

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070324\
 Data File : BG061858.D
 Acq On : 3 Jul 2024 9:47
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020551

Quant Time: Jul 03 10:49:08 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 03 02:38:46 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/05/2024
 Supervised By :mohammad ahmed 07/05/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.091	152	36808	20.000	ng/u1	0.00
20) Naphthalene-d8	10.911	136	188209	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.718	164	134892	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.462	188	329681m	20.000	ng/u1	0.00
79) Chrysene-d12	21.722	240	303074	20.000	ng/u1	0.00
88) Perylene-d12	24.959	264	362946	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.485	96	8864	9.050	ng/uL	0.00
4) Pyridine-d5	3.908	84	60195	19.987	ng/u1	0.00
7) Phenol-d5	7.245	99	81380	20.203	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.421	67	50118	19.647	ng/u1	0.00
11) 2-Chlorophenol-d4	7.627	132	56763	20.543	ng/u1	0.00
15) 4-Methylphenol-d8	8.796	113	67995	21.439	ng/u1	0.00
21) Nitrobenzene-d5	9.266	128	30550	21.343	ng/u1	0.00
24) 2-Nitrophenol-d4	9.983	143	35171	21.516	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.529	165	66375	21.052	ng/u1	0.00
31) 4-Chloroaniline-d4	11.040	131	94306	20.602	ng/u1	0.00
46) Dimethylphthalate-d6	14.119	166	228423	20.597	ng/u1	0.00
49) Acenaphthylene-d8	14.419	160	244113	21.051	ng/u1	0.00
54) 4-Nitrophenol-d4	14.912	143	37051	20.921	ng/u1	0.00
60) Fluorene-d10	15.711	176	192828	20.654	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.817	200	37104	21.430	ng/u1	0.00
73) Anthracene-d10	17.556	188	314665	20.443	ng/u1	0.00
81) Pyrene-d10	19.836	212	370600	20.789	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.736	264	380919	21.162	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.520	88	9406	8.700	ng/uL	91
5) Pyridine	3.925	79	62154	20.123	ng/u1	93
6) Benzaldehyde	7.233	77	49794	23.357	ng/u1	85
8) Phenol	7.274	94	85423	20.713	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.509	93	66442	20.972	ng/u1	98
12) 2-Chlorophenol	7.656	128	57713	20.502	ng/u1	97
13) 2-Methylphenol	8.537	108	60283	20.480	ng/u1	94
14) 2,2'-oxybis(1-Chloropr...	8.614	45	137387	19.849	ng/u1#	97
16) Acetophenone	8.925	105	106864	20.398	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.896	70	61909	21.108	ng/u1#	95
18) 4-Methylphenol	8.861	108	66579	20.198	ng/u1	90
19) Hexachloroethane	9.184	117	26923	22.047	ng/u1	97
22) Nitrobenzene	9.307	77	85084	20.940	ng/u1	99
23) Isophorone	9.824	82	185776	20.238	ng/u1#	93
25) 2-Nitrophenol	10.018	139	35990	21.590	ng/u1	95
26) 2,4-Dimethylphenol	10.071	107	82334	20.637	ng/u1	89
27) Bis(2-Chloroethoxy)met...	10.306	93	100005	19.783	ng/u1	98
29) 2,4-Dichlorophenol	10.553	162	60336	20.372	ng/u1	89
30) Naphthalene	10.964	128	214274	20.726	ng/u1#	95
32) 4-Chloroaniline	11.064	127	91704	20.417	ng/u1	98
33) Hexachlorobutadiene	11.234	225	47745	21.423	ng/u1	97
