

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM010523\
 Data File : BM038376.D
 Acq On : 05 Jan 2023 12:59
 Operator : CG/JU
 Sample : N5388-05
 Misc : SFAM-MDL-MES-01-4PPM
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Jan 05 14:04:19 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	58169	20.000	ng/u1	0.00
20) Naphthalene-d8	10.816	136	225905	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.633	164	144239	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.374	188	335929	20.000	ng/u1	0.00
79) Chrysene-d12	21.545	240	369052	20.000	ng/u1	0.00
88) Perylene-d12	23.974	264	470152	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.364	96	8023	4.473	ng/uL	0.00
4) Pyridine-d5	3.805	84	67318	12.972	ng/u1	0.00
7) Phenol-d5	7.157	99	104600	19.739	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.328	67	77299	20.278	ng/u1	0.00
11) 2-Chlorophenol-d4	7.528	132	76016	20.021	ng/u1	0.00
15) 4-Methylphenol-d8	8.710	113	71602	17.505	ng/u1	0.00
21) Nitrobenzene-d5	9.175	128	31399	17.716	ng/u1	0.00
24) 2-Nitrophenol-d4	9.898	143	36152	17.985	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.434	165	68952	17.763	ng/u1	0.00
31) 4-Chloroaniline-d4	10.957	131	86431	16.136	ng/u1	0.00
46) Dimethylphthalate-d6	14.039	166	200098	18.318	ng/u1	0.00
49) Acenaphthylene-d8	14.327	160	225850	17.742	ng/u1	0.00
54) 4-Nitrophenol-d4	14.839	143	30434	15.476	ng/u1	0.00
60) Fluorene-d10	15.622	176	178556	17.974	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.745	200	36588	15.028	ng/u1	0.00
73) Anthracene-d10	17.474	188	290469	17.925	ng/u1	0.00
81) Pyrene-d10	19.757	212	360222	17.541	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.815	264	418015	17.901	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.405	88	2174m	1.135	ng/uL	
5) Pyridine	3.822	79	20875	3.808	ng/u1#	62
6) Benzaldehyde	7.146	77	14223	6.529	ng/u1	97
8) Phenol	7.193	94	24242	4.336	ng/u1	93
10) Bis(2-Chloroethyl)ether	7.422	93	19875	4.440	ng/u1	95
12) 2-Chlorophenol	7.563	128	17111	4.364	ng/u1	98
13) 2-Methylphenol	8.451	108	14336	3.590	ng/u1	90
14) 2,2'-oxybis(1-Chloropr...	8.534	45	27922	3.933	ng/u1	97
16) Acetophenone	8.834	105	26608	3.676	ng/u1	93
17) N-Nitroso-di-n-propyla...	8.810	70	15373	3.942	ng/u1	93
18) 4-Methylphenol	8.775	108	15741	3.623	ng/u1	87
19) Hexachloroethane	9.081	117	7813	4.279	ng/u1	89
22) Nitrobenzene	9.216	77	23668	4.049	ng/u1	98
23) Isophorone	9.740	82	38269	3.819	ng/u1	95
25) 2-Nitrophenol	9.928	139	8284	3.957	ng/u1#	94
26) 2,4-Dimethylphenol	9.987	107	18495	3.779	ng/u1	98
27) Bis(2-Chloroethoxy)met...	10.222	93	22600	3.941	ng/u1	97
29) 2,4-Dichlorophenol	10.463	162	14302	3.789	ng/u1	92
30) Naphthalene	10.863	128	48641	4.037	ng/u1	98
32) 4-Chloroaniline	10.981	127	20523	3.760	ng/u1	96
33) Hexachlorobutadiene	11.139	225	11739	4.177	ng/u1#	89
34) Caprolactam	11.781	113	3948m	3.665	ng/u1	
