Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN031121\
Data File : BN013921.D
Acq On : 11 Mar 2021 18:27
Operator : CG/JU
Sample : M1534-21
Misc : SOM-MDL-MES-07
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : MDL-ME-SOIL-07

Quant Time: Mar 11 23:43:23 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN030421MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Mar 11 23:32:50 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	180521	20.00	ng/ul	0.00
18) Naphthalene-d8	10.50	136	763443	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.35	164	449637	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.09	188	919341	20.00	ng/ul	0.00
78) Chrysene-d12	21.26	240	917109	20.00	ng/ul	0.00
86) Perylene-d12	23.49	264	882834	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.22	96	18916	4.16	ng/uL	0.00
5) Phenol-d5	6.88	99	459828	31.50	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.05	67	305301	33.88	ng/ul	0.00
9) 2-Chlorophenol-d4	7.25	132	372233	33.34	ng/ul	0.00
13) 4-Methylphenol-d8	8.42	113	350559	31.71	ng/ul	0.00
19) Nitrobenzene-d5	8.87	128	170481	33.37	ng/ul	0.00
22) 2-Nitrophenol-d4	9.58	143	167575	34.34	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.12	165	328900	30.85	ng/ul	0.00
29) 4-Chloroaniline-d4	10.63	131	477899	36.20	ng/ul	0.00
44) Dimethylphthalate-d6	13.76	166	990912	32.82	ng/ul	0.00
47) Acenaphthylene-d8	14.04	160	1289319	32.29	ng/ul	0.00
52) 4-Nitrophenol-d4	14.54	143	161377	28.50	ng/ul	0.00
58) Fluorene-d10	15.34	176	865091	32.45	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.46	200	110524	25.86	ng/ul	0.00
71) Anthracene-d10	17.19	188	1284252	31.96	ng/ul	0.00
79) Pyrene-d10	19.48	212	1388618	31.13	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.34	264	1530698	34.83	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.25	88	3958	0.857	ng/uL#	87
4) Benzaldehyde	6.86	77	34611	4.710	ng/ul	96
6) Phenol	6.90	94	55249	3.531	ng/ul	95
8) Bis(2-Chloroethyl)ether	7.15	93	43960	3.592	ng/ul	97
10) 2-Chlorophenol	7.28	128	43315	3.642	ng/ul	96
11) 2-Methylphenol	8.15	108	35799	3.171	ng/ul	99
12) 2,2'-oxybis(1-Chloropropan	8.25	45	65939	3.529	ng/ul	96
14) Acetophenone	8.53	105	65353	3.587	ng/ul	99
15) N-Nitroso-di-n-propylamine	8.52	70	29621	3.277	ng/ul	99
16) 4-Methylphenol	8.48	108	42960	3.508	ng/ul	98
17) Hexachloroethane	8.79	117	17502	3.469	ng/ul	96
20) Nitrobenzene	8.90	77	49770	3.561	ng/ul	97
21) Isophorone	9.43	82	74183	3.027	ng/ul	98
23) 2-Nitrophenol	9.62	139	21746	3.809	ng/ul	89
24) 2,4-Dimethylphenol	9.68	107	45004	3.347	ng/ul	98
25) Bis(2-Chloroethoxy)methane	9.92	93	56356	3.445	ng/ul	100
27) 2,4-Dichlorophenol	10.14	162	38564	3.515	ng/ul#	87
28) Naphthalene	10.55	128	142327	3.596	ng/ul	99
30) 4-Chloroaniline	10.65	127	55041	4.013	ng/ul	97
31) Hexachlorobutadiene	10.83	225	24331	3.483	ng/ul	97
32) Caprolactam	11.43	113	7246	2.182	ng/ul	81
33) 4-Chloro-3-methylphenol	11.77	107	32412	2.899	ng/ul	95
34) 2-Methylnaphthalene	12.16	142	96305	3.562	ng/ul	93

