

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060624\
 Data File : BG061504.D
 Acq On : 6 Jun 2024 10:36
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

SSTD020519

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/07/2024
 Supervised By :mohammad ahmed 06/08/2024

Quant Time: Jun 06 12:18:12 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	7.876	152	36543	20.000	ng/u1	0.00
20) Naphthalene-d8	10.667	136	128505	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.510	164	91048	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.259	188	213905	20.000	ng/u1	0.00
79) Chrysene-d12	21.519	240	229090	20.000	ng/u1	0.00
88) Perylene-d12	24.610	264	258999	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.358	96	5506	8.432	ng/uL	0.00
4) Pyridine-d5	3.769	84	38334m	16.501	ng/u1	0.00
7) Phenol-d5	7.071	99	50200	16.728	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.212	67	30907	16.386	ng/u1	0.00
11) 2-Chlorophenol-d4	7.418	132	41722	18.786	ng/u1	0.00
15) 4-Methylphenol-d8	8.599	113	41852	16.356	ng/u1	0.00
21) Nitrobenzene-d5	9.040	128	20906	21.130	ng/u1	0.00
24) 2-Nitrophenol-d4	9.756	143	24762	21.385	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.309	165	47978	21.253	ng/u1	0.00
31) 4-Chloroaniline-d4	10.808	131	53881	18.244	ng/u1	0.00
46) Dimethylphthalate-d6	13.916	166	137942	19.534	ng/u1	0.00
49) Acenaphthylene-d8	14.204	160	151706	20.664	ng/u1	0.00
54) 4-Nitrophenol-d4	14.756	143	12487	14.303	ng/u1	0.00
60) Fluorene-d10	15.508	176	123437	20.247	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.649	200	23096	17.852	ng/u1	0.00
73) Anthracene-d10	17.359	188	197135	20.904	ng/u1	0.00
81) Pyrene-d10	19.657	212	235234	19.998	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.398	264	257344	20.668	ng/u1	0.00
Target Compounds						
2) 1,4-Dioxane	3.393	88	5716	7.293	ng/uL#	87
5) Pyridine	3.781	79	36722m	15.982	ng/u1	
6) Benzaldehyde	7.024	77	23935	15.254	ng/u1	93
8) Phenol	7.095	94	50714	16.586	ng/u1	91
10) Bis(2-Chloroethyl)ether	7.300	93	38979	17.428	ng/u1	91
12) 2-Chlorophenol	7.453	128	43250	18.427	ng/u1	96
13) 2-Methylphenol	8.335	108	39488	16.664	ng/u1	95
14) 2,2'-oxybis(1-Chloropr...	8.399	45	91575	15.161	ng/u1#	95
16) Acetophenone	8.699	105	68938	15.786	ng/u1	94
17) N-Nitroso-di-n-propyla...	8.681	70	34961	14.560	ng/u1#	94
18) 4-Methylphenol	8.664	108	42506	16.190	ng/u1	90
19) Hexachloroethane	8.951	117	20533	19.662	ng/u1	92
22) Nitrobenzene	9.081	77	55087	20.300	ng/u1	99
23) Isophorone	9.598	82	94263	17.076	ng/u1	100
25) 2-Nitrophenol	9.792	139	25867	20.581	ng/u1	94
26) 2,4-Dimethylphenol	9.856	107	48368	19.422	ng/u1	93
27) Bis(2-Chloroethoxy)met...	10.080	93	53666	19.395	ng/u1	98
29) 2,4-Dichlorophenol	10.338	162	44140	21.229	ng/u1	92
30) Naphthalene	10.720	128	139753	20.604	ng/u1	99
32) 4-Chloroaniline	10.832	127	53210	18.130	ng/u1	99
33) Hexachlorobutadiene	11.002	225	49201	24.210	ng/u1	99
34) Caprolactam	11.595	113	12662	15.918	ng/u1	100
35) 4-Chloro-3-methylphenol	11.977	107	45291	16.851	ng/u1	92
36) 2-Methylnaphthalene	12.330	142	93759	19.061	ng/u1	96

