

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM010523\
 Data File : BM038374.D
 Acq On : 05 Jan 2023 11:35
 Operator : CG/JU
 Sample : N5388-03
 Misc : SFAM-MDL-S-01-4PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-QT4-2022-07

Quant Time: Jan 05 12:15:07 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 01/06/2023
 Supervised By :mohammad ahmed 01/06/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.998	152	58500	20.000	ng/u1	0.00
20) Naphthalene-d8	10.810	136	222694	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.633	164	140436	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.374	188	318897	20.000	ng/u1	0.00
79) Chrysene-d12	21.544	240	333416	20.000	ng/u1	0.00
88) Perylene-d12	23.980	264	404084	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.363	96	8301	4.602	ng/uL	0.00
4) Pyridine-d5	3.799	84	74386	14.253	ng/u1	0.00
7) Phenol-d5	7.157	99	93906	17.621	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.328	67	69371	18.095	ng/u1	0.00
11) 2-Chlorophenol-d4	7.528	132	70852	18.555	ng/u1	0.00
15) 4-Methylphenol-d8	8.710	113	70048	17.028	ng/u1	0.00
21) Nitrobenzene-d5	9.169	128	31776	18.187	ng/u1	0.00
24) 2-Nitrophenol-d4	9.892	143	36024	18.180	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.433	165	65616	17.148	ng/u1	0.00
31) 4-Chloroaniline-d4	10.957	131	85355	16.165	ng/u1	0.00
46) Dimethylphthalate-d6	14.039	166	193311	18.176	ng/u1	0.00
49) Acenaphthylene-d8	14.327	160	221041	17.834	ng/u1	0.00
54) 4-Nitrophenol-d4	14.833	143	27932	14.589	ng/u1	0.00
60) Fluorene-d10	15.621	176	174260	18.017	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.745	200	33504	14.496	ng/u1	0.00
73) Anthracene-d10	17.468	188	275118	17.884	ng/u1	0.00
81) Pyrene-d10	19.756	212	332742	17.934	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.821	264	361705	18.023	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.404	88	2440m	1.267	ng/uL	
5) Pyridine	3.828	79	19419	3.522	ng/u1#	76
6) Benzaldehyde	7.140	77	13067	5.964	ng/u1	98
8) Phenol	7.187	94	22387	3.982	ng/u1	97
10) Bis(2-Chloroethyl)ether	7.422	93	18685	4.151	ng/u1	94
12) 2-Chlorophenol	7.557	128	16583	4.205	ng/u1	97
13) 2-Methylphenol	8.445	108	14218	3.541	ng/u1	93
14) 2,2'-oxybis(1-Chloropr...	8.522	45	27032	3.786	ng/u1	98
16) Acetophenone	8.834	105	27174	3.733	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.810	70	14809	3.776	ng/u1	97
18) 4-Methylphenol	8.775	108	16371	3.747	ng/u1	90
19) Hexachloroethane	9.081	117	7896	4.300	ng/u1	100
22) Nitrobenzene	9.210	77	23943	4.155	ng/u1	93
23) Isophorone	9.739	82	38245	3.871	ng/u1	98
25) 2-Nitrophenol	9.928	139	8366	4.053	ng/u1	100
26) 2,4-Dimethylphenol	9.981	107	18025	3.736	ng/u1	100
27) Bis(2-Chloroethoxy)met...	10.222	93	22075	3.905	ng/u1	95
29) 2,4-Dichlorophenol	10.457	162	14175	3.810	ng/u1	93
30) Naphthalene	10.863	128	48247	4.062	ng/u1	99
32) 4-Chloroaniline	10.980	127	18775	3.490	ng/u1	96
