Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120123\
Data File : BF136349.D
Acq On : 01 Dec 2023 21:14
Operator : CG\JU
Sample : 05379-09MSD
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Dec 02 00:36:29 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 28 03:04:20 2023
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
WC-5MSD

**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/05/2023

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.804 | 152 | 134017 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.087 | 136 | 556820 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.845 | 164 | 254635 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.333 | 188 | 356127 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.986 | 240 | 228024 | 20.000 | ng | # | 0.00 |
| 86) Perylene-d12 | 15.468 | 264 | 283324 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.451 | 112 | 786426 | 81.675 | ng | | 0.01 |
| 7) Phenol-d6 | 6.451 | 99 | 1013229 | 84.159 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.369 | 82 | 628606 | 59.656 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.633 | 330 | 237032 | 76.140 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.163 | 172 | 1191688 | 59.778 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.927 | 244 | 751849 | 38.033 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.657 | 88 | 129623 | 35.579 | ng | | 98 |
| 3) Pyridine | 3.416 | 79 | 310205 | 34.492 | ng | | 94 |
| 4) n-Nitrosodimethylamine | 3.387 | 42 | 160318 | 35.265 | ng | | 85 |
| 6) Aniline | 6.475 | 93 | 361551 | 31.772 | ng | | 95 |
| 8) 2-Chlorophenol | 6.593 | 128 | 429745 | 40.990 | ng | | 95 |
| 9) Benzaldehyde | 6.357 | 77 | 48976 | 7.299 | ng | | 96 |
| 10) Phenol | 6.463 | 94 | 515357 | 39.900 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 6.551 | 93 | 381856 | 40.300 | ng | | 93 |
| 12) 1,3-Dichlorobenzene | 6.745 | 146 | 447630 | 37.623 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.828 | 146 | 459627 | 38.001 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 6.975 | 146 | 434099 | 37.911 | ng | | 97 |
| 15) Benzyl Alcohol | 6.951 | 79 | 339689 | 40.242 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.081 | 45 | 507204 | 38.537 | ng | | 96 |
| 17) 2-Methylphenol | 7.063 | 107 | 335540 | 40.709 | ng | | 98 |
| 18) Hexachloroethane | 7.316 | 117 | 161515 | 38.071 | ng | | 92 |
| 19) n-Nitroso-di-n-propyla... | 7.222 | 70 | 282884 | 39.286 | ng | | 96 |
| 20) 3+4-Methylphenols | 7.216 | 107 | 411567 | 38.421 | ng | | 97 |
| 22) Acetophenone | 7.216 | 105 | 587677 | 40.186 | ng | # | 95 |
| 24) Nitrobenzene | 7.392 | 77 | 420482 | 39.377 | ng | | 90 |
| 25) Isophorone | 7.628 | 82 | 770894 | 40.573 | ng | | 97 |
| 26) 2-Nitrophenol | 7.704 | 139 | 214821 | 47.216 | ng | | 94 |
| 27) 2,4-Dimethylphenol | 7.745 | 122 | 311993 | 52.100 | ng | | 93 |
| 28) bis(2-Chloroethoxy)met... | 7.839 | 93 | 482076 | 41.946 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.945 | 162 | 344129 | 42.604 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.028 | 180 | 394113 | 39.853 | ng | | 99 |
| 31) Naphthalene | 8.110 | 128 | 1261313 | 40.301 | ng | | 99 |
| 32) Benzoic acid | 7.875 | 122 | 253907 | 46.523 | ng | | 97 |
| 33) 4-Chloroaniline | 8.157 | 127 | 231985 | 21.806 | ng | | 96 |
| 34) Hexachlorobutadiene | 8.222 | 225 | 223829 | 38.687 | ng | | 98 |
| 35) Caprolactam | 8.534 | 113 | 96899m | 42.913 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.639 | 107 | 340381 | 38.855 | ng | | 98 |
| 37) 2-Methylnaphthalene | 8.798 | 142 | 772720 | 39.359 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.898 | 142 | 742516 | 38.769 | ng | | 96 |
| 40) 1,2,4,5-Tetrachloroben... | 8.963 | 216 | 372621 | 45.981 | ng | | 98 |
| 41) Hexachlorocyclopentadiene | 8.951 | 237 | 275607 | 88.386 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 9.081 | 196 | 232085 | 44.123 | ng | | 94 |

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120123\
Data File : BF136349.D
Acq On : 01 Dec 2023 21:14
Operator : CG\JU
Sample : 05379-09MSD
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
WC-5MSD

