

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060424\
 Data File : BG061485.D
 Acq On : 5 Jun 2024 13:50
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

SSTD020516

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/05/2024
 Supervised By :mohammad ahmed 06/07/2024

Quant Time: Jun 05 17:06:50 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Thu May 30 22:54:48 2024

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.870	152	30481	20.000	ng/u1	0.00
20) Naphthalene-d8	10.666	136	107573	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.515	164	86080	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.264	188	206915	20.000	ng/u1	0.00
79) Chrysene-d12	21.524	240	228306	20.000	ng/u1	0.01
88) Perylene-d12	24.621	264	251474	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.328	96	4391	8.062	ng/uL	0.00
4) Pyridine-d5	3.733	84	31974	16.501	ng/u1	0.00
7) Phenol-d5	7.059	99	45906	18.340	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.200	67	29292	18.618	ng/u1	0.00
11) 2-Chlorophenol-d4	7.411	132	37048	19.999	ng/u1	0.00
15) 4-Methylphenol-d8	8.598	113	40415	18.935	ng/u1	0.00
21) Nitrobenzene-d5	9.033	128	20211	24.402	ng/u1	0.00
24) 2-Nitrophenol-d4	9.756	143	23233	23.968	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.302	165	42044	22.249	ng/u1	0.00
31) 4-Chloroaniline-d4	10.807	131	48249	19.516	ng/u1	0.00
46) Dimethylphthalate-d6	13.921	166	130602	19.562	ng/u1	0.00
49) Acenaphthylene-d8	14.209	160	141660	20.410	ng/u1	0.00
54) 4-Nitrophenol-d4	14.762	143	13423	16.263	ng/u1	0.02
60) Fluorene-d10	15.508	176	114946	19.942	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.655	200	21795	17.416	ng/u1	0.02
73) Anthracene-d10	17.364	188	196285	21.517	ng/u1	0.00
81) Pyrene-d10	19.662	212	234315	19.989	ng/u1	0.01
92) Benzo(a)pyrene-d12	24.403	264	262333	21.699	ng/u1	0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.363	88	4470	6.838	ng/uL	94
5) Pyridine	3.757	79	32400	16.906	ng/u1	90
6) Benzaldehyde	7.012	77	21129	16.143	ng/u1#	74
8) Phenol	7.088	94	46656	18.294	ng/u1	93
10) Bis(2-Chloroethyl)ether	7.294	93	35744	19.160	ng/u1	84
12) 2-Chlorophenol	7.447	128	38413	19.621	ng/u1	99
13) 2-Methylphenol	8.334	108	37862	19.156	ng/u1	96
14) 2,2'-oxybis(1-Chloropr...	8.393	45	81787	16.234	ng/u1#	97
16) Acetophenone	8.692	105	65521	17.987	ng/u1	97
17) N-Nitroso-di-n-propyla...	8.675	70	32908	16.430	ng/u1	90
18) 4-Methylphenol	8.663	108	39928	18.232	ng/u1	96
19) Hexachloroethane	8.951	117	16112	18.496	ng/u1	98
22) Nitrobenzene	9.074	77	51751	22.781	ng/u1	92
23) Isophorone	9.597	82	90185	19.517	ng/u1	95
25) 2-Nitrophenol	9.785	139	25032	23.792	ng/u1	99
26) 2,4-Dimethylphenol	9.856	107	48290	23.164	ng/u1	98
27) Bis(2-Chloroethoxy)met...	10.079	93	52768	22.781	ng/u1#	97
29) 2,4-Dichlorophenol	10.331	162	37864	21.754	ng/u1	92
30) Naphthalene	10.719	128	118583	20.885	ng/u1	97
32) 4-Chloroaniline	10.831	127	47241	19.228	ng/u1	99
33) Hexachlorobutadiene	11.001	225	38256	22.487	ng/u1	97
34) Caprolactam	11.595	113	11021m	16.551	ng/u1	
35) 4-Chloro-3-methylphenol	11.982	107	43500	19.334	ng/u1	98
36) 2-Methylnaphthalene	12.329	142	86506	21.009	ng/u1	96

