Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG113018\
Data File : BG038252.D
Acq On : 30 Nov 2018 11:27
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
mohammad
12/3/2018 3:32:55 PM

Quant Time: Nov 30 13:14:21 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG111318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 13 16:39:28 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.08 | 152 | 46114 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.90 | 136 | 210118 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.72 | 164 | 128489 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.47 | 188 | 286499 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.75 | 240 | 266527 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 25.07 | 264 | 281995 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.63 | 112 | 223365 | 83.63 | ng | | 0.00 |
| 7) Phenol-d6 | 7.23 | 99 | 327380 | 85.87 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.26 | 82 | 336306 | 85.68 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.21 | 330 | 119525 | 81.57 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.34 | 172 | 729552 | 82.72 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.07 | 244 | 951031 | 83.96 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.52 | 88 | 45509 | 36.074 | ng | | 97 |
| 3) Pyridine | 3.92 | 79 | 136020 | 37.797 | ng | | 90 |
| 4) n-Nitrosodimethylamine | 3.85 | 42 | 63970 | 48.997 | ng | # | 89 |
| 6) Aniline | 7.41 | 93 | 208637 | 42.401 | ng | | 98 |
| 8) 2-Chlorophenol | 7.64 | 128 | 133103 | 42.949 | ng | | 98 |
| 9) Benzaldehyde | 7.22 | 77 | 104628 | 37.949 | ng | | 97 |
| 10) Phenol | 7.26 | 94 | 173303 | 42.915 | ng | | 94 |
| 11) bis(2-Chloroethyl)ether | 7.50 | 93 | 139837 | 42.416 | ng | | 100 |
| 12) 1,3-Dichlorobenzene | 7.97 | 146 | 146698 | 41.090 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 8.12 | 146 | 147553 | 40.913 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.44 | 146 | 139095 | 40.397 | ng | | 95 |
| 15) Benzyl Alcohol | 8.32 | 79 | 130430 | 47.280 | ng | | 93 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.60 | 45 | 299771 | 48.968 | ng | | 98 |
| 17) 2-Methylphenol | 8.52 | 107 | 119807 | 43.882 | ng | | 97 |
| 18) Hexachloroethane | 9.17 | 117 | 56238 | 42.847 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 8.89 | 70 | 117806 | 42.704 | ng | | 95 |
| 20) 3+4-Methylphenols | 8.85 | 107 | 170266 | 43.993 | ng | | 97 |
| 22) Acetophenone | 8.92 | 105 | 211443 | 40.445 | ng | # | 96 |
| 24) Nitrobenzene | 9.30 | 77 | 173763 | 43.275 | ng | | 98 |
| 25) Isophorone | 9.82 | 82 | 291640 | 41.280 | ng | | 99 |
| 26) 2-Nitrophenol | 10.01 | 139 | 85504 | 42.655 | ng | | 95 |
| 27) 2,4-Dimethylphenol | 10.06 | 122 | 126922 | 42.024 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 10.30 | 93 | 187679 | 41.543 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 10.54 | 162 | 142654 | 41.992 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.76 | 180 | 157145 | 41.280 | ng | | 97 |
| 31) Naphthalene | 10.96 | 128 | 421249 | 40.761 | ng | | 99 |
| 32) Benzoic acid | 10.18 | 122 | 52213m | 32.283 | ng | | |
| 33) 4-Chloroaniline | 11.07 | 127 | 195057 | 40.575 | ng | | 98 |
| 34) Hexachlorobutadiene | 11.21 | 225 | 97056 | 41.425 | ng | | 97 |
| 35) Caprolactam | 11.87 | 113 | 53464 | 39.318 | ng | # | 87 |
| 36) 4-Chloro-3-methylphenol | 12.17 | 107 | 158232 | 42.634 | ng | | 96 |
| 37) 2-Methylnaphthalene | 12.55 | 142 | 300201 | 40.440 | ng | | 97 |
| 38) 1-Methylnaphthalene | 12.77 | 142 | 289939 | 40.576 | ng | | 100 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.91 | 216 | 180416 | 42.020 | ng | | 99 |

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG113018\
Data File : BG038252.D
Acq On : 30 Nov 2018 11:27
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
SSTDCCC040

