Quantitation Report (Qedit)

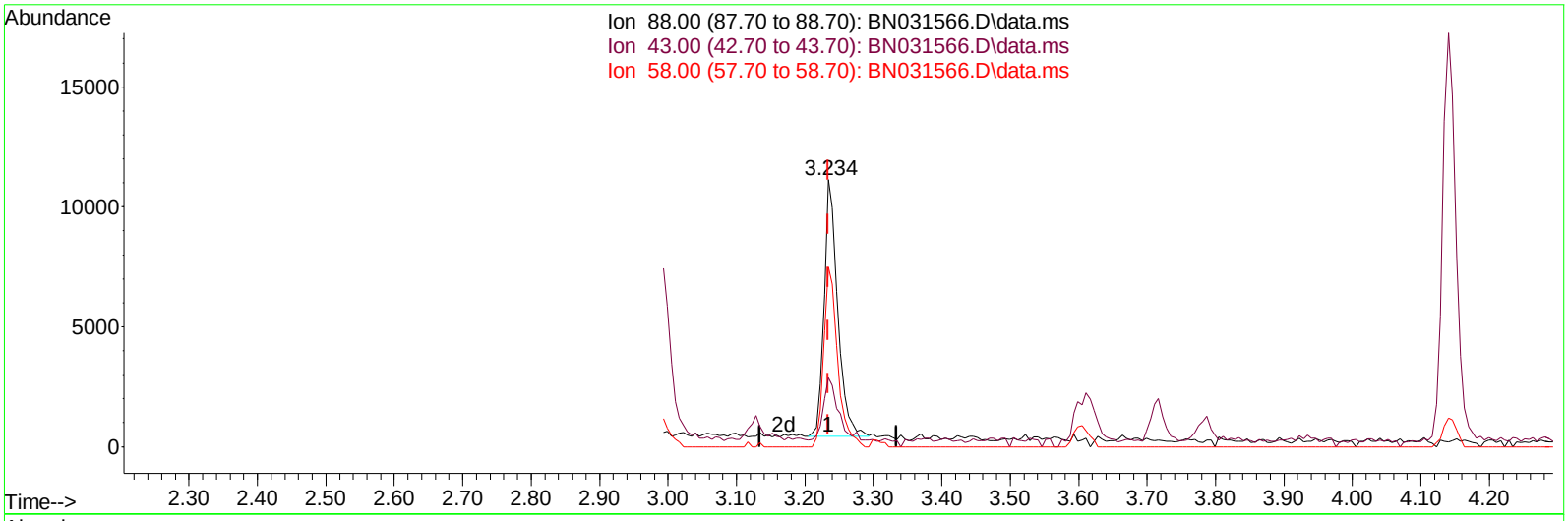
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN052024\
Data File : BN031566.D
Acq On : 20 May 2024 10:54
Operator : MA/JU
Sample : P2409-03
Misc : SFAM-MDL-SOIL-01
ALS Vial : 5 Sample Multiplier: 1

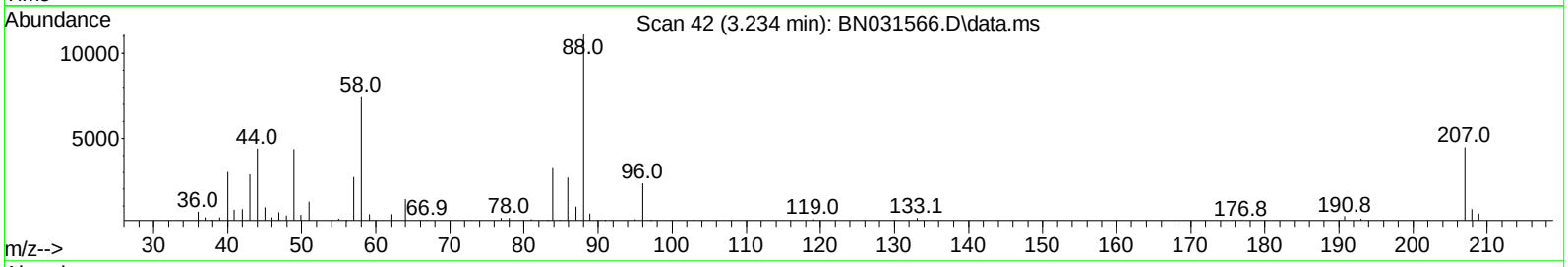
Quant Time: May 20 11:33:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN051524.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed May 15 02:37:21 2024
Response via : Initial Calibration

