

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082324\
 Data File : BG062564.D
 Acq On : 23 Aug 2024 12:28
 Operator : MA/JU
 Sample : P3696-02MS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

GCN87MS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/24/2024

Supervised By :mohammad ahmed 08/24/2024

Quant Time: Aug 23 13:34:38 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG081424.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Tue Aug 20 23:01:24 2024

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.938	152	75853	20.000	ng/u1	0.00
20) Naphthalene-d8	10.734	136	335952	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.570	164	204391	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.343	188	330215	20.000	ng/u1	# 0.04
79) Chrysene-d12	21.567	240	363301	20.000	ng/u1	0.02
88) Perylene-d12	24.662	264	420137	20.000	ng/u1	0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.403	96	4143	2.074	ng/uL	0.00
4) Pyridine-d5	3.814	84	6099	1.002	ng/u1	0.00
7) Phenol-d5	7.104	99	112135	14.860	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.268	67	67936	14.293	ng/u1	0.00
11) 2-Chlorophenol-d4	7.474	132	85238	16.536	ng/u1	0.00
15) 4-Methylphenol-d8	8.643	113	100871	15.948	ng/u1	0.00
21) Nitrobenzene-d5	9.089	128	45950	21.328	ng/u1	0.00
24) 2-Nitrophenol-d4	9.812	143	51363	23.966	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.352	165	104415	19.128	ng/u1	0.00
31) 4-Chloroaniline-d4	10.858	131	59292	6.849	ng/u1	0.00
46) Dimethylphthalate-d6	13.971	166	268345	16.878	ng/u1	0.00
49) Acenaphthylene-d8	14.259	160	312130	17.731	ng/u1	0.00
54) 4-Nitrophenol-d4	14.770	143	49367	19.465	ng/u1	0.02
60) Fluorene-d10	15.569	176	213438	14.885	ng/u1	0.01
65) 4,6-Dinitro-2-methylph...	15.686	200	39744	26.490	ng/u1	0.02
73) Anthracene-d10	17.437	188	294530	18.567	ng/u1	0.04
81) Pyrene-d10	19.710	212	284901	13.390	ng/u1	0.03
92) Benzo(a)pyrene-d12	24.439	264	238654	10.704	ng/u1	0.03
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.438	88	10824	5.075	ng/uL#	81
5) Pyridine	3.832	79	18027	2.814	ng/u1	97
6) Benzaldehyde	7.074	77	65601	16.770	ng/u1	97
8) Phenol	7.127	94	118897	15.016	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.356	93	82502	14.081	ng/u1	100
12) 2-Chlorophenol	7.503	128	87914	16.489	ng/u1	99
13) 2-Methylphenol	8.379	108	95675	16.057	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.455	45	190708	15.770	ng/u1	98
16) Acetophenone	8.755	105	163908	15.819	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.737	70	81037	14.821	ng/u1	97
18) 4-Methylphenol	8.708	108	106031	15.536	ng/u1	98
19) Hexachloroethane	9.019	117	27027	12.740	ng/u1	93
22) Nitrobenzene	9.130	77	116984	19.223	ng/u1	99
23) Isophorone	9.653	82	224668	15.632	ng/u1	99
25) 2-Nitrophenol	9.841	139	54350	22.699	ng/u1	98
26) 2,4-Dimethylphenol	9.906	107	104502	16.004	ng/u1	100
27) Bis(2-Chloroethoxy)met...	10.135	93	127935	16.003	ng/u1	100
29) 2,4-Dichlorophenol	10.382	162	102362	18.260	ng/u1	97
30) Naphthalene	10.781	128	328301	16.849	ng/u1	100
