Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM022825\
Data File : BM049683.D
Acq On : 28 Feb 2025 17:55
Operator : RC/JU
Sample : Q1458-01MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SP-SOILMS

Quant Time: Feb 28 21:59:40 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

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.804 | 152 | 347305 | 20.000 | ng | | -0.02 |
| 21) Naphthalene-d8 | 10.598 | 136 | 1210606 | 20.000 | ng | | #-0.03 |
| 39) Acenaphthene-d10 | 14.445 | 164 | 762853 | 20.000 | ng | | -0.02 |
| 64) Phenanthrene-d10 | 17.186 | 188 | 1502819 | 20.000 | ng | | -0.02 |
| 76) Chrysene-d12 | 21.427 | 240 | 1693591 | 20.000 | ng | | -0.02 |
| 86) Perylene-d12 | 24.438 | 264 | 1738682 | 20.000 | ng | | -0.04 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.393 | 112 | 2490582 | 115.319 | ng | | 0.00 |
| 7) Phenol-d6 | 6.981 | 99 | 3098432 | 109.504 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.957 | 82 | 1787386 | 75.944 | ng | | -0.02 |
| 42) 2,4,6-Tribromophenol | 15.933 | 330 | 1378582 | 152.512 | ng | | -0.02 |
| 45) 2-Fluorobiphenyl | 13.069 | 172 | 4386643 | 74.493 | ng | | -0.02 |
| 79) Terphenyl-d14 | 19.809 | 244 | 6599150 | 59.502 | ng | | -0.02 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.281 | 88 | 372494 | 41.020 | ng | | 91 |
| 3) Pyridine | 3.681 | 79 | 909357 | 36.036 | ng | | 90 |
| 4) n-Nitrosodimethylamine | 3.587 | 42 | 367200 | 31.102 | ng | # | 77 |
| 6) Aniline | 7.128 | 93 | 477327 | 17.799 | ng | | 93 |
| 8) 2-Chlorophenol | 7.375 | 128 | 927494 | 43.008 | ng | | 93 |
| 9) Benzaldehyde | 6.940 | 77 | 339702 | 22.674 | ng | | 93 |
| 10) Phenol | 7.010 | 94 | 1151957 | 41.334 | ng | | 95 |
| 11) bis(2-Chloroethyl)ether | 7.228 | 93 | 893658 | 39.636 | ng | | 95 |
| 12) 1,3-Dichlorobenzene | 7.692 | 146 | 1090697 | 43.572 | ng | # | 95 |
| 13) 1,4-Dichlorobenzene | 7.839 | 146 | 1100624 | 43.469 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.157 | 146 | 1058311 | 43.289 | ng | | 97 |
| 15) Benzyl Alcohol | 8.045 | 79 | 746511 | 37.922 | ng | | 95 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.328 | 45 | 1026803 | 33.830 | ng | | 93 |
| 17) 2-Methylphenol | 8.257 | 107 | 717422 | 42.100 | ng | | 96 |
| 18) Hexachloroethane | 8.886 | 117 | 383740 | 41.492 | ng | | 91 |
| 19) n-Nitroso-di-n-propyla... | 8.610 | 70 | 644418 | 34.779 | ng | | 91 |
| 20) 3+4-Methylphenols | 8.581 | 107 | 967373 | 43.003 | ng | | 97 |
| 22) Acetophenone | 8.622 | 105 | 1433077 | 43.951 | ng | | 96 |
| 24) Nitrobenzene | 9.004 | 77 | 904790 | 39.569 | ng | | 92 |
| 25) Isophorone | 9.534 | 82 | 1695898 | 39.955 | ng | | 96 |
| 26) 2-Nitrophenol | 9.710 | 139 | 458467 | 56.059 | ng | | 90 |
| 27) 2,4-Dimethylphenol | 9.781 | 122 | 739537 | 55.103 | ng | | 96 |
| 28) bis(2-Chloroethoxy)met... | 10.010 | 93 | 1094156 | 40.024 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 10.251 | 162 | 924470 | 50.018 | ng | | 95 |
| 30) 1,2,4-Trichlorobenzene | 10.463 | 180 | 1036567 | 45.776 | ng | | 99 |
| 31) Naphthalene | 10.651 | 128 | 2736140 | 42.854 | ng | | 99 |
| 32) Benzoic acid | 9.916 | 122 | 540207 | 59.118 | ng | | 93 |
| 33) 4-Chloroaniline | 10.757 | 127 | 312299 | 13.068 | ng | | 95 |
| 34) Hexachlorobutadiene | 10.945 | 225 | 656379 | 48.404 | ng | | 99 |
| 35) Caprolactam | 11.539 | 113 | 270402 | 47.956 | ng | # | 80 |
| 36) 4-Chloro-3-methylphenol | 11.898 | 107 | 786181 | 42.653 | ng | | 92 |
