

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092723\
 Data File : BG059221.D
 Acq On : 27 Sep 2023 21:37
 Operator : MA/JU
 Sample : SSTD08035
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD080439

Quant Time: Sep 28 04:19:43 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG092723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Sep 28 03:42:12 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/28/2023
 Supervised By :mohammad ahmed 09/29/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.238	152	51138	20.000	ng/u1	0.00
20) Naphthalene-d8	11.075	136	246809	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.871	164	153861	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.621	188	331145	20.000	ng/u1	0.00
79) Chrysene-d12	21.927	240	290448	20.000	ng/u1	0.00
88) Perylene-d12	25.412	264	337364	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.525	96	38666	29.324	ng/uL	0.00
4) Pyridine-d5	3.966	84	313626	80.388	ng/u1	0.00
7) Phenol-d5	7.362	99	426706	84.789	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.556	67	253202	81.444	ng/u1	0.00
11) 2-Chlorophenol-d4	7.756	132	290979	79.853	ng/u1	0.00
15) 4-Methylphenol-d8	8.937	113	318032	79.992	ng/u1	0.00
21) Nitrobenzene-d5	9.436	128	155546	84.287	ng/u1	0.00
24) 2-Nitrophenol-d4	10.153	143	157361	84.098	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.682	165	308627	85.630	ng/u1	0.00
31) 4-Chloroaniline-d4	11.228	131	467270	83.068	ng/u1	0.00
46) Dimethylphthalate-d6	14.272	166	867954	74.484	ng/u1	0.00
49) Acenaphthylene-d8	14.577	160	1099295	76.756	ng/u1	0.00
54) 4-Nitrophenol-d4	15.077	143	160708	76.195	ng/u1	0.02
60) Fluorene-d10	15.858	176	816812	76.174	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.981	200	152639	82.525	ng/u1	0.02
73) Anthracene-d10	17.726	188	1186289	79.524	ng/u1	0.00
81) Pyrene-d10	19.994	212	1300367	77.818	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.182	264	1311994	80.430	ng/u1	0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.567	88	43698	28.918	ng/uL#	82
5) Pyridine	3.984	79	316946	81.314	ng/u1	96
6) Benzaldehyde	7.380	77	139868	54.651	ng/u1	89
8) Phenol	7.391	94	424415	82.673	ng/u1	95
10) Bis(2-Chloroethyl)ether	7.656	93	328596	79.752	ng/u1	92
12) 2-Chlorophenol	7.785	128	306369	82.071	ng/u1	98
13) 2-Methylphenol	8.666	108	305735	80.108	ng/u1	96
14) 2,2'-oxybis(1-Chloropr...	8.743	45	720529	82.558	ng/u1	97
16) Acetophenone	9.084	105	488920	79.477	ng/u1	98
17) N-Nitroso-di-n-propyla...	9.060	70	245615	78.619	ng/u1	95
18) 4-Methylphenol	9.007	108	328173	80.214	ng/u1	88
19) Hexachloroethane	9.319	117	116982	79.572	ng/u1	91
22) Nitrobenzene	9.483	77	360529	83.818	ng/u1	92
23) Isophorone	9.994	82	738873	80.592	ng/u1	99
25) 2-Nitrophenol	10.188	139	172070	82.538	ng/u1	92
26) 2,4-Dimethylphenol	10.218	107	336895	83.234	ng/u1	98
27) Bis(2-Chloroethoxy)met...	10.470	93	464846	80.441	ng/u1	96
29) 2,4-Dichlorophenol	10.711	162	296600	81.359	ng/u1	98
30) Naphthalene	11.134	128	1042451	79.406	ng/u1	98
32) 4-Chloroaniline	11.252	127	440471	79.433	ng/u1	94
33) Hexachlorobutadiene	11.357	225	187625	80.164	ng/u1	98
