

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070524\
 Data File : BG061901.D
 Acq On : 5 Jul 2024 18:26
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020556

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/08/2024
 Supervised By :mohammad ahmed 07/09/2024

Quant Time: Jul 05 19:10:11 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.099	152	31661	20.000	ng/u1	0.00
20) Naphthalene-d8	10.908	136	166066	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.715	164	125853	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.459	188	309418	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.719	240	268296	20.000	ng/u1	0.00
88) Perylene-d12	24.956	264	326820	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.487	96	6345	7.531	ng/uL	0.00
4) Pyridine-d5	3.904	84	47222	18.228	ng/u1	0.00
7) Phenol-d5	7.247	99	67127	19.374	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.412	67	41153	18.755	ng/u1	0.00
11) 2-Chlorophenol-d4	7.623	132	47942	20.172	ng/u1	0.00
15) 4-Methylphenol-d8	8.799	113	54712	20.055	ng/u1	0.00
21) Nitrobenzene-d5	9.263	128	23476	18.588	ng/u1	0.00
24) 2-Nitrophenol-d4	9.985	143	29066	20.152	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.520	165	58744	21.116	ng/u1	-0.01
31) 4-Chloroaniline-d4	11.037	131	81237	20.113	ng/u1	0.00
46) Dimethylphthalate-d6	14.116	166	202745	19.595	ng/u1	0.00
49) Acenaphthylene-d8	14.415	160	222199	20.538	ng/u1	0.00
54) 4-Nitrophenol-d4	14.909	143	32654	19.762	ng/u1	0.00
60) Fluorene-d10	15.708	176	178592	20.503	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.820	200	34503	21.232	ng/u1	0.00
73) Anthracene-d10	17.559	188	288068	19.941	ng/u1	0.00
81) Pyrene-d10	19.839	212	319574	20.251	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.733	264	324120	19.997	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.516	88	7089	7.623	ng/uL	93
5) Pyridine	3.922	79	49424	18.603	ng/u1	93
6) Benzaldehyde	7.230	77	39441	21.508	ng/u1#	86
8) Phenol	7.271	94	65744	18.533	ng/u1#	89
10) Bis(2-Chloroethyl)ether	7.506	93	50369	18.483	ng/u1	96
12) 2-Chlorophenol	7.653	128	47633	19.672	ng/u1#	81
13) 2-Methylphenol	8.528	108	51250	20.241	ng/u1	83
14) 2,2'-oxybis(1-Chloropr...	8.616	45	108213	18.176	ng/u1#	89
16) Acetophenone	8.922	105	92006	20.417	ng/u1	96
17) N-Nitroso-di-n-propyla...	8.898	70	48299	19.145	ng/u1#	96
18) 4-Methylphenol	8.857	108	55850	19.697	ng/u1	92
19) Hexachloroethane	9.180	117	21010	20.002	ng/u1#	74
22) Nitrobenzene	9.304	77	74227	20.704	ng/u1	98
23) Isophorone	9.821	82	148270	18.306	ng/u1	99
25) 2-Nitrophenol	10.015	139	30589	20.796	ng/u1	94
26) 2,4-Dimethylphenol	10.068	107	70521	20.033	ng/u1	97
27) Bis(2-Chloroethoxy)met...	10.303	93	79165	17.749	ng/u1	97
29) 2,4-Dichlorophenol	10.549	162	54960	21.031	ng/u1	92
30) Naphthalene	10.955	128	182670	20.025	ng/u1	97
32) 4-Chloroaniline	11.061	127	77766	19.622	ng/u1	97
33) Hexachlorobutadiene	11.231	225	44002	22.376	ng/u1#	90
34) Caprolactam	11.819	113	21262m	20.767	ng/u1	
