

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022422\
 Data File : BG052481.D
 Acq On : 24 Feb 2022 17:10
 Operator : CG/JU
 Sample : N1331-03
 Misc : SFAM-MDL-SOIL01
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-QT1-2022-01

Quant Time: Feb 24 17:49:03 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG022222.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Feb 22 17:32:12 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/25/2022
 Supervised By :mohammad ahmed 02/28/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.222	152	22010	20.000	ng/u1	0.00
20) Naphthalene-d8	11.059	136	94170	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.866	164	69179	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.615	188	179801	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.927	240	194763	20.000	ng/u1	# 0.00
88) Perylene-d12	25.393	264	191475	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.546	96	2323	4.140	ng/uL	0.00
4) Pyridine-d5	3.981	84	19947	11.784	ng/u1	0.00
7) Phenol-d5	7.364	99	30346	14.540	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.523	67	19821	16.251	ng/u1	0.00
11) 2-Chlorophenol-d4	7.746	132	22254	15.181	ng/u1	0.00
15) 4-Methylphenol-d8	8.927	113	23541	14.497	ng/u1	0.00
21) Nitrobenzene-d5	9.385	128	11727	14.608	ng/u1	-0.01
24) 2-Nitrophenol-d4	10.125	143	12928	14.702	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.672	165	23634	14.413	ng/u1	0.00
31) 4-Chloroaniline-d4	11.189	131	32236	14.186	ng/u1	0.00
46) Dimethylphthalate-d6	14.255	166	90317	16.060	ng/u1	0.00
49) Acenaphthylene-d8	14.560	160	104457	15.046	ng/u1	0.00
54) 4-Nitrophenol-d4	15.060	143	11412m	12.765	ng/u1	0.00
60) Fluorene-d10	15.853	176	79158	16.023	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.970	200	14198	12.454	ng/u1	0.00
73) Anthracene-d10	17.715	188	138756	15.974	ng/u1	0.00
81) Pyrene-d10	19.994	212	173448	15.219	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.152	264	175560	17.090	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.581	88	1051	1.610	ng/uL#	93
5) Pyridine	4.004	79	7450m	4.359	ng/u1	
6) Benzaldehyde	7.341	77	5290	4.463	ng/u1	89
8) Phenol	7.394	94	8328	3.945	ng/u1	90
10) Bis(2-Chloroethyl)ether	7.623	93	7246	4.641	ng/u1	88
12) 2-Chlorophenol	7.775	128	6333	4.147	ng/u1	94
13) 2-Methylphenol	8.668	108	6627	4.147	ng/u1#	72
14) 2,2'-oxybis(1-Chloropr...	8.739	45	9342	4.372	ng/u1#	93
16) Acetophenone	9.050	105	11119	4.444	ng/u1	93
17) N-Nitroso-di-n-propyla...	9.021	70	6374	4.327	ng/u1#	88
18) 4-Methylphenol	8.991	108	6962	4.097	ng/u1	98
19) Hexachloroethane	9.315	117	2676	4.482	ng/u1	93
22) Nitrobenzene	9.438	77	9086	4.415	ng/u1#	90
23) Isophorone	9.961	82	16030	4.038	ng/u1#	91
25) 2-Nitrophenol	10.155	139	3844	4.160	ng/u1#	84
26) 2,4-Dimethylphenol	10.207	107	7841	4.126	ng/u1	88
27) Bis(2-Chloroethoxy)met...	10.437	93	9425	4.386	ng/u1#	98
29) 2,4-Dichlorophenol	10.707	162	6358	4.099	ng/u1#	91
30) Naphthalene	11.106	128	23585	4.502	ng/u1	95