34) Caprolactam	12.057	113	97150m	75.322	ng/u1	
35) 4-Chloro-3-methylphenol	12.333	107	303124	78.404	ng/u1	91
36) 2-Methylnaphthalene	12.715	142	686485	78.285	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.932	142	708462	79.710	ng/ul#	97
39) 1,2,4,5-Tetrachloroben...	13.061	216	355350	79.204	ng/ul	99
40) Hexachlorocyclopentadiene	13.014	237	239804	83.298	ng/ul	98
41) 2,4,6-Trichlorophenol	13.302	196	233697	80.051	ng/ul	89
42) 2,4,5-Trichlorophenol	13.379	196	243066	77.038	ng/ul	98
43) 1,1'-Biphenyl	13.708	154	959796	77.920	ng/ul	98
44) 2-Chloronaphthalene	13.760	162	748270	79.963	ng/ul	97
45) 2-Nitroaniline	13.984	65	238505	82.267	ng/ul	99
47) Dimethylphthalate	14.319	163	890854	74.728	ng/ul	98
48) 2,6-Dinitrotoluene	14.466	165	173485	81.313	ng/ul	97
50) Acenaphthylene	14.607	152	1178963	76.838	ng/ul	99
51) 3-Nitroaniline	14.806	138	161266	68.185	ng/ul#	95
52) Acenaphthene	14.936	153	797464	76.673	ng/ul	92
53) 2,4-Dinitrophenol	14.994	184	100675	78.319	ng/ul#	81
55) 4-Nitrophenol	15.088	109	113668	80.356	ng/ul	100
56) Dibenzofuran	15.270	168	1039034	75.214	ng/ul	95
57) 2,4-Dinitrotoluene	15.241	165	253044	81.282	ng/ul	98
58) 2,3,4,6-Tetrachlorophenol	15.482	232	220475	76.440	ng/ul#	98
59) Diethylphthalate	15.664	149	859339	73.718	ng/ul	98
61) Fluorene	15.917	166	874293	75.007	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.899	204	431344	74.059	ng/ul	96
63) 4-Nitroaniline	15.970	138	146165	65.234	ng/ul	91
66) 4,6-Dinitro-2-methylph...	15.993	198	161894	82.323	ng/ul#	92
67) N-Nitrosodiphenylamine	16.122	169	707739	80.513	ng/ul	99
68) 4-Bromophenyl-phenylether	16.798	248	257226	80.808	ng/ul	96
69) Hexachlorobenzene	16.886	284	283120	77.600	ng/ul	99
70) Atrazine	17.057	200	270303	79.772	ng/ul	98
71) Pentachlorophenol	17.245	266	182120	78.566	ng/ul	93
72) Phenanthrene	17.668	178	1414246	77.155	ng/ul	99
74) Anthracene	17.762	178	1483151	79.065	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.666	216	360075	82.218	ng/ul	93
76) Pentachlorobenzene	15.165	250	348292	84.867	ng/ul	99
77) Carbazole	18.038	167	1228519	79.295	ng/ul	99
78) Di-n-butylphthalate	18.537	149	1470549	77.521	ng/ul	98
80) Fluoranthene	19.659	202	1602765	76.977	ng/ul	98
82) Pyrene	20.030	202	1654380	75.858	ng/ul	99
83) Butylbenzylphthalate	20.882	149	648833	82.768	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.822	252	527100	76.144	ng/ul	99
85) Benzo(a)anthracene	21.904	228	1625950	77.766	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.739	149	972415	82.360	ng/ul	95
87) Chrysene	21.980	228	1504624	77.486	ng/ul	99
89) Di-n-octyl phthalate	23.038	149	1651787	81.775	ng/ul	100
90) Benzo(b)fluoranthene	24.289	252	1636140	80.224	ng/ul	98
91) Benzo(k)fluoranthene	24.366	252	1677583	79.617	ng/ul	99
93) Benzo(a)pyrene	25.259	252	1567470	80.282	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	29.460	276	1813846m	81.234	ng/ul	
95) Dibenzo(a,h)anthracene	29.542	278	1475994	82.197	ng/ul	97
96) Benzo(g,h,i)perylene	30.752	276	1438255	80.123	ng/ul	99

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

