Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020625\
Data File : BM049591.D
Acq On : 06 Feb 2025 22:55
Operator : RC/JU
Sample : Q1168-01
Misc : LOD-MDL-SOIL 8PPM
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Feb 07 01:32:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 04:55:28 2025
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
LOD-MDL-SOIL-01-QT1-2025

**Manual Integrations APPROVED**

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.822 | 152 | 194063 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.622 | 136 | 718872 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.463 | 164 | 445524 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.204 | 188 | 841588 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.439 | 240 | 727729 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 24.468 | 264 | 606657 | 20.000 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.393 | 112 | 1673097 | 138.640 | ng | | 0.00 |
| 7) Phenol-d6 | 6.981 | 99 | 2338065 | 147.881 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.975 | 82 | 1555123 | 111.273 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.945 | 330 | 844367 | 159.945 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.092 | 172 | 3917090 | 113.897 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.833 | 244 | 6940943 | 145.646 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.299 | 88 | 48468 | 9.552 | ng | | 97 |
| 3) Pyridine | 3.699 | 79 | 113888 | 8.077 | ng | | 94 |
| 4) n-Nitrosodimethylamine | 3.605 | 42 | 61805 | 9.369 | ng | # | 93 |
| 6) Aniline | 7.146 | 93 | 149369 | 9.968 | ng | | 99 |
| 8) 2-Chlorophenol | 7.387 | 128 | 110436 | 9.165 | ng | | 98 |
| 9) Benzaldehyde | 6.957 | 77 | 116131 | 13.872 | ng | | 97 |
| 10) Phenol | 7.004 | 94 | 145077 | 9.316 | ng | | 92 |
| 11) bis(2-Chloroethyl)ether | 7.245 | 93 | 118500 | 9.406 | ng | | 96 |
| 12) 1,3-Dichlorobenzene | 7.716 | 146 | 128194 | 9.165 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 7.857 | 146 | 128478 | 9.081 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.175 | 146 | 126622 | 9.269 | ng | | 99 |
| 15) Benzyl Alcohol | 8.057 | 79 | 91344 | 8.304 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.345 | 45 | 179318 | 10.573 | ng | | 100 |
| 17) 2-Methylphenol | 8.257 | 107 | 82919 | 8.708 | ng | | 97 |
| 18) Hexachloroethane | 8.910 | 117 | 45194 | 8.745 | ng | | 95 |
| 19) n-Nitroso-di-n-propyla... | 8.628 | 70 | 96376 | 9.309 | ng | | 97 |
| 20) 3+4-Methylphenols | 8.587 | 107 | 106702 | 8.489 | ng | | 95 |
| 22) Acetophenone | 8.640 | 105 | 183915 | 9.499 | ng | | 97 |
| 24) Nitrobenzene | 9.016 | 77 | 142738 | 10.512 | ng | | 96 |
| 25) Isophorone | 9.545 | 82 | 242320 | 9.614 | ng | | 97 |
| 26) 2-Nitrophenol | 9.734 | 139 | 24455 | 8.083 | ng | | 95 |
| 27) 2,4-Dimethylphenol | 9.792 | 122 | 55025 | 6.904 | ng | | 93 |
| 28) bis(2-Chloroethoxy)met... | 10.034 | 93 | 150119 | 9.248 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.263 | 162 | 87306 | 7.955 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.481 | 180 | 124284 | 9.243 | ng | | 98 |
| 31) Naphthalene | 10.669 | 128 | 343582 | 9.062 | ng | | 98 |
| 32) Benzoic acid | 9.839 | 122 | 17490 | 9.326 | ng | | 99 |
| 33) 4-Chloroaniline | 10.769 | 127 | 131339 | 9.255 | ng | | 98 |
| 34) Hexachlorobutadiene | 10.969 | 225 | 72503 | 9.004 | ng | | 98 |
| 35) Caprolactam | 11.516 | 113 | 23112 | 6.903 | ng | | 91 |
| 36) 4-Chloro-3-methylphenol | 11.892 | 107 | 80520 | 7.357 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.286 | 142 | 231163 | 8.660 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.504 | 142 | 216598 | 8.340 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 12.651 | 216 | 133600 | 9.121 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 12.645 | 237 | 21818 | 5.835 | ng | | 97 |
| 43) 2,4,6-Trichlorophenol | 12.886 | 196 | 53693 | 6.717 | ng | | 98 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020625\
Data File : BM049591.D
Acq On : 06 Feb 2025 22:55
Operator : RC/JU
Sample : Q1168-01
Misc : LOD-MDL-SOIL 8PPM
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
LOD-MDL-SOIL-01-QT1-2025

Quant Time: Feb 07 01:32:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 04:55:28 2025
Response via : Initial Calibration

