

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030322\
 Data File : BG052573.D
 Acq On : 4 Mar 2022 11:20
 Operator : CG/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020535

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 03/07/2022
 Supervised By :mohammad ahmed 03/07/2022

Quant Time: Mar 07 01:08:05 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG022222.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Feb 22 17:32:12 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.231	152	26263	20.000	ng/u1	0.00
20) Naphthalene-d8	11.069	136	113631	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.869	164	85432	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.618	188	208739	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.930	240	208239	20.000	ng/u1	# 0.00
88) Perylene-d12	25.396	264	211287	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.549	96	5995	8.954	ng/uL	0.00
4) Pyridine-d5	3.978	84	46280	22.914	ng/u1	0.00
7) Phenol-d5	7.379	99	56477	22.678	ng/u1	0.01
9) Bis-(2-Chloroethyl)eth...	7.538	67	32118	22.069	ng/u1	0.00
11) 2-Chlorophenol-d4	7.761	132	39949	22.839	ng/u1	0.01
15) 4-Methylphenol-d8	8.942	113	45085	23.268	ng/u1	0.00
21) Nitrobenzene-d5	9.406	128	22443	23.168	ng/u1	0.00
24) 2-Nitrophenol-d4	10.134	143	24406	23.002	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.687	165	47081	23.794	ng/u1	0.01
31) 4-Chloroaniline-d4	11.198	131	66440	24.230	ng/u1	0.00
46) Dimethylphthalate-d6	14.258	166	161431	23.244	ng/u1	0.00
49) Acenaphthylene-d8	14.564	160	198168	23.114	ng/u1	0.00
54) 4-Nitrophenol-d4	15.057	143	22486	20.367	ng/u1	0.00
60) Fluorene-d10	15.856	176	142463	23.350	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.974	200	29253	22.102	ng/u1	0.00
73) Anthracene-d10	17.718	188	240733	23.872	ng/u1	0.00
81) Pyrene-d10	19.998	212	288981	23.716	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.161	264	265525	23.425	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.585	88	6181	7.935	ng/uL#	85
5) Pyridine	3.996	79	47216	23.154	ng/u1	91
6) Benzaldehyde	7.350	77	24668	17.443	ng/u1	88
8) Phenol	7.403	94	55257	21.938	ng/u1	96
10) Bis(2-Chloroethyl)ether	7.632	93	41653	22.357	ng/u1	97
12) 2-Chlorophenol	7.791	128	40462	22.203	ng/u1	98
13) 2-Methylphenol	8.672	108	44050	23.103	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.760	45	55969	21.950	ng/u1#	95
16) Acetophenone	9.059	105	71584	23.979	ng/u1	97
17) N-Nitroso-di-n-propyla...	9.036	70	39727	22.604	ng/u1	96
18) 4-Methylphenol	9.001	108	47463	23.407	ng/u1	97
19) Hexachloroethane	9.330	117	16340	22.933	ng/u1	87
22) Nitrobenzene	9.447	77	57534	23.168	ng/u1	95
23) Isophorone	9.970	82	110798	23.128	ng/u1	98
25) 2-Nitrophenol	10.170	139	25583	22.944	ng/u1	99
26) 2,4-Dimethylphenol	10.223	107	53723	23.425	ng/u1	95
27) Bis(2-Chloroethoxy)met...	10.446	93	58570	22.589	ng/u1	98
29) 2,4-Dichlorophenol	10.710	162	44166	23.595	ng/u1	98
30) Naphthalene	11.116	128	146165	23.121	ng/u1	97
32) 4-Chloroaniline	11.221	127	67380	23.954	ng/u1	99
