

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100723\
 Data File : BG059344.D
 Acq On : 7 Oct 2023 16:04
 Operator : MA/JU
 Sample : SSTDICV020
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

SICV406

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/08/2023

Supervised By :mohammad ahmed 10/09/2023

Quant Time: Oct 07 22:51:51 2023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG100723.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Sat Oct 07 22:45:22 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.230	152	41301	20.000	ng/u1	0.00
20) Naphthalene-d8	11.073	136	211822	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.863	164	148647	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.619	188	357319	20.000	ng/u1	0.00
79) Chrysene-d12	21.920	240	310829	20.000	ng/u1	0.00
88) Perylene-d12	25.404	264	372111	20.000	ng/u1	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.529	96	10041	8.668	ng/uL	0.00
4) Pyridine-d5	3.964	84	74077	22.218	ng/u1	0.00
7) Phenol-d5	7.354	99	98050	21.501	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.548	67	56003	21.727	ng/u1	0.00
11) 2-Chlorophenol-d4	7.748	132	69205	21.698	ng/u1	0.00
15) 4-Methylphenol-d8	8.923	113	75437	21.231	ng/u1	0.00
21) Nitrobenzene-d5	9.428	128	38061	21.108	ng/u1	0.00
24) 2-Nitrophenol-d4	10.145	143	44202	22.648	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.674	165	78196	22.198	ng/u1	0.00
31) 4-Chloroaniline-d4	11.214	131	123041	21.989	ng/u1	0.00
46) Dimethylphthalate-d6	14.258	166	271179	22.268	ng/u1	0.00
49) Acenaphthylene-d8	14.569	160	317538	21.911	ng/u1	0.00
54) 4-Nitrophenol-d4	15.057	143	47659	20.884	ng/u1	0.00
60) Fluorene-d10	15.850	176	253197	21.782	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.968	200	49542m	21.000	ng/u1	0.00
73) Anthracene-d10	17.713	188	377759	21.551	ng/u1	0.00
81) Pyrene-d10	19.987	212	422968	22.463	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.157	264	429285	21.923	ng/u1	0.00

