

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071724\
 Data File : BG062106.D
 Acq On : 17 Jul 2024 10:13
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020576

Manual Integrations
 APPROVED

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

Quant Time: Jul 18 01:39:48 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.046	152	22862	20.000	ng/u1	0.00
20) Naphthalene-d8	10.855	136	118799	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.680	164	90443	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.423	188	214493	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.689	240	182763	20.000	ng/u1	# 0.00
88) Perylene-d12	24.915	264	213932	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.434	96	5231	8.598	ng/uL	0.00
4) Pyridine-d5	3.851	84	33453	17.883	ng/u1	0.00
7) Phenol-d5	7.212	99	46528	18.597	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.365	67	25049	15.810	ng/u1	0.00
11) 2-Chlorophenol-d4	7.576	132	34682	20.209	ng/u1	0.00
15) 4-Methylphenol-d8	8.763	113	39395	19.998	ng/u1	0.00
21) Nitrobenzene-d5	9.210	128	18410	20.376	ng/u1	-0.01
24) 2-Nitrophenol-d4	9.938	143	24372	23.621	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.490	165	43740	21.978	ng/u1	0.00
31) 4-Chloroaniline-d4	10.996	131	57853	20.023	ng/u1	0.00
46) Dimethylphthalate-d6	14.080	166	151033	20.312	ng/u1	0.00
49) Acenaphthylene-d8	14.374	160	159589	20.526	ng/u1	0.00
54) 4-Nitrophenol-d4	14.897	143	20095	16.923	ng/u1	0.00
60) Fluorene-d10	15.673	176	129374	20.668	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.790	200	26362	23.402	ng/u1	0.00
73) Anthracene-d10	17.523	188	205451	20.516	ng/u1	0.00
81) Pyrene-d10	19.809	212	226836	21.101	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.691	264	222557	20.976	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.469	88	5416	8.066	ng/uL	92
5) Pyridine	3.875	79	31993	16.676	ng/u1	90
6) Benzaldehyde	7.183	77	27376	20.674	ng/u1	91
8) Phenol	7.241	94	44412	17.338	ng/u1#	68
10) Bis(2-Chloroethyl)ether	7.459	93	32060	16.292	ng/u1	96
12) 2-Chlorophenol	7.606	128	35749	20.446	ng/u1	93
13) 2-Methylphenol	8.499	108	37001	20.238	ng/u1	85
14) 2,2'-oxybis(1-Chloropr...	8.557	45	63230	14.708	ng/u1#	95
16) Acetophenone	8.869	105	64894	19.943	ng/u1	92
17) N-Nitroso-di-n-propyla...	8.845	70	34444	18.908	ng/u1	92
18) 4-Methylphenol	8.828	108	39373	19.230	ng/u1	97
19) Hexachloroethane	9.121	117	16068	21.184	ng/u1#	76
22) Nitrobenzene	9.257	77	52762	20.572	ng/u1	94
23) Isophorone	9.774	82	102247	17.647	ng/u1#	98
25) 2-Nitrophenol	9.973	139	22283	21.177	ng/u1#	80
26) 2,4-Dimethylphenol	10.026	107	54218	21.530	ng/u1	90
27) Bis(2-Chloroethoxy)met...	10.255	93	50442	15.809	ng/u1	99
29) 2,4-Dichlorophenol	10.514	162	42074	22.506	ng/u1	97
30) Naphthalene	10.908	128	131178	20.102	ng/u1	97
32) 4-Chloroaniline	11.019	127	58006	20.460	ng/u1	99
33) Hexachlorobutadiene	11.178	225	33599	23.884	ng/u1	94
34) Caprolactam	11.777	113	13360m	18.241	ng/u1	
