

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092523\
 Data File : BG059189.D
 Acq On : 25 Sep 2023 18:33
 Operator : MA/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020571

Quant Time: Sep 26 00:01:52 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091923.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Sep 25 22:33:28 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/26/2023
 Supervised By :mohammad ahmed 09/26/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.317	152	42585	20.000	ng/u1	0.01
20) Naphthalene-d8	11.167	136	196397	20.000	ng/u1	# 0.02
38) Acenaphthene-d10	14.945	164	130831	20.000	ng/u1	0.01
64) Phenanthrene-d10	17.694	188	313125	20.000	ng/u1	0.01
79) Chrysene-d12	22.025	240	253492	20.000	ng/u1	0.02
88) Perylene-d12	25.597	264	299633	20.000	ng/u1	0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.628	96	8823	8.110	ng/uL	0.00
4) Pyridine-d5	4.063	84	66166	20.730	ng/u1	0.00
7) Phenol-d5	7.448	99	90261	21.556	ng/u1	0.02
9) Bis-(2-Chloroethyl)eth...	7.641	67	52574	20.460	ng/u1	0.02
11) 2-Chlorophenol-d4	7.841	132	65293	21.130	ng/u1	0.02
15) 4-Methylphenol-d8	9.010	113	66885	20.056	ng/u1	0.01
21) Nitrobenzene-d5	9.522	128	32264	21.289	ng/u1	0.02
24) 2-Nitrophenol-d4	10.238	143	35994	23.511	ng/u1	0.02
28) 2,4-Dichlorophenol-d3	10.767	165	67589	23.255	ng/u1	0.02
31) 4-Chloroaniline-d4	11.308	131	94429	20.816	ng/u1	0.01
46) Dimethylphthalate-d6	14.339	166	209983	20.869	ng/u1	0.01
49) Acenaphthylene-d8	14.651	160	252321	20.595	ng/u1	0.02
54) 4-Nitrophenol-d4	15.139	143	24675m	13.441	ng/u1	0.02
60) Fluorene-d10	15.932	176	197348	21.427	ng/u1	0.01
65) 4,6-Dinitro-2-methylph...	16.043	200	24760	13.909	ng/u1	0.01
73) Anthracene-d10	17.794	188	293001	20.565	ng/u1	0.01
81) Pyrene-d10	20.068	212	336843	22.734	ng/u1	0.01
92) Benzo(a)pyrene-d12	25.344	264	301508	20.608	ng/u1	0.03
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.675	88	10921	8.877	ng/uL#	92
5) Pyridine	4.087	79	67353	20.709	ng/u1	95
6) Benzaldehyde	7.465	77	52578	24.216	ng/u1	95
8) Phenol	7.471	94	90556	21.041	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.735	93	70975	20.540	ng/u1	93
12) 2-Chlorophenol	7.871	128	67989	21.565	ng/u1	95
13) 2-Methylphenol	8.746	108	64766	20.277	ng/u1	83
14) 2,2'-oxybis(1-Chloropr...	8.822	45	149104	20.783	ng/u1	97
16) Acetophenone	9.163	105	102965	20.055	ng/u1	98
17) N-Nitroso-di-n-propyla...	9.122	70	50802	19.574	ng/u1#	95
18) 4-Methylphenol	9.075	108	72502	21.182	ng/u1	91
19) Hexachloroethane	9.404	117	26498	21.377	ng/u1	93
22) Nitrobenzene	9.563	77	75422	21.977	ng/u1	91
23) Isophorone	10.068	82	156976	21.331	ng/u1	99
25) 2-Nitrophenol	10.268	139	37769	22.076	ng/u1	97
26) 2,4-Dimethylphenol	10.297	107	72025	22.517	ng/u1	93
27) Bis(2-Chloroethoxy)met...	10.550	93	97783	21.358	ng/u1	95
29) 2,4-Dichlorophenol	10.797	162	67453	22.958	ng/u1#	95
30) Naphthalene	11.214	128	227497	21.647	ng/u1	98
32) 4-Chloroaniline	11.337	127	91299	20.445	ng/u1	95
33) Hexachlorobutadiene	11.443	225	41116	21.742	ng/u1#	84
