

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN011522\
 Data File : BN018411.D
 Acq On : 15 Jan 2022 12:45
 Operator : CG/JU
 Sample : M3263-06
 Misc : SFAM-ME-SOIL-MDL-02
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-MED-SOIL-QT4-2021-08

Quant Time: Jan 17 04:47:00 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN010622.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jan 07 01:31:51 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 01/17/2022
 Supervised By :mohammad ahmed 01/18/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.587	152	379972	20.000	ng/u1	0.00
20) Naphthalene-d8	10.363	136	1704420	20.000	ng/u1	-0.01
38) Acenaphthene-d10	14.234	164	1095454	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.975	188	2206977	20.000	ng/u1	0.00
79) Chrysene-d12	21.175	240	2185817	20.000	ng/u1	# 0.00
88) Perylene-d12	23.392	264	2157717	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.064	96	54068	5.720	ng/uL	0.00
4) Pyridine-d5	3.464	84	764259	25.836	ng/u1	0.00
7) Phenol-d5	6.775	99	1181929	32.006	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.928	67	794829	33.788	ng/u1	0.00
11) 2-Chlorophenol-d4	7.122	132	931142	34.423	ng/u1	0.00
15) 4-Methylphenol-d8	8.305	113	944617	32.407	ng/u1	-0.01
21) Nitrobenzene-d5	8.740	128	446027	35.135	ng/u1	0.00
24) 2-Nitrophenol-d4	9.458	143	499815	36.834	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.999	165	838701	34.020	ng/u1	0.00
31) 4-Chloroaniline-d4	10.505	131	1266914	33.438	ng/u1	-0.01
46) Dimethylphthalate-d6	13.651	166	2840332	35.698	ng/u1	0.00
49) Acenaphthylene-d8	13.922	160	3257314	32.384	ng/u1	0.00
54) 4-Nitrophenol-d4	14.446	143	448977	29.570	ng/u1	0.00
60) Fluorene-d10	15.228	176	2302009	34.291	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.351	200	397690	31.846	ng/u1	-0.01
73) Anthracene-d10	17.075	188	3396592	33.230	ng/u1	0.00
81) Pyrene-d10	19.375	212	3790832	30.233	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.251	264	4203343	39.142	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.099	88	10978	1.032	ng/uL#	84
5) Pyridine	3.481	79	132622	4.311	ng/u1#	62
6) Benzaldehyde	6.728	77	96080	4.096	ng/u1	99
8) Phenol	6.799	94	162687	4.227	ng/u1	92
10) Bis(2-Chloroethyl)ether	7.016	93	141664	4.565	ng/u1	92
12) 2-Chlorophenol	7.158	128	127300	4.460	ng/u1	92
13) 2-Methylphenol	8.040	108	110607	3.820	ng/u1	95
14) 2,2'-oxybis(1-Chloropr...	8.122	45	167245	4.061	ng/u1	97
16) Acetophenone	8.405	105	205825	4.610	ng/u1	96
17) N-Nitroso-di-n-propyla...	8.393	70	104548	4.286	ng/u1	93
18) 4-Methylphenol	8.369	108	133682	4.303	ng/u1	97
19) Hexachloroethane	8.658	117	50410	4.258	ng/u1#	82
22) Nitrobenzene	8.775	77	164032	4.891	ng/u1	95
23) Isophorone	9.299	82	269582	4.002	ng/u1	98
25) 2-Nitrophenol	9.487	139	73323	4.854	ng/u1	98
26) 2,4-Dimethylphenol	9.563	107	150545	4.494	ng/u1	98
27) Bis(2-Chloroethoxy)met...	9.793	93	185161	4.419	ng/u1	99
29) 2,4-Dichlorophenol	10.022	162	116976	4.684	ng/u1	93
30) Naphthalene	10.416	128	426051	4.569	ng/u1	100
32) 4-Chloroaniline	10.528	127	171192	4.424	ng/u1	98
