

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101623\
 Data File : BM042294.D
 Acq On : 16 Oct 2023 12:09
 Operator : MA/JU
 Sample : 02215-06
 Misc : SFAM-MDL-ME-SOIL-02
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-MED-SOIL-QT2-2023-04

Quant Time: Oct 17 01:54:02 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 10/17/2023
 Supervised By :mohammad ahmed 10/18/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.010	152	115853	20.000	ng/u1	0.00
20) Naphthalene-d8	10.834	136	528459	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.657	164	320039	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.410	188	680925	20.000	ng/u1	0.00
79) Chrysene-d12	21.592	240	643904	20.000	ng/u1	0.00
88) Perylene-d12	24.068	264	683994	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.369	96	26318	7.098	ng/uL	0.00
4) Pyridine-d5	3.799	84	337766	30.758	ng/u1	0.00
7) Phenol-d5	7.157	99	364658	28.401	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.351	67	253311	29.199	ng/u1	0.00
11) 2-Chlorophenol-d4	7.534	132	252175	28.551	ng/u1	0.00
15) 4-Methylphenol-d8	8.716	113	278524	27.392	ng/u1	0.00
21) Nitrobenzene-d5	9.210	128	130137	28.996	ng/u1	0.00
24) 2-Nitrophenol-d4	9.922	143	136870	28.528	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.445	165	237745	27.154	ng/u1	0.00
31) 4-Chloroaniline-d4	10.998	131	369949	26.836	ng/u1	0.00
46) Dimethylphthalate-d6	14.069	166	789447	28.456	ng/u1	0.00
49) Acenaphthylene-d8	14.357	160	898875	29.603	ng/u1	0.00
54) 4-Nitrophenol-d4	14.869	143	149652	26.819	ng/u1	0.00
60) Fluorene-d10	15.651	176	670630	29.406	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.774	200	109553	22.967	ng/u1	0.00
73) Anthracene-d10	17.510	188	1019565	29.230	ng/u1	0.00
81) Pyrene-d10	19.798	212	1187841	30.268	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.909	264	1154955	30.763	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.411	88	5126	1.261	ng/uL	90
5) Pyridine	3.828	79	52142	4.587	ng/u1#	76
6) Benzaldehyde	7.169	77	43392	6.611	ng/u1	98
8) Phenol	7.187	94	58399	4.504	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.446	93	51535	4.786	ng/u1	100
12) 2-Chlorophenol	7.563	128	41661	4.516	ng/u1	97
13) 2-Methylphenol	8.451	108	39424	4.074	ng/u1	96
14) 2,2'-oxybis(1-Chloropr...	8.522	45	87284m	4.754	ng/u1	
16) Acetophenone	8.863	105	72988	4.624	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.828	70	40900	4.378	ng/u1	98
18) 4-Methylphenol	8.781	108	44357	4.159	ng/u1	99
19) Hexachloroethane	9.081	117	17825	4.580	ng/u1	96
22) Nitrobenzene	9.251	77	60239	4.745	ng/u1	99
23) Isophorone	9.763	82	103375	4.200	ng/u1	100
25) 2-Nitrophenol	9.957	139	23717	4.517	ng/u1	96
26) 2,4-Dimethylphenol	9.992	107	48924	4.385	ng/u1	95
27) Bis(2-Chloroethoxy)met...	10.251	93	71683	4.658	ng/u1	99
29) 2,4-Dichlorophenol	10.475	162	37842	4.425	ng/u1	98
30) Naphthalene	10.887	128	143813	4.642	ng/u1	99
32) 4-Chloroaniline	11.022	127	61584	4.622	ng/u1	98
33) Hexachlorobutadiene	11.116	225	22506	4.559	ng/u1	96
34) Caprolactam	11.845	113	19903	6.374	ng/u1	95
35) 4-Chloro-3-methylphenol	12.116	107	41576	3.947	ng/u1	100
36) 2-Methylnaphthalene	12.486	142	95046	4.483	ng/u1	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101623\
 Data File : BM042294.D
 Acq On : 16 Oct 2023 12:09
 Operator : MA/JU
 Sample : 02215-06
 Misc : SFAM-MDL-ME-SOIL-02
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-MED-SOIL-QT2-2023-04