34) Caprolactam	12.119	113	24618	22.880	ng/u1	83
35) 4-Chloro-3-methylphenol	12.406	107	73362	23.705	ng/u1	94
36) 2-Methylnaphthalene	12.794	142	149490	21.298	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	13.012	142	156700	22.101	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	13.135	216	79815	20.809	ng/ul	93
40) Hexachlorocyclopentadiene	13.088	237	39877	16.308	ng/ul	96
41) 2,4,6-Trichlorophenol	13.382	196	55936	22.333	ng/ul#	88
42) 2,4,5-Trichlorophenol	13.458	196	61281	22.619	ng/ul	97
43) 1,1'-Biphenyl	13.781	154	212945	20.391	ng/ul	95
44) 2-Chloronaphthalene	13.840	162	162343	20.360	ng/ul	98
45) 2-Nitroaniline	14.057	65	51313	20.302	ng/ul	98
47) Dimethylphthalate	14.386	163	212419	20.669	ng/ul	99
48) 2,6-Dinitrotoluene	14.533	165	44622	23.496	ng/ul	93
50) Acenaphthylene	14.680	152	272219	20.802	ng/ul	97
51) 3-Nitroaniline	14.874	138	38330	18.292	ng/ul	91
52) Acenaphthene	15.009	153	185352	20.887	ng/ul	97
53) 2,4-Dinitrophenol	15.074	184	5369m	4.692	ng/ul	
55) 4-Nitrophenol	15.150	109	15987	13.177	ng/ul	94
56) Dibenzofuran	15.344	168	244744	20.793	ng/ul	96
57) 2,4-Dinitrotoluene	15.309	165	61157	22.337	ng/ul#	97
58) 2,3,4,6-Tetrachlorophenol	15.556	232	56116	22.377	ng/ul#	97
59) Diethylphthalate	15.732	149	213167	21.050	ng/ul	98
61) Fluorene	15.990	166	211178	21.012	ng/ul	95
62) 4-Chlorophenyl-phenyle...	15.973	204	106573	21.365	ng/ul	92
63) 4-Nitroaniline	16.026	138	23376	12.035	ng/ul	94
66) 4,6-Dinitro-2-methylph...	16.055	198	26622	13.875	ng/ul	99
67) N-Nitrosodiphenylamine	16.190	169	170304	20.428	ng/ul	97
68) 4-Bromophenyl-phenylether	16.872	248	65273	21.426	ng/ul	99
69) Hexachlorobenzene	16.960	284	74798	21.435	ng/ul	96
70) Atrazine	17.124	200	72965	21.997	ng/ul	96
71) Pentachlorophenol	17.318	266	28852m	12.729	ng/ul	
72) Phenanthrene	17.741	178	367389	20.966	ng/ul	99
74) Anthracene	17.829	178	373049	20.835	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.746	216	87259	20.903	ng/uL	95
76) Pentachlorobenzene	15.238	250	82091	21.260	ng/uL	93
77) Carbazole	18.111	167	276058	18.545	ng/ul	98
78) Di-n-butylphthalate	18.611	149	388276	21.173	ng/ul	98
80) Fluoranthene	19.733	202	411132	22.267	ng/ul	98
82) Pyrene	20.097	202	431278	22.393	ng/ul	99
83) Butylbenzylphthalate	20.955	149	168558	24.230	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.919	252	109252	17.835	ng/ul	92
85) Benzo(a)anthracene	22.001	228	386181	20.983	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.825	149	253852	24.389	ng/ul#	97
87) Chrysene	22.072	228	374807	21.838	ng/ul	99
89) Di-n-octyl phthalate	23.159	149	431870	23.575	ng/ul	100
90) Benzo(b)fluoranthene	24.434	252	401876	22.011	ng/ul	99
91) Benzo(k)fluoranthene	24.510	252	383010	20.233	ng/ul	94
93) Benzo(a)pyrene	25.421	252	362984	20.686	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	29.727	276	373702m	18.726	ng/ul	
95) Dibenzo(a,h)anthracene	29.810	278	271471m	16.927	ng/ul	
96) Benzo(g,h,i)perylene	31.049	276	333521m	20.747	ng/ul	

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

