Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112020\
Data File : BF122411.D
Acq On : 20 Nov 2020 19:17
Operator : JU/CG
Sample : L4832-01MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
R-LA-33-2-WCMSD

**Manual Integrations APPROVED**
mohammad
11/23/2020 1:30:27 PM

Quant Time: Nov 20 23:54:04 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 20 13:27:02 2020
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.863 | 152 | 209346 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.151 | 136 | 827064 | 20.00 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.910 | 164 | 456562 | 20.00 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.398 | 188 | 884151 | 20.00 | ng | 0.00 |
| 76) Chrysene-d12 | 14.051 | 240 | 793713 | 20.00 | ng | 0.00 |
| 86) Perylene-d12 | 15.527 | 264 | 874949 | 20.00 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.487 | 112 | 1203488 | 88.27 | ng | 0.00 |
| 7) Phenol-d6 | 6.504 | 99 | 1524795 | 85.49 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.428 | 82 | 953974 | 70.61 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.704 | 330 | 509914 | 104.06 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.234 | 172 | 1769648 | 60.56 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.986 | 244 | 2046351 | 54.62 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.658 | 88 | 243789 | 38.99 | ng | 89 |
| 3) Pyridine | 3.405 | 79 | 711796 | 41.39 | ng | 88 |
| 4) n-Nitrosodimethylamine | 3.357 | 42 | 323259 | 39.88 | ng | 87 |
| 6) Aniline | 6.528 | 93 | 510187 | 21.80 | ng | 96 |
| 8) 2-Chlorophenol | 6.651 | 128 | 712326 | 50.38 | ng | 91 |
| 9) Benzaldehyde | 6.410 | 77 | 103100 | 7.72 | ng | 95 |
| 10) Phenol | 6.516 | 94 | 903504 | 51.44 | ng | 86 |
| 11) bis(2-Chloroethyl)ether | 6.598 | 93 | 667022 | 47.78 | ng | 93 |
| 12) 1,3-Dichlorobenzene | 6.804 | 146 | 760231 | 47.36 | ng | 98 |
| 13) 1,4-Dichlorobenzene | 6.881 | 146 | 766231 | 47.52 | ng | 98 |
| 14) 1,2-Dichlorobenzene | 7.034 | 146 | 730980 | 48.58 | ng | 98 |
| 15) Benzyl Alcohol | 7.010 | 79 | 603105 | 47.56 | ng | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.140 | 45 | 893248 | 43.90 | ng | 95 |
| 17) 2-Methylphenol | 7.122 | 107 | 573175 | 48.57 | ng | 99 |
| 18) Hexachloroethane | 7.381 | 117 | 270387 | 48.15 | ng | 96 |
| 19) n-Nitroso-di-n-propyla... | 7.281 | 70 | 475309 | 44.60 | ng | 93 |
| 20) 3+4-Methylphenols | 7.275 | 107 | 688862 | 47.43 | ng | 97 |
| 22) Acetophenone | 7.275 | 105 | 898427 | 41.70 | ng | 93 |
| 24) Nitrobenzene | 7.445 | 77 | 734619 | 47.53 | ng | 97 |
| 25) Isophorone | 7.692 | 82 | 1314188 | 43.63 | ng | 95 |
| 26) 2-Nitrophenol | 7.769 | 139 | 366942 | 53.73 | ng | 94 |
| 27) 2,4-Dimethylphenol | 7.810 | 122 | 629074 | 44.28 | ng | 97 |
| 28) bis(2-Chloroethoxy)met... | 7.898 | 93 | 830972 | 45.11 | ng | 99 |
| 29) 2,4-Dichlorophenol | 8.010 | 162 | 619831 | 49.28 | ng | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.092 | 180 | 639262 | 46.05 | ng | 97 |
| 31) Naphthalene | 8.175 | 128 | 1980727 | 45.05 | ng | 99 |
| 32) Benzoic acid | 7.916 | 122 | 242650 | 33.70 | ng | 98 |
| 33) 4-Chloroaniline | 8.222 | 127 | 247021 | 12.90 | ng | 94 |
| 34) Hexachlorobutadiene | 8.292 | 225 | 378584 | 47.45 | ng | 98 |
| 35) Caprolactam | 8.592 | 113 | 190263m | 47.73 | ng | |
| 36) 4-Chloro-3-methylphenol | 8.716 | 107 | 644131 | 49.10 | ng | 93 |
| 37) 2-Methylnaphthalene | 8.869 | 142 | 1354728 | 46.63 | ng | 99 |
| 38) 1-Methylnaphthalene | 8.969 | 142 | 1259237 | 46.31 | ng | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 9.034 | 216 | 632667 | 44.97 | ng | 99 |
| 41) Hexachlorocyclopentadiene | 9.022 | 237 | 753938 | 91.65 | ng | 98 |
| 43) 2,4,6-Trichlorophenol | 9.145 | 196 | 450123 | 49.26 | ng | 100 |

