Quantitation Report (Qedit)

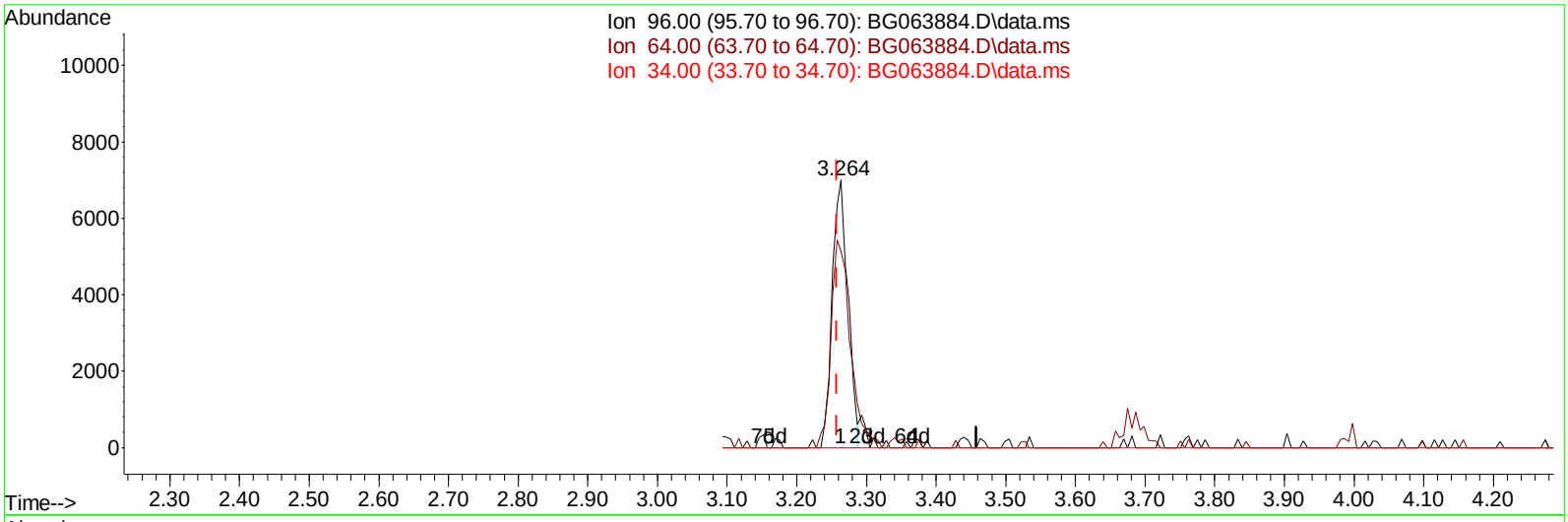
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122624\
Data File : BG063884.D
Acq On : 28 Dec 2024 1:34
Operator : RC/JU
Sample : P5378-04MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

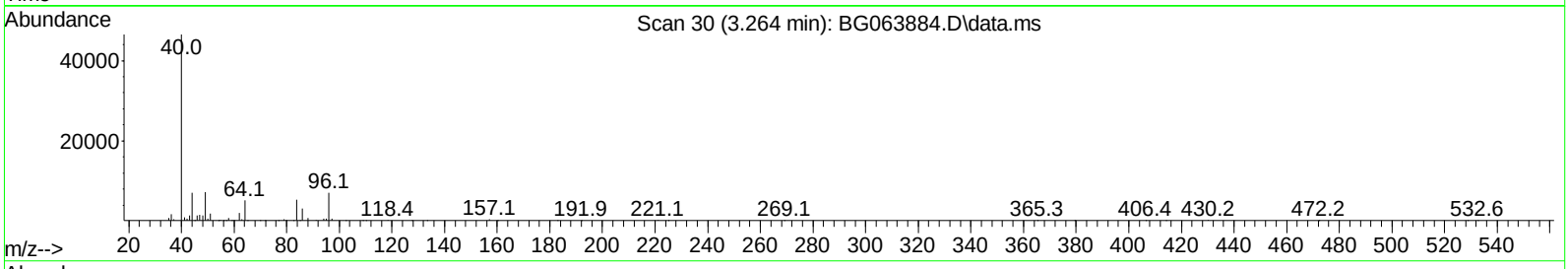
Quant Time: Dec 28 02:09:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 24 00:44:39 2024
Response via : Initial Calibration

