

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031124\
 Data File : BG060610.D
 Acq On : 11 Mar 2024 14:38
 Operator : MA/JU
 Sample : SSTDCCC020EC
 Misc : SFAM-MDL-ME SOIL-01
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

SSTD020488

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 03/11/2024
 Supervised By :mohammad ahmed 03/12/2024

Quant Time: Mar 11 16:40:38 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG030824.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Fri Mar 08 15:23:41 2024

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.323	152	93619	20.000	ng/u1	0.00
20) Naphthalene-d8	11.173	136	429607	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.956	164	295169	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.700	188	638304	20.000	ng/u1	0.00
79) Chrysene-d12	22.025	240	582482	20.000	ng/u1	0.00
88) Perylene-d12	25.591	264	671584	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.611	96	20456	8.249	ng/uL	0.00
4) Pyridine-d5	4.046	84	146886	18.930	ng/u1	0.00
7) Phenol-d5	7.430	99	177569	18.406	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.641	67	113279	18.113	ng/u1	0.00
11) 2-Chlorophenol-d4	7.835	132	128587	19.064	ng/u1	0.00
15) 4-Methylphenol-d8	9.005	113	140060	18.698	ng/u1	0.00
21) Nitrobenzene-d5	9.522	128	57246	20.897	ng/u1	0.00
24) 2-Nitrophenol-d4	10.238	143	56778	21.025	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.767	165	132020	18.990	ng/u1	0.00
31) 4-Chloroaniline-d4	11.314	131	209081	19.348	ng/u1	0.00
46) Dimethylphthalate-d6	14.351	166	446225	19.069	ng/u1	0.00
49) Acenaphthylene-d8	14.657	160	517356	18.882	ng/u1	0.00
54) 4-Nitrophenol-d4	15.115	143	68613	19.454	ng/u1	0.00
60) Fluorene-d10	15.938	176	387604	18.849	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	16.043	200	45261	17.469	ng/u1	0.00
73) Anthracene-d10	17.800	188	612800	19.535	ng/u1	0.00
81) Pyrene-d10	20.074	212	677412	19.303	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.338	264	653708	18.812	ng/u1	0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.646	88	21215	8.068	ng/uL#	79
5) Pyridine	4.069	79	146866	18.661	ng/u1	99
6) Benzaldehyde	7.465	77	103760	22.696	ng/u1	93
8) Phenol	7.459	94	176147	18.045	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.735	93	144743	18.671	ng/u1	96
12) 2-Chlorophenol	7.871	128	133709	18.934	ng/u1	95
13) 2-Methylphenol	8.740	108	138238	18.177	ng/u1	97
14) 2,2'-oxybis(1-Chloropr...	8.828	45	286618m	18.281	ng/u1	
16) Acetophenone	9.169	105	240083	18.783	ng/u1	99
17) N-Nitroso-di-n-propyla...	9.134	70	120654	19.250	ng/u1#	97
18) 4-Methylphenol	9.069	108	156411	18.886	ng/u1	93
19) Hexachloroethane	9.416	117	53139	19.208	ng/u1	92
22) Nitrobenzene	9.563	77	158569	20.719	ng/u1	98
23) Isophorone	10.074	82	343952	18.917	ng/u1	99
25) 2-Nitrophenol	10.274	139	67507	21.708	ng/u1	97
26) 2,4-Dimethylphenol	10.291	107	160616	19.019	ng/u1	97
27) Bis(2-Chloroethoxy)met...	10.556	93	200620	18.974	ng/u1	95
29) 2,4-Dichlorophenol	10.791	162	132054	19.016	ng/u1	98
30) Naphthalene	11.225	128	491654	19.357	ng/u1	98
32) 4-Chloroaniline	11.337	127	200830	19.041	ng/u1	99
