

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050523\
 Data File : BG057320.D
 Acq On : 5 May 2023 16:32
 Operator : CG/JU
 Sample : PB152528BS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SLCS528

Quant Time: May 06 00:57:34 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 05 11:20:08 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Christian
 Giraldo
 05/08/2023
 Supervised By :Jagrit
 Upadhyay
 05/08/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.372	152	18611	20.000	ng/u1	0.00
20) Naphthalene-d8	11.215	136	82823	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.992	164	64163	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.730	188	151230	20.000	ng/u1	0.00
79) Chrysene-d12	22.047	240	129635	20.000	ng/u1	0.00
88) Perylene-d12	25.560	264	135719	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.649	96	1801	4.258	ng/uL	0.00
4) Pyridine-d5	4.089	84	27486	20.614	ng/u1	0.00
7) Phenol-d5	7.514	99	42478	24.134	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.673	67	22303	21.544	ng/u1	0.00
11) 2-Chlorophenol-d4	7.902	132	30118	25.967	ng/u1	0.00
15) 4-Methylphenol-d8	9.077	113	33489	25.035	ng/u1	0.00
21) Nitrobenzene-d5	9.547	128	15445	23.417	ng/u1	0.00
24) 2-Nitrophenol-d4	10.281	143	19027	24.718	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.827	165	37728	25.405	ng/u1	0.00
31) 4-Chloroaniline-d4	11.338	131	42410	21.547	ng/u1	0.00
46) Dimethylphthalate-d6	14.375	166	119695	23.543	ng/u1	0.00
49) Acenaphthylene-d8	14.687	160	139702	24.448	ng/u1	0.00
54) 4-Nitrophenol-d4	15.180	143	15372	20.772	ng/u1	0.00
60) Fluorene-d10	15.973	176	109127	23.041	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	16.097	200	20427	22.798	ng/u1	0.00
73) Anthracene-d10	17.830	188	168700	24.439	ng/u1	0.00
81) Pyrene-d10	20.097	212	192274	24.988	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.319	264	169064	24.451	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.690	88	4061	9.054	ng/uL#	84
5) Pyridine	4.107	79	28528	20.297	ng/u1	94
6) Benzaldehyde	7.496	77	25257	46.984	ng/u1	87
8) Phenol	7.538	94	44995	25.364	ng/u1	92
10) Bis(2-Chloroethyl)ether	7.773	93	30669	23.100	ng/u1	94
12) 2-Chlorophenol	7.931	128	31711	26.029	ng/u1	97
13) 2-Methylphenol	8.812	108	33804	24.588	ng/u1	88
14) 2,2'-oxybis(1-Chloropr...	8.895	45	36188	21.140	ng/u1#	95
16) Acetophenone	9.200	105	55718	24.206	ng/u1	97
17) N-Nitroso-di-n-propyla...	9.171	70	30291	22.900	ng/u1	92
18) 4-Methylphenol	9.141	108	37959	25.508	ng/u1	99
19) Hexachloroethane	9.476	117	13340	26.171	ng/u1	98
22) Nitrobenzene	9.594	77	46120	23.482	ng/u1	99
23) Isophorone	10.111	82	85268	22.818	ng/u1	98
25) 2-Nitrophenol	10.316	139	19667	25.225	ng/u1	96
26) 2,4-Dimethylphenol	10.357	107	41364	23.387	ng/u1	97
27) Bis(2-Chloroethoxy)met...	10.586	93	44127	22.717	ng/u1	99
29) 2,4-Dichlorophenol	10.857	162	37778	26.800	ng/u1	98
30) Naphthalene	11.262	128	113154	24.883	ng/u1	98
32) 4-Chloroaniline	11.362	127	38199	18.626	ng/u1	95
33) Hexachlorobutadiene	11.532	225	30422	25.445	ng/u1	98