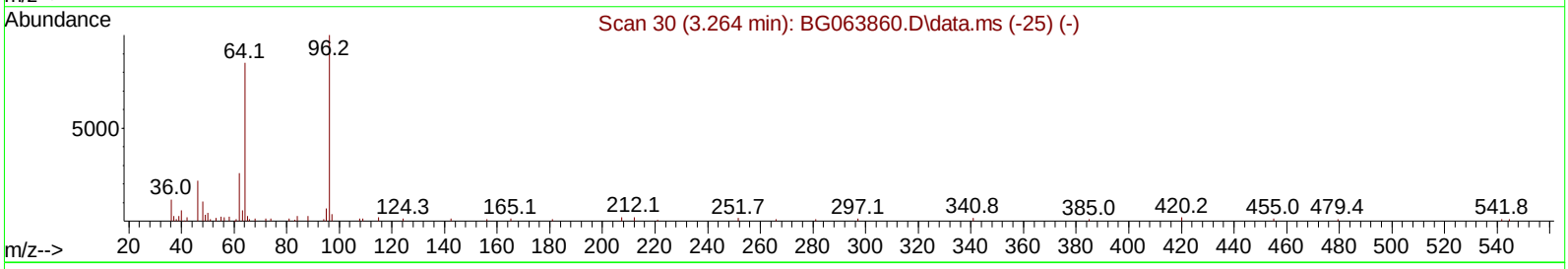
Instrument :
BNA_G
ClientSampleId :
YE634MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024







TIC: BG063884.D\data.ms

(3) 1,4-Dioxane-d8 (S)

3.264min (+ 0.006) 3.96 ng/uL

response 11020

Ion	Exp%	Act%
96.00	100.00	100.00
64.00	82.80	73.41
34.00	0.00	0.00
0.00	0.00	0.00

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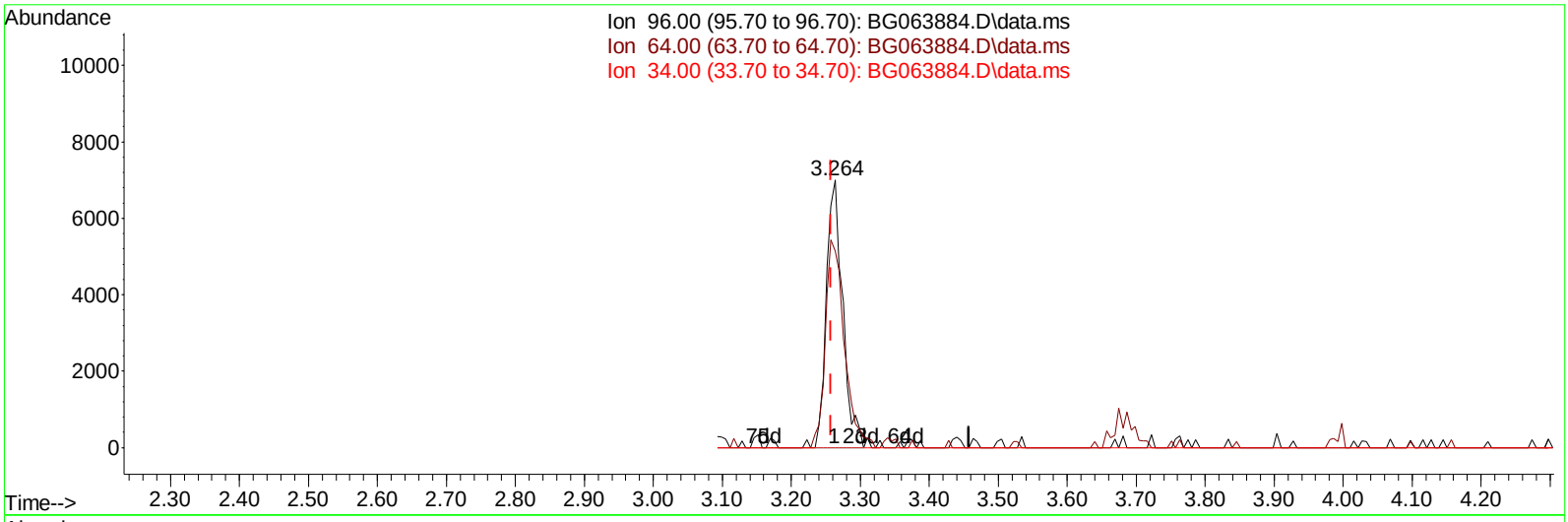

