

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022422\
 Data File : BG052478.D
 Acq On : 24 Feb 2022 15:15
 Operator : CG/JU
 Sample : N1331-03
 Misc : SFAM-MDL-SOIL01
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Feb 24 16:57:08 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	8.217	152	20527	20.000	ng/u1	0.00
20) Naphthalene-d8	11.054	136	87589	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.861	164	65551	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.610	188	168381	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.928	240	181542	20.000	ng/u1	# 0.00
88) Perylene-d12	25.394	264	181889	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.541	96	1786	3.413	ng/uL	0.00
4) Pyridine-d5	3.976	84	21021	13.316	ng/u1	0.00
7) Phenol-d5	7.365	99	29202	15.003	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.524	67	19989	17.573	ng/u1	0.00
11) 2-Chlorophenol-d4	7.747	132	22172	16.218	ng/u1	0.00
15) 4-Methylphenol-d8	8.928	113	22936	15.145	ng/u1	0.00
21) Nitrobenzene-d5	9.392	128	11733	15.713	ng/u1	0.00
24) 2-Nitrophenol-d4	10.126	143	12857	15.720	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.673	165	23097	15.144	ng/u1	0.00
31) 4-Chloroaniline-d4	11.184	131	31337	14.826	ng/u1	0.00
46) Dimethylphthalate-d6	14.250	166	88336	16.577	ng/u1	0.00
49) Acenaphthylene-d8	14.556	160	101896	15.490	ng/u1	0.00
54) 4-Nitrophenol-d4	15.061	143	11756m	13.878	ng/u1	0.00
60) Fluorene-d10	15.854	176	76301	16.299	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.965	200	14436	13.521	ng/u1	0.00
73) Anthracene-d10	17.710	188	134579	16.544	ng/u1	0.00
81) Pyrene-d10	19.989	212	167605	15.778	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.147	264	174357	17.868	ng/u1	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.576	88	1032	1.695	ng/uL#	80
5) Pyridine	3.999	79	7229	4.536	ng/u1	93
6) Benzaldehyde	7.342	77	5065	4.582	ng/u1#	87
8) Phenol	7.389	94	7976	4.051	ng/u1#	85
10) Bis(2-Chloroethyl)ether	7.618	93	6916	4.750	ng/u1	97
12) 2-Chlorophenol	7.777	128	5998	4.211	ng/u1	97
13) 2-Methylphenol	8.664	108	5912	3.967	ng/u1	94
14) 2,2'-oxybis(1-Chloropr...	8.746	45	9177	4.605	ng/u1	99
16) Acetophenone	9.045	105	10442	4.475	ng/u1	97
17) N-Nitroso-di-n-propyla...	9.016	70	6134	4.465	ng/u1#	93
18) 4-Methylphenol	8.993	108	6705	4.231	ng/u1	99
19) Hexachloroethane	9.322	117	2690	4.830	ng/u1	90
22) Nitrobenzene	9.433	77	8308	4.340	ng/u1	96
23) Isophorone	9.956	82	15506	4.199	ng/u1#	88
25) 2-Nitrophenol	10.162	139	3715	4.322	ng/u1#	89
26) 2,4-Dimethylphenol	10.203	107	7993	4.521	ng/u1	91
27) Bis(2-Chloroethoxy)met...	10.438	93	8695	4.350	ng/u1	93
29) 2,4-Dichlorophenol	10.702	162	5890	4.082	ng/u1	95
30) Naphthalene	11.107	128	22582	4.634	ng/u1	99
32) 4-Chloroaniline	11.207	127	9229	4.256	ng/u1	91
33) Hexachlorobutadiene	11.389	225	5035	4.422	ng/u1	90
34) Caprolactam	11.959	113	2216m	4.128	ng/u1	
