

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101323\
 Data File : BG059447.D
 Acq On : 13 Oct 2023 17:58
 Operator : MA/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020451

Quant Time: Oct 14 01:05:11 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 10/16/2023
 Supervised By :mohammad ahmed 10/17/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.217	152	37048	20.000	ng/u1	0.00
20) Naphthalene-d8	11.061	136	172920	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.856	164	110704	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.606	188	254280	20.000	ng/u1	0.00
79) Chrysene-d12	21.907	240	260152	20.000	ng/u1	0.00
88) Perylene-d12	25.385	264	296486	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.511	96	8887	7.522	ng/uL	0.00
4) Pyridine-d5	3.945	84	67753	20.954	ng/u1	0.00
7) Phenol-d5	7.341	99	81468	20.084	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.535	67	50048	21.648	ng/u1	0.00
11) 2-Chlorophenol-d4	7.735	132	56791	19.675	ng/u1	0.00
15) 4-Methylphenol-d8	8.910	113	62261	20.130	ng/u1	0.00
21) Nitrobenzene-d5	9.415	128	29333	20.541	ng/u1	0.00
24) 2-Nitrophenol-d4	10.132	143	30391	21.801	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.661	165	60123	20.754	ng/u1	0.00
31) 4-Chloroaniline-d4	11.207	131	89860	19.546	ng/u1	0.00
46) Dimethylphthalate-d6	14.245	166	187208	19.960	ng/u1	0.00
49) Acenaphthylene-d8	14.556	160	225247	19.917	ng/u1	0.00
54) 4-Nitrophenol-d4	15.044	143	33385	20.607	ng/u1	0.00
60) Fluorene-d10	15.843	176	173616	19.665	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.955	200	31781	20.455	ng/u1	0.00
73) Anthracene-d10	17.700	188	271425	20.762	ng/u1	0.00
81) Pyrene-d10	19.980	212	310523	19.652	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.138	264	327584	20.182	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.552	88	9775	6.652	ng/uL#	93
5) Pyridine	3.969	79	66943	20.961	ng/u1	95
6) Benzaldehyde	7.365	77	42024	23.563	ng/u1	90
8) Phenol	7.371	94	78851	19.509	ng/u1	95
10) Bis(2-Chloroethyl)ether	7.635	93	61701	19.476	ng/u1	92
12) 2-Chlorophenol	7.770	128	61396	20.722	ng/u1	96
13) 2-Methylphenol	8.646	108	58577	19.768	ng/u1	95
14) 2,2'-oxybis(1-Chloropr...	8.722	45	133876	20.184	ng/u1#	95
16) Acetophenone	9.063	105	92024	19.822	ng/u1	95
17) N-Nitroso-di-n-propyla...	9.022	70	44827	21.056	ng/u1	94
18) 4-Methylphenol	8.975	108	63307	19.713	ng/u1	94
19) Hexachloroethane	9.298	117	21373	18.735	ng/u1	90
22) Nitrobenzene	9.457	77	64323	20.187	ng/u1	92
23) Isophorone	9.962	82	138199	20.423	ng/u1	94
25) 2-Nitrophenol	10.167	139	31005	20.334	ng/u1	96
26) 2,4-Dimethylphenol	10.191	107	64782	20.293	ng/u1	93
27) Bis(2-Chloroethoxy)met...	10.449	93	88586	20.493	ng/u1	96
29) 2,4-Dichlorophenol	10.690	162	56318	20.173	ng/u1	95
30) Naphthalene	11.108	128	212092	20.377	ng/u1	97
32) 4-Chloroaniline	11.231	127	83886	19.435	ng/u1	96
33) Hexachlorobutadiene	11.337	225	36828	19.942	ng/u1	96
34) Caprolactam	12.012	113	19859m	20.139	ng/u1	
