

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM010623\
 Data File : BM038386.D
 Acq On : 06 Jan 2023 13:20
 Operator : CG/JU
 Sample : N5388-06
 Misc : SFAM-MDL-MES-02-4PPM
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-MED-SOIL-QT4-2022-08

Quant Time: Jan 06 14:16:01 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM010423.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jan 05 02:11:50 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 01/09/2023
 Supervised By :mohammad ahmed 01/09/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.998	152	71263	20.000	ng/u1	0.00
20) Naphthalene-d8	10.810	136	268148	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.627	164	170426	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.374	188	385681	20.000	ng/u1	0.00
79) Chrysene-d12	21.544	240	404407	20.000	ng/u1	0.00
88) Perylene-d12	23.974	264	499336	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.363	96	9042	4.115	ng/uL	0.00
4) Pyridine-d5	3.799	84	73109	11.500	ng/u1	0.00
7) Phenol-d5	7.157	99	101395	15.619	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.322	67	77400	16.574	ng/u1	0.00
11) 2-Chlorophenol-d4	7.522	132	76117	16.364	ng/u1	0.00
15) 4-Methylphenol-d8	8.710	113	74976	14.962	ng/u1	0.00
21) Nitrobenzene-d5	9.169	128	34622	16.457	ng/u1	0.00
24) 2-Nitrophenol-d4	9.892	143	38752	16.242	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.427	165	71668	15.555	ng/u1	0.00
31) 4-Chloroaniline-d4	10.951	131	93559	14.715	ng/u1	0.00
46) Dimethylphthalate-d6	14.039	166	207993	16.115	ng/u1	0.00
49) Acenaphthylene-d8	14.327	160	232474	15.456	ng/u1	0.00
54) 4-Nitrophenol-d4	14.833	143	31179	13.419	ng/u1	0.00
60) Fluorene-d10	15.621	176	182920	15.584	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.745	200	37811	13.527	ng/u1	0.00
73) Anthracene-d10	17.468	188	290425	15.610	ng/u1	0.00
81) Pyrene-d10	19.756	212	360274	16.009	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.815	264	407182	16.418	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.399	88	2938	1.252	ng/uL	99
5) Pyridine	3.822	79	21630	3.221	ng/u1#	71
6) Benzaldehyde	7.139	77	13764	5.157	ng/u1	94
8) Phenol	7.181	94	26983	3.940	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.416	93	22675	4.135	ng/u1	99
12) 2-Chlorophenol	7.557	128	20136	4.192	ng/u1	98
13) 2-Methylphenol	8.445	108	17677	3.614	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.522	45	34412	3.956	ng/u1	97
16) Acetophenone	8.833	105	32676	3.685	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.810	70	19087	3.995	ng/u1	94
18) 4-Methylphenol	8.775	108	20045	3.766	ng/u1	97
19) Hexachloroethane	9.075	117	9563	4.275	ng/u1	97
22) Nitrobenzene	9.216	77	30422	4.384	ng/u1	95
23) Isophorone	9.733	82	46961	3.948	ng/u1	96
25) 2-Nitrophenol	9.922	139	10249	4.124	ng/u1	97
26) 2,4-Dimethylphenol	9.980	107	22355	3.848	ng/u1	96
27) Bis(2-Chloroethoxy)met...	10.222	93	28083	4.126	ng/u1	98
29) 2,4-Dichlorophenol	10.457	162	18389	4.104	ng/u1	99
30) Naphthalene	10.863	128	58641	4.100	ng/u1	99
