Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022318\
Data File : BF103190.D
Acq On : 23 Feb 2018 11:06
Operator : SJ/JU
Sample : J1161-03
Misc : MDL-S-1ppm
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
MDL-SOIL-03-QT1-2018

**Manual Integrations APPROVED**

Quant Time: Feb 23 12:41:53 2018
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 23 02:43:46 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) | |
|---|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.87 | 152 | 171432 | 20.00 | ng | | 0.00 | |
| 21) Naphthalene-d8 | 8.15 | 136 | 759387 | 20.00 | ng | | 0.00 | |
| 38) Acenaphthene-d10 | 9.91 | 164 | 353698 | 20.00 | ng | | 0.00 | |
| 63) Phenanthrene-d10 | 11.40 | 188 | 627738 | 20.00 | ng | | 0.00 | |
| 75) Chrysene-d12 | 14.04 | 240 | 473909 | 20.00 | ng | | 0.00 | |
| 86) Perylene-d12 | 15.54 | 264 | 462119 | 20.00 | ng | | 0.00 | Sohil |
| **System Monitoring Compounds** | | | | | | | | |
| 5) 2-Fluorophenol | 5.49 | 112 | 1286019 | 113.46 | ng | | 0.00 | |
| 7) Phenol-d6 | 6.50 | 99 | 1594640 | 114.97 | ng | | 0.00 | 2/26/2018 |
| 23) Nitrobenzene-d5 | 7.44 | 82 | 1148408 | 86.36 | ng | | 0.00 | 9:54:28 AM |
| 41) 2,4,6-Tribromophenol | 10.70 | 330 | 361094 | 120.61 | ng | | 0.00 | |
| 44) 2-Fluorobiphenyl | 9.23 | 172 | 1751985 | 85.41 | ng | | 0.00 | |
| 78) Terphenyl-d14 | 12.99 | 244 | 1440734 | 73.08 | ng | | 0.00 | |
| **Target Compounds** | | | | | | | Qvalue | |
| 2) 1,4-Dioxane | 2.66 | 88 | 5958 | 0.995 | ng | # | 89 | |
| 3) Pyridine | 3.45 | 79 | 112 | 0.007 | ng | # | 9 | |
| 4) n-Nitrosodimethylamine | 3.49 | 42 | 3880m | 0.602 | ng | | | |
| 6) Aniline | 6.54 | 93 | 20262 | 1.012 | ng | | 94 | |
| 8) 2-Chlorophenol | 6.66 | 128 | 13298 | 1.129 | ng | | 90 | |
| 9) Benzaldehyde | 6.43 | 77 | 7318 | 0.164 | ng | | 91 | |
| 10) Phenol | 6.52 | 94 | 18242 | 1.133 | ng | | 81 | |
| 11) bis(2-Chloroethyl)ether | 6.60 | 93 | 14719 | 1.204 | ng | | 88 | |
| 12) 1,3-Dichlorobenzene | 6.81 | 146 | 15558 | 1.156 | ng | | 94 | |
| 13) 1,4-Dichlorobenzene | 6.89 | 146 | 15199 | 1.127 | ng | | 97 | |
| 14) 1,2-Dichlorobenzene | 7.04 | 146 | 14948m | 1.202 | ng | | | |
| 15) Benzyl Alcohol | 7.03 | 79 | 27103 | 2.593 | ng | # | 39 | |
| 16) 2,2'-oxybis(1-Chloropropan | 7.14 | 45 | 23437 | 1.117 | ng | | 96 | |
| 17) 2-Methylphenol | 7.12 | 107 | 11448 | 1.070 | ng | # | 92 | |
| 18) Hexachloroethane | 7.38 | 117 | 5669 | 1.154 | ng | | 89 | |
| 19) n-Nitroso-di-n-propylamine | 7.27 | 70 | 10727 | 1.243 | ng | | 95 | |
| 20) 3+4-Methylphenols | 7.29 | 107 | 15643 | 1.199 | ng | # | 87 | |
| 22) Acetophenone | 7.27 | 105 | 21186 | 1.195 | ng | # | 94 | |
| 24) Nitrobenzene | 7.45 | 77 | 18974 | 1.296 | ng | | 96 | |
| 25) Isophorone | 7.44 | 82 | 1148395 | 43.850 | ng | # | 64 | |
| 26) 2-Nitrophenol | 7.77 | 139 | 5542 | 0.804 | ng | | 92 | |
| 27) 2,4-Dimethylphenol | 7.81 | 122 | 9775 | 0.928 | ng | | 92 | |
| 28) bis(2-Chloroethoxy)methane | 7.90 | 93 | 16415 | 1.066 | ng | | 99 | |
| 29) 2,4-Dichlorophenol | 8.03 | 162 | 9357 | 0.928 | ng | | 94 | |
| 30) 1,2,4-Trichlorobenzene | 8.09 | 180 | 11324 | 1.054 | ng | | 98 | |
| 31) Naphthalene | 8.17 | 128 | 42965 | 1.156 | ng | | 97 | |
| 32) Benzoic acid | 7.92 | 122 | 2774m | 7.218 | ng | | | |
| 33) 4-Chloroaniline | 8.23 | 127 | 14943 | 0.931 | ng | | 96 | |
| 34) Hexachlorobutadiene | 8.29 | 225 | 6269 | 1.121 | ng | | 90 | |
| 35) Caprolactam | 8.56 | 113 | 2782 | 0.785 | ng | # | 80 | |
| 36) 4-Chloro-3-methylphenol | 8.71 | 107 | 11613 | 1.021 | ng | | 93 | |
| 37) 2-Methylnaphthalene | 8.87 | 142 | 27943 | 1.163 | ng | | 98 | |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.03 | 216 | 10664 | 1.103 | ng | | 99 | |
| 42) 2,4,6-Trichlorophenol | 9.15 | 196 | 6006 | 0.923 | ng | | 98 | |

