

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101323\
 Data File : BM042285.D
 Acq On : 13 Oct 2023 15:10
 Operator : MA/JU
 Sample : 02215-05
 Misc : SFAM-MDL-ME SOIL-01
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-MED-SOIL-QT2-2023-03

Quant Time: Oct 13 15:49:23 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM101223.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 12 15:38:21 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/16/2023
 Supervised By :mohammad ahmed 10/17/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.010	152	113151	20.000	ng/u1	0.00
20) Naphthalene-d8	10.833	136	511035	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.657	164	316384	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.409	188	688229	20.000	ng/u1	0.00
79) Chrysene-d12	21.591	240	655147	20.000	ng/u1	0.00
88) Perylene-d12	24.068	264	716441	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.369	96	23321	6.440	ng/uL	0.00
4) Pyridine-d5	3.799	84	310755	28.974	ng/u1	0.00
7) Phenol-d5	7.157	99	340583	27.160	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.351	67	233904	27.605	ng/u1	0.00
11) 2-Chlorophenol-d4	7.528	132	242079	28.062	ng/u1	0.00
15) 4-Methylphenol-d8	8.716	113	263778	26.561	ng/u1	0.00
21) Nitrobenzene-d5	9.210	128	124492	28.684	ng/u1	0.00
24) 2-Nitrophenol-d4	9.922	143	132162	28.486	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.445	165	232581	27.470	ng/u1	0.00
31) 4-Chloroaniline-d4	10.992	131	359004	26.930	ng/u1	0.00
46) Dimethylphthalate-d6	14.068	166	779287	28.414	ng/u1	0.00
49) Acenaphthylene-d8	14.357	160	878866	29.279	ng/u1	0.00
54) 4-Nitrophenol-d4	14.868	143	148162	26.859	ng/u1	0.00
60) Fluorene-d10	15.651	176	661312	29.332	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.774	200	111276	23.081	ng/u1	0.00
73) Anthracene-d10	17.509	188	1027209	29.136	ng/u1	0.00
81) Pyrene-d10	19.803	212	1179917	29.550	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.909	264	1184720	30.127	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.404	88	4210	1.061	ng/uL#	95
5) Pyridine	3.822	79	49489	4.457	ng/u1#	65
6) Benzaldehyde	7.169	77	38861	6.062	ng/u1	98
8) Phenol	7.187	94	53472	4.222	ng/u1	100
10) Bis(2-Chloroethyl)ether	7.445	93	48489	4.611	ng/u1	99
12) 2-Chlorophenol	7.563	128	39900	4.428	ng/u1	99
13) 2-Methylphenol	8.451	108	37085	3.924	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.522	45	79790	4.450	ng/u1	100
16) Acetophenone	8.857	105	68569	4.448	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.822	70	38041	4.169	ng/u1	96
18) 4-Methylphenol	8.781	108	42611	4.091	ng/u1	94
19) Hexachloroethane	9.081	117	16788	4.416	ng/u1	96
22) Nitrobenzene	9.251	77	57267	4.665	ng/u1	96
23) Isophorone	9.763	82	96230	4.043	ng/u1	99
25) 2-Nitrophenol	9.957	139	22741	4.479	ng/u1	96
26) 2,4-Dimethylphenol	9.992	107	46190	4.281	ng/u1	96
27) Bis(2-Chloroethoxy)met...	10.251	93	66990	4.501	ng/u1	97
29) 2,4-Dichlorophenol	10.475	162	36872	4.459	ng/u1	95
30) Naphthalene	10.886	128	141342	4.718	ng/u1	99
32) 4-Chloroaniline	11.022	127	58335	4.527	ng/u1	97
