

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022423\
 Data File : BG056720.D
 Acq On : 24 Feb 2023 13:15
 Operator : CG/JU
 Sample : 01378-05
 Misc : SFAM-MDL-ME-SOIL-01
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MED-SOIL-QT1-2023-01

Quant Time: Feb 24 14:04:50 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG022323.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Feb 23 15:40:42 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/27/2023
 Supervised By :Jagrut Upadhyay 02/27/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.420	152	17144	20.000	ng/ul	0.00
20) Naphthalene-d8	11.258	136	75967	20.000	ng/ul	0.00
38) Acenaphthene-d10	15.024	164	61041	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.756	188	159399	20.000	ng/ul	0.00
79) Chrysene-d12	22.068	240	141781	20.000	ng/ul	0.00
88) Perylene-d12	25.594	264	145826	20.000	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.696	96	1322	4.278	ng/uL	-0.01
4) Pyridine-d5	4.142	84	15200	12.185	ng/ul	0.00
7) Phenol-d5	7.544	99	29871	17.412	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.721	67	18331	17.517	ng/ul	0.00
11) 2-Chlorophenol-d4	7.944	132	20491	17.986	ng/ul	0.00
15) 4-Methylphenol-d8	9.107	113	23178	17.681	ng/ul	-0.01
21) Nitrobenzene-d5	9.595	128	11271	17.704	ng/ul	0.00
24) 2-Nitrophenol-d4	10.323	143	14179	18.710	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.864	165	24073	16.862	ng/ul	0.00
31) 4-Chloroaniline-d4	11.375	131	33294	17.880	ng/ul	-0.01
46) Dimethylphthalate-d6	14.407	166	89635	18.200	ng/ul	-0.01
49) Acenaphthylene-d8	14.724	160	100105	17.884	ng/ul	0.00
54) 4-Nitrophenol-d4	15.176	143	14517	17.097	ng/ul	0.00
60) Fluorene-d10	16.005	176	80356	17.639	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	16.105	200	17035	15.974	ng/ul	-0.01
73) Anthracene-d10	17.856	188	131623	17.021	ng/ul	0.00
81) Pyrene-d10	20.112	212	158807	16.553	ng/ul	-0.01
92) Benzo(a)pyrene-d12	25.353	264	137054	17.412	ng/ul	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.737	88	445	1.168	ng/uL	88
5) Pyridine	4.160	79	5199m	3.935	ng/ul	
6) Benzaldehyde	7.538	77	4137	4.603	ng/ul	97
8) Phenol	7.568	94	7086	4.049	ng/ul	94
10) Bis(2-Chloroethyl)ether	7.815	93	5558	4.470	ng/ul	89
12) 2-Chlorophenol	7.973	128	4746	4.207	ng/ul	95
13) 2-Methylphenol	8.843	108	4907	3.718	ng/ul	97
14) 2,2'-oxybis(1-Chloropr...	8.937	45	6870	4.112	ng/ul	95
16) Acetophenone	9.242	105	9385	4.181	ng/ul#	93
17) N-Nitroso-di-n-propyla...	9.219	70	5459	4.238	ng/ul#	98
18) 4-Methylphenol	9.166	108	5916	4.125	ng/ul	100
19) Hexachloroethane	9.530	117	1901	3.962	ng/ul#	65
22) Nitrobenzene	9.636	77	7970	4.317	ng/ul	91
23) Isophorone	10.159	82	15062	4.173	ng/ul	98
25) 2-Nitrophenol	10.353	139	3351	4.480	ng/ul#	88
26) 2,4-Dimethylphenol	10.394	107	5770	3.454	ng/ul	92
27) Bis(2-Chloroethoxy)met...	10.635	93	7485	4.103	ng/ul#	86
29) 2,4-Dichlorophenol	10.887	162	5930	4.289	ng/ul#	84
30) Naphthalene	11.310	128	17338	4.146	ng/ul#	94
32) 4-Chloroaniline	11.399	127	7525	4.080	ng/ul	91
33) Hexachlorobutadiene	11.581	225	4581	4.158	ng/ul#	76
34) Caprolactam	12.145	113	2349	4.998	ng/ul#	74
35) 4-Chloro-3-methylphenol	12.486	107	6658	4.192	ng/ul	92
36) 2-Methylnaphthalene	12.879	142	12563	4.195	ng/ul	90