34) Caprolactam	12.114	113	11827m	24.923	ng/u1	
35) 4-Chloro-3-methylphenol	12.460	107	41968	25.876	ng/u1	98
36) 2-Methylnaphthalene	12.842	142	83883	25.153	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	13.060	142	85450	25.483	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	13.201	216	61851	26.526	ng/ul	99
40) Hexachlorocyclopentadiene	13.171	237	8710	7.485	ng/ul	97
41) 2,4,6-Trichlorophenol	13.435	196	34823	25.643	ng/ul	96
42) 2,4,5-Trichlorophenol	13.518	196	37365	25.628	ng/ul	93
43) 1,1'-Biphenyl	13.823	154	119981	24.507	ng/ul	97
44) 2-Chloronaphthalene	13.882	162	96450	25.408	ng/ul	98
45) 2-Nitroaniline	14.076	65	28050	24.477	ng/ul	90
47) Dimethylphthalate	14.422	163	121513	23.800	ng/ul	99
48) 2,6-Dinitrotoluene	14.557	165	26841	25.546	ng/ul	94
50) Acenaphthylene	14.716	152	144955	24.963	ng/ul	99
51) 3-Nitroaniline	14.886	138	23254	31.235	ng/ul	95
52) Acenaphthene	15.051	153	101905	24.631	ng/ul	99
53) 2,4-Dinitrophenol	15.110	184	10444	18.665	ng/ul	96
55) 4-Nitrophenol	15.192	109	17245	20.556	ng/ul	98
56) Dibenzofuran	15.386	168	147830	24.744	ng/ul	99
57) 2,4-Dinitrotoluene	15.345	165	36797	24.464	ng/ul	95
58) 2,3,4,6-Tetrachlorophenol	15.609	232	30759	23.217	ng/ul#	96
59) Diethylphthalate	15.768	149	121852	23.492	ng/ul	97
61) Fluorene	16.032	166	122222	24.193	ng/ul	100
62) 4-Chlorophenyl-phenyle...	16.008	204	71011	24.083	ng/ul	98
63) 4-Nitroaniline	16.044	138	24214	34.346	ng/ul	94
66) 4,6-Dinitro-2-methylph...	16.114	198	21257	23.282	ng/ul#	87
67) N-Nitrosodiphenylamine	16.220	169	103139	26.108	ng/ul	99
68) 4-Bromophenyl-phenylether	16.901	248	47815	26.453	ng/ul	95
69) Hexachlorobenzene	17.036	284	51071	26.832	ng/ul	99
70) Atrazine	17.154	200	21496	12.243	ng/ul	97
71) Pentachlorophenol	17.383	266	16858m	19.161	ng/ul	
72) Phenanthrene	17.771	178	197600	25.091	ng/ul	99
74) Anthracene	17.865	178	196140	24.794	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.806	216	62553	27.500	ng/uL	96
76) Pentachlorobenzene	15.309	250	61398	26.518	ng/uL	99
77) Carbazole	18.129	167	171778	25.984	ng/ul	99
78) Di-n-butylphthalate	18.646	149	197236	26.090	ng/ul	99
80) Fluoranthene	19.762	202	239872	26.243	ng/ul	97
82) Pyrene	20.126	202	237995	25.720	ng/ul#	97
83) Butylbenzylphthalate	20.972	149	80418	27.138	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.918	252	82728	28.735	ng/ul	97
85) Benzo(a)anthracene	22.024	228	231294	25.227	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.865	149	112279	26.052	ng/ul	95
87) Chrysene	22.094	228	216373	25.014	ng/ul	99
89) Di-n-octyl phthalate	23.163	149	189009	25.219	ng/ul	100
90) Benzo(b)fluoranthene	24.432	252	231831m	24.667	ng/ul	
91) Benzo(k)fluoranthene	24.509	252	228953	25.040	ng/ul	98
93) Benzo(a)pyrene	25.402	252	203783	25.115	ng/ul#	97
94) Indeno(1,2,3-cd)pyrene	29.643	276	261507	25.783	ng/ul	96
95) Dibenzo(a,h)anthracene	29.690	278	217760	25.892	ng/ul	97
96) Benzo(g,h,i)perylene	30.918	276	205354	25.017	ng/ul	99

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

