

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091324\
 Data File : BG062799.D
 Acq On : 13 Sep 2024 22:15
 Operator : JU/RC
 Sample : P3898-21MS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DDC59MS

Quant Time: Sep 14 01:32:18 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

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/16/2024
 Supervised By :mohammad ahmed 09/17/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.918	152	58776	20.000	ng/u1	0.01
20) Naphthalene-d8	10.715	136	198963	20.000	ng/u1	# 0.02
38) Acenaphthene-d10	14.551	164	191627	20.000	ng/u1	0.02
64) Phenanthrene-d10	17.342	188	393297m	20.000	ng/u1	0.07
79) Chrysene-d12	21.532	240	416220	20.000	ng/u1	0.00
88) Perylene-d12	24.599	264	476333	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.359	96	3741	2.877	ng/uL	0.00
4) Pyridine-d5	3.782	84	9261	2.238	ng/u1	0.01
7) Phenol-d5	7.119	99	92155	17.880	ng/u1	0.05
9) Bis-(2-Chloroethyl)eth...	7.242	67	72987	23.620	ng/u1	0.00
11) 2-Chlorophenol-d4	7.466	132	60599	16.142	ng/u1	0.03
15) 4-Methylphenol-d8	8.647	113	61719	14.370	ng/u1	0.04
21) Nitrobenzene-d5	9.076	128	21526	15.138	ng/u1	0.02
24) 2-Nitrophenol-d4	9.792	143	35886	23.075	ng/u1	0.01
28) 2,4-Dichlorophenol-d3	10.368	165	80496	23.767	ng/u1	0.05
31) 4-Chloroaniline-d4	10.826	131	207532	44.578	ng/u1	0.00
46) Dimethylphthalate-d6	13.952	166	216184	14.650	ng/u1	0.01
49) Acenaphthylene-d8	14.246	160	251959	15.374	ng/u1	0.02
54) 4-Nitrophenol-d4	14.775	143	80251	32.013	ng/u1	0.04
60) Fluorene-d10	15.550	176	187902	14.131	ng/u1	0.02
65) 4,6-Dinitro-2-methylph...	15.668	200	45286	20.017	ng/u1	0.02
73) Anthracene-d10	17.430	188	301715	16.255	ng/u1	0.05
81) Pyrene-d10	19.681	212	323584	13.816	ng/u1	0.01
92) Benzo(a)pyrene-d12	24.387	264	280929	11.169	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.394	88	8685	5.960	ng/uL#	90
6) Benzaldehyde	7.066	77	216741	76.488	ng/u1#	1
8) Phenol	7.148	94	84922	15.851	ng/u1#	1
10) Bis(2-Chloroethyl)ether	7.336	93	67622	16.696	ng/u1#	80
12) 2-Chlorophenol	7.495	128	63604	16.570	ng/u1	99
13) 2-Methylphenol	8.382	108	60595	15.083	ng/u1	91
14) 2,2'-oxybis(1-Chloropr...	8.441	45	117517	16.121	ng/u1#	37
16) Acetophenone	8.735	105	2057664	294.772	ng/u1#	38
17) N-Nitroso-di-n-propyla...	8.700	70	233745	63.966	ng/u1#	10
18) 4-Methylphenol	8.711	108	65698	14.535	ng/u1	95
19) Hexachloroethane	9.029	117	297627	192.608	ng/u1#	1
22) Nitrobenzene	9.117	77	126265	32.823	ng/u1#	75
23) Isophorone	9.645	82	540079	68.669	ng/u1#	75
25) 2-Nitrophenol	9.822	139	42228	24.636	ng/u1#	1
26) 2,4-Dimethylphenol	9.928	107	79962	21.832	ng/u1#	60
27) Bis(2-Chloroethoxy)met...	10.121	93	109030	24.805	ng/u1#	67
29) 2,4-Dichlorophenol	10.392	162	111800	33.515	ng/u1#	90
30) Naphthalene	10.768	128	1290299	120.950	ng/u1	98
32) 4-Chloroaniline	10.844	127	407214m	87.951	ng/u1	
33) Hexachlorobutadiene	11.056	225	71704	25.803	ng/u1	94
34) Caprolactam	11.643	113	38560	31.364	ng/u1#	1