33) Hexachlorobutadiene	11.116	225	22287	4.669	ng/u1	96
34) Caprolactam	11.851	113	19188m	6.355	ng/u1	
35) 4-Chloro-3-methylphenol	12.116	107	40170	3.944	ng/u1	94
36) 2-Methylnaphthalene	12.486	142	93965	4.583	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.704	142	96858	4.674	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.833	216	45441	4.561	ng/ul	96
40) Hexachlorocyclopentadiene	12.786	237	40510	6.283	ng/ul	95
41) 2,4,6-Trichlorophenol	13.092	196	25832	3.878	ng/ul	96
42) 2,4,5-Trichlorophenol	13.157	196	27998	3.915	ng/ul	95
43) 1,1'-Biphenyl	13.492	154	123986	4.572	ng/ul	100
44) 2-Chloronaphthalene	13.539	162	97611	4.696	ng/ul	98
45) 2-Nitroaniline	13.774	65	26718	3.576	ng/ul	96
47) Dimethylphthalate	14.115	163	126256	4.626	ng/ul	100
48) 2,6-Dinitrotoluene	14.263	165	17175	3.476	ng/ul	97
50) Acenaphthylene	14.386	152	164213	4.737	ng/ul	99
51) 3-Nitroaniline	14.598	138	20771	3.567	ng/ul	100
52) Acenaphthene	14.721	153	108319	4.651	ng/ul	99
53) 2,4-Dinitrophenol	14.804	184	24191	7.234	ng/ul	98
55) 4-Nitrophenol	14.880	109	19127	4.274	ng/ul	98
56) Dibenzofuran	15.057	168	149079	4.765	ng/ul	97
57) 2,4-Dinitrotoluene	15.039	165	28468	3.908	ng/ul	100
58) 2,3,4,6-Tetrachlorophenol	15.268	232	23306	3.884	ng/ul#	95
59) Diethylphthalate	15.462	149	124414	4.466	ng/ul	100
61) Fluorene	15.704	166	122263	4.712	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.692	204	58362	4.658	ng/ul	96
63) 4-Nitroaniline	15.762	138	23153	4.445	ng/ul#	66
66) 4,6-Dinitro-2-methylph...	15.786	198	20299	4.026	ng/ul#	79
67) N-Nitrosodiphenylamine	15.915	169	97697	4.462	ng/ul	99
68) 4-Bromophenyl-phenylether	16.592	248	32285	4.361	ng/ul	93
69) Hexachlorobenzene	16.674	284	37226	4.423	ng/ul	98
70) Atrazine	16.862	200	28787	3.832	ng/ul	98
71) Pentachlorophenol	17.033	266	31905	5.594	ng/ul	98
72) Phenanthrene	17.451	178	193787	4.590	ng/ul	99
74) Anthracene	17.545	178	199377	4.695	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.451	216	43891	4.304	ng/uL	96
76) Pentachlorobenzene	14.945	250	48356	4.830	ng/uL	97
77) Carbazole	17.827	167	163733	4.233	ng/ul	99
78) Di-n-butylphthalate	18.350	149	185934	3.797	ng/ul	100
80) Fluoranthene	19.462	202	203766	4.309	ng/ul	98
82) Pyrene	19.827	202	233983	4.707	ng/ul	96
83) Butylbenzylphthalate	20.709	149	74470	3.514	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.515	252	56060	3.582	ng/ul	99
85) Benzo(a)anthracene	21.574	228	212958	4.285	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.456	149	111424	3.559	ng/ul	99
87) Chrysene	21.633	228	205876	4.504	ng/ul	99
89) Di-n-octyl phthalate	22.403	149	195087	3.371	ng/ul	100
90) Benzo(b)fluoranthene	23.297	252	207953	4.272	ng/ul	99
91) Benzo(k)fluoranthene	23.350	252	200856	4.172	ng/ul	97
93) Benzo(a)pyrene	23.956	252	202041	4.435	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	26.668	276	220828	3.991	ng/ul	97
95) Dibenzo(a,h)anthracene	26.685	278	183405	3.996	ng/ul	98
96) Benzo(g,h,i)perylene	27.473	276	176481	4.077	ng/ul	99

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

