

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050323\
 Data File : BG057287.D
 Acq On : 3 May 2023 15:14
 Operator : CG/JU
 Sample : 02419-30MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EW925MSD

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/04/2023
 Supervised By : Jagrut Upadhyay 05/04/2023

Quant Time: May 04 02:39:55 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon May 01 12:45:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.378	152	12591	20.000	ng/u1	0.00
20) Naphthalene-d8	11.221	136	52583	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.998	164	39108	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.736	188	85644	20.000	ng/u1	0.00
79) Chrysene-d12	22.065	240	72567	20.000	ng/u1	0.01
88) Perylene-d12	25.607	264	78086	20.000	ng/u1	0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.661	96	375	1.311	ng/uL	0.00
4) Pyridine-d5	4.119	84	2226m	2.468	ng/u1	0.02
7) Phenol-d5	7.520	99	14580	12.244	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.685	67	8242	11.768	ng/u1	0.00
11) 2-Chlorophenol-d4	7.902	132	10651	13.574	ng/u1	0.00
15) 4-Methylphenol-d8	9.083	113	9530	10.530	ng/u1	0.00
21) Nitrobenzene-d5	9.559	128	5569	13.299	ng/u1	0.00
24) 2-Nitrophenol-d4	10.287	143	6244	12.777	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.833	165	14296	15.163	ng/u1	0.00
31) 4-Chloroaniline-d4	11.344	131	6628	5.304	ng/u1	0.00
46) Dimethylphthalate-d6	14.381	166	44158	14.250	ng/u1	0.00
49) Acenaphthylene-d8	14.699	160	52408	15.048	ng/u1	0.00
54) 4-Nitrophenol-d4	15.192	143	5075	11.251	ng/u1	0.01
60) Fluorene-d10	15.979	176	43626	15.112	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	16.103	200	4221	8.318	ng/u1	0.00
73) Anthracene-d10	17.836	188	61358	15.696	ng/u1	0.00
81) Pyrene-d10	20.109	212	69119	16.047	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.361	264	61803	15.535	ng/u1	0.04
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.690	88	1639	5.402	ng/uL#	75
5) Pyridine	4.137	79	3282m	3.452	ng/u1	
6) Benzaldehyde	7.508	77	12261m	33.714	ng/u1	
8) Phenol	7.550	94	20100	16.748	ng/u1	88
10) Bis(2-Chloroethyl)ether	7.779	93	12683	14.120	ng/u1	91
12) 2-Chlorophenol	7.937	128	13850	16.804	ng/u1	96
13) 2-Methylphenol	8.818	108	11937	12.834	ng/u1	84
14) 2,2'-oxybis(1-Chloropr...	8.901	45	15824	13.664	ng/u1#	96
16) Acetophenone	9.206	105	38348	24.625	ng/u1	99
17) N-Nitroso-di-n-propyla...	9.177	70	12253	13.692	ng/u1	98
18) 4-Methylphenol	9.147	108	15175	15.073	ng/u1	98
19) Hexachloroethane	9.476	117	6054	17.556	ng/u1	95
22) Nitrobenzene	9.600	77	19963	16.010	ng/u1	94
23) Isophorone	10.117	82	33049	13.930	ng/u1	97
25) 2-Nitrophenol	10.322	139	7892	15.944	ng/u1	94
26) 2,4-Dimethylphenol	10.363	107	4207	3.747	ng/u1	95
27) Bis(2-Chloroethoxy)met...	10.592	93	18484	14.988	ng/u1	97
29) 2,4-Dichlorophenol	10.863	162	15687	17.529	ng/u1	93
30) Naphthalene	11.268	128	52544	18.200	ng/u1	97
32) 4-Chloroaniline	11.374	127	8634	6.631	ng/u1#	82
33) Hexachlorobutadiene	11.538	225	13912	18.328	ng/u1	97
