

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100423\
 Data File : BG059274.D
 Acq On : 4 Oct 2023 10:00
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020583

Quant Time: Oct 04 22:54:10 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG092723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Sep 28 04:33:25 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/05/2023
 Supervised By :mohammad ahmed 10/06/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.230	152	56384	20.000	ng/u1	0.00
20) Naphthalene-d8	11.074	136	271703	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.864	164	169998	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.613	188	378635	20.000	ng/u1	0.00
79) Chrysene-d12	21.914	240	360932	20.000	ng/u1	0.00
88) Perylene-d12	25.398	264	426376	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.524	96	11819	7.911	ng/uL	0.00
4) Pyridine-d5	3.959	84	85157	19.536	ng/u1	0.00
7) Phenol-d5	7.355	99	115180	20.408	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.549	67	69576	19.298	ng/u1	0.00
11) 2-Chlorophenol-d4	7.748	132	78115	20.590	ng/u1	0.00
15) 4-Methylphenol-d8	8.923	113	85874	19.683	ng/u1	0.00
21) Nitrobenzene-d5	9.429	128	41275	21.528	ng/u1	0.00
24) 2-Nitrophenol-d4	10.146	143	44074	23.416	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.674	165	88070	22.777	ng/u1	0.00
31) 4-Chloroaniline-d4	11.215	131	126020	20.145	ng/u1	0.00
46) Dimethylphthalate-d6	14.258	166	251609	20.471	ng/u1	0.00
49) Acenaphthylene-d8	14.564	160	308537	20.000	ng/u1	0.00
54) 4-Nitrophenol-d4	15.057	143	42828	19.954	ng/u1	0.00
60) Fluorene-d10	15.851	176	236633	20.228	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.962	200	39168	20.125	ng/u1	0.00
73) Anthracene-d10	17.713	188	348318	20.189	ng/u1	0.00
81) Pyrene-d10	19.987	212	399210	19.751	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.146	264	400173	19.531	ng/u1	-0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.565	88	11496	6.550	ng/uL	87
5) Pyridine	3.982	79	85415	19.296	ng/u1	97
6) Benzaldehyde	7.378	77	55019	22.198	ng/u1	92
8) Phenol	7.384	94	114944	20.473	ng/u1	95
10) Bis(2-Chloroethyl)ether	7.649	93	91446	19.859	ng/u1	92
12) 2-Chlorophenol	7.778	128	81563	20.390	ng/u1	91
13) 2-Methylphenol	8.659	108	81864	19.299	ng/u1	100
14) 2,2'-oxybis(1-Chloropr...	8.735	45	198867	19.536	ng/u1	98
16) Acetophenone	9.070	105	130153	19.263	ng/u1	95
17) N-Nitroso-di-n-propyla...	9.035	70	66846	19.504	ng/u1#	97
18) 4-Methylphenol	8.988	108	88002	19.580	ng/u1	96
19) Hexachloroethane	9.311	117	32650	20.718	ng/u1	94
22) Nitrobenzene	9.470	77	102451	21.647	ng/u1	97
23) Isophorone	9.975	82	205273	20.169	ng/u1	98
25) 2-Nitrophenol	10.181	139	46013	22.187	ng/u1	91
26) 2,4-Dimethylphenol	10.204	107	94194	21.242	ng/u1	92
27) Bis(2-Chloroethoxy)met...	10.463	93	127772	19.897	ng/u1#	97
29) 2,4-Dichlorophenol	10.704	162	83697	21.776	ng/u1	94
30) Naphthalene	11.121	128	291605	20.017	ng/u1	95
32) 4-Chloroaniline	11.238	127	117481	19.639	ng/u1	98
33) Hexachlorobutadiene	11.350	225	51847	20.156	ng/u1	95
