

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092823\
 Data File : BG059234.D
 Acq On : 28 Sep 2023 17:40
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020576

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/03/2023
 Supervised By :mohammad ahmed 10/03/2023

Quant Time: Sep 29 01:41:35 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG092723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Sep 28 04:33:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.232	152	49654	20.000	ng/u1	0.00
20) Naphthalene-d8	11.076	136	268326	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.865	164	169387	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.615	188	379299	20.000	ng/u1	0.00
79) Chrysene-d12	21.916	240	351072	20.000	ng/u1	0.00
88) Perylene-d12	25.400	264	415387	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.526	96	10298	7.827	ng/uL	0.00
4) Pyridine-d5	3.966	84	83547	21.764	ng/u1	0.00
7) Phenol-d5	7.357	99	111137	22.360	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.550	67	72209	22.742	ng/u1	0.00
11) 2-Chlorophenol-d4	7.750	132	83306	24.934	ng/u1	0.00
15) 4-Methylphenol-d8	8.925	113	85163	22.166	ng/u1	0.00
21) Nitrobenzene-d5	9.431	128	41865	22.110	ng/u1	0.00
24) 2-Nitrophenol-d4	10.147	143	44994	24.206	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.676	165	86270	22.593	ng/u1	0.00
31) 4-Chloroaniline-d4	11.217	131	131082	21.217	ng/u1	0.00
46) Dimethylphthalate-d6	14.260	166	257531	21.029	ng/u1	0.00
49) Acenaphthylene-d8	14.566	160	320043	20.820	ng/u1	0.00
54) 4-Nitrophenol-d4	15.059	143	45611	21.328	ng/u1	0.00
60) Fluorene-d10	15.852	176	240320	20.618	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.964	200	37893	19.436	ng/u1	0.00
73) Anthracene-d10	17.715	188	359911	20.825	ng/u1	0.00
81) Pyrene-d10	19.989	212	401463	20.420	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.153	264	410770	20.578	ng/u1	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.567	88	11640	7.531	ng/uL#	78
5) Pyridine	3.984	79	84833	21.763	ng/u1#	91
6) Benzaldehyde	7.374	77	51948	23.800	ng/u1	94
8) Phenol	7.386	94	111377	22.526	ng/u1#	90
10) Bis(2-Chloroethyl)ether	7.650	93	92324	22.768	ng/u1	98
12) 2-Chlorophenol	7.785	128	84691	24.041	ng/u1	97
13) 2-Methylphenol	8.661	108	82759	22.154	ng/u1	100
14) 2,2'-oxybis(1-Chloropr...	8.737	45	203853	22.740	ng/u1#	97
16) Acetophenone	9.072	105	136993	23.023	ng/u1	98
17) N-Nitroso-di-n-propyla...	9.037	70	70004	23.193	ng/u1#	95
18) 4-Methylphenol	8.990	108	92293	23.318	ng/u1	94
19) Hexachloroethane	9.313	117	32146	23.163	ng/u1	92
22) Nitrobenzene	9.472	77	98323	21.036	ng/u1	98
23) Isophorone	9.983	82	203119	20.208	ng/u1	97
25) 2-Nitrophenol	10.183	139	48639	23.749	ng/u1#	91
26) 2,4-Dimethylphenol	10.206	107	93789	21.417	ng/u1	98
27) Bis(2-Chloroethoxy)met...	10.465	93	132782	20.937	ng/u1	99
29) 2,4-Dichlorophenol	10.706	162	83976	22.124	ng/u1	98
30) Naphthalene	11.129	128	299741	20.834	ng/u1	98
32) 4-Chloroaniline	11.246	127	122702	20.769	ng/u1	89
33) Hexachlorobutadiene	11.352	225	52464	20.652	ng/u1	97
