Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM011224\
Data File : BM043826.D
Acq On : 12 Jan 2024 13:17
Operator : MA/JU
Sample : 04696-03
Misc : SFAM-MDL-SOIL-01
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 13 00:46:12 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

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

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	7.946	152	253817	20.000	ng/ul	0.00
20) Naphthalene-d8	10.751	136	1143575	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.586	164	756572	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.345	188	1629957	20.000	ng/ul	0.00
79) Chrysene-d12	21.533	240	1483539	20.000	ng/ul	0.00
88) Perylene-d12	23.950	264	1610248	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.352	96	35951	5.469	ng/uL	0.00
4) Pyridine-d5	3.775	84	518251	25.593	ng/ul	0.00
7) Phenol-d5	7.116	99	588786	22.922	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.287	67	392954	24.549	ng/ul	0.00
11) 2-Chlorophenol-d4	7.475	132	450088	24.087	ng/ul	0.00
15) 4-Methylphenol-d8	8.663	113	461451	22.553	ng/ul	-0.01
21) Nitrobenzene-d5	9.122	128	234137	24.430	ng/ul	0.00
24) 2-Nitrophenol-d4	9.845	143	255493	23.674	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.381	165	444554	23.002	ng/ul	0.00
31) 4-Chloroaniline-d4	10.910	131	664058	21.695	ng/ul	0.00
46) Dimethylphthalate-d6	14.010	166	1503212	23.720	ng/ul	0.00
49) Acenaphthylene-d8	14.286	160	1771289	24.539	ng/ul	0.00
54) 4-Nitrophenol-d4	14.822	143	258305	20.839	ng/ul	0.00
60) Fluorene-d10	15.586	176	1327709	24.896	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.721	200	209769	18.228	ng/ul	0.00
73) Anthracene-d10	17.445	188	1979005	23.858	ng/ul	0.00
81) Pyrene-d10	19.733	212	2259568	24.660	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.797	264	2182035	24.548	ng/ul	0.00
Target Compounds						Qvalue
5) Pyridine	3.799	79	83790	4.033	ng/ul#	43
6) Benzaldehyde	7.098	77	66853m	6.594	ng/ul	
8) Phenol	7.140	94	96127	3.726	ng/ul	95
10) Bis(2-Chloroethyl)ether	7.381	93	83752	4.026	ng/ul	99
12) 2-Chlorophenol	7.504	128	76751	3.957	ng/ul	98
13) 2-Methylphenol	8.398	108	68176	3.431	ng/ul	99
14) 2,2'-oxybis(1-Chloropr...	8.475	45	145625	4.152	ng/ul	98
16) Acetophenone	8.787	105	119700	3.773	ng/ul	99
17) N-Nitroso-di-n-propyla...	8.763	70	68047	3.880	ng/ul	95
18) 4-Methylphenol	8.728	108	78884	3.654	ng/ul	95
19) Hexachloroethane	9.016	117	34133	4.061	ng/ul	97
22) Nitrobenzene	9.163	77	96715	4.047	ng/ul	100
23) Isophorone	9.692	82	179905	3.670	ng/ul	98
25) 2-Nitrophenol	9.875	139	44649	3.914	ng/ul	96
26) 2,4-Dimethylphenol	9.934	107	81664	3.691	ng/ul	99
27) Bis(2-Chloroethoxy)met...	10.181	93	112886	3.883	ng/ul	97
29) 2,4-Dichlorophenol	10.410	162	71826	3.749	ng/ul	92
30) Naphthalene	10.804	128	268531	4.036	ng/ul	99
32) 4-Chloroaniline	10.934	127	110373	3.711	ng/ul	98
33) Hexachlorobutadiene	11.069	225	43608	4.067	ng/ul	98
34) Caprolactam	11.763	113	23036m	3.339	ng/ul	
