Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061021\
Data File : BF124229.D
Acq On : 10 Jun 2021 12:45
Operator : JU/CG
Sample : PB136974BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB136974BS

**Manual Integrations APPROVED**
mohammad
6/11/2021 2:10:46 PM

Quant Time: Jun 10 13:09:36 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 10 01:53:56 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.851 | 152 | 44210 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.133 | 136 | 169712 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.892 | 164 | 101766 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.380 | 188 | 184353 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.021 | 240 | 116678 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.498 | 264 | 86975 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.498 | 112 | 361040 | 122.933 | ng | | 0.02 |
| 7) Phenol-d6 | 6.504 | 99 | 434672 | 110.110 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.422 | 82 | 335569 | 78.422 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.692 | 330 | 162866 | 112.962 | ng | | 0.01 |
| 45) 2-Fluorobiphenyl | 9.216 | 172 | 648105 | 80.140 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.968 | 244 | 683553 | 80.434 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.710 | 88 | 42921 | 33.395 | ng | | 91 |
| 3) Pyridine | 3.457 | 79 | 106538 | 32.366 | ng | # | 73 |
| 4) n-Nitrosodimethylamine | 3.416 | 42 | 74401 | 38.040 | ng | # | 94 |
| 6) Aniline | 6.516 | 93 | 136422 | 30.256 | ng | # | 1 |
| 8) 2-Chlorophenol | 6.645 | 128 | 140385 | 42.958 | ng | | 92 |
| 9) Benzaldehyde | 6.398 | 77 | 48118 | 27.422 | ng | | 94 |
| 10) Phenol | 6.516 | 94 | 176850 | 41.453 | ng | # | 70 |
| 11) bis(2-Chloroethyl)ether | 6.586 | 93 | 131234 | 42.196 | ng | | 96 |
| 12) 1,3-Dichlorobenzene | 6.792 | 146 | 160259 | 41.949 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 6.869 | 146 | 162531 | 42.414 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 7.022 | 146 | 154342 | 42.103 | ng | | 95 |
| 15) Benzyl Alcohol | 7.004 | 79 | 137049 | 38.511 | ng | | 92 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.128 | 45 | 184192 | 37.964 | ng | | 69 |
| 17) 2-Methylphenol | 7.116 | 107 | 112108 | 42.201 | ng | # | 83 |
| 18) Hexachloroethane | 7.363 | 117 | 63078 | 41.799 | ng | # | 85 |
| 19) n-Nitroso-di-n-propyla... | 7.269 | 70 | 113585 | 40.760 | ng | | 89 |
| 20) 3+4-Methylphenols | 7.269 | 107 | 149884 | 42.581 | ng | | 95 |
| 22) Acetophenone | 7.263 | 105 | 206738 | 42.732 | ng | | 98 |
| 24) Nitrobenzene | 7.439 | 77 | 168040 | 39.146 | ng | | 95 |
| 25) Isophorone | 7.675 | 82 | 286370 | 37.138 | ng | # | 94 |
| 26) 2-Nitrophenol | 7.751 | 139 | 79879 | 41.657 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 7.792 | 122 | 122696 | 45.376 | ng | | 97 |
| 28) bis(2-Chloroethoxy)met... | 7.886 | 93 | 169040 | 44.220 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 7.998 | 162 | 129167 | 41.284 | ng | | 93 |
| 30) 1,2,4-Trichlorobenzene | 8.075 | 180 | 142274 | 40.576 | ng | | 98 |
| 31) Naphthalene | 8.157 | 128 | 403685 | 39.785 | ng | | 99 |
| 32) Benzoic acid | 7.945 | 122 | 72852 | 43.908 | ng | | 95 |
| 33) 4-Chloroaniline | 8.204 | 127 | 36679 | 9.719 | ng | | 95 |
| 34) Hexachlorobutadiene | 8.275 | 225 | 97952 | 39.549 | ng | | 97 |
| 35) Caprolactam | 8.598 | 113 | 34964m | 40.677 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.704 | 107 | 132709 | 38.768 | ng | # | 85 |
| 37) 2-Methylnaphthalene | 8.851 | 142 | 286315 | 40.239 | ng | | 98 |
| 38) 1-Methylnaphthalene | 8.951 | 142 | 265956 | 39.998 | ng | | 97 |
| 40) 1,2,4,5-Tetrachloroben... | 9.016 | 216 | 159286 | 44.177 | ng | | 97 |
| 41) Hexachlorocyclopentadiene | 9.004 | 237 | 140734 | 72.737 | ng | | 97 |
| 43) 2,4,6-Trichlorophenol | 9.133 | 196 | 93048 | 39.568 | ng | | 98 |

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061021\
Data File : BF124229.D
Acq On : 10 Jun 2021 12:45
Operator : JU/CG
Sample : PB136974BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB136974BS

