

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050423\
 Data File : BG057310.D
 Acq On : 4 May 2023 20:53
 Operator : CG/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020475

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/05/2023
 Supervised By : Jagrut Upadhyay 05/05/2023

Quant Time: May 05 02:48:05 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon May 01 12:45:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.372	152	11639	20.000	ng/u1	0.00
20) Naphthalene-d8	11.209	136	53035	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.987	164	46636	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.730	188	124535	20.000	ng/u1	0.00
79) Chrysene-d12	22.042	240	109033	20.000	ng/u1	0.00
88) Perylene-d12	25.560	264	111509	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.655	96	2338	8.840	ng/uL	0.00
4) Pyridine-d5	4.095	84	16690	20.016	ng/u1	0.00
7) Phenol-d5	7.514	99	23941	21.750	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.673	67	13079	20.202	ng/u1	0.00
11) 2-Chlorophenol-d4	7.902	132	16784	23.139	ng/u1	0.00
15) 4-Methylphenol-d8	9.077	113	19131	22.868	ng/u1	0.00
21) Nitrobenzene-d5	9.553	128	9007	21.326	ng/u1	0.00
24) 2-Nitrophenol-d4	10.281	143	10809	21.929	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.827	165	21939	23.070	ng/u1	0.00
31) 4-Chloroaniline-d4	11.339	131	30017	23.816	ng/u1	0.00
46) Dimethylphthalate-d6	14.370	166	81498	22.055	ng/u1	0.00
49) Acenaphthylene-d8	14.687	160	88757	21.371	ng/u1	0.00
54) 4-Nitrophenol-d4	15.175	143	11240	20.897	ng/u1	0.00
60) Fluorene-d10	15.973	176	75237	21.856	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	16.091	200	14894	20.186	ng/u1	0.00
73) Anthracene-d10	17.824	188	126870	22.319	ng/u1	0.00
81) Pyrene-d10	20.091	212	147509	22.793	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.314	264	126356	22.241	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.690	88	2294	8.179	ng/uL#	73
5) Pyridine	4.113	79	18114	20.608	ng/u1	89
6) Benzaldehyde	7.497	77	7980m	23.737	ng/u1	
8) Phenol	7.538	94	24182	21.797	ng/u1	97
10) Bis(2-Chloroethyl)ether	7.773	93	17098	20.592	ng/u1	92
12) 2-Chlorophenol	7.931	128	16874	22.147	ng/u1	95
13) 2-Methylphenol	8.813	108	18920	22.006	ng/u1	84
14) 2,2'-oxybis(1-Chloropr...	8.895	45	20203	18.872	ng/u1#	92
16) Acetophenone	9.200	105	32155	22.337	ng/u1	97
17) N-Nitroso-di-n-propyla...	9.171	70	17990	21.747	ng/u1	94
18) 4-Methylphenol	9.142	108	21559	23.166	ng/u1	93
19) Hexachloroethane	9.470	117	7140	22.399	ng/u1	90
22) Nitrobenzene	9.594	77	25739	20.466	ng/u1	98
23) Isophorone	10.111	82	50821	21.239	ng/u1	96
25) 2-Nitrophenol	10.311	139	11435	22.905	ng/u1	97
26) 2,4-Dimethylphenol	10.358	107	25055	22.123	ng/u1	92
27) Bis(2-Chloroethoxy)met...	10.587	93	25778	20.725	ng/u1	95
29) 2,4-Dichlorophenol	10.851	162	20801	23.045	ng/u1	95
30) Naphthalene	11.262	128	63239	21.717	ng/u1	98
32) 4-Chloroaniline	11.362	127	30615	23.312	ng/u1	97
33) Hexachlorobutadiene	11.532	225	17004	22.211	ng/u1	97
