

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071323\
 Data File : BG058195.D
 Acq On : 13 Jul 2023 12:18
 Operator : CG/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020513

Quant Time: Jul 14 00:24:46 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 07/14/2023
 Supervised By :mohammad ahmed 07/14/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.905	152	43843	20.000	ng/u1	0.00
20) Naphthalene-d8	10.708	136	201616	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.539	164	143832	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.289	188	355200	20.000	ng/u1	0.00
79) Chrysene-d12	21.542	240	313068	20.000	ng/u1	0.00
88) Perylene-d12	24.686	264	388148	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.346	96	10545m	8.422	ng/uL	0.00
4) Pyridine-d5	3.752	84	77563	20.405	ng/u1	0.00
7) Phenol-d5	7.065	99	89477	19.984	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.230	67	55218	20.464	ng/u1	0.00
11) 2-Chlorophenol-d4	7.435	132	62585	20.266	ng/u1	0.00
15) 4-Methylphenol-d8	8.611	113	68956	20.410	ng/u1	0.00
21) Nitrobenzene-d5	9.063	128	32077	19.520	ng/u1	0.00
24) 2-Nitrophenol-d4	9.786	143	35069	20.306	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.326	165	70538	21.291	ng/u1	0.00
31) 4-Chloroaniline-d4	10.843	131	105936	21.090	ng/u1	0.00
46) Dimethylphthalate-d6	13.945	166	229714	20.242	ng/u1	0.00
49) Acenaphthylene-d8	14.233	160	257651	20.805	ng/u1	0.00
54) 4-Nitrophenol-d4	14.750	143	37870	18.888	ng/u1	0.00
60) Fluorene-d10	15.532	176	202482	21.009	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.655	200	37010	19.189	ng/u1	0.00
73) Anthracene-d10	17.388	188	338976	20.566	ng/u1	0.00
81) Pyrene-d10	19.674	212	399246	20.249	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.468	264	400110	20.233	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.381	88	11519	7.447	ng/uL	94
5) Pyridine	3.775	79	80778	20.741	ng/u1	94
6) Benzaldehyde	7.042	77	33449	22.370	ng/u1	96
8) Phenol	7.095	94	95473	21.013	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.324	93	70457	20.083	ng/u1	99
12) 2-Chlorophenol	7.465	128	65850	20.491	ng/u1	97
13) 2-Methylphenol	8.346	108	72771	20.393	ng/u1	100
14) 2,2'-oxybis(1-Chloropr...	8.422	45	116651	21.601	ng/u1	96
16) Acetophenone	8.722	105	118681	21.173	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.705	70	61821	20.631	ng/u1#	98
18) 4-Methylphenol	8.675	108	81891	21.224	ng/u1	99
19) Hexachloroethane	8.981	117	25589	20.771	ng/u1	91
22) Nitrobenzene	9.104	77	87258	20.455	ng/u1	99
23) Isophorone	9.627	82	185259	20.352	ng/u1	99
25) 2-Nitrophenol	9.821	139	38981	21.035	ng/u1	95
26) 2,4-Dimethylphenol	9.880	107	86947	20.865	ng/u1	96
27) Bis(2-Chloroethoxy)met...	10.109	93	101835	19.853	ng/u1	99
29) 2,4-Dichlorophenol	10.356	162	66982	20.794	ng/u1	91
30) Naphthalene	10.755	128	232744	20.542	ng/u1	99
32) 4-Chloroaniline	10.867	127	109249	21.271	ng/u1	99
33) Hexachlorobutadiene	11.037	225	46101	20.215	ng/u1	99
34) Caprolactam	11.619	113	26939m	20.801	ng/u1	
35) 4-Chloro-3-methylphenol	11.995	107	85777	21.678	ng/u1	98
36) 2-Methylnaphthalene	12.365	142	157726	20.651	ng/u1	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.588	142	161416	21.075	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.735	216	92291	21.056	ng/ul	99
40) Hexachlorocyclopentadiene	12.712	237	55243	20.009	ng/ul	94
41) 2,4,6-Trichlorophenol	12.976	196	64251	21.628	ng/ul	97
42) 2,4,5-Trichlorophenol	13.046	196	69116	21.512	ng/ul	96
43) 1,1'-Biphenyl	13.376	154	217168	20.952	ng/ul	100
44) 2-Chloronaphthalene	13.417	162	172946	20.790	ng/ul	98
45) 2-Nitroaniline	13.622	65	60737	21.000	ng/ul	97
47) Dimethylphthalate	13.992	163	233305	20.463	ng/ul	99
48) 2,6-Dinitrotoluene	14.116	165	47116	20.132	ng/ul	97
50) Acenaphthylene	14.263	152	281809	21.073	ng/ul	97
51) 3-Nitroaniline	14.451	138	34469	17.428	ng/ul	98
52) Acenaphthene	14.603	153	192036	20.927	ng/ul	97
53) 2,4-Dinitrophenol	14.656	184	26844	22.001	ng/ul	92
55) 4-Nitrophenol	14.762	109	28621	19.269	ng/ul	93
56) Dibenzofuran	14.938	168	274391	21.035	ng/ul	99
57) 2,4-Dinitrotoluene	14.903	165	69253	20.886	ng/ul	97
58) 2,3,4,6-Tetrachlorophenol	15.168	232	62183	21.261	ng/ul#	99
59) Diethylphthalate	15.356	149	240971	20.250	ng/ul	99
61) Fluorene	15.591	166	228848	21.381	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.579	204	118466	20.918	ng/ul	100
63) 4-Nitroaniline	15.614	138	22958	12.958	ng/ul	97
66) 4,6-Dinitro-2-methylph...	15.667	198	39214	19.881	ng/ul#	95
67) N-Nitrosodiphenylamine	15.796	169	195098	20.639	ng/ul	97
68) 4-Bromophenyl-phenylether	16.472	248	81833	20.988	ng/ul	99
69) Hexachlorobenzene	16.595	284	92456	21.180	ng/ul	99
70) Atrazine	16.742	200	77478	20.043	ng/ul	97
71) Pentachlorophenol	16.942	266	54639	20.849	ng/ul	94
72) Phenanthrene	17.330	178	375334	20.774	ng/ul	100
74) Anthracene	17.424	178	379277	20.744	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.340	216	96955	20.582	ng/uL	99
76) Pentachlorobenzene	14.862	250	105825	21.034	ng/uL	95
77) Carbazole	17.694	167	354776	21.455	ng/ul	99
78) Di-n-butylphthalate	18.246	149	434152	20.611	ng/ul	99
80) Fluoranthene	19.345	202	459891	20.129	ng/ul	98
82) Pyrene	19.703	202	463396	20.149	ng/ul	99
83) Butylbenzylphthalate	20.591	149	193461	20.745	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.443	252	160536	21.181	ng/ul	98
85) Benzo(a)anthracene	21.525	228	464659	20.671	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.425	149	284658	21.300	ng/ul	97
87) Chrysene	21.589	228	444043	21.072	ng/ul	99
89) Di-n-octyl phthalate	22.606	149	493717	20.702	ng/ul	100
90) Benzo(b)fluoranthene	23.687	252	484390	20.155	ng/ul	97
91) Benzo(k)fluoranthene	23.752	252	479159	20.341	ng/ul	99
93) Benzo(a)pyrene	24.539	252	426758	20.062	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	28.270	276	573278	20.295	ng/ul	99
95) Dibenzo(a,h)anthracene	28.323	278	479579	20.589	ng/ul	97
96) Benzo(g,h,i)perylene	29.392	276	457058	19.810	ng/ul	99

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

