

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072324\
 Data File : BG062188.D
 Acq On : 23 Jul 2024 16:33
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020585

Quant Time: Jul 24 01:48:49 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG071924.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jul 19 14:38:52 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 07/24/2024
 Supervised By :mohammad ahmed 07/25/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.064	152	41590	20.000	ng/u1	0.00
20) Naphthalene-d8	10.878	136	184497	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.696	164	160253	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.439	188	410329	20.000	ng/u1	0.00
79) Chrysene-d12	21.704	240	389184	20.000	ng/u1	0.00
88) Perylene-d12	24.935	264	415835	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.458	96	7276	8.168	ng/uL	0.00
4) Pyridine-d5	3.875	84	68101	21.041	ng/u1	0.00
7) Phenol-d5	7.236	99	83837	20.476	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.388	67	43429	18.460	ng/u1	0.00
11) 2-Chlorophenol-d4	7.600	132	51201	19.842	ng/u1	0.00
15) 4-Methylphenol-d8	8.786	113	62412	20.015	ng/u1	0.00
21) Nitrobenzene-d5	9.233	128	29919	20.354	ng/u1	0.00
24) 2-Nitrophenol-d4	9.955	143	35434	20.028	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.508	165	77666	20.970	ng/u1	0.00
31) 4-Chloroaniline-d4	11.019	131	86080	19.321	ng/u1	0.00
46) Dimethylphthalate-d6	14.091	166	254209	18.715	ng/u1	0.00
49) Acenaphthylene-d8	14.391	160	274953	19.963	ng/u1	0.00
54) 4-Nitrophenol-d4	14.919	143	29304	17.903	ng/u1	0.00
60) Fluorene-d10	15.683	176	224210	19.387	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.812	200	44873	17.208	ng/u1	0.00
73) Anthracene-d10	17.539	188	384529	20.061	ng/u1	0.00
81) Pyrene-d10	19.819	212	461549	20.916	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.718	264	422469	20.324	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.494	88	9296	7.961	ng/uL	93
5) Pyridine	3.899	79	70717	21.352	ng/u1	88
6) Benzaldehyde	7.200	77	52998	24.654	ng/u1	98
8) Phenol	7.265	94	81156	20.090	ng/u1	91
10) Bis(2-Chloroethyl)ether	7.482	93	51487	18.504	ng/u1	97
12) 2-Chlorophenol	7.635	128	52465	20.027	ng/u1	96
13) 2-Methylphenol	8.522	108	60526	19.996	ng/u1	85
14) 2,2'-oxybis(1-Chloropr...	8.581	45	95003	19.293	ng/u1#	95
16) Acetophenone	8.892	105	105622	19.401	ng/u1	92
17) N-Nitroso-di-n-propyla...	8.869	70	58596	18.810	ng/u1	91
18) 4-Methylphenol	8.851	108	67968	20.364	ng/u1	99
19) Hexachloroethane	9.151	117	23418	19.968	ng/u1	94
22) Nitrobenzene	9.280	77	87519	18.412	ng/u1#	93
23) Isophorone	9.797	82	175274	18.177	ng/u1#	92
25) 2-Nitrophenol	9.991	139	36991	19.771	ng/u1#	83
26) 2,4-Dimethylphenol	10.049	107	84691	18.863	ng/u1	94
27) Bis(2-Chloroethoxy)met...	10.279	93	81388	18.137	ng/u1	94
29) 2,4-Dichlorophenol	10.531	162	73659	20.935	ng/u1	94
30) Naphthalene	10.931	128	201213	20.217	ng/u1	96
32) 4-Chloroaniline	11.042	127	84262	20.121	ng/u1	94
33) Hexachlorobutadiene	11.195	225	69843	20.891	ng/u1	94
34) Caprolactam	11.806	113	22870	19.036	ng/u1	88
35) 4-Chloro-3-methylphenol	12.170	107	87511	20.742	ng/u1	92
36) 2-Methylnaphthalene	12.528	142	146603	19.512	ng/u1	88