| 37) 2-Methylnaphthalene | 12.263 | 142 | 1882028 | 41.866 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.486 | 142 | 1836236 | 41.983 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.633 | 216 | 1349027 | 53.786 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 12.622 | 237 | 1201438 | 187.639 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 12.880 | 196 | 754502 | 55.127 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.951 | 196 | 812939 | 54.049 | ng | | 97 |
| 46) 1,1'-Biphenyl | 13.280 | 154 | 2844593 | 48.881 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.316 | 162 | 2001974 | 44.463 | ng | | 98 |
| 48) 2-Nitroaniline | 13.516 | 65 | 463622 | 39.823 | ng | | 88 |
| 49) Acenaphthylene | 14.163 | 152 | 3119412 | 46.984 | ng | | 99 |
| 50) Dimethylphthalate | 13.904 | 163 | 2357564 | 43.034 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 14.016 | 165 | 488431 | 51.524 | ng | # | 82 |
| 52) Acenaphthene | 14.510 | 154 | 2141511m | 48.595 | ng | | |
| 53) 3-Nitroaniline | 14.345 | 138 | 273083 | 28.294 | ng | # | 90 |
| 54) 2,4-Dinitrophenol | 14.545 | 184 | 454515 | 106.920 | ng | # | 66 |
| 55) Dibenzofuran | 14.845 | 168 | 3010988 | 42.910 | ng | | 96 |
| 56) 4-Nitrophenol | 14.668 | 139 | 960944 | 118.109 | ng | # | 82 |
| 57) 2,4-Dinitrotoluene | 14.804 | 165 | 688345 | 51.085 | ng | # | 78 |
| 58) Fluorene | 15.492 | 166 | 2525629 | 42.074 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.068 | 232 | 684061 | 53.832 | ng | | 92 |
| 60) Diethylphthalate | 15.268 | 149 | 2273425 | 41.292 | ng | | 98 |
| 61) 4-Chlorophenyl-phenyle... | 15.486 | 204 | 1346603 | 42.147 | ng | | 99 |
| 62) 4-Nitroaniline | 15.510 | 138 | 470337 | 38.565 | ng | | 92 |
| 63) Azobenzene | 15.780 | 77 | 2490363 | 43.335 | ng | | 90 |
| 65) 4,6-Dinitro-2-methylph... | 15.563 | 198 | 303979 | 61.318 | ng | | 85 |
| 66) n-Nitrosodiphenylamine | 15.698 | 169 | 2093131 | 44.164 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.380 | 248 | 785385 | 44.985 | ng | | 95 |
| 68) Hexachlorobenzene | 16.498 | 284 | 890427 | 44.436 | ng | | 93 |
| 69) Atrazine | 16.657 | 200 | 842821 | 59.823 | ng | | 97 |
| 70) Pentachlorophenol | 16.839 | 266 | 1311573 | 95.339 | ng | | 99 |
| 71) Phenanthrene | 17.227 | 178 | 4455337 | 52.039 | ng | | 99 |
| 72) Anthracene | 17.315 | 178 | 4080532 | 48.135 | ng | | 100 |
| 73) Carbazole | 17.586 | 167 | 3518716 | 47.292 | ng | | 100 |
| 74) Di-n-butylphthalate | 18.156 | 149 | 4099601 | 43.423 | ng | | 99 |
| 75) Fluoranthene | 19.245 | 202 | 6295201 | 62.805 | ng | | 98 |
| 77) Benzidine | 19.427 | 184 | 2046039 | 136.423 | ng | | 100 |
| 78) Pyrene | 19.603 | 202 | 6567296 | 51.788 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.509 | 149 | 1870347 | 47.399 | ng | # | 85 |
| 81) Benzo(a)anthracene | 21.409 | 228 | 5878271 | 51.214 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.327 | 252 | 1499205 | 48.540 | ng | | 99 |
| 83) Chrysene | 21.468 | 228 | 5335147 | 49.613 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.339 | 149 | 2892487 | 42.760 | ng | # | 97 |
| 85) Di-n-octyl phthalate | 22.480 | 149 | 4923044 | 46.131 | ng | # | 92 |
| 87) Indeno(1,2,3-cd)pyrene | 27.850 | 276 | 6376944 | 67.159 | ng | # | 96 |
| 88) Benzo(b)fluoranthene | 23.491 | 252 | 5758593 | 48.145 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 23.550 | 252 | 5331064 | 45.889 | ng | | 99 |
| 90) Benzo(a)pyrene | 24.303 | 252 | 5395741 | 56.924 | ng | # | 98 |
| 91) Dibenzo(a,h)anthracene | 27.903 | 278 | 4922455 | 65.593 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 28.909 | 276 | 4941599 | 58.947 | ng | | 97 |

