

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030823\
 Data File : BG056875.D
 Acq On : 8 Mar 2023 9:24
 Operator : CG/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

SSTD020461

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/09/2023
 Supervised By :Jagrut Upadhyay 03/09/2023

Quant Time: Mar 08 13:28:16 2023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG030723.M

Quant Title : SVOA CALIBRATION

QLast Update : Tue Mar 07 23:54:44 2023

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.414	152	13518	20.000	ng/u1	0.00
20) Naphthalene-d8	11.258	136	58055	20.000	ng/u1	0.00
38) Acenaphthene-d10	15.036	164	47640	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.774	188	133430	20.000	ng/u1	0.00
79) Chrysene-d12	22.098	240	129694	20.000	ng/u1	-0.01
88) Perylene-d12	25.653	264	140947	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.690	96	3116	8.939	ng/uL	0.00
4) Pyridine-d5	4.131	84	25187	22.211	ng/u1	0.00
7) Phenol-d5	7.539	99	28228	20.374	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.721	67	18549	21.314	ng/u1	0.00
11) 2-Chlorophenol-d4	7.938	132	18992	21.903	ng/u1	0.00
15) 4-Methylphenol-d8	9.107	113	21176	20.256	ng/u1	0.00
21) Nitrobenzene-d5	9.595	128	9815	20.384	ng/u1	0.00
24) 2-Nitrophenol-d4	10.318	143	12128	21.291	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.864	165	22328	20.236	ng/u1	0.00
31) 4-Chloroaniline-d4	11.381	131	31028	21.341	ng/u1	0.00
46) Dimethylphthalate-d6	14.419	166	86746	21.288	ng/u1	0.00
49) Acenaphthylene-d8	14.730	160	94140	21.040	ng/u1	0.00
54) 4-Nitrophenol-d4	15.194	143	15053	21.800	ng/u1	0.00
60) Fluorene-d10	16.017	176	79793	21.117	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	16.123	200	18483	19.167	ng/u1	0.00
73) Anthracene-d10	17.874	188	135160	20.959	ng/u1	0.00
81) Pyrene-d10	20.136	212	167934	21.258	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.406	264	159255	20.635	ng/u1	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.731	88	3482	8.963	ng/uL#	77
5) Pyridine	4.149	79	25946	21.356	ng/u1	95
6) Benzaldehyde	7.539	77	18634	25.551	ng/u1	93
8) Phenol	7.568	94	29947	21.201	ng/u1#	86
10) Bis(2-Chloroethyl)ether	7.815	93	21477	21.643	ng/u1	99
12) 2-Chlorophenol	7.973	128	19613	22.014	ng/u1	95
13) 2-Methylphenol	8.843	108	21372	20.580	ng/u1	90
14) 2,2'-oxybis(1-Chloropr...	8.931	45	28626m	21.018	ng/u1	
16) Acetophenone	9.243	105	38291	21.402	ng/u1	95
17) N-Nitroso-di-n-propyla...	9.219	70	22228	21.361	ng/u1	98
18) 4-Methylphenol	9.172	108	23763	21.082	ng/u1	83
19) Hexachloroethane	9.525	117	8104	22.026	ng/u1	92
22) Nitrobenzene	9.636	77	31308	20.836	ng/u1	95
23) Isophorone	10.153	82	61062	20.817	ng/u1	97
25) 2-Nitrophenol	10.353	139	12818	21.522	ng/u1	91
26) 2,4-Dimethylphenol	10.394	107	27209	20.840	ng/u1	98
27) Bis(2-Chloroethoxy)met...	10.635	93	30274	21.203	ng/u1	98
29) 2,4-Dichlorophenol	10.888	162	22354	21.014	ng/u1	98
30) Naphthalene	11.311	128	66728	20.808	ng/u1	97
32) 4-Chloroaniline	11.405	127	30396	21.339	ng/u1	100
