

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101623\
 Data File : BM042298.D
 Acq On : 16 Oct 2023 14:41
 Operator : MA/JU
 Sample : 03573-03
 Misc : SFAM-MDL-SOIL-01
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-QT3-2023-05

Quant Time: Oct 16 16:32:40 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM101223.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 12 15:38:21 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/17/2023
 Supervised By :mohammad ahmed 10/18/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.016	152	126495	20.000	ng/u1	0.00
20) Naphthalene-d8	10.839	136	573250	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.657	164	349852	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.409	188	740529	20.000	ng/u1	0.00
79) Chrysene-d12	21.592	240	683737	20.000	ng/u1	0.00
88) Perylene-d12	24.068	264	722679	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.369	96	27506	6.794	ng/uL	0.00
4) Pyridine-d5	3.804	84	370007	30.860	ng/u1	0.00
7) Phenol-d5	7.163	99	398667	28.438	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.357	67	278241	29.374	ng/u1	0.00
11) 2-Chlorophenol-d4	7.540	132	273473	28.357	ng/u1	0.01
15) 4-Methylphenol-d8	8.722	113	305221	27.492	ng/u1	0.00
21) Nitrobenzene-d5	9.216	128	141221	29.007	ng/u1	0.00
24) 2-Nitrophenol-d4	9.928	143	149429	28.712	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.451	165	261941	27.580	ng/u1	0.00
31) 4-Chloroaniline-d4	10.998	131	405709	27.131	ng/u1	0.00
46) Dimethylphthalate-d6	14.074	166	854121	28.163	ng/u1	0.00
49) Acenaphthylene-d8	14.357	160	979111	29.498	ng/u1	0.00
54) 4-Nitrophenol-d4	14.868	143	163051	26.730	ng/u1	0.00
60) Fluorene-d10	15.651	176	730394	29.297	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.774	200	119614	23.058	ng/u1	0.00
73) Anthracene-d10	17.509	188	1108544	29.223	ng/u1	0.00
81) Pyrene-d10	19.803	212	1275032	30.597	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.909	264	1216646	30.671	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.410	88	5260	1.185	ng/uL	97
5) Pyridine	3.828	79	58981	4.752	ng/u1#	70
6) Benzaldehyde	7.175	77	47567	6.637	ng/u1	97
8) Phenol	7.187	94	63304	4.471	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.451	93	56783	4.830	ng/u1	97
12) 2-Chlorophenol	7.569	128	45429	4.510	ng/u1	93
13) 2-Methylphenol	8.457	108	42262	4.000	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.528	45	97105m	4.844	ng/u1	
16) Acetophenone	8.863	105	79062	4.587	ng/u1	95
17) N-Nitroso-di-n-propyla...	8.834	70	44821	4.394	ng/u1	99
18) 4-Methylphenol	8.786	108	49399	4.242	ng/u1	97
19) Hexachloroethane	9.086	117	19433	4.573	ng/u1	99
22) Nitrobenzene	9.257	77	66394	4.822	ng/u1	99
23) Isophorone	9.769	82	114985	4.307	ng/u1	99
25) 2-Nitrophenol	9.957	139	26078	4.579	ng/u1	98
26) 2,4-Dimethylphenol	9.992	107	52328	4.323	ng/u1	96
27) Bis(2-Chloroethoxy)met...	10.251	93	78646	4.711	ng/u1	99
29) 2,4-Dichlorophenol	10.475	162	41239	4.446	ng/u1	95
30) Naphthalene	10.892	128	159627	4.750	ng/u1	99
32) 4-Chloroaniline	11.022	127	67744	4.687	ng/u1	99