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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.552	142	87356	20.673	ng/ul	94
39) 1,2,4,5-Tetrachloroben...	12.705	216	68736	24.186	ng/ul	99
40) Hexachlorocyclopentadiene	12.682	237	17877	13.936	ng/ul	94
41) 2,4,6-Trichlorophenol	12.952	196	39366	24.592	ng/ul	94
42) 2,4,5-Trichlorophenol	13.040	196	37938	22.505	ng/ul	97
43) 1,1'-Biphenyl	13.346	154	120430	21.636	ng/ul	98
44) 2-Chloronaphthalene	13.387	162	97006	22.146	ng/ul	97
45) 2-Nitroaniline	13.598	65	35309	19.531	ng/ul	93
47) Dimethylphthalate	13.968	163	133156	19.136	ng/ul	99
48) 2,6-Dinitrotoluene	14.092	165	26347	19.308	ng/ul	91
50) Acenaphthylene	14.233	152	158222	20.557	ng/ul	99
51) 3-Nitroaniline	14.427	138	22966	19.393	ng/ul	89
52) Acenaphthene	14.579	153	106354	21.065	ng/ul	97
53) 2,4-Dinitrophenol	14.662	184	13666	18.886	ng/ul#	84
55) 4-Nitrophenol	14.773	109	17441	17.972	ng/ul	96
56) Dibenzofuran	14.914	168	148847	20.619	ng/ul	99
57) 2,4-Dinitrotoluene	14.897	165	39665	19.106	ng/ul	99
58) 2,3,4,6-Tetrachlorophenol	15.155	232	32382m	21.061	ng/ul	
59) Diethylphthalate	15.331	149	125302	18.235	ng/ul	99
61) Fluorene	15.566	166	126729	20.290	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.555	204	75497	20.610	ng/ul	99
63) 4-Nitroaniline	15.590	138	21581	17.497	ng/ul	93
66) 4,6-Dinitro-2-methylph...	15.672	198	22959	17.505	ng/ul#	95
67) N-Nitrosodiphenylamine	15.772	169	111330	21.407	ng/ul	99
68) 4-Bromophenyl-phenylether	16.454	248	53855	21.967	ng/ul	93
69) Hexachlorobenzene	16.577	284	59631	21.882	ng/ul	96
70) Atrazine	16.724	200	38757	18.831	ng/ul	96
71) Pentachlorophenol	16.935	266	15003	15.818	ng/ul	87
72) Phenanthrene	17.306	178	208653	20.776	ng/ul	99
74) Anthracene	17.400	178	217979	20.992	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.310	216	70017	25.600	ng/uL	95
76) Pentachlorobenzene	14.838	250	69991	23.145	ng/uL	98
77) Carbazole	17.670	167	180581	21.381	ng/ul	99
78) Di-n-butylphthalate	18.228	149	214950	20.311	ng/ul	98
80) Fluoranthene	19.327	202	275551	19.595	ng/ul	99
82) Pyrene	19.691	202	291251	19.953	ng/ul#	95
83) Butylbenzylphthalate	20.578	149	99248	19.792	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.418	252	112208	23.154	ng/ul#	99
85) Benzo(a)anthracene	21.507	228	330776	20.997	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.413	149	139569	18.803	ng/ul	100
87) Chrysene	21.571	228	303119	20.897	ng/ul	99
89) Di-n-octyl phthalate	22.570	149	250461	19.908	ng/ul	100
90) Benzo(b)fluoranthene	23.639	252	311085m	20.777	ng/ul	
91) Benzo(k)fluoranthene	23.704	252	315894	20.783	ng/ul	96
93) Benzo(a)pyrene	24.474	252	295454	20.781	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	28.140	276	349050m	20.301	ng/ul	
95) Dibenzo(a,h)anthracene	28.187	278	278313	19.632	ng/ul	98
96) Benzo(g,h,i)perylene	29.221	276	254523m	18.608	ng/ul	

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