34) Caprolactam	12.020	113	28920m	21.746	ng/u1	
35) 4-Chloro-3-methylphenol	12.320	107	89121	21.732	ng/u1	99
36) 2-Methylnaphthalene	12.707	142	189082	19.813	ng/u1	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.925	142	192209	19.844	ng/ul#	92
39) 1,2,4,5-Tetrachloroben...	13.054	216	96143	18.891	ng/ul	91
40) Hexachlorocyclopentadiene	13.007	237	53885	17.164	ng/ul	100
41) 2,4,6-Trichlorophenol	13.301	196	65555	21.038	ng/ul#	85
42) 2,4,5-Trichlorophenol	13.371	196	72890	22.293	ng/ul	95
43) 1,1'-Biphenyl	13.700	154	270962	19.736	ng/ul	99
44) 2-Chloronaphthalene	13.753	162	206615	19.988	ng/ul	99
45) 2-Nitroaniline	13.970	65	67925	23.296	ng/ul	91
47) Dimethylphthalate	14.305	163	255115	20.265	ng/ul#	99
48) 2,6-Dinitrotoluene	14.452	165	49102	22.932	ng/ul	94
50) Acenaphthylene	14.599	152	337929	20.521	ng/ul	98
51) 3-Nitroaniline	14.793	138	49983	21.624	ng/ul#	92
52) Acenaphthene	14.928	153	224113	19.828	ng/ul	95
53) 2,4-Dinitrophenol	14.987	184	21636	18.178	ng/ul	85
55) 4-Nitrophenol	15.069	109	29556	19.522	ng/ul	84
56) Dibenzofuran	15.263	168	301036	20.092	ng/ul	100
57) 2,4-Dinitrotoluene	15.228	165	71958	22.697	ng/ul	96
58) 2,3,4,6-Tetrachlorophenol	15.475	232	64186	21.685	ng/ul#	92
59) Diethylphthalate	15.651	149	244093	20.056	ng/ul	97
61) Fluorene	15.909	166	252689	20.086	ng/ul	96
62) 4-Chlorophenyl-phenyle...	15.892	204	127269	20.294	ng/ul	96
63) 4-Nitroaniline	15.951	138	47717	22.432	ng/ul	96
66) 4,6-Dinitro-2-methylph...	15.980	198	41825	20.381	ng/ul#	90
67) N-Nitrosodiphenylamine	16.109	169	202121	20.026	ng/ul	97
68) 4-Bromophenyl-phenylether	16.791	248	76341	20.812	ng/ul	98
69) Hexachlorobenzene	16.885	284	86893	20.968	ng/ul	95
70) Atrazine	17.043	200	78094	20.349	ng/ul	97
71) Pentachlorophenol	17.237	266	47517	19.923	ng/ul	92
72) Phenanthrene	17.654	178	424606	20.434	ng/ul	99
74) Anthracene	17.748	178	444418	20.713	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.659	216	100447	20.131	ng/uL	98
76) Pentachlorobenzene	15.157	250	103147	20.936	ng/uL	95
77) Carbazole	18.025	167	367228	21.000	ng/ul	98
78) Di-n-butylphthalate	18.530	149	434714	20.971	ng/ul	98
80) Fluoranthene	19.652	202	489000	19.639	ng/ul	99
82) Pyrene	20.016	202	511607	19.398	ng/ul	99
83) Butylbenzylphthalate	20.868	149	195283	20.997	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.808	252	177146	21.193	ng/ul	97
85) Benzo(a)anthracene	21.891	228	505880	19.910	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.726	149	292870	20.737	ng/ul	99
87) Chrysene	21.967	228	481743	20.075	ng/ul	99
89) Di-n-octyl phthalate	23.019	149	486009	19.599	ng/ul	100
90) Benzo(b)fluoranthene	24.264	252	518778	19.865	ng/ul	96
91) Benzo(k)fluoranthene	24.341	252	506298	19.134	ng/ul	98
93) Benzo(a)pyrene	25.228	252	481819	19.449	ng/ul	96
94) Indeno(1,2,3-cd)pyrene	29.411	276	561602m	20.026	ng/ul	
95) Dibenzo(a,h)anthracene	29.482	278	469913m	20.605	ng/ul	
96) Benzo(g,h,i)perylene	30.680	276	441665	19.370	ng/ul	95

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

