

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101723\
 Data File : BM042324.D
 Acq On : 17 Oct 2023 17:10
 Operator : MA/JU
 Sample : 03573-06
 Misc : SFAM-MDL-SOIL-02
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-MED-SOIL-QT3-2023-06

Quant Time: Oct 18 02:02:48 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
 10/18/2023

Supervised By :mohammad
 ahmed
 10/19/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.010	152	136230	20.000	ng/u1	0.00
20) Naphthalene-d8	10.834	136	623518	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.651	164	381401	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.404	188	813513	20.000	ng/u1	0.00
79) Chrysene-d12	21.586	240	754592	20.000	ng/u1	-0.01
88) Perylene-d12	24.062	264	769976	20.000	ng/u1	-0.01

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.369	96	29048	6.662	ng/uL	0.00
4) Pyridine-d5	3.805	84	398711	30.877	ng/u1	0.00
7) Phenol-d5	7.157	99	434683	28.791	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.351	67	298910	29.301	ng/u1	0.00
11) 2-Chlorophenol-d4	7.534	132	299848	28.871	ng/u1	0.00
15) 4-Methylphenol-d8	8.716	113	328855	27.504	ng/u1	0.00
21) Nitrobenzene-d5	9.210	128	154277	29.134	ng/u1	0.00
24) 2-Nitrophenol-d4	9.922	143	164433	29.048	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.445	165	281537	27.253	ng/u1	0.00
31) 4-Chloroaniline-d4	10.992	131	440964	27.111	ng/u1	0.00
46) Dimethylphthalate-d6	14.069	166	923827	27.942	ng/u1	0.00
49) Acenaphthylene-d8	14.357	160	1064552	29.419	ng/u1	0.00
54) 4-Nitrophenol-d4	14.863	143	177243	26.653	ng/u1	-0.01
60) Fluorene-d10	15.645	176	798025	29.362	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.769	200	128150	22.487	ng/u1	0.00
73) Anthracene-d10	17.504	188	1196817	28.719	ng/u1	0.00
81) Pyrene-d10	19.798	212	1404411	30.537	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.897	264	1331457	31.504	ng/u1	-0.02

Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.405	88	6084	1.273	ng/uL	94
5) Pyridine	3.828	79	63315	4.736	ng/u1#	78
6) Benzaldehyde	7.169	77	50447	6.536	ng/u1	98
8) Phenol	7.187	94	68914	4.520	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.446	93	60020	4.740	ng/u1	99
12) 2-Chlorophenol	7.563	128	49582	4.571	ng/u1	99
13) 2-Methylphenol	8.451	108	46042	4.046	ng/u1	100
14) 2,2'-oxybis(1-Chloropr...	8.522	45	103109m	4.776	ng/u1	
16) Acetophenone	8.863	105	86235	4.646	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.828	70	48193	4.387	ng/u1	99
18) 4-Methylphenol	8.781	108	53782	4.288	ng/u1	100
19) Hexachloroethane	9.081	117	20768	4.538	ng/u1	97
22) Nitrobenzene	9.251	77	70862	4.731	ng/u1	99
23) Isophorone	9.763	82	122555	4.220	ng/u1	99
25) 2-Nitrophenol	9.957	139	28084	4.534	ng/u1	97
26) 2,4-Dimethylphenol	9.992	107	52237	3.968	ng/u1	98
27) Bis(2-Chloroethoxy)met...	10.251	93	83871	4.619	ng/u1	99
29) 2,4-Dichlorophenol	10.475	162	44994	4.460	ng/u1	99
30) Naphthalene	10.886	128	171569	4.694	ng/u1	99
32) 4-Chloroaniline	11.022	127	71336	4.537	ng/u1	97
33) Hexachlorobutadiene	11.116	225	27303	4.688	ng/u1	95
34) Caprolactam	11.851	113	23307	6.327	ng/u1	94
35) 4-Chloro-3-methylphenol	12.116	107	50485	4.062	ng/u1	97
36) 2-Methylnaphthalene	12.486	142	112922	4.514	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.704	142	117508	4.647	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.833	216	53686	4.470	ng/ul	98
40) Hexachlorocyclopentadiene	12.780	237	38099	4.902	ng/ul	92
41) 2,4,6-Trichlorophenol	13.086	196	31281	3.896	ng/ul	97
42) 2,4,5-Trichlorophenol	13.157	196	34168	3.964	ng/ul	99
43) 1,1'-Biphenyl	13.492	154	149021	4.559	ng/ul	100
44) 2-Chloronaphthalene	13.539	162	117435	4.687	ng/ul	97
45) 2-Nitroaniline	13.775	65	34285	3.806	ng/ul	97
47) Dimethylphthalate	14.116	163	150235	4.566	ng/ul	98
48) 2,6-Dinitrotoluene	14.257	165	21650	3.635	ng/ul	94
50) Acenaphthylene	14.386	152	197467	4.725	ng/ul	99
51) 3-Nitroaniline	14.598	138	24706	3.519	ng/ul#	89
52) Acenaphthene	14.716	153	130732	4.657	ng/ul	98
53) 2,4-Dinitrophenol	14.798	184	28473	7.063	ng/ul	83
55) 4-Nitrophenol	14.880	109	23442	4.345	ng/ul	92
56) Dibenzofuran	15.051	168	175468	4.653	ng/ul	99
57) 2,4-Dinitrotoluene	15.039	165	34239	3.899	ng/ul	91
58) 2,3,4,6-Tetrachlorophenol	15.269	232	28341	3.918	ng/ul	93
59) Diethylphthalate	15.463	149	149953	4.465	ng/ul	99
61) Fluorene	15.698	166	145325	4.646	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.692	204	67904	4.496	ng/ul	99
63) 4-Nitroaniline	15.757	138	27690	4.410	ng/ul#	76
66) 4,6-Dinitro-2-methylph...	15.786	198	23402	3.927	ng/ul#	87
67) N-Nitrosodiphenylamine	15.916	169	115997	4.482	ng/ul	99
68) 4-Bromophenyl-phenylether	16.586	248	36558	4.178	ng/ul	98
69) Hexachlorobenzene	16.668	284	42709	4.293	ng/ul	95
70) Atrazine	16.857	200	34834	3.922	ng/ul	98
71) Pentachlorophenol	17.033	266	38037	5.643	ng/ul	95
72) Phenanthrene	17.445	178	224949	4.508	ng/ul	100
74) Anthracene	17.539	178	224542	4.474	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.445	216	51786	4.296	ng/uL	98
76) Pentachlorobenzene	14.945	250	55338	4.676	ng/uL	98
77) Carbazole	17.821	167	195430	4.274	ng/ul	99
78) Di-n-butylphthalate	18.345	149	233002	4.026	ng/ul	99
80) Fluoranthene	19.456	202	238877	4.386	ng/ul	98
82) Pyrene	19.821	202	265656	4.640	ng/ul	93
83) Butylbenzylphthalate	20.703	149	93766	3.842	ng/ul	100
84) 3,3'-Dichlorobenzidine	21.509	252	66467	3.687	ng/ul	96
85) Benzo(a)anthracene	21.568	228	247588	4.325	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.451	149	145343	4.031	ng/ul	99
87) Chrysene	21.621	228	232133	4.410	ng/ul	99
89) Di-n-octyl phthalate	22.397	149	239650	3.853	ng/ul	100
90) Benzo(b)fluoranthene	23.292	252	227561	4.349	ng/ul	98
91) Benzo(k)fluoranthene	23.339	252	226854m	4.384	ng/ul	
93) Benzo(a)pyrene	23.944	252	221047	4.515	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	26.644	276	241481	4.061	ng/ul	97
95) Dibenzo(a,h)anthracene	26.668	278	199117	4.037	ng/ul	97
96) Benzo(g,h,i)perylene	27.462	276	189035	4.064	ng/ul	97

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

