

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM030824\
 Data File : BM044561.D
 Acq On : 08 Mar 2024 11:32
 Operator : MA/JU
 Sample : P1601-06
 Misc : SFAM-MDL-ME SOIL-02
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-MED-SOIL-QT1-2024-02

Quant Time: Mar 08 12:22:25 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM030524.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Mar 05 23:05:11 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.716	152	280273	20.000	ng/u1	-0.02
20) Naphthalene-d8	10.499	136	1281109	20.000	ng/u1	-0.02
38) Acenaphthene-d10	14.363	164	795225	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.116	188	1686062	20.000	ng/u1	0.00
79) Chrysene-d12	21.310	240	1461036	20.000	ng/u1	0.00
88) Perylene-d12	23.562	264	1399851	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.275	96	36128	4.372	ng/uL	-0.01
4) Pyridine-d5	3.670	84	535449	22.015	ng/u1	-0.01
7) Phenol-d5	6.887	99	600949	20.855	ng/u1	-0.02
9) Bis-(2-Chloroethyl)eth...	7.069	67	390132	21.919	ng/u1	-0.01
11) 2-Chlorophenol-d4	7.252	132	458948	21.674	ng/u1	-0.02
15) 4-Methylphenol-d8	8.422	113	462728	20.448	ng/u1	-0.02
21) Nitrobenzene-d5	8.875	128	241155	22.354	ng/u1	-0.02
24) 2-Nitrophenol-d4	9.593	143	260274	22.380	ng/u1	-0.01
28) 2,4-Dichlorophenol-d3	10.122	165	433033	21.879	ng/u1	-0.02
31) 4-Chloroaniline-d4	10.646	131	684331	20.818	ng/u1	-0.02
46) Dimethylphthalate-d6	13.781	166	1355565	21.731	ng/u1	-0.01
49) Acenaphthylene-d8	14.051	160	1570007	22.007	ng/u1	-0.01
54) 4-Nitrophenol-d4	14.569	143	260284	20.120	ng/u1	-0.01
60) Fluorene-d10	15.363	176	1187896	22.661	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.486	200	207024	18.916	ng/u1	0.00
73) Anthracene-d10	17.216	188	1684599	20.903	ng/u1	0.00
81) Pyrene-d10	19.516	212	1985284	22.155	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.421	264	1628037	22.127	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.311	88	9295	1.087	ng/uL	96
5) Pyridine	3.693	79	100908	4.000	ng/u1#	73
6) Benzaldehyde	6.875	77	74353	5.924	ng/u1	90
8) Phenol	6.916	94	120964	4.113	ng/u1	97
10) Bis(2-Chloroethyl)ether	7.158	93	102865	4.260	ng/u1	98
12) 2-Chlorophenol	7.281	128	92165	4.220	ng/u1	100
13) 2-Methylphenol	8.157	108	84456	3.784	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.246	45	145267	4.555	ng/u1	98
16) Acetophenone	8.546	105	153453	4.372	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.528	70	79532	4.386	ng/u1	95
18) 4-Methylphenol	8.481	108	96523	3.973	ng/u1	98
19) Hexachloroethane	8.781	117	37624	4.205	ng/u1	95
22) Nitrobenzene	8.922	77	118099	4.616	ng/u1	96
23) Isophorone	9.440	82	216807	4.154	ng/u1	98
25) 2-Nitrophenol	9.622	139	54663	4.311	ng/u1	96
26) 2,4-Dimethylphenol	9.681	107	72471	3.141	ng/u1	97
27) Bis(2-Chloroethoxy)met...	9.928	93	139764	4.258	ng/u1	99
29) 2,4-Dichlorophenol	10.146	162	87717	4.439	ng/u1	96
30) Naphthalene	10.551	128	322559	4.445	ng/u1	100
32) 4-Chloroaniline	10.669	127	131276	4.142	ng/u1	97
33) Hexachlorobutadiene	10.822	225	52022	4.697	ng/u1	96