33) Hexachlorobutadiene	11.455	225	95501	18.587	ng/u1	95
34) Caprolactam	12.107	113	46008	19.351	ng/u1	86
35) 4-Chloro-3-methylphenol	12.401	107	161168	19.341	ng/u1	99
36) 2-Methylnaphthalene	12.800	142	321868	19.288	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	13.017	142	324551	19.416	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	13.147	216	180997	18.630	ng/ul	97
40) Hexachlorocyclopentadiene	13.100	237	112418	18.999	ng/ul	95
41) 2,4,6-Trichlorophenol	13.382	196	113336	18.737	ng/ul#	97
42) 2,4,5-Trichlorophenol	13.446	196	122831	19.037	ng/ul	94
43) 1,1'-Biphenyl	13.793	154	445122	18.783	ng/ul	97
44) 2-Chloronaphthalene	13.846	162	346136	18.403	ng/ul	97
45) 2-Nitroaniline	14.057	65	108083	21.037	ng/ul	96
47) Dimethylphthalate	14.398	163	454471	19.082	ng/ul	99
48) 2,6-Dinitrotoluene	14.539	165	68653	20.060	ng/ul#	97
50) Acenaphthylene	14.686	152	593810	18.960	ng/ul	99
51) 3-Nitroaniline	14.874	138	82245	20.396	ng/ul	98
52) Acenaphthene	15.015	153	389997	18.760	ng/ul	98
53) 2,4-Dinitrophenol	15.062	184	30222	17.363	ng/ul	94
55) 4-Nitrophenol	15.133	109	63627	18.678	ng/ul	97
56) Dibenzofuran	15.350	168	520835	18.665	ng/ul	96
57) 2,4-Dinitrotoluene	15.309	165	97394	20.944	ng/ul	90
58) 2,3,4,6-Tetrachlorophenol	15.556	232	105925	19.271	ng/ul#	95
59) Diethylphthalate	15.744	149	467907	19.261	ng/ul	99
61) Fluorene	15.996	166	444927	19.247	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.979	204	220507	19.047	ng/ul	95
63) 4-Nitroaniline	16.032	138	84576m	21.057	ng/ul	
66) 4,6-Dinitro-2-methylph...	16.061	198	49322	17.239	ng/ul#	91
67) N-Nitrosodiphenylamine	16.196	169	385060	18.883	ng/ul	98
68) 4-Bromophenyl-phenylether	16.878	248	141295	19.255	ng/ul	96
69) Hexachlorobenzene	16.966	284	166761	19.011	ng/ul	96
70) Atrazine	17.130	200	137469	19.895	ng/ul	97
71) Pentachlorophenol	17.318	266	83470	17.269	ng/ul	96
72) Phenanthrene	17.747	178	709217	19.362	ng/ul	97
74) Anthracene	17.835	178	729988	19.569	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.752	216	175680	18.425	ng/uL	97
76) Pentachlorobenzene	15.244	250	178938	18.230	ng/uL	99
77) Carbazole	18.111	167	633573	19.804	ng/ul	99
78) Di-n-butylphthalate	18.623	149	769451	19.691	ng/ul	99
80) Fluoranthene	19.739	202	810358	19.458	ng/ul	97
82) Pyrene	20.103	202	836210	19.171	ng/ul	100
83) Butylbenzylphthalate	20.967	149	313556	19.545	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.913	252	268057	20.123	ng/ul	96
85) Benzo(a)anthracene	22.007	228	832324	19.241	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.848	149	453084	19.008	ng/ul	98
87) Chrysene	22.077	228	795785	19.323	ng/ul	99
89) Di-n-octyl phthalate	23.188	149	758732	18.171	ng/ul	100
90) Benzo(b)fluoranthene	24.439	252	775086	18.987	ng/ul	96
91) Benzo(k)fluoranthene	24.510	252	800408	18.782	ng/ul	98
93) Benzo(a)pyrene	25.421	252	744941	18.814	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	29.721	276	917421m	18.758	ng/ul	
95) Dibenzo(a,h)anthracene	29.810	278	758220	18.973	ng/ul	98
96) Benzo(g,h,i)perylene	31.026	276	739586	18.834	ng/ul	99

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

