Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101220\
Data File : BF121917.D
Acq On : 12 Oct 2020 12:34
Operator : JU/CG
Sample : SSTDICCC040
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

**Manual Integrations APPROVED**
mohammad
10/13/2020 11:08:08 AM

Quant Time: Oct 12 13:33:08 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 12 13:28:48 2020
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.745 | 152 | 120662 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.034 | 136 | 444903 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.786 | 164 | 227769 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.275 | 188 | 416683 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.916 | 240 | 318352 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.351 | 264 | 265437 | 20.00 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.363 | 112 | 637753 | 78.55 | ng | | 0.00 |
| 7) Phenol-d6 | 6.398 | 99 | 808703 | 75.92 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.322 | 82 | 681054 | 82.19 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.580 | 330 | 222011 | 78.43 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.110 | 172 | 1160829 | 77.19 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.863 | 244 | 1279122 | 81.40 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.428 | 88 | 141799 | 38.01 | ng | | 98 |
| 3) Pyridine | 3.146 | 79 | 379777 | 36.83 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.110 | 42 | 182431 | 38.14 | ng | | 98 |
| 6) Aniline | 6.416 | 93 | 499537 | 36.01 | ng | # | 89 |
| 8) 2-Chlorophenol | 6.540 | 128 | 321945 | 38.95 | ng | | 95 |
| 9) Benzaldehyde | 6.298 | 77 | 230308 | 33.07 | ng | | 100 |
| 10) Phenol | 6.410 | 94 | 416444 | 36.71 | ng | | 87 |
| 11) bis(2-Chloroethyl)ether | 6.487 | 93 | 329827 | 38.58 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.687 | 146 | 360588 | 39.08 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.763 | 146 | 363499 | 39.24 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 6.922 | 146 | 333370 | 39.06 | ng | | 99 |
| 15) Benzyl Alcohol | 6.898 | 79 | 267635 | 36.97 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.028 | 45 | 507052 | 36.86 | ng | | 89 |
| 17) 2-Methylphenol | 7.016 | 107 | 272221 | 38.70 | ng | | 96 |
| 18) Hexachloroethane | 7.257 | 117 | 133077 | 40.12 | ng | | 98 |
| 19) n-Nitroso-di-n-propyla... | 7.169 | 70 | 227974 | 37.14 | ng | | 99 |
| 20) 3+4-Methylphenols | 7.169 | 107 | 323557 | 38.29 | ng | | 99 |
| 22) Acetophenone | 7.163 | 105 | 437339 | 38.74 | ng | | 95 |
| 24) Nitrobenzene | 7.339 | 77 | 364206 | 40.64 | ng | | 98 |
| 25) Isophorone | 7.581 | 82 | 636125 | 38.14 | ng | | 99 |
| 26) 2-Nitrophenol | 7.651 | 139 | 172655 | 45.00 | ng | | 94 |
| 27) 2,4-Dimethylphenol | 7.698 | 122 | 284056 | 38.15 | ng | | 100 |
| 28) bis(2-Chloroethoxy)met... | 7.786 | 93 | 401911 | 38.92 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.898 | 162 | 268948 | 39.66 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 7.975 | 180 | 282923 | 39.61 | ng | | 98 |
| 31) Naphthalene | 8.057 | 128 | 919543 | 39.15 | ng | | 100 |
| 32) Benzoic acid | 7.845 | 122 | 150225 | 30.57 | ng | | 96 |
| 33) 4-Chloroaniline | 8.110 | 127 | 397962 | 39.09 | ng | | 100 |
| 34) Hexachlorobutadiene | 8.169 | 225 | 171446 | 40.90 | ng | | 99 |
| 35) Caprolactam | 8.492 | 113 | 84609m | 37.46 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.598 | 107 | 285857 | 39.13 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.745 | 142 | 596183 | 38.74 | ng | | 98 |
| 38) 1-Methylnaphthalene | 8.845 | 142 | 548946 | 38.32 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 8.916 | 216 | 285904 | 40.18 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 8.898 | 237 | 59043 | 14.53 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 9.033 | 196 | 178537 | 36.82 | ng | | 98 |

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101220\
Data File : BF121917.D
Acq On : 12 Oct 2020 12:34
Operator : JU/CG
Sample : SSTDICCC040
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

