

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101623\
 Data File : BG059462.D
 Acq On : 16 Oct 2023 18:35
 Operator : MA/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020453

Quant Time: Oct 17 03:39:19 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

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/17/2023
 Supervised By :mohammad ahmed 10/18/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.218	152	35724	20.000	ng/u1	0.00
20) Naphthalene-d8	11.061	136	160387	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.857	164	103556	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.607	188	252846	20.000	ng/u1	0.00
79) Chrysene-d12	21.907	240	265601	20.000	ng/u1	# 0.00
88) Perylene-d12	25.386	264	304356	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.511	96	8490	7.453	ng/uL	0.00
4) Pyridine-d5	3.946	84	88732	28.460	ng/u1	0.00
7) Phenol-d5	7.348	99	75576	19.322	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.536	67	43004	19.291	ng/u1	0.00
11) 2-Chlorophenol-d4	7.736	132	56479	20.293	ng/u1	0.00
15) 4-Methylphenol-d8	8.911	113	55210	18.512	ng/u1	0.00
21) Nitrobenzene-d5	9.410	128	27262	20.582	ng/u1	0.00
24) 2-Nitrophenol-d4	10.133	143	29168	22.558	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.662	165	54633	20.333	ng/u1	0.00
31) 4-Chloroaniline-d4	11.208	131	86096	20.191	ng/u1	0.00
46) Dimethylphthalate-d6	14.252	166	181654	20.704	ng/u1	0.00
49) Acenaphthylene-d8	14.557	160	217641	20.573	ng/u1	0.00
54) 4-Nitrophenol-d4	15.045	143	34012	22.443	ng/u1	0.00
60) Fluorene-d10	15.844	176	165673	20.061	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.956	200	32241	20.869	ng/u1	0.00
73) Anthracene-d10	17.707	188	263715	20.286	ng/u1	0.00
81) Pyrene-d10	19.980	212	325505	20.177	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.139	264	341396	20.489	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.553	88	10026	7.075	ng/uL#	78
5) Pyridine	3.970	79	85719	27.835	ng/u1	98
6) Benzaldehyde	7.366	77	40030	23.277	ng/u1#	85
8) Phenol	7.372	94	75841	19.460	ng/u1	95
10) Bis(2-Chloroethyl)ether	7.636	93	61207	20.036	ng/u1	95
12) 2-Chlorophenol	7.771	128	56210	19.675	ng/u1	94
13) 2-Methylphenol	8.647	108	55998	19.598	ng/u1	94
14) 2,2'-oxybis(1-Chloropr...	8.723	45	127465m	19.929	ng/u1	
16) Acetophenone	9.064	105	88750	19.826	ng/u1	98
17) N-Nitroso-di-n-propyla...	9.023	70	43920	21.395	ng/u1#	97
18) 4-Methylphenol	8.976	108	59171	19.108	ng/u1	86
19) Hexachloroethane	9.299	117	20959	19.053	ng/u1#	82
22) Nitrobenzene	9.463	77	62522	21.155	ng/u1	95
23) Isophorone	9.963	82	128177	20.422	ng/u1#	93
25) 2-Nitrophenol	10.168	139	32605	23.055	ng/u1#	82
26) 2,4-Dimethylphenol	10.198	107	60261	20.352	ng/u1	95
27) Bis(2-Chloroethoxy)met...	10.450	93	82173	20.494	ng/u1#	92
29) 2,4-Dichlorophenol	10.691	162	54953	21.222	ng/u1	100
30) Naphthalene	11.108	128	198326	20.544	ng/u1	98
32) 4-Chloroaniline	11.226	127	80987	20.229	ng/u1#	87
33) Hexachlorobutadiene	11.338	225	32231	18.817	ng/u1	97
