

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120624\
 Data File : BG063595.D
 Acq On : 6 Dec 2024 16:14
 Operator : RC/JU
 Sample : SSTDICV020
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SICV430

Quant Time: Dec 06 16:52:55 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG120624.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 06 15:14:46 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/10/2024
 Supervised By :mohammad ahmed 12/10/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.817	152	69692	20.000	ng/u1	0.00
20) Naphthalene-d8	10.608	136	309313	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.462	164	271146	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.218	188	714963	20.000	ng/u1	0.00
79) Chrysene-d12	21.477	240	728404	20.000	ng/u1	0.00
88) Perylene-d12	24.509	264	755064	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.281	96	11830	7.494	ng/uL	0.00
4) Pyridine-d5	3.686	84	113361	19.412	ng/u1	0.00
7) Phenol-d5	6.994	99	135478	19.744	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.147	67	106672	22.992	ng/u1	0.00
11) 2-Chlorophenol-d4	7.353	132	87899	21.746	ng/u1	0.00
15) 4-Methylphenol-d8	8.534	113	110565	21.733	ng/u1	0.00
21) Nitrobenzene-d5	8.974	128	46872	21.589	ng/u1	0.00
24) 2-Nitrophenol-d4	9.697	143	50889	20.483	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.238	165	111934	20.924	ng/u1	0.00
31) 4-Chloroaniline-d4	10.749	131	131815	20.390	ng/u1	0.00
46) Dimethylphthalate-d6	13.869	166	420531	21.340	ng/u1	0.00
49) Acenaphthylene-d8	14.156	160	460375	21.373	ng/u1	0.00
54) 4-Nitrophenol-d4	14.679	143	49060	19.443	ng/u1	0.00
60) Fluorene-d10	15.461	176	384007	19.769	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.596	200	74981	18.564	ng/u1	0.00
73) Anthracene-d10	17.317	188	688923	21.103	ng/u1	0.00
81) Pyrene-d10	19.615	212	878976	21.770	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.303	264	782379	20.631	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.316	88	17047	8.110	ng/uL#	82
5) Pyridine	3.704	79	110400	18.204	ng/u1#	83
6) Benzaldehyde	6.959	77	83532	19.024	ng/u1	94
8) Phenol	7.018	94	147626	20.014	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.241	93	105886	20.777	ng/u1	94
12) 2-Chlorophenol	7.388	128	88087	21.535	ng/u1	96
13) 2-Methylphenol	8.263	108	110719	21.511	ng/u1	95
14) 2,2'-oxybis(1-Chloropr...	8.334	45	155488	22.689	ng/u1	95
16) Acetophenone	8.639	105	200325	21.389	ng/u1	97
17) N-Nitroso-di-n-propyla...	8.622	70	115441	21.634	ng/u1#	95
18) 4-Methylphenol	8.592	108	117184	20.733	ng/u1	96
19) Hexachloroethane	8.898	117	45831	20.968	ng/u1	96
22) Nitrobenzene	9.015	77	175338	19.964	ng/u1	96
23) Isophorone	9.532	82	316301	19.975	ng/u1#	98
25) 2-Nitrophenol	9.726	139	54713	22.101	ng/u1	93
26) 2,4-Dimethylphenol	9.791	107	120241	17.824	ng/u1#	85
27) Bis(2-Chloroethoxy)met...	10.020	93	154599	20.896	ng/u1	96
29) 2,4-Dichlorophenol	10.267	162	106210	19.807	ng/u1	95
30) Naphthalene	10.661	128	330399	20.750	ng/u1	96
32) 4-Chloroaniline	10.772	127	131825	21.526	ng/u1	98
