

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM011224\
 Data File : BM043827.D
 Acq On : 12 Jan 2024 13:55
 Operator : MA/JU
 Sample : 04696-05
 Misc : SFAM-MDL-ME-SOIL-01
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-MED-SOIL-QT4-2023-07

Quant Time: Jan 13 00:47:55 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM010924.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jan 10 01:07:47 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 01/15/2024
 Supervised By :mohammad ahmed 01/16/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.945	152	244152	20.000	ng/u1	0.00
20) Naphthalene-d8	10.757	136	1114250	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.586	164	734062	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.339	188	1558594	20.000	ng/u1	0.00
79) Chrysene-d12	21.527	240	1379677	20.000	ng/u1	0.00
88) Perylene-d12	23.950	264	1479345	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.351	96	35121	5.554	ng/uL	0.00
4) Pyridine-d5	3.781	84	494334	25.378	ng/u1	0.00
7) Phenol-d5	7.116	99	568365	23.003	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.287	67	376625	24.460	ng/u1	0.00
11) 2-Chlorophenol-d4	7.475	132	437777	24.356	ng/u1	0.00
15) 4-Methylphenol-d8	8.663	113	453883	23.061	ng/u1	-0.01
21) Nitrobenzene-d5	9.122	128	227037	24.313	ng/u1	0.00
24) 2-Nitrophenol-d4	9.845	143	248937	23.674	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.380	165	430598	22.867	ng/u1	0.00
31) 4-Chloroaniline-d4	10.910	131	647384	21.707	ng/u1	0.00
46) Dimethylphthalate-d6	14.010	166	1456078	23.681	ng/u1	0.00
49) Acenaphthylene-d8	14.286	160	1707496	24.380	ng/u1	0.00
54) 4-Nitrophenol-d4	14.815	143	243613	20.257	ng/u1	-0.01
60) Fluorene-d10	15.580	176	1283707	24.809	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.721	200	202678	18.418	ng/u1	0.00
73) Anthracene-d10	17.439	188	1891120	23.843	ng/u1	0.00
81) Pyrene-d10	19.733	212	2113300	24.799	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.797	264	2007452	24.583	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.387	88	8003	1.206	ng/uL#	92
5) Pyridine	3.798	79	76523	3.829	ng/u1#	35
6) Benzaldehyde	7.098	77	65159m	6.681	ng/u1	
8) Phenol	7.139	94	92376	3.722	ng/u1	94
10) Bis(2-Chloroethyl)ether	7.381	93	80642	4.030	ng/u1	98
12) 2-Chlorophenol	7.504	128	74207	3.978	ng/u1	99
13) 2-Methylphenol	8.398	108	66432	3.475	ng/u1	96
14) 2,2'-oxybis(1-Chloropr...	8.475	45	140516	4.165	ng/u1	98
16) Acetophenone	8.786	105	116032	3.802	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.769	70	66586	3.947	ng/u1	99
18) 4-Methylphenol	8.728	108	76130	3.666	ng/u1	98
19) Hexachloroethane	9.010	117	33028	4.085	ng/u1	91
22) Nitrobenzene	9.163	77	93501	4.016	ng/u1	100
23) Isophorone	9.692	82	175185	3.668	ng/u1	99
25) 2-Nitrophenol	9.875	139	43925	3.952	ng/u1	97
26) 2,4-Dimethylphenol	9.933	107	80752	3.746	ng/u1	97
27) Bis(2-Chloroethoxy)met...	10.180	93	110184	3.890	ng/u1	100
29) 2,4-Dichlorophenol	10.410	162	69807	3.739	ng/u1	92
30) Naphthalene	10.804	128	261362	4.031	ng/u1	98
