Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070219\
Data File : BF115376.D
Acq On : 2 Jul 2019 22:40
Operator : HP/JU
Sample : K3629-01MS
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** NB-SOIL-PILEMS

**Manual Integrations APPROVED**
mohammad
7/3/2019 10:51:56 PM

Quant Time: Jul 03 11:42:44 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 28 05:26:43 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.61 | 152 | 228434 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 7.89 | 136 | 890192 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.64 | 164 | 432697 | 20.00 | ng | | 0.01 |
| 64) Phenanthrene-d10 | 11.11 | 188 | 825743 | 20.00 | ng | | 0.02 |
| 76) Chrysene-d12 | 13.74 | 240 | 461053 | 20.00 | ng | | 0.02 |
| 87) Perylene-d12 | 15.11 | 264 | 505672 | 20.00 | ng | | 0.03 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.21 | 112 | 1090350 | 73.66 | ng | | 0.02 |
| 7) Phenol-d6 | 6.25 | 99 | 1390080 | 77.37 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 7.17 | 82 | 842686 | 58.23 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.42 | 330 | 360162 | 78.93 | ng | | 0.02 |
| 45) 2-Fluorobiphenyl | 8.97 | 172 | 1618119 | 63.52 | ng | | 0.01 |
| 79) Terphenyl-d14 | 12.70 | 244 | 1589005 | 73.28 | ng | | 0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.24 | 88 | 135640 | 19.415 | ng | | 99 |
| 3) Pyridine | 2.90 | 79 | 184602 | 9.375 | ng | | 95 |
| 4) n-Nitrosodimethylamine | 2.82 | 42 | 150602 | 19.510 | ng | | 99 |
| 6) Aniline | 6.26 | 93 | 296687 | 12.015 | ng | # | 1 |
| 8) 2-Chlorophenol | 6.39 | 128 | 397490 | 23.880 | ng | | 99 |
| 9) Benzaldehyde | 6.14 | 77 | 239354 | 20.419 | ng | | 98 |
| 10) Phenol | 6.26 | 94 | 474862 | 22.563 | ng | | 92 |
| 11) bis(2-Chloroethyl)ether | 6.35 | 93 | 361166 | 23.280 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 6.54 | 146 | 433787 | 23.482 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.62 | 146 | 445993 | 24.076 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.78 | 146 | 416148 | 24.259 | ng | | 98 |
| 15) Benzyl Alcohol | 6.75 | 79 | 287352 | 21.964 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.89 | 45 | 498064 | 22.135 | ng | | 94 |
| 17) 2-Methylphenol | 6.87 | 107 | 338596 | 24.644 | ng | | 99 |
| 18) Hexachloroethane | 7.12 | 117 | 151092 | 22.624 | ng | | 99 |
| 19) n-Nitroso-di-n-propylamine | 7.02 | 70 | 256029 | 22.258 | ng | | 97 |
| 20) 3+4-Methylphenols | 7.02 | 107 | 404609 | 25.504 | ng | # | 81 |
| 22) Acetophenone | 7.02 | 105 | 546824 | 26.832 | ng | # | 95 |
| 24) Nitrobenzene | 7.19 | 77 | 402103 | 25.222 | ng | | 98 |
| 25) Isophorone | 7.43 | 82 | 713318 | 24.062 | ng | | 99 |
| 26) 2-Nitrophenol | 7.51 | 139 | 210761 | 26.770 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 7.55 | 122 | 334882 | 25.979 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 7.65 | 93 | 459512 | 24.525 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 7.75 | 162 | 346021 | 26.011 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 7.84 | 180 | 377871 | 25.716 | ng | | 98 |
| 31) Naphthalene | 7.91 | 128 | 1162953 | 26.614 | ng | | 98 |
| 32) Benzoic acid | 7.67 | 122 | 8899m | 0.967 | ng | | |
| 33) 4-Chloroaniline | 7.96 | 127 | 297684 | 14.906 | ng | | 100 |
| 34) Hexachlorobutadiene | 8.04 | 225 | 205111 | 25.472 | ng | | 98 |