35) 4-Chloro-3-methylphenol	12.043	107	108174m	29.727	ng/u1	
36) 2-Methylnaphthalene	12.383	142	1633356	207.451	ng/u1	96
37) 1-Methylnaphthalene	12.601	142	1166500	144.637	ng/u1#	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) 1,2,4,5-Tetrachloroben...	12.748	216	118978	18.060	ng/ul#	95
40) Hexachlorocyclopentadiene	12.724	237	58808	17.446	ng/ul#	94
41) 2,4,6-Trichlorophenol	13.006	196	101705	25.488	ng/ul	98
42) 2,4,5-Trichlorophenol	13.083	196	101145	23.608	ng/ul	99
43) 1,1'-Biphenyl	13.376	154	355310	26.367	ng/ul	93
44) 2-Chloronaphthalene	13.423	162	180479	16.471	ng/ul	95
45) 2-Nitroaniline	13.641	65	44542	14.814	ng/ul#	82
47) Dimethylphthalate	13.999	163	225572	14.843	ng/ul#	96
48) 2,6-Dinitrotoluene	14.123	165	88071	32.895	ng/ul#	85
50) Acenaphthylene	14.275	152	286744	16.572	ng/ul#	79
51) 3-Nitroaniline	14.452	138	18884	7.045	ng/ul#	84
52) Acenaphthene	14.610	153	257941	21.046	ng/ul	96
53) 2,4-Dinitrophenol	14.681	184	23239	13.145	ng/ul#	1
55) 4-Nitrophenol	14.751	109	54235m	24.069	ng/ul	
56) Dibenzofuran	14.951	168	314818	17.291	ng/ul#	72
57) 2,4-Dinitrotoluene	14.916	165	64261	15.351	ng/ul#	81
58) 2,3,4,6-Tetrachlorophenol	15.221	232	4722455	1087.682	ng/ul#	98
59) Diethylphthalate	15.368	149	216334m	14.430	ng/ul	
61) Fluorene	15.603	166	348339	24.355	ng/ul#	94
62) 4-Chlorophenyl-phenyle...	15.591	204	122121	14.556	ng/ul#	62
63) 4-Nitroaniline	15.615	138	23028m	7.983	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.685	198	55241m	23.556	ng/ul	
67) N-Nitrosodiphenylamine	15.809	169	334889m	33.201	ng/ul	
68) 4-Bromophenyl-phenylether	16.485	248	78754	17.401	ng/ul#	68
69) Hexachlorobenzene	16.608	284	81711	15.813	ng/ul#	57
70) Atrazine	16.902	200	50907m	11.332	ng/ul	
71) Pentachlorophenol	17.043	266	24126789m	7806.146	ng/ul	
72) Phenanthrene	17.383	178	912669	44.624	ng/ul	97
74) Anthracene	17.466	178	375164m	17.993	ng/ul	
75) 1,2,3,4-Tetrachloroben...	13.347	216	113514	21.135	ng/ul	98
76) Pentachlorobenzene	14.881	250	114642	19.262	ng/ul	98
77) Carbazole	17.712	167	247927m	14.339	ng/ul	
78) Di-n-butylphthalate	18.259	149	354366	17.329	ng/ul#	96
80) Fluoranthene	19.352	202	439468	16.941	ng/ul	97
82) Pyrene	19.710	202	400426	14.340	ng/ul	98
83) Butylbenzylphthalate	20.591	149	154187	18.601	ng/ul	92
84) 3,3'-Dichlorobenzidine	21.432	252	18759	2.141	ng/ul#	81
85) Benzo(a)anthracene	21.514	228	474387	16.387	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.426	149	279372	22.889	ng/ul	99
87) Chrysene	21.579	228	452736	16.485	ng/ul	100
89) Di-n-octyl phthalate	22.583	149	399547	18.033	ng/ul	100
90) Benzo(b)fluoranthene	23.629	252	460186	15.648	ng/ul#	97
91) Benzo(k)fluoranthene	23.694	252	476138	15.812	ng/ul	97
93) Benzo(a)pyrene	24.458	252	243621	8.783	ng/ul#	96
94) Indeno(1,2,3-cd)pyrene	28.071	276	439264	12.853	ng/ul	97
95) Dibenzo(a,h)anthracene	28.124	278	470297	17.132	ng/ul	99
96) Benzo(g,h,i)perylene	29.146	276	46068m	1.745	ng/ul	

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