32) 4-Chloroaniline	10.887	127	56414	6.703	ng/u1	98
33) Hexachlorobutadiene	11.069	225	76475	17.947	ng/u1	98
34) Caprolactam	11.651	113	30056	13.294	ng/u1#	43
35) 4-Chloro-3-methylphenol	12.015	107	105982	16.158	ng/u1	99
36) 2-Methylnaphthalene	12.391	142	311913	22.668	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.608	142	297529	21.193	ng/ul#	95
39) 1,2,4,5-Tetrachloroben...	12.761	216	130078	19.058	ng/ul	97
40) Hexachlorocyclopentadiene	12.737	237	59214	16.925	ng/ul	99
41) 2,4,6-Trichlorophenol	12.996	196	82075	20.904	ng/ul	98
42) 2,4,5-Trichlorophenol	13.072	196	85948	20.850	ng/ul	97
43) 1,1'-Biphenyl	13.401	154	275530	17.794	ng/ul	98
44) 2-Chloronaphthalene	13.442	162	224296	18.719	ng/ul	97
45) 2-Nitroaniline	13.636	65	87653	28.243	ng/ul	90
47) Dimethylphthalate	14.018	163	272944	16.934	ng/ul#	96
48) 2,6-Dinitrotoluene	14.135	165	55409	24.069	ng/ul	91
50) Acenaphthylene	14.294	152	332466	17.640	ng/ul#	91
51) 3-Nitroaniline	14.464	138	30540	11.643	ng/ul#	90
52) Acenaphthene	14.635	153	254683	18.056	ng/ul	99
53) 2,4-Dinitrophenol	14.676	184	31471	21.673	ng/ul#	52
55) 4-Nitrophenol	14.782	109	39575	18.179	ng/ul#	59
56) Dibenzofuran	14.970	168	335265	16.897	ng/ul#	81
57) 2,4-Dinitrotoluene	14.929	165	60833	17.360	ng/ul#	95
58) 2,3,4,6-Tetrachlorophenol	15.205	232	310557	78.358	ng/ul#	84
59) Diethylphthalate	15.393	149	247668	15.397	ng/ul#	95
61) Fluorene	15.622	166	273062	17.460	ng/ul#	95
62) 4-Chlorophenyl-phenyle...	15.616	204	120483	14.992	ng/ul#	79
63) 4-Nitroaniline	15.628	138	36094	13.165	ng/ul	92
66) 4,6-Dinitro-2-methylph...	15.704	198	42961	25.413	ng/ul#	1
67) N-Nitrosodiphenylamine	15.839	169	537912	56.193	ng/ul#	50
68) 4-Bromophenyl-phenylether	16.509	248	68187	18.400	ng/ul#	51
69) Hexachlorobenzene	16.644	284	55624	12.883	ng/ul#	61
70) Atrazine	16.826	200	52248m	13.090	ng/ul	
71) Pentachlorophenol	17.043	266	6616093m	2625.870	ng/ul	
72) Phenanthrene	17.384	178	536912	28.936	ng/ul#	93
74) Anthracene	17.472	178	353487	18.597	ng/ul#	92
75) 1,2,3,4-Tetrachloroben...	13.366	216	118395	25.081	ng/ul	99
76) Pentachlorobenzene	14.899	250	96174	19.422	ng/ul	93
77) Carbazole	17.731	167	230018	14.406	ng/ul#	80
78) Di-n-butylphthalate	18.289	149	362391	18.973	ng/ul#	92
80) Fluoranthene	19.381	202	604526	25.433	ng/ul#	97
82) Pyrene	19.746	202	1152004	44.966	ng/ul	98
83) Butylbenzylphthalate	20.621	149	173194	20.070	ng/ul#	84
85) Benzo(a)anthracene	21.549	228	540378	20.493	ng/ul	96
86) Bis(2-ethylhexyl)phtha...	21.461	149	275264	21.832	ng/ul#	98
87) Chrysene	21.614	228	753104	30.125	ng/ul	97
89) Di-n-octyl phthalate	22.624	149	476233	21.254	ng/ul	100
90) Benzo(b)fluoranthene	23.675	252	471152m	18.564	ng/ul	
91) Benzo(k)fluoranthene	23.740	252	439813	17.168	ng/ul	99
93) Benzo(a)pyrene	24.510	252	195944	8.189	ng/ul#	98
94) Indeno(1,2,3-cd)pyrene	28.181	276	391738	12.881	ng/ul#	95
95) Dibenzo(a,h)anthracene	28.222	278	460049	18.663	ng/ul#	93
96) Benzo(g,h,i)perylene	29.244	276	43373m	1.854	ng/ul	

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