35) 4-Chloro-3-methylphenol	12.098	107	13637	3.395	ng/u1	92
36) 2-Methylnaphthalene	12.469	142	30469	3.879	ng/u1	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.686	142	27522	3.387	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.833	216	19732	3.869	ng/ul#	95
40) Hexachlorocyclopentadiene	12.804	237	15718	4.364	ng/ul	88
41) 2,4,6-Trichlorophenol	13.075	196	11616	3.670	ng/ul	93
42) 2,4,5-Trichlorophenol	13.151	196	11720m	3.455	ng/ul	
43) 1,1'-Biphenyl	13.469	154	40737	3.736	ng/ul	98
44) 2-Chloronaphthalene	13.516	162	33428	3.755	ng/ul	97
45) 2-Nitroaniline	13.728	65	10064	3.379	ng/ul	95
47) Dimethylphthalate	14.086	163	43029	3.882	ng/ul	97
48) 2,6-Dinitrotoluene	14.216	165	7396	3.504	ng/ul#	93
50) Acenaphthylene	14.357	152	53464	3.959	ng/ul	99
51) 3-Nitroaniline	14.551	138	6857	3.528	ng/ul	86
52) Acenaphthene	14.698	153	37365	3.910	ng/ul	96
53) 2,4-Dinitrophenol	14.757	184	7191	4.557	ng/ul	93
55) 4-Nitrophenol	14.851	109	7081	3.440	ng/ul	90
56) Dibenzofuran	15.033	168	52145	3.839	ng/ul	99
57) 2,4-Dinitrotoluene	15.004	165	10785	3.493	ng/ul#	91
58) 2,3,4,6-Tetrachlorophenol	15.257	232	11047	3.646	ng/ul#	94
59) Diethylphthalate	15.445	149	43844	3.816	ng/ul	98
61) Fluorene	15.674	166	43150	3.701	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.669	204	23281	3.794	ng/ul	98
63) 4-Nitroaniline	15.710	138	7555m	4.062	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.763	198	9574	4.104	ng/ul#	93
67) N-Nitrosodiphenylamine	15.886	169	35976	3.756	ng/ul	96
68) 4-Bromophenyl-phenylether	16.563	248	13195	3.708	ng/ul	94
69) Hexachlorobenzene	16.674	284	15452	3.764	ng/ul	97
70) Atrazine	16.827	200	15017	3.793	ng/ul	99
71) Pentachlorophenol	17.027	266	9674	3.571	ng/ul	94
72) Phenanthrene	17.416	178	67898	3.704	ng/ul	97
74) Anthracene	17.510	178	71526	3.795	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.433	216	17843	3.519	ng/uL	89
76) Pentachlorobenzene	14.945	250	16654	3.409	ng/uL	95
77) Carbazole	17.780	167	56744	3.283	ng/ul	99
78) Di-n-butylphthalate	18.327	149	72460	3.509	ng/ul	99
80) Fluoranthene	19.427	202	82470	3.551	ng/ul	98
82) Pyrene	19.786	202	93769	3.705	ng/ul	99
83) Butylbenzylphthalate	20.668	149	33031	3.403	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.462	252	27788	3.611	ng/ul	95
85) Benzo(a)anthracene	21.527	228	99834	3.801	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.439	149	51701	3.450	ng/ul	97
87) Chrysene	21.580	228	95613	3.789	ng/ul	99
89) Di-n-octyl phthalate	22.368	149	99042	2.945	ng/ul	100
90) Benzo(b)fluoranthene	23.227	252	103912	3.493	ng/ul	99
91) Benzo(k)fluoranthene	23.280	252	103538	3.466	ng/ul	99
93) Benzo(a)pyrene	23.862	252	103314	3.838	ng/ul	96
94) Indeno(1,2,3-cd)pyrene	26.509	276	130211	3.806	ng/ul	98
95) Dibenzo(a,h)anthracene	26.527	278	109612	3.839	ng/ul	95
96) Benzo(g,h,i)perylene	27.297	276	109344	3.903	ng/ul	98

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

