

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071524\
 Data File : BG062068.D
 Acq On : 15 Jul 2024 14:33
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020571

Quant Time: Jul 16 02:39:53 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jul 11 12:11:32 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/16/2024
 Supervised By :mohammad ahmed 07/20/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.040	152	30406	20.000	ng/u1	0.00
20) Naphthalene-d8	10.849	136	154925	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.668	164	122964	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.412	188	312000	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.677	240	296575	20.000	ng/u1	# 0.00
88) Perylene-d12	24.879	264	344823	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.434	96	5956	7.361	ng/uL	0.00
4) Pyridine-d5	3.851	84	42718	17.170	ng/u1	0.00
7) Phenol-d5	7.206	99	60578	18.205	ng/u1	0.01
9) Bis-(2-Chloroethyl)eth...	7.359	67	31775	15.079	ng/u1	0.00
11) 2-Chlorophenol-d4	7.570	132	41942	18.375	ng/u1	0.00
15) 4-Methylphenol-d8	8.745	113	43891	16.753	ng/u1	0.00
21) Nitrobenzene-d5	9.204	128	21226	18.015	ng/u1	0.00
24) 2-Nitrophenol-d4	9.926	143	24386	18.123	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.473	165	49264	18.982	ng/u1	0.00
31) 4-Chloroaniline-d4	10.990	131	70617	18.741	ng/u1	0.00
46) Dimethylphthalate-d6	14.074	166	180975	17.902	ng/u1	0.00
49) Acenaphthylene-d8	14.368	160	192832	18.242	ng/u1	0.00
54) 4-Nitrophenol-d4	14.879	143	26436	16.375	ng/u1	0.00
60) Fluorene-d10	15.661	176	157562	18.514	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.778	200	27659	16.880	ng/u1	0.00
73) Anthracene-d10	17.512	188	262074	17.991	ng/u1	0.00
81) Pyrene-d10	19.797	212	300909	17.250	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.662	264	319438	18.679	ng/u1	0.00
Target Compounds					Qvalue	
2) 1,4-Dioxane	3.469	88	5984	6.700	ng/uL	98
5) Pyridine	3.875	79	46796	18.341	ng/u1	96
6) Benzaldehyde	7.177	77	33027m	18.754	ng/u1	
8) Phenol	7.229	94	58144	17.067	ng/u1#	82
10) Bis(2-Chloroethyl)ether	7.459	93	41368	15.807	ng/u1	91
12) 2-Chlorophenol	7.605	128	42003	18.063	ng/u1	98
13) 2-Methylphenol	8.487	108	43505	17.892	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.563	45	82004	14.342	ng/u1#	91
16) Acetophenone	8.863	105	71261	16.466	ng/u1	91
17) N-Nitroso-di-n-propyla...	8.845	70	38465	15.876	ng/u1#	90
18) 4-Methylphenol	8.810	108	45716	16.788	ng/u1	93
19) Hexachloroethane	9.115	117	19133	18.967	ng/u1	92
22) Nitrobenzene	9.251	77	61027	18.246	ng/u1	99
23) Isophorone	9.768	82	115209	15.247	ng/u1#	92
25) 2-Nitrophenol	9.956	139	25363	18.483	ng/u1#	80
26) 2,4-Dimethylphenol	10.020	107	59978	18.263	ng/u1	99
27) Bis(2-Chloroethoxy)met...	10.249	93	60677	14.582	ng/u1	98
29) 2,4-Dichlorophenol	10.496	162	47180	19.353	ng/u1	98
30) Naphthalene	10.902	128	153803	18.073	ng/u1#	95
32) 4-Chloroaniline	11.013	127	66048	17.864	ng/u1	90
33) Hexachlorobutadiene	11.172	225	36175	19.719	ng/u1	91
