

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071224\
 Data File : BG062059.D
 Acq On : 13 Jul 2024 4:14
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

SSTD020501

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/13/2024

Supervised By :mohammad ahmed 07/16/2024

Quant Time: Jul 13 05:25:42 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Thu Jul 11 12:11:32 2024

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.036	152	34222	20.000	ng/u1	0.00
20) Naphthalene-d8	10.850	136	172881	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.675	164	140737	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.419	188	367405	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.679	240	336408	20.000	ng/u1	# 0.00
88) Perylene-d12	24.887	264	396258	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.435	96	7387	8.112	ng/uL	0.00
4) Pyridine-d5	3.858	84	52680	18.813	ng/u1	0.00
7) Phenol-d5	7.207	99	69778	18.632	ng/u1	0.01
9) Bis-(2-Chloroethyl)eth...	7.366	67	38619	16.283	ng/u1	0.00
11) 2-Chlorophenol-d4	7.572	132	49454	19.251	ng/u1	0.00
15) 4-Methylphenol-d8	8.759	113	56721	19.236	ng/u1	0.01
21) Nitrobenzene-d5	9.211	128	25651	19.509	ng/u1	0.00
24) 2-Nitrophenol-d4	9.928	143	31723	21.128	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.474	165	63532	21.937	ng/u1	0.00
31) 4-Chloroaniline-d4	10.991	131	83937	19.963	ng/u1	0.00
46) Dimethylphthalate-d6	14.076	166	221978	19.185	ng/u1	0.00
49) Acenaphthylene-d8	14.370	160	234986	19.422	ng/u1	0.00
54) 4-Nitrophenol-d4	14.887	143	37709m	20.408	ng/u1	0.01
60) Fluorene-d10	15.662	176	198480	20.377	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.786	200	37425	19.396	ng/u1	0.00
73) Anthracene-d10	17.519	188	329009	19.180	ng/u1	0.00
81) Pyrene-d10	19.799	212	366734	18.534	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.663	264	393281	20.012	ng/u1	0.00
Target Compounds					Qvalue	
2) 1,4-Dioxane	3.471	88	8865m	8.819	ng/uL	
5) Pyridine	3.882	79	57547	20.039	ng/u1	96
6) Benzaldehyde	7.178	77	42905	21.646	ng/u1	86
8) Phenol	7.231	94	69675	18.171	ng/u1#	89
10) Bis(2-Chloroethyl)ether	7.460	93	49528	16.814	ng/u1	96
12) 2-Chlorophenol	7.607	128	49058	18.744	ng/u1	93
13) 2-Methylphenol	8.488	108	52014	19.006	ng/u1	93
14) 2,2'-oxybis(1-Chloropr...	8.559	45	103949	16.153	ng/u1	99
16) Acetophenone	8.864	105	92417	18.974	ng/u1	95
17) N-Nitroso-di-n-propyla...	8.847	70	47230	17.320	ng/u1	89
18) 4-Methylphenol	8.817	108	58025	18.933	ng/u1	100
19) Hexachloroethane	9.123	117	21587	19.013	ng/u1#	69
22) Nitrobenzene	9.252	77	76341	20.455	ng/u1	98
23) Isophorone	9.769	82	143691	17.042	ng/u1#	98
25) 2-Nitrophenol	9.963	139	29440	19.226	ng/u1#	75
26) 2,4-Dimethylphenol	10.022	107	79551	21.707	ng/u1	92
27) Bis(2-Chloroethoxy)met...	10.251	93	77342	16.656	ng/u1	99
29) 2,4-Dichlorophenol	10.504	162	57833	21.258	ng/u1	96
30) Naphthalene	10.903	128	182222	19.189	ng/u1	98
32) 4-Chloroaniline	11.015	127	81748	19.814	ng/u1	97
33) Hexachlorobutadiene	11.173	225	43026	21.017	ng/u1	94
