

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091323\
 Data File : BG059058.D
 Acq On : 14 Sep 2023 3:38
 Operator : MA/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020561

Quant Time: Sep 14 04:51:41 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 09/14/2023
 Supervised By :mohammad ahmed 09/14/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.299	152	89081	20.000	ng/u1	-0.01
20) Naphthalene-d8	11.143	136	425440	20.000	ng/u1	-0.01
38) Acenaphthene-d10	14.927	164	323812	20.000	ng/u1	-0.01
64) Phenanthrene-d10	17.682	188	888982	20.000	ng/u1	# 0.00
79) Chrysene-d12	22.001	240	838170	20.000	ng/u1	-0.01
88) Perylene-d12	25.561	264	954431	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.611	96	17269	8.240	ng/uL	-0.02
4) Pyridine-d5	4.040	84	132936	20.035	ng/u1	-0.02
7) Phenol-d5	7.412	99	179874	20.024	ng/u1	-0.01
9) Bis-(2-Chloroethyl)eth...	7.618	67	100846	19.145	ng/u1	-0.01
11) 2-Chlorophenol-d4	7.812	132	122167	21.205	ng/u1	-0.01
15) 4-Methylphenol-d8	8.981	113	152162	21.925	ng/u1	-0.01
21) Nitrobenzene-d5	9.498	128	65874	21.346	ng/u1	-0.01
24) 2-Nitrophenol-d4	10.215	143	81494	24.067	ng/u1	-0.01
28) 2,4-Dichlorophenol-d3	10.738	165	156712	21.776	ng/u1	-0.01
31) 4-Chloroaniline-d4	11.284	131	225332	23.284	ng/u1	-0.01
46) Dimethylphthalate-d6	14.322	166	579182	23.059	ng/u1	-0.01
49) Acenaphthylene-d8	14.633	160	629218	22.496	ng/u1	0.00
54) 4-Nitrophenol-d4	15.097	143	102795	24.638	ng/u1	-0.01
60) Fluorene-d10	15.920	176	516626	23.177	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	16.025	200	104854	24.029	ng/u1	0.00
73) Anthracene-d10	17.782	188	876230	22.203	ng/u1	0.00
81) Pyrene-d10	20.050	212	1007652	22.695	ng/u1	-0.01
92) Benzo(a)pyrene-d12	25.309	264	985339	21.060	ng/u1	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.646	88	18642	6.903	ng/uL#	83
5) Pyridine	4.063	79	144143	20.345	ng/u1#	94
6) Benzaldehyde	7.447	77	126713	23.066	ng/u1#	85
8) Phenol	7.441	94	203697	21.324	ng/u1	97
10) Bis(2-Chloroethyl)ether	7.712	93	137796	19.736	ng/u1	96
12) 2-Chlorophenol	7.847	128	123192	20.687	ng/u1	90
13) 2-Methylphenol	8.722	108	151556	21.070	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.816	45	170927	20.388	ng/u1	96
16) Acetophenone	9.145	105	250508	21.772	ng/u1	92
17) N-Nitroso-di-n-propyla...	9.104	70	141234	21.897	ng/u1#	98
18) 4-Methylphenol	9.045	108	168874	21.498	ng/u1	98
19) Hexachloroethane	9.386	117	55084	22.070	ng/u1	84
22) Nitrobenzene	9.539	77	196365	21.255	ng/u1	95
23) Isophorone	10.044	82	426380	21.727	ng/u1	99
25) 2-Nitrophenol	10.244	139	84791	24.558	ng/u1#	92
26) 2,4-Dimethylphenol	10.273	107	192383	22.483	ng/u1	91
27) Bis(2-Chloroethoxy)met...	10.532	93	219194	20.840	ng/u1#	97
29) 2,4-Dichlorophenol	10.767	162	149136	21.876	ng/u1	96
30) Naphthalene	11.196	128	471725	21.035	ng/u1	98
32) 4-Chloroaniline	11.313	127	208329	22.422	ng/u1	99
33) Hexachlorobutadiene	11.425	225	120209	22.535	ng/u1	95
34) Caprolactam	12.089	113	64171	26.522	ng/u1	83