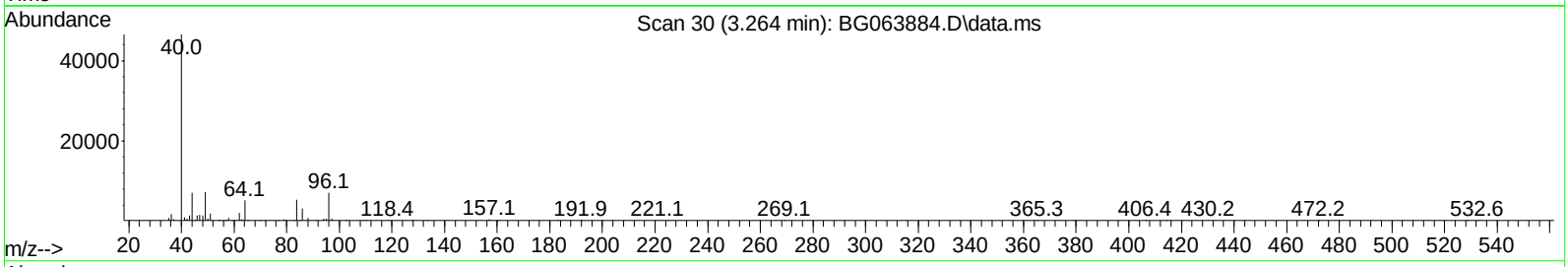

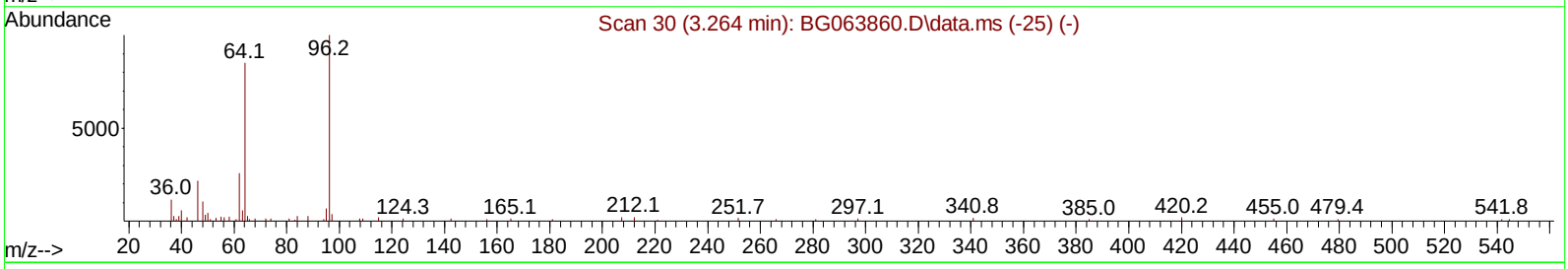

TIC: BG063884.D\data.ms

(3) 1,4-Dioxane-d8 (S)

