

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091324\
 Data File : BG062800.D
 Acq On : 13 Sep 2024 22:55
 Operator : JU/RC
 Sample : P3898-22MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

DDC59MSD

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/16/2024

Supervised By :mohammad ahmed 09/17/2024

Quant Time: Sep 14 01:31:17 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG090924.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Tue Sep 10 01:28:17 2024

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.917	152	61371	20.000	ng/u1	0.01
20) Naphthalene-d8	10.708	136	200470	20.000	ng/u1	# 0.01
38) Acenaphthene-d10	14.545	164	194777	20.000	ng/u1	0.01
64) Phenanthrene-d10	17.336	188	391240	20.000	ng/u1	0.06
79) Chrysene-d12	21.531	240	419130	20.000	ng/u1	0.00
88) Perylene-d12	24.598	264	481796	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.358	96	2641	1.945	ng/uL	0.00
4) Pyridine-d5	3.775	84	6125	1.417	ng/u1	0.00
7) Phenol-d5	7.112	99	74739	13.888	ng/u1	0.04
9) Bis-(2-Chloroethyl)eth...	7.242	67	58915	18.260	ng/u1	0.00
11) 2-Chlorophenol-d4	7.465	132	50615	12.912	ng/u1	0.03
15) 4-Methylphenol-d8	8.640	113	43166	9.625	ng/u1	0.03
21) Nitrobenzene-d5	9.075	128	18420m	12.856	ng/u1	0.02
24) 2-Nitrophenol-d4	9.792	143	30574	19.512	ng/u1	0.01
28) 2,4-Dichlorophenol-d3	10.361	165	70045m	20.526	ng/u1	0.04
31) 4-Chloroaniline-d4	10.826	131	172917	36.864	ng/u1	0.00
46) Dimethylphthalate-d6	13.951	166	187495	12.500	ng/u1	0.01
49) Acenaphthylene-d8	14.245	160	217074	13.031	ng/u1	0.02
54) 4-Nitrophenol-d4	14.774	143	65960	25.887	ng/u1	0.04
60) Fluorene-d10	15.549	176	177194	13.110	ng/u1	0.02
65) 4,6-Dinitro-2-methylph...	15.661	200	37830m	16.810	ng/u1	0.02
73) Anthracene-d10	17.424	188	269167m	14.578	ng/u1	0.05
81) Pyrene-d10	19.680	212	280493	11.893	ng/u1	0.01
92) Benzo(a)pyrene-d12	24.386	264	238647	9.381	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.399	88	7147	4.697	ng/uL#	74
6) Benzaldehyde	7.065	77	181824	61.452	ng/u1#	1
8) Phenol	7.142	94	66000	11.798	ng/u1#	1
10) Bis(2-Chloroethyl)ether	7.336	93	54743	12.945	ng/u1#	82
12) 2-Chlorophenol	7.494	128	54577	13.617	ng/u1	96
13) 2-Methylphenol	8.381	108	49786	11.868	ng/u1	94
14) 2,2'-oxybis(1-Chloropr...	8.440	45	96684	12.702	ng/u1#	43
16) Acetophenone	8.728	105	1736667	238.268	ng/u1#	37
17) N-Nitroso-di-n-propyla...	8.699	70	215753	56.546	ng/u1#	10
18) 4-Methylphenol	8.710	108	52715	11.170	ng/u1	98
19) Hexachloroethane	9.028	117	246565	152.816	ng/u1#	1
22) Nitrobenzene	9.116	77	103148	26.612	ng/u1#	73
23) Isophorone	9.639	82	466115	58.819	ng/u1#	79
25) 2-Nitrophenol	9.827	139	37569	21.753	ng/u1#	24
26) 2,4-Dimethylphenol	9.927	107	70240m	19.033	ng/u1	
27) Bis(2-Chloroethoxy)met...	10.115	93	88975	20.090	ng/u1#	64
29) 2,4-Dichlorophenol	10.385	162	95773	28.495	ng/u1#	92
30) Naphthalene	10.767	128	1142723	106.311	ng/u1	98
32) 4-Chloroaniline	10.843	127	349922m	75.009	ng/u1	
33) Hexachlorobutadiene	11.049	225	61065	21.809	ng/u1	99
