Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN072518\
Data File : BN002149.D
Acq On : 25 Jul 2018 23:01
Operator : JU/SJ
Sample : J3762-03
Misc : MDL 2 PPM
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
MDL-SOIL-03-QT3-2018

**Manual Integrations APPROVED**
Sohil
7/27/2018 11:35:43 AM

Quant Time: Jul 26 06:50:15 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-BN072518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 25 20:08:02 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.69 | 152 | 211471 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.46 | 136 | 877431 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.32 | 164 | 521219 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.07 | 188 | 1120640 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.27 | 240 | 972218 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 23.49 | 264 | 875795 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.31 | 112 | 1589267 | 120.99 | ng | | 0.00 |
| 7) Phenol-d6 | 6.88 | 99 | 2147504 | 116.50 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.84 | 82 | 1498790 | 87.60 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 15.82 | 330 | 843006 | 124.55 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 12.94 | 172 | 3440689 | 85.98 | ng | | 0.00 |
| 78) Terphenyl-d14 | 19.71 | 244 | 5036879 | 108.05 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.29 | 88 | 8694 | 1.763 | ng | # | 65 |
| 3) Pyridine | 3.68 | 79 | 21430 | 1.500 | ng | # | 68 |
| 4) n-Nitrosodimethylamine | 3.59 | 42 | 12366 | 2.018 | ng | # | 44 |
| 6) Aniline | 7.03 | 93 | 26148 | 1.161 | ng | # | 95 |
| 8) 2-Chlorophenol | 7.26 | 128 | 27174 | 1.784 | ng | | 96 |
| 9) Benzaldehyde | 6.85 | 77 | 27718 | 2.442 | ng | | 90 |
| 10) Phenol | 6.90 | 94 | 35701 | 1.889 | ng | | 80 |
| 11) bis(2-Chloroethyl)ether | 7.13 | 93 | 26302 | 1.710 | ng | | 87 |
| 12) 1,3-Dichlorobenzene | 7.58 | 146 | 31543 | 1.817 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 7.73 | 146 | 32367 | 1.822 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 8.04 | 146 | 30460 | 1.778 | ng | | 98 |
| 15) Benzyl Alcohol | 7.93 | 79 | 17045 | 1.225 | ng | | 95 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.22 | 45 | 46368 | 1.867 | ng | | 92 |
| 17) 2-Methylphenol | 8.13 | 107 | 22744 | 1.763 | ng | | 97 |
| 18) Hexachloroethane | 8.76 | 117 | 11479 | 1.766 | ng | | 91 |
| 19) n-Nitroso-di-n-propylamine | 8.49 | 70 | 21850 | 1.634 | ng | | 95 |
| 20) 3+4-Methylphenols | 8.46 | 107 | 28968 | 1.610 | ng | | 88 |
| 22) Acetophenone | 8.50 | 105 | 43024 | 1.891 | ng | | 96 |
| 24) Nitrobenzene | 8.88 | 77 | 33901 | 1.912 | ng | # | 95 |
| 25) Isophorone | 9.40 | 82 | 58480 | 1.991 | ng | # | 95 |
| 26) 2-Nitrophenol | 9.59 | 139 | 12129 | 1.416 | ng | | 96 |
| 27) 2,4-Dimethylphenol | 9.65 | 122 | 23659 | 1.986 | ng | | 94 |
| 28) bis(2-Chloroethoxy)methane | 9.89 | 93 | 36212 | 1.908 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.13 | 162 | 22691 | 1.633 | ng | | 95 |
| 30) 1,2,4-Trichlorobenzene | 10.33 | 180 | 28716 | 1.825 | ng | | 96 |
| 31) Naphthalene | 10.51 | 128 | 91364 | 2.063 | ng | | 97 |
| 32) Benzoic acid | 9.72 | 122 | 6918m | 0.684 | ng | | |
| 33) 4-Chloroaniline | 10.63 | 127 | 24692 | 1.253 | ng | | 96 |
| 34) Hexachlorobutadiene | 10.80 | 225 | 17418 | 1.808 | ng | | 96 |
| 35) Caprolactam | 11.38 | 113 | 6055 | 1.277 | ng | # | 55 |
| 36) 4-Chloro-3-methylphenol | 11.76 | 107 | 26161 | 1.656 | ng | # | 93 |
