

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092023\
 Data File : BG059161.D
 Acq On : 22 Sep 2023 13:10
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020568

Quant Time: Sep 23 00:09:56 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091923.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Sep 20 04:25:24 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/23/2023
 Supervised By :mohammad ahmed 09/23/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.294	152	41524	20.000	ng/u1	0.00
20) Naphthalene-d8	11.137	136	199074	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.921	164	127199	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.671	188	288076	20.000	ng/u1	0.00
79) Chrysene-d12	21.995	240	247090	20.000	ng/u1	0.00
88) Perylene-d12	25.538	264	286086	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.605	96	7756	7.311	ng/uL	0.00
4) Pyridine-d5	4.040	84	59888	19.243	ng/u1	0.00
7) Phenol-d5	7.412	99	79866	19.561	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.612	67	50959	20.338	ng/u1	0.00
11) 2-Chlorophenol-d4	7.812	132	60169	19.969	ng/u1	0.00
15) 4-Methylphenol-d8	8.981	113	62586	19.247	ng/u1	0.00
21) Nitrobenzene-d5	9.492	128	32483	21.146	ng/u1	0.00
24) 2-Nitrophenol-d4	10.209	143	34737	22.385	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.738	165	65761	22.321	ng/u1	0.00
31) 4-Chloroaniline-d4	11.284	131	94542	20.561	ng/u1	0.00
46) Dimethylphthalate-d6	14.316	166	202234	20.673	ng/u1	0.00
49) Acenaphthylene-d8	14.627	160	242428	20.353	ng/u1	0.00
54) 4-Nitrophenol-d4	15.097	143	37082	20.777	ng/u1	0.00
60) Fluorene-d10	15.908	176	190218	21.243	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	16.020	200	33568	20.496	ng/u1	0.00
73) Anthracene-d10	17.771	188	275264	21.000	ng/u1	0.00
81) Pyrene-d10	20.045	212	292733	20.269	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.291	264	299982	21.474	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.646	88	8951	7.462	ng/uL#	78
5) Pyridine	4.063	79	63365	19.981	ng/u1	98
6) Benzaldehyde	7.442	77	48771	23.036	ng/u1	93
8) Phenol	7.442	94	84441	20.121	ng/u1	97
10) Bis(2-Chloroethyl)ether	7.712	93	68762	20.408	ng/u1	98
12) 2-Chlorophenol	7.841	128	62855	20.446	ng/u1	95
13) 2-Methylphenol	8.717	108	61789	19.839	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.799	45	145074	20.738	ng/u1	98
16) Acetophenone	9.140	105	95826	19.141	ng/u1	96
17) N-Nitroso-di-n-propyla...	9.104	70	50694	20.031	ng/u1	94
18) 4-Methylphenol	9.052	108	67111	20.107	ng/u1	90
19) Hexachloroethane	9.381	117	24478	20.252	ng/u1	96
22) Nitrobenzene	9.539	77	72325	20.791	ng/u1	92
23) Isophorone	10.045	82	152140	20.395	ng/u1#	97
25) 2-Nitrophenol	10.244	139	37833	21.816	ng/u1	92
26) 2,4-Dimethylphenol	10.268	107	68523	21.134	ng/u1	95
27) Bis(2-Chloroethoxy)met...	10.526	93	97875	21.090	ng/u1	98
29) 2,4-Dichlorophenol	10.761	162	66837	22.443	ng/u1	98
30) Naphthalene	11.190	128	225235	21.144	ng/u1	99
32) 4-Chloroaniline	11.302	127	92324	20.397	ng/u1	97
33) Hexachlorobutadiene	11.419	225	41511	21.656	ng/u1#	86