34) Caprolactam	12.022	113	28064	21.368	ng/u1	91
35) 4-Chloro-3-methylphenol	12.321	107	87205	21.532	ng/u1	99
36) 2-Methylnaphthalene	12.709	142	195277	20.719	ng/u1	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.926	142	201383	21.053	ng/ul#	96
39) 1,2,4,5-Tetrachloroben...	13.056	216	102412	20.195	ng/ul	99
40) Hexachlorocyclopentadiene	13.009	237	63077	20.164	ng/ul	96
41) 2,4,6-Trichlorophenol	13.297	196	67293	21.674	ng/ul	93
42) 2,4,5-Trichlorophenol	13.373	196	70578	21.664	ng/ul	99
43) 1,1'-Biphenyl	13.702	154	282603	20.658	ng/ul	97
44) 2-Chloronaphthalene	13.755	162	209316	20.322	ng/ul	92
45) 2-Nitroaniline	13.972	65	65941	22.697	ng/ul	98
47) Dimethylphthalate	14.307	163	256179	20.423	ng/ul	97
48) 2,6-Dinitrotoluene	14.454	165	47964	22.482	ng/ul	92
50) Acenaphthylene	14.601	152	340125	20.729	ng/ul	98
51) 3-Nitroaniline	14.795	138	52828	22.938	ng/ul	96
52) Acenaphthene	14.930	153	230386	20.456	ng/ul	96
53) 2,4-Dinitrophenol	14.989	184	21641m	18.248	ng/ul	
55) 4-Nitrophenol	15.071	109	31002	20.551	ng/ul	96
56) Dibenzofuran	15.265	168	310804	20.819	ng/ul	99
57) 2,4-Dinitrotoluene	15.230	165	70271	22.245	ng/ul#	89
58) 2,3,4,6-Tetrachlorophenol	15.471	232	63442	21.511	ng/ul	95
59) Diethylphthalate	15.659	149	247945	20.446	ng/ul	95
61) Fluorene	15.911	166	258623	20.632	ng/ul	95
62) 4-Chlorophenyl-phenyle...	15.894	204	128774	20.608	ng/ul	97
63) 4-Nitroaniline	15.952	138	46681	22.024	ng/ul	96
66) 4,6-Dinitro-2-methylph...	15.982	198	42257	20.556	ng/ul#	91
67) N-Nitrosodiphenylamine	16.111	169	210237	20.794	ng/ul	97
68) 4-Bromophenyl-phenylether	16.793	248	75936	20.665	ng/ul	97
69) Hexachlorobenzene	16.881	284	86621	20.866	ng/ul	95
70) Atrazine	17.045	200	82161	21.371	ng/ul#	95
71) Pentachlorophenol	17.239	266	51957	21.747	ng/ul	91
72) Phenanthrene	17.656	178	425462	20.440	ng/ul	97
74) Anthracene	17.750	178	453003	21.076	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.661	216	107260	21.459	ng/ul	94
76) Pentachlorobenzene	15.159	250	102083	20.684	ng/ul	98
77) Carbazole	18.026	167	370087	21.126	ng/ul	97
78) Di-n-butylphthalate	18.532	149	444153	21.389	ng/ul	97
80) Fluoranthene	19.654	202	491377	20.288	ng/ul	98
82) Pyrene	20.018	202	516165	20.120	ng/ul	98
83) Butylbenzylphthalate	20.870	149	193411	21.379	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.810	252	171462	21.089	ng/ul	96
85) Benzo(a)anthracene	21.898	228	505597	20.458	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.728	149	287575	20.934	ng/ul#	99
87) Chrysene	21.969	228	477051	20.438	ng/ul	97
89) Di-n-octyl phthalate	23.026	149	496549	20.554	ng/ul	100
90) Benzo(b)fluoranthene	24.272	252	514317	20.215	ng/ul	99
91) Benzo(k)fluoranthene	24.343	252	524169	20.333	ng/ul	99
93) Benzo(a)pyrene	25.230	252	486395	20.153	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	29.413	276	543225m	19.883	ng/ul	
95) Dibenzo(a,h)anthracene	29.507	278	454441m	20.454	ng/ul	
96) Benzo(g,h,i)perylene	30.694	276	441461m	19.873	ng/ul	

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

