

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060721\
 Data File : BM030309.D
 Acq On : 07 Jun 2021 15:17
 Operator : CG/JU
 Sample : M2250-03
 Misc : SFAM-MDL-S-01
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-QT3-2021-05

Manual Integrations
 APPROVED

mohammad
 6/8/2021 3:38:03 PM

Quant Time: Jun 07 15:47:48 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM060621.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jun 07 09:55:51 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.851	152	166782	20.000	ng/u1	0.00
20) Naphthalene-d8	10.645	136	686784	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.474	164	441077	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.210	188	849367	20.000	ng/u1	0.00
79) Chrysene-d12	21.368	240	755144	20.000	ng/u1	0.00
88) Perylene-d12	23.650	264	745544	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.322	96	19243	4.406	ng/uL	0.00
4) Pyridine-d5	3.734	84	155773	13.573	ng/u1	0.00
7) Phenol-d5	7.004	99	284807	19.648	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.181	67	202679	21.664	ng/u1	0.00
11) 2-Chlorophenol-d4	7.381	132	232222	22.152	ng/u1	0.00
15) 4-Methylphenol-d8	8.545	113	221847	19.163	ng/u1	0.00
21) Nitrobenzene-d5	9.004	128	103558	22.028	ng/u1	0.00
24) 2-Nitrophenol-d4	9.728	143	103423	22.151	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.257	165	220851	21.715	ng/u1	0.00
31) 4-Chloroaniline-d4	10.775	131	305629	19.657	ng/u1	0.00
46) Dimethylphthalate-d6	13.880	166	674605	22.287	ng/u1	0.00
49) Acenaphthylene-d8	14.169	160	861550	22.784	ng/u1	0.00
54) 4-Nitrophenol-d4	14.651	143	99588	17.577	ng/u1	0.00
60) Fluorene-d10	15.463	176	615899	22.728	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.574	200	79630	16.242	ng/u1	0.00
73) Anthracene-d10	17.304	188	885909	22.932	ng/u1	0.00
81) Pyrene-d10	19.592	212	917502	23.213	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.509	264	905177	24.348	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.357	88	6012	1.358	ng/uL	95
5) Pyridine	3.757	79	46713	3.855	ng/u1#	63
6) Benzaldehyde	6.993	77	39939	5.879	ng/u1	95
8) Phenol	7.034	94	62254	4.240	ng/u1	97
10) Bis(2-Chloroethyl)ether	7.275	93	53792	4.538	ng/u1	98
12) 2-Chlorophenol	7.416	128	50286	4.650	ng/u1	100
13) 2-Methylphenol	8.287	108	41635	3.814	ng/u1	100
14) 2,2'-oxybis(1-Chloropr...	8.381	45	83496	4.373	ng/u1	99
16) Acetophenone	8.669	105	79479	4.342	ng/u1	97
17) N-Nitroso-di-n-propyla...	8.651	70	37920	4.262	ng/u1	97
18) 4-Methylphenol	8.610	108	48465	4.026	ng/u1	98
19) Hexachloroethane	8.934	117	20497	4.479	ng/u1	97
22) Nitrobenzene	9.045	77	59708	4.947	ng/u1	98
23) Isophorone	9.569	82	96143	4.357	ng/u1	99
25) 2-Nitrophenol	9.757	139	24502	4.737	ng/u1	100
26) 2,4-Dimethylphenol	9.810	107	53803	4.595	ng/u1	98
27) Bis(2-Chloroethoxy)met...	10.051	93	67112	4.568	ng/u1	100
29) 2,4-Dichlorophenol	10.286	162	47760	4.822	ng/u1	98
30) Naphthalene	10.692	128	167322	4.806	ng/u1	98
32) 4-Chloroaniline	10.798	127	69397	4.459	ng/u1	100
