Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121821\
Data File : BF126257.D
Acq On : 18 Dec 2021 16:42
Operator : JU/CG
Sample : M5082-02MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 20 08:03:02 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 16 12:22:48 2021
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
SASP2-121-1(55-62)MSD

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 12/20/2021
Supervised By :mohammad ahmed 12/29/2021

12/20/2021
Supervised By :mohammad ahmed

12/29/2021

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.816 | 152 | 229758 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.104 | 136 | 1010066 | 20.000 | ng | # | 0.00 |
| 39) Acenaphthene-d10 | 9.857 | 164 | 471115 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.339 | 188 | 753292 | 20.000 | ng | # | 0.00 |
| 76) Chrysene-d12 | 13.980 | 240 | 393768 | 20.000 | ng | # | 0.01 |
| 86) Perylene-d12 | 15.421 | 264 | 374210 | 20.000 | ng | | 0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.440 | 112 | 1577380 | 101.103 | ng | | 0.02 |
| 7) Phenol-d6 | 6.451 | 99 | 2086378 | 105.319 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.381 | 82 | 1363180 | 73.093 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.651 | 330 | 410416 | 108.401 | ng | | 0.01 |
| 45) 2-Fluorobiphenyl | 9.180 | 172 | 1778047 | 66.194 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.927 | 244 | 1524178 | 67.278 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.657 | 88 | 332527 | 43.663 | ng | # | 100 |
| 3) Pyridine | 3.381 | 79 | 761458 | 37.650 | ng | # | 79 |
| 4) n-Nitrosodimethylamine | 3.340 | 42 | 383705 | 49.364 | ng | # | 1 |
| 6) Aniline | 6.481 | 93 | 1079546 | 42.902 | ng | | 96 |
| 8) 2-Chlorophenol | 6.604 | 128 | 809186 | 51.145 | ng | | 90 |
| 9) Benzaldehyde | 6.363 | 77 | 587150 | 49.117 | ng | | 95 |
| 10) Phenol | 6.463 | 94 | 1074798 | 48.334 | ng | | 94 |
| 11) bis(2-Chloroethyl)ether | 6.557 | 93 | 832888 | 48.253 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.757 | 146 | 723527 | 45.335 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 6.834 | 146 | 727608 | 45.146 | ng | | 95 |
| 14) 1,2-Dichlorobenzene | 6.986 | 146 | 718515 | 48.217 | ng | | 95 |
| 15) Benzyl Alcohol | 6.963 | 79 | 725654 | 50.177 | ng | | 94 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.098 | 45 | 1370496 | 48.519 | ng | | 94 |
| 17) 2-Methylphenol | 7.075 | 107 | 690633 | 49.829 | ng | | 98 |
| 18) Hexachloroethane | 7.334 | 117 | 300664 | 47.427 | ng | | 95 |
| 19) n-Nitroso-di-n-propyla... | 7.239 | 70 | 565088 | 46.466 | ng | # | 71 |
| 20) 3+4-Methylphenols | 7.228 | 107 | 729401 | 44.515 | ng | # | 84 |
| 22) Acetophenone | 7.234 | 105 | 1028970 | 44.264 | ng | | 96 |
| 24) Nitrobenzene | 7.398 | 77 | 884248 | 47.495 | ng | | 90 |
| 25) Isophorone | 7.645 | 82 | 1675371 | 47.571 | ng | # | 88 |
| 26) 2-Nitrophenol | 7.716 | 139 | 426622 | 50.831 | ng | # | 82 |
| 27) 2,4-Dimethylphenol | 7.757 | 122 | 764651 | 53.648 | ng | | 97 |
| 28) bis(2-Chloroethoxy)met... | 7.851 | 93 | 1055619 | 45.589 | ng | # | 97 |
| 29) 2,4-Dichlorophenol | 7.957 | 162 | 596606 | 47.090 | ng | | 92 |
| 30) 1,2,4-Trichlorobenzene | 8.045 | 180 | 583998 | 44.563 | ng | | 99 |
| 31) Naphthalene | 8.122 | 128 | 2161286 | 45.755 | ng | | 99 |
| 32) Benzoic acid | 7.892 | 122 | 587522 | 47.847 | ng | | 95 |
| 33) 4-Chloroaniline | 8.169 | 127 | 552243 | 28.000 | ng | | 96 |
| 34) Hexachlorobutadiene | 8.245 | 225 | 277496 | 43.115 | ng | | 99 |
| 35) Caprolactam | 8.551 | 113 | 239202m | 75.969 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.657 | 107 | 715165 | 47.853 | ng | | 89 |
| 37) 2-Methylnaphthalene | 8.816 | 142 | 1374813 | 47.261 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.916 | 142 | 1269443 | 44.967 | ng | | 96 |
| 40) 1,2,4,5-Tetrachloroben... | 8.986 | 216 | 436419 | 42.921 | ng | # | 96 |
| 41) Hexachlorocyclopentadiene | 8.975 | 237 | 540774 | 92.874 | ng | | 93 |
| 43) 2,4,6-Trichlorophenol | 9.092 | 196 | 370420 | 46.311 | ng | | 94 |

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121821\
Data File : BF126257.D
Acq On : 18 Dec 2021 16:42
Operator : JU/CG
Sample : M5082-02MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 20 08:03:02 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 16 12:22:48 2021
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
SASP2-121-1(55-62)MSD