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022423\
 Data File : BG056720.D
 Acq On : 24 Feb 2023 13:15
 Operator : CG/JU
 Sample : 01378-05
 Misc : SFAM-MDL-ME-SOIL-01
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MED-SOIL-QT1-2023-01

Quant Time: Feb 24 14:04:50 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG022323.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Feb 23 15:40:42 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/27/2023
 Supervised By :Jagrut Upadhyay 02/27/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	13.097	142	11346	3.843	ng/ul	92
39) 1,2,4,5-Tetrachloroben...	13.238	216	9210	4.256	ng/ul	99
40) Hexachlorocyclopentadiene	13.220	237	6441	4.154	ng/ul	98
41) 2,4,6-Trichlorophenol	13.467	196	5992	4.144	ng/ul	96
42) 2,4,5-Trichlorophenol	13.531	196	6402	4.077	ng/ul	97
43) 1,1'-Biphenyl	13.860	154	19679	4.384	ng/ul	95
44) 2-Chloronaphthalene	13.913	162	15823	4.261	ng/ul	94
45) 2-Nitroaniline	14.101	65	5286	4.101	ng/ul	93
47) Dimethylphthalate	14.454	163	20909	4.175	ng/ul#	96
48) 2,6-Dinitrotoluene	14.577	165	4267	4.156	ng/ul	96
50) Acenaphthylene	14.748	152	24295	4.296	ng/ul#	92
51) 3-Nitroaniline	14.912	138	4047	4.404	ng/ul	94
52) Acenaphthene	15.088	153	16434	4.231	ng/ul	86
53) 2,4-Dinitrophenol	15.112	184	2818	4.284	ng/ul	92
55) 4-Nitrophenol	15.188	109	3822	3.889	ng/ul	85
56) Dibenzofuran	15.417	168	24672	4.184	ng/ul	98
57) 2,4-Dinitrotoluene	15.359	165	6003	4.078	ng/ul#	92
58) 2,3,4,6-Tetrachlorophenol	15.635	232	5740	3.928	ng/ul#	88
59) Diethylphthalate	15.799	149	21242	4.237	ng/ul	99
61) Fluorene	16.064	166	20548	4.352	ng/ul	96
62) 4-Chlorophenyl-phenyle...	16.040	204	11350	4.058	ng/ul	92
63) 4-Nitroaniline	16.064	138	3805	4.238	ng/ul	87
66) 4,6-Dinitro-2-methylph...	16.117	198	4918	4.790	ng/ul#	97
67) N-Nitrosodiphenylamine	16.252	169	18444	4.161	ng/ul	98
68) 4-Bromophenyl-phenylether	16.933	248	8300	4.109	ng/ul#	92
69) Hexachlorobenzene	17.063	284	9036	4.164	ng/ul#	90
70) Atrazine	17.180	200	8604	4.469	ng/ul	99
71) Pentachlorophenol	17.397	266	4850m	3.936	ng/ul	
72) Phenanthrene	17.803	178	34924	4.045	ng/ul	98
74) Anthracene	17.891	178	35667	4.088	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.837	216	8517	3.493	ng/uL	91
76) Pentachlorobenzene	15.335	250	8816	3.565	ng/uL	93
77) Carbazole	18.149	167	31411	4.302	ng/ul	97
78) Di-n-butylphthalate	18.678	149	34802	4.136	ng/ul	97
80) Fluoranthene	19.783	202	44684	3.852	ng/ul	99
82) Pyrene	20.141	202	44707	3.912	ng/ul#	97
83) Butylbenzylphthalate	21.005	149	14721	4.060	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.939	252	16018	4.506	ng/ul	95
85) Benzo(a)anthracene	22.045	228	42735	4.141	ng/ul	93
86) Bis(2-ethylhexyl)phtha...	21.910	149	21274	4.177	ng/ul#	93
87) Chrysene	22.115	228	39058	4.064	ng/ul	99
89) Di-n-octyl phthalate	23.220	149	35923	4.531	ng/ul	100
90) Benzo(b)fluoranthene	24.460	252	41921	4.294	ng/ul	98
91) Benzo(k)fluoranthene	24.530	252	41303m	4.344	ng/ul	
93) Benzo(a)pyrene	25.423	252	36665	4.273	ng/ul#	96
94) Indeno(1,2,3-cd)pyrene	29.636	276	48552m	4.165	ng/ul	
95) Dibenzo(a,h)anthracene	29.724	278	39934	4.097	ng/ul#	91
96) Benzo(g,h,i)perylene	30.929	276	38898m	4.177	ng/ul	

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

