

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101923\
 Data File : BG059496.D
 Acq On : 19 Oct 2023 19:52
 Operator : MA/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020456

Quant Time: Oct 20 04:23:42 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG101923.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 20 03:52:07 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/20/2023
 Supervised By :mohammad ahmed 10/20/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.188	152	39470	20.000	ng/u1	0.00
20) Naphthalene-d8	11.031	136	186574	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.827	164	117643	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.577	188	284453	20.000	ng/u1	0.00
79) Chrysene-d12	21.872	240	281105	20.000	ng/u1	0.00
88) Perylene-d12	25.315	264	325749	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.476	96	10142	8.106	ng/uL	0.00
4) Pyridine-d5	3.910	84	103895	24.182	ng/u1	0.00
7) Phenol-d5	7.312	99	86854	22.083	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.512	67	50612	22.450	ng/u1	0.00
11) 2-Chlorophenol-d4	7.706	132	65777	20.937	ng/u1	0.00
15) 4-Methylphenol-d8	8.887	113	68072	20.090	ng/u1	0.00
21) Nitrobenzene-d5	9.386	128	32884	18.060	ng/u1	0.00
24) 2-Nitrophenol-d4	10.103	143	38075	21.245	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.632	165	66716	20.121	ng/u1	0.00
31) 4-Chloroaniline-d4	11.178	131	95198	19.335	ng/u1	0.00
46) Dimethylphthalate-d6	14.222	166	205849	18.019	ng/u1	0.00
49) Acenaphthylene-d8	14.533	160	247246	18.800	ng/u1	0.00
54) 4-Nitrophenol-d4	15.015	143	37341	19.926	ng/u1	0.00
60) Fluorene-d10	15.814	176	187640	19.236	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.932	200	37410	19.555	ng/u1	0.00
73) Anthracene-d10	17.677	188	299725	19.135	ng/u1	0.00
81) Pyrene-d10	19.950	212	362824	19.671	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.068	264	354836	19.035	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.511	88	12370m	8.690	ng/uL	
5) Pyridine	3.934	79	107705	24.198	ng/u1	96
6) Benzaldehyde	7.336	77	45812	25.872	ng/u1	84
8) Phenol	7.342	94	88005	22.631	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.606	93	67842	20.209	ng/u1	92
12) 2-Chlorophenol	7.735	128	65464	20.667	ng/u1	92
13) 2-Methylphenol	8.617	108	65134	19.707	ng/u1	92
14) 2,2'-oxybis(1-Chloropr...	8.699	45	142959	19.111	ng/u1	98
16) Acetophenone	9.034	105	100794	19.704	ng/u1	92
17) N-Nitroso-di-n-propyla...	8.993	70	48595	18.286	ng/u1#	92
18) 4-Methylphenol	8.951	108	68143	19.072	ng/u1	87
19) Hexachloroethane	9.269	117	25498	19.567	ng/u1	91
22) Nitrobenzene	9.433	77	72027	17.182	ng/u1#	87
23) Isophorone	9.933	82	151415	18.832	ng/u1#	96
25) 2-Nitrophenol	10.138	139	39689	21.040	ng/u1#	84
26) 2,4-Dimethylphenol	10.168	107	68177	19.029	ng/u1	97
27) Bis(2-Chloroethoxy)met...	10.420	93	94855	18.982	ng/u1#	92
29) 2,4-Dichlorophenol	10.661	162	63253	18.980	ng/u1#	92
30) Naphthalene	11.084	128	226485	19.317	ng/u1	99
32) 4-Chloroaniline	11.202	127	94339	20.195	ng/u1#	89
33) Hexachlorobutadiene	11.313	225	41781	19.545	ng/u1	92
34) Caprolactam	11.971	113	19938m	19.091	ng/u1	
35) 4-Chloro-3-methylphenol	12.283	107	64035	19.548	ng/u1	95
36) 2-Methylnaphthalene	12.671	142	198325	25.630	ng/u1	88