Quant Time: Oct 17 01:54:02 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 10/17/2023
 Supervised By :mohammad ahmed 10/18/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.704	142	99279	4.632	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.839	216	46221	4.587	ng/ul	97
40) Hexachlorocyclopentadiene	12.786	237	38819	5.952	ng/ul	100
41) 2,4,6-Trichlorophenol	13.092	196	26624	3.952	ng/ul	98
42) 2,4,5-Trichlorophenol	13.163	196	29331	4.055	ng/ul	98
43) 1,1'-Biphenyl	13.492	154	128625	4.689	ng/ul	97
44) 2-Chloronaphthalene	13.539	162	98454	4.683	ng/ul	98
45) 2-Nitroaniline	13.775	65	28669	3.793	ng/ul	96
47) Dimethylphthalate	14.116	163	126430	4.580	ng/ul	100
48) 2,6-Dinitrotoluene	14.263	165	17622	3.526	ng/ul	94
50) Acenaphthylene	14.386	152	164075	4.679	ng/ul	100
51) 3-Nitroaniline	14.604	138	20944	3.555	ng/ul#	96
52) Acenaphthene	14.722	153	110029	4.671	ng/ul	97
53) 2,4-Dinitrophenol	14.804	184	25185	7.445	ng/ul	98
55) 4-Nitrophenol	14.880	109	19574	4.324	ng/ul	87
56) Dibenzofuran	15.057	168	150563	4.758	ng/ul	99
57) 2,4-Dinitrotoluene	15.045	165	28914	3.924	ng/ul#	95
58) 2,3,4,6-Tetrachlorophenol	15.269	232	23532	3.876	ng/ul#	87
59) Diethylphthalate	15.463	149	126014	4.472	ng/ul	98
61) Fluorene	15.704	166	123718	4.714	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.692	204	57509	4.538	ng/ul	95
63) 4-Nitroaniline	15.763	138	23433	4.448	ng/ul#	58
66) 4,6-Dinitro-2-methylph...	15.786	198	20492	4.108	ng/ul#	72
67) N-Nitrosodiphenylamine	15.916	169	98489	4.546	ng/ul	99
68) 4-Bromophenyl-phenylether	16.592	248	30957	4.227	ng/ul	94
69) Hexachlorobenzene	16.674	284	35761	4.295	ng/ul	98
70) Atrazine	16.863	200	28640	3.853	ng/ul	99
71) Pentachlorophenol	17.033	266	32311	5.726	ng/ul	95
72) Phenanthrene	17.451	178	188892	4.522	ng/ul	99
74) Anthracene	17.545	178	195890	4.663	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.451	216	44036	4.365	ng/uL	99
76) Pentachlorobenzene	14.951	250	47553	4.800	ng/uL	94
77) Carbazole	17.827	167	165168	4.316	ng/ul	99
78) Di-n-butylphthalate	18.351	149	195266	4.031	ng/ul	99
80) Fluoranthene	19.462	202	201520	4.336	ng/ul	97
82) Pyrene	19.827	202	228701	4.681	ng/ul	94
83) Butylbenzylphthalate	20.709	149	76892	3.692	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.515	252	59359	3.859	ng/ul	97
85) Benzo(a)anthracene	21.574	228	209418	4.287	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.456	149	116584	3.789	ng/ul	100
87) Chrysene	21.627	228	199411	4.439	ng/ul	99
89) Di-n-octyl phthalate	22.403	149	197855	3.581	ng/ul	100
90) Benzo(b)fluoranthene	23.297	252	200143	4.306	ng/ul#	97
91) Benzo(k)fluoranthene	23.350	252	196405m	4.273	ng/ul	
93) Benzo(a)pyrene	23.956	252	181010	4.162	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	26.668	276	212135	4.016	ng/ul	97
95) Dibenzo(a,h)anthracene	26.685	278	176009	4.017	ng/ul	99
96) Benzo(g,h,i)perylene	27.474	276	168006	4.066	ng/ul	97

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