3.264min (+ 0.006) 4.13 ng/uL m

response 11512

Ion	Exp%	Act%
96.00	100.00	100.00
64.00	82.80	73.41
34.00	0.00	0.00
0.00	0.00	0.00

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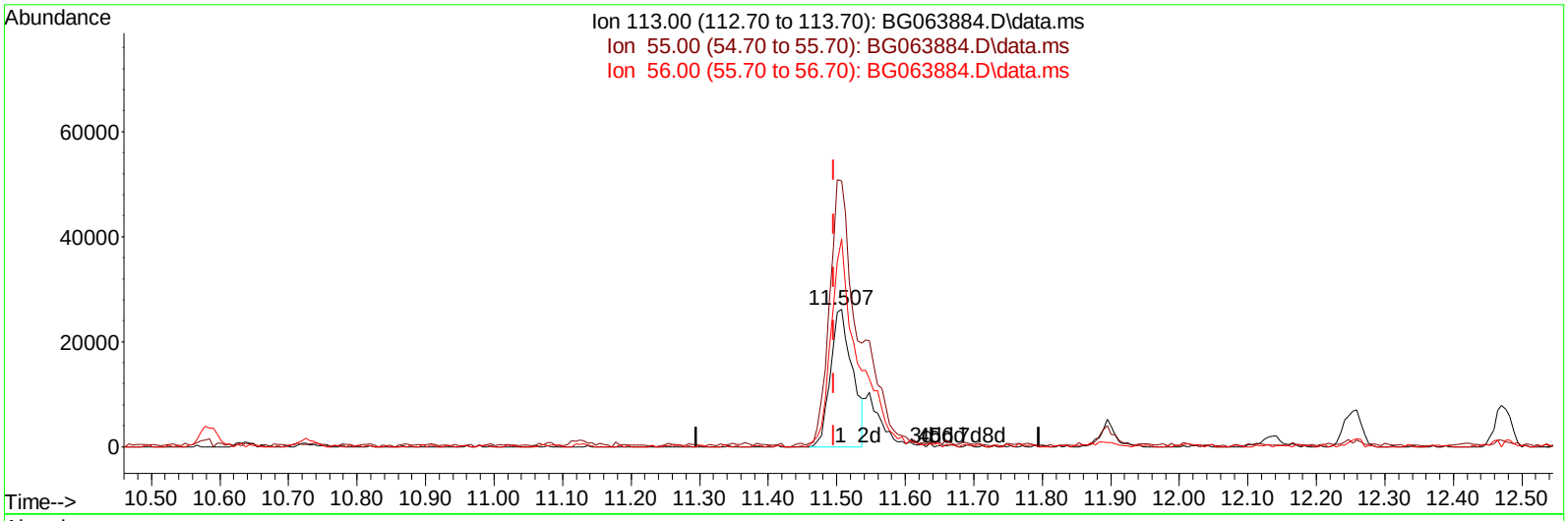

