

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072224\
 Data File : BG062179.D
 Acq On : 23 Jul 2024 3:41
 Operator : MA/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020583

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/23/2024
 Supervised By :mohammad ahmed 07/25/2024

Quant Time: Jul 23 04:19:23 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.063	152	38373	20.000	ng/u1	0.00
20) Naphthalene-d8	10.877	136	165272	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.696	164	145208	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.439	188	398461	20.000	ng/u1	0.00
79) Chrysene-d12	21.704	240	405575	20.000	ng/u1	0.00
88) Perylene-d12	24.929	264	421600	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.458	96	7632m	9.286	ng/uL	0.00
4) Pyridine-d5	3.875	84	66752	22.353	ng/u1	0.00
7) Phenol-d5	7.235	99	74476	19.714	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.388	67	41590	19.161	ng/u1	0.00
11) 2-Chlorophenol-d4	7.599	132	49518	20.799	ng/u1	0.00
15) 4-Methylphenol-d8	8.780	113	58669	20.392	ng/u1	0.00
21) Nitrobenzene-d5	9.232	128	24888	18.901	ng/u1	0.00
24) 2-Nitrophenol-d4	9.961	143	31038	19.584	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.507	165	69476	20.941	ng/u1	0.00
31) 4-Chloroaniline-d4	11.018	131	78924	19.775	ng/u1	0.00
46) Dimethylphthalate-d6	14.096	166	224385	18.231	ng/u1	0.00
49) Acenaphthylene-d8	14.390	160	251430	20.147	ng/u1	0.00
54) 4-Nitrophenol-d4	14.919	143	29026	19.570	ng/u1	0.00
60) Fluorene-d10	15.683	176	210201	20.059	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.812	200	44874	17.721	ng/u1	0.00
73) Anthracene-d10	17.539	188	380888	20.463	ng/u1	0.00
81) Pyrene-d10	19.818	212	469077	20.398	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.706	264	428278	20.321	ng/u1	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.493	88	9494m	8.812	ng/uL	
5) Pyridine	3.898	79	67448	22.072	ng/u1	88
6) Benzaldehyde	7.200	77	48379	24.392	ng/u1	98
8) Phenol	7.265	94	76302	20.472	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.482	93	49364	19.228	ng/u1	96
12) 2-Chlorophenol	7.635	128	47019	19.452	ng/u1	94
13) 2-Methylphenol	8.516	108	54304	19.445	ng/u1	83
14) 2,2'-oxybis(1-Chloropr...	8.586	45	87346	19.225	ng/u1	97
16) Acetophenone	8.892	105	97602	19.431	ng/u1	95
17) N-Nitroso-di-n-propyla...	8.868	70	54851	19.084	ng/u1	91
18) 4-Methylphenol	8.845	108	62994	20.456	ng/u1	99
19) Hexachloroethane	9.150	117	22195	20.511	ng/u1	86
22) Nitrobenzene	9.279	77	79044	18.563	ng/u1	94
23) Isophorone	9.790	82	159190	18.429	ng/u1	96
25) 2-Nitrophenol	9.990	139	31160	18.591	ng/u1#	80
26) 2,4-Dimethylphenol	10.049	107	80872	20.107	ng/u1	96
27) Bis(2-Chloroethoxy)met...	10.272	93	76638	19.066	ng/u1	96
29) 2,4-Dichlorophenol	10.531	162	64208	20.372	ng/u1	90
30) Naphthalene	10.930	128	179836	20.171	ng/u1	99
32) 4-Chloroaniline	11.042	127	72896	19.431	ng/u1#	82
33) Hexachlorobutadiene	11.194	225	61330	20.479	ng/u1	98
34) Caprolactam	11.800	113	21052m	19.561	ng/u1	
35) 4-Chloro-3-methylphenol	12.170	107	77147	20.413	ng/u1	96
36) 2-Methylnaphthalene	12.528	142	130566	19.399	ng/u1	89

