

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030623\
 Data File : BG056864.D
 Acq On : 7 Mar 2023 7:52
 Operator : CG/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

SSTD020460

Manual Integrations

APPROVED

Reviewed By : Christian Giraldo 03/07/2023
 Supervised By : Jagrut Upadhyay 03/07/2023

Quant Time: Mar 07 08:28:16 2023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG022323.M

Quant Title : SVOA CALIBRATION

QLast Update : Thu Mar 02 00:12:28 2023

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.416	152	17872	20.000	ng/u1	0.00
20) Naphthalene-d8	11.254	136	75754	20.000	ng/u1	0.00
38) Acenaphthene-d10	15.020	164	54811	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.753	188	132288	20.000	ng/u1	0.00
79) Chrysene-d12	22.065	240	158867	20.000	ng/u1	0.00
88) Perylene-d12	25.590	264	159574	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.698	96	3276	10.168	ng/uL	0.00
4) Pyridine-d5	4.133	84	27838	21.407	ng/u1	0.00
7) Phenol-d5	7.541	99	35244	19.707	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.717	67	22343	20.481	ng/u1	0.00
11) 2-Chlorophenol-d4	7.940	132	23781	20.023	ng/u1	0.00
15) 4-Methylphenol-d8	9.104	113	26519	19.406	ng/u1	0.00
21) Nitrobenzene-d5	9.591	128	13271	20.904	ng/u1	0.00
24) 2-Nitrophenol-d4	10.320	143	15240	20.167	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.861	165	29875	20.985	ng/u1	0.00
31) 4-Chloroaniline-d4	11.378	131	35822	19.292	ng/u1	0.00
46) Dimethylphthalate-d6	14.409	166	88534	20.020	ng/u1	0.00
49) Acenaphthylene-d8	14.721	160	105651	21.020	ng/u1	0.00
54) 4-Nitrophenol-d4	15.179	143	14237	18.673	ng/u1	0.00
60) Fluorene-d10	16.002	176	81724	19.978	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	16.107	200	16192	18.295	ng/u1	0.00
73) Anthracene-d10	17.852	188	162521	25.324	ng/u1	0.00
81) Pyrene-d10	20.114	212	165686	15.412	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.344	264	160463	18.630	ng/u1	0.00
Target Compounds					Qvalue	
2) 1,4-Dioxane	3.734	88	3933m	9.901	ng/uL	
5) Pyridine	4.157	79	30485	22.135	ng/u1	94
6) Benzaldehyde	7.541	77	23087	24.640	ng/u1	97
8) Phenol	7.570	94	37436	20.522	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.811	93	25352	19.560	ng/u1	98
12) 2-Chlorophenol	7.970	128	23388	19.885	ng/u1	93
13) 2-Methylphenol	8.839	108	27203	19.770	ng/u1	96
14) 2,2'-oxybis(1-Chloropr...	8.939	45	36295	20.839	ng/u1	97
16) Acetophenone	9.245	105	46326	19.797	ng/u1	99
17) N-Nitroso-di-n-propyla...	9.215	70	25237	18.796	ng/u1	98
18) 4-Methylphenol	9.174	108	29721	19.878	ng/u1	90
19) Hexachloroethane	9.521	117	10094	20.182	ng/u1	91
22) Nitrobenzene	9.633	77	40568	22.037	ng/u1	99
23) Isophorone	10.156	82	72780	20.222	ng/u1	97
25) 2-Nitrophenol	10.349	139	15862	21.264	ng/u1	86
26) 2,4-Dimethylphenol	10.391	107	35076	21.055	ng/u1	93
27) Bis(2-Chloroethoxy)met...	10.626	93	37494	20.610	ng/u1	98
29) 2,4-Dichlorophenol	10.890	162	28348	20.563	ng/u1	94
30) Naphthalene	11.307	128	86395	20.719	ng/u1	95
32) 4-Chloroaniline	11.401	127	35743	19.432	ng/u1	92
