

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072223\
 Data File : BG058400.D
 Acq On : 22 Jul 2023 13:10
 Operator : CG/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020533

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/24/2023
 Supervised By :mohammad ahmed 07/24/2023

Quant Time: Jul 23 01:37:06 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG071723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jul 18 02:19:39 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.894	152	47575	20.000	ng/u1	0.00
20) Naphthalene-d8	10.697	136	214705	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.533	164	142369	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.277	188	317527	20.000	ng/u1	0.00
79) Chrysene-d12	21.531	240	259553	20.000	ng/u1	0.00
88) Perylene-d12	24.668	264	319347	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.340	96	12387	9.583	ng/uL	0.00
4) Pyridine-d5	3.746	84	91657	23.890	ng/u1	0.00
7) Phenol-d5	7.060	99	105514	23.379	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.218	67	65193	23.111	ng/u1	0.00
11) 2-Chlorophenol-d4	7.424	132	74809	23.680	ng/u1	0.00
15) 4-Methylphenol-d8	8.599	113	78137	22.698	ng/u1	0.00
21) Nitrobenzene-d5	9.057	128	40013	24.863	ng/u1	0.00
24) 2-Nitrophenol-d4	9.780	143	42347	24.103	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.320	165	81484	24.193	ng/u1	0.00
31) 4-Chloroaniline-d4	10.832	131	108896	22.303	ng/u1	0.00
46) Dimethylphthalate-d6	13.934	166	239180	21.786	ng/u1	0.00
49) Acenaphthylene-d8	14.228	160	280634	24.392	ng/u1	0.00
54) 4-Nitrophenol-d4	14.739	143	32162	19.398	ng/u1	0.00
60) Fluorene-d10	15.526	176	208776	22.970	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.650	200	26653	16.475	ng/u1	0.00
73) Anthracene-d10	17.377	188	328912	23.973	ng/u1	0.00
81) Pyrene-d10	19.668	212	366786	23.926	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.451	264	356185	23.076	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.376	88	13642	9.304	ng/uL	91
5) Pyridine	3.769	79	99359	24.523	ng/u1	97
6) Benzaldehyde	7.036	77	36203m	19.863	ng/u1	
8) Phenol	7.089	94	111907	23.877	ng/u1	94
10) Bis(2-Chloroethyl)ether	7.312	93	82740	23.044	ng/u1	96
12) 2-Chlorophenol	7.459	128	78177	23.641	ng/u1	98
13) 2-Methylphenol	8.335	108	82524	22.592	ng/u1	96
14) 2,2'-oxybis(1-Chloropr...	8.417	45	135783m	23.077	ng/u1	
16) Acetophenone	8.716	105	132208	22.551	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.693	70	68615	21.385	ng/u1	98
18) 4-Methylphenol	8.664	108	90441	22.782	ng/u1	94
19) Hexachloroethane	8.969	117	31964	24.522	ng/u1	85
22) Nitrobenzene	9.098	77	101388	23.624	ng/u1	98
23) Isophorone	9.615	82	200581	20.846	ng/u1	99
25) 2-Nitrophenol	9.809	139	46169	24.602	ng/u1	98
26) 2,4-Dimethylphenol	9.868	107	95984	22.938	ng/u1	99
27) Bis(2-Chloroethoxy)met...	10.097	93	114419	22.453	ng/u1	99
29) 2,4-Dichlorophenol	10.344	162	76518	23.937	ng/u1	95
30) Naphthalene	10.744	128	269452	23.479	ng/u1	98
32) 4-Chloroaniline	10.855	127	113021	22.648	ng/u1	99
33) Hexachlorobutadiene	11.026	225	56202	24.587	ng/u1	98
34) Caprolactam	11.607	113	25568	19.257	ng/u1	98
35) 4-Chloro-3-methylphenol	11.983	107	89960	22.113	ng/u1	98
36) 2-Methylnaphthalene	12.353	142	176218	22.919	ng/u1	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.577	142	180481	22.903	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.724	216	104625	25.386	ng/ul	98
40) Hexachlorocyclopentadiene	12.700	237	47597	21.473	ng/ul	99
41) 2,4,6-Trichlorophenol	12.964	196	70031	25.102	ng/ul	99
42) 2,4,5-Trichlorophenol	13.041	196	74588	25.072	ng/ul	98
43) 1,1'-Biphenyl	13.364	154	234799	24.390	ng/ul	99
44) 2-Chloronaphthalene	13.411	162	191180	24.977	ng/ul	97
45) 2-Nitroaniline	13.617	65	63903	24.035	ng/ul	98
47) Dimethylphthalate	13.981	163	239344	21.705	ng/ul	99
48) 2,6-Dinitrotoluene	14.110	165	51097	23.979	ng/ul	96
50) Acenaphthylene	14.257	152	297065	23.920	ng/ul	100
51) 3-Nitroaniline	14.439	138	41028	23.103	ng/ul	89
52) Acenaphthene	14.598	153	205848	23.874	ng/ul	99
53) 2,4-Dinitrophenol	14.651	184	21094	18.600	ng/ul	95
55) 4-Nitrophenol	14.751	109	24449	19.147	ng/ul	95
56) Dibenzofuran	14.933	168	290405	23.654	ng/ul	100
57) 2,4-Dinitrotoluene	14.897	165	71371	23.222	ng/ul#	94
58) 2,3,4,6-Tetrachlorophenol	15.162	232	60864	22.143	ng/ul#	99
59) Diethylphthalate	15.344	149	240633	21.182	ng/ul	99
61) Fluorene	15.579	166	236669	23.506	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.573	204	123923	23.185	ng/ul	97
63) 4-Nitroaniline	15.603	138	28702m	17.862	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.661	198	27523	16.536	ng/ul	99
67) N-Nitrosodiphenylamine	15.785	169	194100	24.660	ng/ul	100
68) 4-Bromophenyl-phenylether	16.466	248	81370	24.194	ng/ul	97
69) Hexachlorobenzene	16.584	284	90340	23.805	ng/ul	96
70) Atrazine	16.731	200	73492	23.815	ng/ul	95
71) Pentachlorophenol	16.930	266	41113m	19.300	ng/ul	
72) Phenanthrene	17.324	178	362881	24.048	ng/ul	99
74) Anthracene	17.412	178	362917	23.957	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.335	216	106953	26.854	ng/uL	97
76) Pentachlorobenzene	14.850	250	111373	25.571	ng/uL	98
77) Carbazole	17.682	167	329510	25.093	ng/ul	99
78) Di-n-butylphthalate	18.235	149	408576	24.486	ng/ul	99
80) Fluoranthene	19.333	202	421030	23.974	ng/ul	99
82) Pyrene	19.698	202	424669	23.865	ng/ul	100
83) Butylbenzylphthalate	20.579	149	175221	25.006	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.431	252	147565	25.469	ng/ul	98
85) Benzo(a)anthracene	21.513	228	421532	24.162	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.413	149	257649	25.852	ng/ul	99
87) Chrysene	21.578	228	404786	24.462	ng/ul	99
89) Di-n-octyl phthalate	22.583	149	446467	26.276	ng/ul	100
90) Benzo(b)fluoranthene	23.670	252	429853	23.264	ng/ul	99
91) Benzo(k)fluoranthene	23.734	252	439196	23.833	ng/ul	99
93) Benzo(a)pyrene	24.516	252	387655	23.588	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	28.235	276	514267	23.751	ng/ul	99
95) Dibenzo(a,h)anthracene	28.294	278	423572	23.856	ng/ul	98
96) Benzo(g,h,i)perylene	29.357	276	416798	23.626	ng/ul	97

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