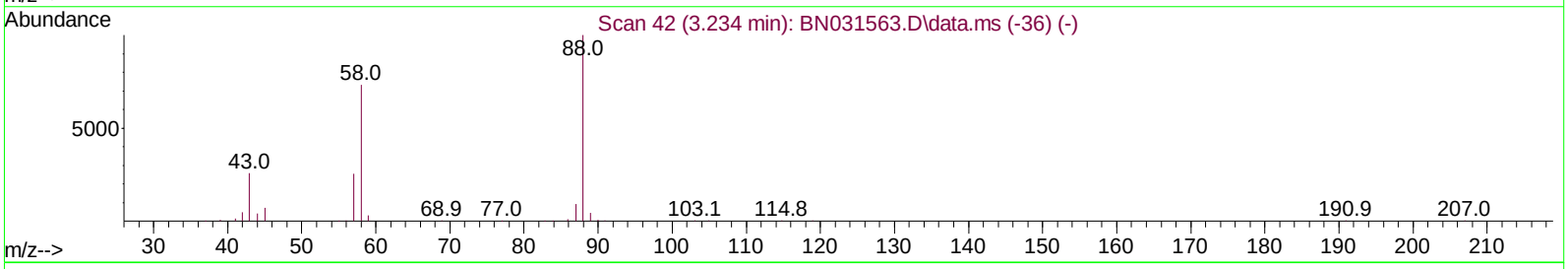
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT2-2024-03

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 05/20/2024
Supervised By :mohammad ahmed 05/22/2024







TIC: BN031566.D\data.ms

(2) 1,4-Dioxane

3.234min (+ 0.000) 1.20 ng/uL

response 14857

Ion	Exp%	Act%
88.00	100.00	100.00
43.00	28.20	25.72
58.00	71.40	67.24
0.00	0.00	0.00

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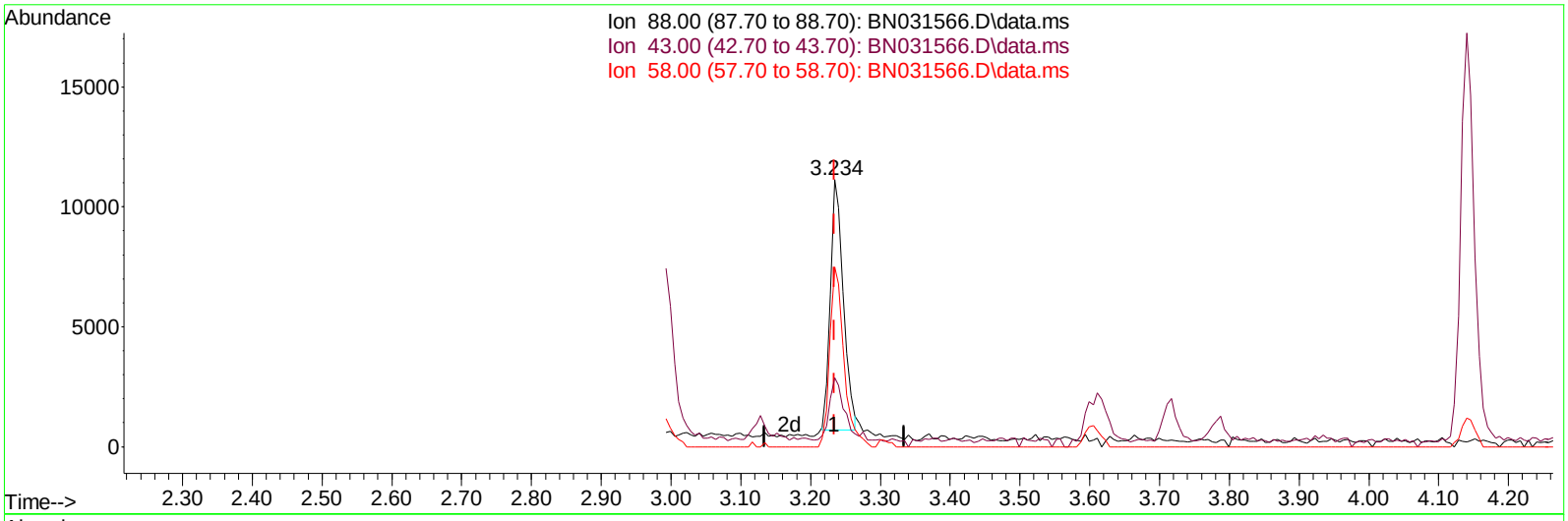

