

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM030223\
 Data File : BM038832.D
 Acq On : 02 Mar 2023 11:07
 Operator : CG/JU
 Sample : 01378-04
 Misc : SFAM-MDL-SOIL-02
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-QT1-2023-02

Quant Time: Mar 02 12:27:28 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM022823.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Mar 01 02:09:21 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/03/2023
 Supervised By :Jagrut Upadhyay 03/03/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.010	152	216551	20.000	ng/u1	0.00
20) Naphthalene-d8	10.827	136	971050	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.645	164	605251	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.386	188	1319879	20.000	ng/u1	0.00
79) Chrysene-d12	21.562	240	1339878	20.000	ng/u1	0.00
88) Perylene-d12	24.021	264	1558726	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.381	96	27377	4.721	ng/uL	0.00
4) Pyridine-d5	3.804	84	239906	15.046	ng/u1	0.00
7) Phenol-d5	7.157	99	368150	18.133	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.334	67	243578	18.777	ng/u1	0.00
11) 2-Chlorophenol-d4	7.534	132	287851	19.027	ng/u1	0.00
15) 4-Methylphenol-d8	8.710	113	280682	17.549	ng/u1	0.00
21) Nitrobenzene-d5	9.175	128	131249	19.253	ng/u1	0.00
24) 2-Nitrophenol-d4	9.904	143	120050	18.794	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.439	165	267515	18.023	ng/u1	0.00
31) 4-Chloroaniline-d4	10.957	131	420172	16.983	ng/u1	0.00
46) Dimethylphthalate-d6	14.057	166	874910	18.663	ng/u1	0.00
49) Acenaphthylene-d8	14.339	160	1001820	18.284	ng/u1	0.00
54) 4-Nitrophenol-d4	14.821	143	144265	15.373	ng/u1	0.00
60) Fluorene-d10	15.633	176	775016	18.746	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.739	200	89676	13.069	ng/u1	0.00
73) Anthracene-d10	17.486	188	1148375	17.645	ng/u1	0.00
81) Pyrene-d10	19.774	212	1428940	19.390	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.862	264	1488186	18.946	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.416	88	7847	1.259	ng/uL	97
5) Pyridine	3.828	79	65994	3.845	ng/u1#	81
6) Benzaldehyde	7.139	77	47776	4.859	ng/u1	96
8) Phenol	7.181	94	97903	4.506	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.428	93	78539	4.540	ng/u1	99
12) 2-Chlorophenol	7.569	128	71246	4.573	ng/u1	95
13) 2-Methylphenol	8.451	108	66598	4.100	ng/u1	97
14) 2,2'-oxybis(1-Chloropr...	8.545	45	98724	4.546	ng/u1	98
16) Acetophenone	8.833	105	129005	4.641	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.822	70	59077	4.627	ng/u1	98
18) 4-Methylphenol	8.775	108	79706	4.419	ng/u1	97
19) Hexachloroethane	9.098	117	27178	4.354	ng/u1	96
22) Nitrobenzene	9.216	77	87195	4.675	ng/u1	98
23) Isophorone	9.745	82	165723	4.369	ng/u1	99
25) 2-Nitrophenol	9.933	139	34961	4.615	ng/u1	93
26) 2,4-Dimethylphenol	9.992	107	74338	3.994	ng/u1	98
27) Bis(2-Chloroethoxy)met...	10.233	93	108691	4.669	ng/u1	100
29) 2,4-Dichlorophenol	10.463	162	71464	4.749	ng/u1	98
30) Naphthalene	10.874	128	265460	4.791	ng/u1	99
32) 4-Chloroaniline	10.980	127	111280	4.442	ng/u1	100
