

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101323\
 Data File : BG059440.D
 Acq On : 13 Oct 2023 9:21
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020599

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/16/2023
 Supervised By :mohammad ahmed 10/17/2023

Quant Time: Oct 13 11:10:00 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG101223.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 12 17:05:49 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.217	152	33116	20.000	ng/u1	0.00
20) Naphthalene-d8	11.060	136	147760	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.856	164	97414	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.606	188	243860	20.000	ng/u1	0.00
79) Chrysene-d12	21.907	240	259230	20.000	ng/u1	0.00
88) Perylene-d12	25.385	264	290656	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.510	96	8191m	7.756	ng/uL	0.00
4) Pyridine-d5	3.945	84	57829	20.009	ng/u1	0.00
7) Phenol-d5	7.341	99	70610	19.474	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.535	67	42086	20.366	ng/u1	0.00
11) 2-Chlorophenol-d4	7.735	132	53219	20.627	ng/u1	0.00
15) 4-Methylphenol-d8	8.910	113	53492	19.348	ng/u1	0.00
21) Nitrobenzene-d5	9.415	128	26610	21.807	ng/u1	0.00
24) 2-Nitrophenol-d4	10.132	143	26917	22.597	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.661	165	55173	22.288	ng/u1	0.00
31) 4-Chloroaniline-d4	11.207	131	84522	21.515	ng/u1	0.00
46) Dimethylphthalate-d6	14.251	166	175528	21.267	ng/u1	0.00
49) Acenaphthylene-d8	14.556	160	204708	20.570	ng/u1	0.00
54) 4-Nitrophenol-d4	15.050	143	29568	20.741	ng/u1	0.00
60) Fluorene-d10	15.843	176	164191	21.135	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.955	200	28661	19.235	ng/u1	0.00
73) Anthracene-d10	17.706	188	258976m	20.656	ng/u1	0.00
81) Pyrene-d10	19.979	212	314093	19.949	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.144	264	322013	20.236	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.546	88	9770	7.438	ng/uL#	71
5) Pyridine	3.963	79	58122	20.360	ng/u1	99
6) Benzaldehyde	7.359	77	37519	23.535	ng/u1	88
8) Phenol	7.371	94	71401	19.764	ng/u1	91
10) Bis(2-Chloroethyl)ether	7.635	93	57832	20.422	ng/u1	97
12) 2-Chlorophenol	7.764	128	51789	19.555	ng/u1	90
13) 2-Methylphenol	8.646	108	50419	19.035	ng/u1	92
14) 2,2'-oxybis(1-Chloropr...	8.734	45	119725m	20.193	ng/u1	
16) Acetophenone	9.057	105	85107	20.509	ng/u1	95
17) N-Nitroso-di-n-propyla...	9.022	70	41836	21.985	ng/u1#	96
18) 4-Methylphenol	8.975	108	57725	20.109	ng/u1	96
19) Hexachloroethane	9.298	117	20265	19.872	ng/u1#	86
22) Nitrobenzene	9.462	77	61644	22.641	ng/u1	90
23) Isophorone	9.962	82	123661	21.386	ng/u1	94
25) 2-Nitrophenol	10.167	139	27898	21.412	ng/u1	96
26) 2,4-Dimethylphenol	10.191	107	58770	21.544	ng/u1	92
27) Bis(2-Chloroethoxy)met...	10.449	93	77168	20.891	ng/u1#	97
29) 2,4-Dichlorophenol	10.690	162	50901	21.337	ng/u1	95
30) Naphthalene	11.107	128	188216	21.162	ng/u1	97
32) 4-Chloroaniline	11.231	127	75266	20.407	ng/u1	90
33) Hexachlorobutadiene	11.337	225	33985	21.536	ng/u1#	85
