

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071724\
 Data File : BG062115.D
 Acq On : 17 Jul 2024 16:25
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020577

Quant Time: Jul 18 02:08:51 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jul 16 12:23:16 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/18/2024
 Supervised By :mohammad ahmed 07/18/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.046	152	23254	20.000	ng/u1	0.00
20) Naphthalene-d8	10.855	136	117116	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.680	164	89028	20.000	ng/u1	0.00
74) Phenanthrene-d10	17.423	188	204858	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.683	240	172763	20.000	ng/u1	# 0.00
88) Perylene-d12	24.903	264	203014	20.000	ng/u1	#-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.434	96	3568	5.766	ng/uL	0.00
4) Pyridine-d5	3.857	84	31040m	16.313	ng/u1	0.00
7) Phenol-d5	7.218	99	46438	18.248	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.365	67	24913	15.459	ng/u1	0.00
11) 2-Chlorophenol-d4	7.582	132	35214	20.173	ng/u1	0.00
15) 4-Methylphenol-d8	8.769	113	36405	18.169	ng/u1	0.00
21) Nitrobenzene-d5	9.210	128	18667	20.957	ng/u1	-0.01
24) 2-Nitrophenol-d4	9.932	143	22500	22.120	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.485	165	43097	21.967	ng/u1	0.00
31) 4-Chloroaniline-d4	10.996	131	57804	20.293	ng/u1	0.00
46) Dimethylphthalate-d6	14.080	166	141693	19.359	ng/u1	0.00
49) Acenaphthylene-d8	14.374	160	153255	20.024	ng/u1	0.00
54) 4-Nitrophenol-d4	14.903	143	17921	15.332	ng/u1	0.00
60) Fluorene-d10	15.667	176	125553	20.376	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.796	200	23768	22.092	ng/u1	0.00
73) Anthracene-d10	17.523	188	198773	20.782	ng/u1	0.00
81) Pyrene-d10	19.803	212	209272	20.594	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.680	264	212802	21.135	ng/u1	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.475	88	4620m	6.764	ng/uL	
5) Pyridine	3.875	79	33077	16.951	ng/u1	94
6) Benzaldehyde	7.183	77	28823	21.400	ng/u1	99
8) Phenol	7.247	94	45186	17.343	ng/u1#	75
10) Bis(2-Chloroethyl)ether	7.459	93	31142	15.559	ng/u1#	95
12) 2-Chlorophenol	7.611	128	34781	19.557	ng/u1	90
13) 2-Methylphenol	8.499	108	35252	18.957	ng/u1	96
14) 2,2'-oxybis(1-Chloropr...	8.563	45	59835	13.683	ng/u1#	96
16) Acetophenone	8.869	105	64265	19.417	ng/u1#	93
17) N-Nitroso-di-n-propyla...	8.851	70	33056	17.840	ng/u1#	75
18) 4-Methylphenol	8.828	108	40821	19.601	ng/u1	95
19) Hexachloroethane	9.121	117	17247	22.356	ng/u1	97
22) Nitrobenzene	9.257	77	52434	20.738	ng/u1	96
23) Isophorone	9.774	82	95016	16.634	ng/u1#	92
25) 2-Nitrophenol	9.967	139	21414	20.644	ng/u1#	72
26) 2,4-Dimethylphenol	10.032	107	52208	21.030	ng/u1	93
27) Bis(2-Chloroethoxy)met...	10.255	93	47269	15.027	ng/u1#	96
29) 2,4-Dichlorophenol	10.514	162	40076	21.746	ng/u1#	89
30) Naphthalene	10.908	128	130980	20.360	ng/u1	98
32) 4-Chloroaniline	11.019	127	55721	19.936	ng/u1	95
33) Hexachlorobutadiene	11.172	225	32395	23.359	ng/u1	90
