

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110223\
 Data File : BG059604.D
 Acq On : 2 Nov 2023 18:03
 Operator : MA/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020471

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/03/2023
 Supervised By :mohammad ahmed 11/03/2023

Quant Time: Nov 03 04:21:26 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG102723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Oct 28 03:56:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.355	152	81009	20.000	ng/u1	0.00
20) Naphthalene-d8	11.205	136	517466	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.983	164	321649	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.733	188	497239	20.000	ng/u1	-0.01
79) Chrysene-d12	22.069	240	395787	20.000	ng/u1	#-0.01
88) Perylene-d12	25.676	264	488733	20.000	ng/u1	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.649	96	14635	6.759	ng/uL	0.00
4) Pyridine-d5	4.084	84	103720	17.143	ng/u1	0.00
7) Phenol-d5	7.468	99	149252	17.929	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.668	67	60343	15.782	ng/u1	-0.01
11) 2-Chlorophenol-d4	7.868	132	118957	17.614	ng/u1	0.00
15) 4-Methylphenol-d8	9.037	113	171648	25.990	ng/u1	0.00
21) Nitrobenzene-d5	9.554	128	87294	23.725	ng/u1	0.00
24) 2-Nitrophenol-d4	10.277	143	93459	24.743	ng/u1	-0.01
28) 2,4-Dichlorophenol-d3	10.799	165	173810	20.886	ng/u1	0.00
31) 4-Chloroaniline-d4	11.346	131	262722	19.178	ng/u1	0.00
46) Dimethylphthalate-d6	14.378	166	519243	17.819	ng/u1	-0.01
49) Acenaphthylene-d8	14.683	160	637817	18.651	ng/u1	-0.01
54) 4-Nitrophenol-d4	15.153	143	103519	20.715	ng/u1	0.00
60) Fluorene-d10	15.970	176	330355	13.265	ng/u1	-0.01
65) 4,6-Dinitro-2-methylph...	16.070	200	57631	24.474	ng/u1	-0.01
73) Anthracene-d10	17.832	188	510488	18.950	ng/u1	-0.01
81) Pyrene-d10	20.100	212	511881	18.607	ng/u1	-0.01
92) Benzo(a)pyrene-d12	25.418	264	531693	18.475	ng/u1	-0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.690	88	14342	5.918	ng/uL	95
5) Pyridine	4.107	79	97263	16.297	ng/u1#	80
6) Benzaldehyde	7.497	77	78270	20.875	ng/u1	95
8) Phenol	7.492	94	141793	18.068	ng/u1	96
10) Bis(2-Chloroethyl)ether	7.768	93	96736	16.809	ng/u1	92
12) 2-Chlorophenol	7.903	128	120456	17.991	ng/u1	95
13) 2-Methylphenol	8.772	108	121294	18.540	ng/u1	90
14) 2,2'-oxybis(1-Chloropr...	8.861	45	75068	13.861	ng/u1#	84
16) Acetophenone	9.195	105	262024	25.169	ng/u1	93
17) N-Nitroso-di-n-propyla...	9.160	70	104832	21.371	ng/u1#	93
18) 4-Methylphenol	9.101	108	177863	25.551	ng/u1	91
19) Hexachloroethane	9.442	117	68237	25.661	ng/u1	94
22) Nitrobenzene	9.595	77	179629	22.619	ng/u1#	87
23) Isophorone	10.106	82	338083	16.904	ng/u1#	92
25) 2-Nitrophenol	10.306	139	100962	24.853	ng/u1#	81
26) 2,4-Dimethylphenol	10.324	107	206333	19.310	ng/u1#	86
27) Bis(2-Chloroethoxy)met...	10.588	93	187967	16.879	ng/u1	99
29) 2,4-Dichlorophenol	10.829	162	167859	20.849	ng/u1#	88
30) Naphthalene	11.258	128	603100	18.699	ng/u1	98
32) 4-Chloroaniline	11.369	127	244471	18.787	ng/u1#	87
33) Hexachlorobutadiene	11.481	225	93433	19.344	ng/u1	94