33) Hexachlorobutadiene	10.948	225	102232	18.477	ng/u1	99
34) Caprolactam	11.524	113	34709m	19.772	ng/u1	
35) 4-Chloro-3-methylphenol	11.906	107	146452	21.894	ng/u1	93
36) 2-Methylnaphthalene	12.270	142	273172	22.253	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.494	142	244809	19.669	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.646	216	197948	18.778	ng/ul	98
40) Hexachlorocyclopentadiene	12.623	237	70702	16.066	ng/ul#	91
41) 2,4,6-Trichlorophenol	12.893	196	110238	21.205	ng/ul	94
42) 2,4,5-Trichlorophenol	12.970	196	116118	20.703	ng/ul	98
43) 1,1'-Biphenyl	13.293	154	377498	20.974	ng/ul	93
44) 2-Chloronaphthalene	13.334	162	305215	20.575	ng/ul	93
45) 2-Nitroaniline	13.540	65	106152	21.905	ng/ul#	85
47) Dimethylphthalate	13.921	163	423260	21.230	ng/ul#	97
48) 2,6-Dinitrotoluene	14.039	165	81196	22.073	ng/ul	98
50) Acenaphthylene	14.186	152	496274	21.909	ng/ul	98
51) 3-Nitroaniline	14.368	138	81115	26.165	ng/ul	91
52) Acenaphthene	14.527	153	345145	20.985	ng/ul	93
53) 2,4-Dinitrophenol	14.591	184	34255m	18.865	ng/ul	
55) 4-Nitrophenol	14.697	109	75110	19.374	ng/ul	97
56) Dibenzofuran	14.861	168	515345	20.273	ng/ul	91
57) 2,4-Dinitrotoluene	14.838	165	122254	21.073	ng/ul	90
58) 2,3,4,6-Tetrachlorophenol	15.014	232	113842	21.701	ng/ul	94
59) Diethylphthalate	15.290	149	415961	21.411	ng/ul	99
61) Fluorene	15.514	166	413412	19.967	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.508	204	243110	18.233	ng/ul	99
63) 4-Nitroaniline	15.537	138	76676	22.999	ng/ul	94
66) 4,6-Dinitro-2-methylph...	15.608	198	74596	18.498	ng/ul#	98
67) N-Nitrosodiphenylamine	15.725	169	363775	21.726	ng/ul	94
68) 4-Bromophenyl-phenylether	16.407	248	173271	20.510	ng/ul	92
69) Hexachlorobenzene	16.524	284	183697	20.200	ng/ul	94
70) Atrazine	16.677	200	160935	20.563	ng/ul	94
71) Pentachlorophenol	16.883	266	54990m	17.198	ng/ul	
72) Phenanthrene	17.259	178	738148	20.960	ng/ul	98
74) Anthracene	17.353	178	758872	20.867	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.257	216	199488	19.770	ng/ul	94
76) Pentachlorobenzene	14.785	250	213799	20.281	ng/ul	98
77) Carbazole	17.623	167	627159	21.525	ng/ul	98
78) Di-n-butylphthalate	18.187	149	651119	20.933	ng/ul	99
80) Fluoranthene	19.280	202	976162	21.513	ng/ul	99
82) Pyrene	19.644	202	1025050	21.250	ng/ul	97
83) Butylbenzylphthalate	20.543	149	224297	22.082	ng/ul	93
84) 3,3'-Dichlorobenzidine	21.377	252	286799	23.000	ng/ul#	93
85) Benzo(a)anthracene	21.454	228	1003288	20.424	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.372	149	331488	21.706	ng/ul	99
87) Chrysene	21.518	228	936109	20.285	ng/ul	99
89) Di-n-octyl phthalate	22.517	149	590269	22.369	ng/ul	100
90) Benzo(b)fluoranthene	23.551	252	952329m	20.304	ng/ul	
91) Benzo(k)fluoranthene	23.616	252	961650	20.626	ng/ul	98
93) Benzo(a)pyrene	24.368	252	912735	20.748	ng/ul#	98
94) Indeno(1,2,3-cd)pyrene	27.940	276	1076015	20.276	ng/ul#	97
95) Dibenzo(a,h)anthracene	27.981	278	866590	20.361	ng/ul#	96
96) Benzo(g,h,i)perylene	29.004	276	792557	19.650	ng/ul	98

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