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|---|---|---|---|---|---|---|---|---|
| 43) 2,4,5-Trichlorophenol | 9.20 | 196 | 7087 | 0.947 | ng | # | 89 | |
| 45) 1,1'-Biphenyl | 9.33 | 154 | 39663 | 1.338 | ng | | 99 | |
| 46) 2-Chloronaphthalene | 9.36 | 162 | 26312 | 1.122 | ng | | 97 | |
| 47) 2-Nitroaniline | 9.46 | 65 | 8235 | 0.948 | ng | # | 72 | |
| 48) Acenaphthylene | 9.77 | 152 | 40946 | 1.135 | ng | | 98 | |
| 49) Dimethylphthalate | 9.62 | 163 | 31629 | 1.115 | ng | | 99 | Sohil |
| 50) 2,6-Dinitrotoluene | 9.69 | 165 | 5463 | 0.917 | ng | # | 82 | |
| 51) Acenaphthene | 9.94 | 154 | 24503 | 1.165 | ng | | 95 | |
| 52) 3-Nitroaniline | 9.87 | 138 | 6434 | 0.852 | ng | # | 86 | |
| 54) Dibenzofuran | 10.12 | 168 | 35807 | 1.240 | ng | | 99 | 2/26/2018 |
| 55) 4-Nitrophenol | 10.12 | 139 | 17340m | 3.703 | ng | | | 9:54:28 AM |
| 56) 2,4-Dinitrotoluene | 10.10 | 165 | 6558 | 0.871 | ng | # | 84 | |
| 57) Fluorene | 10.46 | 166 | 28461 | 1.157 | ng | # | 99 | |
| 58) 2,3,4,6-Tetrachlorophenol | 10.24 | 232 | 4716 | 0.938 | ng | # | 96 | |
| 59) Diethylphthalate | 10.32 | 149 | 31730 | 1.169 | ng | | 97 | |
| 60) 4-Chlorophenyl-phenylether | 10.45 | 204 | 12140 | 1.164 | ng | | 94 | |
| 61) 4-Nitroaniline | 10.48 | 138 | 5690 | 0.754 | ng | | 96 | |
| 62) Azobenzene | 10.61 | 77 | 31549 | 1.142 | ng | | 96 | |
| 64) 4,6-Dinitro-2-methylphenol | 10.52 | 198 | 802 | 5.134 | ng | # | 46 | |
| 65) n-Nitrosodiphenylamine | 10.56 | 169 | 24548 | 1.123 | ng | | 97 | |
| 66) 4-Bromophenyl-phenylether | 10.94 | 248 | 6727 | 1.029 | ng | | 93 | |
| 67) Hexachlorobenzene | 11.01 | 284 | 7367 | 1.038 | ng | | 94 | |
| 68) Atrazine | 11.09 | 200 | 6542 | 0.996 | ng | | 95 | |
| 69) Pentachlorophenol | 11.22 | 266 | 1046 | 0.305 | ng | # | 83 | |
| 70) Phenanthrene | 11.42 | 178 | 41660 | 1.206 | ng | | 97 | |
| 71) Anthracene | 11.47 | 178 | 40693 | 1.149 | ng | | 98 | |
| 72) Carbazole | 11.64 | 167 | 37336 | 1.058 | ng | | 100 | |
| 73) Di-n-butylphthalate | 11.95 | 149 | 49239 | 1.115 | ng | | 96 | |
| 74) Fluoranthene | 12.62 | 202 | 38492 | 1.109 | ng | | 97 | |
| 76) Benzidine | 12.74 | 184 | 9231 | 0.521 | ng | # | 96 | |
| 77) Pyrene | 12.84 | 202 | 42166 | 1.141 | ng | | 97 | |
| 79) Butylbenzylphthalate | 13.45 | 149 | 18438 | 0.944 | ng | | 92 | |
| 80) Benzo(a)anthracene | 14.03 | 228 | 32809 | 1.067 | ng | | 97 | |
| 81) 3,3'-Dichlorobenzidine | 14.00 | 252 | 10258 | 0.935 | ng | # | 97 | |
| 82) Chrysene | 14.07 | 228 | 33040 | 1.107 | ng | | 99 | |
| 83) Bis(2-ethylhexyl)phthalate | 14.00 | 149 | 28138 | 1.068 | ng | # | 97 | |
| 84) Di-n-octyl phthalate | 14.63 | 149 | 47832 | 1.124 | ng | | 96 | |
| 85) Indeno(1,2,3-cd)pyrene | 17.06 | 276 | 27163 | 1.149 | ng | | 96 | |
| 87) Benzo(b)fluoranthene | 15.10 | 252 | 30506m | 1.004 | ng | | | |
| 88) Benzo(k)fluoranthene | 15.13 | 252 | 29834 | 1.043 | ng | | 99 | |
| 89) Benzo(a)pyrene | 15.47 | 252 | 27247 | 1.004 | ng | # | 96 | |
| 90) Dibenzo(a,h)anthracene | 17.06 | 278 | 21600 | 1.030 | ng | # | 89 | |
| 91) Benzo(g,h,i)perylene | 17.52 | 276 | 21432 | 1.046 | ng | | 96 | |

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

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