Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103122\
Data File : BM037291.D
Acq On : 31 Oct 2022 15:57
Operator : CG/JU
Sample : N5313-02MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
COMPOSITE-SW-QUARTERMSD

Quant Time: Nov 01 05:02:58 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 31 01:34:15 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.869 | 152 | 310075 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.675 | 136 | 1136684 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.504 | 164 | 576573 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.245 | 188 | 1034922 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.421 | 240 | 1042755 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 23.780 | 264 | 1229321 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.445 | 112 | 2653615 | 147.851 | ng | | 0.00 |
| 7) Phenol-d6 | 7.051 | 99 | 3099579 | 127.245 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.039 | 82 | 2059198 | 91.399 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.992 | 330 | 1106068 | 162.783 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.133 | 172 | 4226576 | 97.400 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.862 | 244 | 5580782 | 95.975 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.340 | 88 | 305892 | 41.621 | ng | # | 38 |
| 3) Pyridine | 3.751 | 79 | 739484 | 33.773 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.651 | 42 | 403304 | 42.142 | ng | | 98 |
| 6) Aniline | 7.204 | 93 | 533009 | 17.899 | ng | | 100 |
| 8) 2-Chlorophenol | 7.439 | 128 | 983788 | 45.036 | ng | | 99 |
| 9) Benzaldehyde | 7.016 | 77 | 440707 | 35.742 | ng | | 97 |
| 10) Phenol | 7.075 | 94 | 1080156 | 39.574 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 7.304 | 93 | 982132 | 44.880 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 7.757 | 146 | 1055336 | 44.212 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 7.904 | 146 | 1080686 | 43.890 | ng | | 100 |
| 14) 1,2-Dichlorobenzene | 8.222 | 146 | 1040681 | 44.007 | ng | | 99 |
| 15) Benzyl Alcohol | 8.122 | 79 | 790012 | 45.363 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.410 | 45 | 1294897 | 41.506 | ng | | 99 |
| 17) 2-Methylphenol | 8.322 | 107 | 747446 | 41.903 | ng | | 99 |
| 18) Hexachloroethane | 8.945 | 117 | 382033 | 43.996 | ng | | 96 |
| 19) n-Nitroso-di-n-propyla... | 8.686 | 70 | 686675 | 41.125 | ng | | 99 |
| 20) 3+4-Methylphenols | 8.651 | 107 | 978139 | 39.922 | ng | | 98 |
| 22) Acetophenone | 8.704 | 105 | 1403765 | 47.514 | ng | # | 98 |
| 24) Nitrobenzene | 9.086 | 77 | 1032590 | 45.207 | ng | | 98 |
| 25) Isophorone | 9.610 | 82 | 1758896 | 46.712 | ng | | 98 |
| 26) 2-Nitrophenol | 9.792 | 139 | 494507 | 48.360 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 9.851 | 122 | 806051 | 53.115 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 10.092 | 93 | 1133728 | 48.393 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.327 | 162 | 796596 | 45.728 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.533 | 180 | 915174 | 46.327 | ng | | 99 |
| 31) Naphthalene | 10.722 | 128 | 2854620 | 44.327 | ng | | 100 |
| 32) Benzoic acid | 9.969 | 122 | 170502 | 17.528 | ng | | 98 |
| 33) 4-Chloroaniline | 10.851 | 127 | 263770 | 10.283 | ng | | 99 |
| 34) Hexachlorobutadiene | 10.998 | 225 | 506770 | 45.941 | ng | | 98 |
| 35) Caprolactam | 11.645 | 113 | 195184 | 36.855 | ng | | 99 |
| 36) 4-Chloro-3-methylphenol | 11.969 | 107 | 767658 | 42.762 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.333 | 142 | 1906183 | 43.687 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.551 | 142 | 1781110 | 41.777 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 12.698 | 216 | 929061 | 53.592 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 12.668 | 237 | 1058566 | 128.161 | ng | | 100 |
| 43) 2,4,6-Trichlorophenol | 12.945 | 196 | 582838 | 48.838 | ng | | 99 |

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103122\
Data File : BM037291.D
Acq On : 31 Oct 2022 15:57
Operator : CG/JU
Sample : N5313-02MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
COMPOSITE-SW-QUARTERMSD