34) Caprolactam	11.759	113	16754m	17.541	ng/u1	
35) 4-Chloro-3-methylphenol	12.130	107	64145	19.756	ng/u1	96
36) 2-Methylnaphthalene	12.500	142	113879	18.471	ng/u1	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.723	142	118414	18.482	ng/ul	91
39) 1,2,4,5-Tetrachloroben...	12.864	216	67587	18.303	ng/ul	92
40) Hexachlorocyclopentadiene	12.835	237	42058	17.110	ng/ul#	90
41) 2,4,6-Trichlorophenol	13.111	196	44020	17.948	ng/ul	87
42) 2,4,5-Trichlorophenol	13.187	196	49685	18.441	ng/ul	97
43) 1,1'-Biphenyl	13.504	154	162857	17.189	ng/ul#	96
44) 2-Chloronaphthalene	13.551	162	123351	17.348	ng/ul#	88
45) 2-Nitroaniline	13.757	65	53630	18.834	ng/ul	97
47) Dimethylphthalate	14.121	163	169099	17.391	ng/ul#	94
48) 2,6-Dinitrotoluene	14.245	165	35433	19.209	ng/ul	97
50) Acenaphthylene	14.398	152	208675	17.987	ng/ul	99
51) 3-Nitroaniline	14.580	138	32962	18.357	ng/ul	89
52) Acenaphthene	14.732	153	145310	18.139	ng/ul	91
53) 2,4-Dinitrophenol	14.785	184	20157	20.916	ng/ul	91
55) 4-Nitrophenol	14.897	109	37614	20.414	ng/ul	81
56) Dibenzofuran	15.067	168	205722	18.169	ng/ul	92
57) 2,4-Dinitrotoluene	15.032	165	57335	21.194	ng/ul	88
58) 2,3,4,6-Tetrachlorophenol	15.291	232	45291	18.616	ng/ul#	93
59) Diethylphthalate	15.479	149	186611	17.809	ng/ul	95
61) Fluorene	15.720	166	178120	18.498	ng/ul	95
62) 4-Chlorophenyl-phenyle...	15.708	204	91554	18.929	ng/ul	96
63) 4-Nitroaniline	15.737	138	35104	19.267	ng/ul#	77
66) 4,6-Dinitro-2-methylph...	15.796	198	31981	18.136	ng/ul#	88
67) N-Nitrosodiphenylamine	15.919	169	146215	17.160	ng/ul	98
68) 4-Bromophenyl-phenylether	16.601	248	65819	18.595	ng/ul	96
69) Hexachlorobenzene	16.712	284	77786	19.112	ng/ul#	92
70) Atrazine	16.865	200	63153	18.776	ng/ul	98
71) Pentachlorophenol	17.065	266	42571m	19.029	ng/ul	
72) Phenanthrene	17.459	178	287703	17.488	ng/ul	98
74) Anthracene	17.547	178	294575	17.327	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.469	216	70026	18.071	ng/ul	96
76) Pentachlorobenzene	14.985	250	82957	18.770	ng/ul	98
77) Carbazole	17.817	167	255834	17.881	ng/ul	97
78) Di-n-butylphthalate	18.363	149	309323	16.839	ng/ul	98
80) Fluoranthene	19.462	202	347139	16.815	ng/ul#	94
82) Pyrene	19.826	202	357599	16.769	ng/ul#	93
83) Butylbenzylphthalate	20.702	149	145970	16.310	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.571	252	137925	19.548	ng/ul	97
85) Benzo(a)anthracene	21.654	228	387534	18.047	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.548	149	212144	16.519	ng/ul#	95
87) Chrysene	21.718	228	358294	17.824	ng/ul	97
89) Di-n-octyl phthalate	22.752	149	370955	17.609	ng/ul	100
90) Benzo(b)fluoranthene	23.857	252	397011	18.274	ng/ul	96
91) Benzo(k)fluoranthene	23.928	252	393033	18.142	ng/ul#	97
93) Benzo(a)pyrene	24.732	252	380153	18.479	ng/ul#	95
94) Indeno(1,2,3-cd)pyrene	28.528	276	481090m	18.300	ng/ul	
95) Dibenzo(a,h)anthracene	28.599	278	391479	18.030	ng/ul	95
96) Benzo(g,h,i)perylene	29.680	276	381106m	18.222	ng/ul	

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