34) Caprolactam	11.636	113	32198	25.992	ng/u1#	1
35) 4-Chloro-3-methylphenol	12.036	107	100251m	27.343	ng/u1	
36) 2-Methylnaphthalene	12.383	142	1409048	177.617	ng/u1	96
37) 1-Methylnaphthalene	12.600	142	1013720	124.749	ng/u1#	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) 1,2,4,5-Tetrachloroben...	12.741	216	103097	15.396	ng/ul#	97
40) Hexachlorocyclopentadiene	12.717	237	46632	13.610	ng/ul#	86
41) 2,4,6-Trichlorophenol	13.000	196	87941	21.682	ng/ul	98
42) 2,4,5-Trichlorophenol	13.082	196	86372	19.834	ng/ul	94
43) 1,1'-Biphenyl	13.376	154	309465	22.594	ng/ul	93
44) 2-Chloronaphthalene	13.423	162	154534	13.875	ng/ul	94
45) 2-Nitroaniline	13.634	65	38551	12.614	ng/ul	89
47) Dimethylphthalate	13.998	163	190604	12.339	ng/ul#	96
48) 2,6-Dinitrotoluene	14.116	165	84226m	30.950	ng/ul	
50) Acenaphthylene	14.269	152	252728	14.370	ng/ul#	82
51) 3-Nitroaniline	14.451	138	16896	6.201	ng/ul#	90
52) Acenaphthene	14.609	153	227540	18.265	ng/ul	98
53) 2,4-Dinitrophenol	14.680	184	21033	11.705	ng/ul#	1
55) 4-Nitrophenol	14.750	109	35947	15.695	ng/ul#	39
56) Dibenzofuran	14.950	168	274236	14.819	ng/ul#	72
57) 2,4-Dinitrotoluene	14.915	165	49537	11.643	ng/ul#	86
58) 2,3,4,6-Tetrachlorophenol	15.209	232	4153059	941.068	ng/ul#	97
59) Diethylphthalate	15.367	149	182621	11.984	ng/ul#	90
61) Fluorene	15.602	166	306769	21.101	ng/ul#	94
62) 4-Chlorophenyl-phenyle...	15.591	204	106727	12.515	ng/ul#	64
63) 4-Nitroaniline	15.608	138	24939	8.506	ng/ul	84
66) 4,6-Dinitro-2-methylph...	15.679	198	44737m	19.177	ng/ul	
67) N-Nitrosodiphenylamine	15.808	169	294622m	29.363	ng/ul	
68) 4-Bromophenyl-phenylether	16.478	248	69270m	15.386	ng/ul	
69) Hexachlorobenzene	16.607	284	73544m	14.307	ng/ul	
70) Atrazine	16.883	200	47532m	10.636	ng/ul	
71) Pentachlorophenol	17.036	266	22274315m	7244.674	ng/ul	
72) Phenanthrene	17.371	178	791403	38.898	ng/ul	97
74) Anthracene	17.459	178	313287m	15.104	ng/ul	
75) 1,2,3,4-Tetrachloroben...	13.346	216	95051	17.790	ng/ul	97
76) Pentachlorobenzene	14.874	250	98115	16.572	ng/ul	99
77) Carbazole	17.706	167	210057m	12.212	ng/ul	
78) Di-n-butylphthalate	18.258	149	320977m	15.779	ng/ul	
80) Fluoranthene	19.351	202	388700	14.880	ng/ul	99
82) Pyrene	19.709	202	344534	12.253	ng/ul	98
83) Butylbenzylphthalate	20.591	149	133359	15.976	ng/ul	91
84) 3,3'-Dichlorobenzidine	21.431	252	18041	2.045	ng/ul#	92
85) Benzo(a)anthracene	21.513	228	404763	13.885	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.425	149	243434	19.806	ng/ul	100
87) Chrysene	21.578	228	388245	14.039	ng/ul	98
89) Di-n-octyl phthalate	22.582	149	341250	15.227	ng/ul	100
90) Benzo(b)fluoranthene	23.628	252	400183	13.453	ng/ul#	97
91) Benzo(k)fluoranthene	23.693	252	403238	13.239	ng/ul	97
93) Benzo(a)pyrene	24.451	252	207536	7.397	ng/ul#	95
94) Indeno(1,2,3-cd)pyrene	28.070	276	377117	10.909	ng/ul	99
95) Dibenzo(a,h)anthracene	28.123	278	400456	14.422	ng/ul	96
96) Benzo(g,h,i)perylene	29.134	276	37520	1.405	ng/ul#	95

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

