

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050923\
 Data File : BG057362.D
 Acq On : 9 May 2023 21:33
 Operator : CG/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020482

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/10/2023
 Supervised By : Jagrut Upadhyay 05/10/2023

Quant Time: May 10 00:06:17 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon May 08 11:47:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.368	152	18830	20.000	ng/u1	0.00
20) Naphthalene-d8	11.205	136	75776	20.000	ng/u1	-0.01
38) Acenaphthene-d10	14.977	164	58568	20.000	ng/u1	-0.01
64) Phenanthrene-d10	17.720	188	142280	20.000	ng/u1	0.00
79) Chrysene-d12	22.026	240	134816	20.000	ng/u1	-0.02
88) Perylene-d12	25.539	264	136340	20.000	ng/u1	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.651	96	3827	8.944	ng/uL	0.00
4) Pyridine-d5	4.086	84	28204	20.907	ng/u1	0.00
7) Phenol-d5	7.505	99	36050	20.244	ng/u1	-0.01
9) Bis-(2-Chloroethyl)eth...	7.669	67	20229	19.314	ng/u1	-0.01
11) 2-Chlorophenol-d4	7.892	132	24821	21.151	ng/u1	0.00
15) 4-Methylphenol-d8	9.067	113	27218	20.110	ng/u1	-0.01
21) Nitrobenzene-d5	9.543	128	13351	22.124	ng/u1	0.00
24) 2-Nitrophenol-d4	10.271	143	16184	22.980	ng/u1	-0.01
28) 2,4-Dichlorophenol-d3	10.818	165	31132	22.913	ng/u1	-0.01
31) 4-Chloroaniline-d4	11.329	131	39499	21.934	ng/u1	-0.01
46) Dimethylphthalate-d6	14.366	166	99468	21.434	ng/u1	0.00
49) Acenaphthylene-d8	14.677	160	115030	22.054	ng/u1	-0.01
54) 4-Nitrophenol-d4	15.165	143	12757	18.885	ng/u1	-0.01
60) Fluorene-d10	15.964	176	93513	21.630	ng/u1	-0.01
65) 4,6-Dinitro-2-methylph...	16.081	200	17781	21.093	ng/u1	-0.01
73) Anthracene-d10	17.820	188	145691	22.433	ng/u1	0.00
81) Pyrene-d10	20.082	212	170810	21.345	ng/u1	-0.01
92) Benzo(a)pyrene-d12	25.292	264	154084	22.183	ng/u1	-0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.686	88	4254	9.374	ng/uL	93
5) Pyridine	4.109	79	29884	21.015	ng/u1	92
6) Benzaldehyde	7.493	77	11924	21.924	ng/u1	94
8) Phenol	7.534	94	35701	19.891	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.769	93	26484	19.715	ng/u1	93
12) 2-Chlorophenol	7.928	128	26638	21.611	ng/u1	95
13) 2-Methylphenol	8.803	108	27080	19.468	ng/u1	94
14) 2,2'-oxybis(1-Chloropr...	8.885	45	31746	18.330	ng/u1	93
16) Acetophenone	9.196	105	46014	19.757	ng/u1	93
17) N-Nitroso-di-n-propyla...	9.167	70	25641	19.159	ng/u1	93
18) 4-Methylphenol	9.132	108	29496	19.591	ng/u1	94
19) Hexachloroethane	9.467	117	11466	22.233	ng/u1	98
22) Nitrobenzene	9.584	77	37091	20.641	ng/u1	99
23) Isophorone	10.101	82	70202	20.534	ng/u1	98
25) 2-Nitrophenol	10.307	139	16729	23.452	ng/u1	94
26) 2,4-Dimethylphenol	10.348	107	35407	21.881	ng/u1	91
27) Bis(2-Chloroethoxy)met...	10.577	93	37233	20.950	ng/u1	94
29) 2,4-Dichlorophenol	10.847	162	29910	23.192	ng/u1	95
30) Naphthalene	11.258	128	93051	22.365	ng/u1	98
32) 4-Chloroaniline	11.358	127	39852	21.239	ng/u1	96
33) Hexachlorobutadiene	11.523	225	25302	23.131	ng/u1	91
34) Caprolactam	12.104	113	9131	21.031	ng/u1	91
