

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091223\
 Data File : BG059035.D
 Acq On : 13 Sep 2023 9:03
 Operator : MA/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020558

Quant Time: Sep 13 09:46:05 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.324	152	103216	20.000	ng/u1	0.01
20) Naphthalene-d8	11.168	136	467620	20.000	ng/u1	0.01
38) Acenaphthene-d10	14.951	164	320336	20.000	ng/u1	0.01
64) Phenanthrene-d10	17.701	188	684555	20.000	ng/u1	# 0.01
79) Chrysene-d12	22.031	240	548477	20.000	ng/u1	0.02
88) Perylene-d12	25.615	264	595115	20.000	ng/u1	0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.629	96	16348	6.732	ng/uL	0.00
4) Pyridine-d5	4.070	84	122365	15.916	ng/u1	0.01
7) Phenol-d5	7.437	99	205381	19.732	ng/u1	0.01
9) Bis-(2-Chloroethyl)eth...	7.642	67	109382	17.922	ng/u1	0.01
11) 2-Chlorophenol-d4	7.836	132	142258	21.310	ng/u1	0.01
15) 4-Methylphenol-d8	9.011	113	169321	21.056	ng/u1	0.02
21) Nitrobenzene-d5	9.517	128	75639	22.300	ng/u1	0.00
24) 2-Nitrophenol-d4	10.245	143	87072	23.395	ng/u1	0.02
28) 2,4-Dichlorophenol-d3	10.768	165	172677	21.830	ng/u1	0.02
31) 4-Chloroaniline-d4	11.309	131	224645	21.119	ng/u1	0.01
46) Dimethylphthalate-d6	14.346	166	511759	20.596	ng/u1	0.01
49) Acenaphthylene-d8	14.658	160	606430	21.917	ng/u1	0.02
54) 4-Nitrophenol-d4	15.128	143	85761	20.778	ng/u1	0.02
60) Fluorene-d10	15.938	176	464492	21.064	ng/u1	0.01
65) 4,6-Dinitro-2-methylph...	16.056	200	45620	13.576	ng/u1	0.02
73) Anthracene-d10	17.801	188	668773	22.007	ng/u1	0.01
81) Pyrene-d10	20.075	212	641942	22.095	ng/u1	0.01
92) Benzo(a)pyrene-d12	25.363	264	657769	22.547	ng/u1	0.04
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.670	88	18489	5.909	ng/uL	99
5) Pyridine	4.088	79	124435	15.158	ng/u1	98
6) Benzaldehyde	7.466	77	128053	20.118	ng/u1	93
8) Phenol	7.466	94	213260	19.267	ng/u1	97
10) Bis(2-Chloroethyl)ether	7.736	93	149231	18.447	ng/u1	93
12) 2-Chlorophenol	7.871	128	145126	21.033	ng/u1	98
13) 2-Methylphenol	8.741	108	164612	19.752	ng/u1	88
14) 2,2'-oxybis(1-Chloropr...	8.829	45	190980	19.660	ng/u1	98
16) Acetophenone	9.164	105	263284	19.748	ng/u1	97
17) N-Nitroso-di-n-propyla...	9.129	70	137218	18.361	ng/u1#	92
18) 4-Methylphenol	9.076	108	182827	20.087	ng/u1	99
19) Hexachloroethane	9.405	117	66111	22.861	ng/u1	89
22) Nitrobenzene	9.563	77	211591	20.837	ng/u1	95
23) Isophorone	10.075	82	414296	19.207	ng/u1#	94
25) 2-Nitrophenol	10.274	139	86507	22.795	ng/u1#	91
26) 2,4-Dimethylphenol	10.292	107	210426	22.373	ng/u1#	83
27) Bis(2-Chloroethoxy)met...	10.551	93	221425	19.153	ng/u1	97
29) 2,4-Dichlorophenol	10.797	162	166811	22.261	ng/u1	98
30) Naphthalene	11.220	128	527962	21.419	ng/u1	99
32) 4-Chloroaniline	11.338	127	214334	20.987	ng/u1	97
33) Hexachlorobutadiene	11.444	225	130934	22.332	ng/u1#	91
34) Caprolactam	12.108	113	53416	20.086	ng/u1	90
35) 4-Chloro-3-methylphenol	12.407	107	193674	21.036	ng/u1	95
36) 2-Methylnaphthalene	12.801	142	384152	20.886	ng/u1	96

