

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM100621\
 Data File : BM032340.D
 Acq On : 06 Oct 2021 13:22
 Operator : CG/JU
 Sample : M3263-03
 Misc : SFAM-MDL-SOIL-01
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-QT4-2021-07

Quant Time: Oct 06 13:57:00 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM100521.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Oct 06 10:06:22 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.625	152	272811	20.00	ng/ul	0.00
20) Naphthalene-d8	10.413	136	1165377	20.00	ng/ul	0.00
38) Acenaphthene-d10	14.271	164	766337	20.00	ng/ul	0.00
64) Phenanthrene-d10	16.995	188	1608217	20.00	ng/ul	0.00
79) Chrysene-d12	21.159	240	1591772	20.00	ng/ul	0.00
88) Perylene-d12	23.306	264	1520036	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.960	96	35706	5.25	ng/uL	0.00
4) Pyridine-d5	3.390	84	367883	19.14	ng/ul	0.00
7) Phenol-d5	6.807	99	621238	26.78	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	6.948	67	384352	28.86	ng/ul	0.00
11) 2-Chlorophenol-d4	7.160	132	503224	28.41	ng/ul	0.00
15) 4-Methylphenol-d8	8.348	113	498258	26.59	ng/ul	0.00
21) Nitrobenzene-d5	8.778	128	235341	28.62	ng/ul	0.00
24) 2-Nitrophenol-d4	9.501	143	254617	28.73	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.042	165	484095	27.44	ng/ul	0.00
31) 4-Chloroaniline-d4	10.548	131	687840	26.43	ng/ul	0.00
46) Dimethylphthalate-d6	13.671	166	1532452	28.90	ng/ul	0.00
49) Acenaphthylene-d8	13.960	160	1753251	27.21	ng/ul	0.00
54) 4-Nitrophenol-d4	14.471	143	276105	26.51	ng/ul	0.00
60) Fluorene-d10	15.260	176	1306261	29.04	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.371	200	220026	24.01	ng/ul	0.00
73) Anthracene-d10	17.095	188	1990344	28.43	ng/ul	0.00
81) Pyrene-d10	19.377	212	2284566	28.53	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.171	264	2361554	31.02	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.002	88	7486	1.01	ng/uL	94
5) Pyridine	3.413	79	71985	3.79	ng/ul#	80
6) Benzaldehyde	6.748	77	48251	4.42	ng/ul	95
8) Phenol	6.837	94	83351	3.55	ng/ul	99
10) Bis(2-Chloroethyl)ether	7.042	93	70357	3.80	ng/ul	99
12) 2-Chlorophenol	7.195	128	67504	3.69	ng/ul	98
13) 2-Methylphenol	8.084	108	57570	3.19	ng/ul	95
14) 2,2'-oxybis(1-Chloropr...	8.154	45	83949	3.67	ng/ul	99
16) Acetophenone	8.442	105	103765	3.78	ng/ul	99
17) N-Nitroso-di-n-propyla...	8.431	70	48717	3.59	ng/ul	98
18) 4-Methylphenol	8.413	108	67824	3.59	ng/ul	99
19) Hexachloroethane	8.713	117	26351	3.62	ng/ul	96
22) Nitrobenzene	8.819	77	71634	3.67	ng/ul	98
23) Isophorone	9.336	82	124775	3.31	ng/ul	98
25) 2-Nitrophenol	9.530	139	34828	3.60	ng/ul	95
26) 2,4-Dimethylphenol	9.607	107	69446	3.35	ng/ul	98
27) Bis(2-Chloroethoxy)met...	9.825	93	92572	3.71	ng/ul	97
29) 2,4-Dichlorophenol	10.072	162	62793	3.62	ng/ul	92
30) Naphthalene	10.460	128	230092	3.85	ng/ul	100
32) 4-Chloroaniline	10.566	127	92792	3.55	ng/ul	95
33) Hexachlorobutadiene	10.772	225	41181	3.68	ng/ul	98