35) 4-Chloro-3-methylphenol	12.063	107	75190	3.542	ng/ul	97
36) 2-Methylnaphthalene	12.416	142	182529	3.935	ng/ul	99
37) 1-Methylnaphthalene	12.639	142	190073	4.110	ng/ul	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) 1,2,4,5-Tetrachloroben...	12.780	216	82614	3.672	ng/ul	97
40) Hexachlorocyclopentadiene	12.739	237	65154	4.330	ng/ul	98
41) 2,4,6-Trichlorophenol	13.033	196	51962	3.253	ng/ul	96
42) 2,4,5-Trichlorophenol	13.110	196	56297	3.319	ng/ul	98
43) 1,1'-Biphenyl	13.428	154	244815	3.790	ng/ul	98
44) 2-Chloronaphthalene	13.469	162	189109	3.799	ng/ul	99
45) 2-Nitroaniline	13.692	65	52893	3.367	ng/ul	88
47) Dimethylphthalate	14.057	163	242221	3.802	ng/ul	100
48) 2,6-Dinitrotoluene	14.192	165	39360	3.118	ng/ul	92
50) Acenaphthylene	14.316	152	327526	3.885	ng/ul	100
51) 3-Nitroaniline	14.527	138	41520	3.110	ng/ul	91
52) Acenaphthene	14.651	153	217050	3.883	ng/ul	99
53) 2,4-Dinitrophenol	14.739	184	47218	6.019	ng/ul	97
55) 4-Nitrophenol	14.833	109	33595	3.552	ng/ul	91
56) Dibenzofuran	14.992	168	291594	3.882	ng/ul	98
57) 2,4-Dinitrotoluene	14.980	165	61801	3.323	ng/ul#	85
58) 2,3,4,6-Tetrachlorophenol	15.222	232	46912	3.319	ng/ul	97
59) Diethylphthalate	15.421	149	248587	3.660	ng/ul	99
61) Fluorene	15.639	166	249223	3.871	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.639	204	112510	3.733	ng/ul	98
63) 4-Nitroaniline	15.692	138	40760	3.800	ng/ul	98
66) 4,6-Dinitro-2-methylph...	15.739	198	45388	3.664	ng/ul#	81
67) N-Nitrosodiphenylamine	15.857	169	192937	3.597	ng/ul	99
68) 4-Bromophenyl-phenylether	16.533	248	64027	3.511	ng/ul	98
69) Hexachlorobenzene	16.633	284	77778	3.615	ng/ul	97
70) Atrazine	16.816	200	59661	3.075	ng/ul	98
71) Pentachlorophenol	16.992	266	66517	4.918	ng/ul	97
72) Phenanthrene	17.386	178	386802	3.864	ng/ul	99
74) Anthracene	17.474	178	378496	3.716	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.386	216	81176	3.553	ng/uL	99
76) Pentachlorobenzene	14.904	250	92915	3.985	ng/uL	99
77) Carbazole	17.762	167	322433	3.414	ng/ul	100
78) Di-n-butylphthalate	18.315	149	401706	3.133	ng/ul	99
80) Fluoranthene	19.404	202	407477	3.634	ng/ul	99
82) Pyrene	19.762	202	453784	3.906	ng/ul	98
83) Butylbenzylphthalate	20.668	149	172195	3.134	ng/ul	94
84) 3,3'-Dichlorobenzidine	21.456	252	118947	3.330	ng/ul	98
85) Benzo(a)anthracene	21.515	228	426937	3.769	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.445	149	256769	2.934	ng/ul	99
87) Chrysene	21.568	228	380575	3.722	ng/ul	99
89) Di-n-octyl phthalate	22.386	149	421953	2.815	ng/ul	100
90) Benzo(b)fluoranthene	23.215	252	399444	3.539	ng/ul	98
91) Benzo(k)fluoranthene	23.262	252	394068	3.545	ng/ul	98
93) Benzo(a)pyrene	23.844	252	383311	3.710	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	26.474	276	441721	3.746	ng/ul	98
95) Dibenzo(a,h)anthracene	26.497	278	366603	3.753	ng/ul	98
96) Benzo(g,h,i)perylene	27.250	276	345557	3.860	ng/ul	99

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

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