33) Hexachlorobutadiene	10.981	225	32020	5.080	ng/u1	91
34) Caprolactam	11.586	113	11645m	3.672	ng/u1	
35) 4-Chloro-3-methylphenol	11.910	107	40132	3.982	ng/u1	95
36) 2-Methylnaphthalene	12.298	142	114578	4.626	ng/u1	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.522	142	117030	4.656	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.669	216	63085	4.920	ng/ul	98
40) Hexachlorocyclopentadiene	12.651	237	35401	4.369	ng/ul	96
41) 2,4,6-Trichlorophenol	12.904	196	31378	4.073	ng/ul	96
42) 2,4,5-Trichlorophenol	12.969	196	36730	4.377	ng/ul	97
43) 1,1'-Biphenyl	13.310	154	154017	4.793	ng/ul	98
44) 2-Chloronaphthalene	13.351	162	118180	4.765	ng/ul	99
45) 2-Nitroaniline	13.551	65	22466	3.624	ng/ul	95
47) Dimethylphthalate	13.927	163	141874	4.798	ng/ul	99
48) 2,6-Dinitrotoluene	14.045	165	20327	3.836	ng/ul	99
50) Acenaphthylene	14.198	152	176351	4.883	ng/ul	99
51) 3-Nitroaniline	14.374	138	20699	3.426	ng/ul	99
52) Acenaphthene	14.539	153	126576	4.717	ng/ul	98
53) 2,4-Dinitrophenol	14.574	184	16072	4.545	ng/ul	95
55) 4-Nitrophenol	14.663	109	17481	3.938	ng/ul	93
56) Dibenzofuran	14.869	168	180488	4.835	ng/ul	98
57) 2,4-Dinitrotoluene	14.827	165	29617	3.952	ng/ul	90
58) 2,3,4,6-Tetrachlorophenol	15.092	232	28747	4.279	ng/ul	96
59) Diethylphthalate	15.292	149	127970	4.386	ng/ul	99
61) Fluorene	15.516	166	145949	4.656	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.516	204	73885	4.895	ng/ul	96
63) 4-Nitroaniline	15.533	138	18765	3.317	ng/ul	98
66) 4,6-Dinitro-2-methylph...	15.586	198	17848	3.671	ng/ul#	82
67) N-Nitrosodiphenylamine	15.721	169	120924	4.833	ng/ul	97
68) 4-Bromophenyl-phenylether	16.404	248	39662	4.801	ng/ul	98
69) Hexachlorobenzene	16.521	284	46279	4.929	ng/ul	96
70) Atrazine	16.668	200	34415	3.833	ng/ul	99
71) Pentachlorophenol	16.857	266	24183	4.203	ng/ul	96
72) Phenanthrene	17.251	178	218847	4.765	ng/ul	100
74) Anthracene	17.339	178	220734	4.762	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.275	216	61891	5.064	ng/uL	98
76) Pentachlorobenzene	14.792	250	58912	5.005	ng/uL	99
77) Carbazole	17.610	167	169781	4.124	ng/ul	99
78) Di-n-butylphthalate	18.168	149	164559	3.817	ng/ul	99
80) Fluoranthene	19.256	202	221137	4.553	ng/ul	99
82) Pyrene	19.621	202	249554	4.859	ng/ul	97
83) Butylbenzylphthalate	20.509	149	56798	3.523	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.292	252	51714	3.787	ng/ul#	97
85) Benzo(a)anthracene	21.356	228	212973	4.668	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.286	149	80068	3.274	ng/ul	98
87) Chrysene	21.403	228	221390	4.921	ng/ul	99
89) Di-n-octyl phthalate	22.168	149	135226	2.816	ng/ul	100
90) Benzo(b)fluoranthene	22.962	252	217559	4.540	ng/ul	99
91) Benzo(k)fluoranthene	23.009	252	208174	4.548	ng/ul	98
93) Benzo(a)pyrene	23.556	252	198132	4.730	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	25.968	276	234545	4.550	ng/ul	100
95) Dibenzo(a,h)anthracene	25.980	278	197628	4.553	ng/ul	97
96) Benzo(g,h,i)perylene	26.680	276	197594	4.664	ng/ul	96

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

