Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061716\
Data File : BF088093.D
Acq On : 17 Jun 2016 15:15
Operator : UM/SJ
Sample : H3510-01MS
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** HSR-WC-52-060916MS

**Manual Integrations APPROVED**
sohil
6/20/2016 6:50:49 PM

Quant Time: Jun 17 17:57:29 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 17 16:09:13 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.70 | 152 | 117684 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 7.99 | 136 | 503534 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.74 | 164 | 231514 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.21 | 188 | 428806 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.85 | 240 | 280792 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.23 | 264 | 45762 | 20.00 | ng | | 0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.31 | 112 | 758680 | 110.21 | ng | | 0.03 |
| 7) Phenol-d6 | 6.35 | 99 | 857852 | 102.83 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.27 | 82 | 608422 | 70.56 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.52 | 330 | 237368 | 97.10 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.06 | 172 | 1205177 | 81.55 | ng | | -0.01 |
| 78) Terphenyl-d14 | 12.80 | 244 | 942983 | 76.42 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.40 | 88 | 100549 | 30.06 | ng | # | 87 |
| 3) Pyridine | 3.10 | 79 | 129670m | 16.42 | ng | | |
| 4) n-Nitrosodimethylamine | 2.96 | 42 | 118875 | 35.54 | ng | | 82 |
| 8) 2-Chlorophenol | 6.49 | 128 | 323912 | 39.75 | ng | | 88 |
| 9) Benzaldehyde | 6.25 | 77 | 15575 | 2.68 | ng | | 98 |
| 10) Phenol | 6.36 | 94 | 267224 | 30.20 | ng | | 86 |
| 11) bis(2-Chloroethyl)ether | 6.44 | 93 | 288089 | 39.38 | ng | | 89 |
| 12) 1,3-Dichlorobenzene | 6.64 | 146 | 333911m | 38.19 | ng | | |
| 13) 1,4-Dichlorobenzene | 6.72 | 146 | 334791 | 38.02 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 6.87 | 146 | 313354m | 39.13 | ng | | |
| 15) Benzyl Alcohol | 6.86 | 79 | 68327 | 10.47 | ng | | 91 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.98 | 45 | 375576 | 38.00 | ng | | 60 |
| 17) 2-Methylphenol | 6.97 | 107 | 242037 | 36.63 | ng | | 98 |
| 18) Hexachloroethane | 7.21 | 117 | 125277 | 40.09 | ng | | 100 |
| 19) n-Nitroso-di-n-propylamine | 7.13 | 70 | 216260 | 40.52 | ng | # | 83 |
| 20) 3+4-Methylphenols | 7.13 | 107 | 301943 | 39.16 | ng | # | 80 |
| 22) Acetophenone | 7.12 | 105 | 444454 | 39.50 | ng | | 98 |
| 24) Nitrobenzene | 7.29 | 77 | 351588 | 42.09 | ng | | 99 |
| 25) Isophorone | 7.53 | 82 | 611120 | 38.26 | ng | | 100 |
| 26) 2-Nitrophenol | 7.60 | 139 | 182378 | 40.76 | ng | | 89 |
| 27) 2,4-Dimethylphenol | 7.66 | 122 | 318490 | 38.66 | ng | | 97 |
| 28) bis(2-Chloroethoxy)methane | 7.75 | 93 | 279524 | 28.22 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.85 | 162 | 282700 | 41.10 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 7.93 | 180 | 285498 | 38.12 | ng | | 98 |
| 31) Naphthalene | 8.00 | 128 | 995210 | 39.94 | ng | | 99 |
| 32) Benzoic acid | 7.80 | 122 | 208194 | 45.89 | ng | | 93 |
| 34) Hexachlorobutadiene | 8.12 | 225 | 145884 | 36.93 | ng | | 99 |
| 35) Caprolactam | 8.46 | 113 | 81136m | 35.61 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.56 | 107 | 292618 | 39.78 | ng | | 97 |