33) Hexachlorobutadiene	11.139	225	12021	4.339	ng/u1	92
34) Caprolactam	11.769	113	3793m	3.571	ng/u1	
35) 4-Chloro-3-methylphenol	12.098	107	13990	3.534	ng/u1	97
36) 2-Methylnaphthalene	12.469	142	29326	3.787	ng/u1	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.686	142	26788	3.344	ng/u1	97
39) 1,2,4,5-Tetrachloroben...	12.833	216	19629	3.953	ng/u1	97
40) Hexachlorocyclopentadiene	12.804	237	11160	3.182	ng/u1	92
41) 2,4,6-Trichlorophenol	13.074	196	11405	3.701	ng/u1	96
42) 2,4,5-Trichlorophenol	13.145	196	11601m	3.512	ng/u1	
43) 1,1'-Biphenyl	13.469	154	40417	3.807	ng/u1	95
44) 2-Chloronaphthalene	13.516	162	32538	3.754	ng/u1	97
45) 2-Nitroaniline	13.727	65	9504	3.278	ng/u1	89
47) Dimethylphthalate	14.086	163	42200	3.910	ng/u1	100
48) 2,6-Dinitrotoluene	14.216	165	6893	3.354	ng/u1	96
50) Acenaphthylene	14.357	152	49043	3.730	ng/u1	97
51) 3-Nitroaniline	14.551	138	6160	3.255	ng/u1	92
52) Acenaphthene	14.698	153	36096	3.879	ng/u1	98
53) 2,4-Dinitrophenol	14.763	184	6724	4.376	ng/u1	86
55) 4-Nitrophenol	14.851	109	6564	3.275	ng/u1	91
56) Dibenzofuran	15.027	168	50492	3.818	ng/u1	97
57) 2,4-Dinitrotoluene	14.998	165	10883	3.620	ng/u1#	97
58) 2,3,4,6-Tetrachlorophenol	15.257	232	10657	3.612	ng/u1	97
59) Diethylphthalate	15.445	149	41887	3.744	ng/u1	97
61) Fluorene	15.674	166	40764	3.591	ng/u1	96
62) 4-Chlorophenyl-phenyle...	15.668	204	22545	3.773	ng/u1	95
63) 4-Nitroaniline	15.704	138	6143m	3.393	ng/u1	
66) 4,6-Dinitro-2-methylph...	15.762	198	9195	4.152	ng/u1	98
67) N-Nitrosodiphenylamine	15.880	169	33261	3.658	ng/u1	97
68) 4-Bromophenyl-phenylether	16.562	248	12984	3.843	ng/u1	93
69) Hexachlorobenzene	16.674	284	14870	3.816	ng/u1	93
70) Atrazine	16.827	200	14208	3.780	ng/u1#	96
71) Pentachlorophenol	17.027	266	9157	3.561	ng/u1	97
72) Phenanthrene	17.415	178	63992	3.678	ng/u1	97
74) Anthracene	17.504	178	65340	3.652	ng/u1	99
75) 1,2,3,4-Tetrachloroben...	13.433	216	18130	3.767	ng/uL	97
76) Pentachlorobenzene	14.945	250	15956	3.440	ng/uL	97
77) Carbazole	17.780	167	52619	3.207	ng/u1	97
78) Di-n-butylphthalate	18.327	149	69636	3.553	ng/u1	99
80) Fluoranthene	19.427	202	77471	3.692	ng/u1	98
82) Pyrene	19.786	202	86489	3.782	ng/u1	98
83) Butylbenzylphthalate	20.674	149	32469	3.702	ng/u1	94
84) 3,3'-Dichlorobenzidine	21.462	252	23695	3.408	ng/u1	97
85) Benzo(a)anthracene	21.533	228	88018	3.709	ng/u1	97
86) Bis(2-ethylhexyl)phtha...	21.439	149	48284	3.567	ng/u1	99
87) Chrysene	21.586	228	89253	3.915	ng/u1	97
89) Di-n-octyl phthalate	22.374	149	87106	3.013	ng/u1	100
90) Benzo(b)fluoranthene	23.233	252	94689	3.704	ng/u1	99
91) Benzo(k)fluoranthene	23.280	252	91504	3.564	ng/u1	98
93) Benzo(a)pyrene	23.868	252	88921	3.843	ng/u1	99
94) Indeno(1,2,3-cd)pyrene	26.515	276	109804	3.734	ng/u1	98
95) Dibenzo(a,h)anthracene	26.526	278	90084	3.671	ng/u1	99
96) Benzo(g,h,i)perylene	27.303	276	94261	3.915	ng/u1	98

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

