

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM010923\
 Data File : BM038410.D
 Acq On : 09 Jan 2023 12:03
 Operator : CG/JU
 Sample : N4239-03
 Misc : SFAM-MDL-S-01-4PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-QT3-2022-05

Quant Time: Jan 09 12:37:45 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 01/10/2023
 Supervised By :Yogesh Patel 01/11/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.992	152	54102	20.000	ng/u1	0.00
20) Naphthalene-d8	10.810	136	204403	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.627	164	135624	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.368	188	317739	20.000	ng/u1	0.00
79) Chrysene-d12	21.539	240	355122	20.000	ng/u1	0.00
88) Perylene-d12	23.968	264	421981	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.363	96	7215	4.325	ng/uL	0.00
4) Pyridine-d5	3.799	84	60329	12.499	ng/u1	0.00
7) Phenol-d5	7.157	99	86760	17.604	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.322	67	66993	18.895	ng/u1	0.00
11) 2-Chlorophenol-d4	7.522	132	64136	18.162	ng/u1	0.00
15) 4-Methylphenol-d8	8.704	113	64995	17.084	ng/u1	-0.01
21) Nitrobenzene-d5	9.169	128	29143	18.173	ng/u1	0.00
24) 2-Nitrophenol-d4	9.892	143	34195	18.801	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.427	165	62735	17.862	ng/u1	0.00
31) 4-Chloroaniline-d4	10.951	131	78211	16.137	ng/u1	0.00
46) Dimethylphthalate-d6	14.039	166	188912	18.392	ng/u1	0.00
49) Acenaphthylene-d8	14.321	160	207446	17.331	ng/u1	0.00
54) 4-Nitrophenol-d4	14.827	143	26492	14.328	ng/u1	-0.01
60) Fluorene-d10	15.615	176	166396	17.814	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.739	200	33443	14.523	ng/u1	0.00
73) Anthracene-d10	17.468	188	266661	17.398	ng/u1	0.00
81) Pyrene-d10	19.756	212	334287	16.916	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.809	264	372855	17.790	ng/u1	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.404	88	2233	1.254	ng/uL#	84
5) Pyridine	3.822	79	18855	3.698	ng/u1#	76
6) Benzaldehyde	7.134	77	12898m	6.365	ng/u1	
8) Phenol	7.181	94	20641	3.970	ng/u1	96
10) Bis(2-Chloroethyl)ether	7.416	93	17294	4.154	ng/u1	93
12) 2-Chlorophenol	7.557	128	14935	4.095	ng/u1	96
13) 2-Methylphenol	8.445	108	12869	3.465	ng/u1	89
14) 2,2'-oxybis(1-Chloropr...	8.528	45	26719	4.046	ng/u1	98
16) Acetophenone	8.828	105	24958	3.707	ng/u1	95
17) N-Nitroso-di-n-propyla...	8.804	70	14871	4.100	ng/u1	97
18) 4-Methylphenol	8.769	108	15103	3.738	ng/u1	91
19) Hexachloroethane	9.075	117	7512	4.423	ng/u1	96
22) Nitrobenzene	9.210	77	23043	4.357	ng/u1	95
23) Isophorone	9.733	82	37551	4.141	ng/u1	99
25) 2-Nitrophenol	9.928	139	8136	4.295	ng/u1	95
26) 2,4-Dimethylphenol	9.980	107	17498	3.951	ng/u1	95
27) Bis(2-Chloroethoxy)met...	10.216	93	21531	4.150	ng/u1#	86
29) 2,4-Dichlorophenol	10.457	162	13821	4.047	ng/u1	96
30) Naphthalene	10.857	128	44812	4.110	ng/u1	98
32) 4-Chloroaniline	10.975	127	19089	3.865	ng/u1	90
33) Hexachlorobutadiene	11.133	225	10493	4.127	ng/u1#	89
34) Caprolactam	11.774	113	3393m	3.481	ng/u1	
35) 4-Chloro-3-methylphenol	12.092	107	13222	3.638	ng/u1	94
36) 2-Methylnaphthalene	12.463	142	27770	3.907	ng/u1	93