35) 4-Chloro-3-methylphenol	12.329	107	6039	3.747	ng/u1	91
36) 2-Methylnaphthalene	12.705	142	16158	4.628	ng/u1	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.923	142	15564	4.380	ng/ul#	99
39) 1,2,4,5-Tetrachloroben...	13.069	216	9689	4.212	ng/ul	92
40) Hexachlorocyclopentadiene	13.052	237	4052	3.638	ng/ul#	83
41) 2,4,6-Trichlorophenol	13.310	196	4701	3.407	ng/ul	85
42) 2,4,5-Trichlorophenol	13.392	196	5322	3.619	ng/ul	86
43) 1,1'-Biphenyl	13.698	154	22056	4.232	ng/ul#	93
44) 2-Chloronaphthalene	13.745	162	17030	4.296	ng/ul	98
45) 2-Nitroaniline	13.945	65	4551	3.515	ng/ul#	72
47) Dimethylphthalate	14.297	163	23472	4.506	ng/ul#	95
48) 2,6-Dinitrotoluene	14.426	165	4292	3.763	ng/ul	97
50) Acenaphthylene	14.585	152	28621	4.354	ng/ul#	93
51) 3-Nitroaniline	14.761	138	3805	4.096	ng/ul#	83
52) Acenaphthene	14.926	153	19129	4.425	ng/ul	86
53) 2,4-Dinitrophenol	14.984	184	1955	3.466	ng/ul#	71
55) 4-Nitrophenol	15.078	109	2992m	3.642	ng/ul	
56) Dibenzofuran	15.261	168	29004	4.667	ng/ul	94
57) 2,4-Dinitrotoluene	15.219	165	6784	4.106	ng/ul#	78
58) 2,3,4,6-Tetrachlorophenol	15.496	232	4965	3.725	ng/ul#	79
59) Diethylphthalate	15.660	149	24225	4.601	ng/ul	97
61) Fluorene	15.907	166	24230	4.635	ng/ul	94
62) 4-Chlorophenyl-phenyle...	15.895	204	13504	4.746	ng/ul	87
63) 4-Nitroaniline	15.918	138	2923m	3.277	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.989	198	3221	3.113	ng/ul#	93
67) N-Nitrosodiphenylamine	16.106	169	20879	4.401	ng/ul	91
68) 4-Bromophenyl-phenylether	16.794	248	8995	4.451	ng/ul#	80
69) Hexachlorobenzene	16.923	284	9925	4.280	ng/ul#	84
70) Atrazine	17.040	200	9173	4.387	ng/ul	94
71) Pentachlorophenol	17.281	266	4373m	4.187	ng/ul	
72) Phenanthrene	17.657	178	41873	4.617	ng/ul	98
74) Anthracene	17.745	178	41934m	4.594	ng/ul	
75) 1,2,3,4-Tetrachloroben...	13.674	216	10479	3.934	ng/uL#	94
76) Pentachlorobenzene	15.184	250	10793	4.244	ng/uL	92
77) Carbazole	18.016	167	35574	4.388	ng/ul	94
78) Di-n-butylphthalate	18.556	149	42179	4.375	ng/ul	99
80) Fluoranthene	19.660	202	56045	4.469	ng/ul#	88
82) Pyrene	20.019	202	56913	4.570	ng/ul#	92
83) Butylbenzylphthalate	20.888	149	17953	3.987	ng/ul#	87
84) 3,3'-Dichlorobenzidine	21.811	252	17350	4.326	ng/ul#	94
85) Benzo(a)anthracene	21.910	228	55452	4.508	ng/ul	96
86) Bis(2-ethylhexyl)phtha...	21.781	149	25700	4.072	ng/ul#	98
87) Chrysene	21.981	228	55055	4.668	ng/ul	94
89) Di-n-octyl phthalate	23.073	149	42578	4.048	ng/ul	100
90) Benzo(b)fluoranthene	24.278	252	55813	4.401	ng/ul#	95
91) Benzo(k)fluoranthene	24.348	252	53656	4.587	ng/ul#	95
93) Benzo(a)pyrene	25.224	252	52135	4.370	ng/ul#	94
94) Indeno(1,2,3-cd)pyrene	29.371	276	59391	4.378	ng/ul#	92
95) Dibenzo(a,h)anthracene	29.430	278	50192m	4.334	ng/ul	
96) Benzo(g,h,i)perylene	30.622	276	51137m	4.490	ng/ul	

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

