

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060724\  
 Data File : BG061531.D  
 Acq On : 7 Jun 2024 13:26  
 Operator : MA/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD020522

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 06/08/2024  
 Supervised By :mohammad ahmed 06/10/2024

Quant Time: Jun 07 22:29:13 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG052124.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jun 06 12:15:45 2024  
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.871	152	29551	20.000	ng/ul	0.00
20) Naphthalene-d8	10.668	136	120782	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.516	164	97094	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.272	188	230404	20.000	ng/ul	0.01
79) Chrysene-d12	21.532	240	248947	20.000	ng/ul	0.01
88) Perylene-d12	24.634	264	285325	20.000	ng/ul	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.324	96	3895	7.376	ng/uL	-0.03
4) Pyridine-d5	3.735	84	28667	15.260	ng/ul	-0.03
7) Phenol-d5	7.066	99	45575	18.780	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.202	67	26465	17.351	ng/ul	-0.01
11) 2-Chlorophenol-d4	7.413	132	35529	19.782	ng/ul	0.00
15) 4-Methylphenol-d8	8.600	113	39661	19.167	ng/ul	0.00
21) Nitrobenzene-d5	9.035	128	19896	21.395	ng/ul	0.00
24) 2-Nitrophenol-d4	9.751	143	22020	20.233	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.304	165	46621	21.973	ng/ul	0.00
31) 4-Chloroaniline-d4	10.809	131	53881	19.411	ng/ul	0.00
46) Dimethylphthalate-d6	13.923	166	148162	19.675	ng/ul	0.00
49) Acenaphthylene-d8	14.211	160	163290	20.857	ng/ul	0.00
54) 4-Nitrophenol-d4	14.763	143	15822	16.995	ng/ul	0.00
60) Fluorene-d10	15.509	176	131763	20.267	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.662	200	24092	17.288	ng/ul	0.01
73) Anthracene-d10	17.366	188	213131	20.982	ng/ul	0.00
81) Pyrene-d10	19.663	212	258180	20.198	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.428	264	283122	20.640	ng/ul	0.03
Target Compounds						
2) 1,4-Dioxane	3.359	88	3898m	6.150	ng/uL	
5) Pyridine	3.753	79	27928	15.031	ng/ul	88
6) Benzaldehyde	7.013	77	21317	16.799	ng/ul	89
8) Phenol	7.090	94	44691	18.075	ng/ul	95
10) Bis(2-Chloroethyl)ether	7.295	93	33311	18.418	ng/ul	91
12) 2-Chlorophenol	7.442	128	37069	19.530	ng/ul	95
13) 2-Methylphenol	8.335	108	36463	19.028	ng/ul	99
14) 2,2'-oxybis(1-Chloropr...	8.394	45	74340	15.220	ng/ul#	95
16) Acetophenone	8.694	105	63606	18.011	ng/ul	92
17) N-Nitroso-di-n-propyla...	8.676	70	31367	16.154	ng/ul	91
18) 4-Methylphenol	8.659	108	39034	18.385	ng/ul	89
19) Hexachloroethane	8.947	117	16673	19.743	ng/ul	92
22) Nitrobenzene	9.076	77	49579	19.438	ng/ul	94
23) Isophorone	9.599	82	91818	17.697	ng/ul	99
25) 2-Nitrophenol	9.787	139	23990	20.308	ng/ul	95
26) 2,4-Dimethylphenol	9.857	107	46241	19.755	ng/ul	96
27) Bis(2-Chloroethoxy)met...	10.080	93	48339	18.586	ng/ul	98
29) 2,4-Dichlorophenol	10.333	162	43185	22.098	ng/ul	96
30) Naphthalene	10.721	128	134340	21.073	ng/ul	99
32) 4-Chloroaniline	10.833	127	52717	19.111	ng/ul	99
33) Hexachlorobutadiene	11.003	225	44458	23.274	ng/ul	96