**Manual Integrations APPROVED**
mohammad
10/13/2020 11:08:08 AM

Quant Time: Oct 12 13:33:08 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 12 13:28:48 2020
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.075 | 196 | 192145 | 37.48 | ng | | 98 |
| 46) 1,1'-Biphenyl | 9.210 | 154 | 710575 | 38.97 | ng | | 100 |
| 47) 2-Chloronaphthalene | 9.239 | 162 | 562571 | 39.15 | ng | | 98 |
| 48) 2-Nitroaniline | 9.339 | 65 | 187110 | 41.90 | ng | | 99 |
| 49) Acenaphthylene | 9.651 | 152 | 851861 | 38.58 | ng | | 100 |
| 50) Dimethylphthalate | 9.516 | 163 | 646533 | 39.16 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.581 | 165 | 146224 | 41.59 | ng | | 95 |
| 52) Acenaphthene | 9.822 | 154 | 503556 | 36.11 | ng | | 98 |
| 53) 3-Nitroaniline | 9.751 | 138 | 161548 | 39.67 | ng | | 100 |
| 54) 2,4-Dinitrophenol | 9.869 | 184 | 60214 | 38.01 | ng | | 95 |
| 55) Dibenzofuran | 9.992 | 168 | 738033 | 37.58 | ng | | 98 |
| 56) 4-Nitrophenol | 9.928 | 139 | 90856 | 27.97 | ng | | 91 |
| 57) 2,4-Dinitrotoluene | 9.986 | 165 | 176787 | 39.97 | ng | # | 86 |
| 58) Fluorene | 10.339 | 166 | 592101 | 39.43 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.122 | 232 | 154008 | 36.95 | ng | | 100 |
| 60) Diethylphthalate | 10.210 | 149 | 623276 | 38.72 | ng | | 98 |
| 61) 4-Chlorophenyl-phenyle... | 10.328 | 204 | 284249 | 39.51 | ng | | 96 |
| 62) 4-Nitroaniline | 10.369 | 138 | 162535 | 40.19 | ng | | 97 |
| 63) Azobenzene | 10.486 | 77 | 664297 | 38.76 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.404 | 198 | 103266 | 45.45 | ng | | 96 |
| 66) n-Nitrosodiphenylamine | 10.451 | 169 | 550775 | 38.53 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.816 | 248 | 188959 | 39.83 | ng | | 96 |
| 68) Hexachlorobenzene | 10.886 | 284 | 211461 | 39.50 | ng | | 97 |
| 69) Atrazine | 10.980 | 200 | 138668 | 39.04 | ng | | 97 |
| 70) Pentachlorophenol | 11.086 | 266 | 68834 | 23.41 | ng | | 96 |
| 71) Phenanthrene | 11.298 | 178 | 874049 | 38.50 | ng | | 99 |
| 72) Anthracene | 11.351 | 178 | 906917 | 38.71 | ng | | 99 |
| 73) Carbazole | 11.510 | 167 | 813011 | 38.46 | ng | | 100 |
| 74) Di-n-butylphthalate | 11.833 | 149 | 949933 | 38.93 | ng | | 100 |
| 75) Fluoranthene | 12.486 | 202 | 943426 | 38.93 | ng | | 99 |
| 77) Benzidine | 12.610 | 184 | 374940 | 35.53 | ng | | 100 |
| 78) Pyrene | 12.716 | 202 | 946489 | 40.69 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.333 | 149 | 387111 | 41.15 | ng | | 98 |
| 81) Benzo(a)anthracene | 13.910 | 228 | 811696 | 40.30 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.868 | 252 | 311081 | 39.56 | ng | | 99 |
| 83) Chrysene | 13.945 | 228 | 811029 | 39.77 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 13.892 | 149 | 525754 | 41.84 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.504 | 149 | 850941 | 38.37 | ng | | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 16.774 | 276 | 677341 | 39.18 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 14.945 | 252 | 748378 | 42.17 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 14.974 | 252 | 699708 | 43.06 | ng | | 100 |
| 90) Benzo(a)pyrene | 15.298 | 252 | 639590 | 42.40 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 16.780 | 278 | 561184 | 39.00 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.198 | 276 | 558319 | 39.47 | ng | | 99 |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101220\
Data File : BF121917.D
Acq On : 12 Oct 2020 12:34
Operator : JU/CG
Sample : SSTDICCC040
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 12 13:33:08 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 12 13:28:48 2020
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

**Manual Integrations APPROVED**
mohammad
10/13/2020 11:08:08 AM