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Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
35) 1-Methylnaphthalene	12.38	142	92289	3.541 ng/ul	99
37) 1,2,4,5-Tetrachlorobenzene	12.53	216	47328	3.496 ng/ul	97
38) Hexachlorocyclopentadiene	12.52	237	24411	3.029 ng/ul	93
39) 2,4,6-Trichlorophenol	12.77	196	21778	2.787 ng/ul	98
40) 2,4,5-Trichlorophenol	12.84	196	26383	3.078 ng/ul	93
41) 1,1'-Biphenyl	13.18	154	121950	3.607 ng/ul	99
42) 2-Chloronaphthalene	13.22	162	95297	3.605 ng/ul	99
43) 2-Nitroaniline	13.42	65	18450	2.692 ng/ul	97
45) Dimethylphthalate	13.80	163	113706	3.640 ng/ul	98
46) 2,6-Dinitrotoluene	13.92	165	15680	2.801 ng/ul	98
48) Acenaphthylene	14.07	152	143184	3.699 ng/ul	99
49) 3-Nitroaniline	14.25	138	16358	2.687 ng/ul#	85
50) Acenaphthene	14.41	153	101188	3.583 ng/ul	97
51) 2,4-Dinitrophenol	14.46	184	5408	1.835 ng/ul	89
53) 4-Nitrophenol	14.55	109	15136	3.318 ng/ul	90
54) Dibenzofuran	14.75	168	141826	3.643 ng/ul	100
55) 2,4-Dinitrotoluene	14.71	165	24542	3.068 ng/ul#	94
56) 2,3,4,6-Tetrachlorophenol	14.97	232	19306	2.918 ng/ul	96
57) Diethylphthalate	15.17	149	103802	3.325 ng/ul	98
59) Fluorene	15.40	166	114590	3.617 ng/ul	95
60) 4-Chlorophenyl-phenylether	15.40	204	56055	3.688 ng/ul	97
61) 4-Nitroaniline	15.41	138	18372	2.634 ng/ul	94
64) 4,6-Dinitro-2-methylphenol	15.47	198	13860	3.079 ng/ul#	81
65) N-Nitrosodiphenylamine	15.61	169	92951	3.511 ng/ul	97
66) 4-Bromophenyl-phenylether	16.29	248	29733	3.376 ng/ul	99
67) Hexachlorobenzene	16.40	284	36533	3.473 ng/ul	98
68) Atrazine	16.56	200	22894	2.502 ng/ul	94
69) Pentachlorophenol	16.74	266	11239	2.028 ng/ul	97
70) Phenanthrene	17.13	178	177653	3.567 ng/ul	98
72) Anthracene	17.22	178	182121	3.597 ng/ul	98
73) 1,2,3,4-Tetrachlorobenzene	13.14	216	46998	3.491 ng/uL	97
74) Pentachlorobenzene	14.67	250	44431	3.503 ng/uL	98
75) Carbazole	17.49	167	146400	3.241 ng/ul	99
76) Di-n-butylphthalate	18.06	149	136424	2.699 ng/ul	100
77) Fluoranthene	19.15	202	180401	3.275 ng/ul#	94
80) Pyrene	19.51	202	210467	3.564 ng/ul	99
81) Butylbenzylphthalate	20.41	149	46592	2.292 ng/ul	99
82) 3,3'-Dichlorobenzidine	21.19	252	39054	2.269 ng/ul	93
83) Benzo(a)anthracene	21.25	228	184287	3.265 ng/ul	99
84) Bis(2-ethylhexyl)phthalate	21.19	149	73461	2.160 ng/ul	99
85) Chrysene	21.30	228	191246	3.481 ng/ul	99
87) Di-n-octyl phthalate	22.06	149	116932	2.120 ng/ul	100
88) Benzo(b)fluoranthene	22.82	252	186375	3.475 ng/ul	99
89) Benzo(k)fluoranthene	22.86	252	185693	3.451 ng/ul	99
91) Benzo(a)pyrene	23.39	252	175362	3.607 ng/ul	99
92) Indeno(1,2,3-cd)pyrene	25.72	276	206450	3.398 ng/ul	98
93) Dibenzo(a,h)anthracene	25.73	278	175326	3.385 ng/ul	98
94) Benzo(g,h,i)perylene	26.40	276	166606	3.265 ng/ul	98

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

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