**Manual Integrations APPROVED**

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 44) | 2,4,5-Trichlorophenol | 12.957 | 196 | 69455 | 7.907 | ng | | 97 |
| 46) | 1,1'-Biphenyl | 13.298 | 154 | 316910 | 9.324 | ng | | 98 |
| 47) | 2-Chloronaphthalene | 13.333 | 162 | 244191 | 9.286 | ng | | 99 |
| 48) | 2-Nitroaniline | 13.527 | 65 | 47408 | 10.377 | ng | | 94 |
| 49) | Acenaphthylene | 14.180 | 152 | 364682 | 9.405 | ng | | 99 |
| 50) | Dimethylphthalate | 13.916 | 163 | 273155 | 8.537 | ng | | 99 |
| 51) | 2,6-Dinitrotoluene | 14.022 | 165 | 46573 | 8.412 | ng | # | 87 |
| 52) | Acenaphthene | 14.527 | 154 | 218480 | 8.489 | ng | | 96 |
| 53) | 3-Nitroaniline | 14.351 | 138 | 46955 | 8.330 | ng | | 96 |
| 54) | 2,4-Dinitrophenol | 14.557 | 184 | 6224 | 9.440 | ng | # | 84 |
| 55) | Dibenzofuran | 14.857 | 168 | 357842 | 8.732 | ng | | 99 |
| 56) | 4-Nitrophenol | 14.645 | 139 | 26836 | 5.648 | ng | | 95 |
| 57) | 2,4-Dinitrotoluene | 14.810 | 165 | 52921 | 10.230 | ng | | 94 |
| 58) | Fluorene | 15.510 | 166 | 287522 | 8.201 | ng | | 98 |
| 59) | 2,3,4,6-Tetrachlorophenol | 15.080 | 232 | 48967 | 6.598 | ng | | 97 |
| 60) | Diethylphthalate | 15.286 | 149 | 260949 | 8.115 | ng | | 99 |
| 61) | 4-Chlorophenyl-phenyle... | 15.510 | 204 | 149171 | 7.994 | ng | | 96 |
| 62) | 4-Nitroaniline | 15.510 | 138 | 46842 | 10.069 | ng | | 95 |
| 63) | Azobenzene | 15.798 | 77 | 306954 | 9.146 | ng | | 97 |
| 65) | 4,6-Dinitro-2-methylph... | 15.574 | 198 | 9839 | 9.462 | ng | | 92 |
| 66) | n-Nitrosodiphenylamine | 15.716 | 169 | 226706 | 8.542 | ng | | 100 |
| 67) | 4-Bromophenyl-phenylether | 16.398 | 248 | 81954 | 8.382 | ng | | 96 |
| 68) | Hexachlorobenzene | 16.510 | 284 | 95467 | 8.507 | ng | | 95 |
| 69) | Atrazine | 16.668 | 200 | 65818 | 8.342 | ng | | 97 |
| 70) | Pentachlorophenol | 16.851 | 266 | 31916 | 11.521 | ng | | 98 |
| 71) | Phenanthrene | 17.245 | 178 | 418835 | 8.736 | ng | | 100 |
| 72) | Anthracene | 17.333 | 178 | 398742 | 8.399 | ng | | 99 |
| 73) | Carbazole | 17.598 | 167 | 359816 | 8.636 | ng | | 98 |
| 74) | Di-n-butylphthalate | 18.186 | 149 | 378428 | 7.158 | ng | | 100 |
| 75) | Fluoranthene | 19.256 | 202 | 439809 | 7.835 | ng | | 98 |
| 77) | Benzidine | 19.439 | 184 | 43288 | 6.717 | ng | # | 93 |
| 78) | Pyrene | 19.615 | 202 | 460775 | 8.456 | ng | | 99 |
| 80) | Butylbenzylphthalate | 20.533 | 149 | 77086 | 4.546 | ng | | 98 |
| 81) | Benzo(a)anthracene | 21.421 | 228 | 432465 | 8.769 | ng | | 99 |
| 82) | 3,3'-Dichlorobenzidine | 21.345 | 252 | 86811 | 6.541 | ng | | 97 |
| 83) | Chrysene | 21.486 | 228 | 411420 | 8.904 | ng | | 99 |
| 84) | Bis(2-ethylhexyl)phtha... | 21.380 | 149 | 160381 | 5.518 | ng | | 100 |
| 85) | Di-n-octyl phthalate | 22.533 | 149 | 197430 | 4.305 | ng | # | 91 |
| 87) | Indeno(1,2,3-cd)pyrene | 27.891 | 276 | 293941 | 8.872 | ng | # | 86 |
| 88) | Benzo(b)fluoranthene | 23.515 | 252 | 340499m | 8.159 | ng | | |
| 89) | Benzo(k)fluoranthene | 23.580 | 252 | 340281 | 8.395 | ng | | 100 |
| 90) | Benzo(a)pyrene | 24.327 | 252 | 284064 | 8.589 | ng | | 100 |
| 91) | Dibenzo(a,h)anthracene | 27.956 | 278 | 223082 | 8.520 | ng | | 96 |
| 92) | Benzo(g,h,i)perylene | 28.944 | 276 | 248224 | 8.486 | ng | | 98 |