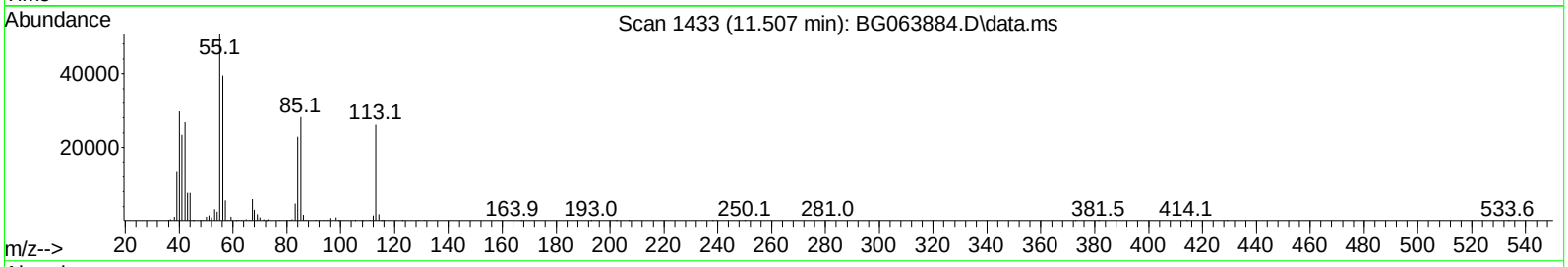

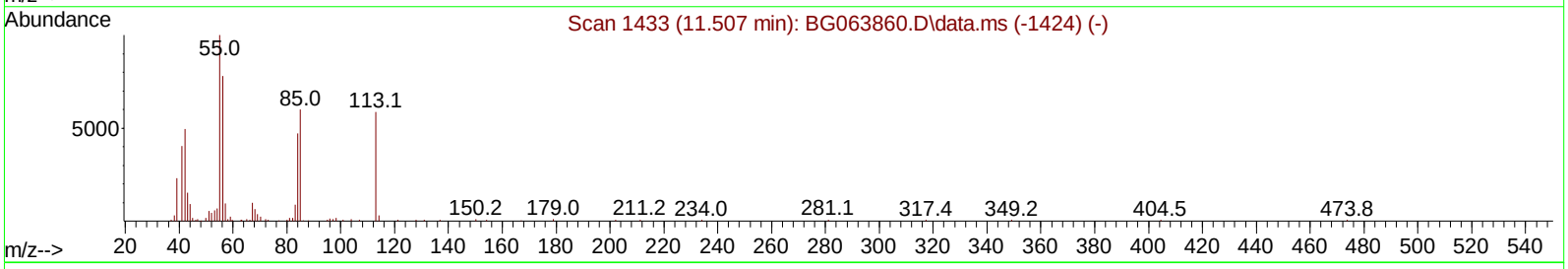

TIC: BG063884.D\data.ms

(34) Caprolactam

11.507min (+ 0.012) 24.84 ng/ul

response 58022

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	202.90	193.49
56.00	133.90	151.30
0.00	0.00	0.00

Quantitation Report (Qedit)

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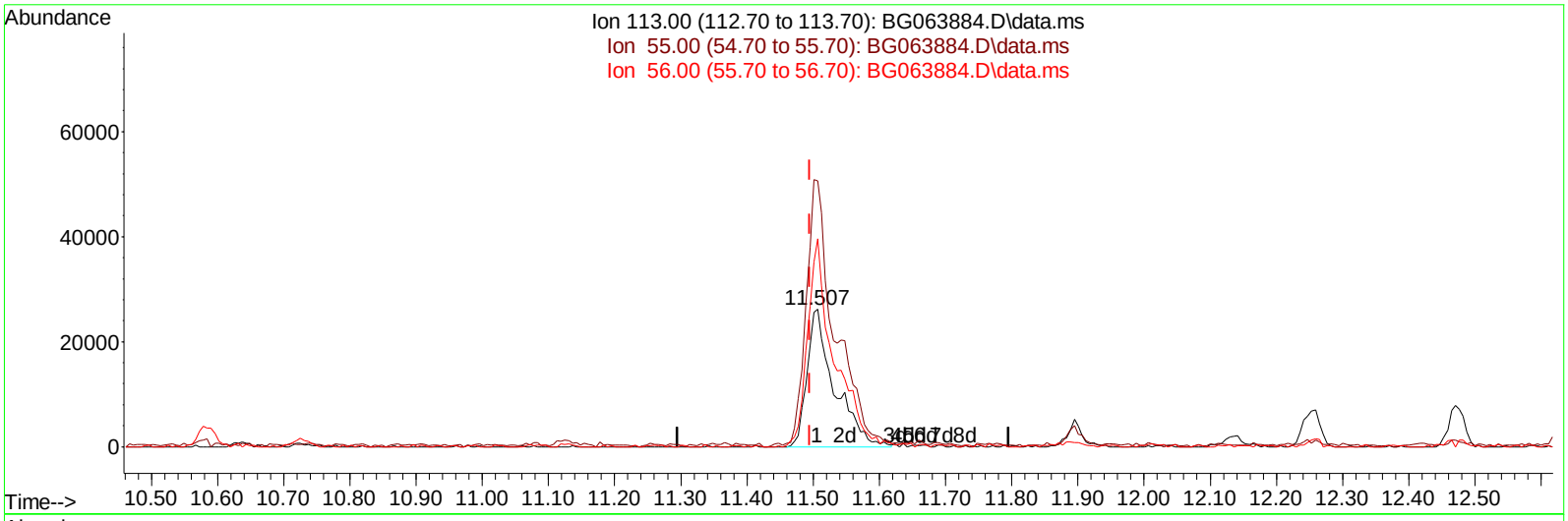

