

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092023\
 Data File : BG059113.D
 Acq On : 20 Sep 2023 17:27
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

SSTD020564

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2023

Supervised By :mohammad ahmed 09/21/2023

Quant Time: Sep 21 00:30:28 2023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091923.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Wed Sep 20 04:25:24 2023

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.296	152	32952	20.000	ng/u1	# 0.00
20) Naphthalene-d8	11.140	136	165108	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.929	164	106455	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.679	188	245503	20.000	ng/u1	0.00
79) Chrysene-d12	21.997	240	209778	20.000	ng/u1	0.00
88) Perylene-d12	25.540	264	249601	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.607	96	6882	8.175	ng/uL	0.00
4) Pyridine-d5	4.042	84	52184	21.129	ng/u1	0.00
7) Phenol-d5	7.409	99	67163	20.728	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.614	67	43065	21.658	ng/u1	0.00
11) 2-Chlorophenol-d4	7.814	132	52554	21.979	ng/u1	0.00
15) 4-Methylphenol-d8	8.983	113	54394	21.079	ng/u1	0.00
21) Nitrobenzene-d5	9.489	128	27918	21.913	ng/u1	0.00
24) 2-Nitrophenol-d4	10.211	143	28698	22.298	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.740	165	56177	22.991	ng/u1	0.00
31) 4-Chloroaniline-d4	11.286	131	81290	21.316	ng/u1	0.00
46) Dimethylphthalate-d6	14.318	166	177039	21.624	ng/u1	0.00
49) Acenaphthylene-d8	14.630	160	214803	21.547	ng/u1	0.00
54) 4-Nitrophenol-d4	15.100	143	33905	22.698	ng/u1	0.00
60) Fluorene-d10	15.910	176	163433	21.808	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	16.022	200	29710	21.286	ng/u1	0.00
73) Anthracene-d10	17.773	188	247646	22.170	ng/u1	0.00
81) Pyrene-d10	20.047	212	273410	22.298	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.294	264	262033	21.500	ng/u1	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.648	88	7961m	8.363	ng/uL	
5) Pyridine	4.060	79	51930	20.635	ng/u1	91
6) Benzaldehyde	7.444	77	40978	24.391	ng/u1	93
8) Phenol	7.438	94	70115	21.054	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.708	93	57150	21.374	ng/u1	96
12) 2-Chlorophenol	7.849	128	54772	22.452	ng/u1	95
13) 2-Methylphenol	8.713	108	51229	20.728	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.801	45	119166m	21.466	ng/u1	
16) Acetophenone	9.136	105	86126	21.679	ng/u1	97
17) N-Nitroso-di-n-propyla...	9.101	70	42471	21.147	ng/u1	95
18) 4-Methylphenol	9.048	108	57851	21.842	ng/u1	86
19) Hexachloroethane	9.383	117	21317	22.225	ng/u1	91
22) Nitrobenzene	9.541	77	61238	21.226	ng/u1	97
23) Isophorone	10.047	82	131201	21.207	ng/u1	97
25) 2-Nitrophenol	10.246	139	31218	21.705	ng/u1	98
26) 2,4-Dimethylphenol	10.270	107	57840	21.509	ng/u1	89
27) Bis(2-Chloroethoxy)met...	10.528	93	81134	21.079	ng/u1	98
29) 2,4-Dichlorophenol	10.764	162	54510	22.069	ng/u1	97
30) Naphthalene	11.192	128	192249	21.760	ng/u1	99
32) 4-Chloroaniline	11.310	127	79441	21.161	ng/u1	98
