Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM031921\
Data File : BM029172.D
Acq On : 19 Mar 2021 16:03
Operator : CG/JU
Sample : M1344-05
Misc : SFAM-MDL-MES-01
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MDL-MED-SOIL-QT2-2021-03

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3/22/2021 2:48:54 PM

Quant Time: Mar 19 16:34:41 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM031921.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Mar 19 12:41:26 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	79844	20.00	ng/ul	0.00
20) Naphthalene-d8	10.55	136	320950	20.00	ng/ul	0.00
38) Acenaphthene-d10	14.39	164	211713	20.00	ng/ul	0.00
64) Phenanthrene-d10	17.13	188	456222	20.00	ng/ul	0.00
79) Chrysene-d12	21.29	240	484589	20.00	ng/ul	0.00
88) Perylene-d12	23.53	264	519047	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.28	96	8617	4.24	ng/uL	0.00
4) Pyridine-d5	3.69	84	136033	25.62	ng/ul	0.00
7) Phenol-d5	6.93	99	204846	32.49	ng/ul	0.00
9) Bis-(2-Chloroethyl)ether-d	7.11	67	128482	35.25	ng/ul	0.00
11) 2-Chlorophenol-d4	7.30	132	168236	34.28	ng/ul	0.00
15) 4-Methylphenol-d8	8.47	113	160178	32.73	ng/ul	0.00
21) Nitrobenzene-d5	8.92	128	70103	34.34	ng/ul	0.00
24) 2-Nitrophenol-d4	9.64	143	70444	36.20	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.17	165	159495	31.28	ng/ul	0.00
31) 4-Chloroaniline-d4	10.68	131	222888	30.89	ng/ul	0.00
46) Dimethylphthalate-d6	13.81	166	523268	32.77	ng/ul	0.00
49) Acenaphthylene-d8	14.09	160	636775	33.73	ng/ul	0.00
54) 4-Nitrophenol-d4	14.57	143	77185	29.68	ng/ul	0.00
60) Fluorene-d10	15.39	176	452411	32.93	ng/ul	0.00
65) 4,6-Dinitro-2-methylphenol	15.49	200	57838	26.89	ng/ul	0.00
73) Anthracene-d10	17.23	188	700174	32.14	ng/ul	0.00
81) Pyrene-d10	19.52	212	783479	34.64	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.39	264	928210	33.59	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.32	88	2488	1.220	ng/uL#	81
5) Pyridine	3.71	79	24995	4.582	ng/ul#	61
6) Benzaldehyde	6.92	77	18567	5.487	ng/ul	97
8) Phenol	6.96	94	31630	4.773	ng/ul	98
10) Bis(2-Chloroethyl)ether	7.20	93	22627	4.621	ng/ul	96
12) 2-Chlorophenol	7.33	128	24792	4.735	ng/ul	95
13) 2-Methylphenol	8.20	108	21901	4.480	ng/ul	100
14) 2,2'-oxybis(1-Chloropropan	8.30	45	30796	4.798	ng/ul	97
16) Acetophenone	8.59	105	37307	4.664	ng/ul	98
17) N-Nitroso-di-n-propylamine	8.57	70	19192	5.044	ng/ul#	98
18) 4-Methylphenol	8.53	108	23397	4.508	ng/ul	92
19) Hexachloroethane	8.85	117	9605	4.283	ng/ul	90
22) Nitrobenzene	8.96	77	29385	4.937	ng/ul	95
23) Isophorone	9.49	82	49065	4.614	ng/ul	99
25) 2-Nitrophenol	9.67	139	11412	5.090	ng/ul	95
26) 2,4-Dimethylphenol	9.73	107	26834	4.404	ng/ul	98
27) Bis(2-Chloroethoxy)methane	9.97	93	29481	4.641	ng/ul	98
29) 2,4-Dichlorophenol	10.19	162	24326	4.713	ng/ul	93
30) Naphthalene	10.60	128	79226	4.557	ng/ul	99
32) 4-Chloroaniline	10.71	127	33280	4.536	ng/ul	91
33) Hexachlorobutadiene	10.89	225	16516	4.456	ng/ul	96
