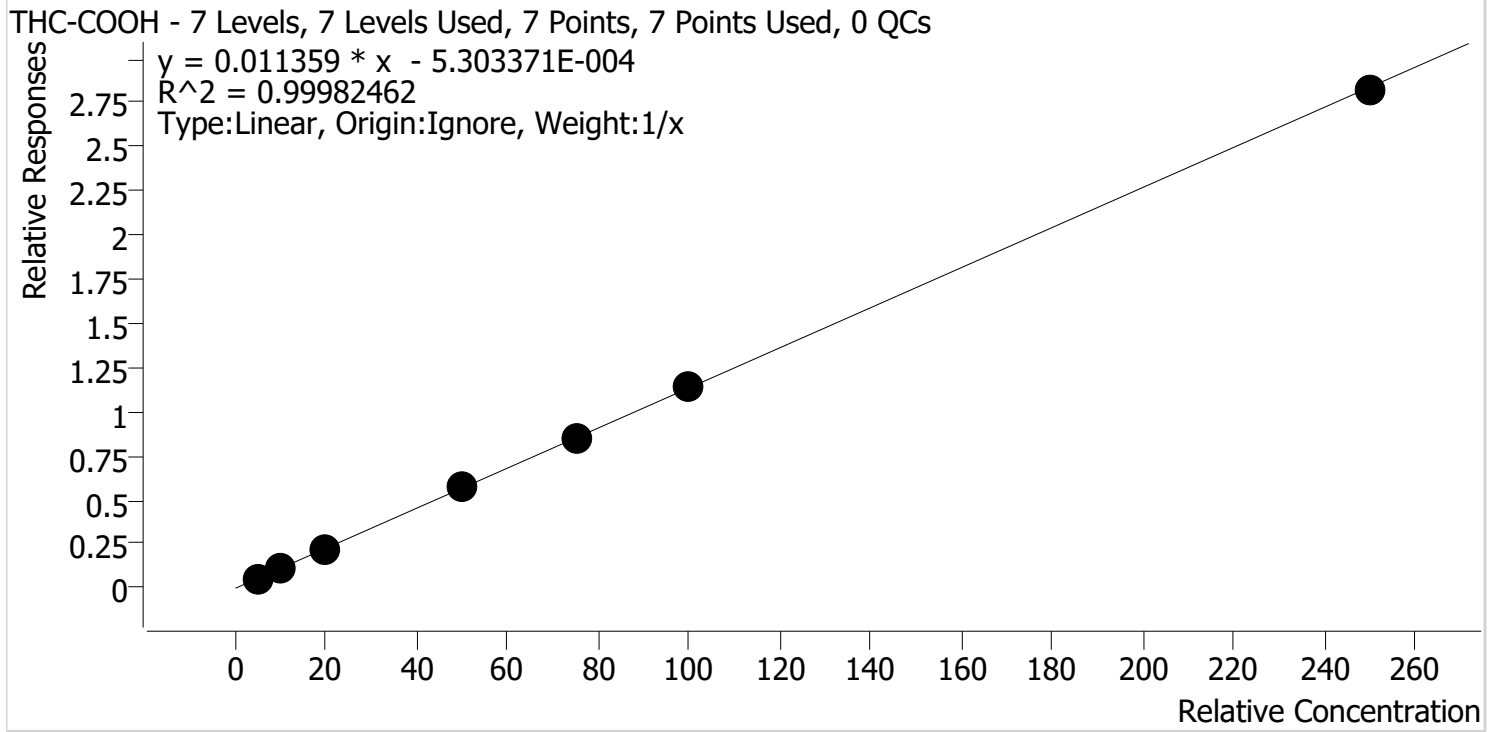
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
SC Cal 1 MJ	1	✓	1.0	0.9	86.5
SC Cal 2 MJ	2	✓	3.0	3.2	105.3
SC Cal 3 MJ	3	✓	5.0	5.1	101.2
SC Cal 4 MJ	4	✓	10.0	11.1	110.7
SC Cal 5 MJ	5	✓	25.0	24.5	97.8
SC Cal 6 MJ	6	✓	50.0	49.0	98.0
SC Cal 7 MJ	7	✓	100.0	100.4	100.4

