Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM051917\
Data File : BM010067.D
Acq On : 19 May 2017 10:24
Operator : SJ/MA
Sample : SSTDICC010
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
mohammad
5/22/2017 2:40:45 PM

Quant Time: May 19 13:17:23 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM051917.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 19 12:47:58 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.97 | 152 | 211858 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.79 | 136 | 793018 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.61 | 164 | 514426 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.35 | 188 | 1293176 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.51 | 240 | 1780329 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 23.89 | 264 | 1967258 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.56 | 112 | 228468 | 16.88 | ng | | 0.00 |
| 7) Phenol-d6 | 7.17 | 99 | 293458 | 13.53 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.16 | 82 | 260651 | 12.01 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.10 | 330 | 142315 | 20.21 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.23 | 172 | 769278 | 20.00 | ng | | 0.00 |
| 78) Terphenyl-d14 | 19.95 | 244 | 1649949 | 19.53 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.45 | 88 | 51853 | 10.34 | ng | # | 100 |
| 3) Pyridine | 3.89 | 79 | 124619 | 6.74 | ng | | 93 |
| 4) n-Nitrosodimethylamine | 3.79 | 42 | 43929m | 4.34 | ng | | |
| 6) Aniline | 7.33 | 93 | 180650 | 6.41 | ng | | 98 |
| 8) 2-Chlorophenol | 7.55 | 128 | 126439 | 8.60 | ng | | 96 |
| 9) Benzaldehyde | 7.14 | 77 | 100264 | 6.17 | ng | | 99 |
| 10) Phenol | 7.19 | 94 | 155613 | 6.60 | ng | | 77 |
| 11) bis(2-Chloroethyl)ether | 7.41 | 93 | 110270 | 6.02 | ng | | 100 |
| 12) 1,3-Dichlorobenzene | 7.86 | 146 | 158115 | 9.64 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 8.01 | 146 | 162174 | 9.65 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.33 | 146 | 156699 | 9.61 | ng | | 97 |
| 15) Benzyl Alcohol | 8.25 | 79 | 98058 | 5.30 | ng | | 92 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.50 | 45 | 117239 | 4.03 | ng | | 80 |
| 17) 2-Methylphenol | 8.44 | 107 | 108561 | 7.06 | ng | # | 92 |
| 18) Hexachloroethane | 9.05 | 117 | 50818 | 7.29 | ng | # | 79 |
| 19) n-Nitroso-di-n-propylamine | 8.79 | 70 | 98964 | 5.03 | ng | # | 88 |
| 20) 3+4-Methylphenols | 8.77 | 107 | 143001 | 6.83 | ng | | 95 |
| 22) Acetophenone | 8.82 | 105 | 197583 | 8.15 | ng | # | 93 |
| 24) Nitrobenzene | 9.21 | 77 | 136588 | 5.91 | ng | | 97 |
| 25) Isophorone | 9.72 | 82 | 231427 | 6.20 | ng | | 96 |
| 26) 2-Nitrophenol | 9.91 | 139 | 55782 | 8.02 | ng | # | 84 |
| 27) 2,4-Dimethylphenol | 9.96 | 122 | 108229 | 8.32 | ng | # | 84 |
| 28) bis(2-Chloroethoxy)methane | 10.20 | 93 | 150187 | 6.68 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.44 | 162 | 120207 | 9.49 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 10.63 | 180 | 162831 | 11.01 | ng | | 95 |
| 31) Naphthalene | 10.84 | 128 | 414414 | 9.49 | ng | | 99 |
| 32) Benzoic acid | 10.06 | 122 | 62083 | 7.13 | ng | | 94 |
| 33) 4-Chloroaniline | 10.97 | 127 | 150705 | 8.12 | ng | # | 84 |
| 34) Hexachlorobutadiene | 11.08 | 225 | 106449 | 10.58 | ng | | 98 |
| 35) Caprolactam | 11.79 | 113 | 34339m | 6.94 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.09 | 107 | 130866 | 7.73 | ng | | 91 |
| 37) 2-Methylnaphthalene | 12.43 | 142 | 294614 | 9.43 | ng | | 95 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.79 | 216 | 185068 | 9.88 | ng | # | 100 |
| 40) Hexachlorocyclopentadiene | 12.75 | 237 | 103500 | 36.04 | ng | | 100 |

Data Path : Z:\HPCHEM1\BNA M\DATA\BM051917\
Data File : BM010067.D
Acq On : 19 May 2017 10:24
Operator : SJ/MA
Sample : SSTDICC010
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
mohammad
5/22/2017 2:40:45 PM