33) Hexachlorobutadiene	11.169	225	45601	4.871	ng/u1	95
34) Caprolactam	11.739	113	22062m	4.276	ng/u1	
35) 4-Chloro-3-methylphenol	12.092	107	71152	4.183	ng/u1	98
36) 2-Methylnaphthalene	12.480	142	172808	4.778	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.698	142	138543	3.802	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.845	216	91172	5.036	ng/ul	99
40) Hexachlorocyclopentadiene	12.827	237	49782	5.097	ng/ul	95
41) 2,4,6-Trichlorophenol	13.080	196	49749	4.356	ng/ul	98
42) 2,4,5-Trichlorophenol	13.145	196	54080	4.303	ng/ul	98
43) 1,1'-Biphenyl	13.486	154	237723	4.980	ng/ul	99
44) 2-Chloronaphthalene	13.527	162	182864	4.856	ng/ul	99
45) 2-Nitroaniline	13.721	65	32522	3.827	ng/ul	92
47) Dimethylphthalate	14.104	163	229014	4.821	ng/ul	99
48) 2,6-Dinitrotoluene	14.215	165	26111	3.473	ng/ul	90
50) Acenaphthylene	14.368	152	296963	4.887	ng/ul	99
51) 3-Nitroaniline	14.539	138	32270	3.420	ng/ul#	98
52) Acenaphthene	14.710	153	205417	4.911	ng/ul	99
53) 2,4-Dinitrophenol	14.739	184	21360	4.998	ng/ul	92
55) 4-Nitrophenol	14.833	109	33692m	4.495	ng/ul	
56) Dibenzofuran	15.045	168	288846	4.974	ng/ul	97
57) 2,4-Dinitrotoluene	14.998	165	43837	3.772	ng/ul	99
58) 2,3,4,6-Tetrachlorophenol	15.262	232	47019	4.297	ng/ul#	99
59) Diethylphthalate	15.462	149	214932	4.572	ng/ul	99
61) Fluorene	15.692	166	238482	4.898	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.686	204	114753	4.882	ng/ul	96
63) 4-Nitroaniline	15.698	138	37472m	3.840	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.751	198	27179	3.827	ng/ul#	76
67) N-Nitrosodiphenylamine	15.898	169	186480	4.671	ng/ul	99
68) 4-Bromophenyl-phenylether	16.580	248	62905	4.630	ng/ul	99
69) Hexachlorobenzene	16.692	284	81173	4.933	ng/ul	99
70) Atrazine	16.845	200	52136	3.861	ng/ul	98
71) Pentachlorophenol	17.033	266	38793	3.877	ng/ul	98
72) Phenanthrene	17.427	178	379442	4.976	ng/ul	99
74) Anthracene	17.521	178	359403	4.629	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.451	216	71222	3.829	ng/uL	98
76) Pentachlorobenzene	14.962	250	69055	3.613	ng/uL	98
77) Carbazole	17.786	167	321696	4.462	ng/ul	99
78) Di-n-butylphthalate	18.362	149	301554	4.111	ng/ul	100
80) Fluoranthene	19.439	202	409261	4.829	ng/ul	99
82) Pyrene	19.803	202	476746	5.130	ng/ul	98
83) Butylbenzylphthalate	20.703	149	98170	3.975	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.480	252	97347	3.708	ng/ul	99
85) Benzo(a)anthracene	21.550	228	438582	4.737	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.486	149	164804	4.014	ng/ul	98
87) Chrysene	21.603	228	448616	4.955	ng/ul	100
89) Di-n-octyl phthalate	22.438	149	247421	3.157	ng/ul	100
90) Benzo(b)fluoranthene	23.268	252	452881	4.679	ng/ul	99
91) Benzo(k)fluoranthene	23.315	252	474237	4.770	ng/ul	99
93) Benzo(a)pyrene	23.909	252	431981	4.818	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.579	276	550724	4.647	ng/ul	99
95) Dibenzo(a,h)anthracene	26.603	278	464478	4.646	ng/ul	99
96) Benzo(g,h,i)perylene	27.362	276	460932	4.750	ng/ul	98

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

