

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050923\
 Data File : BG057351.D
 Acq On : 9 May 2023 13:48
 Operator : CG/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020481

Manual Integrations
 APPROVED

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

Quant Time: May 09 23:27:56 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	8.366	152	16417	20.000	ng/u1	0.00
20) Naphthalene-d8	11.203	136	64489	20.000	ng/u1	-0.01
38) Acenaphthene-d10	14.980	164	50027	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.724	188	124876	20.000	ng/u1	0.00
79) Chrysene-d12	22.035	240	118219	20.000	ng/u1	0.00
88) Perylene-d12	25.542	264	122755	20.000	ng/u1	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.643	96	3319	8.897	ng/uL	0.00
4) Pyridine-d5	4.083	84	23639	20.098	ng/u1	0.00
7) Phenol-d5	7.502	99	29459	18.974	ng/u1	-0.01
9) Bis-(2-Chloroethyl)eth...	7.667	67	17598	19.271	ng/u1	-0.01
11) 2-Chlorophenol-d4	7.890	132	20871	20.399	ng/u1	0.00
15) 4-Methylphenol-d8	9.065	113	22348	18.939	ng/u1	-0.01
21) Nitrobenzene-d5	9.546	128	10786	21.002	ng/u1	0.00
24) 2-Nitrophenol-d4	10.275	143	12876	21.483	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.815	165	25949	22.441	ng/u1	-0.01
31) 4-Chloroaniline-d4	11.332	131	32706	21.340	ng/u1	0.00
46) Dimethylphthalate-d6	14.363	166	85394	21.542	ng/u1	0.00
49) Acenaphthylene-d8	14.681	160	96902	21.750	ng/u1	0.00
54) 4-Nitrophenol-d4	15.168	143	10437	18.088	ng/u1	0.00
60) Fluorene-d10	15.967	176	78800	21.339	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	16.085	200	14517	19.621	ng/u1	0.00
73) Anthracene-d10	17.818	188	127478	22.365	ng/u1	0.00
81) Pyrene-d10	20.085	212	150479	21.445	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.302	264	138040	22.072	ng/u1	-0.01
Target Compounds						
2) 1,4-Dioxane	3.684	88	3810	9.630	ng/uL#	92
5) Pyridine	4.107	79	25973	20.949	ng/u1	89
6) Benzaldehyde	7.490	77	10347m	21.820	ng/u1	
8) Phenol	7.532	94	30948	19.777	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.761	93	23111	19.733	ng/u1	92
12) 2-Chlorophenol	7.925	128	22336	20.784	ng/u1	96
13) 2-Methylphenol	8.800	108	23088	19.038	ng/u1	86
14) 2,2'-oxybis(1-Chloropr...	8.888	45	27586m	18.269	ng/u1	
16) Acetophenone	9.194	105	39560	19.483	ng/u1	89
17) N-Nitroso-di-n-propyla...	9.165	70	21378	18.321	ng/u1	95
18) 4-Methylphenol	9.129	108	25393	19.344	ng/u1	96
19) Hexachloroethane	9.464	117	9588	21.324	ng/u1#	92
22) Nitrobenzene	9.588	77	31551	20.631	ng/u1	96
23) Isophorone	10.104	82	58582	20.134	ng/u1	99
25) 2-Nitrophenol	10.304	139	13701	22.569	ng/u1	99
26) 2,4-Dimethylphenol	10.345	107	29393	21.344	ng/u1	88
27) Bis(2-Chloroethoxy)met...	10.580	93	32001	21.158	ng/u1	98
29) 2,4-Dichlorophenol	10.851	162	24773	22.571	ng/u1	94
30) Naphthalene	11.256	128	77871	21.992	ng/u1	97
32) 4-Chloroaniline	11.356	127	34241	21.442	ng/u1	97
33) Hexachlorobutadiene	11.526	225	21867	23.490	ng/u1	94
34) Caprolactam	12.102	113	7663	20.739	ng/u1	92