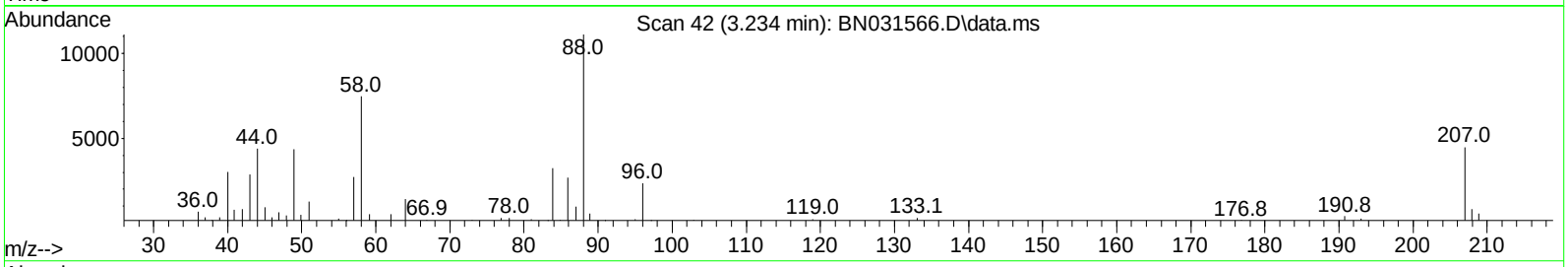

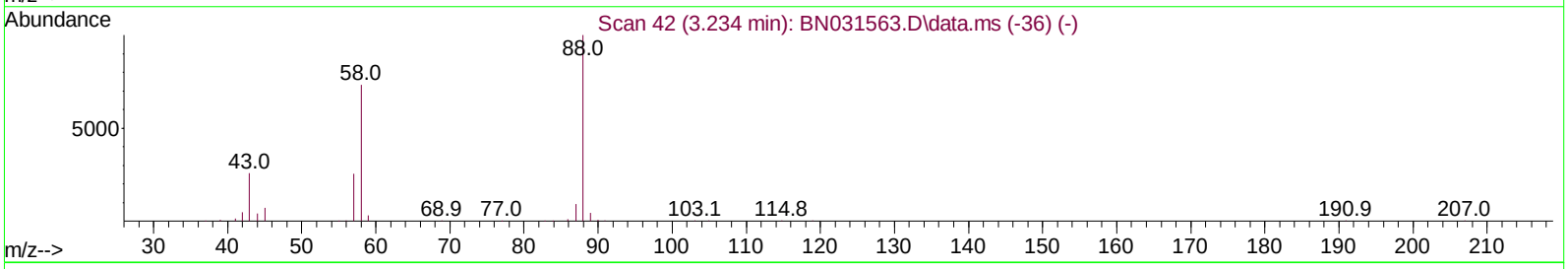

TIC: BN031566.D\data.ms

(2) 1,4-Dioxane

3.234min (+ 0.000) 1.09 ng/uL m

response 13494

Ion	Exp%	Act%
88.00	100.00	100.00
43.00	28.20	25.72
58.00	71.40	67.24
0.00	0.00	0.00

