

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070523\
 Data File : BG058059.D
 Acq On : 6 Jul 2023 23:28
 Operator : CG/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020497

Quant Time: Jul 07 01:42:59 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070123.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 05 23:20:13 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.915	152	45190	20.000	ng/u1	0.00
20) Naphthalene-d8	10.723	136	203886	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.554	164	148456	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.298	188	370994	20.000	ng/u1	0.00
79) Chrysene-d12	21.552	240	330703	20.000	ng/u1	0.00
88) Perylene-d12	24.707	264	423567	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.356	96	10848	8.406	ng/uL	0.00
4) Pyridine-d5	3.761	84	85295	21.770	ng/u1	-0.01
7) Phenol-d5	7.081	99	94789	20.539	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.239	67	57240	20.581	ng/u1	0.00
11) 2-Chlorophenol-d4	7.451	132	64268	20.191	ng/u1	0.00
15) 4-Methylphenol-d8	8.626	113	70492	20.243	ng/u1	0.00
21) Nitrobenzene-d5	9.078	128	34445	20.728	ng/u1	0.00
24) 2-Nitrophenol-d4	9.801	143	37589	21.523	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.342	165	72949	21.773	ng/u1	0.00
31) 4-Chloroaniline-d4	10.859	131	107994	21.260	ng/u1	0.00
46) Dimethylphthalate-d6	13.955	166	242495	20.702	ng/u1	0.00
49) Acenaphthylene-d8	14.249	160	266638	20.860	ng/u1	0.00
54) 4-Nitrophenol-d4	14.760	143	40675	19.655	ng/u1	0.00
60) Fluorene-d10	15.547	176	212656	21.377	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.665	200	43833	21.759	ng/u1	0.00
73) Anthracene-d10	17.398	188	364507	21.174	ng/u1	0.00
81) Pyrene-d10	19.689	212	429413	20.617	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.490	264	434690	20.143	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.391	88	10874	6.821	ng/uL#	94
5) Pyridine	3.785	79	89434	22.279	ng/u1	99
6) Benzaldehyde	7.057	77	23214	15.062	ng/u1	96
8) Phenol	7.110	94	96780	20.665	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.333	93	74428	20.583	ng/u1	100
12) 2-Chlorophenol	7.480	128	67870	20.491	ng/u1	97
13) 2-Methylphenol	8.362	108	74217	20.178	ng/u1	95
14) 2,2'-oxybis(1-Chloropr...	8.438	45	119643m	21.494	ng/u1	
16) Acetophenone	8.738	105	122023	21.120	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.720	70	65271	21.133	ng/u1	97
18) 4-Methylphenol	8.685	108	82859	20.834	ng/u1	97
19) Hexachloroethane	8.996	117	25774	20.298	ng/u1	95
22) Nitrobenzene	9.119	77	90833	21.056	ng/u1	96
23) Isophorone	9.636	82	191541	20.808	ng/u1	99
25) 2-Nitrophenol	9.830	139	40878	21.813	ng/u1#	87
26) 2,4-Dimethylphenol	9.889	107	90044	21.367	ng/u1	97
27) Bis(2-Chloroethoxy)met...	10.124	93	107017	20.631	ng/u1	99
29) 2,4-Dichlorophenol	10.371	162	70010	21.492	ng/u1	95
30) Naphthalene	10.770	128	238354	20.802	ng/u1	98
32) 4-Chloroaniline	10.882	127	112372	21.635	ng/u1	98
33) Hexachlorobutadiene	11.052	225	50288	21.806	ng/u1	96
34) Caprolactam	11.628	113	27917	21.316	ng/u1	95
35) 4-Chloro-3-methylphenol	12.010	107	87065	21.758	ng/u1	99
36) 2-Methylnaphthalene	12.380	142	161410	20.898	ng/u1	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.598	142	165007	21.304	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.745	216	95696	21.152	ng/ul	99
40) Hexachlorocyclopentadiene	12.727	237	54716	19.201	ng/ul	98
41) 2,4,6-Trichlorophenol	12.986	196	65882	21.486	ng/ul	99
42) 2,4,5-Trichlorophenol	13.062	196	70106	21.141	ng/ul	100
43) 1,1'-Biphenyl	13.391	154	221613	20.715	ng/ul	98
44) 2-Chloronaphthalene	13.432	162	176577	20.565	ng/ul	98
45) 2-Nitroaniline	13.632	65	64137	21.485	ng/ul	96
47) Dimethylphthalate	14.002	163	246368	20.935	ng/ul	98
48) 2,6-Dinitrotoluene	14.125	165	52231	21.623	ng/ul	96
50) Acenaphthylene	14.278	152	288859	20.927	ng/ul	99
51) 3-Nitroaniline	14.454	138	36992	18.121	ng/ul#	97
52) Acenaphthene	14.619	153	194956	20.583	ng/ul	98
53) 2,4-Dinitrophenol	14.666	184	25980	20.630	ng/ul	91
55) 4-Nitrophenol	14.772	109	30711	20.032	ng/ul	83
56) Dibenzofuran	14.954	168	285286	21.189	ng/ul	99
57) 2,4-Dinitrotoluene	14.919	165	76590	22.379	ng/ul#	100
58) 2,3,4,6-Tetrachlorophenol	15.177	232	68130	22.569	ng/ul	100
59) Diethylphthalate	15.365	149	256032	20.845	ng/ul	99
61) Fluorene	15.600	166	235470	21.315	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.594	204	126399	21.624	ng/ul	97
63) 4-Nitroaniline	15.618	138	32560m	17.805	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.676	198	45255	21.967	ng/ul	93
67) N-Nitrosodiphenylamine	15.806	169	202978	20.558	ng/ul	100
68) 4-Bromophenyl-phenylether	16.487	248	87279	21.432	ng/ul	98
69) Hexachlorobenzene	16.605	284	100514	22.045	ng/ul	99
70) Atrazine	16.752	200	85130	21.085	ng/ul	97
71) Pentachlorophenol	16.951	266	54723	19.992	ng/ul	97
72) Phenanthrene	17.339	178	393994	20.878	ng/ul	99
74) Anthracene	17.433	178	402324	21.067	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.356	216	101292	20.587	ng/uL	97
76) Pentachlorobenzene	14.872	250	112085	21.330	ng/uL	98
77) Carbazole	17.704	167	369530	21.396	ng/ul	100
78) Di-n-butylphthalate	18.256	149	468454	21.293	ng/ul	100
80) Fluoranthene	19.355	202	495178	20.518	ng/ul	99
82) Pyrene	19.719	202	496798	20.450	ng/ul	97
83) Butylbenzylphthalate	20.600	149	200178	20.320	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.452	252	161965	20.230	ng/ul	97
85) Benzo(a)anthracene	21.534	228	496287	20.901	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.434	149	293660	20.802	ng/ul	97
87) Chrysene	21.599	228	466868	20.974	ng/ul	99
89) Di-n-octyl phthalate	22.621	149	523479	20.115	ng/ul	100
90) Benzo(b)fluoranthene	23.702	252	538223	20.522	ng/ul	98
91) Benzo(k)fluoranthene	23.767	252	507896	19.758	ng/ul	98
93) Benzo(a)pyrene	24.554	252	469200	20.213	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	28.297	276	626621	20.329	ng/ul	98
95) Dibenzo(a,h)anthracene	28.350	278	525063	20.657	ng/ul	98
96) Benzo(g,h,i)perylene	29.419	276	508942	20.214	ng/ul	99

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