34) Caprolactam	12.083	113	22146m	20.306	ng/u1	
35) 4-Chloro-3-methylphenol	12.377	107	65264	20.805	ng/u1	99
36) 2-Methylnaphthalene	12.771	142	145629	20.469	ng/u1	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.988	142	147057	20.462	ng/ul	93
39) 1,2,4,5-Tetrachloroben...	13.117	216	79421	21.298	ng/ul	92
40) Hexachlorocyclopentadiene	13.065	237	51415	21.627	ng/ul	99
41) 2,4,6-Trichlorophenol	13.352	196	51004	20.945	ng/ul	92
42) 2,4,5-Trichlorophenol	13.423	196	54360	20.638	ng/ul	99
43) 1,1'-Biphenyl	13.764	154	214674	21.144	ng/ul	92
44) 2-Chloronaphthalene	13.817	162	163268	21.061	ng/ul	92
45) 2-Nitroaniline	14.028	65	53668	21.840	ng/ul	87
47) Dimethylphthalate	14.369	163	203634	20.380	ng/ul	98
48) 2,6-Dinitrotoluene	14.510	165	40034	21.682	ng/ul#	87
50) Acenaphthylene	14.657	152	261720	20.571	ng/ul	99
51) 3-Nitroaniline	14.845	138	44360	21.774	ng/ul#	95
52) Acenaphthene	14.992	153	175357	20.325	ng/ul	97
53) 2,4-Dinitrophenol	15.045	184	27291	24.531	ng/ul	88
55) 4-Nitrophenol	15.115	109	24449	20.727	ng/ul	93
56) Dibenzofuran	15.321	168	238368	20.829	ng/ul	97
57) 2,4-Dinitrotoluene	15.285	165	57273	21.516	ng/ul	99
58) 2,3,4,6-Tetrachlorophenol	15.526	232	51972	21.316	ng/ul#	90
59) Diethylphthalate	15.708	149	199461	20.259	ng/ul	99
61) Fluorene	15.967	166	203127	20.788	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.949	204	104217	21.489	ng/ul	97
63) 4-Nitroaniline	16.008	138	38986	20.644	ng/ul#	83
66) 4,6-Dinitro-2-methylph...	16.032	198	35970	20.377	ng/ul	95
67) N-Nitrosodiphenylamine	16.167	169	164015	21.385	ng/ul	95
68) 4-Bromophenyl-phenylether	16.848	248	61591	21.975	ng/ul	97
69) Hexachlorobenzene	16.936	284	71937	22.408	ng/ul#	91
70) Atrazine	17.101	200	67918	22.256	ng/ul	97
71) Pentachlorophenol	17.295	266	45706	21.918	ng/ul	92
72) Phenanthrene	17.718	178	336530	20.875	ng/ul	100
74) Anthracene	17.806	178	346917	21.061	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.723	216	87556	22.797	ng/ul	94
76) Pentachlorobenzene	15.215	250	77578	21.838	ng/ul	96
77) Carbazole	18.082	167	282112	20.600	ng/ul	99
78) Di-n-butylphthalate	18.587	149	342335	20.291	ng/ul	99
80) Fluoranthene	19.710	202	368835	20.494	ng/ul	99
82) Pyrene	20.074	202	382864	20.395	ng/ul	97
83) Butylbenzylphthalate	20.932	149	144380	21.292	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.884	252	129904	21.756	ng/ul	99
85) Benzo(a)anthracene	21.972	228	370294	20.642	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.801	149	218968	21.583	ng/ul	99
87) Chrysene	22.042	228	341928	20.438	ng/ul	98
89) Di-n-octyl phthalate	23.123	149	360746	20.625	ng/ul	100
90) Benzo(b)fluoranthene	24.387	252	380570	21.831	ng/ul	99
91) Benzo(k)fluoranthene	24.463	252	364656	20.175	ng/ul	95
93) Benzo(a)pyrene	25.368	252	349332	20.851	ng/ul#	97
94) Indeno(1,2,3-cd)pyrene	29.627	276	386452	20.282	ng/ul	97
95) Dibenzo(a,h)anthracene	29.727	278	297120	19.404	ng/ul	98
96) Benzo(g,h,i)perylene	30.944	276	312831m	20.381	ng/ul	

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