35) 4-Chloro-3-methylphenol	12.312	107	59268	20.782	ng/u1	93
36) 2-Methylnaphthalene	12.694	142	138328	20.599	ng/u1	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.911	142	137520	20.111	ng/ul#	86
39) 1,2,4,5-Tetrachloroben...	13.041	216	72114	20.170	ng/ul	97
40) Hexachlorocyclopentadiene	12.994	237	40959	19.808	ng/ul	89
41) 2,4,6-Trichlorophenol	13.287	196	44422	20.217	ng/ul	94
42) 2,4,5-Trichlorophenol	13.358	196	49394	20.426	ng/ul	94
43) 1,1'-Biphenyl	13.693	154	194286	19.621	ng/ul	98
44) 2-Chloronaphthalene	13.746	162	145035	19.147	ng/ul	93
45) 2-Nitroaniline	13.963	65	44344	22.032	ng/ul	87
47) Dimethylphthalate	14.298	163	193619	20.597	ng/ul	100
48) 2,6-Dinitrotoluene	14.439	165	35088	20.270	ng/ul#	94
50) Acenaphthylene	14.586	152	238090	19.921	ng/ul#	94
51) 3-Nitroaniline	14.786	138	38821	21.157	ng/ul	97
52) Acenaphthene	14.915	153	158899	19.429	ng/ul	94
53) 2,4-Dinitrophenol	14.985	184	17347	18.936	ng/ul	88
55) 4-Nitrophenol	15.062	109	24692	21.668	ng/ul#	87
56) Dibenzofuran	15.250	168	221268	20.008	ng/ul	100
57) 2,4-Dinitrotoluene	15.220	165	52246	21.455	ng/ul#	86
58) 2,3,4,6-Tetrachlorophenol	15.461	232	44191	20.452	ng/ul#	91
59) Diethylphthalate	15.638	149	187392	20.628	ng/ul	97
61) Fluorene	15.896	166	182523	19.673	ng/ul	94
62) 4-Chlorophenyl-phenyle...	15.878	204	92944	19.955	ng/ul	98
63) 4-Nitroaniline	15.943	138	40527	22.812	ng/ul	96
66) 4,6-Dinitro-2-methylph...	15.972	198	34533	20.786	ng/ul#	96
67) N-Nitrosodiphenylamine	16.102	169	154963	20.849	ng/ul	98
68) 4-Bromophenyl-phenylether	16.777	248	55886	20.048	ng/ul	98
69) Hexachlorobenzene	16.871	284	61935	19.382	ng/ul	93
70) Atrazine	17.036	200	61017	20.801	ng/ul	96
71) Pentachlorophenol	17.230	266	34501	19.050	ng/ul	88
72) Phenanthrene	17.647	178	330516	20.903	ng/ul	99
74) Anthracene	17.735	178	333258	20.448	ng/ul	96
75) 1,2,3,4-Tetrachloroben...	13.652	216	73135	19.969	ng/ul	96
76) Pentachlorobenzene	15.144	250	72726	20.526	ng/ul	93
77) Carbazole	18.017	167	283258	20.195	ng/ul	97
78) Di-n-butylphthalate	18.517	149	328272	20.565	ng/ul	99
80) Fluoranthene	19.645	202	387081	20.168	ng/ul	97
82) Pyrene	20.009	202	411984	20.198	ng/ul	96
83) Butylbenzylphthalate	20.861	149	149907	21.764	ng/ul	92
84) 3,3'-Dichlorobenzidine	21.801	252	146373	21.702	ng/ul	93
85) Benzo(a)anthracene	21.883	228	421924	20.557	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.713	149	209879	21.128	ng/ul	98
87) Chrysene	21.954	228	396686	20.513	ng/ul	98
89) Di-n-octyl phthalate	23.005	149	357862	20.397	ng/ul	100
90) Benzo(b)fluoranthene	24.263	252	413775	20.548	ng/ul	99
91) Benzo(k)fluoranthene	24.333	252	425694	20.620	ng/ul	100
93) Benzo(a)pyrene	25.220	252	391820	20.291	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	29.386	276	441649m	20.337	ng/ul	
95) Dibenzo(a,h)anthracene	29.474	278	364813m	20.326	ng/ul	
96) Benzo(g,h,i)perylene	30.673	276	358203m	20.314	ng/ul	

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