33) Hexachlorobutadiene	11.403	225	32795	22.204	ng/u1	96
34) Caprolactam	11.967	113	17012m	24.430	ng/u1	
35) 4-Chloro-3-methylphenol	12.337	107	50412	24.113	ng/u1	97
36) 2-Methylnaphthalene	12.713	142	107601	23.754	ng/u1	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.931	142	109878	23.835	ng/ul	96
39) 1,2,4,5-Tetrachloroben...	13.078	216	66536	22.192	ng/ul	98
40) Hexachlorocyclopentadiene	13.060	237	25792	17.770	ng/ul	98
41) 2,4,6-Trichlorophenol	13.313	196	38855	21.609	ng/ul	95
42) 2,4,5-Trichlorophenol	13.389	196	42177	22.006	ng/ul	96
43) 1,1'-Biphenyl	13.706	154	150682	22.182	ng/ul#	95
44) 2-Chloronaphthalene	13.753	162	113716	22.012	ng/ul	98
45) 2-Nitroaniline	13.947	65	38093	22.577	ng/ul#	87
47) Dimethylphthalate	14.305	163	152260	22.428	ng/ul	100
48) 2,6-Dinitrotoluene	14.435	165	34800	23.408	ng/ul#	84
50) Acenaphthylene	14.593	152	194466	22.698	ng/ul	98
51) 3-Nitroaniline	14.769	138	24055	19.868	ng/ul#	96
52) Acenaphthene	14.934	153	128317	22.773	ng/ul	95
53) 2,4-Dinitrophenol	14.981	184	12750	17.343	ng/ul#	84
55) 4-Nitrophenol	15.081	109	22106	20.645	ng/ul	91
56) Dibenzofuran	15.269	168	185676	22.923	ng/ul	98
57) 2,4-Dinitrotoluene	15.222	165	48755	22.640	ng/ul#	89
58) 2,3,4,6-Tetrachlorophenol	15.498	232	39280	22.613	ng/ul#	88
59) Diethylphthalate	15.662	149	154635	22.533	ng/ul	96
61) Fluorene	15.915	166	156398	22.954	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.897	204	82470	22.241	ng/ul	98
63) 4-Nitroaniline	15.921	138	18909	16.266	ng/ul#	91
66) 4,6-Dinitro-2-methylph...	15.991	198	26955	21.014	ng/ul	92
67) N-Nitrosodiphenylamine	16.109	169	135022	22.958	ng/ul	98
68) 4-Bromophenyl-phenylether	16.796	248	56420	22.520	ng/ul#	86
69) Hexachlorobenzene	16.925	284	65352	22.733	ng/ul#	88
70) Atrazine	17.049	200	58959	22.747	ng/ul	96
71) Pentachlorophenol	17.272	266	21636	16.710	ng/ul	98
72) Phenanthrene	17.660	178	262005	23.305	ng/ul	98
74) Anthracene	17.754	178	263647	23.300	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.677	216	69924	21.176	ng/ul	99
76) Pentachlorobenzene	15.192	250	74424	23.608	ng/ul	99
77) Carbazole	18.018	167	240558	23.936	ng/ul	99
78) Di-n-butylphthalate	18.558	149	271260	22.695	ng/ul	99
80) Fluoranthene	19.663	202	342453	23.804	ng/ul#	91
82) Pyrene	20.027	202	332892	23.302	ng/ul#	90
83) Butylbenzylphthalate	20.891	149	115615	22.387	ng/ul	89
84) 3,3'-Dichlorobenzidine	21.813	252	98586	21.432	ng/ul#	95
85) Benzo(a)anthracene	21.913	228	318756	22.590	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.789	149	157558	21.765	ng/ul#	99
87) Chrysene	21.983	228	304301	22.495	ng/ul	98
89) Di-n-octyl phthalate	23.076	149	266166	21.785	ng/ul	100
90) Benzo(b)fluoranthene	24.292	252	334164	22.684	ng/ul#	96
91) Benzo(k)fluoranthene	24.362	252	303512	22.337	ng/ul#	96
93) Benzo(a)pyrene	25.238	252	312412	22.544	ng/ul#	95
94) Indeno(1,2,3-cd)pyrene	29.391	276	358775	22.767	ng/ul#	93
95) Dibenzo(a,h)anthracene	29.461	278	306351	22.774	ng/ul#	94
96) Benzo(g,h,i)perylene	30.654	276	299775m	22.657	ng/ul	

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