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

Quantitation Report (QT Reviewed)

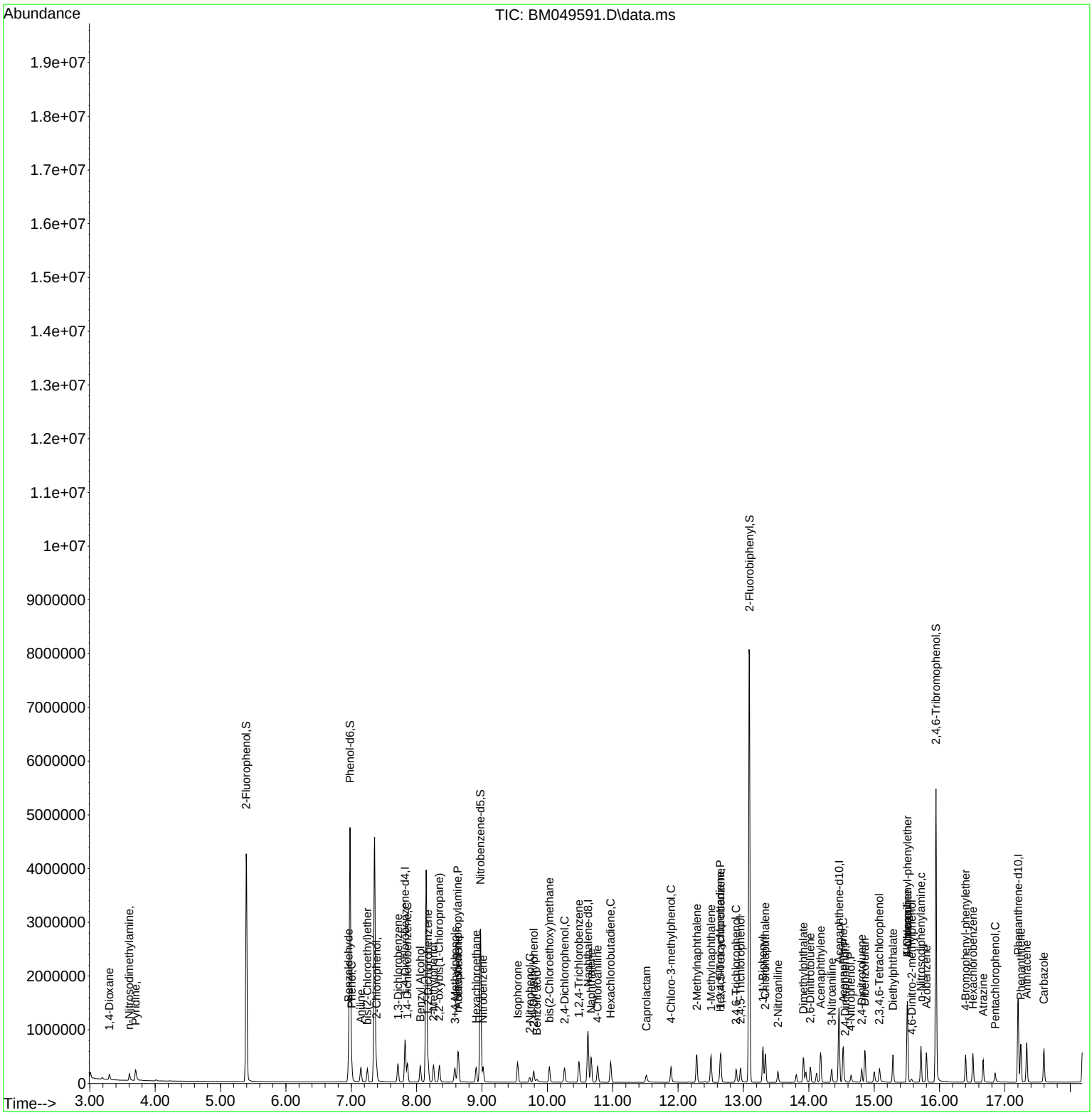
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020625\
Data File : BM049591.D
Acq On : 06 Feb 2025 22:55
Operator : RC/JU
Sample : Q1168-01
Misc : LOD-MDL-SOIL 8PPM
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Feb 07 01:32:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 04:55:28 2025
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
LOD-MDL-SOIL-01-QT1-2025

**Manual Integrations APPROVED**

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020625\
Data File : BM049591.D
Acq On : 06 Feb 2025 22:55
Operator : RC/JU
Sample : Q1168-01
Misc : LOD-MDL-SOIL 8PPM
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Feb 07 01:32:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 04:55:28 2025
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
LOD-MDL-SOIL-01-QT1-2025

**Manual Integrations APPROVED**

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025