

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060324\
 Data File : BG061448.D
 Acq On : 4 Jun 2024 8:33
 Operator : MA/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

SSTD020512

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/04/2024
 Supervised By :mohammad ahmed 06/05/2024

Quant Time: Jun 04 09:18:35 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Thu May 30 22:54:48 2024

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.876	152	37241	20.000	ng/u1	0.00
20) Naphthalene-d8	10.673	136	145997	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.516	164	108475	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.265	188	252320	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.519	240	266014	20.000	ng/u1	0.00
88) Perylene-d12	24.616	264	284335	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.352	96	4949	7.437	ng/uL	0.02
4) Pyridine-d5	3.752	84	42939	18.137	ng/u1	0.01
7) Phenol-d5	7.072	99	58686	19.189	ng/u1	0.02
9) Bis-(2-Chloroethyl)eth...	7.207	67	34799	18.103	ng/u1	0.00
11) 2-Chlorophenol-d4	7.418	132	45551	20.125	ng/u1	0.00
15) 4-Methylphenol-d8	8.605	113	48356	18.543	ng/u1	0.01
21) Nitrobenzene-d5	9.034	128	23289	20.718	ng/u1	0.00
24) 2-Nitrophenol-d4	9.757	143	26842	20.404	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.309	165	55388	21.596	ng/u1	0.00
31) 4-Chloroaniline-d4	10.808	131	61055	18.196	ng/u1	0.00
46) Dimethylphthalate-d6	13.916	166	157102	18.674	ng/u1	0.00
49) Acenaphthylene-d8	14.204	160	179234	20.492	ng/u1	0.00
54) 4-Nitrophenol-d4	14.757	143	16115	15.493	ng/u1	0.02
60) Fluorene-d10	15.509	176	140270	19.312	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.656	200	22615	14.819	ng/u1	0.02
73) Anthracene-d10	17.365	188	234338	21.066	ng/u1	0.00
81) Pyrene-d10	19.657	212	274180	20.074	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.404	264	285342	20.874	ng/u1	0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.382	88	6213	7.779	ng/uL	92
5) Pyridine	3.769	79	43070	18.394	ng/u1	88
6) Benzaldehyde	7.019	77	29093	18.193	ng/u1	97
8) Phenol	7.095	94	59199	18.998	ng/u1	91
10) Bis(2-Chloroethyl)ether	7.301	93	43643	19.148	ng/u1	92
12) 2-Chlorophenol	7.453	128	47570	19.887	ng/u1	98
13) 2-Methylphenol	8.335	108	44766	18.537	ng/u1	97
14) 2,2'-oxybis(1-Chloropr...	8.405	45	103788	16.861	ng/u1#	94
16) Acetophenone	8.699	105	76792	17.255	ng/u1	94
17) N-Nitroso-di-n-propyla...	8.681	70	39262	16.045	ng/u1	87
18) 4-Methylphenol	8.664	108	48340	18.067	ng/u1	93
19) Hexachloroethane	8.952	117	19209	18.049	ng/u1	94
22) Nitrobenzene	9.075	77	60651	19.672	ng/u1	98
23) Isophorone	9.598	82	104030	16.588	ng/u1	99
25) 2-Nitrophenol	9.786	139	28509	19.965	ng/u1	99
26) 2,4-Dimethylphenol	9.856	107	55879	19.750	ng/u1	91
27) Bis(2-Chloroethoxy)met...	10.080	93	61271	19.490	ng/u1	98
29) 2,4-Dichlorophenol	10.338	162	50847	21.525	ng/u1	94
30) Naphthalene	10.720	128	159738	20.729	ng/u1	99
32) 4-Chloroaniline	10.832	127	61314	18.388	ng/u1	98
33) Hexachlorobutadiene	11.002	225	50209	21.746	ng/u1	94
