

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071024\
 Data File : BG061997.D
 Acq On : 10 Jul 2024 13:54
 Operator : MA/JU
 Sample : P3109-07MS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 H0HC4MS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/11/2024
 Supervised By :mohammad ahmed 07/11/2024

Quant Time: Jul 10 14:40:46 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 03 02:38:46 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.096	152	51010	20.000	ng/u1	0.00
20) Naphthalene-d8	10.911	136	249057	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.718	164	175254	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.462	188	373075	20.000	ng/u1	0.00
79) Chrysene-d12	21.721	240	337701	20.000	ng/u1	0.00
88) Perylene-d12	24.965	264	410816	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.478	96	2914m	2.147	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	7.250	99	54348	9.736	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.415	67	100544	28.442	ng/u1	0.00
11) 2-Chlorophenol-d4	7.626	132	119096	31.102	ng/u1	0.00
15) 4-Methylphenol-d8	8.801	113	91079	20.722	ng/u1	0.00
21) Nitrobenzene-d5	9.265	128	72041	38.033	ng/u1	0.00
24) 2-Nitrophenol-d4	9.988	143	80316	37.130	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.529	165	157769	37.814	ng/u1	0.00
31) 4-Chloroaniline-d4	11.040	131	36174	5.972	ng/u1	0.00
46) Dimethylphthalate-d6	14.124	166	541254	37.566	ng/u1	0.00
49) Acenaphthylene-d8	14.418	160	562918	37.364	ng/u1	0.00
54) 4-Nitrophenol-d4	14.918	143	29550	12.843	ng/u1	0.00
60) Fluorene-d10	15.711	176	459915	37.917	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.828	200	95115	48.545	ng/u1	0.00
73) Anthracene-d10	17.562	188	710849	40.811	ng/u1	0.00
81) Pyrene-d10	19.841	212	805769	40.566	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.741	264	863250	42.369	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.519	88	6065m	4.048	ng/uL	
6) Benzaldehyde	7.232	77	64460	21.818	ng/u1	93
8) Phenol	7.279	94	58004	10.149	ng/u1#	84
10) Bis(2-Chloroethyl)ether	7.515	93	121495	27.672	ng/u1	91
12) 2-Chlorophenol	7.661	128	121580	31.165	ng/u1	94
13) 2-Methylphenol	8.537	108	100204	24.564	ng/u1	97
14) 2,2'-oxybis(1-Chloropr...	8.619	45	252740	26.348	ng/u1#	96
16) Acetophenone	8.925	105	224686	30.947	ng/u1	95
17) N-Nitroso-di-n-propyla...	8.901	70	118703	29.204	ng/u1	92
18) 4-Methylphenol	8.866	108	100840	22.074	ng/u1	98
19) Hexachloroethane	9.177	117	54538	32.226	ng/u1	89
22) Nitrobenzene	9.307	77	182050	33.859	ng/u1	99
23) Isophorone	9.829	82	359977	29.635	ng/u1#	97
25) 2-Nitrophenol	10.023	139	80620	36.547	ng/u1	97
26) 2,4-Dimethylphenol	10.070	107	132091	25.020	ng/u1	96
27) Bis(2-Chloroethoxy)met...	10.311	93	201585	30.135	ng/u1	98
29) 2,4-Dichlorophenol	10.558	162	145361	37.090	ng/u1	88
30) Naphthalene	10.963	128	460964	33.694	ng/u1	97
32) 4-Chloroaniline	11.069	127	52861m	8.894	ng/u1	
33) Hexachlorobutadiene	11.228	225	108488	36.785	ng/u1	93
34) Caprolactam	11.903	113	6404m	4.171	ng/u1	