35) 4-Chloro-3-methylphenol	12.451	107	32124	21.649	ng/u1	95
36) 2-Methylnaphthalene	12.833	142	67486	22.119	ng/u1	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	13.050	142	67734	22.078	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	13.191	216	49619	23.313	ng/ul	97
40) Hexachlorocyclopentadiene	13.162	237	21304	20.058	ng/ul	96
41) 2,4,6-Trichlorophenol	13.426	196	27508	22.192	ng/ul	94
42) 2,4,5-Trichlorophenol	13.508	196	31565	23.718	ng/ul	88
43) 1,1'-Biphenyl	13.814	154	99234	22.205	ng/ul	99
44) 2-Chloronaphthalene	13.867	162	76757	22.151	ng/ul	98
45) 2-Nitroaniline	14.060	65	22547	21.554	ng/ul	96
47) Dimethylphthalate	14.413	163	99970	21.451	ng/ul	100
48) 2,6-Dinitrotoluene	14.548	165	21165	22.068	ng/ul	92
50) Acenaphthylene	14.707	152	116979	22.070	ng/ul	100
51) 3-Nitroaniline	14.877	138	14643	21.548	ng/ul	90
52) Acenaphthene	15.041	153	81052	21.462	ng/ul	100
53) 2,4-Dinitrophenol	15.100	184	8730	17.093	ng/ul	93
55) 4-Nitrophenol	15.182	109	13695	17.884	ng/ul	92
56) Dibenzofuran	15.370	168	119656	21.941	ng/ul	99
57) 2,4-Dinitrotoluene	15.329	165	30297	22.067	ng/ul	98
58) 2,3,4,6-Tetrachlorophenol	15.600	232	25636	21.199	ng/ul	96
59) Diethylphthalate	15.758	149	100627	21.253	ng/ul	99
61) Fluorene	16.017	166	100388	21.769	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.999	204	57924	21.521	ng/ul	98
63) 4-Nitroaniline	16.034	138	12573	19.537	ng/ul	91
66) 4,6-Dinitro-2-methylph...	16.099	198	18378	21.395	ng/ul	98
67) N-Nitrosodiphenylamine	16.210	169	83978	22.595	ng/ul	98
68) 4-Bromophenyl-phenylether	16.892	248	38924	22.889	ng/ul	96
69) Hexachlorobenzene	17.027	284	41114	22.959	ng/ul	98
70) Atrazine	17.144	200	37963	22.983	ng/ul	97
71) Pentachlorophenol	17.374	266	14425m	17.427	ng/ul	
72) Phenanthrene	17.761	178	166921	22.529	ng/ul	98
74) Anthracene	17.849	178	166279	22.342	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.790	216	51188	23.920	ng/uL	99
76) Pentachlorobenzene	15.294	250	52084	23.910	ng/uL	96
77) Carbazole	18.114	167	139752	22.469	ng/ul	99
78) Di-n-butylphthalate	18.637	149	162698	22.875	ng/ul	100
80) Fluoranthene	19.753	202	203096	21.366	ng/ul	98
82) Pyrene	20.111	202	205987	21.406	ng/ul	99
83) Butylbenzylphthalate	20.963	149	72397	23.492	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.903	252	67688	22.607	ng/ul	97
85) Benzo(a)anthracene	22.008	228	211137	22.144	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.850	149	102833	22.943	ng/ul	94
87) Chrysene	22.079	228	196295	21.821	ng/ul	98
89) Di-n-octyl phthalate	23.148	149	168612	22.395	ng/ul	100
90) Benzo(b)fluoranthene	24.411	252	209365	22.175	ng/ul	98
91) Benzo(k)fluoranthene	24.482	252	203969	22.206	ng/ul	100
93) Benzo(a)pyrene	25.369	252	181327	22.246	ng/ul#	98
94) Indeno(1,2,3-cd)pyrene	29.586	276	227961	22.373	ng/ul	96
95) Dibenzo(a,h)anthracene	29.639	278	189267	22.402	ng/ul	99
96) Benzo(g,h,i)perylene	30.855	276	184111	22.327	ng/ul	98

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

