

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071924\
 Data File : BG062153.D
 Acq On : 19 Jul 2024 23:43
 Operator : MA/JU
 Sample : PB162080BS
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SLCS080

Quant Time: Jul 20 01:46:52 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 :Yogesh Patel 07/20/2024
 Supervised By :mohammad ahmed 07/23/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.064	152	42545	20.000	ng/u1	0.00
20) Naphthalene-d8	10.883	136	183964	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.696	164	174074	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.439	188	498888	20.000	ng/u1	0.00
79) Chrysene-d12	21.704	240	503945	20.000	ng/u1	0.00
88) Perylene-d12	24.923	264	512053	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.452	96	5809	6.375	ng/uL	0.00
4) Pyridine-d5	3.869	84	95016	28.697	ng/u1	0.00
7) Phenol-d5	7.235	99	121185	28.933	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.388	67	65508	27.221	ng/u1	0.00
11) 2-Chlorophenol-d4	7.600	132	74834	28.350	ng/u1	0.00
15) 4-Methylphenol-d8	8.786	113	90411	28.343	ng/u1	0.00
21) Nitrobenzene-d5	9.233	128	38929	26.561	ng/u1	0.00
24) 2-Nitrophenol-d4	9.955	143	49263	27.925	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.508	165	112313	30.413	ng/u1	0.00
31) 4-Chloroaniline-d4	11.013	131	113123	25.464	ng/u1	0.00
46) Dimethylphthalate-d6	14.097	166	425824	28.860	ng/u1	0.00
49) Acenaphthylene-d8	14.391	160	430156	28.752	ng/u1	0.00
54) 4-Nitrophenol-d4	14.919	143	54957	30.909	ng/u1	0.00
60) Fluorene-d10	15.683	176	370935	29.527	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.812	200	93972	29.640	ng/u1	0.00
73) Anthracene-d10	17.539	188	659980	28.320	ng/u1	0.00
81) Pyrene-d10	19.818	212	863814	30.232	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.712	264	793792	31.011	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.488	88	11322m	9.478	ng/uL	
5) Pyridine	3.893	79	100152	29.561	ng/u1#	83
6) Benzaldehyde	7.200	77	65174	29.638	ng/u1	97
8) Phenol	7.265	94	123819	29.963	ng/u1	97
10) Bis(2-Chloroethyl)ether	7.482	93	76460	26.862	ng/u1	89
12) 2-Chlorophenol	7.635	128	74487	27.795	ng/u1	90
13) 2-Methylphenol	8.516	108	90442	29.209	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.581	45	140105	27.814	ng/u1	98
16) Acetophenone	8.892	105	163298	29.322	ng/u1	91
17) N-Nitroso-di-n-propyla...	8.869	70	91956	28.857	ng/u1	95
18) 4-Methylphenol	8.845	108	105990	31.042	ng/u1	95
19) Hexachloroethane	9.145	117	32784	27.326	ng/u1	92
22) Nitrobenzene	9.274	77	130227	27.476	ng/u1	99
23) Isophorone	9.797	82	271072	28.193	ng/u1	98
25) 2-Nitrophenol	9.985	139	50777	27.217	ng/u1#	78
26) 2,4-Dimethylphenol	10.049	107	98114	21.916	ng/u1	97
27) Bis(2-Chloroethoxy)met...	10.273	93	124113	27.739	ng/u1	96
29) 2,4-Dichlorophenol	10.531	162	106690	30.411	ng/u1	94
30) Naphthalene	10.930	128	286715	28.891	ng/u1	99
32) 4-Chloroaniline	11.042	127	108637	26.016	ng/u1	91
33) Hexachlorobutadiene	11.195	225	92748	27.823	ng/u1	94
34) Caprolactam	11.806	113	39999m	33.390	ng/u1	
35) 4-Chloro-3-methylphenol	12.170	107	137542	32.695	ng/u1	97
36) 2-Methylnaphthalene	12.528	142	218480	29.162	ng/u1	89

