

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM100721\
 Data File : BM032351.D
 Acq On : 07 Oct 2021 11:10
 Operator : CG/JU
 Sample : M3263-04
 Misc : SFAM-MDL-SOIL-02
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-QT4-2021-08

Quant Time: Oct 07 11:57:03 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM100521.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 07 09:34:26 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.619	152	313480	20.00	ng/ul	0.00
20) Naphthalene-d8	10.413	136	1350080	20.00	ng/ul	0.00
38) Acenaphthene-d10	14.272	164	864911	20.00	ng/ul	0.00
64) Phenanthrene-d10	16.995	188	1777245	20.00	ng/ul	0.00
79) Chrysene-d12	21.159	240	1709787	20.00	ng/ul	0.00
88) Perylene-d12	23.300	264	1625789	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.960	96	41882	5.36	ng/uL	0.00
4) Pyridine-d5	3.390	84	439484	19.90	ng/ul	0.00
7) Phenol-d5	6.807	99	728606	27.33	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	6.948	67	449041	29.34	ng/ul	0.00
11) 2-Chlorophenol-d4	7.160	132	588419	28.91	ng/ul	0.00
15) 4-Methylphenol-d8	8.348	113	577994	26.85	ng/ul	0.00
21) Nitrobenzene-d5	8.772	128	272551	28.61	ng/ul	0.00
24) 2-Nitrophenol-d4	9.501	143	296609	28.89	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.042	165	555108	27.16	ng/ul	0.00
31) 4-Chloroaniline-d4	10.542	131	793128	26.31	ng/ul	0.00
46) Dimethylphthalate-d6	13.672	166	1710709	28.58	ng/ul	0.00
49) Acenaphthylene-d8	13.960	160	1969285	27.08	ng/ul	0.00
54) 4-Nitrophenol-d4	14.472	143	310950	26.45	ng/ul	0.00
60) Fluorene-d10	15.254	176	1459212	28.74	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.371	200	245325	24.22	ng/ul	0.00
73) Anthracene-d10	17.089	188	2172235	28.08	ng/ul	0.00
81) Pyrene-d10	19.377	212	2474392	28.77	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.171	264	2526447	31.03	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.002	88	9325	1.10	ng/uL	99
5) Pyridine	3.413	79	84112	3.85	ng/ul#	82
6) Benzaldehyde	6.748	77	56984	4.54	ng/ul	98
8) Phenol	6.837	94	98383	3.64	ng/ul	97
10) Bis(2-Chloroethyl)ether	7.043	93	83472	3.93	ng/ul	99
12) 2-Chlorophenol	7.190	128	78940	3.75	ng/ul	97
13) 2-Methylphenol	8.084	108	67515	3.26	ng/ul	100
14) 2,2'-oxybis(1-Chloropr...	8.154	45	98694	3.75	ng/ul	99
16) Acetophenone	8.437	105	120161	3.81	ng/ul	98
17) N-Nitroso-di-n-propyla...	8.431	70	55657	3.57	ng/ul	99
18) 4-Methylphenol	8.407	108	79151	3.65	ng/ul	100
19) Hexachloroethane	8.707	117	30609	3.66	ng/ul	100
22) Nitrobenzene	8.813	77	83885	3.71	ng/ul	97
23) Isophorone	9.337	82	143872	3.30	ng/ul	99
25) 2-Nitrophenol	9.531	139	40681	3.63	ng/ul	98
26) 2,4-Dimethylphenol	9.601	107	81012	3.38	ng/ul	99
27) Bis(2-Chloroethoxy)met...	9.819	93	102677	3.55	ng/ul	98
29) 2,4-Dichlorophenol	10.066	162	74398	3.70	ng/ul	91
30) Naphthalene	10.460	128	265438	3.84	ng/ul	99
32) 4-Chloroaniline	10.566	127	106956	3.53	ng/ul	94
33) Hexachlorobutadiene	10.766	225	47818	3.68	ng/ul	98