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.746	142	153527	19.817	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.893	216	134508	20.815	ng/ul	97
40) Hexachlorocyclopentadiene	12.857	237	59906	18.902	ng/ul#	94
41) 2,4,6-Trichlorophenol	13.133	196	76296	21.048	ng/ul	86
42) 2,4,5-Trichlorophenol	13.222	196	80187	20.323	ng/ul	97
43) 1,1'-Biphenyl	13.527	154	225638	19.891	ng/ul	95
44) 2-Chloronaphthalene	13.574	162	185933	19.935	ng/ul	96
45) 2-Nitroaniline	13.786	65	66404	19.320	ng/ul	96
47) Dimethylphthalate	14.144	163	237838	18.389	ng/ul#	98
48) 2,6-Dinitrotoluene	14.273	165	50027	18.888	ng/ul	97
50) Acenaphthylene	14.420	152	301533	20.082	ng/ul	98
51) 3-Nitroaniline	14.608	138	45352	21.196	ng/ul#	96
52) Acenaphthene	14.761	153	197896	19.855	ng/ul	99
53) 2,4-Dinitrophenol	14.819	184	28869m	20.360	ng/ul	
55) 4-Nitrophenol	14.937	109	44810	17.886	ng/ul	93
56) Dibenzofuran	15.096	168	301256	20.073	ng/ul	94
57) 2,4-Dinitrotoluene	15.060	165	77138	18.980	ng/ul#	88
58) 2,3,4,6-Tetrachlorophenol	15.325	232	68083	19.612	ng/ul#	88
59) Diethylphthalate	15.495	149	240036	18.770	ng/ul	95
61) Fluorene	15.742	166	247691	19.246	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.730	204	157180	19.722	ng/ul	97
63) 4-Nitroaniline	15.771	138	48269	21.082	ng/ul	90
66) 4,6-Dinitro-2-methylph...	15.824	198	43705	17.852	ng/ul	93
67) N-Nitrosodiphenylamine	15.941	169	202961	20.220	ng/ul	95
68) 4-Bromophenyl-phenylether	16.617	248	100739	21.083	ng/ul	97
69) Hexachlorobenzene	16.740	284	102513	20.217	ng/ul	99
70) Atrazine	16.887	200	104083	20.578	ng/ul	96
71) Pentachlorophenol	17.093	266	49629m	26.542	ng/ul	
72) Phenanthrene	17.481	178	401122	20.314	ng/ul	96
74) Anthracene	17.575	178	404461	19.897	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.498	216	133294	22.679	ng/ul	93
76) Pentachlorobenzene	15.007	250	130719	22.473	ng/ul	96
77) Carbazole	17.845	167	338921	19.609	ng/ul	99
78) Di-n-butylphthalate	18.379	149	380900	19.223	ng/ul	98
80) Fluoranthene	19.484	202	535607	21.159	ng/ul#	98
82) Pyrene	19.848	202	540849	20.549	ng/ul	99
83) Butylbenzylphthalate	20.717	149	159630	20.439	ng/ul	95
84) 3,3'-Dichlorobenzidine	21.593	252	183395	21.712	ng/ul	99
85) Benzo(a)anthracene	21.681	228	546808	20.017	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.563	149	225878	20.174	ng/ul	97
87) Chrysene	21.745	228	503363	20.043	ng/ul	100
89) Di-n-octyl phthalate	22.773	149	387923	20.278	ng/ul	100
90) Benzo(b)fluoranthene	23.901	252	504644	19.643	ng/ul	100
91) Benzo(k)fluoranthene	23.972	252	502098	19.579	ng/ul	99
93) Benzo(a)pyrene	24.782	252	480251	19.960	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.630	276	561060	20.296	ng/ul	97
95) Dibenzo(a,h)anthracene	28.683	278	487046	21.248	ng/ul	100
96) Benzo(g,h,i)perylene	29.782	276	459374m	20.757	ng/ul	

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