35) 4-Chloro-3-methylphenol	12.454	107	26860	21.269	ng/u1#	96
36) 2-Methylnaphthalene	12.836	142	57597	22.181	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	13.053	142	57760	22.122	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	13.194	216	41082	22.598	ng/ul	98
40) Hexachlorocyclopentadiene	13.165	237	15610	17.206	ng/ul	98
41) 2,4,6-Trichlorophenol	13.429	196	23341	22.045	ng/ul	94
42) 2,4,5-Trichlorophenol	13.506	196	25771m	22.670	ng/ul	
43) 1,1'-Biphenyl	13.817	154	83395	21.847	ng/ul	99
44) 2-Chloronaphthalene	13.870	162	65109	21.998	ng/ul	99
45) 2-Nitroaniline	14.064	65	18818	21.061	ng/ul	92
47) Dimethylphthalate	14.410	163	87008	21.858	ng/ul	99
48) 2,6-Dinitrotoluene	14.546	165	17623	21.512	ng/ul	98
50) Acenaphthylene	14.710	152	99529	21.984	ng/ul	98
51) 3-Nitroaniline	14.880	138	12491	21.519	ng/ul	98
52) Acenaphthene	15.045	153	69943	21.683	ng/ul	98
53) 2,4-Dinitrophenol	15.104	184	6091	13.962	ng/ul	97
55) 4-Nitrophenol	15.186	109	11867	18.143	ng/ul	96
56) Dibenzofuran	15.374	168	102417	21.986	ng/ul	99
57) 2,4-Dinitrotoluene	15.333	165	26295	22.422	ng/ul	93
58) 2,3,4,6-Tetrachlorophenol	15.603	232	22698	21.974	ng/ul	98
59) Diethylphthalate	15.762	149	87649	21.672	ng/ul	99
61) Fluorene	16.020	166	85027	21.586	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.997	204	49828	21.674	ng/ul	99
63) 4-Nitroaniline	16.032	138	11256	20.477	ng/ul	87
66) 4,6-Dinitro-2-methylph...	16.102	198	15537	20.608	ng/ul	95
67) N-Nitrosodiphenylamine	16.214	169	72437	22.206	ng/ul	100
68) 4-Bromophenyl-phenylether	16.895	248	33965	22.756	ng/ul	99
69) Hexachlorobenzene	17.030	284	35696	22.712	ng/ul	97
70) Atrazine	17.148	200	32557	22.457	ng/ul	99
71) Pentachlorophenol	17.377	266	11821m	16.271	ng/ul	
72) Phenanthrene	17.765	178	145787	22.419	ng/ul	99
74) Anthracene	17.853	178	146998	22.504	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.794	216	43502	23.161	ng/uL	97
76) Pentachlorobenzene	15.297	250	42620	22.293	ng/uL	95
77) Carbazole	18.117	167	123433	22.611	ng/ul	99
78) Di-n-butylphthalate	18.640	149	143925	23.056	ng/ul	99
80) Fluoranthene	19.756	202	182964	21.950	ng/ul	97
82) Pyrene	20.114	202	184392	21.852	ng/ul	99
83) Butylbenzylphthalate	20.966	149	62691	23.199	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.906	252	57679	21.969	ng/ul	98
85) Benzo(a)anthracene	22.012	228	184750	22.097	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.859	149	89803	22.849	ng/ul	98
87) Chrysene	22.082	228	172125	21.820	ng/ul	97
89) Di-n-octyl phthalate	23.152	149	153062	22.580	ng/ul	100
90) Benzo(b)fluoranthene	24.415	252	187256	22.028	ng/ul	99
91) Benzo(k)fluoranthene	24.491	252	182797	22.103	ng/ul	99
93) Benzo(a)pyrene	25.378	252	162008	22.075	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	29.596	276	206378	22.496	ng/ul	99
95) Dibenzo(a,h)anthracene	29.654	278	169360	22.264	ng/ul	99
96) Benzo(g,h,i)perylene	30.865	276	165364	22.273	ng/ul	99

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