34) Caprolactam	11.822	113	26034m	22.436	ng/u1	
35) 4-Chloro-3-methylphenol	12.180	107	82441	20.900	ng/u1	97
36) 2-Methylnaphthalene	12.562	142	151853	20.274	ng/u1	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.774	142	163760	21.039	ng/ul	95
39) 1,2,4,5-Tetrachloroben...	12.915	216	83220	20.544	ng/ul	95
40) Hexachlorocyclopentadiene	12.891	237	50538	18.741	ng/ul#	96
41) 2,4,6-Trichlorophenol	13.156	196	56067	20.838	ng/ul	98
42) 2,4,5-Trichlorophenol	13.226	196	57364	19.409	ng/ul	89
43) 1,1'-Biphenyl	13.555	154	214962	20.683	ng/ul	92
44) 2-Chloronaphthalene	13.602	162	164896	21.140	ng/ul	98
45) 2-Nitroaniline	13.802	65	67155	21.499	ng/ul	95
47) Dimethylphthalate	14.166	163	220097	20.634	ng/ul	99
48) 2,6-Dinitrotoluene	14.289	165	44729	22.104	ng/ul	99
50) Acenaphthylene	14.442	152	260391	20.459	ng/ul	98
51) 3-Nitroaniline	14.618	138	41785	21.213	ng/ul	93
52) Acenaphthene	14.783	153	183918	20.928	ng/ul	97
53) 2,4-Dinitrophenol	14.824	184	19492	18.437	ng/ul	95
55) 4-Nitrophenol	14.930	109	40977	20.272	ng/ul	90
56) Dibenzofuran	15.118	168	259533	20.895	ng/ul	97
57) 2,4-Dinitrotoluene	15.071	165	64710	21.805	ng/ul#	90
58) 2,3,4,6-Tetrachlorophenol	15.335	232	54507	20.423	ng/ul#	94
59) Diethylphthalate	15.529	149	238401	20.740	ng/ul	97
61) Fluorene	15.764	166	217888	20.628	ng/ul	91
62) 4-Chlorophenyl-phenyle...	15.752	204	109736	20.682	ng/ul#	86
63) 4-Nitroaniline	15.782	138	47272	23.651	ng/ul	98
66) 4,6-Dinitro-2-methylph...	15.835	198	37265m	19.999	ng/ul	
67) N-Nitrosodiphenylamine	15.964	169	187225	20.795	ng/ul	96
68) 4-Bromophenyl-phenylether	16.646	248	76266	20.391	ng/ul	96
69) Hexachlorobenzene	16.757	284	87215	20.279	ng/ul	98
70) Atrazine	16.910	200	77517	21.810	ng/ul	95
71) Pentachlorophenol	17.104	266	43354	18.339	ng/ul	96
72) Phenanthrene	17.503	178	360733m	20.752	ng/ul	
74) Anthracene	17.592	178	366576	20.405	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.520	216	85999	21.003	ng/ul	98
76) Pentachlorobenzene	15.030	250	95496	20.448	ng/ul	99
77) Carbazole	17.862	167	325978	21.561	ng/ul	97
78) Di-n-butylphthalate	18.408	149	408976	21.070	ng/ul	100
80) Fluoranthene	19.507	202	430998	20.430	ng/ul	97
82) Pyrene	19.865	202	455110	20.884	ng/ul	96
83) Butylbenzylphthalate	20.741	149	187126	20.460	ng/ul	94
84) 3,3'-Dichlorobenzidine	21.616	252	171605	23.800	ng/ul	94
85) Benzo(a)anthracene	21.698	228	462958	21.098	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.604	149	277430	21.139	ng/ul	98
87) Chrysene	21.769	228	436888	21.268	ng/ul	98
89) Di-n-octyl phthalate	22.827	149	469808	21.188	ng/ul	100
90) Benzo(b)fluoranthene	23.931	252	478216	20.913	ng/ul	100
91) Benzo(k)fluoranthene	24.002	252	468486	20.545	ng/ul	94
93) Benzo(a)pyrene	24.812	252	451833	20.867	ng/ul#	96
94) Indeno(1,2,3-cd)pyrene	28.655	276	565989m	20.454	ng/ul	
95) Dibenzo(a,h)anthracene	28.731	278	474619	20.768	ng/ul	96
96) Benzo(g,h,i)perylene	29.818	276	451765	20.522	ng/ul	95

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