34) Caprolactam	12.006	113	19867m	23.578	ng/u1	
35) 4-Chloro-3-methylphenol	12.306	107	54958	22.552	ng/u1	94
36) 2-Methylnaphthalene	12.694	142	121127	21.109	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.917	142	126277	21.612	ng/ul	88
39) 1,2,4,5-Tetrachloroben...	13.040	216	63386	20.148	ng/ul	97
40) Hexachlorocyclopentadiene	12.993	237	35898	19.729	ng/ul	100
41) 2,4,6-Trichlorophenol	13.287	196	40538	20.966	ng/ul	99
42) 2,4,5-Trichlorophenol	13.358	196	41022	19.278	ng/ul	90
43) 1,1'-Biphenyl	13.687	154	176862	20.299	ng/ul	99
44) 2-Chloronaphthalene	13.746	162	133269	19.994	ng/ul#	90
45) 2-Nitroaniline	13.963	65	39499	22.302	ng/ul	94
47) Dimethylphthalate	14.298	163	173615	20.989	ng/ul	100
48) 2,6-Dinitrotoluene	14.445	165	31925	20.959	ng/ul	97
50) Acenaphthylene	14.586	152	217559	20.687	ng/ul	99
51) 3-Nitroaniline	14.785	138	36251	22.451	ng/ul#	94
52) Acenaphthene	14.921	153	151015	20.984	ng/ul	100
53) 2,4-Dinitrophenol	14.979	184	14371	17.828	ng/ul#	78
55) 4-Nitrophenol	15.062	109	21671	21.612	ng/ul	89
56) Dibenzofuran	15.250	168	204197	20.984	ng/ul	98
57) 2,4-Dinitrotoluene	15.220	165	50767	23.691	ng/ul	86
58) 2,3,4,6-Tetrachlorophenol	15.461	232	43975	23.129	ng/ul#	98
59) Diethylphthalate	15.643	149	170122	21.282	ng/ul#	93
61) Fluorene	15.896	166	171275	20.979	ng/ul	91
62) 4-Chlorophenyl-phenyle...	15.884	204	88151	21.508	ng/ul	92
63) 4-Nitroaniline	15.943	138	35725	22.853	ng/ul	92
66) 4,6-Dinitro-2-methylph...	15.972	198	31389	19.701	ng/ul#	89
67) N-Nitrosodiphenylamine	16.102	169	144482	20.270	ng/ul	94
68) 4-Bromophenyl-phenylether	16.777	248	51961	19.437	ng/ul	93
69) Hexachlorobenzene	16.871	284	59844	19.527	ng/ul#	90
70) Atrazine	17.036	200	57849	20.564	ng/ul#	91
71) Pentachlorophenol	17.230	266	33351	19.201	ng/ul	96
72) Phenanthrene	17.647	178	308730	20.359	ng/ul	98
74) Anthracene	17.741	178	309052	19.773	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.652	216	66619	18.967	ng/uL	96
76) Pentachlorobenzene	15.144	250	66930	19.697	ng/uL	97
77) Carbazole	18.017	167	279114	20.750	ng/ul	97
78) Di-n-butylphthalate	18.516	149	326619	21.336	ng/ul	99
80) Fluoranthene	19.644	202	381640	19.956	ng/ul	97
82) Pyrene	20.009	202	410557	20.199	ng/ul	97
83) Butylbenzylphthalate	20.861	149	140936	20.534	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.801	252	146164	21.748	ng/ul	99
85) Benzo(a)anthracene	21.883	228	414915	20.287	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.713	149	210720	21.288	ng/ul	96
87) Chrysene	21.959	228	389283	20.201	ng/ul	98
89) Di-n-octyl phthalate	23.005	149	347927	20.228	ng/ul	100
90) Benzo(b)fluoranthene	24.257	252	401572	20.342	ng/ul	98
91) Benzo(k)fluoranthene	24.333	252	418075	20.658	ng/ul	96
93) Benzo(a)pyrene	25.214	252	389854	20.594	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	29.392	276	442270m	20.774	ng/ul	
95) Dibenzo(a,h)anthracene	29.480	278	373744m	21.241	ng/ul	
96) Benzo(g,h,i)perylene	30.679	276	356914	20.647	ng/ul#	92

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

