

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN090722\
 Data File : BN021626.D
 Acq On : 07 Sep 2022 14:28
 Operator : CG/JU
 Sample : N3670-06
 Misc : SFAM-MDL-ME SOIL02-4NG
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-MED-SOIL-QT2-2022-04

Quant Time: Sep 07 14:56:30 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN081922.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Sep 07 01:01:49 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 09/07/2022
 Supervised By :mohammad ahmed 09/08/2022

Supervised By :mohammad
 ahmed
 09/08/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.063	152	220860	20.000	ng/u1	0.00
20) Naphthalene-d8	10.892	136	970768	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.722	164	642023	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.469	188	1346765	20.000	ng/u1	0.00
79) Chrysene-d12	21.662	240	1225877	20.000	ng/u1	0.00
88) Perylene-d12	24.180	264	1122427	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.363	96	20361	3.461	ng/uL	0.00
4) Pyridine-d5	3.793	84	264739	16.513	ng/u1	0.00
7) Phenol-d5	7.210	99	343759	17.161	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.381	67	225787	18.621	ng/u1	0.00
11) 2-Chlorophenol-d4	7.587	132	276732	18.988	ng/u1	0.00
15) 4-Methylphenol-d8	8.775	113	279164	17.762	ng/u1	0.00
21) Nitrobenzene-d5	9.240	128	138111	20.882	ng/u1	0.00
24) 2-Nitrophenol-d4	9.969	143	143019	24.210	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.510	165	255590	19.536	ng/u1	0.00
31) 4-Chloroaniline-d4	11.034	131	408440	18.382	ng/u1	0.00
46) Dimethylphthalate-d6	14.122	166	878446	20.018	ng/u1	0.00
49) Acenaphthylene-d8	14.416	160	1047527	20.476	ng/u1	0.00
54) 4-Nitrophenol-d4	14.910	143	156666	17.941	ng/u1	0.00
60) Fluorene-d10	15.710	176	728981	19.092	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.822	200	119654	22.212	ng/u1	0.00
73) Anthracene-d10	17.569	188	1105160	18.621	ng/u1	0.00
81) Pyrene-d10	19.863	212	1270312	21.790	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.009	264	1088147	20.453	ng/u1	0.00
Target Compounds						
2) 1,4-Dioxane	3.405	88	7080	1.169	ng/uL	96
5) Pyridine	3.816	79	62925	3.901	ng/u1	88
6) Benzaldehyde	7.187	77	44998	5.170	ng/u1	95
8) Phenol	7.240	94	77020	3.721	ng/u1	94
10) Bis(2-Chloroethyl)ether	7.475	93	63921	3.873	ng/u1	97
12) 2-Chlorophenol	7.616	128	59359	3.797	ng/u1	100
13) 2-Methylphenol	8.510	108	55046	3.500	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.593	45	84069	4.038	ng/u1	95
16) Acetophenone	8.893	105	97902	3.938	ng/u1	97
17) N-Nitroso-di-n-propyla...	8.875	70	48578	3.925	ng/u1	93
18) 4-Methylphenol	8.840	108	62707	3.630	ng/u1	99
19) Hexachloroethane	9.157	117	24144	3.874	ng/u1	90
22) Nitrobenzene	9.281	77	70757	4.341	ng/u1	97
23) Isophorone	9.804	82	131045	3.905	ng/u1	100
25) 2-Nitrophenol	9.998	139	32730	4.730	ng/u1	97
26) 2,4-Dimethylphenol	10.057	107	65942	3.848	ng/u1	92
27) Bis(2-Chloroethoxy)met...	10.298	93	89964	4.280	ng/u1	99
29) 2,4-Dichlorophenol	10.534	162	56358	4.111	ng/u1	93
30) Naphthalene	10.945	128	204725	4.050	ng/u1	100
32) 4-Chloroaniline	11.057	127	89740	3.897	ng/u1	99