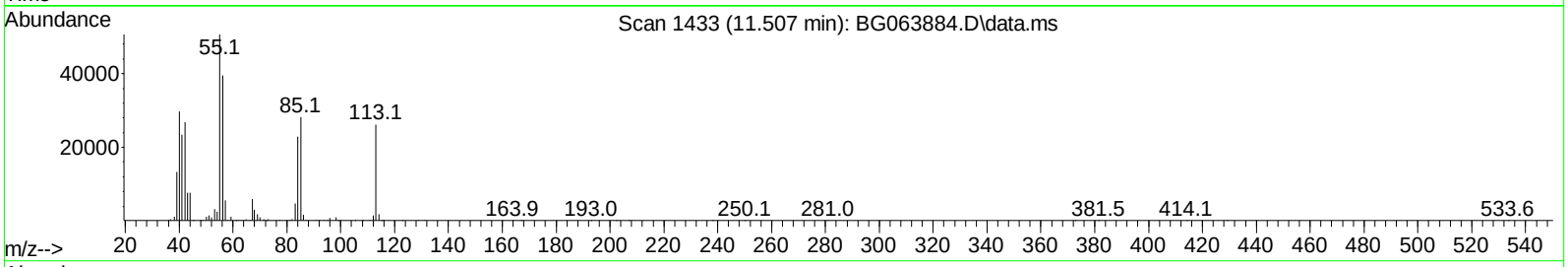

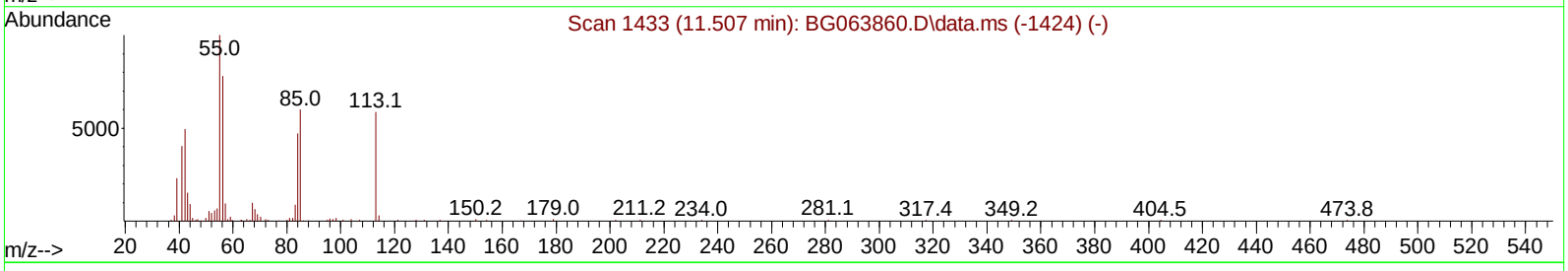

TIC: BG063884.D\data.ms

(34) Caprolactam

11.507min (+ 0.012) 32.19 ng/ul m

response 75178

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	202.90	193.49
56.00	133.90	151.30
0.00	0.00	0.00

