

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071124\
 Data File : BG062033.D
 Acq On : 12 Jul 2024 8:01
 Operator : MA/JU
 Sample : P3124-03MSD
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

A4CB3MSD

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/12/2024
 Supervised By :mohammad ahmed 07/15/2024

Quant Time: Jul 12 09:20:39 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	8.035	152	52040	20.000	ng/u1	0.00
20) Naphthalene-d8	10.849	136	237489	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.674	164	167708	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.418	188	371691	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.678	240	334171	20.000	ng/u1	0.00
88) Perylene-d12	24.886	264	403291	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.440	96	4526m	3.268	ng/uL	0.00
4) Pyridine-d5	3.863	84	30756	7.223	ng/u1	0.00
7) Phenol-d5	7.201	99	122270	21.469	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.365	67	74206	20.576	ng/u1	0.00
11) 2-Chlorophenol-d4	7.571	132	88459	22.644	ng/u1	0.00
15) 4-Methylphenol-d8	8.752	113	91992	20.515	ng/u1	0.00
21) Nitrobenzene-d5	9.210	128	47859	26.497	ng/u1	0.00
24) 2-Nitrophenol-d4	9.933	143	54369	26.359	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.473	165	109698	27.573	ng/u1	0.00
31) 4-Chloroaniline-d4	10.990	131	83464	14.450	ng/u1	0.00
46) Dimethylphthalate-d6	14.075	166	353868	25.665	ng/u1	0.00
49) Acenaphthylene-d8	14.369	160	369680	25.641	ng/u1	0.00
54) 4-Nitrophenol-d4	14.886	143	58846	26.726	ng/u1	0.01
60) Fluorene-d10	15.661	176	319920	27.562	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.785	200	64883	33.238	ng/u1	0.00
73) Anthracene-d10	17.518	188	533510	30.743	ng/u1	0.00
81) Pyrene-d10	19.798	212	485518	24.701	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.668	264	404776	20.238	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.476	88	13662	8.938	ng/uL	99
5) Pyridine	3.875	79	50761	11.624	ng/u1	87
6) Benzaldehyde	7.177	77	54173	17.973	ng/u1	92
8) Phenol	7.230	94	164060	28.137	ng/u1#	90
10) Bis(2-Chloroethyl)ether	7.453	93	113677	25.379	ng/u1	96
12) 2-Chlorophenol	7.606	128	117675	29.567	ng/u1	98
13) 2-Methylphenol	8.487	108	113009	27.155	ng/u1	92
14) 2,2'-oxybis(1-Chloropr...	8.558	45	236297	24.147	ng/u1#	97
16) Acetophenone	8.863	105	202322	27.316	ng/u1	92
17) N-Nitroso-di-n-propyla...	8.840	70	102001	24.598	ng/u1#	90
18) 4-Methylphenol	8.811	108	126268	27.093	ng/u1	98
19) Hexachloroethane	9.128	117	34996	20.270	ng/u1#	80
22) Nitrobenzene	9.251	77	160056	31.218	ng/u1	97
23) Isophorone	9.768	82	294683	25.441	ng/u1#	96
25) 2-Nitrophenol	9.962	139	65770	31.267	ng/u1#	89
26) 2,4-Dimethylphenol	10.015	107	140160	27.841	ng/u1	94
27) Bis(2-Chloroethoxy)met...	10.250	93	155805	24.426	ng/u1	100
29) 2,4-Dichlorophenol	10.497	162	115878	31.007	ng/u1	92
30) Naphthalene	10.902	128	389433	29.852	ng/u1	98
32) 4-Chloroaniline	11.014	127	100282	17.694	ng/u1	95
33) Hexachlorobutadiene	11.172	225	91579	32.564	ng/u1	87