35) 4-Chloro-3-methylphenol	12.377	107	198654	23.717	ng/u1	92
36) 2-Methylnaphthalene	12.776	142	349857	20.907	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.994	142	369805	22.404	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	13.117	216	228176	21.587	ng/ul	89
40) Hexachlorocyclopentadiene	13.076	237	154098	19.813	ng/ul#	98
41) 2,4,6-Trichlorophenol	13.358	196	154878	23.080	ng/ul	97
42) 2,4,5-Trichlorophenol	13.428	196	165772	22.819	ng/ul	95
43) 1,1'-Biphenyl	13.769	154	514084	21.239	ng/ul	100
44) 2-Chloronaphthalene	13.822	162	391066	21.154	ng/ul	98
45) 2-Nitroaniline	14.034	65	141422	24.943	ng/ul	95
47) Dimethylphthalate	14.374	163	542980	22.863	ng/ul	98
48) 2,6-Dinitrotoluene	14.515	165	115970	25.671	ng/ul	99
50) Acenaphthylene	14.662	152	676306	22.178	ng/ul	98
51) 3-Nitroaniline	14.850	138	107753	24.854	ng/ul	80
52) Acenaphthene	14.991	153	451059	22.042	ng/ul	97
53) 2,4-Dinitrophenol	15.044	184	64080	22.006	ng/ul	92
55) 4-Nitrophenol	15.115	109	123623	25.113	ng/ul	86
56) Dibenzofuran	15.326	168	676742	22.832	ng/ul	99
57) 2,4-Dinitrotoluene	15.291	165	171555	27.521	ng/ul#	83
58) 2,3,4,6-Tetrachlorophenol	15.532	232	170031	24.503	ng/ul#	88
59) Diethylphthalate	15.720	149	567471	24.236	ng/ul	95
61) Fluorene	15.973	166	568773	23.348	ng/ul	95
62) 4-Chlorophenyl-phenyle...	15.955	204	302074	23.434	ng/ul	97
63) 4-Nitroaniline	16.014	138	102832	25.027	ng/ul	91
66) 4,6-Dinitro-2-methylph...	16.037	198	118234	24.825	ng/ul#	86
67) N-Nitrosodiphenylamine	16.178	169	490673	20.940	ng/ul	99
68) 4-Bromophenyl-phenylether	16.854	248	215493	22.097	ng/ul	93
69) Hexachlorobenzene	16.948	284	238258	21.281	ng/ul	96
70) Atrazine	17.112	200	216707	23.632	ng/ul	96
71) Pentachlorophenol	17.300	266	156774	22.717	ng/ul	97
72) Phenanthrene	17.723	178	950752	21.073	ng/ul	98
74) Anthracene	17.817	178	1014305	22.119	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.728	216	239662	18.683	ng/uL	96
76) Pentachlorobenzene	15.220	250	256788	20.714	ng/uL	97
77) Carbazole	18.088	167	848772	22.103	ng/ul	99
78) Di-n-butylphthalate	18.599	149	981873	23.065	ng/ul#	97
80) Fluoranthene	19.715	202	1169186	22.676	ng/ul	98
82) Pyrene	20.080	202	1194736	22.289	ng/ul	100
83) Butylbenzylphthalate	20.943	149	414103	24.448	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.889	252	437195	23.510	ng/ul#	88
85) Benzo(a)anthracene	21.977	228	1212512	21.571	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.819	149	599628	23.637	ng/ul	98
87) Chrysene	22.054	228	1115478	21.347	ng/ul	100
89) Di-n-octyl phthalate	23.147	149	1013150	23.076	ng/ul	100
90) Benzo(b)fluoranthene	24.404	252	1198302	21.076	ng/ul	97
91) Benzo(k)fluoranthene	24.480	252	1149133	19.778	ng/ul	95
93) Benzo(a)pyrene	25.385	252	1119504	21.104	ng/ul	96
94) Indeno(1,2,3-cd)pyrene	29.668	276	1359533m	20.284	ng/ul	
95) Dibenzo(a,h)anthracene	29.751	278	1057488	19.040	ng/ul	98
96) Benzo(g,h,i)perylene	30.979	276	1105307m	20.834	ng/ul	

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

