

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071123\
 Data File : BG058190.D
 Acq On : 12 Jul 2023 17:16
 Operator : CG/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020511

Quant Time: Jul 12 22:38:13 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 07/13/2023
 Supervised By :mohammad ahmed 07/13/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.971	152	47947	20.000	ng/u1	0.00
20) Naphthalene-d8	10.774	136	222051	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.599	164	154300	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.343	188	355320	20.000	ng/u1	0.00
79) Chrysene-d12	21.597	240	309204	20.000	ng/u1	0.00
88) Perylene-d12	24.787	264	380395	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.400	96	9392	6.859	ng/uL	0.00
4) Pyridine-d5	3.812	84	74584	17.942	ng/u1	0.00
7) Phenol-d5	7.131	99	93997	19.196	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.296	67	55009	18.642	ng/u1	0.00
11) 2-Chlorophenol-d4	7.501	132	64201	19.010	ng/u1	0.00
15) 4-Methylphenol-d8	8.676	113	70792	19.160	ng/u1	0.00
21) Nitrobenzene-d5	9.135	128	34734	19.192	ng/u1	0.00
24) 2-Nitrophenol-d4	9.857	143	37367	19.645	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.398	165	73571	20.163	ng/u1	0.00
31) 4-Chloroaniline-d4	10.909	131	104107	18.818	ng/u1	0.00
46) Dimethylphthalate-d6	14.000	166	214986	17.659	ng/u1	0.00
49) Acenaphthylene-d8	14.293	160	253034	19.046	ng/u1	0.00
54) 4-Nitrophenol-d4	14.793	143	34645	16.107	ng/u1	0.00
60) Fluorene-d10	15.586	176	197077	19.061	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.709	200	32859	17.031	ng/u1	0.00
73) Anthracene-d10	17.443	188	314550	19.078	ng/u1	0.00
81) Pyrene-d10	19.722	212	355263	18.243	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.570	264	363195	18.740	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.435	88	11258	6.655	ng/uL	94
5) Pyridine	3.835	79	77696	18.242	ng/u1	96
6) Benzaldehyde	7.108	77	16348	9.997	ng/u1	95
8) Phenol	7.160	94	97209	19.563	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.390	93	71754	18.702	ng/u1	100
12) 2-Chlorophenol	7.537	128	67490	19.204	ng/u1	96
13) 2-Methylphenol	8.412	108	75631	19.381	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.494	45	113304m	19.185	ng/u1	
16) Acetophenone	8.794	105	118861	19.390	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.770	70	61552	18.783	ng/u1	97
18) 4-Methylphenol	8.741	108	81522	19.320	ng/u1	96
19) Hexachloroethane	9.052	117	25513	18.937	ng/u1	98
22) Nitrobenzene	9.176	77	89266	19.000	ng/u1	98
23) Isophorone	9.693	82	179022	17.857	ng/u1	98
25) 2-Nitrophenol	9.887	139	40689	19.936	ng/u1#	89
26) 2,4-Dimethylphenol	9.940	107	87373	19.037	ng/u1	96
27) Bis(2-Chloroethoxy)met...	10.175	93	103254	18.277	ng/u1	99
29) 2,4-Dichlorophenol	10.421	162	70642	19.912	ng/u1	96
30) Naphthalene	10.827	128	238407	19.105	ng/u1	99
32) 4-Chloroaniline	10.933	127	105250	18.606	ng/u1	99
33) Hexachlorobutadiene	11.103	225	48027	19.122	ng/u1	95
34) Caprolactam	11.685	113	23875	16.739	ng/u1	99
35) 4-Chloro-3-methylphenol	12.055	107	85480	19.614	ng/u1	99
36) 2-Methylnaphthalene	12.431	142	159587	18.971	ng/u1	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.648	142	163338	19.363	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.795	216	92710	19.716	ng/ul	99
40) Hexachlorocyclopentadiene	12.772	237	32108	10.841	ng/ul	96
41) 2,4,6-Trichlorophenol	13.036	196	63622	19.963	ng/ul	98
42) 2,4,5-Trichlorophenol	13.106	196	68426	19.853	ng/ul	99
43) 1,1'-Biphenyl	13.436	154	214989	19.334	ng/ul	99
44) 2-Chloronaphthalene	13.477	162	174834	19.591	ng/ul	99
45) 2-Nitroaniline	13.682	65	59008	19.018	ng/ul	95
47) Dimethylphthalate	14.047	163	221016	18.070	ng/ul	99
48) 2,6-Dinitrotoluene	14.170	165	46100	18.362	ng/ul	94
50) Acenaphthylene	14.323	152	277180	19.321	ng/ul	98
51) 3-Nitroaniline	14.499	138	35502	16.733	ng/ul	97
52) Acenaphthene	14.663	153	189622	19.262	ng/ul	98
53) 2,4-Dinitrophenol	14.710	184	18920	14.455	ng/ul	92
55) 4-Nitrophenol	14.810	109	25639	16.091	ng/ul	91
56) Dibenzofuran	14.998	168	271424	19.396	ng/ul	99
57) 2,4-Dinitrotoluene	14.957	165	67356	18.935	ng/ul	99
58) 2,3,4,6-Tetrachlorophenol	15.222	232	58203	18.550	ng/ul	97
59) Diethylphthalate	15.404	149	225618	17.673	ng/ul	100
61) Fluorene	15.645	166	220434	19.198	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.633	204	115397	18.994	ng/ul	97
63) 4-Nitroaniline	15.656	138	19657m	10.342	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.721	198	34716	17.595	ng/ul	98
67) N-Nitrosodiphenylamine	15.844	169	184833	19.546	ng/ul	99
68) 4-Bromophenyl-phenylether	16.526	248	77779	19.942	ng/ul	98
69) Hexachlorobenzene	16.649	284	85857	19.661	ng/ul	98
70) Atrazine	16.790	200	70516	18.236	ng/ul	98
71) Pentachlorophenol	16.990	266	41475	15.820	ng/ul	96
72) Phenanthrene	17.384	178	346281	19.159	ng/ul	99
74) Anthracene	17.472	178	352022	19.247	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.400	216	98005	20.797	ng/uL	98
76) Pentachlorobenzene	14.916	250	103066	20.479	ng/uL	100
77) Carbazole	17.742	167	315811	19.092	ng/ul	99
78) Di-n-butylphthalate	18.295	149	387857	18.407	ng/ul	100
80) Fluoranthene	19.393	202	411276	18.226	ng/ul	99
82) Pyrene	19.758	202	418846	18.440	ng/ul	99
83) Butylbenzylphthalate	20.633	149	173097	18.793	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.497	252	150576	20.115	ng/ul	97
85) Benzo(a)anthracene	21.579	228	418251	18.839	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.473	149	249104	18.873	ng/ul	97
87) Chrysene	21.644	228	398650	19.155	ng/ul	99
89) Di-n-octyl phthalate	22.672	149	446635	19.110	ng/ul	100
90) Benzo(b)fluoranthene	23.770	252	439597	18.664	ng/ul	99
91) Benzo(k)fluoranthene	23.841	252	427511	18.518	ng/ul	99
93) Benzo(a)pyrene	24.640	252	393293	18.866	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	28.430	276	492651m	17.796	ng/ul	
95) Dibenzo(a,h)anthracene	28.488	278	410436	17.980	ng/ul	99
96) Benzo(g,h,i)perylene	29.564	276	365340	16.158	ng/ul	100

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