**Manual Integrations APPROVED**
mohammad
12/3/2018 3:32:55 PM

Quant Time: Nov 30 13:14:21 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG111318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 13 16:39:28 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.88 | 237 | 81543 | 35.468 | ng | | 97 |
| 43) 2,4,6-Trichlorophenol | 13.15 | 196 | 120549 | 41.203 | ng | | 96 |
| 44) 2,4,5-Trichlorophenol | 13.23 | 196 | 121735 | 39.544 | ng | | 98 |
| 46) 1,1'-Biphenyl | 13.55 | 154 | 445899 | 41.308 | ng | | 100 |
| 47) 2-Chloronaphthalene | 13.60 | 162 | 335964 | 40.787 | ng | | 97 |
| 48) 2-Nitroaniline | 13.81 | 65 | 117130 | 45.181 | ng | | 98 |
| 49) Acenaphthylene | 14.45 | 152 | 509196 | 41.108 | ng | | 99 |
| 50) Dimethylphthalate | 14.17 | 163 | 415754 | 40.815 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 14.30 | 165 | 96528 | 41.870 | ng | | 97 |
| 52) Acenaphthene | 14.79 | 154 | 304365 | 40.815 | ng | | 99 |
| 53) 3-Nitroaniline | 14.64 | 138 | 105888 | 41.624 | ng | # | 97 |
| 54) 2,4-Dinitrophenol | 14.84 | 184 | 10773 | 16.937 | ng | # | 82 |
| 55) Dibenzofuran | 15.11 | 168 | 499976 | 40.547 | ng | | 97 |
| 56) 4-Nitrophenol | 14.93 | 139 | 67008 | 34.152 | ng | | 95 |
| 57) 2,4-Dinitrotoluene | 15.09 | 165 | 132339 | 42.190 | ng | | 98 |
| 58) Fluorene | 15.77 | 166 | 373292 | 40.574 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.34 | 232 | 102323 | 39.723 | ng | | 99 |
| 60) Diethylphthalate | 15.52 | 149 | 438588 | 40.537 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 15.75 | 204 | 221324 | 41.113 | ng | | 98 |
| 62) 4-Nitroaniline | 15.80 | 138 | 105333 | 41.680 | ng | | 93 |
| 63) Azobenzene | 16.04 | 77 | 406968 | 42.070 | ng | | 96 |
| 65) 4,6-Dinitro-2-methylphenol | 15.84 | 198 | 37106 | 20.477 | ng | | 94 |
| 66) n-Nitrosodiphenylamine | 15.97 | 169 | 362713 | 41.848 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.65 | 248 | 135567 | 43.111 | ng | | 97 |
| 68) Hexachlorobenzene | 16.76 | 284 | 140899 | 43.409 | ng | | 96 |
| 69) Atrazine | 16.91 | 200 | 133107 | 41.660 | ng | | 97 |
| 70) Pentachlorophenol | 17.11 | 266 | 82054 | 37.222 | ng | | 94 |
| 71) Phenanthrene | 17.51 | 178 | 606200 | 41.327 | ng | | 99 |
| 72) Anthracene | 17.60 | 178 | 598459 | 41.390 | ng | | 99 |
| 73) Carbazole | 17.88 | 167 | 603256 | 41.584 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.41 | 149 | 699845 | 42.976 | ng | | 99 |
| 75) Fluoranthene | 19.52 | 202 | 694839 | 41.519 | ng | | 99 |
| 77) Benzidine | 19.70 | 184 | 372712 | 39.853 | ng | | 99 |
| 78) Pyrene | 19.88 | 202 | 713707 | 40.957 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.75 | 149 | 317885 | 41.714 | ng | | 99 |
| 81) Benzo(a)anthracene | 21.73 | 228 | 667612 | 41.450 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.65 | 252 | 256900 | 40.946 | ng | | 100 |
| 83) Chrysene | 21.80 | 228 | 636685 | 41.315 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.60 | 149 | 461844 | 42.497 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.84 | 149 | 764993 | 43.511 | ng | | 98 |
| 86) Indeno(1,2,3-cd)pyrene | 28.88 | 276 | 643017 | 37.569 | ng | # | 92 |
| 88) Benzo(b)fluoranthene | 24.01 | 252 | 654093 | 42.150 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 24.08 | 252 | 625433 | 40.844 | ng | | 99 |
| 90) Benzo(a)pyrene | 24.92 | 252 | 627898 | 42.338 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 28.95 | 278 | 527442 | 36.963 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 30.09 | 276 | 507545 | 35.772 | ng | | 99 |

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG113018\
Data File : BG038252.D
Acq On : 30 Nov 2018 11:27
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 30 13:14:21 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG111318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 13 16:39:28 2018
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
SSTDCCC040

**Manual Integrations APPROVED**
mohammad
12/3/2018 3:32:55 PM