34) Caprolactam	11.289	113	32930	4.54	ng/ul	98
35) 4-Chloro-3-methylphenol	11.707	107	70072	3.16	ng/ul	99
36) 2-Methylnaphthalene	12.072	142	179563	3.82	ng/ul	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.295	142	178148	3.72	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.460	216	91336	3.83	ng/ul	99
40) Hexachlorocyclopentadiene	12.448	237	60726	4.37	ng/ul	98
41) 2,4,6-Trichlorophenol	12.701	196	50129	3.28	ng/ul	90
42) 2,4,5-Trichlorophenol	12.766	196	53595	3.20	ng/ul	99
43) 1,1'-Biphenyl	13.095	154	238887	3.85	ng/ul	100
44) 2-Chloronaphthalene	13.136	162	177259	3.75	ng/ul	99
45) 2-Nitroaniline	13.336	65	37917	3.00	ng/ul	93
47) Dimethylphthalate	13.719	163	225890	3.77	ng/ul	99
48) 2,6-Dinitrotoluene	13.830	165	31023	2.78	ng/ul	90
50) Acenaphthylene	13.983	152	285867	3.72	ng/ul	100
51) 3-Nitroaniline	14.160	138	32480	2.78	ng/ul#	96
52) Acenaphthene	14.330	153	198186	3.90	ng/ul	99
53) 2,4-Dinitrophenol	14.366	184	29910	4.16	ng/ul	90
55) 4-Nitrophenol	14.483	109	33298	3.51	ng/ul	93
56) Dibenzofuran	14.666	168	288742	3.92	ng/ul	97
57) 2,4-Dinitrotoluene	14.619	165	49941	3.02	ng/ul	94
58) 2,3,4,6-Tetrachlorophenol	14.901	232	45684	3.36	ng/ul	98
59) Diethylphthalate	15.083	149	210283	3.52	ng/ul	100
61) Fluorene	15.313	166	230475	4.07	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.307	204	114334	4.00	ng/ul	96
63) 4-Nitroaniline	15.319	138	34107	3.16	ng/ul	95
66) 4,6-Dinitro-2-methylph...	15.383	198	33468	3.36	ng/ul#	75
67) N-Nitrosodiphenylamine	15.513	169	186993	3.77	ng/ul	99
68) 4-Bromophenyl-phenylether	16.189	248	60714	3.54	ng/ul	98
69) Hexachlorobenzene	16.324	284	73105	3.71	ng/ul	98
70) Atrazine	16.454	200	76472	4.08	ng/ul	98
71) Pentachlorophenol	16.660	266	50792	4.27	ng/ul	99
72) Phenanthrene	17.036	178	364918	3.98	ng/ul	99
74) Anthracene	17.124	178	349411	3.79	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.066	216	93950	3.77	ng/uL	96
76) Pentachlorobenzene	14.601	250	92796	3.74	ng/uL	98
77) Carbazole	17.389	167	307290	3.74	ng/ul	98
78) Di-n-butylphthalate	17.948	149	321704	3.39	ng/ul	99
80) Fluoranthene	19.042	202	403109	3.80	ng/ul	99
82) Pyrene	19.406	202	442705	4.06	ng/ul	98
83) Butylbenzylphthalate	20.295	149	125952	3.04	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.077	252	104611	3.37	ng/ul	97
85) Benzo(a)anthracene	21.142	228	389055	3.77	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.065	149	191446	3.33	ng/ul	99
87) Chrysene	21.195	228	391826	3.86	ng/ul	100
89) Di-n-octyl phthalate	21.912	149	288759	3.12	ng/ul	100
90) Benzo(b)fluoranthene	22.665	252	398268	4.03	ng/ul	100
91) Benzo(k)fluoranthene	22.700	252	376648	4.20	ng/ul	99
93) Benzo(a)pyrene	23.206	252	361824	3.87	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	25.418	276	387143	3.74	ng/ul	99
95) Dibenzo(a,h)anthracene	25.418	278	333976	3.76	ng/ul	98
96) Benzo(g,h,i)perylene	26.071	276	331913	3.67	ng/ul	99

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

