

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022323\
 Data File : BG056709.D
 Acq On : 23 Feb 2023 12:14
 Operator : CG/JU
 Sample : SST01060
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SST010415

Quant Time: Feb 23 13:54:29 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG022323.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Feb 23 13:51:30 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/24/2023
 Supervised By :mohammad ahmed 02/24/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.427	152	15236	20.000	ng/u1	0.00
20) Naphthalene-d8	11.265	136	66749	20.000	ng/u1	0.00
38) Acenaphthene-d10	15.025	164	53370	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.763	188	136874	20.000	ng/u1	0.00
79) Chrysene-d12	22.076	240	109700	20.000	ng/u1	0.00
88) Perylene-d12	25.607	264	118487	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.709	96	1096	3.311	ng/uL	0.00
4) Pyridine-d5	4.150	84	10344m	8.605	ng/u1	0.00
7) Phenol-d5	7.546	99	13947	9.541	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.728	67	8643	9.883	ng/u1	0.00
11) 2-Chlorophenol-d4	7.946	132	9584	10.884	ng/u1	0.00
15) 4-Methylphenol-d8	9.115	113	11003	10.130	ng/u1	0.00
21) Nitrobenzene-d5	9.597	128	5467	13.134	ng/u1	0.00
24) 2-Nitrophenol-d4	10.331	143	6545	13.429	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.872	165	11981	10.731	ng/u1	0.00
31) 4-Chloroaniline-d4	11.383	131	15942	9.904	ng/u1	0.00
46) Dimethylphthalate-d6	14.414	166	42879	10.795	ng/u1	0.00
49) Acenaphthylene-d8	14.726	160	48082	10.477	ng/u1	0.00
54) 4-Nitrophenol-d4	15.178	143	7443	12.018	ng/u1	0.00
60) Fluorene-d10	16.013	176	39031	9.982	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	16.112	200	8287	12.621	ng/u1	0.00
73) Anthracene-d10	17.863	188	65423	10.415	ng/u1	0.00
81) Pyrene-d10	20.119	212	73564	11.682	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.360	264	62262	10.237	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.745	88	1371	3.376	ng/uL	98
5) Pyridine	4.168	79	11476m	9.317	ng/u1	
6) Benzaldehyde	7.546	77	9238	13.692	ng/u1	88
8) Phenol	7.575	94	14877	10.016	ng/u1	95
10) Bis(2-Chloroethyl)ether	7.822	93	10684	9.997	ng/u1	89
12) 2-Chlorophenol	7.981	128	9353	10.420	ng/u1	91
13) 2-Methylphenol	8.850	108	11249	9.960	ng/u1	93
14) 2,2'-oxybis(1-Chloropr...	8.944	45	14496	10.213	ng/u1	97
16) Acetophenone	9.250	105	19748	10.179	ng/u1	90
17) N-Nitroso-di-n-propyla...	9.220	70	11054	10.576	ng/u1	97
18) 4-Methylphenol	9.174	108	12358	10.273	ng/u1	93
19) Hexachloroethane	9.532	117	4090	11.623	ng/u1	93
22) Nitrobenzene	9.638	77	15947	13.714	ng/u1	96
23) Isophorone	10.161	82	31703	10.619	ng/u1	98
25) 2-Nitrophenol	10.360	139	6185	12.428	ng/u1	95
26) 2,4-Dimethylphenol	10.396	107	13972	10.352	ng/u1	95
27) Bis(2-Chloroethoxy)met...	10.637	93	15804	10.232	ng/u1	95
29) 2,4-Dichlorophenol	10.901	162	11604	10.557	ng/u1	88
30) Naphthalene	11.318	128	36311	10.323	ng/u1	99
32) 4-Chloroaniline	11.406	127	16177	10.197	ng/u1	99