33) Hexachlorobutadiene	10.716	225	64470	4.735	ng/u1	95
34) Caprolactam	11.287	113	43454m	4.427	ng/u1	
35) 4-Chloro-3-methylphenol	11.675	107	121386	3.884	ng/u1	98
36) 2-Methylnaphthalene	12.040	142	293938	4.724	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.257	142	300012	4.633	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.416	216	134883	4.800	ng/ul#	94
40) Hexachlorocyclopentadiene	12.399	237	63937	3.962	ng/ul	92
41) 2,4,6-Trichlorophenol	12.663	196	74795	3.925	ng/ul	96
42) 2,4,5-Trichlorophenol	12.734	196	77771	3.850	ng/ul	99
43) 1,1'-Biphenyl	13.063	154	398057	4.666	ng/ul	99
44) 2-Chloronaphthalene	13.099	162	296495	4.651	ng/ul	95
45) 2-Nitroaniline	13.310	65	66038	3.310	ng/ul	95
47) Dimethylphthalate	13.698	163	388637	4.812	ng/ul	99
48) 2,6-Dinitrotoluene	13.816	165	55153	3.604	ng/ul	87
50) Acenaphthylene	13.951	152	456704	4.309	ng/ul	98
51) 3-Nitroaniline	14.140	138	54152	3.148	ng/ul	94
52) Acenaphthene	14.293	153	320471	4.588	ng/ul	98
53) 2,4-Dinitrophenol	14.357	184	28897	3.353	ng/ul#	79
55) 4-Nitrophenol	14.463	109	54787	4.224	ng/ul	94
56) Dibenzofuran	14.634	168	447070	4.616	ng/ul	92
57) 2,4-Dinitrotoluene	14.604	165	94044	4.271	ng/ul#	81
58) 2,3,4,6-Tetrachlorophenol	14.863	232	68153	4.185	ng/ul#	76
59) Diethylphthalate	15.069	149	377835	4.532	ng/ul	96
61) Fluorene	15.281	166	361233	4.843	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.281	204	162721	4.879	ng/ul#	84
63) 4-Nitroaniline	15.304	138	52695	3.434	ng/ul	91
66) 4,6-Dinitro-2-methylph...	15.369	198	55450	4.356	ng/ul#	74
67) N-Nitrosodiphenylamine	15.498	169	313275	4.580	ng/ul	99
68) 4-Bromophenyl-phenylether	16.175	248	96389	4.504	ng/ul#	80
69) Hexachlorobenzene	16.292	284	115279	4.493	ng/ul#	92
70) Atrazine	16.451	200	88376	3.940	ng/ul	97
71) Pentachlorophenol	16.634	266	65490	4.472	ng/ul	97
72) Phenanthrene	17.016	178	580130	4.626	ng/ul	98
74) Anthracene	17.104	178	558475	4.486	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.022	216	129161	4.099	ng/ul	91
76) Pentachlorobenzene	14.557	250	131622	4.467	ng/ul	97
77) Carbazole	17.381	167	486267	4.438	ng/ul	99
78) Di-n-butylphthalate	17.963	149	555048	4.120	ng/ul	99
80) Fluoranthene	19.039	202	644328	4.239	ng/ul#	92
82) Pyrene	19.404	202	686751	4.435	ng/ul#	93
83) Butylbenzylphthalate	20.322	149	218941	3.411	ng/ul#	94
84) 3,3'-Dichlorobenzidine	21.098	252	165647	3.931	ng/ul#	98
85) Benzo(a)anthracene	21.157	228	649874	4.542	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.110	149	372355	3.814	ng/ul#	93
87) Chrysene	21.210	228	626184	4.444	ng/ul	95
89) Di-n-octyl phthalate	21.980	149	596172	3.856	ng/ul	100
90) Benzo(b)fluoranthene	22.722	252	649371	4.694	ng/ul#	97
91) Benzo(k)fluoranthene	22.769	252	669225	5.217	ng/ul#	96
93) Benzo(a)pyrene	23.292	252	602141	4.565	ng/ul#	95
94) Indeno(1,2,3-cd)pyrene	25.645	276	649949	4.455	ng/ul#	90
95) Dibenzo(a,h)anthracene	25.657	278	529365	4.303	ng/ul#	94
96) Benzo(g,h,i)perylene	26.321	276	535764	4.383	ng/ul#	90

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