SC



AM #26 Cannabinoids Screen Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 26 SC.batch.bin
Last Cal. Update 6/30/2022 7:39 AM
Analyst Name ISP\scollins
Analyte THC-COOH **Internal Standard** THC-COOH-D9



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
SC Cal 1 MJ	1	✓	5.0	4.8	95.9
SC Cal 2 MJ	2	✓	10.0	10.1	101.1
SC Cal 3 MJ	3	✓	20.0	20.1	100.4
SC Cal 4 MJ	4	✓	50.0	51.5	103.0
SC Cal 5 MJ	5	✓	75.0	75.3	100.4
SC Cal 6 MJ	6	✓	100.0	100.0	100.0
SC Cal 7 MJ	7	✓	250.0	248.2	99.3

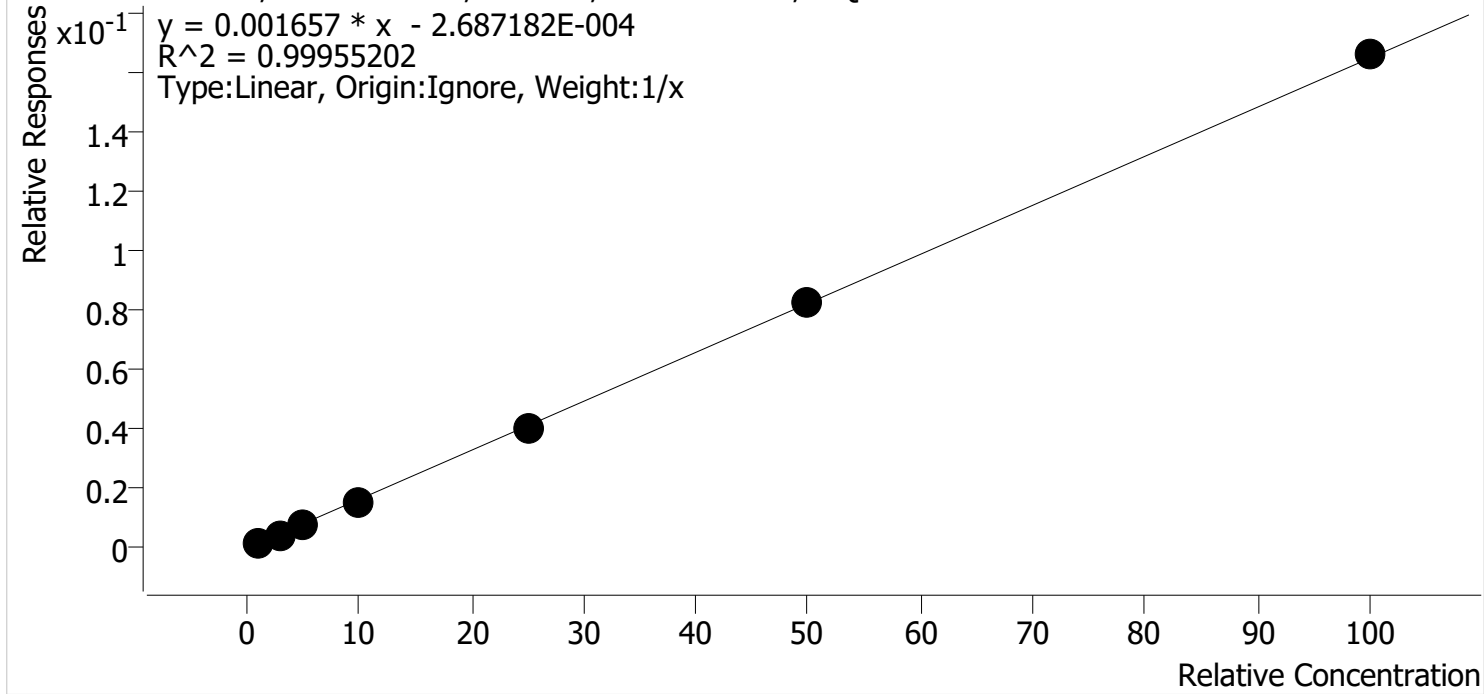
SC



AM #26 Cannabinoids Screen Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 26 SC.batch.bin
Last Cal. Update 6/30/2022 7:39 AM
Analyst Name ISP\scollins
Analyte THC-OH **Internal Standard** THC-OH-D3

