

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM030123\
 Data File : BM038823.D
 Acq On : 01 Mar 2023 11:30
 Operator : CG/JU
 Sample : 01378-03
 Misc : SFAM-MDL-SOIL-01
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-QT1-2023-01

Quant Time: Mar 01 12:02:11 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM022823.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Mar 01 02:09:21 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/02/2023
 Supervised By :Jagrut Upadhyay 03/03/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.010	152	212219	20.000	ng/u1	0.00
20) Naphthalene-d8	10.827	136	958397	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.645	164	604855	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.386	188	1320226	20.000	ng/u1	0.00
79) Chrysene-d12	21.568	240	1338641	20.000	ng/u1	0.00
88) Perylene-d12	24.027	264	1556597	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.381	96	28382	4.994	ng/uL	0.00
4) Pyridine-d5	3.804	84	229773	14.704	ng/u1	0.00
7) Phenol-d5	7.157	99	359929	18.090	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.334	67	239893	18.871	ng/u1	0.00
11) 2-Chlorophenol-d4	7.534	132	282508	19.055	ng/u1	0.00
15) 4-Methylphenol-d8	8.710	113	273829	17.470	ng/u1	0.00
21) Nitrobenzene-d5	9.175	128	127976	19.021	ng/u1	0.00
24) 2-Nitrophenol-d4	9.898	143	119332	18.928	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.439	165	260907	17.809	ng/u1	0.00
31) 4-Chloroaniline-d4	10.957	131	421865	17.276	ng/u1	0.00
46) Dimethylphthalate-d6	14.057	166	886218	18.917	ng/u1	0.00
49) Acenaphthylene-d8	14.339	160	1008910	18.426	ng/u1	0.00
54) 4-Nitrophenol-d4	14.821	143	147831	15.763	ng/u1	0.00
60) Fluorene-d10	15.633	176	775167	18.761	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.745	200	90544	13.192	ng/u1	0.00
73) Anthracene-d10	17.486	188	1156417	17.764	ng/u1	0.00
81) Pyrene-d10	19.774	212	1435437	19.496	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.868	264	1497041	19.084	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.416	88	8061	1.320	ng/uL	95
5) Pyridine	3.828	79	65534	3.896	ng/u1#	82
6) Benzaldehyde	7.139	77	48364m	5.019	ng/u1	
8) Phenol	7.181	94	94568	4.441	ng/u1	100
10) Bis(2-Chloroethyl)ether	7.428	93	77905	4.595	ng/u1	96
12) 2-Chlorophenol	7.569	128	70705	4.630	ng/u1	97
13) 2-Methylphenol	8.451	108	66949	4.206	ng/u1	94
14) 2,2'-oxybis(1-Chloropr...	8.551	45	96931	4.554	ng/u1	99
16) Acetophenone	8.833	105	128128	4.703	ng/u1	96
17) N-Nitroso-di-n-propyla...	8.822	70	57108	4.564	ng/u1	96
18) 4-Methylphenol	8.775	108	77962	4.411	ng/u1	100
19) Hexachloroethane	9.098	117	27276	4.459	ng/u1	92
22) Nitrobenzene	9.216	77	87572	4.758	ng/u1	99
23) Isophorone	9.745	82	166349	4.443	ng/u1	99
25) 2-Nitrophenol	9.933	139	35007	4.682	ng/u1	97
26) 2,4-Dimethylphenol	9.992	107	75248	4.097	ng/u1	99
27) Bis(2-Chloroethoxy)met...	10.233	93	109445	4.763	ng/u1	99
29) 2,4-Dichlorophenol	10.463	162	69886	4.706	ng/u1	98
30) Naphthalene	10.875	128	261945	4.790	ng/u1	100
32) 4-Chloroaniline	10.980	127	112835	4.564	ng/u1	99
33) Hexachlorobutadiene	11.169	225	43561	4.714	ng/u1	96
34) Caprolactam	11.745	113	22610m	4.440	ng/u1	
35) 4-Chloro-3-methylphenol	12.092	107	70048	4.172	ng/u1	99
36) 2-Methylnaphthalene	12.480	142	170417	4.774	ng/u1	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM030123\
 Data File : BM038823.D
 Acq On : 01 Mar 2023 11:30
 Operator : CG/JU
 Sample : 01378-03
 Misc : SFAM-MDL-SOIL-01
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-QT1-2023-01