35) 4-Chloro-3-methylphenol	12.147	107	51223	20.573	ng/u1	97
36) 2-Methylnaphthalene	12.512	142	100232	21.201	ng/u1	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.729	142	104258	21.221	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.876	216	60304	22.203	ng/ul	97
40) Hexachlorocyclopentadiene	12.841	237	34915	19.311	ng/ul	92
41) 2,4,6-Trichlorophenol	13.123	196	37725	20.912	ng/ul	98
42) 2,4,5-Trichlorophenol	13.199	196	40675	20.526	ng/ul	91
43) 1,1'-Biphenyl	13.510	154	141520	20.308	ng/ul#	97
44) 2-Chloronaphthalene	13.557	162	101515	19.410	ng/ul#	83
45) 2-Nitroaniline	13.769	65	45616	21.780	ng/ul	95
47) Dimethylphthalate	14.127	163	145623	20.361	ng/ul	98
48) 2,6-Dinitrotoluene	14.257	165	31568	23.267	ng/ul	94
50) Acenaphthylene	14.403	152	168920	19.795	ng/ul	98
51) 3-Nitroaniline	14.586	138	27100	20.520	ng/ul#	80
52) Acenaphthene	14.744	153	116140	19.710	ng/ul	98
53) 2,4-Dinitrophenol	14.797	184	13592	19.175	ng/ul#	89
55) 4-Nitrophenol	14.921	109	32200	23.759	ng/ul#	72
56) Dibenzofuran	15.079	168	163733	19.661	ng/ul	88
57) 2,4-Dinitrotoluene	15.044	165	45488	22.861	ng/ul#	76
58) 2,3,4,6-Tetrachlorophenol	15.302	232	34087	19.049	ng/ul#	99
59) Diethylphthalate	15.485	149	152743	19.819	ng/ul	98
61) Fluorene	15.725	166	138800	19.598	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.714	204	78755	22.138	ng/ul	89
63) 4-Nitroaniline	15.755	138	28365	21.166	ng/ul#	63
66) 4,6-Dinitro-2-methylph...	15.808	198	29454	24.295	ng/ul#	92
67) N-Nitrosodiphenylamine	15.931	169	120378	20.551	ng/ul	95
68) 4-Bromophenyl-phenylether	16.607	248	54626	22.449	ng/ul	89
69) Hexachlorobenzene	16.724	284	64700	23.123	ng/ul	97
70) Atrazine	16.871	200	51126	22.110	ng/ul	92
71) Pentachlorophenol	17.077	266	29388m	19.108	ng/ul	
72) Phenanthrene	17.470	178	227886	20.149	ng/ul	98
74) Anthracene	17.559	178	235795	20.174	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.475	216	59643	22.389	ng/ul	98
76) Pentachlorobenzene	14.991	250	67215	22.122	ng/ul	96
77) Carbazole	17.829	167	200089	20.342	ng/ul	95
78) Di-n-butylphthalate	18.369	149	245273	19.422	ng/ul#	97
80) Fluoranthene	19.474	202	261489	20.554	ng/ul#	91
82) Pyrene	19.838	202	262594	19.982	ng/ul#	87
83) Butylbenzylphthalate	20.708	149	104735	18.990	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.577	252	99675	22.924	ng/ul	98
85) Benzo(a)anthracene	21.666	228	267263	20.197	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.554	149	145142	18.340	ng/ul	99
87) Chrysene	21.736	228	252098	20.351	ng/ul	97
89) Di-n-octyl phthalate	22.758	149	249995	19.128	ng/ul	100
90) Benzo(b)fluoranthene	23.881	252	281600	20.893	ng/ul#	94
91) Benzo(k)fluoranthene	23.951	252	274708	20.439	ng/ul#	96
93) Benzo(a)pyrene	24.762	252	267217	20.936	ng/ul#	95
94) Indeno(1,2,3-cd)pyrene	28.593	276	352605	21.619	ng/ul#	87
95) Dibenzo(a,h)anthracene	28.646	278	291655	21.651	ng/ul	97
96) Benzo(g,h,i)perylene	29.750	276	288176m	22.209	ng/ul	

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