THC-OH - 7 Levels, 7 Levels Used, 7 Points, 7 Points Used, 0 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
SC Cal 1 MJ	1	✓	1.0	1.2	115.2
SC Cal 2 MJ	2	✓	3.0	2.8	94.2
SC Cal 3 MJ	3	✓	5.0	4.7	94.7
SC Cal 4 MJ	4	✓	10.0	9.6	95.7
SC Cal 5 MJ	5	✓	25.0	24.8	99.1
SC Cal 6 MJ	6	✓	50.0	50.2	100.5
SC Cal 7 MJ	7	✓	100.0	100.7	100.7

SC

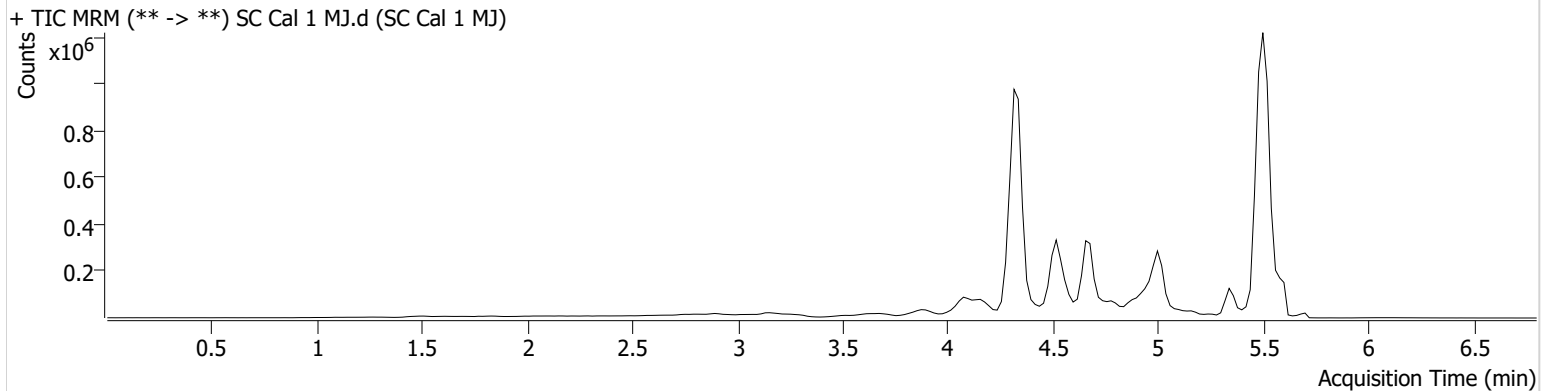


AM #26 Cannabinoids Screen Results

Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 26 SC.batch.bin
Calibration Last Update 6/30/2022 7:39:23 AM

Instrument	Falco (069901)	Data File	SC Cal 1 MJ.d
Type	Cal	Sample	SC Cal 1 MJ
Acq. Method	AM 26 THC.m	Operator	Sarah Collins
Sample Position	P5-A1	Comment	
Injection Volume	10		
Acq. Date-Time	6/30/2022 12:28:47 AM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	5.530	5626	713682	0.8654 ng/ml	Low
THC-COOH	4.556	55863	1036211	4.7928 ng/ml	Low
THC-OH	4.342	6352	3873100	1.1516 ng/ml	Low