34) Caprolactam	11.295	113	29599	4.73	ng/ul	96
35) 4-Chloro-3-methylphenol	11.707	107	61624	3.22	ng/ul	95
36) 2-Methylnaphthalene	12.077	142	154050	3.79	ng/ul	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.301	142	155611	3.76	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.460	216	80621	3.82	ng/ul	99
40) Hexachlorocyclopentadiene	12.454	237	39242	3.19	ng/ul	96
41) 2,4,6-Trichlorophenol	12.701	196	44895	3.32	ng/ul	98
42) 2,4,5-Trichlorophenol	12.771	196	48039	3.23	ng/ul	96
43) 1,1'-Biphenyl	13.095	154	210240	3.83	ng/ul	99
44) 2-Chloronaphthalene	13.136	162	158120	3.78	ng/ul	99
45) 2-Nitroaniline	13.336	65	33390	2.99	ng/ul	93
47) Dimethylphthalate	13.718	163	202131	3.81	ng/ul	99
48) 2,6-Dinitrotoluene	13.830	165	27844	2.81	ng/ul	94
50) Acenaphthylene	13.989	152	251374	3.69	ng/ul	100
51) 3-Nitroaniline	14.165	138	28278	2.73	ng/ul#	94
52) Acenaphthene	14.330	153	172723	3.84	ng/ul	99
53) 2,4-Dinitrophenol	14.365	184	24797	3.89	ng/ul	88
55) 4-Nitrophenol	14.483	109	30105	3.58	ng/ul	89
56) Dibenzofuran	14.665	168	254154	3.90	ng/ul	100
57) 2,4-Dinitrotoluene	14.618	165	44796	3.06	ng/ul#	92
58) 2,3,4,6-Tetrachlorophenol	14.901	232	40867	3.39	ng/ul	96
59) Diethylphthalate	15.083	149	191384	3.61	ng/ul	99
61) Fluorene	15.312	166	205575	4.10	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.307	204	103756	4.10	ng/ul	99
63) 4-Nitroaniline	15.324	138	31542	3.30	ng/ul	93
66) 4,6-Dinitro-2-methylph...	15.383	198	28842	3.20	ng/ul#	68
67) N-Nitrosodiphenylamine	15.518	169	167285	3.73	ng/ul	99
68) 4-Bromophenyl-phenylether	16.195	248	55507	3.58	ng/ul	98
69) Hexachlorobenzene	16.324	284	67101	3.76	ng/ul	98
70) Atrazine	16.454	200	69702	4.11	ng/ul	99
71) Pentachlorophenol	16.659	266	44184	4.11	ng/ul	98
72) Phenanthrene	17.036	178	328830	3.96	ng/ul	99
74) Anthracene	17.124	178	317974	3.81	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.071	216	81426	3.61	ng/ul	99
76) Pentachlorobenzene	14.601	250	83883	3.74	ng/ul	97
77) Carbazole	17.395	167	277009	3.72	ng/ul	99
78) Di-n-butylphthalate	17.948	149	293439	3.42	ng/ul	100
80) Fluoranthene	19.042	202	374022	3.79	ng/ul	99
82) Pyrene	19.406	202	404207	3.98	ng/ul	99
83) Butylbenzylphthalate	20.294	149	117209	3.04	ng/ul	95
84) 3,3'-Dichlorobenzidine	21.077	252	100664	3.49	ng/ul	99
85) Benzo(a)anthracene	21.141	228	363246	3.78	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.071	149	179023	3.34	ng/ul	99
87) Chrysene	21.194	228	374290	3.96	ng/ul	99
89) Di-n-octyl phthalate	21.912	149	278017	3.21	ng/ul	100
90) Benzo(b)fluoranthene	22.665	252	357493	3.87	ng/ul	99
91) Benzo(k)fluoranthene	22.706	252	356655	4.25	ng/ul	99
93) Benzo(a)pyrene	23.212	252	335350	3.83	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	25.418	276	364429	3.77	ng/ul	99
95) Dibenzo(a,h)anthracene	25.424	278	312609	3.77	ng/ul	98
96) Benzo(g,h,i)perylene	26.071	276	311045	3.68	ng/ul	99

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

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