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

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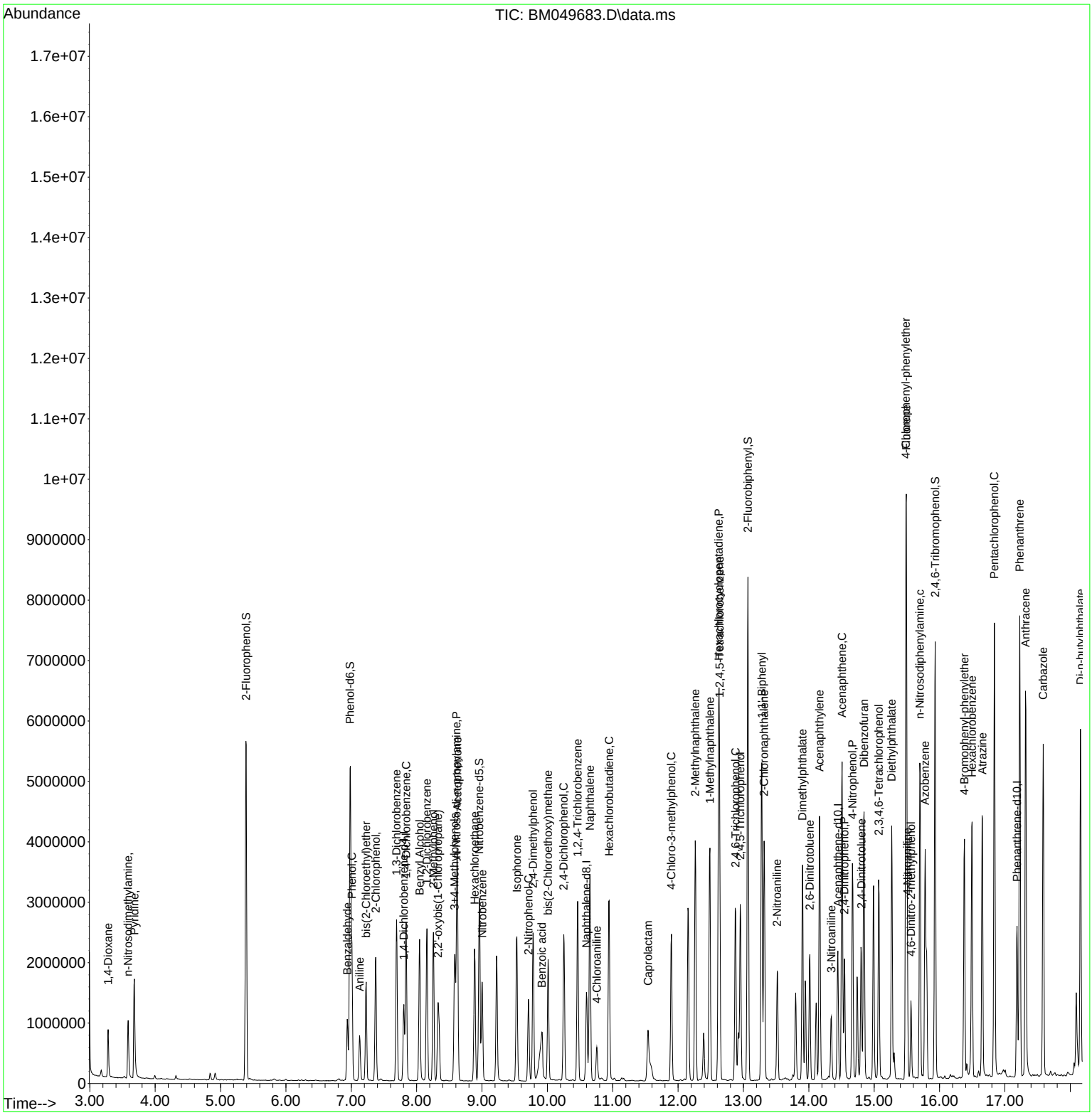

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