Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081420\
Data File : BF121290.D
Acq On : 14 Aug 2020 17:46
Operator : JU/CG
Sample : PB130964BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB130964BS

Manual Integrations APPROVED
mohammad
8/18/2020 1:42:03 PM

Quant Time: Aug 14 18:19:04 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 13 15:23:26 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.70 | 152 | 67303 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 7.99 | 136 | 266433 | 20.00 | ng | | -0.01 |
| 39) Acenaphthene-d10 | 9.75 | 164 | 141954 | 20.00 | ng | | -0.01 |
| 64) Phenanthrene-d10 | 11.23 | 188 | 288312 | 20.00 | ng | | -0.01 |
| 76) Chrysene-d12 | 13.86 | 240 | 264486 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 15.27 | 264 | 310930 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.30 | 112 | 478887 | 107.87 | ng | | 0.00 |
| 7) Phenol-d6 | 6.35 | 99 | 571750 | 99.94 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 7.27 | 82 | 363826 | 74.63 | ng | | -0.02 |
| 42) 2,4,6-Tribromophenol | 10.53 | 330 | 187769 | 107.44 | ng | | -0.01 |
| 45) 2-Fluorobiphenyl | 9.07 | 172 | 729434 | 71.08 | ng | | -0.01 |
| 79) Terphenyl-d14 | 12.81 | 244 | 875518 | 64.53 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.29 | 88 | 68606 | 36.315 | ng | | 98 |
| 3) Pyridine | 3.00 | 79 | 154676 | 31.452 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 2.94 | 42 | 88809 | 44.094 | ng | | 97 |
| 6) Aniline | 6.36 | 93 | 253588 | 37.394 | ng | | 99 |
| 8) 2-Chlorophenol | 6.49 | 128 | 203108 | 41.607 | ng | | 99 |
| 9) Benzaldehyde | 6.25 | 77 | 124676 | 42.291 | ng | | 99 |
| 10) Phenol | 6.36 | 94 | 258351 | 41.631 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 6.44 | 93 | 190916 | 42.620 | ng | | 96 |
| 12) 1,3-Dichlorobenzene | 6.65 | 146 | 207886 | 40.304 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.72 | 146 | 209769 | 40.237 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.87 | 146 | 201142 | 40.880 | ng | | 100 |
| 15) Benzyl Alcohol | 6.85 | 79 | 159729 | 41.682 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.99 | 45 | 267079 | 41.406 | ng | | 98 |
| 17) 2-Methylphenol | 6.97 | 107 | 165984 | 43.046 | ng | | 98 |
| 18) Hexachloroethane | 7.22 | 117 | 76667 | 41.585 | ng | | 98 |
| 19) n-Nitroso-di-n-propylamine | 7.12 | 70 | 128281 | 40.359 | ng | | 97 |
| 20) 3+4-Methylphenols | 7.12 | 107 | 200840 | 41.053 | ng | # | 84 |
| 22) Acetophenone | 7.12 | 105 | 266629 | 38.854 | ng | # | 98 |
| 24) Nitrobenzene | 7.29 | 77 | 204940 | 38.743 | ng | | 94 |
| 25) Isophorone | 7.53 | 82 | 372804 | 38.089 | ng | | 96 |
| 26) 2-Nitrophenol | 7.61 | 139 | 106315 | 41.481 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 7.65 | 122 | 178387 | 43.440 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 7.75 | 93 | 238835 | 43.626 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 7.85 | 162 | 166631 | 39.680 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 7.93 | 180 | 178570 | 38.528 | ng | | 99 |
| 31) Naphthalene | 8.01 | 128 | 572465 | 38.191 | ng | | 100 |
| 32) Benzoic acid | 7.76 | 122 | 66312 | 32.167 | ng | | 97 |
| 33) 4-Chloroaniline | 8.06 | 127 | 209059 | 34.176 | ng | | 100 |
| 34) Hexachlorobutadiene | 8.13 | 225 | 103697 | 36.978 | ng | | 98 |
| 35) Caprolactam | 8.42 | 113 | 55834m | 44.142 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.55 | 107 | 176101 | 41.103 | ng | | 97 |
| 37) 2-Methylnaphthalene | 8.70 | 142 | 383955 | 38.926 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.80 | 142 | 368384 | 39.444 | ng | | 100 |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.87 | 216 | 182135 | 38.292 | ng | | 99 |

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081420\
Data File : BF121290.D
Acq On : 14 Aug 2020 17:46
Operator : JU/CG
Sample : PB130964BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB130964BS