34) Caprolactam	11.50	113	5230m	3.987	ng/ul	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
35) 4-Chloro-3-methylphenol	11.83	107	22572	4.502	ng/ul	95
36) 2-Methylnaphthalene	12.22	142	57994	4.721	ng/ul	98
37) 1-Methylnaphthalene	12.43	142	55422	4.570	ng/ul	96
39) 1,2,4,5-Tetrachlorobenzene	12.58	216	30115	4.117	ng/ul#	95
40) Hexachlorocyclopentadiene	12.57	237	17208	3.581	ng/ul	92
41) 2,4,6-Trichlorophenol	12.82	196	16236	4.036	ng/ul#	92
42) 2,4,5-Trichlorophenol	12.89	196	17086	3.989	ng/ul	95
43) 1,1'-Biphenyl	13.23	154	77332	4.487	ng/ul	98
44) 2-Chloronaphthalene	13.27	162	57846	4.251	ng/ul	98
45) 2-Nitroaniline	13.47	65	12933	4.430	ng/ul#	84
47) Dimethylphthalate	13.86	163	76519	4.682	ng/ul	99
48) 2,6-Dinitrotoluene	13.96	165	10080	3.963	ng/ul#	80
50) Acenaphthylene	14.12	152	88495	4.533	ng/ul	99
51) 3-Nitroaniline	14.29	138	10081	3.584	ng/ul	95
52) Acenaphthene	14.46	153	64216	4.430	ng/ul	96
53) 2,4-Dinitrophenol	14.49	184	4533	3.321	ng/ul#	80
55) 4-Nitrophenol	14.59	109	11173	4.516	ng/ul	91
56) Dibenzofuran	14.79	168	90937	4.514	ng/ul	100
57) 2,4-Dinitrotoluene	14.75	165	15123	4.167	ng/ul	91
58) 2,3,4,6-Tetrachlorophenol	15.02	232	14303	4.167	ng/ul#	100
59) Diethylphthalate	15.22	149	71431	4.439	ng/ul	99
61) Fluorene	15.44	166	74955	4.447	ng/ul	96
62) 4-Chlorophenyl-phenylether	15.44	204	37981	4.489	ng/ul	98
63) 4-Nitroaniline	15.44	138	10881	3.707	ng/ul	95
66) 4,6-Dinitro-2-methylphenol	15.51	198	9645	4.263	ng/ul#	87
67) N-Nitrosodiphenylamine	15.64	169	62159	4.265	ng/ul	99
68) 4-Bromophenyl-phenylether	16.33	248	20821	4.289	ng/ul	95
69) Hexachlorobenzene	16.44	284	23367	4.321	ng/ul	98
70) Atrazine	16.60	200	21215	3.800	ng/ul#	89
71) Pentachlorophenol	16.78	266	10172	3.312	ng/ul	98
72) Phenanthrene	17.17	178	120628	4.479	ng/ul	98
74) Anthracene	17.26	178	124534	4.500	ng/ul	98
75) 1,2,3,4-Tetrachlorobenzene	13.19	216	30348	4.119	ng/uL	99
76) Pentachlorobenzene	14.71	250	28482	3.960	ng/uL	95
77) Carbazole	17.53	167	106177	4.168	ng/ul	99
78) Di-n-butylphthalate	18.10	149	104183	3.959	ng/ul	98
80) Fluoranthene	19.18	202	134113	4.616	ng/ul	98
82) Pyrene	19.54	202	148897	4.889	ng/ul	98
83) Butylbenzylphthalate	20.45	149	40709	3.804	ng/ul	93
84) 3,3'-Dichlorobenzidine	21.22	252	30048	2.994	ng/ul	93
85) Benzo(a)anthracene	21.28	228	140753	4.502	ng/ul	100
86) Bis(2-ethylhexyl)phthalate	21.23	149	61026	3.470	ng/ul	100
87) Chrysene	21.33	228	141820	4.640	ng/ul	100
89) Di-n-octyl phthalate	22.11	149	101878	3.077	ng/ul	100
90) Benzo(b)fluoranthene	22.86	252	145041	4.324	ng/ul	99
91) Benzo(k)fluoranthene	22.90	252	149426	4.458	ng/ul	98
93) Benzo(a)pyrene	23.44	252	137865	4.536	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	25.80	276	177765	4.349	ng/ul	98
95) Dibenzo(a,h)anthracene	25.81	278	146776	4.256	ng/ul	100
96) Benzo(g,h,i)perylene	26.49	276	144270	4.303	ng/ul	99

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

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