35) 4-Chloro-3-methylphenol	12.180	107	191845	36.754	ng/u1	88
36) 2-Methylnaphthalene	12.556	142	344741	34.782	ng/u1	95
37) 1-Methylnaphthalene	12.779	142	358280	34.785	ng/u1	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) 1,2,4,5-Tetrachloroben...	12.920	216	207513	39.429	ng/ul	99
40) Hexachlorocyclopentadiene	12.891	237	62495	17.838	ng/ul#	93
41) 2,4,6-Trichlorophenol	13.155	196	140318	40.141	ng/ul	98
42) 2,4,5-Trichlorophenol	13.231	196	155765	40.564	ng/ul	90
43) 1,1'-Biphenyl	13.555	154	482741	35.750	ng/ul	99
44) 2-Chloronaphthalene	13.602	162	368195	36.332	ng/ul	96
45) 2-Nitroaniline	13.807	65	174759	43.062	ng/ul	95
47) Dimethylphthalate	14.171	163	509209	36.743	ng/ul	99
48) 2,6-Dinitrotoluene	14.295	165	110855	42.165	ng/ul	98
50) Acenaphthylene	14.448	152	590727	35.725	ng/ul	99
51) 3-Nitroaniline	14.624	138	87663	34.255	ng/ul	92
52) Acenaphthene	14.782	153	412144	36.097	ng/ul	96
53) 2,4-Dinitrophenol	14.829	184	58439	42.546	ng/ul	94
55) 4-Nitrophenol	14.935	109	40968m	15.600	ng/ul	
56) Dibenzofuran	15.117	168	604854	37.482	ng/ul	95
57) 2,4-Dinitrotoluene	15.082	165	169601	43.988	ng/ul	91
58) 2,3,4,6-Tetrachlorophenol	15.341	232	136805	39.454	ng/ul#	98
59) Diethylphthalate	15.529	149	543743	36.410	ng/ul	95
61) Fluorene	15.764	166	509069	37.094	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.752	204	261621	37.953	ng/ul	94
63) 4-Nitroaniline	15.787	138	102364	39.420	ng/ul	88
66) 4,6-Dinitro-2-methylph...	15.840	198	99263	47.074	ng/ul#	85
67) N-Nitrosodiphenylamine	15.969	169	439238	43.112	ng/ul	100
68) 4-Bromophenyl-phenylether	16.645	248	187187	44.227	ng/ul	96
69) Hexachlorobenzene	16.762	284	219448	45.091	ng/ul	93
70) Atrazine	16.921	200	119147	29.624	ng/ul	93
71) Pentachlorophenol	17.109	266	119621	44.716	ng/ul	93
72) Phenanthrene	17.503	178	796579	40.494	ng/ul	99
74) Anthracene	17.597	178	795832	39.147	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.525	216	219406	47.351	ng/ul	99
76) Pentachlorobenzene	15.035	250	219474	41.529	ng/ul	97
77) Carbazole	17.867	167	714239	41.747	ng/ul	97
78) Di-n-butylphthalate	18.408	149	900665	41.003	ng/ul	99
80) Fluoranthene	19.524	202	930665	39.591	ng/ul#	94
82) Pyrene	19.871	202	975603	40.178	ng/ul#	95
83) Butylbenzylphthalate	20.740	149	400253	39.276	ng/ul	91
84) 3,3'-Dichlorobenzidine	21.616	252	225388	28.054	ng/ul	98
85) Benzo(a)anthracene	21.704	228	1000112	40.903	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.598	149	567840	38.831	ng/ul#	98
87) Chrysene	21.768	228	955879	41.761	ng/ul	98
89) Di-n-octyl phthalate	22.814	149	999890	39.839	ng/ul	100
90) Benzo(b)fluoranthene	23.936	252	1063678	41.096	ng/ul	97
91) Benzo(k)fluoranthene	24.001	252	1069881m	41.452	ng/ul	
93) Benzo(a)pyrene	24.818	252	904129	36.889	ng/ul	96
94) Indeno(1,2,3-cd)pyrene	28.672	276	1311461	41.872	ng/ul#	96
95) Dibenzo(a,h)anthracene	28.731	278	1072025	41.442	ng/ul	98
96) Benzo(g,h,i)perylene	29.835	276	1004298m	40.305	ng/ul	

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