SC

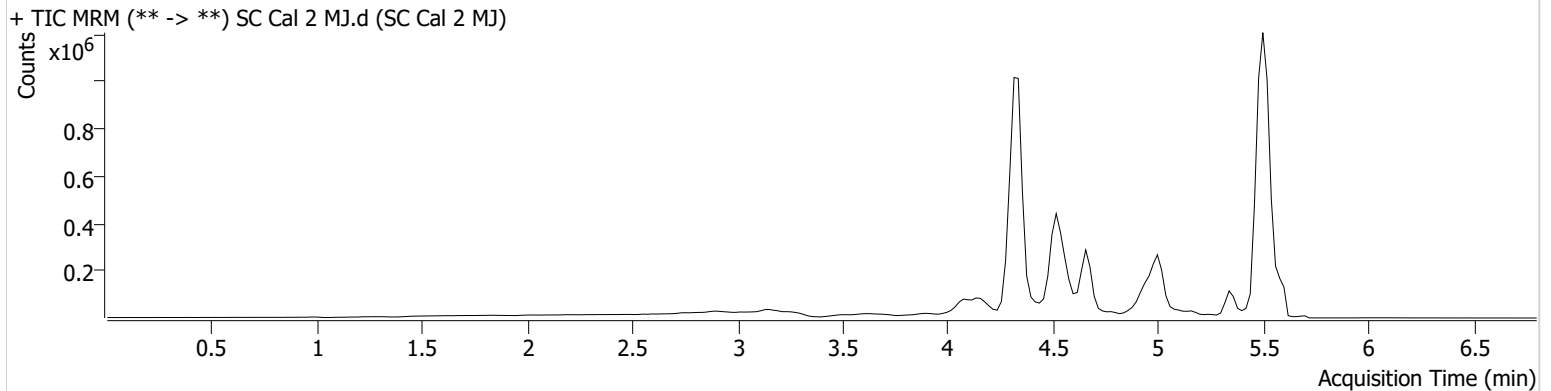


AM #26 Cannabinoids Screen Results

Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 26 SC.batch.bin
Calibration Last Update 6/30/2022 7:39:23 AM

Instrument	Falco (069901)	Data File	SC Cal 2 MJ.d
Type	Cal	Sample	SC Cal 2 MJ
Acq. Method	AM 26 THC.m	Operator	Sarah Collins
Sample Position	P5-B1	Comment	
Injection Volume	10		
Acq. Date-Time	6/30/2022 12:36:30 AM		

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.530	15698	656616	3.1591 ng/ml
THC-COOH	4.556	151126	1322094	10.1099 ng/ml
THC-OH	4.342	17523	3969119	2.8258 ng/ml Low