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37) 1-Methylnaphthalene	12.680	142	27377	3.723	ng/ul	95
39) 1,2,4,5-Tetrachloroben...	12.827	216	18760	3.912	ng/ul	100
40) Hexachlorocyclopentadiene	12.798	237	11427	3.374	ng/ul	92
41) 2,4,6-Trichlorophenol	13.068	196	11469	3.853	ng/ul	97
42) 2,4,5-Trichlorophenol	13.145	196	12017m	3.767	ng/ul	
43) 1,1'-Biphenyl	13.463	154	39349	3.838	ng/ul	94
44) 2-Chloronaphthalene	13.510	162	32267	3.855	ng/ul	96
45) 2-Nitroaniline	13.721	65	9950m	3.553	ng/ul	
47) Dimethylphthalate	14.086	163	42465	4.074	ng/ul	98
48) 2,6-Dinitrotoluene	14.210	165	7024	3.539	ng/ul	87
50) Acenaphthylene	14.351	152	49268	3.880	ng/ul	99
51) 3-Nitroaniline	14.545	138	5833m	3.192	ng/ul	
52) Acenaphthene	14.692	153	36107	4.018	ng/ul	98
53) 2,4-Dinitrophenol	14.757	184	5598m	3.773	ng/ul	
55) 4-Nitrophenol	14.845	109	7057	3.646	ng/ul	94
56) Dibenzofuran	15.021	168	50528	3.957	ng/ul	90
57) 2,4-Dinitrotoluene	14.998	165	10776	3.711	ng/ul#	88
58) 2,3,4,6-Tetrachlorophenol	15.251	232	10908	3.829	ng/ul	94
59) Diethylphthalate	15.439	149	43784	4.053	ng/ul	99
61) Fluorene	15.668	166	42260	3.854	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.662	204	22650	3.925	ng/ul	98
63) 4-Nitroaniline	15.704	138	6112m	3.495	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.757	198	9100	4.124	ng/ul#	91
67) N-Nitrosodiphenylamine	15.880	169	33804	3.731	ng/ul	95
68) 4-Bromophenyl-phenylether	16.557	248	12872	3.824	ng/ul	98
69) Hexachlorobenzene	16.668	284	15634	4.027	ng/ul	95
70) Atrazine	16.827	200	13443	3.590	ng/ul	95
71) Pentachlorophenol	17.021	266	9395m	3.667	ng/ul	
72) Phenanthrene	17.409	178	67164	3.874	ng/ul	99
74) Anthracene	17.503	178	69034	3.872	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.433	216	17547	3.659	ng/ul	98
76) Pentachlorobenzene	14.939	250	16750	3.625	ng/ul	96
77) Carbazole	17.774	167	54142	3.312	ng/ul	97
78) Di-n-butylphthalate	18.327	149	75144	3.848	ng/ul	99
80) Fluoranthene	19.421	202	80674	3.610	ng/ul	99
82) Pyrene	19.780	202	91810	3.769	ng/ul	98
83) Butylbenzylphthalate	20.668	149	34324	3.675	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.456	252	28115	3.796	ng/ul	99
85) Benzo(a)anthracene	21.521	228	97325	3.851	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.433	149	54539	3.783	ng/ul	99
87) Chrysene	21.574	228	93911	3.868	ng/ul	98
89) Di-n-octyl phthalate	22.362	149	93227	3.088	ng/ul	100
90) Benzo(b)fluoranthene	23.221	252	97938	3.668	ng/ul	97
91) Benzo(k)fluoranthene	23.274	252	104400	3.894	ng/ul	97
93) Benzo(a)pyrene	23.862	252	90039	3.726	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	26.503	276	120777	3.933	ng/ul	98
95) Dibenzo(a,h)anthracene	26.509	278	100376	3.917	ng/ul	96
96) Benzo(g,h,i)perylene	27.279	276	100734	4.006	ng/ul	98

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