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Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/30/2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.799	152	109106	20.000	ng/ul	0.00
20) Naphthalene-d8	10.584	136	438804	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.445	164	302569	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.194	188	715232	20.000	ng/ul	0.00
79) Chrysene-d12	21.454	240	757892	20.000	ng/ul	0.02
88) Perylene-d12	24.468	264	769127	20.000	ng/ul	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.264	96	11512m	4.135	ng/uL	0.00
4) Pyridine-d5	3.669	84	183879	20.936	ng/ul	0.00
7) Phenol-d5	6.989	99	212378	21.135	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.130	67	143153	20.627	ng/ul	0.00
11) 2-Chlorophenol-d4	7.335	132	141507	21.752	ng/ul	0.00
15) 4-Methylphenol-d8	8.516	113	168151	21.553	ng/ul	0.00
21) Nitrobenzene-d5	8.957	128	74213	23.687	ng/ul	0.00
24) 2-Nitrophenol-d4	9.674	143	80309	22.867	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.220	165	166701	24.516	ng/ul	0.00
31) 4-Chloroaniline-d4	10.725	131	187843	21.757	ng/ul	0.00
46) Dimethylphthalate-d6	13.845	166	501843	24.375	ng/ul	0.00
49) Acenaphthylene-d8	14.133	160	579519	24.692	ng/ul	0.00
54) 4-Nitrophenol-d4	14.680	143	71225	24.416	ng/ul	0.01
60) Fluorene-d10	15.438	176	441032	24.228	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.579	200	65286	17.581	ng/ul	0.01
73) Anthracene-d10	17.294	188	773362	25.150	ng/ul	0.00
81) Pyrene-d10	19.597	212	898148	22.773	ng/ul	0.01
92) Benzo(a)pyrene-d12	24.268	264	855735	23.692	ng/ul	0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.299	88	38259	11.611	ng/uL#	86
5) Pyridine	3.687	79	277589	29.507	ng/ul	94
6) Benzaldehyde	6.942	77	46786	7.591	ng/ul	88
8) Phenol	7.012	94	317360	29.634	ng/ul	95
10) Bis(2-Chloroethyl)ether	7.224	93	230219	28.097	ng/ul	98
12) 2-Chlorophenol	7.370	128	199732	30.331	ng/ul	96
13) 2-Methylphenol	8.252	108	223215	28.838	ng/ul	98
14) 2,2'-oxybis(1-Chloropr...	8.316	45	348312	28.634	ng/ul	99
16) Acetophenone	8.616	105	366942	27.730	ng/ul	92
17) N-Nitroso-di-n-propyla...	8.598	70	213687	27.064	ng/ul	92
18) 4-Methylphenol	8.581	108	252405	29.795	ng/ul	97
19) Hexachloroethane	8.869	117	91642	28.323	ng/ul	96
22) Nitrobenzene	8.992	77	312624	29.880	ng/ul	99
23) Isophorone	9.515	82	584864	29.586	ng/ul	98
25) 2-Nitrophenol	9.703	139	120036	33.257	ng/ul	93
26) 2,4-Dimethylphenol	9.774	107	263089	32.122	ng/ul	97
27) Bis(2-Chloroethoxy)met...	9.997	93	330880	30.946	ng/ul	96
29) 2,4-Dichlorophenol	10.249	162	221829	32.833	ng/ul	97
30) Naphthalene	10.637	128	688134	31.366	ng/ul	98
32) 4-Chloroaniline	10.749	127	154393	18.795	ng/ul	98
33) Hexachlorobutadiene	10.919	225	156164	28.450	ng/ul	99
34) Caprolactam	11.507	113	75178m	32.189	ng/ul	
35) 4-Chloro-3-methylphenol	11.895	107	251867	31.753	ng/ul	91