34) Caprolactam	11.475	113	30568	3.972	ng/u1	98
35) 4-Chloro-3-methylphenol	11.793	107	90495	3.949	ng/u1	97
36) 2-Methylnaphthalene	12.169	142	213603	4.427	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.387	142	220989	4.643	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.534	216	104051	4.599	ng/ul	96
40) Hexachlorocyclopentadiene	12.504	237	54869	3.654	ng/ul	95
41) 2,4,6-Trichlorophenol	12.787	196	62709	3.954	ng/ul	99
42) 2,4,5-Trichlorophenol	12.851	196	69408	4.084	ng/ul	96
43) 1,1'-Biphenyl	13.192	154	278852	4.416	ng/ul	99
44) 2-Chloronaphthalene	13.228	162	214381	4.326	ng/ul	99
45) 2-Nitroaniline	13.451	65	59011	3.793	ng/ul	97
47) Dimethylphthalate	13.828	163	272565	4.294	ng/ul	100
48) 2,6-Dinitrotoluene	13.951	165	47095	3.714	ng/ul	94
50) Acenaphthylene	14.081	152	363806	4.375	ng/ul	99
51) 3-Nitroaniline	14.287	138	50158	3.662	ng/ul	98
52) Acenaphthene	14.428	153	242168	4.430	ng/ul	98
53) 2,4-Dinitrophenol	14.492	184	33733	4.159	ng/ul	97
55) 4-Nitrophenol	14.581	109	40736	4.494	ng/ul	86
56) Dibenzofuran	14.763	168	326175	4.486	ng/ul	99
57) 2,4-Dinitrotoluene	14.745	165	69105	3.776	ng/ul	94
58) 2,3,4,6-Tetrachlorophenol	14.986	232	55230	3.927	ng/ul#	97
59) Diethylphthalate	15.204	149	268291	4.073	ng/ul	99
61) Fluorene	15.416	166	271257	4.561	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.416	204	128220	4.646	ng/ul	97
63) 4-Nitroaniline	15.451	138	52464	4.008	ng/ul	98
66) 4,6-Dinitro-2-methylph...	15.498	198	53121	4.542	ng/ul#	83
67) N-Nitrosodiphenylamine	15.633	169	216991	4.273	ng/ul	99
68) 4-Bromophenyl-phenylether	16.316	248	73792	4.376	ng/ul	92
69) Hexachlorobenzene	16.410	284	87957	4.579	ng/ul	92
70) Atrazine	16.592	200	84442	5.089	ng/ul	98
71) Pentachlorophenol	16.763	266	58585	4.619	ng/ul	98
72) Phenanthrene	17.157	178	414067	4.329	ng/ul	100
74) Anthracene	17.251	178	399555	4.131	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.145	216	100601	4.467	ng/uL	98
76) Pentachlorobenzene	14.675	250	108688	4.992	ng/uL	99
77) Carbazole	17.527	167	365870	4.025	ng/ul	99
78) Di-n-butylphthalate	18.098	149	436950	3.574	ng/ul	100
80) Fluoranthene	19.180	202	453846	4.253	ng/ul	96
82) Pyrene	19.545	202	488701	4.399	ng/ul	96
83) Butylbenzylphthalate	20.463	149	173994	3.185	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.233	252	140562	4.448	ng/ul	96
85) Benzo(a)anthracene	21.292	228	445142	4.057	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.239	149	265501	3.333	ng/ul	98
87) Chrysene	21.345	228	412505	4.061	ng/ul	99
89) Di-n-octyl phthalate	22.127	149	441510	3.524	ng/ul	100
90) Benzo(b)fluoranthene	22.886	252	391158	4.176	ng/ul	99
91) Benzo(k)fluoranthene	22.927	252	408033	4.448	ng/ul	99
93) Benzo(a)pyrene	23.462	252	368280	4.203	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	25.833	276	387239	3.940	ng/ul	95
95) Dibenzo(a,h)anthracene	25.856	278	320928	3.916	ng/ul	99
96) Benzo(g,h,i)perylene	26.533	276	299228	3.815	ng/ul	98

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

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