SC

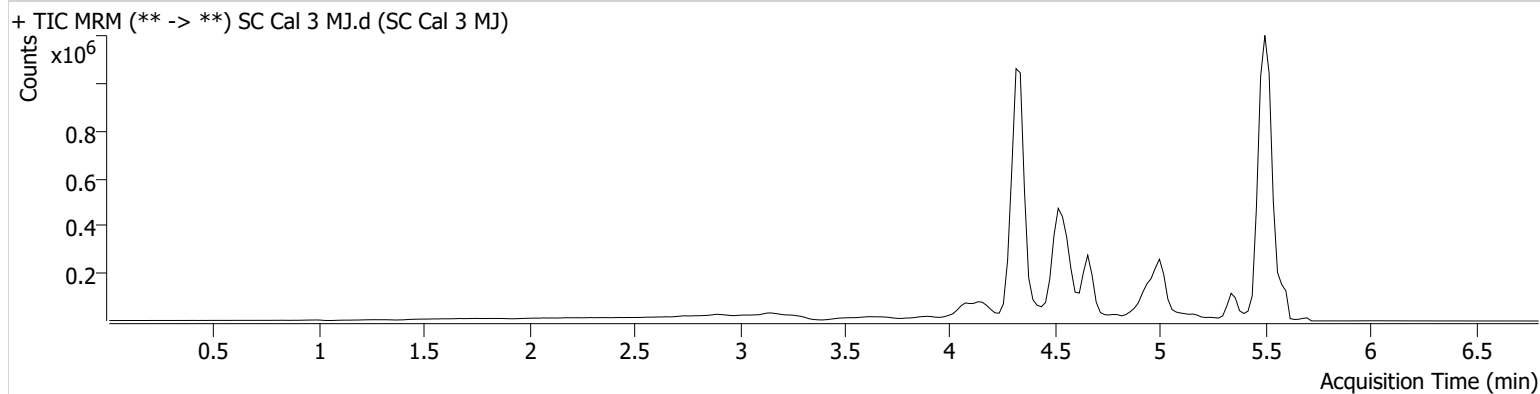
AM #26 Cannabinoids Screen Results



Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 26 SC.batch.bin
Calibration Last Update 6/30/2022 7:39:23 AM

Instrument	Falco (069901)	Data File	SC Cal 3 MJ.d
Type	Cal	Sample	SC Cal 3 MJ
Acq. Method	AM 26 THC.m	Operator	Sarah Collins
Sample Position	P5-C1	Comment	
Injection Volume	10		
Acq. Date-Time	6/30/2022 12:44:04 AM		

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.530	23244	624870	5.0612 ng/ml
THC-COOH	4.556	298803	1313239	20.0777 ng/ml
THC-OH	4.342	30692	4050991	4.7333 ng/ml

SC

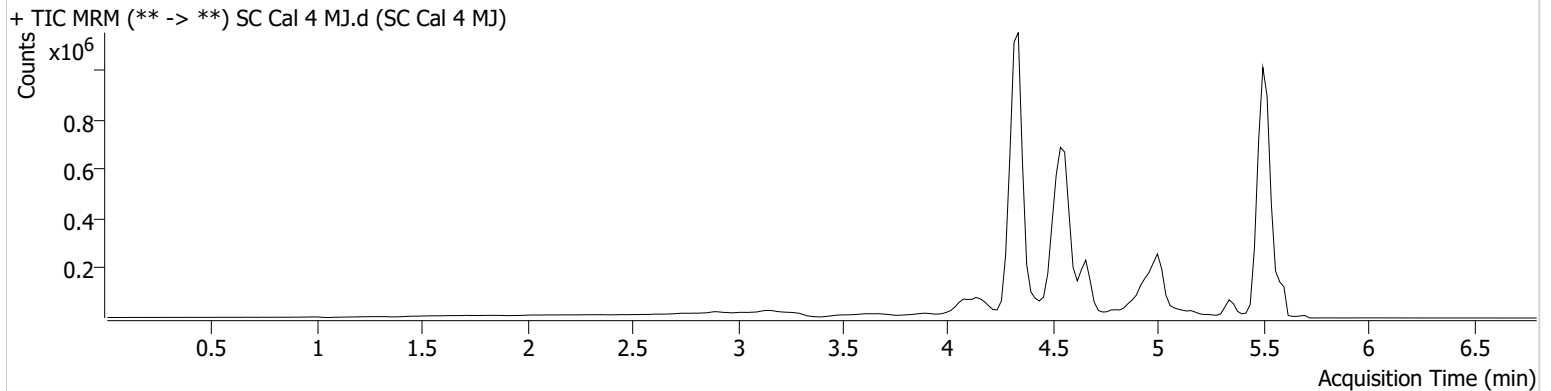


AM #26 Cannabinoids Screen Results

Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 26 SC.batch.bin
Calibration Last Update 6/30/2022 7:39:23 AM

Instrument	Falco (069901)	Data File	SC Cal 4 MJ.d
Type	Cal	Sample	SC Cal 4 MJ
Acq. Method	AM 26 THC.m	Operator	Sarah Collins
Sample Position	P5-D1	Comment	
Injection Volume	10		
Acq. Date-Time	6/30/2022 12:51:37 AM		

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.530	37968	479491	11.0705 ng/ml
THC-COOH	4.556	755331	1292645	51.4889 ng/ml
THC-OH	4.342	63326	4062313	9.5677 ng/ml