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.745	142	133732	19.270	ng/ul#	95
39) 1,2,4,5-Tetrachloroben...	12.886	216	115514	19.727	ng/ul#	98
40) Hexachlorocyclopentadiene	12.857	237	42812	14.908	ng/ul#	95
41) 2,4,6-Trichlorophenol	13.139	196	68034	20.714	ng/ul	89
42) 2,4,5-Trichlorophenol	13.215	196	72129	20.175	ng/ul	98
43) 1,1'-Biphenyl	13.527	154	200582	19.515	ng/ul	93
44) 2-Chloronaphthalene	13.574	162	165094	19.535	ng/ul	98
45) 2-Nitroaniline	13.785	65	61825	19.852	ng/ul	94
47) Dimethylphthalate	14.143	163	215279	18.369	ng/ul	98
48) 2,6-Dinitrotoluene	14.273	165	46832	19.513	ng/ul#	92
50) Acenaphthylene	14.420	152	273902	20.132	ng/ul	99
51) 3-Nitroaniline	14.608	138	44664	23.037	ng/ul#	98
52) Acenaphthene	14.760	153	175389	19.420	ng/ul	95
53) 2,4-Dinitrophenol	14.819	184	18993	14.783	ng/ul#	69
55) 4-Nitrophenol	14.931	109	41413	18.243	ng/ul#	86
56) Dibenzofuran	15.089	168	273209	20.090	ng/ul	100
57) 2,4-Dinitrotoluene	15.060	165	72490	19.684	ng/ul#	90
58) 2,3,4,6-Tetrachlorophenol	15.324	232	64066	20.366	ng/ul#	96
59) Diethylphthalate	15.495	149	215923	18.634	ng/ul	96
61) Fluorene	15.741	166	233816	20.050	ng/ul	96
62) 4-Chlorophenyl-phenyle...	15.724	204	141142	19.545	ng/ul	96
63) 4-Nitroaniline	15.765	138	43609	21.020	ng/ul	95
66) 4,6-Dinitro-2-methylph...	15.824	198	44355	18.657	ng/ul	94
67) N-Nitrosodiphenylamine	15.941	169	189902	19.483	ng/ul	96
68) 4-Bromophenyl-phenylether	16.622	248	94297	20.322	ng/ul	96
69) Hexachlorobenzene	16.740	284	103355	20.990	ng/ul	97
70) Atrazine	16.887	200	100413	20.443	ng/ul	99
71) Pentachlorophenol	17.092	266	30726	16.922	ng/ul	92
72) Phenanthrene	17.480	178	385051	20.081	ng/ul	94
74) Anthracene	17.574	178	400914	20.310	ng/ul	95
75) 1,2,3,4-Tetrachloroben...	13.497	216	116781	20.462	ng/ul	96
76) Pentachlorobenzene	15.007	250	118726	21.019	ng/ul	99
77) Carbazole	17.844	167	331308	19.740	ng/ul	99
78) Di-n-butylphthalate	18.379	149	371626	19.313	ng/ul	98
80) Fluoranthene	19.483	202	529521	20.073	ng/ul	98
82) Pyrene	19.847	202	544271	19.843	ng/ul	99
83) Butylbenzylphthalate	20.717	149	168288	20.676	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.598	252	190754	21.671	ng/ul#	98
85) Benzo(a)anthracene	21.680	228	570338	20.035	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.563	149	236361	20.258	ng/ul	94
87) Chrysene	21.745	228	525823	20.091	ng/ul	96
89) Di-n-octyl phthalate	22.773	149	397093	20.474	ng/ul	100
90) Benzo(b)fluoranthene	23.901	252	523685m	20.105	ng/ul	
91) Benzo(k)fluoranthene	23.971	252	522690	20.103	ng/ul	96
93) Benzo(a)pyrene	24.782	252	486689	19.951	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.612	276	576639m	20.575	ng/ul	
95) Dibenzo(a,h)anthracene	28.683	278	489069	21.045	ng/ul	97
96) Benzo(g,h,i)perylene	29.793	276	456437m	20.342	ng/ul	

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