34) Caprolactam	11.596	113	14146m	18.920	ng/ul	
35) 4-Chloro-3-methylphenol	11.984	107	48021	19.009	ng/ul	94
36) 2-Methylnaphthalene	12.331	142	93725	20.273	ng/ul	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.554	142	92702	19.539	ng/ul	95
39) 1,2,4,5-Tetrachloroben...	12.707	216	77791	24.267	ng/ul	96
40) Hexachlorocyclopentadiene	12.677	237	20950	14.479	ng/ul	93
41) 2,4,6-Trichlorophenol	12.954	196	43932	24.331	ng/ul	96
42) 2,4,5-Trichlorophenol	13.042	196	46761	24.592	ng/ul	97
43) 1,1'-Biphenyl	13.347	154	135549	21.590	ng/ul	99
44) 2-Chloronaphthalene	13.388	162	109657	22.194	ng/ul	99
45) 2-Nitroaniline	13.600	65	36029	17.668	ng/ul	92
47) Dimethylphthalate	13.970	163	151837	19.345	ng/ul	100
48) 2,6-Dinitrotoluene	14.099	165	30398	19.750	ng/ul	96
50) Acenaphthylene	14.240	152	177150	20.406	ng/ul	98
51) 3-Nitroaniline	14.428	138	26082	19.526	ng/ul	99
52) Acenaphthene	14.581	153	118694	20.842	ng/ul	98
53) 2,4-Dinitrophenol	14.663	184	14458m	17.714	ng/ul	
55) 4-Nitrophenol	14.781	109	21338	19.494	ng/ul	94
56) Dibenzofuran	14.916	168	165198	20.288	ng/ul	99
57) 2,4-Dinitrotoluene	14.898	165	44332	18.931	ng/ul	97
58) 2,3,4,6-Tetrachlorophenol	15.157	232	37468	21.605	ng/ul	96
59) Diethylphthalate	15.333	149	144397	18.630	ng/ul	99
61) Fluorene	15.568	166	142623	20.244	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.556	204	84371	20.420	ng/ul	98
63) 4-Nitroaniline	15.598	138	28028	20.146	ng/ul	89
66) 4,6-Dinitro-2-methylph...	15.674	198	24147	16.534	ng/ul#	95
67) N-Nitrosodiphenylamine	15.774	169	121591	20.997	ng/ul	97
68) 4-Bromophenyl-phenylether	16.455	248	61349	22.472	ng/ul	93
69) Hexachlorobenzene	16.579	284	68583	22.602	ng/ul	100
70) Atrazine	16.732	200	44609	19.465	ng/ul	95
71) Pentachlorophenol	16.937	266	23250m	22.014	ng/ul	
72) Phenanthrene	17.313	178	234996	21.014	ng/ul	99
74) Anthracene	17.401	178	240877	20.833	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.312	216	76544	25.133	ng/uL	93
76) Pentachlorobenzene	14.845	250	81299	24.144	ng/uL	96
77) Carbazole	17.677	167	195593	20.797	ng/ul	99
78) Di-n-butylphthalate	18.230	149	242618	20.589	ng/ul	99
80) Fluoranthene	19.328	202	307921	20.081	ng/ul	99
82) Pyrene	19.693	202	317077	19.921	ng/ul	98
83) Butylbenzylphthalate	20.580	149	108940	19.924	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.426	252	106940	20.238	ng/ul	98
85) Benzo(a)anthracene	21.514	228	351714	20.475	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.420	149	155597	19.225	ng/ul#	97
87) Chrysene	21.579	228	327149	20.684	ng/ul	99
89) Di-n-octyl phthalate	22.583	149	270861	18.975	ng/ul	100
90) Benzo(b)fluoranthene	23.653	252	344674	20.289	ng/ul	100
91) Benzo(k)fluoranthene	23.717	252	353816	20.516	ng/ul	97
93) Benzo(a)pyrene	24.493	252	327165	20.281	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	28.171	276	391584m	20.073	ng/ul	
95) Dibenzo(a,h)anthracene	28.212	278	321317	19.976	ng/ul	97
96) Benzo(g,h,i)perylene	29.270	276	298466m	19.232	ng/ul	

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

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