33) Hexachlorobutadiene	11.583	225	24028	21.869	ng/u1	93
34) Caprolactam	12.136	113	8596	18.341	ng/u1	89
35) 4-Chloro-3-methylphenol	12.482	107	30417	19.205	ng/u1	96
36) 2-Methylnaphthalene	12.876	142	59463	19.912	ng/u1	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	13.093	142	60539	20.561	ng/ul	96
39) 1,2,4,5-Tetrachloroben...	13.234	216	45198	23.259	ng/ul	99
40) Hexachlorocyclopentadiene	13.211	237	21987	15.790	ng/ul	99
41) 2,4,6-Trichlorophenol	13.463	196	28510	21.957	ng/ul	88
42) 2,4,5-Trichlorophenol	13.534	196	30420	21.576	ng/ul	95
43) 1,1'-Biphenyl	13.863	154	86520	21.466	ng/ul	98
44) 2-Chloronaphthalene	13.910	162	73294	21.979	ng/ul#	90
45) 2-Nitroaniline	14.098	65	24888	21.501	ng/ul	84
47) Dimethylphthalate	14.450	163	90216	20.060	ng/ul#	99
48) 2,6-Dinitrotoluene	14.580	165	18927	20.530	ng/ul#	86
50) Acenaphthylene	14.750	152	106025	20.881	ng/ul	99
51) 3-Nitroaniline	14.909	138	17435	21.131	ng/ul#	85
52) Acenaphthene	15.085	153	72914	20.904	ng/ul	96
53) 2,4-Dinitrophenol	15.114	184	9470	16.035	ng/ul	88
55) 4-Nitrophenol	15.191	109	17115	19.393	ng/ul	93
56) Dibenzofuran	15.414	168	108034	20.403	ng/ul	94
57) 2,4-Dinitrotoluene	15.361	165	27174	20.560	ng/ul#	87
58) 2,3,4,6-Tetrachlorophenol	15.631	232	25760	19.633	ng/ul	95
59) Diethylphthalate	15.802	149	89397	19.859	ng/ul	97
61) Fluorene	16.060	166	84787	19.998	ng/ul	96
62) 4-Chlorophenyl-phenyle...	16.037	204	52495	20.903	ng/ul	97
63) 4-Nitroaniline	16.066	138	16081	19.948	ng/ul	95
66) 4,6-Dinitro-2-methylph...	16.119	198	16318	19.151	ng/ul#	99
67) N-Nitrosodiphenylamine	16.248	169	74353	20.212	ng/ul	97
68) 4-Bromophenyl-phenylether	16.930	248	33331	19.882	ng/ul	96
69) Hexachlorobenzene	17.059	284	37300	20.710	ng/ul	92
70) Atrazine	17.177	200	31512	19.723	ng/ul	96
71) Pentachlorophenol	17.400	266	18682	18.268	ng/ul	96
72) Phenanthrene	17.799	178	146428	20.434	ng/ul	99
74) Anthracene	17.888	178	180970	24.991	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.834	216	47413	23.428	ng/uL	93
76) Pentachlorobenzene	15.332	250	45640	22.236	ng/uL	98
77) Carbazole	18.152	167	137902	22.760	ng/ul	98
78) Di-n-butylphthalate	18.675	149	150185	21.507	ng/ul	99
80) Fluoranthene	19.780	202	197160	15.168	ng/ul	99
82) Pyrene	20.144	202	192704	15.048	ng/ul	99
83) Butylbenzylphthalate	20.996	149	64532	15.885	ng/ul	91
84) 3,3'-Dichlorobenzidine	21.942	252	71514	17.954	ng/ul	97
85) Benzo(a)anthracene	22.042	228	199812	17.281	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.901	149	95669	16.764	ng/ul	99
87) Chrysene	22.112	228	222963	20.704	ng/ul	100
89) Di-n-octyl phthalate	23.211	149	159160	18.346	ng/ul	100
90) Benzo(b)fluoranthene	24.462	252	198737	18.604	ng/ul#	96
91) Benzo(k)fluoranthene	24.533	252	195262	18.766	ng/ul	98
93) Benzo(a)pyrene	25.426	252	171820	18.298	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	29.656	276	224751	17.619	ng/ul#	96
95) Dibenzo(a,h)anthracene	29.721	278	194102	18.199	ng/ul	95
96) Benzo(g,h,i)perylene	30.931	276	183120m	17.972	ng/ul	

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

