

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091223\
 Data File : BG059011.D
 Acq On : 12 Sep 2023 15:11
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020556

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/13/2023
 Supervised By :mohammad ahmed 09/14/2023

Quant Time: Sep 13 00:01:54 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091023.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Sep 12 23:54:19 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.311	152	104485	20.000	ng/u1	0.00
20) Naphthalene-d8	11.155	136	503072	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.939	164	384041	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.689	188	1044373	20.000	ng/u1	# 0.00
79) Chrysene-d12	22.013	240	999305	20.000	ng/u1	# 0.00
88) Perylene-d12	25.573	264	1105978	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.629	96	25674m	10.444	ng/uL	0.00
4) Pyridine-d5	4.057	84	174261	22.391	ng/u1	0.00
7) Phenol-d5	7.424	99	215986	20.499	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.630	67	130138	21.064	ng/u1	0.00
11) 2-Chlorophenol-d4	7.824	132	150218	22.230	ng/u1	0.00
15) 4-Methylphenol-d8	8.993	113	174880	21.483	ng/u1	0.00
21) Nitrobenzene-d5	9.510	128	68184	18.685	ng/u1	0.00
24) 2-Nitrophenol-d4	10.227	143	76300	19.056	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.750	165	177871	20.902	ng/u1	0.00
31) 4-Chloroaniline-d4	11.296	131	266249	23.266	ng/u1	0.00
46) Dimethylphthalate-d6	14.334	166	673203	22.599	ng/u1	0.00
49) Acenaphthylene-d8	14.639	160	719244	21.682	ng/u1	0.00
54) 4-Nitrophenol-d4	15.109	143	112568	22.749	ng/u1	0.00
60) Fluorene-d10	15.926	176	597989	22.620	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	16.032	200	101349	19.770	ng/u1	0.00
73) Anthracene-d10	17.788	188	1008864	21.760	ng/u1	0.00
81) Pyrene-d10	20.062	212	1197998	22.631	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.321	264	1147880	21.173	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.664	88	24018	7.583	ng/uL#	80
5) Pyridine	4.081	79	178894	21.527	ng/u1	92
6) Benzaldehyde	7.459	77	149395	23.186	ng/u1	85
8) Phenol	7.448	94	242544	21.647	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.730	93	175478	21.428	ng/u1	99
12) 2-Chlorophenol	7.859	128	144657	20.710	ng/u1	96
13) 2-Methylphenol	8.728	108	181639	21.530	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.817	45	229179m	23.306	ng/u1	
16) Acetophenone	9.152	105	303764	22.508	ng/u1	96
17) N-Nitroso-di-n-propyla...	9.116	70	164934	21.802	ng/u1#	97
18) 4-Methylphenol	9.063	108	197925	21.481	ng/u1	88
19) Hexachloroethane	9.398	117	63794	21.792	ng/u1	83
22) Nitrobenzene	9.551	77	213446	19.539	ng/u1	95
23) Isophorone	10.056	82	511591	22.046	ng/u1	98
25) 2-Nitrophenol	10.262	139	79393	19.446	ng/u1	92
26) 2,4-Dimethylphenol	10.280	107	219619	21.705	ng/u1	93
27) Bis(2-Chloroethoxy)met...	10.544	93	265519	21.349	ng/u1	95
29) 2,4-Dichlorophenol	10.779	162	166121	20.607	ng/u1	91
30) Naphthalene	11.208	128	562204	21.201	ng/u1	98
32) 4-Chloroaniline	11.325	127	249172	22.679	ng/u1	99
33) Hexachlorobutadiene	11.437	225	124814	19.788	ng/u1	92