34) Caprolactam	11.779	113	22375m	20.993	ng/u1	
35) 4-Chloro-3-methylphenol	12.137	107	82332	22.723	ng/u1	92
36) 2-Methylnaphthalene	12.501	142	138123	20.076	ng/u1	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.724	142	145430	20.341	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.865	216	83293	19.708	ng/ul	98
40) Hexachlorocyclopentadiene	12.836	237	42431	15.081	ng/ul#	85
41) 2,4,6-Trichlorophenol	13.112	196	55551	19.789	ng/ul#	83
42) 2,4,5-Trichlorophenol	13.189	196	62933	20.409	ng/ul	87
43) 1,1'-Biphenyl	13.506	154	198795	18.333	ng/ul	97
44) 2-Chloronaphthalene	13.553	162	153170	18.821	ng/ul	96
45) 2-Nitroaniline	13.759	65	68182	20.921	ng/ul	97
47) Dimethylphthalate	14.123	163	204720	18.395	ng/ul	97
48) 2,6-Dinitrotoluene	14.252	165	46450	22.001	ng/ul	96
50) Acenaphthylene	14.399	152	250172	18.840	ng/ul	96
51) 3-Nitroaniline	14.581	138	47324	23.028	ng/ul	97
52) Acenaphthene	14.740	153	181071	19.748	ng/ul	97
53) 2,4-Dinitrophenol	14.793	184	22396	20.304	ng/ul	91
55) 4-Nitrophenol	14.898	109	47134	22.350	ng/ul	87
56) Dibenzofuran	15.069	168	257052	19.836	ng/ul	92
57) 2,4-Dinitrotoluene	15.034	165	73107	23.612	ng/ul#	88
58) 2,3,4,6-Tetrachlorophenol	15.298	232	55684	19.998	ng/ul#	93
59) Diethylphthalate	15.480	149	239685	19.986	ng/ul	99
61) Fluorene	15.715	166	224740	20.393	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.709	204	109531	19.786	ng/ul#	86
63) 4-Nitroaniline	15.744	138	46179	22.145	ng/ul#	83
66) 4,6-Dinitro-2-methylph...	15.797	198	39381	18.964	ng/ul#	89
67) N-Nitrosodiphenylamine	15.921	169	187427	18.680	ng/ul	95
68) 4-Bromophenyl-phenylether	16.602	248	81518	19.557	ng/ul	99
69) Hexachlorobenzene	16.714	284	98291	20.508	ng/ul	96
70) Atrazine	16.867	200	80180	20.243	ng/ul	92
71) Pentachlorophenol	17.066	266	35687m	13.546	ng/ul	
72) Phenanthrene	17.460	178	367815	18.986	ng/ul	99
74) Anthracene	17.548	178	377569	18.859	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.471	216	83903	18.387	ng/ul	98
76) Pentachlorobenzene	14.987	250	103200	19.829	ng/ul	93
77) Carbazole	17.819	167	324600	19.265	ng/ul	99
78) Di-n-butylphthalate	18.365	149	414945	19.182	ng/ul	97
80) Fluoranthene	19.464	202	428445	18.296	ng/ul#	93
82) Pyrene	19.828	202	444337	18.369	ng/ul#	92
83) Butylbenzylphthalate	20.703	149	186762	18.397	ng/ul	92
84) 3,3'-Dichlorobenzidine	21.567	252	174162	21.761	ng/ul	96
85) Benzo(a)anthracene	21.655	228	467232	19.183	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.549	149	269147	18.476	ng/ul#	96
87) Chrysene	21.720	228	434982	19.077	ng/ul	98
89) Di-n-octyl phthalate	22.754	149	463588	19.150	ng/ul	100
90) Benzo(b)fluoranthene	23.858	252	480995	19.266	ng/ul	96
91) Benzo(k)fluoranthene	23.929	252	488582	19.625	ng/ul	94
93) Benzo(a)pyrene	24.734	252	459649	19.443	ng/ul#	96
94) Indeno(1,2,3-cd)pyrene	28.547	276	585878m	19.393	ng/ul	
95) Dibenzo(a,h)anthracene	28.612	278	490633m	19.664	ng/ul	
96) Benzo(g,h,i)perylene	29.693	276	452473m	18.826	ng/ul	

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