Quant Time: Mar 01 12:02:11 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM022823.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Mar 01 02:09:21 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/02/2023
 Supervised By :Jagrut Upadhyay 03/03/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.698	142	136879	3.806	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.845	216	90205	4.986	ng/ul	98
40) Hexachlorocyclopentadiene	12.827	237	51417	5.267	ng/ul	98
41) 2,4,6-Trichlorophenol	13.080	196	49437	4.332	ng/ul	97
42) 2,4,5-Trichlorophenol	13.145	196	55540m	4.422	ng/ul	
43) 1,1'-Biphenyl	13.486	154	235419	4.935	ng/ul	98
44) 2-Chloronaphthalene	13.527	162	184185	4.895	ng/ul	99
45) 2-Nitroaniline	13.721	65	31093	3.662	ng/ul	95
47) Dimethylphthalate	14.104	163	231795	4.882	ng/ul	99
48) 2,6-Dinitrotoluene	14.216	165	26725	3.557	ng/ul#	88
50) Acenaphthylene	14.368	152	302095	4.975	ng/ul	99
51) 3-Nitroaniline	14.539	138	32217	3.417	ng/ul#	97
52) Acenaphthene	14.710	153	203567	4.870	ng/ul	98
53) 2,4-Dinitrophenol	14.745	184	21432	5.018	ng/ul	93
55) 4-Nitrophenol	14.833	109	33491m	4.471	ng/ul	
56) Dibenzofuran	15.039	168	292023	5.032	ng/ul	100
57) 2,4-Dinitrotoluene	14.998	165	44364	3.820	ng/ul	99
58) 2,3,4,6-Tetrachlorophenol	15.262	232	45306	4.143	ng/ul	99
59) Diethylphthalate	15.462	149	216845	4.616	ng/ul	99
61) Fluorene	15.692	166	239200	4.916	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.686	204	116065	4.941	ng/ul	99
63) 4-Nitroaniline	15.698	138	37007m	3.795	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.757	198	27452	3.865	ng/ul#	96
67) N-Nitrosodiphenylamine	15.898	169	185388	4.643	ng/ul	100
68) 4-Bromophenyl-phenylether	16.580	248	64300	4.732	ng/ul	97
69) Hexachlorobenzene	16.692	284	81542	4.954	ng/ul	97
70) Atrazine	16.845	200	51948	3.846	ng/ul	97
71) Pentachlorophenol	17.033	266	37621	3.759	ng/ul	95
72) Phenanthrene	17.427	178	379403	4.974	ng/ul	100
74) Anthracene	17.521	178	363679	4.682	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.451	216	70765	3.803	ng/uL	98
76) Pentachlorobenzene	14.963	250	69535	3.637	ng/uL	99
77) Carbazole	17.786	167	324390	4.498	ng/ul	99
78) Di-n-butylphthalate	18.362	149	299270	4.079	ng/ul	99
80) Fluoranthene	19.439	202	408937	4.829	ng/ul	99
82) Pyrene	19.803	202	471513	5.078	ng/ul	98
83) Butylbenzylphthalate	20.709	149	94806	3.843	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.486	252	93357	3.559	ng/ul	99
85) Benzo(a)anthracene	21.550	228	444963	4.811	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.491	149	158186	3.857	ng/ul	100
87) Chrysene	21.603	228	448079	4.954	ng/ul	98
89) Di-n-octyl phthalate	22.444	149	247713	3.165	ng/ul	100
90) Benzo(b)fluoranthene	23.274	252	450944	4.666	ng/ul	99
91) Benzo(k)fluoranthene	23.321	252	472419	4.758	ng/ul	98
93) Benzo(a)pyrene	23.915	252	437989	4.892	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.585	276	553810	4.679	ng/ul	98
95) Dibenzo(a,h)anthracene	26.609	278	465893	4.666	ng/ul	99
96) Benzo(g,h,i)perylene	27.368	276	459611	4.743	ng/ul	97

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