34) Caprolactam	12.126	113	5004	16.609	ng/u1	84
35) 4-Chloro-3-methylphenol	12.472	107	17690	17.180	ng/u1	99
36) 2-Methylnaphthalene	12.848	142	39059	18.448	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	13.066	142	38199	17.943	ng/ul#	99
39) 1,2,4,5-Tetrachloroben...	13.207	216	26505	18.650	ng/ul	96
40) Hexachlorocyclopentadiene	13.177	237	802	1.131	ng/ul#	73
41) 2,4,6-Trichlorophenol	13.442	196	15770	19.053	ng/ul	95
42) 2,4,5-Trichlorophenol	13.524	196	16302	18.344	ng/ul	95
43) 1,1'-Biphenyl	13.829	154	54872	18.388	ng/ul	100
44) 2-Chloronaphthalene	13.882	162	41756	18.047	ng/ul	99
45) 2-Nitroaniline	14.082	65	12293	17.599	ng/ul	99
47) Dimethylphthalate	14.428	163	53236	17.108	ng/ul	99
48) 2,6-Dinitrotoluene	14.558	165	11126	17.373	ng/ul	94
50) Acenaphthylene	14.722	152	61595	17.403	ng/ul	98
51) 3-Nitroaniline	14.893	138	8631	19.021	ng/ul	86
52) Acenaphthene	15.063	153	45132	17.897	ng/ul	98
53) 2,4-Dinitrophenol	15.110	184	2347	6.882	ng/ul	90
55) 4-Nitrophenol	15.204	109	8285	16.203	ng/ul	86
56) Dibenzofuran	15.392	168	68359	18.772	ng/ul	98
57) 2,4-Dinitrotoluene	15.351	165	16104	17.566	ng/ul#	98
58) 2,3,4,6-Tetrachlorophenol	15.615	232	14779	18.302	ng/ul#	99
59) Diethylphthalate	15.774	149	53082	16.790	ng/ul	100
61) Fluorene	16.038	166	55429	18.001	ng/ul	97
62) 4-Chlorophenyl-phenyle...	16.015	204	30950	17.221	ng/ul	98
63) 4-Nitroaniline	16.050	138	9862	22.950	ng/ul#	86
66) 4,6-Dinitro-2-methylph...	16.114	198	6097	11.791	ng/ul#	81
67) N-Nitrosodiphenylamine	16.226	169	44721	19.990	ng/ul	98
68) 4-Bromophenyl-phenylether	16.907	248	20073	19.609	ng/ul	94
69) Hexachlorobenzene	17.043	284	20362	18.890	ng/ul	96
70) Atrazine	17.160	200	19096	19.206	ng/ul	99
71) Pentachlorophenol	17.389	266	5719m	11.478	ng/ul	
72) Phenanthrene	17.783	178	125604	28.163	ng/ul	99
74) Anthracene	17.871	178	89668	20.015	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.806	216	28008	21.743	ng/ul	94
76) Pentachlorobenzene	15.316	250	27658	21.094	ng/ul	95
77) Carbazole	18.135	167	71555	19.112	ng/ul	99
78) Di-n-butylphthalate	18.658	149	99026	23.130	ng/ul	98
80) Fluoranthene	19.774	202	228471	44.653	ng/ul#	95
82) Pyrene	20.138	202	228381	44.091	ng/ul#	95
83) Butylbenzylphthalate	20.984	149	60639	36.556	ng/ul	92
84) 3,3'-Dichlorobenzidine	21.936	252	15928	9.883	ng/ul#	93
85) Benzo(a)anthracene	22.042	228	207505	40.431	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.883	149	314564	130.386	ng/ul	97
87) Chrysene	22.112	228	207305	42.813	ng/ul	93
89) Di-n-octyl phthalate	23.193	149	111343	25.821	ng/ul	100
90) Benzo(b)fluoranthene	24.474	252	288185	53.295	ng/ul	97
91) Benzo(k)fluoranthene	24.544	252	168970	32.119	ng/ul	98
93) Benzo(a)pyrene	25.443	252	220907	47.320	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	29.702	276	236765	40.573	ng/ul#	95
95) Dibenzo(a,h)anthracene	29.755	278	123151	25.450	ng/ul	94
96) Benzo(g,h,i)perylene	31.000	276	213460m	45.198	ng/ul	

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

