Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031221\
Data File : BM029114.D
Acq On : 12 Mar 2021 16:52
Operator : CG/JU
Sample : M1649-06MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 12 17:34:12 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM022321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 12 12:30:15 2021
Response via : Initial Calibration

**Instrument :** BNA_M
**ClientSampleId :** SP-1-3MS

**Manual Integrations APPROVED**

mohammad

3/15/2021 11:32:00 AM

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.622 | 152 | 9097 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.410 | 136 | 34821 | 20.00 | ng | # 0.00 |
| 39) Acenaphthene-d10 | 14.292 | 164 | 19960 | 20.00 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.045 | 188 | 39644 | 20.00 | ng | 0.00 |
| 76) Chrysene-d12 | 21.221 | 240 | 38899 | 20.00 | ng | # 0.00 |
| 86) Perylene-d12 | 23.362 | 264 | 37462 | 20.00 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.199 | 112 | 63716 | 116.09 | ng | 0.00 |
| 7) Phenol-d6 | 6.822 | 99 | 76315 | 105.28 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 8.798 | 82 | 50164 | 77.72 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.798 | 330 | 26117 | 110.40 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 12.904 | 172 | 108508 | 72.37 | ng | 0.00 |
| 79) Terphenyl-d14 | 19.674 | 244 | 142914 | 67.84 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.052 | 88 | 7889 | 38.23 | ng | # 59 |
| 3) Pyridine | 3.463 | 79 | 21432 | 39.35 | ng | # 31 |
| 4) n-Nitrosodimethylamine | 3.387 | 42 | 16268 | 53.47 | ng | # 44 |
| 6) Aniline | 6.957 | 93 | 18051 | 23.29 | ng | 100 |
| 8) 2-Chlorophenol | 7.187 | 128 | 26258 | 40.28 | ng | 97 |
| 9) Benzaldehyde | 6.775 | 77 | 19489 | 49.33 | ng | # 81 |
| 10) Phenol | 6.845 | 94 | 30964 | 42.98 | ng | 93 |
| 11) bis(2-Chloroethyl)ether | 7.063 | 93 | 21909 | 40.09 | ng | 91 |
| 12) 1,3-Dichlorobenzene | 7.504 | 146 | 28960 | 40.73 | ng | # 93 |
| 13) 1,4-Dichlorobenzene | 7.657 | 146 | 29289 | 40.62 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 7.969 | 146 | 27937 | 40.27 | ng | 97 |
| 15) Benzyl Alcohol | 7.887 | 79 | 22112 | 42.66 | ng | # 89 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.163 | 45 | 38883 | 46.20 | ng | 70 |
| 17) 2-Methylphenol | 8.092 | 107 | 20348 | 41.60 | ng | 93 |
| 18) Hexachloroethane | 8.681 | 117 | 11212 | 42.79 | ng | 93 |
| 19) n-Nitroso-di-n-propyla... | 8.445 | 70 | 17227 | 40.40 | ng | # 46 |
| 20) 3+4-Methylphenols | 8.428 | 107 | 27199 | 41.33 | ng | 94 |
| 22) Acetophenone | 8.457 | 105 | 37304 | 43.93 | ng | # 84 |
| 24) Nitrobenzene | 8.839 | 77 | 27219 | 41.48 | ng | # 88 |
| 25) Isophorone | 9.357 | 82 | 46814 | 41.22 | ng | 95 |
| 26) 2-Nitrophenol | 9.545 | 139 | 13751 | 41.49 | ng | 92 |
| 27) 2,4-Dimethylphenol | 9.616 | 122 | 22914 | 46.07 | ng | 94 |
| 28) bis(2-Chloroethoxy)met... | 9.845 | 93 | 28035 | 43.45 | ng | 98 |
| 29) 2,4-Dichlorophenol | 10.081 | 162 | 23429 | 41.17 | ng | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.275 | 180 | 25642 | 41.09 | ng | 98 |
| 31) Naphthalene | 10.463 | 128 | 76277 | 39.73 | ng | 99 |
| 32) Benzoic acid | 9.769 | 122 | 7545m | 21.16 | ng | |
| 33) 4-Chloroaniline | 10.598 | 127 | 14672 | 19.02 | ng | 97 |
| 34) Hexachlorobutadiene | 10.728 | 225 | 15795 | 42.22 | ng | 97 |
| 35) Caprolactam | 11.416 | 113 | 7044 | 45.25 | ng | # 42 |
| 36) 4-Chloro-3-methylphenol | 11.745 | 107 | 23888 | 41.65 | ng | 92 |
| 37) 2-Methylnaphthalene | 12.086 | 142 | 53336 | 39.49 | ng | 98 |
| 38) 1-Methylnaphthalene | 12.304 | 142 | 49579 | 38.75 | ng | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.463 | 216 | 26419 | 42.33 | ng | 99 |
| 41) Hexachlorocyclopentadiene | 12.422 | 237 | 24501 | 102.99 | ng | 100 |
| 43) 2,4,6-Trichlorophenol | 12.722 | 196 | 17717 | 40.50 | ng | 99 |