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.693	152	477196	20.000	ng/ul	0.00
20) Naphthalene-d8	10.475	136	2127977	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.334	164	1369057	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.075	188	2821901	20.000	ng/ul	0.00
79) Chrysene-d12	21.304	240	2409106	20.000	ng/ul	0.00
88) Perylene-d12	24.239	264	2021919	20.000	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.199	96	61289	5.290	ng/uL	0.00
4) Pyridine-d5	3.599	84	890556	25.141	ng/ul	0.00
7) Phenol-d5	6.858	99	1028341	25.391	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.034	67	660986	24.930	ng/ul	0.00
11) 2-Chlorophenol-d4	7.228	132	751951	27.086	ng/ul	0.00
15) 4-Methylphenol-d8	8.393	113	777194	24.991	ng/ul	0.00
21) Nitrobenzene-d5	8.846	128	394750	28.147	ng/ul	0.00
24) 2-Nitrophenol-d4	9.563	143	318375	30.080	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.093	165	692304	26.328	ng/ul	0.00
31) 4-Chloroaniline-d4	10.616	131	1124989	24.054	ng/ul	0.00
46) Dimethylphthalate-d6	13.746	166	2291436	26.462	ng/ul	0.00
49) Acenaphthylene-d8	14.022	160	2740423	25.902	ng/ul	0.00
54) 4-Nitrophenol-d4	14.522	143	394876	23.776	ng/ul	0.00
60) Fluorene-d10	15.328	176	2086774	26.350	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.440	200	218352	21.611	ng/ul	0.00
73) Anthracene-d10	17.175	188	2924701	24.239	ng/ul	0.00
81) Pyrene-d10	19.469	212	3459541	28.924	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.033	264	2498853	27.845	ng/ul	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.234	88	13494m	1.091	ng/uL	
5) Pyridine	3.623	79	166914	4.697	ng/ul#	79
6) Benzaldehyde	6.840	77	131920	6.367	ng/ul	99
8) Phenol	6.881	94	200287	4.682	ng/ul	99
10) Bis(2-Chloroethyl)ether	7.128	93	173757	4.852	ng/ul	96
12) 2-Chlorophenol	7.258	128	148012	4.891	ng/ul	97
13) 2-Methylphenol	8.128	108	134632	4.305	ng/ul	96
14) 2,2'-oxybis(1-Chloropr...	8.216	45	218105	4.689	ng/ul	99
16) Acetophenone	8.511	105	259811	4.916	ng/ul	97
17) N-Nitroso-di-n-propyla...	8.499	70	124151	4.739	ng/ul	97
18) 4-Methylphenol	8.452	108	156574	4.644	ng/ul	98
19) Hexachloroethane	8.763	117	65621	4.766	ng/ul	100
22) Nitrobenzene	8.887	77	196649	5.022	ng/ul	99
23) Isophorone	9.410	82	344366	4.635	ng/ul	99
25) 2-Nitrophenol	9.593	139	68457	5.501	ng/ul	96
26) 2,4-Dimethylphenol	9.652	107	107106	3.208	ng/ul	98
27) Bis(2-Chloroethoxy)met...	9.899	93	236787	4.925	ng/ul	100
29) 2,4-Dichlorophenol	10.122	162	137513	5.145	ng/ul	95
30) Naphthalene	10.528	128	544012	4.902	ng/ul	99
32) 4-Chloroaniline	10.640	127	221471	4.806	ng/ul	99
33) Hexachlorobutadiene	10.810	225	87947	4.934	ng/ul	91
34) Caprolactam	11.422	113	43112	4.266	ng/ul	93
35) 4-Chloro-3-methylphenol	11.757	107	140824	4.544	ng/ul	99

