

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071123\
 Data File : BG058164.D
 Acq On : 11 Jul 2023 18:22
 Operator : CG/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020509

Quant Time: Jul 11 23:33:09 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070123.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jul 10 16:52:40 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/12/2023
 Supervised By :mohammad ahmed 07/12/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.973	152	41224	20.000	ng/u1	0.00
20) Naphthalene-d8	10.776	136	188978	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.600	164	131115	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.344	188	306405	20.000	ng/u1	0.00
79) Chrysene-d12	21.598	240	272619	20.000	ng/u1	0.00
88) Perylene-d12	24.794	264	330960	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.402	96	9247	7.855	ng/uL	0.00
4) Pyridine-d5	3.813	84	71431	19.986	ng/u1	0.00
7) Phenol-d5	7.133	99	86288	20.496	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.297	67	52208	20.578	ng/u1	0.00
11) 2-Chlorophenol-d4	7.503	132	60568	20.859	ng/u1	0.00
15) 4-Methylphenol-d8	8.678	113	66349	20.886	ng/u1	0.00
21) Nitrobenzene-d5	9.130	128	32121	20.854	ng/u1	0.00
24) 2-Nitrophenol-d4	9.859	143	36318	22.435	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.394	165	68343	22.008	ng/u1	0.00
31) 4-Chloroaniline-d4	10.911	131	97206	20.646	ng/u1	0.00
46) Dimethylphthalate-d6	14.001	166	205222	19.837	ng/u1	0.00
49) Acenaphthylene-d8	14.295	160	240748	21.326	ng/u1	0.00
54) 4-Nitrophenol-d4	14.800	143	34557	18.907	ng/u1	0.00
60) Fluorene-d10	15.593	176	186953	21.279	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.711	200	32238	19.376	ng/u1	0.00
73) Anthracene-d10	17.438	188	299892	21.092	ng/u1	0.00
81) Pyrene-d10	19.730	212	343625	20.013	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.571	264	349913	20.752	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.437	88	10414	7.160	ng/uL	96
5) Pyridine	3.837	79	74543	20.356	ng/u1	98
6) Benzaldehyde	7.109	77	24891	17.704	ng/u1	94
8) Phenol	7.162	94	90737	21.239	ng/u1	97
10) Bis(2-Chloroethyl)ether	7.391	93	67526	20.471	ng/u1	97
12) 2-Chlorophenol	7.538	128	63484	21.010	ng/u1	96
13) 2-Methylphenol	8.414	108	67889	20.234	ng/u1	93
14) 2,2'-oxybis(1-Chloropr...	8.496	45	106317	20.938	ng/u1	98
16) Acetophenone	8.790	105	110411	20.949	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.772	70	56195	19.945	ng/u1	98
18) 4-Methylphenol	8.737	108	77407	21.336	ng/u1	96
19) Hexachloroethane	9.054	117	24318	20.994	ng/u1	97
22) Nitrobenzene	9.177	77	83104	20.784	ng/u1	95
23) Isophorone	9.694	82	167437	19.625	ng/u1	99
25) 2-Nitrophenol	9.888	139	37832	21.780	ng/u1	99
26) 2,4-Dimethylphenol	9.941	107	81459	20.855	ng/u1	99
27) Bis(2-Chloroethoxy)met...	10.176	93	96975	20.170	ng/u1	100
29) 2,4-Dichlorophenol	10.423	162	65705	21.761	ng/u1	94
30) Naphthalene	10.828	128	222734	20.973	ng/u1	98
32) 4-Chloroaniline	10.934	127	98481	20.456	ng/u1	98
33) Hexachlorobutadiene	11.105	225	44875	20.993	ng/u1	95
34) Caprolactam	11.686	113	23299	19.194	ng/u1	90
35) 4-Chloro-3-methylphenol	12.056	107	79489	21.432	ng/u1	98
36) 2-Methylnaphthalene	12.432	142	151488	21.160	ng/u1	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.650	142	150903	21.020	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.797	216	87774	21.967	ng/ul	98
40) Hexachlorocyclopentadiene	12.773	237	56627	22.500	ng/ul	98
41) 2,4,6-Trichlorophenol	13.038	196	59183	21.854	ng/ul	93
42) 2,4,5-Trichlorophenol	13.114	196	61441	20.978	ng/ul	99
43) 1,1'-Biphenyl	13.437	154	200505	21.220	ng/ul	99
44) 2-Chloronaphthalene	13.478	162	161894	21.349	ng/ul	99
45) 2-Nitroaniline	13.684	65	55767	21.151	ng/ul	95
47) Dimethylphthalate	14.048	163	210941	20.296	ng/ul	100
48) 2,6-Dinitrotoluene	14.172	165	44747	20.975	ng/ul	94
50) Acenaphthylene	14.324	152	262834	21.560	ng/ul	99
51) 3-Nitroaniline	14.506	138	34991	19.408	ng/ul	96
52) Acenaphthene	14.665	153	180741	21.606	ng/ul	98
53) 2,4-Dinitrophenol	14.712	184	25104	22.571	ng/ul	97
55) 4-Nitrophenol	14.818	109	24495	18.091	ng/ul	84
56) Dibenzofuran	15.000	168	255395	21.477	ng/ul	98
57) 2,4-Dinitrotoluene	14.959	165	64176	21.232	ng/ul#	99
58) 2,3,4,6-Tetrachlorophenol	15.223	232	56694	21.264	ng/ul	99
59) Diethylphthalate	15.411	149	212894	19.625	ng/ul	99
61) Fluorene	15.646	166	207393	21.256	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.635	204	109930	21.293	ng/ul	98
63) 4-Nitroaniline	15.664	138	20307m	12.573	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.723	198	33731	19.825	ng/ul	99
67) N-Nitrosodiphenylamine	15.852	169	174003	21.338	ng/ul	99
68) 4-Bromophenyl-phenylether	16.528	248	73051	21.720	ng/ul	98
69) Hexachlorobenzene	16.651	284	81715	21.700	ng/ul	98
70) Atrazine	16.792	200	67587	20.269	ng/ul	93
71) Pentachlorophenol	16.992	266	48939	21.648	ng/ul	95
72) Phenanthrene	17.385	178	334491	21.461	ng/ul	100
74) Anthracene	17.474	178	337876	21.422	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.402	216	91302	22.468	ng/uL	97
76) Pentachlorobenzene	14.918	250	98904	22.789	ng/uL	95
77) Carbazole	17.744	167	306447	21.483	ng/ul	99
78) Di-n-butylphthalate	18.296	149	374276	20.598	ng/ul	99
80) Fluoranthene	19.395	202	400175	20.114	ng/ul	98
82) Pyrene	19.753	202	404177	20.182	ng/ul	99
83) Butylbenzylphthalate	20.635	149	168429	20.740	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.498	252	151532	22.960	ng/ul	99
85) Benzo(a)anthracene	21.581	228	408609	20.875	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.481	149	244325	20.995	ng/ul	99
87) Chrysene	21.645	228	391150	21.316	ng/ul	100
89) Di-n-octyl phthalate	22.673	149	431878	21.238	ng/ul	100
90) Benzo(b)fluoranthene	23.778	252	423393	20.661	ng/ul	99
91) Benzo(k)fluoranthene	23.843	252	417483	20.785	ng/ul	99
93) Benzo(a)pyrene	24.636	252	377099	20.791	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.437	276	485219	20.146	ng/ul	100
95) Dibenzo(a,h)anthracene	28.490	278	389851	19.629	ng/ul	98
96) Benzo(g,h,i)perylene	29.571	276	372771	18.949	ng/ul	99

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