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Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 2-Methylnaphthalene	12.253	142	481949	30.566	ng/ul	99
37) 1-Methylnaphthalene	12.470	142	484601	30.172	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.629	216	294972	30.453	ng/ul	96
40) Hexachlorocyclopentadiene	12.606	237	54090	14.126	ng/ul#	94
41) 2,4,6-Trichlorophenol	12.876	196	183939	33.599	ng/ul#	93
42) 2,4,5-Trichlorophenol	12.958	196	198434	34.732	ng/ul	98
43) 1,1'-Biphenyl	13.269	154	666005	33.377	ng/ul	93
44) 2-Chloronaphthalene	13.311	162	529230	33.029	ng/ul	97
45) 2-Nitroaniline	13.522	65	191139	35.612	ng/ul	96
47) Dimethylphthalate	13.898	163	663819	32.171	ng/ul	97
48) 2,6-Dinitrotoluene	14.022	165	132762	34.644	ng/ul#	90
50) Acenaphthylene	14.163	152	833678	33.128	ng/ul	100
51) 3-Nitroaniline	14.351	138	128637	36.307	ng/ul	91
52) Acenaphthene	14.503	153	587007	32.910	ng/ul	94
53) 2,4-Dinitrophenol	14.580	184	46123	23.551	ng/ul	88
55) 4-Nitrophenol	14.691	109	90774	29.968	ng/ul	93
56) Dibenzofuran	14.844	168	840344	33.417	ng/ul	98
57) 2,4-Dinitrotoluene	14.821	165	208908	36.688	ng/ul	94
58) 2,3,4,6-Tetrachlorophenol	15.079	232	163062	33.110	ng/ul#	98
59) Diethylphthalate	15.267	149	659196	33.047	ng/ul	97
61) Fluorene	15.496	166	658394	32.789	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.485	204	345683	30.901	ng/ul	97
63) 4-Nitroaniline	15.520	138	148436	41.848	ng/ul	97
66) 4,6-Dinitro-2-methylph...	15.590	198	108556	28.375	ng/ul#	96
67) N-Nitrosodiphenylamine	15.702	169	572130	33.034	ng/ul	100
68) 4-Bromophenyl-phenylether	16.383	248	231126	31.708	ng/ul	96
69) Hexachlorobenzene	16.507	284	262130	32.097	ng/ul	96
70) Atrazine	16.660	200	250425	34.205	ng/ul	94
71) Pentachlorophenol	16.859	266	110317	32.038	ng/ul	93
72) Phenanthrene	17.241	178	1179822	34.231	ng/ul	100
74) Anthracene	17.329	178	1191257	34.148	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.240	216	293050	30.709	ng/ul	96
76) Pentachlorobenzene	14.768	250	289033	30.573	ng/ul	97
77) Carbazole	17.606	167	1077115	38.144	ng/ul	97
78) Di-n-butylphthalate	18.164	149	1271992	37.298	ng/ul	98
80) Fluoranthene	19.262	202	1465382	32.690	ng/ul	97
82) Pyrene	19.627	202	1545924	32.415	ng/ul	95
83) Butylbenzylphthalate	20.520	149	574136	39.217	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.354	252	400929	29.304	ng/ul	96
85) Benzo(a)anthracene	21.430	228	1516976	31.938	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.342	149	851671	39.992	ng/ul	97
87) Chrysene	21.495	228	1424124	31.459	ng/ul	100
89) Di-n-octyl phthalate	22.476	149	1424784	42.919	ng/ul	100
90) Benzo(b)fluoranthene	23.522	252	1427513	32.656	ng/ul	100
91) Benzo(k)fluoranthene	23.581	252	1493929	34.261	ng/ul	99
93) Benzo(a)pyrene	24.333	252	1346351	32.813	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	27.888	276	1698594	33.898	ng/ul	98
95) Dibenzo(a,h)anthracene	27.929	278	1359796	33.915	ng/ul	93
96) Benzo(g,h,i)perylene	28.945	276	1312065	32.998	ng/ul	98

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

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