34) Caprolactam	11.795	113	13393m	18.549	ng/u1	
35) 4-Chloro-3-methylphenol	12.153	107	50703	20.657	ng/u1	89
36) 2-Methylnaphthalene	12.512	142	98891	21.218	ng/u1	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.729	142	98726	20.384	ng/ul#	95
39) 1,2,4,5-Tetrachloroben...	12.870	216	57900	21.657	ng/ul	96
40) Hexachlorocyclopentadiene	12.841	237	35601	20.003	ng/ul	89
41) 2,4,6-Trichlorophenol	13.123	196	36989	20.830	ng/ul	96
42) 2,4,5-Trichlorophenol	13.205	196	40405	20.713	ng/ul	100
43) 1,1'-Biphenyl	13.510	154	138011	20.119	ng/ul#	95
44) 2-Chloronaphthalene	13.557	162	103369	20.079	ng/ul	95
45) 2-Nitroaniline	13.769	65	42380	20.557	ng/ul	93
47) Dimethylphthalate	14.127	163	133510	18.964	ng/ul	98
48) 2,6-Dinitrotoluene	14.257	165	30469	22.814	ng/ul	92
50) Acenaphthylene	14.403	152	167943	19.994	ng/ul	97
51) 3-Nitroaniline	14.591	138	28609	22.006	ng/ul#	90
52) Acenaphthene	14.744	153	113694	19.602	ng/ul	96
53) 2,4-Dinitrophenol	14.797	184	10467	15.001	ng/ul	94
55) 4-Nitrophenol	14.920	109	31116m	23.324	ng/ul	
56) Dibenzofuran	15.073	168	166938	20.364	ng/ul	97
57) 2,4-Dinitrotoluene	15.044	165	44386	22.662	ng/ul#	78
58) 2,3,4,6-Tetrachlorophenol	15.308	232	33811	19.195	ng/ul#	92
59) Diethylphthalate	15.485	149	148276	19.545	ng/ul#	94
61) Fluorene	15.725	166	137921	19.784	ng/ul#	98
62) 4-Chlorophenyl-phenyle...	15.714	204	74751	21.347	ng/ul	94
63) 4-Nitroaniline	15.755	138	29635	22.465	ng/ul#	67
66) 4,6-Dinitro-2-methylph...	15.808	198	23383	20.195	ng/ul#	88
67) N-Nitrosodiphenylamine	15.931	169	114273	20.426	ng/ul	96
68) 4-Bromophenyl-phenylether	16.607	248	52897	22.761	ng/ul	94
69) Hexachlorobenzene	16.724	284	61881	23.156	ng/ul	96
70) Atrazine	16.877	200	49362	22.351	ng/ul	92
71) Pentachlorophenol	17.077	266	17840m	12.145	ng/ul	
72) Phenanthrene	17.465	178	214827	19.888	ng/ul	99
74) Anthracene	17.559	178	220824	19.782	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.475	216	61862	24.314	ng/ul	99
76) Pentachlorobenzene	14.991	250	69695	24.017	ng/ul	96
77) Carbazole	17.829	167	187006	19.906	ng/ul	97
78) Di-n-butylphthalate	18.369	149	233535	19.362	ng/ul	99
80) Fluoranthene	19.474	202	243237	20.226	ng/ul#	87
82) Pyrene	19.832	202	250181	20.140	ng/ul#	87
83) Butylbenzylphthalate	20.708	149	96474	18.505	ng/ul#	95
84) 3,3'-Dichlorobenzidine	21.577	252	95046	23.125	ng/ul	94
85) Benzo(a)anthracene	21.666	228	250792	20.050	ng/ul	96
86) Bis(2-ethylhexyl)phtha...	21.548	149	131986	17.643	ng/ul	97
87) Chrysene	21.730	228	233539	19.944	ng/ul	100
89) Di-n-octyl phthalate	22.758	149	235135	18.958	ng/ul	100
90) Benzo(b)fluoranthene	23.881	252	256127	20.025	ng/ul#	97
91) Benzo(k)fluoranthene	23.945	252	264204	20.714	ng/ul#	96
93) Benzo(a)pyrene	24.750	252	246203	20.327	ng/ul#	95
94) Indeno(1,2,3-cd)pyrene	28.575	276	325775m	21.048	ng/ul	
95) Dibenzo(a,h)anthracene	28.634	278	282343	22.087	ng/ul#	95
96) Benzo(g,h,i)perylene	29.738	276	258728	21.012	ng/ul#	93

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