33) Hexachlorobutadiene	11.228	225	33291	4.216	ng/u1	94
34) Caprolactam	11.834	113	21586	4.117	ng/u1	92
35) 4-Chloro-3-methylphenol	12.175	107	60159	3.894	ng/u1	94
36) 2-Methylnaphthalene	12.551	142	139243	4.072	ng/u1	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
37) 1-Methylnaphthalene	12.769	142	147244	4.285	ng/ul	97	09/07/2022
39) 1,2,4,5-Tetrachloroben...	12.916	216	66462	4.037	ng/ul	91	Supervised By :mohammad ahmed
40) Hexachlorocyclopentadiene	12.892	237	33024	3.369	ng/ul#	90	
41) 2,4,6-Trichlorophenol	13.157	196	40192	3.935	ng/ul	96	
42) 2,4,5-Trichlorophenol	13.222	196	44104	3.935	ng/ul	97	
43) 1,1'-Biphenyl	13.557	154	194502	4.146	ng/ul	97	
44) 2-Chloronaphthalene	13.598	162	147469	4.106	ng/ul	98	09/08/2022
45) 2-Nitroaniline	13.804	65	34865	3.870	ng/ul	96	
47) Dimethylphthalate	14.169	163	188797	4.206	ng/ul	98	
48) 2,6-Dinitrotoluene	14.292	165	28829	3.744	ng/ul	99	
50) Acenaphthylene	14.439	152	240613	4.074	ng/ul	99	
51) 3-Nitroaniline	14.622	138	33125	3.861	ng/ul	97	
52) Acenaphthene	14.780	153	159594	4.182	ng/ul	100	
53) 2,4-Dinitrophenol	14.828	184	15029	3.987	ng/ul	97	
55) 4-Nitrophenol	14.922	109	27740	3.963	ng/ul	84	
56) Dibenzofuran	15.116	168	233042	4.250	ng/ul	98	
57) 2,4-Dinitrotoluene	15.080	165	44416	3.971	ng/ul	98	
58) 2,3,4,6-Tetrachlorophenol	15.339	232	35095	4.079	ng/ul	94	
59) Diethylphthalate	15.527	149	184142	4.068	ng/ul	98	
61) Fluorene	15.763	166	181936	4.207	ng/ul	93	
62) 4-Chlorophenyl-phenyle...	15.757	204	84858	4.257	ng/ul	96	
63) 4-Nitroaniline	15.786	138	34294	3.983	ng/ul	96	
66) 4,6-Dinitro-2-methylph...	15.839	198	29396	5.151	ng/ul#	92	
67) N-Nitrosodiphenylamine	15.969	169	149979	3.973	ng/ul	93	
68) 4-Bromophenyl-phenylether	16.651	248	49067	4.097	ng/ul	89	
69) Hexachlorobenzene	16.769	284	58981	4.137	ng/ul	93	
70) Atrazine	16.916	200	52303	3.916	ng/ul	95	
71) Pentachlorophenol	17.116	266	30872	3.889	ng/ul	98	
72) Phenanthrene	17.510	178	290765	4.087	ng/ul	99	
74) Anthracene	17.604	178	287173	4.054	ng/ul	97	
75) 1,2,3,4-Tetrachloroben...	13.522	216	69234	4.039	ng/uL	98	
76) Pentachlorobenzene	15.033	250	79109	4.845	ng/uL	89	
77) Carbazole	17.874	167	261044	3.900	ng/ul	100	
78) Di-n-butylphthalate	18.427	149	296873	3.934	ng/ul	100	
80) Fluoranthene	19.527	202	332471	4.728	ng/ul	97	
82) Pyrene	19.892	202	347842	4.746	ng/ul#	94	
83) Butylbenzylphthalate	20.780	149	121730	4.388	ng/ul#	98	
84) 3,3'-Dichlorobenzidine	21.574	252	124574	5.330	ng/ul#	89	
85) Benzo(a)anthracene	21.645	228	310779	4.210	ng/ul	97	
86) Bis(2-ethylhexyl)phtha...	21.557	149	174791	4.115	ng/ul#	95	
87) Chrysene	21.698	228	308409	4.316	ng/ul	98	
89) Di-n-octyl phthalate	22.521	149	279462	4.251	ng/ul	100	
90) Benzo(b)fluoranthene	23.404	252	298625	4.373	ng/ul#	95	
91) Benzo(k)fluoranthene	23.451	252	271279	4.441	ng/ul#	97	
93) Benzo(a)pyrene	24.062	252	285888	4.376	ng/ul#	95	
94) Indeno(1,2,3-cd)pyrene	26.827	276	283318	3.532	ng/ul	92	
95) Dibenzo(a,h)anthracene	26.850	278	239574	3.539	ng/ul	95	
96) Benzo(g,h,i)perylene	27.633	276	219369m	3.134	ng/ul		

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