34) Caprolactam	11.601	113	17753m	19.644	ng/u1	
35) 4-Chloro-3-methylphenol	11.983	107	53246	17.437	ng/u1	98
36) 2-Methylnaphthalene	12.330	142	106834	19.117	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.553	142	109005	19.007	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.706	216	86027	24.021	ng/ul	95
40) Hexachlorocyclopentadiene	12.677	237	7576	4.687	ng/ul	91
41) 2,4,6-Trichlorophenol	12.953	196	46447	23.025	ng/ul	97
42) 2,4,5-Trichlorophenol	13.041	196	47811	22.506	ng/ul	97
43) 1,1'-Biphenyl	13.341	154	152029	21.674	ng/ul	97
44) 2-Chloronaphthalene	13.388	162	124460	22.547	ng/ul	98
45) 2-Nitroaniline	13.593	65	43794	19.223	ng/ul	97
47) Dimethylphthalate	13.963	163	161485	18.416	ng/ul	100
48) 2,6-Dinitrotoluene	14.093	165	33412	19.430	ng/ul	99
50) Acenaphthylene	14.234	152	197260	20.338	ng/ul	99
51) 3-Nitroaniline	14.422	138	28460	19.071	ng/ul	97
52) Acenaphthene	14.580	153	134649	21.163	ng/ul	96
53) 2,4-Dinitrophenol	14.663	184	14527m	15.931	ng/ul	
55) 4-Nitrophenol	14.774	109	17573	14.370	ng/ul	87
56) Dibenzofuran	14.915	168	183529	20.175	ng/ul	97
57) 2,4-Dinitrotoluene	14.892	165	47495	18.154	ng/ul#	97
58) 2,3,4,6-Tetrachlorophenol	15.156	232	36884	19.037	ng/ul	94
59) Diethylphthalate	15.332	149	155867	18.000	ng/ul	100
61) Fluorene	15.562	166	153830	19.544	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.556	204	89559	19.401	ng/ul	98
63) 4-Nitroaniline	15.591	138	28584	18.390	ng/ul	89
66) 4,6-Dinitro-2-methylph...	15.667	198	24811	15.513	ng/ul	96
67) N-Nitrosodiphenylamine	15.773	169	133646	21.074	ng/ul	97
68) 4-Bromophenyl-phenylether	16.449	248	64822	21.682	ng/ul	99
69) Hexachlorobenzene	16.578	284	69684	20.970	ng/ul	99
70) Atrazine	16.725	200	44957	17.913	ng/ul#	92
71) Pentachlorophenol	16.936	266	28194m	24.377	ng/ul	
72) Phenanthrene	17.307	178	252625	20.628	ng/ul	99
74) Anthracene	17.401	178	262829	20.757	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.311	216	84073	25.207	ng/uL	98
76) Pentachlorobenzene	14.839	250	83890	22.750	ng/uL	95
77) Carbazole	17.671	167	213112	20.692	ng/ul	99
78) Di-n-butylphthalate	18.223	149	258180	20.006	ng/ul	99
80) Fluoranthene	19.322	202	330511	20.171	ng/ul	100
82) Pyrene	19.686	202	337579	19.848	ng/ul	99
83) Butylbenzylphthalate	20.573	149	118144	20.221	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.419	252	126309	22.370	ng/ul	98
85) Benzo(a)anthracene	21.502	228	371461	20.238	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.408	149	168939	19.534	ng/ul	99
87) Chrysene	21.566	228	347483	20.560	ng/ul	99
89) Di-n-octyl phthalate	22.571	149	299125	21.028	ng/ul	100
90) Benzo(b)fluoranthene	23.634	252	343573	20.295	ng/ul	99
91) Benzo(k)fluoranthene	23.699	252	377449	21.963	ng/ul	97
93) Benzo(a)pyrene	24.469	252	331775	20.639	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	28.141	276	345163m	17.755	ng/ul	
95) Dibenzo(a,h)anthracene	28.176	278	304561m	19.000	ng/ul	
96) Benzo(g,h,i)perylene	29.228	276	245668m	15.885	ng/ul	

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