Manual Integrations APPROVED
mohammad
8/18/2020 1:42:03 PM

Quant Time: Aug 14 18:19:04 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 13 15:23:26 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 8.86 | 237 | 159800 | 78.274 | ng | | 100 |
| 43) 2,4,6-Trichlorophenol | 8.99 | 196 | 119797 | 39.602 | ng | | 98 |
| 44) 2,4,5-Trichlorophenol | 9.03 | 196 | 131244 | 39.945 | ng | | 96 |
| 46) 1,1'-Biphenyl | 9.17 | 154 | 476065 | 38.813 | ng | | 98 |
| 47) 2-Chloronaphthalene | 9.19 | 162 | 364313 | 38.585 | ng | | 100 |
| 48) 2-Nitroaniline | 9.29 | 65 | 110657 | 41.695 | ng | | 98 |
| 49) Acenaphthylene | 9.60 | 152 | 590280 | 39.361 | ng | | 99 |
| 50) Dimethylphthalate | 9.47 | 163 | 435507 | 40.771 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.53 | 165 | 96946 | 40.714 | ng | | 94 |
| 52) Acenaphthene | 9.77 | 154 | 340313 | 38.328 | ng | | 100 |
| 53) 3-Nitroaniline | 9.70 | 138 | 88688 | 32.621 | ng | | 99 |
| 54) 2,4-Dinitrophenol | 9.81 | 184 | 79658 | 65.994 | ng | # | 81 |
| 55) Dibenzofuran | 9.95 | 168 | 533327 | 37.719 | ng | | 98 |
| 56) 4-Nitrophenol | 9.87 | 139 | 163354 | 93.104 | ng | | 93 |
| 57) 2,4-Dinitrotoluene | 9.94 | 165 | 131248 | 42.001 | ng | | 98 |
| 58) Fluorene | 10.29 | 166 | 406474 | 37.977 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.07 | 232 | 112250 | 43.209 | ng | | 99 |
| 60) Diethylphthalate | 10.17 | 149 | 444494 | 40.921 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 10.29 | 204 | 199948 | 38.410 | ng | | 98 |
| 62) 4-Nitroaniline | 10.31 | 138 | 117154 | 42.979 | ng | | 97 |
| 63) Azobenzene | 10.45 | 77 | 423973 | 39.064 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylphenol | 10.35 | 198 | 66442 | 38.533 | ng | | 98 |
| 66) n-Nitrosodiphenylamine | 10.40 | 169 | 381429 | 38.583 | ng | | 100 |
| 67) 4-Bromophenyl-phenylether | 10.77 | 248 | 130056 | 38.672 | ng | | 97 |
| 68) Hexachlorobenzene | 10.84 | 284 | 147689 | 38.511 | ng | | 98 |
| 69) Atrazine | 10.93 | 200 | 110407 | 37.338 | ng | | 97 |
| 70) Pentachlorophenol | 11.04 | 266 | 152357 | 88.498 | ng | | 99 |
| 71) Phenanthrene | 11.25 | 178 | 635496 | 38.529 | ng | | 100 |
| 72) Anthracene | 11.30 | 178 | 660786 | 39.922 | ng | | 100 |
| 73) Carbazole | 11.46 | 167 | 628080 | 38.800 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.79 | 149 | 756044 | 41.378 | ng | | 100 |
| 75) Fluoranthene | 12.44 | 202 | 753043 | 41.002 | ng | | 99 |
| 77) Benzidine | 12.56 | 184 | 494574 | 71.131 | ng | | 99 |
| 78) Pyrene | 12.66 | 202 | 776793 | 39.440 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.29 | 149 | 347315 | 43.171 | ng | | 99 |
| 81) Benzo(a)anthracene | 13.85 | 228 | 693772 | 38.674 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 13.82 | 252 | 220219 | 30.941 | ng | | 99 |
| 83) Chrysene | 13.89 | 228 | 729899 | 39.852 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 13.85 | 149 | 444507 | 40.086 | ng | | 100 |
| 85) Di-n-octyl phthalate | 14.46 | 149 | 887868 | 43.670 | ng | | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 16.64 | 276 | 962681 | 41.643 | ng | | 100 |
| 88) Benzo(b)fluoranthene | 14.87 | 252 | 789521 | 37.897 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 14.90 | 252 | 754157 | 38.982 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.22 | 252 | 734649 | 39.069 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 16.66 | 278 | 792888 | 40.028 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.06 | 276 | 827671 | 42.341 | ng | | 99 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081420\
Data File : BF121290.D
Acq On : 14 Aug 2020 17:46
Operator : JU/CG
Sample : PB130964BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 14 18:19:04 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 13 15:23:26 2020
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
PB130964BS

**Manual Integrations APPROVED**
mohammad
8/18/2020 1:42:03 PM