| 37) 2-Methylnaphthalene | 8.70 | 142 | 626421 | 38.14 | ng | # | 97 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.87 | 216 | 274734 | 45.91 | ng | # | 1 |
| 40) Hexachlorocyclopentadiene | 8.86 | 237 | 193471 | 51.81 | ng | | 98 |
| 42) 2,4,6-Trichlorophenol | 8.98 | 196 | 191531 | 41.37 | ng | | 96 |
| 43) 2,4,5-Trichlorophenol | 9.04 | 196 | 183801 | 38.16 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 45) 1,1'-Biphenyl | 9.16 | 154 | 774970 | 44.53 | ng | | 98 |
| 46) 2-Chloronaphthalene | 9.19 | 162 | 605289 | 40.40 | ng | | 98 |
| 47) 2-Nitroaniline | 9.29 | 65 | 104759 | 23.70 | ng | # | 69 |
| 48) Acenaphthylene | 9.60 | 152 | 773868 | 32.47 | ng | | 100 |
| 49) Dimethylphthalate | 9.47 | 163 | 703217 | 41.93 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.53 | 165 | 172383 | 44.88 | ng | # | 64 |
| 51) Acenaphthene | 9.77 | 154 | 531609 | 35.76 | ng | | 99 |
| 53) 2,4-Dinitrophenol | 9.82 | 184 | 160404 | 76.96 | ng | # | 84 |
| 54) Dibenzofuran | 9.94 | 168 | 736545 | 35.98 | ng | # | 88 |
| 55) 4-Nitrophenol | 9.88 | 139 | 201933 | 58.71 | ng | # | 79 |
| 56) 2,4-Dinitrotoluene | 9.94 | 165 | 207173 | 41.97 | ng | # | 69 |
| 57) Fluorene | 10.28 | 166 | 571802 | 40.89 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.07 | 232 | 148844 | 39.32 | ng | # | 53 |
| 59) Diethylphthalate | 10.17 | 149 | 692240 | 40.78 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 10.28 | 204 | 261619 | 38.43 | ng | # | 84 |
| 61) 4-Nitroaniline | 10.31 | 138 | 46969 | 11.17 | ng | | 97 |
| 62) Azobenzene | 10.43 | 77 | 590034 | 35.15 | ng | | 95 |
| 64) 4,6-Dinitro-2-methylphenol | 10.34 | 198 | 104691 | 39.51 | ng | | 95 |
| 65) n-Nitrosodiphenylamine | 10.40 | 169 | 77309 | 5.43 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.76 | 248 | 173121 | 37.63 | ng | # | 84 |
| 67) Hexachlorobenzene | 10.83 | 284 | 198053 | 41.43 | ng | # | 80 |
| 69) Pentachlorophenol | 11.03 | 266 | 182649 | 72.49 | ng | | 97 |
| 70) Phenanthrene | 11.24 | 178 | 964739 | 42.87 | ng | | 99 |
| 71) Anthracene | 11.29 | 178 | 820834 | 36.16 | ng | | 100 |
| 72) Carbazole | 11.45 | 167 | 129163 | 6.08 | ng | | 96 |
| 73) Di-n-butylphthalate | 11.78 | 149 | 1043022 | 38.79 | ng | | 99 |
| 74) Fluoranthene | 12.42 | 202 | 803735 | 33.85 | ng | | 98 |
| 77) Pyrene | 12.65 | 202 | 759557 | 36.45 | ng | | 100 |
| 79) Butylbenzylphthalate | 13.28 | 149 | 437246 | 47.46 | ng | | 99 |
| 80) Benzo(a)anthracene | 13.84 | 228 | 620916 | 38.80 | ng | | 100 |
| 82) Chrysene | 13.87 | 228 | 568008 | 37.73 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.84 | 149 | 492504 | 43.92 | ng | # | 100 |
| 84) Di-n-octyl phthalate | 14.45 | 149 | 931079 | 51.10 | ng | # | 100 |
| 85) Indeno(1,2,3-cd)pyrene | 16.54 | 276 | 371889 | 26.59 | ng | # | 100 |
| 87) Benzo(b)fluoranthene | 14.85 | 252 | 567990m | 178.08 | ng | | |
| 88) Benzo(k)fluoranthene | 14.88 | 252 | 538252m | 223.71 | ng | | |
| 89) Benzo(a)pyrene | 15.18 | 252 | 347421 | 134.63 | ng | # | 96 |
| 90) Dibenzo(a,h)anthracene | 16.55 | 278 | 439939 | 183.56 | ng | | 99 |
| 91) Benzo(g,h,i)perylene | 16.93 | 276 | 291345 | 118.17 | ng | | 99 |

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

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