**Manual Integrations APPROVED**
mohammad
6/11/2021 2:10:46 PM

Quant Time: Jun 10 13:09:36 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 10 01:53:56 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.180 | 196 | 101785 | 40.320 | ng | # | 93 |
| 46) 1,1'-Biphenyl | 9.316 | 154 | 369016 | 42.956 | ng | | 98 |
| 47) 2-Chloronaphthalene | 9.339 | 162 | 279815 | 40.017 | ng | | 94 |
| 48) 2-Nitroaniline | 9.439 | 65 | 100414 | 39.793 | ng | | 95 |
| 49) Acenaphthylene | 9.757 | 152 | 418168 | 41.142 | ng | | 97 |
| 50) Dimethylphthalate | 9.622 | 163 | 358371 | 42.564 | ng | | 98 |
| 51) 2,6-Dinitrotoluene | 9.680 | 165 | 74672 | 38.680 | ng | | 94 |
| 52) Acenaphthene | 9.927 | 154 | 258097 | 38.879 | ng | | 96 |
| 53) 3-Nitroaniline | 9.851 | 138 | 38507 | 21.312 | ng | | 84 |
| 54) 2,4-Dinitrophenol | 9.969 | 184 | 75687 | 76.828 | ng | # | 80 |
| 55) Dibenzofuran | 10.104 | 168 | 412409 | 39.693 | ng | | 98 |
| 56) 4-Nitrophenol | 10.033 | 139 | 96769 | 74.942 | ng | | 90 |
| 57) 2,4-Dinitrotoluene | 10.092 | 165 | 102456 | 40.242 | ng | | 91 |
| 58) Fluorene | 10.445 | 166 | 318969 | 39.994 | ng | | 94 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.221 | 232 | 79884 | 39.050 | ng | # | 95 |
| 60) Diethylphthalate | 10.316 | 149 | 352826 | 41.523 | ng | | 97 |
| 61) 4-Chlorophenyl-phenyle... | 10.433 | 204 | 161855 | 39.690 | ng | | 97 |
| 62) 4-Nitroaniline | 10.474 | 138 | 66815 | 36.778 | ng | # | 80 |
| 63) Azobenzene | 10.592 | 77 | 336764 | 38.021 | ng | | 95 |
| 65) 4,6-Dinitro-2-methylph... | 10.504 | 198 | 51414 | 34.703 | ng | # | 63 |
| 66) n-Nitrosodiphenylamine | 10.557 | 169 | 284159 | 40.567 | ng | | 97 |
| 67) 4-Bromophenyl-phenylether | 10.921 | 248 | 102879 | 40.657 | ng | | 92 |
| 68) Hexachlorobenzene | 10.992 | 284 | 115931 | 40.450 | ng | | 96 |
| 69) Atrazine | 11.086 | 200 | 95389 | 48.107 | ng | | 99 |
| 70) Pentachlorophenol | 11.192 | 266 | 99214 | 66.526 | ng | | 99 |
| 71) Phenanthrene | 11.410 | 178 | 467022 | 40.553 | ng | | 98 |
| 72) Anthracene | 11.457 | 178 | 466930 | 40.260 | ng | | 100 |
| 73) Carbazole | 11.616 | 167 | 383294 | 37.924 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.939 | 149 | 540827 | 41.637 | ng | | 99 |
| 75) Fluoranthene | 12.598 | 202 | 467001 | 38.632 | ng | | 97 |
| 77) Benzidine | 12.710 | 184 | 108248 | 40.501 | ng | # | 96 |
| 78) Pyrene | 12.827 | 202 | 458917 | 40.960 | ng | | 97 |
| 80) Butylbenzylphthalate | 13.433 | 149 | 196068 | 43.139 | ng | | 97 |
| 81) Benzo(a)anthracene | 14.015 | 228 | 338648 | 39.841 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.974 | 252 | 71135 | 28.527 | ng | | 97 |
| 83) Chrysene | 14.051 | 228 | 318306 | 38.814 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phtha... | 13.992 | 149 | 254170 | 47.012 | ng | | 95 |
| 85) Di-n-octyl phthalate | 14.604 | 149 | 361835 | 50.147 | ng | # | 90 |
| 87) Indeno(1,2,3-cd)pyrene | 16.992 | 276 | 287094 | 40.413 | ng | | 97 |
| 88) Benzo(b)fluoranthene | 15.068 | 252 | 302197 | 44.728 | ng | | 97 |
| 89) Benzo(k)fluoranthene | 15.098 | 252 | 247366 | 38.675 | ng | | 100 |
| 90) Benzo(a)pyrene | 15.439 | 252 | 255997 | 43.623 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 17.009 | 278 | 242770 | 40.056 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 17.445 | 276 | 241261 | 40.241 | ng | | 100 |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061021\
Data File : BF124229.D
Acq On : 10 Jun 2021 12:45
Operator : JU/CG
Sample : PB136974BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 10 13:09:36 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 10 01:53:56 2021
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
PB136974BS

**Manual Integrations APPROVED**
mohammad
6/11/2021 2:10:46 PM