Target Compounds

					Qvalue
2) 1,4-Dioxane	3.559	88	9868	7.980	ng/uL# 82
5) Pyridine	3.982	79	72316	21.482	ng/u1 92
6) Benzaldehyde	7.372	77	47379	25.046	ng/u1 92
8) Phenol	7.384	94	96852	21.477	ng/u1# 94
10) Bis(2-Chloroethyl)ether	7.642	93	72868	20.982	ng/u1 97
12) 2-Chlorophenol	7.777	128	72549	21.587	ng/u1 93
13) 2-Methylphenol	8.659	108	72168	21.417	ng/u1 99
14) 2,2'-oxybis(1-Chloropr...	8.735	45	157156	21.628	ng/u1 98
16) Acetophenone	9.070	105	116038	21.491	ng/u1 94
17) N-Nitroso-di-n-propyla...	9.029	70	56692	21.072	ng/u1# 95
18) 4-Methylphenol	8.988	108	79958	21.578	ng/u1 95
19) Hexachloroethane	9.311	117	27646	22.615	ng/u1# 75
22) Nitrobenzene	9.469	77	84410	21.353	ng/u1# 87
23) Isophorone	9.975	82	184791	21.892	ng/u1 99
25) 2-Nitrophenol	10.180	139	45349	22.530	ng/u1 94
26) 2,4-Dimethylphenol	10.204	107	85106	21.434	ng/u1 99
27) Bis(2-Chloroethoxy)met...	10.457	93	113637	22.403	ng/u1 98
29) 2,4-Dichlorophenol	10.703	162	77655	21.892	ng/u1 93
30) Naphthalene	11.120	128	268084	21.883	ng/u1 97
32) 4-Chloroaniline	11.244	127	113654	21.471	ng/u1 100
33) Hexachlorobutadiene	11.350	225	45870	21.417	ng/u1 98
34) Caprolactam	12.019	113	29158m	22.637	ng/u1
35) 4-Chloro-3-methylphenol	12.325	107	80573	21.168	ng/u1 97
36) 2-Methylnaphthalene	12.707	142	181158	22.181	ng/u1 92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.924	142	188934	22.281	ng/ul	92
39) 1,2,4,5-Tetrachloroben...	13.054	216	97257	21.965	ng/ul	96
40) Hexachlorocyclopentadiene	13.007	237	56015	21.073	ng/ul	99
41) 2,4,6-Trichlorophenol	13.300	196	66593	22.165	ng/ul	95
42) 2,4,5-Trichlorophenol	13.371	196	71329	21.860	ng/ul	98
43) 1,1'-Biphenyl	13.700	154	269570	22.034	ng/ul	99
44) 2-Chloronaphthalene	13.753	162	199636	21.228	ng/ul	99
45) 2-Nitroaniline	13.976	65	66875	21.716	ng/ul	93
47) Dimethylphthalate	14.305	163	269185	21.994	ng/ul	97
48) 2,6-Dinitrotoluene	14.452	165	54538	22.087	ng/ul	98
50) Acenaphthylene	14.599	152	340562	21.862	ng/ul	98
51) 3-Nitroaniline	14.793	138	56367	23.313	ng/ul	100
52) Acenaphthene	14.928	153	227762	21.609	ng/ul	97
53) 2,4-Dinitrophenol	14.992	184	26631	15.015	ng/ul	92
55) 4-Nitrophenol	15.075	109	34441	22.368	ng/ul	87
56) Dibenzofuran	15.263	168	315707	21.708	ng/ul	96
57) 2,4-Dinitrotoluene	15.233	165	81482	22.532	ng/ul#	99
58) 2,3,4,6-Tetrachlorophenol	15.474	232	68411	21.850	ng/ul#	96
59) Diethylphthalate	15.650	149	260951	21.437	ng/ul	97
61) Fluorene	15.909	166	271201	21.917	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.891	204	136015	22.245	ng/ul	95
63) 4-Nitroaniline	15.956	138	53174	24.428	ng/ul	93
66) 4,6-Dinitro-2-methylph...	15.985	198	52652	20.984	ng/ul#	95
67) N-Nitrosodiphenylamine	16.115	169	226569	22.407	ng/ul	99
68) 4-Bromophenyl-phenylether	16.790	248	81185	21.396	ng/ul	94
69) Hexachlorobenzene	16.884	284	95177	21.976	ng/ul	95
70) Atrazine	17.043	200	89976	22.443	ng/ul	96
71) Pentachlorophenol	17.243	266	51941	20.635	ng/ul	92
72) Phenanthrene	17.660	178	463400	21.898	ng/ul	99
74) Anthracene	17.748	178	478276	22.222	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.659	216	103877	22.377	ng/uL	90
76) Pentachlorobenzene	15.157	250	106301	22.125	ng/uL	93
77) Carbazole	18.024	167	399064	22.280	ng/ul	97
78) Di-n-butylphthalate	18.529	149	462644	21.832	ng/ul	99
80) Fluoranthene	19.652	202	524920	22.404	ng/ul	96
82) Pyrene	20.016	202	550711	22.616	ng/ul	100
83) Butylbenzylphthalate	20.868	149	200070	22.237	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.808	252	187203	24.142	ng/ul	92
85) Benzo(a)anthracene	21.896	228	526835	22.193	ng/ul	96
86) Bis(2-ethylhexyl)phtha...	21.726	149	296767	22.054	ng/ul#	99
87) Chrysene	21.967	228	489825	21.967	ng/ul	99
89) Di-n-octyl phthalate	23.018	149	504623	21.492	ng/ul	100
90) Benzo(b)fluoranthene	24.270	252	535832	21.855	ng/ul	98
91) Benzo(k)fluoranthene	24.346	252	528754	21.240	ng/ul	98
93) Benzo(a)pyrene	25.233	252	503317	21.551	ng/ul	96
94) Indeno(1,2,3-cd)pyrene	29.423	276	577965m	21.484	ng/ul	
95) Dibenzo(a,h)anthracene	29.505	278	470450	21.506	ng/ul	97
96) Benzo(g,h,i)perylene	30.703	276	454802	21.198	ng/ul	92

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

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