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.888	142	201556	25.556	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	13.017	216	92778	23.406	ng/ul	99
40) Hexachlorocyclopentadiene	12.964	237	49265	22.297	ng/ul#	93
41) 2,4,6-Trichlorophenol	13.258	196	67791	27.861	ng/ul#	87
42) 2,4,5-Trichlorophenol	13.329	196	73889m	26.554	ng/ul	
43) 1,1'-Biphenyl	13.664	154	302985	27.489	ng/ul#	97
44) 2-Chloronaphthalene	13.717	162	220675	25.464	ng/ul	97
45) 2-Nitroaniline	13.934	65	74346	26.314	ng/ul	94
47) Dimethylphthalate	14.269	163	207986	18.441	ng/ul	97
48) 2,6-Dinitrotoluene	14.416	165	38738	17.448	ng/ul#	87
50) Acenaphthylene	14.563	152	268013	18.926	ng/ul	97
51) 3-Nitroaniline	14.756	138	46890	21.911	ng/ul#	75
52) Acenaphthene	14.892	153	181799	19.924	ng/ul	95
53) 2,4-Dinitrophenol	14.950	184	18307	16.255	ng/ul	94
55) 4-Nitrophenol	15.033	109	24815	19.110	ng/ul	96
56) Dibenzofuran	15.227	168	244935	19.908	ng/ul	96
57) 2,4-Dinitrotoluene	15.197	165	61415	20.214	ng/ul	92
58) 2,3,4,6-Tetrachlorophenol	15.432	232	48762	19.558	ng/ul#	89
59) Diethylphthalate	15.614	149	200602	19.488	ng/ul	99
61) Fluorene	15.873	166	203522	19.763	ng/ul#	93
62) 4-Chlorophenyl-phenyle...	15.855	204	100347	19.099	ng/ul	95
63) 4-Nitroaniline	15.914	138	46846	22.605	ng/ul	94
66) 4,6-Dinitro-2-methylph...	15.943	198	39767	19.601	ng/ul#	95
67) N-Nitrosodiphenylamine	16.073	169	166504	18.945	ng/ul	97
68) 4-Bromophenyl-phenylether	16.748	248	60920	18.988	ng/ul	94
69) Hexachlorobenzene	16.842	284	76694	21.104	ng/ul	96
70) Atrazine	17.007	200	64735	20.654	ng/ul	95
71) Pentachlorophenol	17.201	266	41332m	20.250	ng/ul	
72) Phenanthrene	17.618	178	360412	19.415	ng/ul	98
74) Anthracene	17.712	178	373577	19.548	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.623	216	107344	25.651	ng/ul	94
76) Pentachlorobenzene	15.121	250	81317	19.840	ng/ul	95
77) Carbazole	17.988	167	319137	20.836	ng/ul	96
78) Di-n-butylphthalate	18.493	149	375462	20.084	ng/ul	100
80) Fluoranthene	19.615	202	446974	19.650	ng/ul	99
82) Pyrene	19.980	202	462191	19.277	ng/ul	99
83) Butylbenzylphthalate	20.832	149	167524	20.130	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.766	252	161180	21.372	ng/ul	95
85) Benzo(a)anthracene	21.848	228	459012	19.728	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.678	149	233658	19.244	ng/ul	95
87) Chrysene	21.919	228	432548	19.887	ng/ul	98
89) Di-n-octyl phthalate	22.959	149	401017	20.376	ng/ul	100
90) Benzo(b)fluoranthene	24.198	252	448590	19.341	ng/ul	99
91) Benzo(k)fluoranthene	24.275	252	462978	19.307	ng/ul	96
93) Benzo(a)pyrene	25.150	252	425172	19.244	ng/ul	95
94) Indeno(1,2,3-cd)pyrene	29.281	276	481367m	19.141	ng/ul	
95) Dibenzo(a,h)anthracene	29.357	278	383852	18.768	ng/ul	98
96) Benzo(g,h,i)perylene	30.544	276	383945m	18.180	ng/ul	

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

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