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031221\
Data File : BM029114.D
Acq On : 12 Mar 2021 16:52
Operator : CG/JU
Sample : M1649-06MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 12 17:34:12 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM022321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 12 12:30:15 2021
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SP-1-3MS

**Manual Integrations APPROVED**

mohammad

3/15/2021 11:32:00 AM

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.804 | 196 | 19188 | 40.87 | ng | # | 97 |
| 46) 1,1'-Biphenyl | 13.116 | 154 | 66162 | 41.33 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.163 | 162 | 51825 | 39.66 | ng | | 97 |
| 48) 2-Nitroaniline | 13.392 | 65 | 15766 | 44.86 | ng | | 93 |
| 49) Acenaphthylene | 14.016 | 152 | 85500 | 42.60 | ng | | 100 |
| 50) Dimethylphthalate | 13.769 | 163 | 67330 | 44.51 | ng | | 98 |
| 51) 2,6-Dinitrotoluene | 13.898 | 165 | 14167 | 40.17 | ng | | 94 |
| 52) Acenaphthene | 14.357 | 154 | 49710 | 40.39 | ng | | 100 |
| 53) 3-Nitroaniline | 14.233 | 138 | 8143 | 23.70 | ng | | 87 |
| 54) 2,4-Dinitrophenol | 14.463 | 184 | 12632 | 70.02 | ng | | 97 |
| 55) Dibenzofuran | 14.698 | 168 | 76251 | 39.46 | ng | | 98 |
| 56) 4-Nitrophenol | 14.568 | 139 | 22761 | 80.75 | ng | | 90 |
| 57) 2,4-Dinitrotoluene | 14.698 | 165 | 19592 | 42.53 | ng | # | 80 |
| 58) Fluorene | 15.351 | 166 | 60981 | 39.37 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 14.933 | 232 | 15606m | 41.36 | ng | | |
| 60) Diethylphthalate | 15.133 | 149 | 64981 | 42.70 | ng | | 97 |
| 61) 4-Chlorophenyl-phenyle... | 15.345 | 204 | 30262 | 40.95 | ng | | 91 |
| 62) 4-Nitroaniline | 15.404 | 138 | 12903 | 38.84 | ng | | 97 |
| 63) Azobenzene | 15.639 | 77 | 57627 | 41.04 | ng | | 84 |
| 65) 4,6-Dinitro-2-methylph... | 15.468 | 198 | 9191 | 32.92 | ng | # | 69 |
| 66) n-Nitrosodiphenylamine | 15.568 | 169 | 51866 | 38.25 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.239 | 248 | 17669 | 39.72 | ng | # | 92 |
| 68) Hexachlorobenzene | 16.345 | 284 | 19469 | 39.27 | ng | # | 92 |
| 69) Atrazine | 16.527 | 200 | 19819 | 46.97 | ng | | 96 |
| 70) Pentachlorophenol | 16.704 | 266 | 22375 | 84.38 | ng | | 99 |
| 71) Phenanthrene | 17.086 | 178 | 91059 | 38.57 | ng | | 100 |
| 72) Anthracene | 17.174 | 178 | 93822 | 40.12 | ng | | 99 |
| 73) Carbazole | 17.457 | 167 | 85659 | 38.18 | ng | | 98 |
| 74) Di-n-butylphthalate | 18.009 | 149 | 112782 | 44.21 | ng | | 100 |
| 75) Fluoranthene | 19.103 | 202 | 103793 | 40.01 | ng | | 99 |
| 77) Benzidine | 19.303 | 184 | 69199 | 53.98 | ng | | 99 |
| 78) Pyrene | 19.468 | 202 | 107529 | 37.63 | ng | | 100 |
| 80) Butylbenzylphthalate | 20.368 | 149 | 50890 | 41.37 | ng | | 95 |
| 81) Benzo(a)anthracene | 21.209 | 228 | 105512 | 39.08 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 21.145 | 252 | 10010 | 10.73 | ng | # | 94 |
| 83) Chrysene | 21.256 | 228 | 100329 | 38.14 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.133 | 149 | 75216 | 42.49 | ng | # | 95 |
| 85) Di-n-octyl phthalate | 21.986 | 149 | 128353 | 42.73 | ng | # | 88 |
| 87) Indeno(1,2,3-cd)pyrene | 25.497 | 276 | 112234 | 39.70 | ng | # | 91 |
| 88) Benzo(b)fluoranthene | 22.727 | 252 | 102395 | 38.69 | ng | # | 98 |
| 89) Benzo(k)fluoranthene | 22.768 | 252 | 97997 | 38.98 | ng | # | 97 |
| 90) Benzo(a)pyrene | 23.274 | 252 | 89634 | 37.12 | ng | # | 98 |
| 91) Dibenzo(a,h)anthracene | 25.503 | 278 | 96148 | 39.14 | ng | # | 95 |
| 92) Benzo(g,h,i)perylene | 26.150 | 276 | 93008 | 39.21 | ng | # | 94 |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031221\
Data File : BM029114.D
Acq On : 12 Mar 2021 16:52
Operator : CG/JU
Sample : M1649-06MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 12 17:34:12 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM022321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 12 12:30:15 2021
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SP-1-3MS

**Manual Integrations APPROVED**