34) Caprolactam	12.019	113	18411m	20.130	ng/u1	
35) 4-Chloro-3-methylphenol	12.313	107	53530	20.236	ng/u1	88
36) 2-Methylnaphthalene	12.695	142	125235	20.106	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.918	142	130926	20.643	ng/ul#	86
39) 1,2,4,5-Tetrachloroben...	13.041	216	66775	19.966	ng/ul	96
40) Hexachlorocyclopentadiene	12.994	237	36434	18.836	ng/ul#	83
41) 2,4,6-Trichlorophenol	13.288	196	42233	20.547	ng/ul	98
42) 2,4,5-Trichlorophenol	13.359	196	46808m	20.692	ng/ul	
43) 1,1'-Biphenyl	13.694	154	184493	19.919	ng/ul	93
44) 2-Chloronaphthalene	13.746	162	142995	20.180	ng/ul#	86
45) 2-Nitroaniline	13.964	65	44137	23.443	ng/ul	100
47) Dimethylphthalate	14.299	163	177751	20.214	ng/ul	99
48) 2,6-Dinitrotoluene	14.446	165	34195	21.117	ng/ul	92
50) Acenaphthylene	14.587	152	224791	20.107	ng/ul#	96
51) 3-Nitroaniline	14.786	138	39353	22.927	ng/ul	97
52) Acenaphthene	14.922	153	150781	19.709	ng/ul	95
53) 2,4-Dinitrophenol	14.980	184	18147	21.177	ng/ul	93
55) 4-Nitrophenol	15.063	109	23716	22.248	ng/ul	98
56) Dibenzofuran	15.251	168	212451	20.537	ng/ul	95
57) 2,4-Dinitrotoluene	15.227	165	50325	22.092	ng/ul	88
58) 2,3,4,6-Tetrachlorophenol	15.462	232	43725	21.634	ng/ul	94
59) Diethylphthalate	15.644	149	180572	21.250	ng/ul#	93
61) Fluorene	15.903	166	180260	20.770	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.879	204	88188	20.241	ng/ul	96
63) 4-Nitroaniline	15.944	138	40873	24.595	ng/ul	85
66) 4,6-Dinitro-2-methylph...	15.973	198	35356	21.402	ng/ul	95
67) N-Nitrosodiphenylamine	16.103	169	152370	20.617	ng/ul	97
68) 4-Bromophenyl-phenylether	16.778	248	55619	20.066	ng/ul	96
69) Hexachlorobenzene	16.872	284	64047	20.156	ng/ul	92
70) Atrazine	17.037	200	61707	21.155	ng/ul	90
71) Pentachlorophenol	17.231	266	33241	18.458	ng/ul#	90
72) Phenanthrene	17.648	178	316149m	20.108	ng/ul	
74) Anthracene	17.742	178	331386	20.449	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.652	216	65533	17.995	ng/uL	88
76) Pentachlorobenzene	15.145	250	68580	19.465	ng/uL	93
77) Carbazole	18.018	167	282741	20.272	ng/ul	99
78) Di-n-butylphthalate	18.523	149	332671	20.959	ng/ul	99
80) Fluoranthene	19.645	202	396682	20.244	ng/ul#	96
82) Pyrene	20.010	202	412585	19.812	ng/ul	100
83) Butylbenzylphthalate	20.862	149	152065	21.624	ng/ul	95
84) 3,3'-Dichlorobenzidine	21.808	252	148802	21.610	ng/ul#	97
85) Benzo(a)anthracene	21.890	228	420732	20.078	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.719	149	216312	21.329	ng/ul	97
87) Chrysene	21.960	228	399262	20.222	ng/ul	97
89) Di-n-octyl phthalate	23.006	149	364579	20.242	ng/ul	100
90) Benzo(b)fluoranthene	24.258	252	420177	20.326	ng/ul	99
91) Benzo(k)fluoranthene	24.334	252	431802	20.375	ng/ul	100
93) Benzo(a)pyrene	25.221	252	405604	20.461	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	29.393	276	454536m	20.389	ng/ul	
95) Dibenzo(a,h)anthracene	29.475	278	373531	20.274	ng/ul	97
96) Benzo(g,h,i)perylene	30.674	276	367075m	20.279	ng/ul	

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