33) Hexachlorobutadiene	11.593	225	17688	21.129	ng/u1	95
34) Caprolactam	12.139	113	9167m	23.519	ng/u1	
35) 4-Chloro-3-methylphenol	12.492	107	27200	22.024	ng/u1	97
36) 2-Methylnaphthalene	12.885	142	48068	20.838	ng/u1	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	13.103	142	48537	21.059	ng/ul	96
39) 1,2,4,5-Tetrachloroben...	13.244	216	35894	20.389	ng/ul#	95
40) Hexachlorocyclopentadiene	13.220	237	22541	18.831	ng/ul	99
41) 2,4,6-Trichlorophenol	13.473	196	23869	20.821	ng/ul	93
42) 2,4,5-Trichlorophenol	13.543	196	27247	21.352	ng/ul	98
43) 1,1'-Biphenyl	13.872	154	74594	20.907	ng/ul	98
44) 2-Chloronaphthalene	13.919	162	61115	20.774	ng/ul	96
45) 2-Nitroaniline	14.107	65	22695	20.921	ng/ul	95
47) Dimethylphthalate	14.466	163	87899	21.338	ng/ul	98
48) 2,6-Dinitrotoluene	14.589	165	17805	21.494	ng/ul	97
50) Acenaphthylene	14.760	152	94524	20.905	ng/ul	100
51) 3-Nitroaniline	14.924	138	17232	23.056	ng/ul	94
52) Acenaphthene	15.095	153	64925	20.530	ng/ul	97
53) 2,4-Dinitrophenol	15.124	184	11639	19.167	ng/ul	98
55) 4-Nitrophenol	15.206	109	18819	21.144	ng/ul	98
56) Dibenzofuran	15.424	168	98192	20.311	ng/ul	100
57) 2,4-Dinitrotoluene	15.371	165	26796	20.983	ng/ul	97
58) 2,3,4,6-Tetrachlorophenol	15.647	232	25891	21.054	ng/ul	96
59) Diethylphthalate	15.817	149	88783	21.324	ng/ul	99
61) Fluorene	16.076	166	82406	21.406	ng/ul	99
62) 4-Chlorophenyl-phenyle...	16.052	204	47641	20.627	ng/ul	98
63) 4-Nitroaniline	16.082	138	17290	23.320	ng/ul	94
66) 4,6-Dinitro-2-methylph...	16.135	198	18183	19.702	ng/ul	97
67) N-Nitrosodiphenylamine	16.264	169	74763	20.865	ng/ul	97
68) 4-Bromophenyl-phenylether	16.951	248	35121	21.221	ng/ul	93
69) Hexachlorobenzene	17.075	284	37129	20.681	ng/ul#	94
70) Atrazine	17.198	200	34980	21.713	ng/ul	92
71) Pentachlorophenol	17.415	266	20792	19.648	ng/ul	95
72) Phenanthrene	17.815	178	151191	21.055	ng/ul	99
74) Anthracene	17.909	178	151752	20.745	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.843	216	38440	20.101	ng/uL	98
76) Pentachlorobenzene	15.347	250	40285	20.178	ng/uL	95
77) Carbazole	18.167	167	133187	21.455	ng/ul	97
78) Di-n-butylphthalate	18.696	149	151286	21.069	ng/ul	100
80) Fluoranthene	19.807	202	199919	21.231	ng/ul	99
82) Pyrene	20.165	202	201556	21.376	ng/ul	99
83) Butylbenzylphthalate	21.029	149	65773	21.032	ng/ul	95
84) 3,3'-Dichlorobenzidine	21.975	252	70445	22.422	ng/ul	98
85) Benzo(a)anthracene	22.075	228	197056	20.784	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.939	149	93661	20.958	ng/ul	97
87) Chrysene	22.151	228	184908	21.046	ng/ul	99
89) Di-n-octyl phthalate	23.261	149	161468	21.035	ng/ul	100
90) Benzo(b)fluoranthene	24.513	252	200611	20.821	ng/ul	99
91) Benzo(k)fluoranthene	24.589	252	193390	20.893	ng/ul	97
93) Benzo(a)pyrene	25.482	252	173265	21.047	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	29.754	276	236318	21.007	ng/ul	97
95) Dibenzo(a,h)anthracene	29.824	278	194823	20.986	ng/ul	97
96) Benzo(g,h,i)perylene	31.035	276	191178	21.194	ng/ul#	93

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