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Manual IntegrationsAPPROVED

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Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
36) 2-Methylnaphthalene	12.146	142	360630	4.997 ng/ul	98
37) 1-Methylnaphthalene	12.363	142	369964	5.059 ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.510	216	179269	4.981 ng/ul	98
40) Hexachlorocyclopentadiene	12.487	237	68595	3.502 ng/ul	95
41) 2,4,6-Trichlorophenol	12.751	196	84500	4.500 ng/ul	97
42) 2,4,5-Trichlorophenol	12.816	196	99817	4.547 ng/ul	99
43) 1,1'-Biphenyl	13.163	154	479929	4.966 ng/ul	100
44) 2-Chloronaphthalene	13.199	162	377121	4.970 ng/ul	97
45) 2-Nitroaniline	13.410	65	82935	4.247 ng/ul	95
47) Dimethylphthalate	13.793	163	450636	4.961 ng/ul	99
48) 2,6-Dinitrotoluene	13.910	165	64775	4.186 ng/ul	92
50) Acenaphthylene	14.051	152	628843	5.053 ng/ul	100
51) 3-Nitroaniline	14.234	138	76933	4.245 ng/ul	94
52) Acenaphthene	14.393	153	402763	4.826 ng/ul	97
53) 2,4-Dinitrophenol	14.440	184	26556	4.029 ng/ul	97
55) 4-Nitrophenol	14.534	109	66047	4.922 ng/ul	92
56) Dibenzofuran	14.728	168	550606	4.869 ng/ul	100
57) 2,4-Dinitrotoluene	14.693	165	100890	4.504 ng/ul	99
58) 2,3,4,6-Tetrachlorophenol	14.951	232	73281	4.608 ng/ul	99
59) Diethylphthalate	15.163	149	429517	4.718 ng/ul	100
61) Fluorene	15.381	166	464856	5.008 ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.381	204	215367	4.862 ng/ul	97
63) 4-Nitroaniline	15.393	138	80419	4.401 ng/ul	98
66) 4,6-Dinitro-2-methylph...	15.451	198	53509	4.788 ng/ul#	92
67) N-Nitrosodiphenylamine	15.592	169	369260	4.825 ng/ul	97
68) 4-Bromophenyl-phenylether	16.275	248	125203	4.883 ng/ul	98
69) Hexachlorobenzene	16.375	284	148439	4.965 ng/ul	96
70) Atrazine	16.545	200	118247	5.242 ng/ul	97
71) Pentachlorophenol	16.722	266	66754	4.403 ng/ul	91
72) Phenanthrene	17.116	178	728681	4.929 ng/ul	99
74) Anthracene	17.204	178	677282	4.543 ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.122	216	170851	4.787 ng/uL	92
76) Pentachlorobenzene	14.646	250	185640	5.373 ng/uL	98
77) Carbazole	17.475	167	614241	4.577 ng/ul	99
78) Di-n-butylphthalate	18.051	149	648999	4.388 ng/ul	99
80) Fluoranthene	19.134	202	780849	5.535 ng/ul	99
82) Pyrene	19.498	202	843797	5.523 ng/ul	97
83) Butylbenzylphthalate	20.410	149	210634	4.373 ng/ul	95
84) 3,3'-Dichlorobenzidine	21.216	252	164795	3.712 ng/ul	100
85) Benzo(a)anthracene	21.286	228	776496	4.903 ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.227	149	346900	4.383 ng/ul	99
87) Chrysene	21.345	228	727129	4.910 ng/ul	95
89) Di-n-octyl phthalate	22.345	149	418969	4.158 ng/ul	100
90) Benzo(b)fluoranthene	23.310	252	574782	5.016 ng/ul	98
91) Benzo(k)fluoranthene	23.369	252	590435	5.042 ng/ul	98
93) Benzo(a)pyrene	24.098	252	524264	4.718 ng/ul	96
94) Indeno(1,2,3-cd)pyrene	27.527	276	477023	3.809 ng/ul	99
95) Dibenzo(a,h)anthracene	27.598	278	399301	3.743 ng/ul	99
96) Benzo(g,h,i)perylene	28.551	276	388239	3.839 ng/ul	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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