Quant Time: May 19 13:17:23 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM051917.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 19 12:47:58 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.05 | 196 | 103142 | 8.95 | ng | | 97 |
| 43) 2,4,5-Trichlorophenol | 13.12 | 196 | 115117 | 9.19 | ng | # | 95 |
| 45) 1,1'-Biphenyl | 13.44 | 154 | 407626 | 9.52 | ng | | 98 |
| 46) 2-Chloronaphthalene | 13.49 | 162 | 332227 | 9.88 | ng | | 97 |
| 47) 2-Nitroaniline | 13.73 | 65 | 71589 | 4.70 | ng | | 92 |
| 48) Acenaphthylene | 14.33 | 152 | 485001 | 9.15 | ng | | 100 |
| 49) Dimethylphthalate | 14.07 | 163 | 440384 | 9.71 | ng | # | 98 |
| 50) 2,6-Dinitrotoluene | 14.20 | 165 | 78900 | 8.59 | ng | | 98 |
| 51) Acenaphthene | 14.67 | 154 | 303553 | 9.09 | ng | | 97 |
| 52) 3-Nitroaniline | 14.56 | 138 | 66690 | 6.83 | ng | # | 76 |
| 53) 2,4-Dinitrophenol | 14.74 | 184 | 37930 | 8.87 | ng | # | 68 |
| 54) Dibenzofuran | 15.01 | 168 | 479546 | 9.38 | ng | | 100 |
| 55) 4-Nitrophenol | 14.86 | 139 | 50822 | 7.78 | ng | # | 68 |
| 56) 2,4-Dinitrotoluene | 14.99 | 165 | 102981 | 7.58 | ng | # | 69 |
| 57) Fluorene | 15.66 | 166 | 411897 | 9.13 | ng | | 97 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.23 | 232 | 100736 | 9.31 | ng | # | 100 |
| 59) Diethylphthalate | 15.42 | 149 | 416089 | 8.74 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 15.65 | 204 | 232266 | 9.43 | ng | | 95 |
| 61) 4-Nitroaniline | 15.72 | 138 | 66782 | 6.72 | ng | # | 66 |
| 62) Azobenzene | 15.94 | 77 | 287762 | 4.98 | ng | | 94 |
| 64) 4,6-Dinitro-2-methylphenol | 15.73 | 198 | 59292 | 7.63 | ng | | 77 |
| 65) n-Nitrosodiphenylamine | 15.87 | 169 | 363859 | 9.07 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 16.54 | 248 | 151774 | 9.88 | ng | | 97 |
| 67) Hexachlorobenzene | 16.63 | 284 | 190825 | 11.19 | ng | | 95 |
| 68) Atrazine | 16.81 | 200 | 134491 | 9.17 | ng | | 97 |
| 69) Pentachlorophenol | 16.99 | 266 | 93678 | 12.92 | ng | | 96 |
| 70) Phenanthrene | 17.39 | 178 | 696014 | 9.38 | ng | | 98 |
| 71) Anthracene | 17.49 | 178 | 676946 | 8.94 | ng | | 99 |
| 72) Carbazole | 17.77 | 167 | 605979 | 8.97 | ng | | 98 |
| 73) Di-n-butylphthalate | 18.29 | 149 | 690666 | 8.04 | ng | | 99 |
| 74) Fluoranthene | 19.40 | 202 | 913686 | 9.59 | ng | | 100 |
| 76) Benzidine | 19.60 | 184 | 340514 | 7.65 | ng | | 98 |
| 77) Pyrene | 19.76 | 202 | 979991 | 9.25 | ng | | 99 |
| 79) Butylbenzylphthalate | 20.64 | 149 | 358704 | 8.13 | ng | # | 93 |
| 80) Benzo(a)anthracene | 21.49 | 228 | 960515 | 8.98 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 21.44 | 252 | 379964 | 9.64 | ng | # | 97 |
| 82) Chrysene | 21.55 | 228 | 901268 | 8.98 | ng | | 100 |
| 83) Bis(2-ethylhexyl)phthalate | 21.39 | 149 | 503951 | 7.65 | ng | # | 96 |
| 84) Di-n-octyl phthalate | 22.30 | 149 | 881972 | 7.80 | ng | # | 95 |
| 85) Indeno(1,2,3-cd)pyrene | 26.31 | 276 | 1326774 | 15.69 | ng | # | 100 |
| 87) Benzo(b)fluoranthene | 23.16 | 252 | 1110472 | 8.34 | ng | # | 94 |
| 88) Benzo(k)fluoranthene | 23.20 | 252 | 1093726 | 8.64 | ng | # | 94 |
| 89) Benzo(a)pyrene | 23.78 | 252 | 1058505 | 9.01 | ng | # | 97 |
| 90) Dibenzo(a,h)anthracene | 26.33 | 278 | 1171643 | 11.30 | ng | # | 93 |
| 91) Benzo(g,h,i)perylene | 27.07 | 276 | 1164700 | 12.19 | ng | # | 86 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM051917\
Data File : BM010067.D
Acq On : 19 May 2017 10:24
Operator : SJ/MA
Sample : SSTDICC010
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 19 13:17:23 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM051917.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 19 12:47:58 2017
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

**Manual Integrations APPROVED**
mohammad
5/22/2017 2:40:45 PM