Quant Time: Nov 01 05:02:58 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 31 01:34:15 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 13.016 | 196 | 629780 | 47.839 | ng | 99 |
| 46) 1,1'-Biphenyl | 13.345 | 154 | 2351425 | 50.537 | ng | 99 |
| 47) 2-Chloronaphthalene | 13.386 | 162 | 1822793 | 49.229 | ng | 99 |
| 48) 2-Nitroaniline | 13.598 | 65 | 500203 | 46.748 | ng | 98 |
| 49) Acenaphthylene | 14.227 | 152 | 2756447 | 47.957 | ng | 100 |
| 50) Dimethylphthalate | 13.974 | 163 | 1986484 | 45.107 | ng | 99 |
| 51) 2,6-Dinitrotoluene | 14.092 | 165 | 440982 | 47.284 | ng | 97 |
| 52) Acenaphthene | 14.568 | 154 | 1660885 | 46.741 | ng | 99 |
| 53) 3-Nitroaniline | 14.427 | 138 | 259419 | 24.899 | ng | 98 |
| 54) 2,4-Dinitrophenol | 14.633 | 184 | 207528 | 37.518 | ng | 96 |
| 55) Dibenzofuran | 14.904 | 168 | 2547848 | 46.552 | ng | 99 |
| 56) 4-Nitrophenol | 14.739 | 139 | 715396 | 86.070 | ng | 97 |
| 57) 2,4-Dinitrotoluene | 14.880 | 165 | 588165 | 47.927 | ng | 98 |
| 58) Fluorene | 15.551 | 166 | 2114010 | 46.275 | ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.133 | 232 | 509099 | 46.138 | ng | 98 |
| 60) Diethylphthalate | 15.327 | 149 | 1883068 | 43.993 | ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.545 | 204 | 993222 | 46.994 | ng | 99 |
| 62) 4-Nitroaniline | 15.586 | 138 | 443036 | 42.398 | ng | 98 |
| 63) Azobenzene | 15.839 | 77 | 1869160 | 44.328 | ng | 99 |
| 65) 4,6-Dinitro-2-methylph... | 15.639 | 198 | 201633 | 30.024 | ng | 99 |
| 66) n-Nitrosodiphenylamine | 15.762 | 169 | 1679133 | 48.001 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 16.439 | 248 | 568727 | 48.970 | ng | 98 |
| 68) Hexachlorobenzene | 16.545 | 284 | 691183 | 49.177 | ng | 100 |
| 69) Atrazine | 16.715 | 200 | 525701 | 59.727 | ng | 99 |
| 70) Pentachlorophenol | 16.898 | 266 | 846480 | 103.502 | ng | 99 |
| 71) Phenanthrene | 17.286 | 178 | 2984657 | 46.484 | ng | 100 |
| 72) Anthracene | 17.380 | 178 | 3036664 | 49.957 | ng | 99 |
| 73) Carbazole | 17.656 | 167 | 2787447 | 49.992 | ng | 99 |
| 74) Di-n-butylphthalate | 18.209 | 149 | 2976758 | 48.349 | ng | 100 |
| 75) Fluoranthene | 19.297 | 202 | 3275265 | 48.257 | ng | 99 |
| 77) Benzidine | 19.492 | 184 | 853771 | 54.909 | ng | 100 |
| 78) Pyrene | 19.662 | 202 | 3445512 | 42.970 | ng | 100 |
| 80) Butylbenzylphthalate | 20.562 | 149 | 1308399 | 45.691 | ng | 95 |
| 81) Benzo(a)anthracene | 21.403 | 228 | 3479880 | 46.875 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.344 | 252 | 996193 | 45.689 | ng | 98 |
| 83) Chrysene | 21.456 | 228 | 3280495 | 45.866 | ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 21.327 | 149 | 1800782 | 46.854 | ng | 99 |
| 85) Di-n-octyl phthalate | 22.238 | 149 | 3015488 | 49.818 | ng | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 26.232 | 276 | 5340592 | 53.059 | ng | 99 |
| 88) Benzo(b)fluoranthene | 23.062 | 252 | 4032379 | 47.247 | ng | 99 |
| 89) Benzo(k)fluoranthene | 23.109 | 252 | 3938035 | 45.236 | ng | 99 |
| 90) Benzo(a)pyrene | 23.674 | 252 | 3619553 | 52.051 | ng | 100 |
| 91) Dibenzo(a,h)anthracene | 26.244 | 278 | 4558052 | 54.531 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 26.979 | 276 | 4384297 | 53.893 | ng | 98 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103122\
Data File : BM037291.D
Acq On : 31 Oct 2022 15:57
Operator : CG/JU
Sample : N5313-02MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
COMPOSITE-SW-QUARTERMSD

Quant Time: Nov 01 05:02:58 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 31 01:34:15 2022
Response via : Initial Calibration