34) Caprolactam	12.108	113	7884	25.946	ng/u1	98
35) 4-Chloro-3-methylphenol	12.461	107	24949	24.023	ng/u1	96
36) 2-Methylnaphthalene	12.836	142	48354	22.644	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	13.054	142	49300	22.960	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	13.201	216	36522	21.550	ng/ul#	96
40) Hexachlorocyclopentadiene	13.171	237	5998	7.092	ng/ul	96
41) 2,4,6-Trichlorophenol	13.436	196	21256	21.535	ng/ul	96
42) 2,4,5-Trichlorophenol	13.512	196	24131m	22.771	ng/ul	
43) 1,1'-Biphenyl	13.823	154	73813	20.743	ng/ul	99
44) 2-Chloronaphthalene	13.876	162	57846	20.965	ng/ul	97
45) 2-Nitroaniline	14.070	65	17944	21.543	ng/ul	87
47) Dimethylphthalate	14.417	163	81317	21.913	ng/ul	99
48) 2,6-Dinitrotoluene	14.552	165	17466	22.871	ng/ul	97
50) Acenaphthylene	14.716	152	92647	21.951	ng/ul	99
51) 3-Nitroaniline	14.887	138	12290	22.713	ng/ul	86
52) Acenaphthene	15.051	153	64718	21.522	ng/ul	99
53) 2,4-Dinitrophenol	15.110	184	7438	18.289	ng/ul	93
55) 4-Nitrophenol	15.192	109	12537m	20.561	ng/ul	
56) Dibenzofuran	15.380	168	95605	22.016	ng/ul	100
57) 2,4-Dinitrotoluene	15.339	165	25936	23.724	ng/ul	98
58) 2,3,4,6-Tetrachlorophenol	15.609	232	22943	23.826	ng/ul	97
59) Diethylphthalate	15.762	149	83584	22.170	ng/ul	99
61) Fluorene	16.026	166	81894	22.303	ng/ul	99
62) 4-Chlorophenyl-phenyle...	16.003	204	46112	21.516	ng/ul	95
63) 4-Nitroaniline	16.044	138	10910	21.291	ng/ul	96
66) 4,6-Dinitro-2-methylph...	16.103	198	15345	20.409	ng/ul	92
67) N-Nitrosodiphenylamine	16.220	169	70022	21.525	ng/ul	98
68) 4-Bromophenyl-phenylether	16.902	248	32406	21.771	ng/ul	96
69) Hexachlorobenzene	17.031	284	35556	22.685	ng/ul	97
70) Atrazine	17.148	200	32257	22.311	ng/ul	96
71) Pentachlorophenol	17.383	266	12700m	17.529	ng/ul	
72) Phenanthrene	17.771	178	144248	22.243	ng/ul	98
74) Anthracene	17.859	178	145648	22.358	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.800	216	38041	20.309	ng/uL	98
76) Pentachlorobenzene	15.304	250	41180	21.598	ng/uL	96
77) Carbazole	18.123	167	124449	22.860	ng/ul	99
78) Di-n-butylphthalate	18.640	149	142644	22.914	ng/ul	99
80) Fluoranthene	19.757	202	177231	23.054	ng/ul	98
82) Pyrene	20.121	202	176710	22.706	ng/ul	98
83) Butylbenzylphthalate	20.973	149	59384	23.826	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.912	252	57410	23.709	ng/ul	98
85) Benzo(a)anthracene	22.018	228	167823	21.763	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.860	149	82311	22.707	ng/ul	96
87) Chrysene	22.089	228	158044	21.723	ng/ul	98
89) Di-n-octyl phthalate	23.164	149	139003	22.574	ng/ul	100
90) Benzo(b)fluoranthene	24.427	252	168477	21.818	ng/ul	99
91) Benzo(k)fluoranthene	24.503	252	166429	22.154	ng/ul	99
93) Benzo(a)pyrene	25.390	252	149536	22.431	ng/ul#	97
94) Indeno(1,2,3-cd)pyrene	29.614	276	188690	22.643	ng/ul	98
95) Dibenzo(a,h)anthracene	29.678	278	157568	22.803	ng/ul	98
96) Benzo(g,h,i)perylene	30.894	276	151475	22.460	ng/ul	98

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