32) 4-Chloroaniline	11.212	127	10149	4.354	ng/u1	90
33) Hexachlorobutadiene	11.394	225	5339	4.362	ng/u1#	87
34) Caprolactam	11.952	113	2147m	3.720	ng/u1	
35) 4-Chloro-3-methylphenol	12.322	107	7044	4.066	ng/u1	95
36) 2-Methylnaphthalene	12.704	142	16074	4.282	ng/u1	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.921	142	16980	4.445	ng/ul#	96
39) 1,2,4,5-Tetrachloroben...	13.074	216	10404	4.285	ng/ul	98
40) Hexachlorocyclopentadiene	13.051	237	4015	3.416	ng/ul#	92
41) 2,4,6-Trichlorophenol	13.309	196	4638m	3.185	ng/ul	
42) 2,4,5-Trichlorophenol	13.391	196	5217	3.362	ng/ul	90
43) 1,1'-Biphenyl	13.697	154	24219	4.403	ng/ul#	96
44) 2-Chloronaphthalene	13.744	162	18293	4.373	ng/ul	93
45) 2-Nitroaniline	13.944	65	5300	3.879	ng/ul	96
47) Dimethylphthalate	14.302	163	24000	4.366	ng/ul	97
48) 2,6-Dinitrotoluene	14.425	165	5012	4.163	ng/ul#	86
50) Acenaphthylene	14.590	152	29241	4.215	ng/ul	98
51) 3-Nitroaniline	14.766	138	3677	3.751	ng/ul	89
52) Acenaphthene	14.931	153	19548	4.284	ng/ul	93
53) 2,4-Dinitrophenol	14.983	184	2315m	3.889	ng/ul	
55) 4-Nitrophenol	15.077	109	3161	3.646	ng/ul#	74
56) Dibenzofuran	15.259	168	29322	4.471	ng/ul	99
57) 2,4-Dinitrotoluene	15.212	165	7013	4.022	ng/ul#	92
58) 2,3,4,6-Tetrachlorophenol	15.489	232	4516	3.211	ng/ul#	77
59) Diethylphthalate	15.659	149	25596	4.606	ng/ul#	96
61) Fluorene	15.912	166	24320	4.408	ng/ul	96
62) 4-Chlorophenyl-phenyle...	15.894	204	13003	4.331	ng/ul	95
63) 4-Nitroaniline	15.923	138	3304	3.510	ng/ul	94
66) 4,6-Dinitro-2-methylph...	15.982	198	3686	3.336	ng/ul#	79
67) N-Nitrosodiphenylamine	16.105	169	20848	4.115	ng/ul	94
68) 4-Bromophenyl-phenylether	16.793	248	9129	4.230	ng/ul#	85
69) Hexachlorobenzene	16.922	284	10612	4.286	ng/ul#	84
70) Atrazine	17.045	200	8436	3.778	ng/ul	98
71) Pentachlorophenol	17.286	266	4980m	4.465	ng/ul	
72) Phenanthrene	17.656	178	42852	4.425	ng/ul	97
74) Anthracene	17.744	178	43843	4.498	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.668	216	11186	3.933	ng/uL	97
76) Pentachlorobenzene	15.183	250	11400	4.198	ng/uL	99
77) Carbazole	18.015	167	38189	4.411	ng/ul	95
78) Di-n-butylphthalate	18.555	149	42208	4.100	ng/ul	99
80) Fluoranthene	19.659	202	55810	4.148	ng/ul#	92
82) Pyrene	20.024	202	57593	4.310	ng/ul#	92
83) Butylbenzylphthalate	20.887	149	19170	3.969	ng/ul	85
84) 3,3'-Dichlorobenzidine	21.815	252	17933	4.168	ng/ul#	92
85) Benzo(a)anthracene	21.909	228	57096	4.326	ng/ul	94
86) Bis(2-ethylhexyl)phtha...	21.786	149	27321	4.035	ng/ul#	95
87) Chrysene	21.974	228	55217	4.364	ng/ul	94
89) Di-n-octyl phthalate	23.072	149	45003	4.065	ng/ul	100
90) Benzo(b)fluoranthene	24.283	252	56825	4.257	ng/ul#	94
91) Benzo(k)fluoranthene	24.359	252	53654	4.357	ng/ul#	90
93) Benzo(a)pyrene	25.222	252	51661	4.114	ng/ul#	94
94) Indeno(1,2,3-cd)pyrene	29.387	276	61758m	4.325	ng/ul	
95) Dibenzo(a,h)anthracene	29.440	278	52151	4.278	ng/ul#	88
96) Benzo(g,h,i)perylene	30.633	276	50763m	4.234	ng/ul	

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