34) Caprolactam	12.095	113	71230m	24.897	ng/u1	
35) 4-Chloro-3-methylphenol	12.389	107	209074	21.109	ng/u1#	82
36) 2-Methylnaphthalene	12.788	142	418239	21.136	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	13.006	142	415215	21.274	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	13.129	216	250834	20.009	ng/ul	99
40) Hexachlorocyclopentadiene	13.082	237	151201	16.392	ng/ul#	90
41) 2,4,6-Trichlorophenol	13.370	196	163606	20.557	ng/ul	96
42) 2,4,5-Trichlorophenol	13.441	196	173664m	20.156	ng/ul	
43) 1,1'-Biphenyl	13.775	154	593976	20.691	ng/ul#	98
44) 2-Chloronaphthalene	13.828	162	451388	20.587	ng/ul	99
45) 2-Nitroaniline	14.040	65	131131	19.501	ng/ul	97
47) Dimethylphthalate	14.381	163	634025	22.510	ng/ul	99
48) 2,6-Dinitrotoluene	14.522	165	109575	20.451	ng/ul	94
50) Acenaphthylene	14.669	152	792080	21.901	ng/ul	98
51) 3-Nitroaniline	14.862	138	113548	22.084	ng/ul#	86
52) Acenaphthene	15.003	153	530509	21.859	ng/ul	99
53) 2,4-Dinitrophenol	15.056	184	65958	19.099	ng/ul#	75
55) 4-Nitrophenol	15.121	109	118550	20.306	ng/ul	94
56) Dibenzofuran	15.338	168	775964	22.074	ng/ul	99
57) 2,4-Dinitrotoluene	15.297	165	167021	22.591	ng/ul#	86
58) 2,3,4,6-Tetrachlorophenol	15.538	232	175606	21.338	ng/ul#	94
59) Diethylphthalate	15.726	149	661632	23.826	ng/ul	94
61) Fluorene	15.985	166	663308	22.958	ng/ul	94
62) 4-Chlorophenyl-phenyle...	15.967	204	335717	21.960	ng/ul	98
63) 4-Nitroaniline	16.020	138	121183	24.868	ng/ul	89
66) 4,6-Dinitro-2-methylph...	16.043	198	107583	19.228	ng/ul	99
67) N-Nitrosodiphenylamine	16.184	169	558679	20.295	ng/ul	97
68) 4-Bromophenyl-phenylether	16.866	248	211813	18.488	ng/ul	90
69) Hexachlorobenzene	16.954	284	266834	20.288	ng/ul	98
70) Atrazine	17.119	200	249760	23.184	ng/ul	95
71) Pentachlorophenol	17.307	266	172176	21.237	ng/ul	98
72) Phenanthrene	17.730	178	1136125	21.435	ng/ul	99
74) Anthracene	17.824	178	1174381	21.799	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.734	216	269227	17.865	ng/uL	97
76) Pentachlorobenzene	15.227	250	268813	18.458	ng/uL	94
77) Carbazole	18.100	167	1047809	23.226	ng/ul	97
78) Di-n-butylphthalate	18.605	149	1173463	23.464	ng/ul	99
80) Fluoranthene	19.727	202	1393134	22.663	ng/ul	97
82) Pyrene	20.092	202	1443357	22.585	ng/ul	98
83) Butylbenzylphthalate	20.949	149	502580	24.887	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.901	252	476192	21.478	ng/ul	95
85) Benzo(a)anthracene	21.989	228	1439062	21.473	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.831	149	738842	24.429	ng/ul	98
87) Chrysene	22.060	228	1342020	21.541	ng/ul	98
89) Di-n-octyl phthalate	23.159	149	1198467	23.556	ng/ul	100
90) Benzo(b)fluoranthene	24.416	252	1402987	21.295	ng/ul	99
91) Benzo(k)fluoranthene	24.498	252	1385269	20.575	ng/ul	97
93) Benzo(a)pyrene	25.403	252	1296626	21.094	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	29.680	276	1594032m	20.523	ng/ul	
95) Dibenzo(a,h)anthracene	29.774	278	1323633	20.567	ng/ul	99
96) Benzo(g,h,i)perylene	30.991	276	1264659m	20.571	ng/ul	

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