35) 4-Chloro-3-methylphenol	12.177	107	73766	21.195	ng/u1	91
36) 2-Methylnaphthalene	12.553	142	134581	20.364	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.770	142	141819	20.650	ng/ul#	94
39) 1,2,4,5-Tetrachloroben...	12.911	216	76713	20.298	ng/ul	98
40) Hexachlorocyclopentadiene	12.894	237	45678	18.156	ng/ul	89
41) 2,4,6-Trichlorophenol	13.152	196	49437	19.694	ng/ul	91
42) 2,4,5-Trichlorophenol	13.229	196	57775	20.952	ng/ul	96
43) 1,1'-Biphenyl	13.552	154	189607	19.553	ng/ul	98
44) 2-Chloronaphthalene	13.599	162	144567	19.865	ng/ul	98
45) 2-Nitroaniline	13.799	65	61237	21.012	ng/ul	96
47) Dimethylphthalate	14.163	163	192568	19.350	ng/ul	99
48) 2,6-Dinitrotoluene	14.292	165	41711	22.093	ng/ul	90
50) Acenaphthylene	14.445	152	236720	19.935	ng/ul	97
51) 3-Nitroaniline	14.615	138	38980	21.211	ng/ul	85
52) Acenaphthene	14.780	153	166652	20.325	ng/ul	97
53) 2,4-Dinitrophenol	14.821	184	19349	19.616	ng/ul	97
55) 4-Nitrophenol	14.921	109	41613	22.066	ng/ul	97
56) Dibenzofuran	15.115	168	231505	19.977	ng/ul	96
57) 2,4-Dinitrotoluene	15.074	165	61607	22.251	ng/ul#	99
58) 2,3,4,6-Tetrachlorophenol	15.332	232	51400	20.642	ng/ul	93
59) Diethylphthalate	15.520	149	216957	20.230	ng/ul	99
61) Fluorene	15.761	166	202026	20.500	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.749	204	103725	20.954	ng/ul	92
63) 4-Nitroaniline	15.779	138	41142	22.063	ng/ul	96
66) 4,6-Dinitro-2-methylph...	15.831	198	37490	21.437	ng/ul#	85
67) N-Nitrosodiphenylamine	15.967	169	168381	19.927	ng/ul	98
68) 4-Bromophenyl-phenylether	16.648	248	76344	21.749	ng/ul	91
69) Hexachlorobenzene	16.760	284	86783	21.500	ng/ul	90
70) Atrazine	16.907	200	68740	20.607	ng/ul	98
71) Pentachlorophenol	17.101	266	40289	18.159	ng/ul#	79
72) Phenanthrene	17.500	178	328603	20.141	ng/ul	97
74) Anthracene	17.588	178	330552	19.605	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.517	216	79256	20.624	ng/ul	93
76) Pentachlorobenzene	15.027	250	91698	20.921	ng/ul	96
77) Carbazole	17.858	167	284892	20.078	ng/ul	99
78) Di-n-butylphthalate	18.411	149	350150	19.220	ng/ul	99
80) Fluoranthene	19.504	202	372069	19.922	ng/ul	96
82) Pyrene	19.862	202	382279	19.816	ng/ul	97
83) Butylbenzylphthalate	20.743	149	157410	19.442	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.613	252	143723	22.517	ng/ul	90
85) Benzo(a)anthracene	21.701	228	393888	20.277	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.595	149	226450	19.492	ng/ul	100
87) Chrysene	21.766	228	365496	20.099	ng/ul	98
89) Di-n-octyl phthalate	22.817	149	391562	19.611	ng/ul	100
90) Benzo(b)fluoranthene	23.928	252	410933	19.957	ng/ul#	95
91) Benzo(k)fluoranthene	23.992	252	402378	19.597	ng/ul#	94
93) Benzo(a)pyrene	24.803	252	384750	19.733	ng/ul#	96
94) Indeno(1,2,3-cd)pyrene	28.652	276	495483	19.885	ng/ul	97
95) Dibenzo(a,h)anthracene	28.722	278	414393m	20.137	ng/ul	
96) Benzo(g,h,i)perylene	29.792	276	397727	20.064	ng/ul	97

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