33) Hexachlorobutadiene	11.116	225	25655	4.791	ng/u1	98
34) Caprolactam	11.851	113	21153	6.245	ng/u1	97
35) 4-Chloro-3-methylphenol	12.116	107	46763	4.093	ng/u1	95
36) 2-Methylnaphthalene	12.492	142	104785	4.556	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.710	142	108038	4.647	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.839	216	49772	4.518	ng/ul	94
40) Hexachlorocyclopentadiene	12.786	237	41213	5.781	ng/ul	94
41) 2,4,6-Trichlorophenol	13.092	196	29223	3.968	ng/ul	95
42) 2,4,5-Trichlorophenol	13.163	196	31920	4.037	ng/ul	99
43) 1,1'-Biphenyl	13.498	154	139802	4.662	ng/ul	97
44) 2-Chloronaphthalene	13.545	162	106645	4.640	ng/ul	99
45) 2-Nitroaniline	13.780	65	31137	3.768	ng/ul	98
47) Dimethylphthalate	14.116	163	138413	4.586	ng/ul	99
48) 2,6-Dinitrotoluene	14.263	165	19638	3.595	ng/ul	95
50) Acenaphthylene	14.386	152	181099	4.724	ng/ul	99
51) 3-Nitroaniline	14.604	138	22394	3.478	ng/ul#	84
52) Acenaphthene	14.721	153	119622	4.645	ng/ul	99
53) 2,4-Dinitrophenol	14.804	184	28559	7.723	ng/ul	99
55) 4-Nitrophenol	14.886	109	21623	4.370	ng/ul	99
56) Dibenzofuran	15.057	168	162747	4.705	ng/ul	100
57) 2,4-Dinitrotoluene	15.045	165	31070	3.857	ng/ul#	83
58) 2,3,4,6-Tetrachlorophenol	15.274	232	26118	3.936	ng/ul	97
59) Diethylphthalate	15.468	149	136177	4.421	ng/ul	100
61) Fluorene	15.704	166	134628	4.692	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.692	204	62973	4.546	ng/ul	96
63) 4-Nitroaniline	15.762	138	26159	4.542	ng/ul#	75
66) 4,6-Dinitro-2-methylph...	15.792	198	22207	4.093	ng/ul#	85
67) N-Nitrosodiphenylamine	15.915	169	104489	4.435	ng/ul	98
68) 4-Bromophenyl-phenylether	16.592	248	32917	4.133	ng/ul	97
69) Hexachlorobenzene	16.674	284	39061	4.313	ng/ul	99
70) Atrazine	16.862	200	30787	3.808	ng/ul	97
71) Pentachlorophenol	17.039	266	36145	5.890	ng/ul	99
72) Phenanthrene	17.451	178	207068	4.558	ng/ul	99
74) Anthracene	17.545	178	211023	4.619	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.451	216	48419	4.413	ng/uL	96
76) Pentachlorobenzene	14.951	250	51058	4.739	ng/uL	96
77) Carbazole	17.827	167	178245	4.283	ng/ul	100
78) Di-n-butylphthalate	18.351	149	211733	4.019	ng/ul	99
80) Fluoranthene	19.462	202	217232	4.402	ng/ul	97
82) Pyrene	19.827	202	246819	4.757	ng/ul#	92
83) Butylbenzylphthalate	20.709	149	84445	3.818	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.515	252	62492	3.826	ng/ul	98
85) Benzo(a)anthracene	21.574	228	224119	4.321	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.456	149	127132	3.891	ng/ul	100
87) Chrysene	21.627	228	211096	4.426	ng/ul	99
89) Di-n-octyl phthalate	22.403	149	212421	3.639	ng/ul	100
90) Benzo(b)fluoranthene	23.297	252	212471	4.327	ng/ul	97
91) Benzo(k)fluoranthene	23.350	252	206459m	4.251	ng/ul	
93) Benzo(a)pyrene	23.956	252	197027	4.287	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	26.662	276	220084	3.943	ng/ul	96
95) Dibenzo(a,h)anthracene	26.679	278	181970	3.930	ng/ul	99
96) Benzo(g,h,i)perylene	27.474	276	175657	4.023	ng/ul	99

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