SC



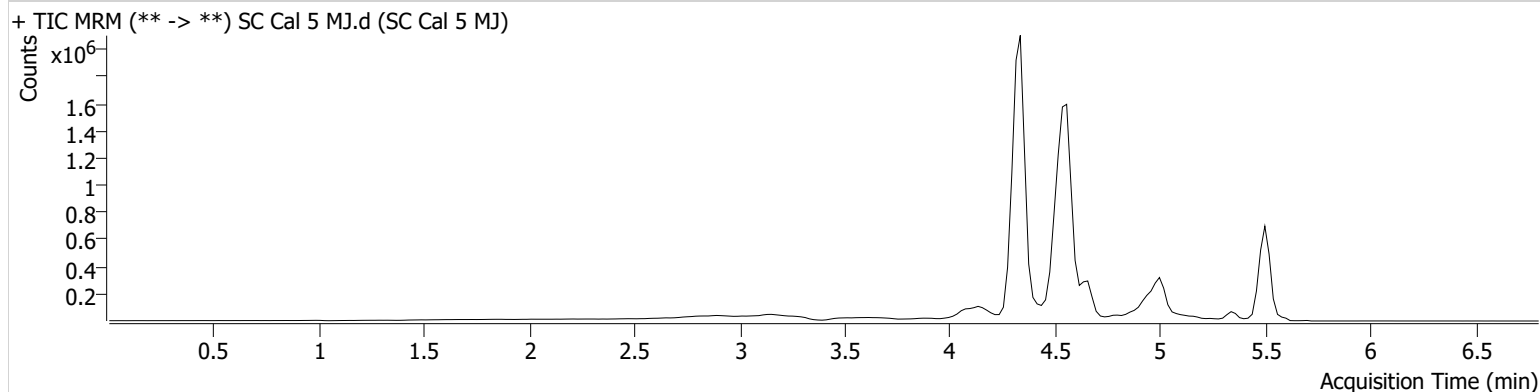
AM #26 Cannabinoids Screen Results

Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 26 SC.batch.bin
Calibration Last Update 6/30/2022 7:39:23 AM

Instrument	Falco (069901)	Data File	SC Cal 5 MJ.d
Type	Cal	Sample	SC Cal 5 MJ
Acq. Method	AM 26 THC.m	Operator	Sarah Collins
Sample Position	P5-E1	Comment	
Injection Volume	10		
Acq. Date-Time	6/30/2022 12:59:11 AM		

Sample Info.

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.489	53794	311448	24.4584 ng/ml
THC-COOH	4.556	2088853	2444502	75.2746 ng/ml
THC-OH	4.342	248526	6091782	24.7772 ng/ml

SC

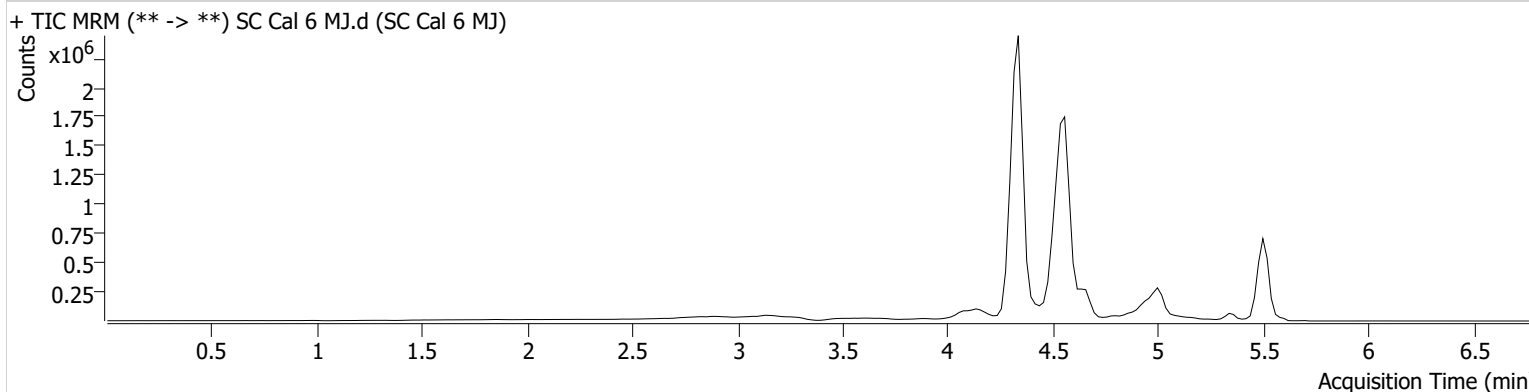


AM #26 Cannabinoids Screen Results

Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 26 SC.batch.bin
Calibration Last Update 6/30/2022 7:39:23 AM