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37) 1-Methylnaphthalene	13.018	142	380954	20.998	ng/ul#	93
39) 1,2,4,5-Tetrachloroben...	13.142	216	235447	22.517	ng/ul	95
40) Hexachlorocyclopentadiene	13.095	237	80181	10.421	ng/ul	96
41) 2,4,6-Trichlorophenol	13.388	196	146199	22.023	ng/ul	93
42) 2,4,5-Trichlorophenol	13.453	196	156574	21.787	ng/ul	93
43) 1,1'-Biphenyl	13.788	154	524732	21.914	ng/ul	97
44) 2-Chloronaphthalene	13.847	162	402869	22.028	ng/ul	99
45) 2-Nitroaniline	14.058	65	123903	22.090	ng/ul	85
47) Dimethylphthalate	14.393	163	485227	20.653	ng/ul	99
48) 2,6-Dinitrotoluene	14.540	165	100289	22.440	ng/ul	99
50) Acenaphthylene	14.687	152	659913	21.875	ng/ul	99
51) 3-Nitroaniline	14.875	138	101414	23.646	ng/ul	88
52) Acenaphthene	15.016	153	437975	21.635	ng/ul	95
53) 2,4-Dinitrophenol	15.086	184	25352	8.801	ng/ul#	57
55) 4-Nitrophenol	15.145	109	98520	20.231	ng/ul	88
56) Dibenzofuran	15.351	168	624264	21.290	ng/ul	98
57) 2,4-Dinitrotoluene	15.316	165	138406	22.444	ng/ul#	84
58) 2,3,4,6-Tetrachlorophenol	15.556	232	140210	20.425	ng/ul#	92
59) Diethylphthalate	15.733	149	476341	20.565	ng/ul#	94
61) Fluorene	15.997	166	505707	20.984	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.974	204	267250	20.958	ng/ul	98
63) 4-Nitroaniline	16.032	138	99509	24.481	ng/ul	88
66) 4,6-Dinitro-2-methylph...	16.074	198	46133	12.579	ng/ul#	97
67) N-Nitrosodiphenylamine	16.197	169	415108	23.005	ng/ul	100
68) 4-Bromophenyl-phenylether	16.873	248	174303	23.210	ng/ul	93
69) Hexachlorobenzene	16.972	284	195935	22.727	ng/ul	97
70) Atrazine	17.125	200	165739	23.471	ng/ul	98
71) Pentachlorophenol	17.325	266	105413	19.836	ng/ul	99
72) Phenanthrene	17.748	178	745569	21.460	ng/ul	99
74) Anthracene	17.836	178	751886	21.293	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.753	216	250654	25.375	ng/uL	97
76) Pentachlorobenzene	15.245	250	237530	24.882	ng/uL	97
77) Carbazole	18.112	167	626710	21.194	ng/ul	98
78) Di-n-butylphthalate	18.618	149	710245	21.667	ng/ul	99
80) Fluoranthene	19.740	202	760752	22.548	ng/ul	97
82) Pyrene	20.104	202	763778	21.775	ng/ul	99
83) Butylbenzylphthalate	20.962	149	274812	24.794	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.920	252	250108	20.553	ng/ul#	90
85) Benzo(a)anthracene	22.008	228	800969	21.776	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.837	149	401947	24.213	ng/ul#	98
87) Chrysene	22.084	228	738570	21.599	ng/ul	99
89) Di-n-octyl phthalate	23.171	149	727662	26.580	ng/ul	100
90) Benzo(b)fluoranthene	24.452	252	796897	22.479	ng/ul	99
91) Benzo(k)fluoranthene	24.528	252	821574	22.678	ng/ul#	96
93) Benzo(a)pyrene	25.445	252	724322	21.899	ng/ul#	92
94) Indeno(1,2,3-cd)pyrene	29.781	276	734114m	17.566	ng/ul	
95) Dibenzo(a,h)anthracene	29.857	278	600424m	17.338	ng/ul	
96) Benzo(g,h,i)perylene	31.091	276	519421m	15.702	ng/ul	

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

