

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060721\
 Data File : BM030311.D
 Acq On : 07 Jun 2021 16:31
 Operator : CG/JU
 Sample : M2250-05
 Misc : SFAM-MDL-S-ME-01
 ALS Vial : 8 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

mohammad
 6/8/2021 3:38:06 PM

Quant Time: Jun 07 17:03:33 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	161751	20.000	ng/u1	0.00
20) Naphthalene-d8	10.645	136	680653	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.474	164	451410	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.209	188	941994	20.000	ng/u1	0.00
79) Chrysene-d12	21.368	240	896894	20.000	ng/u1	0.00
88) Perylene-d12	23.656	264	812771	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.316	96	19766	4.666	ng/uL	0.00
4) Pyridine-d5	3.734	84	156067	14.021	ng/u1	0.00
7) Phenol-d5	7.010	99	278694	19.824	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.181	67	201437	22.201	ng/u1	0.00
11) 2-Chlorophenol-d4	7.381	132	228467	22.472	ng/u1	0.00
15) 4-Methylphenol-d8	8.545	113	221754	19.751	ng/u1	0.00
21) Nitrobenzene-d5	9.004	128	102617	22.025	ng/u1	0.00
24) 2-Nitrophenol-d4	9.728	143	102348	22.118	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.257	165	220688	21.894	ng/u1	0.00
31) 4-Chloroaniline-d4	10.775	131	313476	20.344	ng/u1	0.00
46) Dimethylphthalate-d6	13.880	166	721442	23.289	ng/u1	0.00
49) Acenaphthylene-d8	14.169	160	886574	22.909	ng/u1	0.00
54) 4-Nitrophenol-d4	14.651	143	113023	19.492	ng/u1	0.00
60) Fluorene-d10	15.463	176	650114	23.441	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.574	200	92224	16.961	ng/u1	0.00
73) Anthracene-d10	17.310	188	982366	22.928	ng/u1	0.00
81) Pyrene-d10	19.592	212	1070688	22.808	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.509	264	1005843	24.818	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.357	88	6165	1.436	ng/uL	94
5) Pyridine	3.757	79	46439	3.952	ng/u1#	71
6) Benzaldehyde	6.993	77	40110	6.088	ng/u1	96
8) Phenol	7.034	94	60939	4.280	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.275	93	52307	4.550	ng/u1	99
12) 2-Chlorophenol	7.416	128	50225	4.789	ng/u1	95
13) 2-Methylphenol	8.287	108	40902	3.863	ng/u1	95
14) 2,2'-oxybis(1-Chloropr...	8.375	45	83010	4.483	ng/u1	97
16) Acetophenone	8.669	105	78023	4.395	ng/u1	100
17) N-Nitroso-di-n-propyla...	8.651	70	38388	4.449	ng/u1	98
18) 4-Methylphenol	8.610	108	49175	4.212	ng/u1	99
19) Hexachloroethane	8.934	117	20411	4.599	ng/u1	98
22) Nitrobenzene	9.045	77	58461	4.888	ng/u1	98
23) Isophorone	9.569	82	96238	4.401	ng/u1	98
25) 2-Nitrophenol	9.757	139	24222	4.725	ng/u1	94
26) 2,4-Dimethylphenol	9.810	107	53602	4.619	ng/u1	97
27) Bis(2-Chloroethoxy)met...	10.051	93	68212	4.685	ng/u1	99
29) 2,4-Dichlorophenol	10.286	162	46091	4.696	ng/u1	94
30) Naphthalene	10.692	128	169587	4.915	ng/u1	99
32) 4-Chloroaniline	10.798	127	69394	4.499	ng/u1	100
33) Hexachlorobutadiene	10.980	225	31764	5.085	ng/u1	98
34) Caprolactam	11.580	113	12949m	4.120	ng/u1	