| 35) Caprolactam | 8.31 | 113 | 84455m | 18.883 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.45 | 107 | 345052 | 25.612 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.60 | 142 | 782285 | 26.551 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.70 | 142 | 731486 | 25.995 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.77 | 216 | 350322 | 28.651 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 8.76 | 237 | 210747 | 29.067 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 8.88 | 196 | 232304 | 24.609 | ng | | 99 |
| 44) 2,4,5-Trichlorophenol | 8.92 | 196 | 258094 | 26.549 | ng | | 96 |
| 46) 1,1'-Biphenyl | 9.07 | 154 | 933992 | 26.977 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.09 | 162 | 731143 | 26.034 | ng | | 100 |
| 48) 2-Nitroaniline | 9.18 | 65 | 210418 | 25.700 | ng | | 89 |
| 49) Acenaphthylene | 9.50 | 152 | 1159239 | 26.494 | ng | | 98 |
| 50) Dimethylphthalate | 9.37 | 163 | 1071423 | 33.656 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.42 | 165 | 197111 | 26.819 | ng | | 98 |
| 52) Acenaphthene | 9.67 | 154 | 669160 | 24.440 | ng | | 99 |
| 53) 3-Nitroaniline | 9.59 | 138 | 198012 | 22.078 | ng | | 98 |
| 54) 2,4-Dinitrophenol | 9.70 | 184 | 13968 | 10.698 | ng | # | 86 |
| 55) Dibenzofuran | 9.84 | 168 | 1013319 | 25.786 | ng | | 98 |
| 56) 4-Nitrophenol | 9.76 | 139 | 282918 | 39.347 | ng | | 91 |
| 57) 2,4-Dinitrotoluene | 9.82 | 165 | 253638 | 26.727 | ng | | 92 |
| 58) Fluorene | 10.18 | 166 | 734000 | 25.148 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 9.97 | 232 | 187054 | 22.947 | ng | | 96 |
| 60) Diethylphthalate | 10.07 | 149 | 818578 | 25.580 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 10.18 | 204 | 357437 | 25.853 | ng | | 98 |
| 62) 4-Nitroaniline | 10.20 | 138 | 218458 | 24.280 | ng | | 95 |
| 63) Azobenzene | 10.34 | 77 | 737813 | 24.685 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylphenol | 10.24 | 198 | 35700 | 12.246 | ng | | 98 |
| 66) n-Nitrosodiphenylamine | 10.30 | 169 | 680397 | 26.448 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.67 | 248 | 238190 | 26.605 | ng | | 98 |
| 68) Hexachlorobenzene | 10.73 | 284 | 260966 | 26.855 | ng | | 94 |
| 69) Atrazine | 10.83 | 200 | 225004 | 27.189 | ng | | 99 |
| 70) Pentachlorophenol | 10.92 | 266 | 176801 | 28.558 | ng | | 97 |
| 71) Phenanthrene | 11.14 | 178 | 1130395 | 25.425 | ng | | 98 |
| 72) Anthracene | 11.19 | 178 | 1178732 | 26.265 | ng | | 99 |
| 73) Carbazole | 11.34 | 167 | 1033297 | 25.784 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.70 | 149 | 1253371 | 27.066 | ng | | 99 |
| 75) Fluoranthene | 12.32 | 202 | 1075385 | 24.243 | ng | | 98 |
| 77) Benzidine | 12.45 | 184 | 90845 | 4.437 | ng | | 99 |
| 78) Pyrene | 12.55 | 202 | 1056734 | 29.824 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.18 | 149 | 451461 | 28.872 | ng | | 90 |
| 81) Benzo(a)anthracene | 13.73 | 228 | 813452 | 24.589 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 13.70 | 252 | 264577 | 22.147 | ng | | 99 |
| 83) Chrysene | 13.77 | 228 | 786210 | 25.944 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phthalate | 13.75 | 149 | 628434 | 30.672 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.36 | 149 | 928014 | 26.958 | ng | | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 16.39 | 276 | 664278 | 18.525 | ng | | 98 |
| 88) Benzo(b)fluoranthene | 14.74 | 252 | 840649 | 26.643 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 14.76 | 252 | 749988 | 26.505 | ng | | 97 |
| 90) Benzo(a)pyrene | 15.05 | 252 | 763108 | 26.833 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 16.40 | 278 | 555053 | 20.906 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 16.77 | 276 | 517233 | 19.249 | ng | | 100 |

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

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