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.547	142	93053	18.434	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.706	216	75869	25.239	ng/ul	94
40) Hexachlorocyclopentadiene	12.677	237	27678	20.399	ng/ul	97
41) 2,4,6-Trichlorophenol	12.953	196	39356	23.244	ng/ul	96
42) 2,4,5-Trichlorophenol	13.041	196	39351	22.069	ng/ul#	94
43) 1,1'-Biphenyl	13.340	154	129289	21.960	ng/ul	96
44) 2-Chloronaphthalene	13.387	162	105365	22.741	ng/ul	99
45) 2-Nitroaniline	13.593	65	35095	18.353	ng/ul	97
47) Dimethylphthalate	13.963	163	139528	18.958	ng/ul	99
48) 2,6-Dinitrotoluene	14.092	165	28757	19.924	ng/ul	96
50) Acenaphthylene	14.233	152	170353	20.926	ng/ul	100
51) 3-Nitroaniline	14.422	138	22807	18.208	ng/ul	92
52) Acenaphthene	14.574	153	113688	21.289	ng/ul	97
53) 2,4-Dinitrophenol	14.662	184	12156m	15.882	ng/ul	
55) 4-Nitrophenol	14.774	109	16183	15.766	ng/ul	92
56) Dibenzofuran	14.909	168	155450	20.359	ng/ul	99
57) 2,4-Dinitrotoluene	14.892	165	40932	18.640	ng/ul#	98
58) 2,3,4,6-Tetrachlorophenol	15.156	232	32059	19.714	ng/ul#	92
59) Diethylphthalate	15.326	149	132632	18.249	ng/ul	99
61) Fluorene	15.561	166	132585	20.069	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.555	204	80063	20.664	ng/ul	95
63) 4-Nitroaniline	15.591	138	23042	17.662	ng/ul	97
66) 4,6-Dinitro-2-methylph...	15.667	198	24186	17.838	ng/ul#	95
67) N-Nitrosodiphenylamine	15.767	169	115032	21.396	ng/ul	98
68) 4-Bromophenyl-phenylether	16.449	248	56134	22.148	ng/ul	97
69) Hexachlorobenzene	16.578	284	61749	21.919	ng/ul	95
70) Atrazine	16.725	200	40263	18.923	ng/ul	97
71) Pentachlorophenol	16.930	266	16848m	17.183	ng/ul	
72) Phenanthrene	17.306	178	212797	20.497	ng/ul	99
74) Anthracene	17.395	178	221323	20.618	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.311	216	73855	26.120	ng/uL	98
76) Pentachlorobenzene	14.839	250	75069	24.014	ng/uL	95
77) Carbazole	17.671	167	177334	20.310	ng/ul	98
78) Di-n-butylphthalate	18.223	149	221814	20.275	ng/ul	98
80) Fluoranthene	19.322	202	281223	19.929	ng/ul	99
82) Pyrene	19.686	202	287006	19.595	ng/ul	98
83) Butylbenzylphthalate	20.573	149	99591	19.793	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.419	252	104636	21.518	ng/ul	97
85) Benzo(a)anthracene	21.501	228	321337	20.328	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.407	149	145680	19.559	ng/ul#	97
87) Chrysene	21.566	228	297620	20.448	ng/ul	99
89) Di-n-octyl phthalate	22.565	149	250336	19.320	ng/ul	100
90) Benzo(b)fluoranthene	23.634	252	317232	20.572	ng/ul	99
91) Benzo(k)fluoranthene	23.699	252	314086	20.063	ng/ul	97
93) Benzo(a)pyrene	24.469	252	298677	20.397	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	28.135	276	361415m	20.410	ng/ul	
95) Dibenzo(a,h)anthracene	28.170	278	296392	20.299	ng/ul	96
96) Benzo(g,h,i)perylene	29.222	276	281411	19.976	ng/ul	97

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