32) 4-Chloroaniline	10.933	127	107361	3.704	ng/u1	97
33) Hexachlorobutadiene	11.069	225	41366	3.960	ng/u1	99
34) Caprolactam	11.757	113	40801m	6.070	ng/u1	
35) 4-Chloro-3-methylphenol	12.063	107	72715	3.515	ng/u1	99
36) 2-Methylnaphthalene	12.421	142	174973	3.872	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.633	142	180699	4.010	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.780	216	80749	3.699	ng/ul	98
40) Hexachlorocyclopentadiene	12.739	237	61447	4.209	ng/ul	99
41) 2,4,6-Trichlorophenol	13.033	196	51025	3.292	ng/ul	98
42) 2,4,5-Trichlorophenol	13.110	196	55192	3.353	ng/ul	99
43) 1,1'-Biphenyl	13.427	154	237689	3.792	ng/ul	99
44) 2-Chloronaphthalene	13.468	162	182745	3.784	ng/ul	97
45) 2-Nitroaniline	13.692	65	49716	3.261	ng/ul	94
47) Dimethylphthalate	14.057	163	237045	3.835	ng/ul	100
48) 2,6-Dinitrotoluene	14.192	165	37648	3.073	ng/ul	92
50) Acenaphthylene	14.315	152	316931	3.875	ng/ul	99
51) 3-Nitroaniline	14.527	138	40207	3.104	ng/ul#	94
52) Acenaphthene	14.651	153	210504	3.881	ng/ul	99
53) 2,4-Dinitrophenol	14.739	184	45554	5.985	ng/ul	98
55) 4-Nitrophenol	14.833	109	32084	3.497	ng/ul	91
56) Dibenzofuran	14.992	168	282524	3.877	ng/ul	99
57) 2,4-Dinitrotoluene	14.980	165	60109	3.331	ng/ul#	84
58) 2,3,4,6-Tetrachlorophenol	15.221	232	47018	3.429	ng/ul	96
59) Diethylphthalate	15.415	149	237599	3.606	ng/ul	99
61) Fluorene	15.639	166	237398	3.800	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.633	204	109208	3.735	ng/ul	100
63) 4-Nitroaniline	15.686	138	38237	3.674	ng/ul	99
66) 4,6-Dinitro-2-methylph...	15.739	198	43951	3.710	ng/ul#	82
67) N-Nitrosodiphenylamine	15.851	169	190078	3.706	ng/ul	99
68) 4-Bromophenyl-phenylether	16.533	248	61880	3.549	ng/ul	98
69) Hexachlorobenzene	16.633	284	76757	3.731	ng/ul	97
70) Atrazine	16.815	200	62742	3.382	ng/ul	94
71) Pentachlorophenol	16.992	266	62165	4.806	ng/ul	96
72) Phenanthrene	17.386	178	365458	3.818	ng/ul	99
74) Anthracene	17.474	178	355147	3.646	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.386	216	79867	3.655	ng/uL	97
76) Pentachlorobenzene	14.904	250	89237	4.003	ng/uL	98
77) Carbazole	17.762	167	306821	3.398	ng/ul	100
78) Di-n-butylphthalate	18.315	149	382363	3.118	ng/ul	100
80) Fluoranthene	19.403	202	388702	3.728	ng/ul	98
82) Pyrene	19.762	202	422456	3.910	ng/ul	97
83) Butylbenzylphthalate	20.668	149	161264	3.156	ng/ul	94
84) 3,3'-Dichlorobenzidine	21.456	252	111330	3.352	ng/ul	97
85) Benzo(a)anthracene	21.515	228	394779	3.747	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.444	149	243792	2.996	ng/ul	97
87) Chrysene	21.568	228	361710	3.804	ng/ul	98
89) Di-n-octyl phthalate	22.386	149	397191	2.884	ng/ul	100
90) Benzo(b)fluoranthene	23.215	252	369734	3.566	ng/ul	98
91) Benzo(k)fluoranthene	23.262	252	367811	3.601	ng/ul	99
93) Benzo(a)pyrene	23.844	252	353992	3.730	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.473	276	402212	3.713	ng/ul	99
95) Dibenzo(a,h)anthracene	26.497	278	329237	3.668	ng/ul	99
96) Benzo(g,h,i)perylene	27.250	276	312481	3.799	ng/ul	97

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