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 12/20/2021
Supervised By :mohammad ahmed 12/29/2021

12/20/2021
Supervised By :mohammad ahmed

12/29/2021

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.133 | 196 | 372442 | 44.964 | ng | | 94 |
| 46) 1,1'-Biphenyl | 9.280 | 154 | 1566034 | 44.956 | ng | | 96 |
| 47) 2-Chloronaphthalene | 9.304 | 162 | 1170630 | 44.665 | ng | | 97 |
| 48) 2-Nitroaniline | 9.398 | 65 | 471064 | 49.242 | ng | | 89 |
| 49) Acenaphthylene | 9.722 | 152 | 1821461 | 45.482 | ng | | 97 |
| 50) Dimethylphthalate | 9.586 | 163 | 1355747 | 45.429 | ng | | 98 |
| 51) 2,6-Dinitrotoluene | 9.645 | 165 | 312322 | 48.352 | ng | # | 87 |
| 52) Acenaphthene | 9.892 | 154 | 1286155 | 49.522 | ng | | 100 |
| 53) 3-Nitroaniline | 9.810 | 138 | 270891 | 32.995 | ng | # | 75 |
| 54) 2,4-Dinitrophenol | 9.916 | 184 | 309232 | 116.269 | ng | # | 82 |
| 55) Dibenzofuran | 10.069 | 168 | 1523682 | 43.090 | ng | | 98 |
| 56) 4-Nitrophenol | 9.975 | 139 | 608619 | 102.629 | ng | # | 78 |
| 57) 2,4-Dinitrotoluene | 10.051 | 165 | 417626 | 50.685 | ng | # | 96 |
| 58) Fluorene | 10.410 | 166 | 1081016 | 42.229 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.180 | 232 | 283190 | 46.110 | ng | # | 99 |
| 60) Diethylphthalate | 10.286 | 149 | 1333658 | 44.469 | ng | | 98 |
| 61) 4-Chlorophenyl-phenyle... | 10.398 | 204 | 475594 | 41.263 | ng | | 98 |
| 62) 4-Nitroaniline | 10.427 | 138 | 375801 | 54.566 | ng | # | 73 |
| 63) Azobenzene | 10.563 | 77 | 1639883 | 45.144 | ng | | 84 |
| 65) 4,6-Dinitro-2-methylph... | 10.457 | 198 | 196706 | 47.820 | ng | | 89 |
| 66) n-Nitrosodiphenylamine | 10.522 | 169 | 1046752 | 43.298 | ng | | 96 |
| 67) 4-Bromophenyl-phenylether | 10.892 | 248 | 314643 | 44.505 | ng | | 97 |
| 68) Hexachlorobenzene | 10.957 | 284 | 370630 | 45.582 | ng | # | 85 |
| 69) Atrazine | 11.051 | 200 | 324621 | 73.271 | ng | | 96 |
| 70) Pentachlorophenol | 11.151 | 266 | 384012 | 85.130 | ng | | 91 |
| 71) Phenanthrene | 11.369 | 178 | 1687829 | 43.411 | ng | | 97 |
| 72) Anthracene | 11.422 | 178 | 1713267 | 43.903 | ng | | 98 |
| 73) Carbazole | 11.574 | 167 | 1595966 | 43.427 | ng | | 100 |
| 74) Di-n-butylphthalate | 11.910 | 149 | 1992890 | 42.776 | ng | | 100 |
| 75) Fluoranthene | 12.557 | 202 | 1580834 | 45.128 | ng | | 93 |
| 77) Benzidine | 12.674 | 184 | 854898 | 137.710 | ng | | 98 |
| 78) Pyrene | 12.780 | 202 | 1596092 | 44.120 | ng | | 96 |
| 80) Butylbenzylphthalate | 13.404 | 149 | 801477 | 47.080 | ng | # | 80 |
| 81) Benzo(a)anthracene | 13.968 | 228 | 977756 | 41.919 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 13.927 | 252 | 310277 | 29.118 | ng | # | 96 |
| 83) Chrysene | 14.004 | 228 | 1108930 | 45.759 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phtha... | 13.968 | 149 | 875557 | 46.025 | ng | | 100 |
| 85) Di-n-octyl phthalate | 14.574 | 149 | 1683021 | 49.629 | ng | | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 16.856 | 276 | 1135907 | 45.509 | ng | # | 92 |
| 88) Benzo(b)fluoranthene | 15.004 | 252 | 1158634m | 51.530 | ng | | |
| 89) Benzo(k)fluoranthene | 15.039 | 252 | 977600 | 45.450 | ng | # | 96 |
| 90) Benzo(a)pyrene | 15.362 | 252 | 1033709 | 55.316 | ng | # | 95 |
| 91) Dibenzo(a,h)anthracene | 16.880 | 278 | 956663 | 47.149 | ng | | 96 |
| 92) Benzo(g,h,i)perylene | 17.292 | 276 | 973379 | 46.366 | ng | | 92 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121821\
Data File : BF126257.D
Acq On : 18 Dec 2021 16:42
Operator : JU/CG
Sample : M5082-02MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 20 08:03:02 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 16 12:22:48 2021
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
SASP2-121-1(55-62)MSD

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 12/20/2021
Supervised By :mohammad ahmed 12/29/2021

12/20/2021
Supervised By :mohammad ahmed

12/29/2021