34) Caprolactam	11.778	113	39205m	26.776	ng/u1	
35) 4-Chloro-3-methylphenol	12.136	107	171043	34.365	ng/u1	93
36) 2-Methylnaphthalene	12.506	142	275452	29.145	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.724	142	285452	29.064	ng/ul	93
39) 1,2,4,5-Tetrachloroben...	12.865	216	157000	31.174	ng/ul	99
40) Hexachlorocyclopentadiene	12.835	237	37651	11.230	ng/ul#	92
41) 2,4,6-Trichlorophenol	13.111	196	114196	34.138	ng/ul	97
42) 2,4,5-Trichlorophenol	13.188	196	134044m	36.478	ng/ul	
43) 1,1'-Biphenyl	13.505	154	382402	29.593	ng/ul	98
44) 2-Chloronaphthalene	13.552	162	286512	29.544	ng/ul#	89
45) 2-Nitroaniline	13.758	65	145731	37.525	ng/ul	89
47) Dimethylphthalate	14.122	163	396335	29.885	ng/ul	99
48) 2,6-Dinitrotoluene	14.251	165	92791	36.882	ng/ul	92
50) Acenaphthylene	14.398	152	465670	29.429	ng/ul	96
51) 3-Nitroaniline	14.580	138	81927	33.454	ng/ul	99
52) Acenaphthene	14.739	153	333567	30.529	ng/ul	97
53) 2,4-Dinitrophenol	14.786	184	45929	34.943	ng/ul	91
55) 4-Nitrophenol	14.898	109	126609	50.381	ng/ul	86
56) Dibenzofuran	15.068	168	479876	31.075	ng/ul	97
57) 2,4-Dinitrotoluene	15.039	165	144973	39.292	ng/ul#	91
58) 2,3,4,6-Tetrachlorophenol	15.297	232	122377	36.881	ng/ul#	93
59) Diethylphthalate	15.485	149	456327	31.931	ng/ul	96
61) Fluorene	15.720	166	428959	32.663	ng/ul	95
62) 4-Chlorophenyl-phenyle...	15.708	204	212259	32.177	ng/ul	92
63) 4-Nitroaniline	15.744	138	94677	38.100	ng/ul#	82
66) 4,6-Dinitro-2-methylph...	15.796	198	78178	37.213	ng/ul#	83
67) N-Nitrosodiphenylamine	15.926	169	373187	36.765	ng/ul	98
68) 4-Bromophenyl-phenylether	16.601	248	159066	37.722	ng/ul	97
69) Hexachlorobenzene	16.713	284	133349	27.502	ng/ul	96
70) Atrazine	16.872	200	98872	24.675	ng/ul	97
71) Pentachlorophenol	17.066	266	92042	34.535	ng/ul	91
72) Phenanthrene	17.459	178	948445	48.394	ng/ul	99
74) Anthracene	17.553	178	757617	37.406	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.476	216	159453	34.541	ng/ul	97
76) Pentachlorobenzene	14.986	250	156118	29.651	ng/ul	96
77) Carbazole	17.823	167	565670	33.186	ng/ul	97
78) Di-n-butylphthalate	18.370	149	808374	36.939	ng/ul	99
80) Fluoranthene	19.469	202	1416634	60.901	ng/ul#	94
82) Pyrene	19.827	202	1032193	42.957	ng/ul#	94
83) Butylbenzylphthalate	20.702	149	367472	36.440	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.572	252	132539	16.672	ng/ul	98
85) Benzo(a)anthracene	21.660	228	1156528	47.800	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.554	149	638726	44.140	ng/ul#	96
87) Chrysene	21.725	228	1126296	49.726	ng/ul	97
89) Di-n-octyl phthalate	22.759	149	932137	37.833	ng/ul	100
90) Benzo(b)fluoranthene	23.875	252	1327117m	52.231	ng/ul	
91) Benzo(k)fluoranthene	23.940	252	1106770	43.681	ng/ul#	96
93) Benzo(a)pyrene	24.739	252	612782m	25.468	ng/ul	
94) Indeno(1,2,3-cd)pyrene	28.552	276	988156	32.138	ng/ul	97
95) Dibenzo(a,h)anthracene	28.617	278	987579	38.890	ng/ul	99
96) Benzo(g,h,i)perylene	29.686	276	350746m	14.339	ng/ul	

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