35) 4-Chloro-3-methylphenol	11.910	107	41735	4.178	ng/u1	97
36) 2-Methylnaphthalene	12.298	142	118107	4.812	ng/u1	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.522	142	118427	4.754	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.669	216	63234	4.818	ng/ul	97
40) Hexachlorocyclopentadiene	12.651	237	34364	4.144	ng/ul	94
41) 2,4,6-Trichlorophenol	12.904	196	32840	4.165	ng/ul	100
42) 2,4,5-Trichlorophenol	12.974	196	35975	4.189	ng/ul	95
43) 1,1'-Biphenyl	13.310	154	156734	4.765	ng/ul	100
44) 2-Chloronaphthalene	13.351	162	121334	4.780	ng/ul	98
45) 2-Nitroaniline	13.551	65	24643	3.884	ng/ul	93
47) Dimethylphthalate	13.927	163	152132	5.027	ng/ul	100
48) 2,6-Dinitrotoluene	14.045	165	21808	4.021	ng/ul	97
50) Acenaphthylene	14.198	152	182897	4.948	ng/ul	99
51) 3-Nitroaniline	14.374	138	22585	3.653	ng/ul	99
52) Acenaphthene	14.539	153	131604	4.792	ng/ul	97
53) 2,4-Dinitrophenol	14.580	184	17708	4.893	ng/ul	90
55) 4-Nitrophenol	14.669	109	19595	4.313	ng/ul	94
56) Dibenzofuran	14.868	168	186370	4.878	ng/ul	100
57) 2,4-Dinitrotoluene	14.827	165	32464	4.233	ng/ul	94
58) 2,3,4,6-Tetrachlorophenol	15.098	232	30552	4.444	ng/ul	95
59) Diethylphthalate	15.286	149	140528	4.706	ng/ul	99
61) Fluorene	15.521	166	153997	4.801	ng/ul	96
62) 4-Chlorophenyl-phenyle...	15.515	204	78030	5.051	ng/ul	98
63) 4-Nitroaniline	15.533	138	23461	4.052	ng/ul	94
66) 4,6-Dinitro-2-methylph...	15.586	198	19856	3.683	ng/ul#	73
67) N-Nitrosodiphenylamine	15.721	169	127830	4.607	ng/ul	98
68) 4-Bromophenyl-phenylether	16.404	248	41390	4.517	ng/ul	97
69) Hexachlorobenzene	16.521	284	50333	4.833	ng/ul	98
70) Atrazine	16.668	200	38244	3.840	ng/ul	99
71) Pentachlorophenol	16.857	266	27257	4.271	ng/ul	97
72) Phenanthrene	17.251	178	241910	4.749	ng/ul	99
74) Anthracene	17.339	178	243979	4.746	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.274	216	62023	4.576	ng/ul	99
76) Pentachlorobenzene	14.792	250	60272	4.617	ng/ul	99
77) Carbazole	17.609	167	196779	4.310	ng/ul	98
78) Di-n-butylphthalate	18.168	149	196607	4.112	ng/ul	99
80) Fluoranthene	19.256	202	259172	4.493	ng/ul	99
82) Pyrene	19.621	202	289818	4.751	ng/ul	98
83) Butylbenzylphthalate	20.509	149	70634	3.689	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.286	252	56770	3.500	ng/ul	99
85) Benzo(a)anthracene	21.356	228	252643	4.662	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.286	149	99580	3.429	ng/ul	98
87) Chrysene	21.403	228	256356	4.797	ng/ul	99
89) Di-n-octyl phthalate	22.168	149	160273	3.062	ng/ul	100
90) Benzo(b)fluoranthene	22.962	252	247319	4.734	ng/ul	99
91) Benzo(k)fluoranthene	23.009	252	236360	4.736	ng/ul	100
93) Benzo(a)pyrene	23.550	252	216556	4.742	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	25.974	276	241175	4.291	ng/ul	98
95) Dibenzo(a,h)anthracene	25.980	278	204153	4.314	ng/ul	99
96) Benzo(g,h,i)perylene	26.679	276	197717	4.281	ng/ul	96

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