| 37) 2-Methylnaphthalene | 12.13 | 142 | 67368 | 2.157 | ng | | 95 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.50 | 216 | 32881 | 1.876 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 12.48 | 237 | 14795 | 1.495 | ng | | 87 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 12.75 | 196 | 18757 | 1.595 | ng | | 100 |
| 43) 2,4,5-Trichlorophenol | 12.83 | 196 | 19349 | 1.553 | ng | | 91 |
| 45) 1,1'-Biphenyl | 13.15 | 154 | 91220 | 1.989 | ng | | 99 |
| 46) 2-Chloronaphthalene | 13.19 | 162 | 67030 | 1.893 | ng | | 96 |
| 47) 2-Nitroaniline | 13.40 | 65 | 16268 | 1.428 | ng | | 91 |
| 48) Acenaphthylene | 14.04 | 152 | 100710 | 1.875 | ng | | 97 |
| 49) Dimethylphthalate | 13.78 | 163 | 82507 | 1.906 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 13.90 | 165 | 15614 | 1.623 | ng | # | 90 |
| 51) Acenaphthene | 14.39 | 154 | 63991 | 1.977 | ng | | 95 |
| 52) 3-Nitroaniline | 14.23 | 138 | 12977 | 1.245 | ng | # | 86 |
| 53) 2,4-Dinitrophenol | 14.45 | 184 | 4179 | 0.821 | ng | | 93 |
| 54) Dibenzofuran | 14.72 | 168 | 102314 | 1.950 | ng | | 96 |
| 55) 4-Nitrophenol | 14.56 | 139 | 9534 | 1.192 | ng | # | 82 |
| 56) 2,4-Dinitrotoluene | 14.70 | 165 | 18262 | 1.399 | ng | # | 95 |
| 57) Fluorene | 15.37 | 166 | 77494 | 1.960 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 14.95 | 232 | 17410 | 1.625 | ng | # | 95 |
| 59) Diethylphthalate | 15.15 | 149 | 79240 | 1.798 | ng | | 96 |
| 60) 4-Chlorophenyl-phenylether | 15.37 | 204 | 40646 | 1.857 | ng | | 96 |
| 61) 4-Nitroaniline | 15.40 | 138 | 14409 | 1.356 | ng | | 94 |
| 62) Azobenzene | 15.66 | 77 | 74430 | 1.760 | ng | | 98 |
| 64) 4,6-Dinitro-2-methylphenol | 15.47 | 198 | 7277 | 0.962 | ng | | 82 |
| 65) n-Nitrosodiphenylamine | 15.59 | 169 | 66548 | 1.790 | ng | | 93 |
| 66) 4-Bromophenyl-phenylether | 16.27 | 248 | 23537 | 1.794 | ng | | 95 |
| 67) Hexachlorobenzene | 16.38 | 284 | 26996 | 1.860 | ng | # | 88 |
| 68) Atrazine | 16.54 | 200 | 18903 | 1.510 | ng | | 95 |
| 69) Pentachlorophenol | 16.73 | 266 | 8503 | 0.910 | ng | | 96 |
| 70) Phenanthrene | 17.11 | 178 | 126148 | 2.062 | ng | | 99 |
| 71) Anthracene | 17.20 | 178 | 119390 | 1.972 | ng | | 98 |
| 72) Carbazole | 17.47 | 167 | 100097 | 1.648 | ng | | 98 |
| 73) Di-n-butylphthalate | 18.05 | 149 | 105503 | 1.489 | ng | | 98 |
| 74) Fluoranthene | 19.13 | 202 | 123048 | 1.853 | ng | | 98 |
| 76) Benzidine | 19.33 | 184 | 20905 | 0.659 | ng | # | 91 |
| 77) Pyrene | 19.50 | 202 | 126845 | 1.892 | ng | | 98 |
| 79) Butylbenzylphthalate | 20.41 | 149 | 40058 | 1.373 | ng | | 94 |
| 80) Benzo(a)anthracene | 21.25 | 228 | 116661 | 1.969 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 21.19 | 252 | 25244 | 1.093 | ng | # | 94 |
| 82) Chrysene | 21.30 | 228 | 111658 | 1.979 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 21.19 | 149 | 58465 | 1.437 | ng | # | 98 |
| 84) Di-n-octyl phthalate | 22.07 | 149 | 90737 | 1.406 | ng | | 98 |
| 85) Indeno(1,2,3-cd)pyrene | 25.72 | 276 | 103566 | 1.883 | ng | # | 95 |
| 87) Benzo(b)fluoranthene | 22.83 | 252 | 103997 | 2.012 | ng | | 98 |
| 88) Benzo(k)fluoranthene | 22.87 | 252 | 101341 | 1.991 | ng | | 97 |
| 89) Benzo(a)pyrene | 23.40 | 252 | 95510 | 1.979 | ng | # | 94 |
| 90) Dibenzo(a,h)anthracene | 25.73 | 278 | 89909 | 1.984 | ng | # | 95 |
| 91) Benzo(g,h,i)perylene | 26.40 | 276 | 87514 | 1.998 | ng | | 98 |

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

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