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112020\
Data File : BF122411.D
Acq On : 20 Nov 2020 19:17
Operator : JU/CG
Sample : L4832-01MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
R-LA-33-2-WCMSD

**Manual Integrations APPROVED**
mohammad
11/23/2020 1:30:27 PM

Quant Time: Nov 20 23:54:04 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 20 13:27:02 2020
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.192 | 196 | 488457 | 51.00 | ng | | 97 |
| 46) 1,1'-Biphenyl | 9.334 | 154 | 1618896 | 44.55 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.357 | 162 | 1287187 | 44.63 | ng | | 99 |
| 48) 2-Nitroaniline | 9.451 | 65 | 396774 | 46.37 | ng | | 92 |
| 49) Acenaphthylene | 9.775 | 152 | 2027353 | 45.73 | ng | | 98 |
| 50) Dimethylphthalate | 9.639 | 163 | 1717476 | 52.92 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.692 | 165 | 362355 | 50.00 | ng | | 92 |
| 52) Acenaphthene | 9.945 | 154 | 1352660 | 49.30 | ng | | 100 |
| 53) 3-Nitroaniline | 9.863 | 138 | 198790 | 25.93 | ng | | 91 |
| 54) 2,4-Dinitrophenol | 9.969 | 184 | 258588 | 83.18 | ng | | 93 |
| 55) Dibenzofuran | 10.122 | 168 | 1867034 | 46.44 | ng | | 98 |
| 56) 4-Nitrophenol | 10.033 | 139 | 629533 | 88.33 | ng | | 94 |
| 57) 2,4-Dinitrotoluene | 10.098 | 165 | 494122 | 53.68 | ng | # | 88 |
| 58) Fluorene | 10.463 | 166 | 1409307 | 45.78 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.239 | 232 | 415278 | 52.14 | ng | | 98 |
| 60) Diethylphthalate | 10.339 | 149 | 1524592 | 47.89 | ng | | 98 |
| 61) 4-Chlorophenyl-phenyle... | 10.451 | 204 | 689057 | 47.41 | ng | | 95 |
| 62) 4-Nitroaniline | 10.481 | 138 | 380206 | 47.30 | ng | | 99 |
| 63) Azobenzene | 10.616 | 77 | 1442245 | 43.18 | ng | | 94 |
| 65) 4,6-Dinitro-2-methylph... | 10.510 | 198 | 221276 | 54.75 | ng | | 82 |
| 66) n-Nitrosodiphenylamine | 10.575 | 169 | 1320079 | 43.82 | ng | | 95 |
| 67) 4-Bromophenyl-phenylether | 10.945 | 248 | 483738 | 46.56 | ng | | 97 |
| 68) Hexachlorobenzene | 11.010 | 284 | 535282 | 47.68 | ng | | 97 |
| 69) Atrazine | 11.104 | 200 | 385662 | 51.41 | ng | | 96 |
| 70) Pentachlorophenol | 11.204 | 266 | 580270 | 89.72 | ng | | 98 |
| 71) Phenanthrene | 11.428 | 178 | 2232255 | 44.50 | ng | | 99 |
| 72) Anthracene | 11.480 | 178 | 2276522 | 44.03 | ng | | 99 |
| 73) Carbazole | 11.633 | 167 | 2070820 | 44.03 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.963 | 149 | 2364304 | 47.15 | ng | | 99 |
| 75) Fluoranthene | 12.616 | 202 | 2439514 | 46.58 | ng | | 98 |
| 77) Benzidine | 12.739 | 184 | 987721 | 44.87 | ng | | 99 |
| 78) Pyrene | 12.845 | 202 | 2459154 | 44.10 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.469 | 149 | 1073597 | 48.01 | ng | | 94 |
| 81) Benzo(a)anthracene | 14.039 | 228 | 2236718 | 45.31 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.998 | 252 | 450419 | 24.49 | ng | | 99 |
| 83) Chrysene | 14.074 | 228 | 2272013 | 45.70 | ng | | 97 |
| 84) Bis(2-ethylhexyl)phtha... | 14.027 | 149 | 1360560 | 50.60 | ng | | 98 |
| 85) Di-n-octyl phthalate | 14.645 | 149 | 2527425 | 55.47 | ng | | 96 |
| 87) Indeno(1,2,3-cd)pyrene | 17.015 | 276 | 2632086 | 50.13 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 15.098 | 252 | 2775071 | 48.97 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.133 | 252 | 2143778 | 38.80 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.468 | 252 | 2247202 | 45.49 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 17.039 | 278 | 2118167 | 48.17 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.468 | 276 | 2157146 | 50.44 | ng | | 97 |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112020\
Data File : BF122411.D
Acq On : 20 Nov 2020 19:17
Operator : JU/CG
Sample : L4832-01MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 20 23:54:04 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 20 13:27:02 2020
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
R-LA-33-2-WCMSD

**Manual Integrations APPROVED**
mohammad
11/23/2020 1:30:27 PM