Instrument	Falco (069901)	Data File	SC Cal 6 MJ.d
Type	Cal	Sample	SC Cal 6 MJ
Acq. Method	AM 26 THC.m	Operator	Sarah Collins
Sample Position	P5-F1	Comment	
Injection Volume	10		
Acq. Date-Time	6/30/2022 1:06:45 AM		

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.489	102843	298752	49.0075 ng/ml
THC-COOH	4.556	2400368	2113840	100.0161 ng/ml
THC-OH	4.342	460448	5546540	50.2500 ng/ml

SC

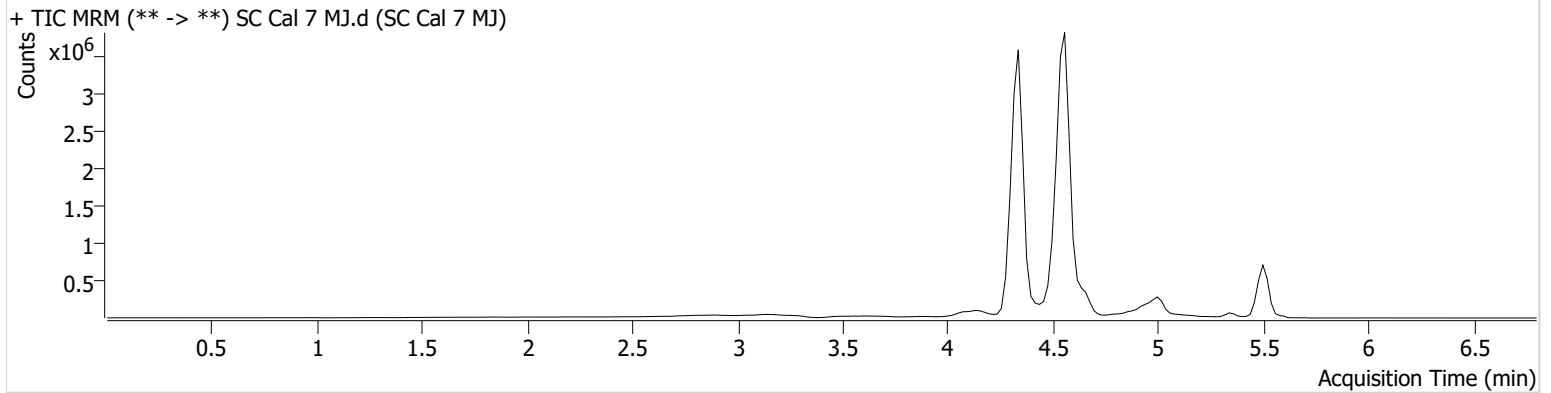
AM #26 Cannabinoids Screen Results



Batch results G:\TOX\Pocatello\Falco\2022\AM 27-28\062822 AM 27 28 CS\QuantResults\AM 26 SC.batch.bin
Calibration Last Update 6/30/2022 7:39:23 AM

Instrument	Falco (069901)	Data File	SC Cal 7 MJ.d
Type	Cal	Sample	SC Cal 7 MJ
Acq. Method	AM 26 THC.m	Operator	Sarah Collins
Sample Position	P5-G1	Comment	
Injection Volume	10		
Acq. Date-Time	6/30/2022 1:14:19 AM		

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.489	203770	289795	100.3779 ng/ml
THC-COOH	4.556	5761129	2043519	248.2401 ng/ml
THC-OH	4.342	931402	5589919	100.6943 ng/ml