32) 4-Chloroaniline	10.980	127	23949	3.697	ng/u1	98
33) Hexachlorobutadiene	11.133	225	14157	4.244	ng/u1	88
34) Caprolactam	11.774	113	4685m	3.664	ng/u1	
35) 4-Chloro-3-methylphenol	12.098	107	19102	4.007	ng/u1	98
36) 2-Methylnaphthalene	12.469	142	38550	4.135	ng/u1	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.680	142	30568	3.169	ng/ul	96
39) 1,2,4,5-Tetrachloroben...	12.827	216	25790	4.280	ng/ul	97
40) Hexachlorocyclopentadiene	12.798	237	12027	2.826	ng/ul	97
41) 2,4,6-Trichlorophenol	13.068	196	15096	4.036	ng/ul	94
42) 2,4,5-Trichlorophenol	13.145	196	15924m	3.973	ng/ul	
43) 1,1'-Biphenyl	13.468	154	50074	3.887	ng/ul	97
44) 2-Chloronaphthalene	13.510	162	41420	3.938	ng/ul	98
45) 2-Nitroaniline	13.727	65	12078	3.433	ng/ul	94
47) Dimethylphthalate	14.086	163	51973	3.968	ng/ul	96
48) 2,6-Dinitrotoluene	14.215	165	8606	3.451	ng/ul	99
50) Acenaphthylene	14.351	152	63985	4.010	ng/ul	97
51) 3-Nitroaniline	14.545	138	7556	3.290	ng/ul#	97
52) Acenaphthene	14.692	153	45190	4.002	ng/ul	97
53) 2,4-Dinitrophenol	14.757	184	8947	4.799	ng/ul	97
55) 4-Nitrophenol	14.845	109	8741	3.594	ng/ul	89
56) Dibenzofuran	15.027	168	61611	3.839	ng/ul	99
57) 2,4-Dinitrotoluene	14.998	165	12568	3.445	ng/ul#	81
58) 2,3,4,6-Tetrachlorophenol	15.251	232	13276	3.708	ng/ul	98
59) Diethylphthalate	15.439	149	51444	3.789	ng/ul	99
61) Fluorene	15.674	166	50982	3.700	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.668	204	26817	3.698	ng/ul	95
63) 4-Nitroaniline	15.704	138	8449m	3.845	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.757	198	11355	4.239	ng/ul#	91
67) N-Nitrosodiphenylamine	15.880	169	42585	3.872	ng/ul	95
68) 4-Bromophenyl-phenylether	16.556	248	16269	3.982	ng/ul	94
69) Hexachlorobenzene	16.674	284	18434	3.912	ng/ul	92
70) Atrazine	16.827	200	23243	5.113	ng/ul	96
71) Pentachlorophenol	17.021	266	11843	3.808	ng/ul	90
72) Phenanthrene	17.415	178	80923	3.845	ng/ul	97
74) Anthracene	17.503	178	79969	3.696	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.433	216	18235	3.133	ng/uL	97
76) Pentachlorobenzene	14.945	250	17050	3.040	ng/uL	99
77) Carbazole	17.780	167	66818	3.368	ng/ul	99
78) Di-n-butylphthalate	18.327	149	85997	3.628	ng/ul	99
80) Fluoranthene	19.421	202	95416	3.749	ng/ul	99
82) Pyrene	19.786	202	107614	3.880	ng/ul	98
83) Butylbenzylphthalate	20.668	149	38956	3.662	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.462	252	34399	4.079	ng/ul	94
85) Benzo(a)anthracene	21.527	228	107880	3.748	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.439	149	59383	3.617	ng/ul	97
87) Chrysene	21.580	228	105861	3.829	ng/ul	99
89) Di-n-octyl phthalate	22.368	149	111262	3.115	ng/ul	100
90) Benzo(b)fluoranthene	23.227	252	117364	3.715	ng/ul	99
91) Benzo(k)fluoranthene	23.280	252	111744	3.522	ng/ul	98
93) Benzo(a)pyrene	23.868	252	113259	3.961	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.509	276	149391	4.111	ng/ul	99
95) Dibenzo(a,h)anthracene	26.521	278	122369	4.035	ng/ul	96
96) Benzo(g,h,i)perylene	27.291	276	124771	4.194	ng/ul	99

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