33) Hexachlorobutadiene	11.422	225	36185	22.761	ng/u1	88
34) Caprolactam	12.085	113	20447m	22.605	ng/u1	
35) 4-Chloro-3-methylphenol	12.373	107	58244	22.387	ng/u1	99
36) 2-Methylnaphthalene	12.773	142	128119	21.712	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.990	142	132410	22.214	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	13.114	216	68290	21.882	ng/ul	98
40) Hexachlorocyclopentadiene	13.073	237	44700	22.466	ng/ul	95
41) 2,4,6-Trichlorophenol	13.355	196	45939	22.542	ng/ul	94
42) 2,4,5-Trichlorophenol	13.419	196	49097	22.272	ng/ul	97
43) 1,1'-Biphenyl	13.760	154	184794	21.748	ng/ul	96
44) 2-Chloronaphthalene	13.819	162	139681	21.529	ng/ul	97
45) 2-Nitroaniline	14.030	65	44640	21.706	ng/ul	99
47) Dimethylphthalate	14.371	163	178235	21.314	ng/ul	99
48) 2,6-Dinitrotoluene	14.512	165	35217	22.790	ng/ul#	86
50) Acenaphthylene	14.659	152	227762	21.390	ng/ul	99
51) 3-Nitroaniline	14.847	138	37720	22.123	ng/ul	95
52) Acenaphthene	14.988	153	156534	21.678	ng/ul	98
53) 2,4-Dinitrophenol	15.047	184	19922	21.396	ng/ul	91
55) 4-Nitrophenol	15.111	109	21380	21.657	ng/ul	95
56) Dibenzofuran	15.323	168	206256	21.535	ng/ul	98
57) 2,4-Dinitrotoluene	15.288	165	49512	22.225	ng/ul	96
58) 2,3,4,6-Tetrachlorophenol	15.528	232	45978	22.533	ng/ul#	89
59) Diethylphthalate	15.717	149	181489	22.025	ng/ul	99
61) Fluorene	15.969	166	175033	21.403	ng/ul	96
62) 4-Chlorophenyl-phenyle...	15.952	204	88187	21.727	ng/ul	95
63) 4-Nitroaniline	16.010	138	35315	22.344	ng/ul	89
66) 4,6-Dinitro-2-methylph...	16.034	198	32940	21.896	ng/ul	100
67) N-Nitrosodiphenylamine	16.169	169	143616	21.972	ng/ul	97
68) 4-Bromophenyl-phenylether	16.850	248	54706	22.903	ng/ul	85
69) Hexachlorobenzene	16.939	284	59063	21.588	ng/ul	95
70) Atrazine	17.103	200	58764	22.595	ng/ul	97
71) Pentachlorophenol	17.297	266	40399	22.733	ng/ul	97
72) Phenanthrene	17.720	178	298480	21.726	ng/ul	98
74) Anthracene	17.814	178	306511	21.835	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.725	216	71470	21.836	ng/uL	95
76) Pentachlorobenzene	15.217	250	68641	22.673	ng/uL	89
77) Carbazole	18.084	167	252925	21.671	ng/ul	98
78) Di-n-butylphthalate	18.595	149	309971	21.559	ng/ul	99
80) Fluoranthene	19.712	202	342102	22.390	ng/ul	100
82) Pyrene	20.076	202	351444	22.051	ng/ul	99
83) Butylbenzylphthalate	20.934	149	125591	21.815	ng/ul	95
84) 3,3'-Dichlorobenzidine	21.886	252	116570	22.995	ng/ul	95
85) Benzo(a)anthracene	21.974	228	331582	21.771	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.809	149	184045	21.367	ng/ul#	97
87) Chrysene	22.050	228	308720	21.735	ng/ul	99
89) Di-n-octyl phthalate	23.131	149	317001	20.773	ng/ul	100
90) Benzo(b)fluoranthene	24.389	252	323189	21.249	ng/ul	99
91) Benzo(k)fluoranthene	24.471	252	335003	21.244	ng/ul	97
93) Benzo(a)pyrene	25.376	252	313605	21.454	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	29.647	276	349544	21.026	ng/ul	97
95) Dibenzo(a,h)anthracene	29.730	278	278559	20.851	ng/ul	97
96) Benzo(g,h,i)perylene	30.952	276	281946	21.054	ng/ul	98

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