34) Caprolactam	12.145	113	51878	17.613	ng/u1	97
35) 4-Chloro-3-methylphenol	12.433	107	195139	20.313	ng/u1	98
36) 2-Methylnaphthalene	12.832	142	419023	18.885	ng/u1	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	13.050	142	420551	19.029	ng/ul	95
39) 1,2,4,5-Tetrachloroben...	13.167	216	186048	20.054	ng/ul	90
40) Hexachlorocyclopentadiene	13.126	237	92967	17.191	ng/ul#	81
41) 2,4,6-Trichlorophenol	13.414	196	131915	20.535	ng/ul	91
42) 2,4,5-Trichlorophenol	13.485	196	145449m	20.914	ng/ul	
43) 1,1'-Biphenyl	13.819	154	540752	18.584	ng/ul	96
44) 2-Chloronaphthalene	13.872	162	420899	18.611	ng/ul	97
45) 2-Nitroaniline	14.084	65	113666	27.012	ng/ul	93
47) Dimethylphthalate	14.425	163	521405	18.110	ng/ul#	98
48) 2,6-Dinitrotoluene	14.566	165	108585	25.002	ng/ul#	78
50) Acenaphthylene	14.718	152	720492	18.285	ng/ul	96
51) 3-Nitroaniline	14.906	138	134735	24.889	ng/ul#	81
52) Acenaphthene	15.047	153	474952	18.492	ng/ul	97
53) 2,4-Dinitrophenol	15.094	184	58370	23.654	ng/ul#	71
55) 4-Nitrophenol	15.171	109	125997	22.879	ng/ul	90
56) Dibenzofuran	15.376	168	625379	18.781	ng/ul	95
57) 2,4-Dinitrotoluene	15.341	165	156835	25.673	ng/ul	99
58) 2,3,4,6-Tetrachlorophenol	15.582	232	123294	22.587	ng/ul#	88
59) Diethylphthalate	15.770	149	552609	17.596	ng/ul	98
61) Fluorene	16.023	166	469017	16.316	ng/ul	99
62) 4-Chlorophenyl-phenyle...	16.005	204	213078	17.344	ng/ul	93
63) 4-Nitroaniline	16.064	138	97933m	17.047	ng/ul	
66) 4,6-Dinitro-2-methylph...	16.087	198	61335	24.715	ng/ul#	73
67) N-Nitrosodiphenylamine	16.228	169	325150	19.137	ng/ul	98
68) 4-Bromophenyl-phenylether	16.910	248	106158	21.335	ng/ul	90
69) Hexachlorobenzene	16.998	284	110792	19.266	ng/ul	98
70) Atrazine	17.163	200	107219	20.365	ng/ul#	92
71) Pentachlorophenol	17.351	266	68328	20.799	ng/ul	92
72) Phenanthrene	17.774	178	608332	18.819	ng/ul	97
74) Anthracene	17.868	178	607751	18.620	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.778	216	185319	27.987	ng/uL	94
76) Pentachlorobenzene	15.271	250	175666	27.957	ng/uL	95
77) Carbazole	18.144	167	557130	19.870	ng/ul	98
78) Di-n-butylphthalate	18.649	149	693516	18.002	ng/ul	100
80) Fluoranthene	19.765	202	633663	18.896	ng/ul	99
82) Pyrene	20.130	202	656777	18.855	ng/ul	96
83) Butylbenzylphthalate	20.993	149	298672	18.986	ng/ul	95
84) 3,3'-Dichlorobenzidine	21.951	252	224308	21.794	ng/ul#	92
85) Benzo(a)anthracene	22.045	228	609536	18.714	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.881	149	437798	18.651	ng/ul	99
87) Chrysene	22.122	228	565233	18.656	ng/ul	96
89) Di-n-octyl phthalate	23.232	149	749821	17.523	ng/ul	100
90) Benzo(b)fluoranthene	24.501	252	592371	16.721	ng/ul#	98
91) Benzo(k)fluoranthene	24.583	252	613983m	17.351	ng/ul	
93) Benzo(a)pyrene	25.500	252	611490	18.262	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	29.848	276	823043m	19.393	ng/ul	
95) Dibenzo(a,h)anthracene	29.936	278	664439	18.956	ng/ul#	94
96) Benzo(g,h,i)perylene	31.170	276	638756	18.389	ng/ul	96

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

