

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071323\
 Data File : BG058281.D
 Acq On : 16 Jul 2023 5:59
 Operator : CG/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 94 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020520

Quant Time: Jul 16 06:41:54 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070123.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jul 13 14:01:20 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/17/2023
 Supervised By :mohammad ahmed 07/17/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.900	152	50678	20.000	ng/u1	0.00
20) Naphthalene-d8	10.702	136	247866	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.539	164	176154	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.283	188	407878	20.000	ng/u1	0.00
79) Chrysene-d12	21.537	240	354146	20.000	ng/u1	0.00
88) Perylene-d12	24.674	264	442115	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.341	96	11388	7.869	ng/uL	0.00
4) Pyridine-d5	3.752	84	88323	20.102	ng/u1	0.00
7) Phenol-d5	7.066	99	116528	22.515	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.224	67	67446	21.625	ng/u1	0.00
11) 2-Chlorophenol-d4	7.430	132	78854	22.091	ng/u1	0.00
15) 4-Methylphenol-d8	8.611	113	87015	22.282	ng/u1	0.00
21) Nitrobenzene-d5	9.063	128	40885	20.238	ng/u1	0.00
24) 2-Nitrophenol-d4	9.780	143	47240	22.249	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.326	165	92706	22.761	ng/u1	0.00
31) 4-Chloroaniline-d4	10.838	131	125390	20.305	ng/u1	0.00
46) Dimethylphthalate-d6	13.940	166	268969	19.352	ng/u1	0.00
49) Acenaphthylene-d8	14.234	160	320014	21.100	ng/u1	0.00
54) 4-Nitrophenol-d4	14.745	143	40460	16.477	ng/u1	0.00
60) Fluorene-d10	15.532	176	245383	20.789	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.650	200	39219	17.708	ng/u1	0.00
73) Anthracene-d10	17.383	188	396142	20.930	ng/u1	0.00
81) Pyrene-d10	19.668	212	453863	20.349	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.457	264	467221	20.743	ng/u1	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.382	88	13112	7.334	ng/uL	94
5) Pyridine	3.775	79	93492	20.768	ng/u1	96
6) Benzaldehyde	7.042	77	45630	26.400	ng/u1	95
8) Phenol	7.095	94	123408	23.498	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.318	93	86497	21.330	ng/u1	99
12) 2-Chlorophenol	7.465	128	83496	22.478	ng/u1	98
13) 2-Methylphenol	8.346	108	93863	22.756	ng/u1	94
14) 2,2'-oxybis(1-Chloropr...	8.429	45	141537m	22.674	ng/u1	
16) Acetophenone	8.722	105	142068	21.927	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.705	70	73403	21.192	ng/u1	97
18) 4-Methylphenol	8.670	108	100954	22.635	ng/u1	97
19) Hexachloroethane	8.981	117	32037	22.498	ng/u1	98
22) Nitrobenzene	9.104	77	109766	20.930	ng/u1	96
23) Isophorone	9.621	82	218941	19.565	ng/u1	99
25) 2-Nitrophenol	9.815	139	49948	21.923	ng/u1	93
26) 2,4-Dimethylphenol	9.874	107	109725	21.417	ng/u1	94
27) Bis(2-Chloroethoxy)met...	10.109	93	124883	19.804	ng/u1	99
29) 2,4-Dichlorophenol	10.350	162	88390	22.320	ng/u1	93
30) Naphthalene	10.755	128	297075	21.327	ng/u1	99
32) 4-Chloroaniline	10.867	127	132337	20.958	ng/u1	95
33) Hexachlorobutadiene	11.031	225	61173	21.819	ng/u1	95
34) Caprolactam	11.613	113	30699	19.281	ng/u1	94
35) 4-Chloro-3-methylphenol	11.989	107	105965	21.783	ng/u1	99
36) 2-Methylnaphthalene	12.359	142	200190	21.320	ng/u1	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.583	142	201676	21.418	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.729	216	117719	21.929	ng/ul	98
40) Hexachlorocyclopentadiene	12.706	237	54645	16.161	ng/ul	95
41) 2,4,6-Trichlorophenol	12.970	196	81626	22.435	ng/ul	99
42) 2,4,5-Trichlorophenol	13.047	196	85233	21.661	ng/ul	98
43) 1,1'-Biphenyl	13.370	154	266014	20.955	ng/ul	100
44) 2-Chloronaphthalene	13.417	162	215758	21.177	ng/ul	99
45) 2-Nitroaniline	13.623	65	76244	21.524	ng/ul	96
47) Dimethylphthalate	13.987	163	272347	19.504	ng/ul	99
48) 2,6-Dinitrotoluene	14.116	165	59722	20.836	ng/ul	98
50) Acenaphthylene	14.263	152	345373	21.087	ng/ul	98
51) 3-Nitroaniline	14.445	138	47155	19.468	ng/ul	97
52) Acenaphthene	14.604	153	235933	20.993	ng/ul	97
53) 2,4-Dinitrophenol	14.651	184	25621	17.146	ng/ul	95
55) 4-Nitrophenol	14.757	109	29568	16.254	ng/ul	87
56) Dibenzofuran	14.939	168	335843	21.022	ng/ul	100
57) 2,4-Dinitrotoluene	14.903	165	85491	21.052	ng/ul	99
58) 2,3,4,6-Tetrachlorophenol	15.162	232	74276	20.736	ng/ul#	99
59) Diethylphthalate	15.350	149	279186	19.156	ng/ul	99
61) Fluorene	15.585	166	272714	20.805	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.573	204	147265	21.232	ng/ul	97
63) 4-Nitroaniline	15.603	138	31967m	14.732	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.667	198	42385	18.713	ng/ul	100
67) N-Nitrosodiphenylamine	15.791	169	230467	21.232	ng/ul	99
68) 4-Bromophenyl-phenylether	16.472	248	99039	22.121	ng/ul	98
69) Hexachlorobenzene	16.590	284	109719	21.888	ng/ul	98
70) Atrazine	16.737	200	89193	20.094	ng/ul	95
71) Pentachlorophenol	16.936	266	53797	17.876	ng/ul	94
72) Phenanthrene	17.324	178	428832	20.669	ng/ul	99
74) Anthracene	17.418	178	437684	20.847	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.335	216	124556	23.026	ng/uL	98
76) Pentachlorobenzene	14.856	250	131332	22.733	ng/uL	98
77) Carbazole	17.688	167	396506	20.882	ng/ul	99
78) Di-n-butylphthalate	18.241	149	487627	20.160	ng/ul	99
80) Fluoranthene	19.339	202	516232	19.974	ng/ul	99
82) Pyrene	19.698	202	520544	20.009	ng/ul	99
83) Butylbenzylphthalate	20.585	149	221371	20.984	ng/ul	100
84) 3,3'-Dichlorobenzidine	21.437	252	194521	22.688	ng/ul	97
85) Benzo(a)anthracene	21.513	228	534608	21.024	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.419	149	319970	21.165	ng/ul	98
87) Chrysene	21.578	228	514919	21.602	ng/ul	99
89) Di-n-octyl phthalate	22.594	149	555312	20.443	ng/ul	100
90) Benzo(b)fluoranthene	23.675	252	559280	20.431	ng/ul	99
91) Benzo(k)fluoranthene	23.740	252	545237	20.320	ng/ul	99
93) Benzo(a)pyrene	24.527	252	492554	20.329	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.247	276	646192m	20.084	ng/ul	
95) Dibenzo(a,h)anthracene	28.311	278	526763	19.854	ng/ul	99
96) Benzo(g,h,i)perylene	29.369	276	494548m	18.819	ng/ul	

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