33) Hexachlorobutadiene	11.588	225	9454	9.868	ng/u1	91
34) Caprolactam	12.147	113	3883	10.285	ng/u1	91
35) 4-Chloro-3-methylphenol	12.487	107	13413	11.020	ng/u1	95
36) 2-Methylnaphthalene	12.887	142	25217	9.732	ng/u1	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	13.104	142	25795	9.710	ng/ul	96
39) 1,2,4,5-Tetrachloroben...	13.239	216	18214	9.850	ng/ul	89
40) Hexachlorocyclopentadiene	13.222	237	11495	10.201	ng/ul	94
41) 2,4,6-Trichlorophenol	13.468	196	12277	11.640	ng/ul	91
42) 2,4,5-Trichlorophenol	13.545	196	13291	10.889	ng/ul	93
43) 1,1'-Biphenyl	13.868	154	38451	10.331	ng/ul	98
44) 2-Chloronaphthalene	13.921	162	31131	10.030	ng/ul	96
45) 2-Nitroaniline	14.103	65	10596	16.023	ng/ul	90
47) Dimethylphthalate	14.461	163	43841	10.884	ng/ul#	99
48) 2,6-Dinitrotoluene	14.585	165	8606	13.236	ng/ul#	87
50) Acenaphthylene	14.755	152	48143	10.209	ng/ul	98
51) 3-Nitroaniline	14.914	138	8352	13.066	ng/ul#	96
52) Acenaphthene	15.090	153	33249	10.162	ng/ul	98
53) 2,4-Dinitrophenol	15.119	184	4615	9.780	ng/ul	86
55) 4-Nitrophenol	15.190	109	8225m	13.829	ng/ul	
56) Dibenzofuran	15.419	168	50652	10.199	ng/ul	92
57) 2,4-Dinitrotoluene	15.366	165	12140	12.935	ng/ul	90
58) 2,3,4,6-Tetrachlorophenol	15.637	232	11809	11.179	ng/ul	93
59) Diethylphthalate	15.807	149	45012	11.605	ng/ul	99
61) Fluorene	16.065	166	41780	10.444	ng/ul	93
62) 4-Chlorophenyl-phenyle...	16.048	204	24241	10.170	ng/ul	97
63) 4-Nitroaniline	16.065	138	8336	13.312	ng/ul	97
66) 4,6-Dinitro-2-methylph...	16.124	198	7879	12.167	ng/ul#	99
67) N-Nitrosodiphenylamine	16.259	169	38012	10.801	ng/ul	97
68) 4-Bromophenyl-phenylether	16.941	248	16724	10.839	ng/ul	96
69) Hexachlorobenzene	17.070	284	17690	10.068	ng/ul	94
70) Atrazine	17.188	200	16453	11.232	ng/ul	95
71) Pentachlorophenol	17.405	266	9040	9.556	ng/ul	95
72) Phenanthrene	17.805	178	72582	10.380	ng/ul	97
74) Anthracene	17.893	178	73984	10.473	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.845	216	19744	10.608	ng/uL	98
76) Pentachlorobenzene	15.343	250	20088	10.285	ng/uL	94
77) Carbazole	18.157	167	63933	10.672	ng/ul	96
78) Di-n-butylphthalate	18.680	149	71375	11.866	ng/ul	99
80) Fluoranthene	19.790	202	87560	11.788	ng/ul	98
82) Pyrene	20.149	202	86452	11.681	ng/ul	99
83) Butylbenzylphthalate	21.007	149	26160	12.818	ng/ul	89
84) 3,3'-Dichlorobenzidine	21.947	252	30290	12.748	ng/ul	98
85) Benzo(a)anthracene	22.053	228	77904	10.304	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.917	149	39697	12.871	ng/ul	100
87) Chrysene	22.123	228	72388	10.409	ng/ul	99
89) Di-n-octyl phthalate	23.233	149	63053	11.503	ng/ul	100
90) Benzo(b)fluoranthene	24.473	252	76646	9.937	ng/ul	98
91) Benzo(k)fluoranthene	24.544	252	76599	10.317	ng/ul	98
93) Benzo(a)pyrene	25.437	252	70397	10.712	ng/ul	96
94) Indeno(1,2,3-cd)pyrene	29.691	276	93072m	10.282	ng/ul	
95) Dibenzo(a,h)anthracene	29.749	278	77968	10.417	ng/ul	95
96) Benzo(g,h,i)perylene	30.954	276	73318	10.161	ng/ul#	90

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