**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/05/2023

Quant Time: Dec 02 00:36:29 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 28 03:04:20 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.122 | 196 | 239072 | 41.649 | ng | | 96 |
| 46) 1,1'-Biphenyl | 9.263 | 154 | 1005285 | 44.769 | ng | | 97 |
| 47) 2-Chloronaphthalene | 9.286 | 162 | 745445 | 42.748 | ng | | 97 |
| 48) 2-Nitroaniline | 9.386 | 65 | 187846 | 41.259 | ng | | 87 |
| 49) Acenaphthylene | 9.704 | 152 | 1151548 | 46.274 | ng | | 99 |
| 50) Dimethylphthalate | 9.569 | 163 | 836081 | 43.442 | ng | | 98 |
| 51) 2,6-Dinitrotoluene | 9.633 | 165 | 167344 | 42.562 | ng | | 90 |
| 52) Acenaphthene | 9.875 | 154 | 657329 | 41.798 | ng | | 95 |
| 53) 3-Nitroaniline | 9.798 | 138 | 123139 | 31.564 | ng | | 97 |
| 54) 2,4-Dinitrophenol | 9.910 | 184 | 144152 | 78.831 | ng | # | 87 |
| 55) Dibenzofuran | 10.051 | 168 | 962363 | 41.124 | ng | | 99 |
| 56) 4-Nitrophenol | 9.963 | 139 | 196624 | 66.360 | ng | | 91 |
| 57) 2,4-Dinitrotoluene | 10.033 | 165 | 202553 | 38.567 | ng | # | 92 |
| 58) Fluorene | 10.392 | 166 | 714363 | 38.918 | ng | | 97 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.169 | 232 | 181073 | 39.647 | ng | | 99 |
| 60) Diethylphthalate | 10.275 | 149 | 746707 | 38.786 | ng | | 96 |
| 61) 4-Chlorophenyl-phenyle... | 10.386 | 204 | 351100 | 39.387 | ng | | 95 |
| 62) 4-Nitroaniline | 10.416 | 138 | 124137 | 32.508 | ng | | 94 |
| 63) Azobenzene | 10.551 | 77 | 674931 | 37.816 | ng | | 94 |
| 65) 4,6-Dinitro-2-methylph... | 10.445 | 198 | 91282 | 46.872 | ng | | 80 |
| 66) n-Nitrosodiphenylamine | 10.510 | 169 | 591384 | 51.819 | ng | | 97 |
| 67) 4-Bromophenyl-phenylether | 10.880 | 248 | 209084 | 50.324 | ng | | 93 |
| 68) Hexachlorobenzene | 10.939 | 284 | 221515 | 46.066 | ng | # | 90 |
| 69) Atrazine | 11.039 | 200 | 166211 | 49.095 | ng | | 100 |
| 70) Pentachlorophenol | 11.139 | 266 | 210247 | 77.351 | ng | | 97 |
| 71) Phenanthrene | 11.357 | 178 | 940033 | 46.964 | ng | | 98 |
| 72) Anthracene | 11.410 | 178 | 892249 | 44.451 | ng | | 99 |
| 73) Carbazole | 11.569 | 167 | 665839 | 39.002 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.904 | 149 | 905164 | 42.376 | ng | | 98 |
| 75) Fluoranthene | 12.551 | 202 | 930666 | 45.801 | ng | | 95 |
| 77) Benzidine | 12.674 | 184 | 161738 | 43.149 | ng | | 98 |
| 78) Pyrene | 12.780 | 202 | 937354 | 37.535 | ng | | 98 |
| 80) Butylbenzylphthalate | 13.410 | 149 | 305037 | 39.248 | ng | | 96 |
| 81) Benzo(a)anthracene | 13.974 | 228 | 853927 | 50.418 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 13.945 | 252 | 225638 | 55.345 | ng | | 95 |
| 83) Chrysene | 14.016 | 228 | 844007 | 51.611 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phtha... | 13.974 | 149 | 435486 | 46.689 | ng | # | 98 |
| 85) Di-n-octyl phthalate | 14.592 | 149 | 858347 | 55.729 | ng | | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 16.980 | 276 | 791032 | 37.946 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 15.039 | 252 | 1028272 | 51.730 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.068 | 252 | 850720 | 45.062 | ng | | 98 |
| 90) Benzo(a)pyrene | 15.410 | 252 | 855620 | 52.655 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 17.004 | 278 | 573218 | 34.531 | ng | | 97 |
| 92) Benzo(g,h,i)perylene | 17.439 | 276 | 576438 | 34.359 | ng | | 98 |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120123\
Data File : BF136349.D
Acq On : 01 Dec 2023 21:14
Operator : CG\JU
Sample : 05379-09MSD
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Dec 02 00:36:29 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 28 03:04:20 2023
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
WC-5MSD

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/05/2023