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.746	142	218476	28.282	ng/ul	95
39) 1,2,4,5-Tetrachloroben...	12.887	216	190904	27.196	ng/ul#	97
40) Hexachlorocyclopentadiene	12.863	237	60702	17.632	ng/ul	97
41) 2,4,6-Trichlorophenol	13.139	196	105734	26.854	ng/ul	91
42) 2,4,5-Trichlorophenol	13.216	196	118079	27.550	ng/ul	93
43) 1,1'-Biphenyl	13.527	154	342616	27.806	ng/ul	99
44) 2-Chloronaphthalene	13.574	162	277136	27.355	ng/ul	96
45) 2-Nitroaniline	13.785	65	119593	32.033	ng/ul	92
47) Dimethylphthalate	14.144	163	404489	28.791	ng/ul#	96
48) 2,6-Dinitrotoluene	14.273	165	85803	29.823	ng/ul	93
50) Acenaphthylene	14.420	152	454033	27.838	ng/ul	100
51) 3-Nitroaniline	14.608	138	78765	33.889	ng/ul#	94
52) Acenaphthene	14.761	153	301844	27.880	ng/ul	97
53) 2,4-Dinitrophenol	14.819	184	41994m	27.265	ng/ul	
55) 4-Nitrophenol	14.937	109	84720	31.131	ng/ul	91
56) Dibenzofuran	15.090	168	479592	29.418	ng/ul	98
57) 2,4-Dinitrotoluene	15.060	165	132042	29.909	ng/ul#	95
58) 2,3,4,6-Tetrachlorophenol	15.325	232	100892	26.755	ng/ul#	96
59) Diethylphthalate	15.501	149	403206	29.027	ng/ul	99
61) Fluorene	15.742	166	413303	29.565	ng/ul	96
62) 4-Chlorophenyl-phenyle...	15.724	204	249569	28.828	ng/ul	91
63) 4-Nitroaniline	15.771	138	83245	33.471	ng/ul#	81
66) 4,6-Dinitro-2-methylph...	15.824	198	88831	29.843	ng/ul	99
67) N-Nitrosodiphenylamine	15.941	169	355409	29.123	ng/ul	97
68) 4-Bromophenyl-phenylether	16.623	248	167809	28.885	ng/ul	99
69) Hexachlorobenzene	16.740	284	180189	29.228	ng/ul	93
70) Atrazine	16.881	200	33078	5.379	ng/ul#	88
71) Pentachlorophenol	17.093	266	40370m	17.758	ng/ul	
72) Phenanthrene	17.480	178	699537	29.138	ng/ul	97
74) Anthracene	17.574	178	687575	27.820	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.492	216	195786	27.399	ng/ul	94
76) Pentachlorobenzene	15.007	250	204683	28.942	ng/ul	96
77) Carbazole	17.845	167	623751	29.683	ng/ul	98
78) Di-n-butylphthalate	18.379	149	689201	28.608	ng/ul	99
80) Fluoranthene	19.484	202	991505	30.249	ng/ul	100
82) Pyrene	19.848	202	1020695	29.948	ng/ul	98
83) Butylbenzylphthalate	20.717	149	298338	29.500	ng/ul	100
84) 3,3'-Dichlorobenzidine	21.593	252	330035	30.175	ng/ul	95
85) Benzo(a)anthracene	21.681	228	1030111	29.122	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.563	149	425832	29.372	ng/ul	95
87) Chrysene	21.745	228	958740	29.482	ng/ul	99
89) Di-n-octyl phthalate	22.773	149	728721	30.935	ng/ul	100
90) Benzo(b)fluoranthene	23.901	252	968680	30.620	ng/ul	99
91) Benzo(k)fluoranthene	23.966	252	934540	29.593	ng/ul	99
93) Benzo(a)pyrene	24.776	252	822074	27.747	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	28.624	276	1050002	30.846	ng/ul	97
95) Dibenzo(a,h)anthracene	28.689	278	870298	30.833	ng/ul	100
96) Benzo(g,h,i)perylene	29.781	276	805542	29.559	ng/ul	98

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

