Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM011723\
Data File : BM038470.D
Acq On : 17 Jan 2023 18:44
Operator : CG/JU
Sample : N3980-02
Misc : LOQ-SOIL 5ppm
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 19 04:52:00 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM011623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 17 03:06:05 2023
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
LOQ-SOIL-02-QT3-2022

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.975 | 152 | 73159 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.786 | 136 | 259177 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.610 | 164 | 158643 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.351 | 188 | 361812 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.527 | 240 | 373309 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 23.944 | 264 | 450719 | 20.000 | ng | | -0.01 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.522 | 112 | 390532 | 81.428 | ng | | -0.01 |
| 7) Phenol-d6 | 7.140 | 99 | 480098 | 78.145 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.151 | 82 | 401714 | 63.153 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.098 | 330 | 202774 | 75.610 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.239 | 172 | 759020 | 59.667 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.968 | 244 | 1349546 | 67.676 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.381 | 88 | 8587 | 3.918 | ng | # | 93 |
| 3) Pyridine | 3.816 | 79 | 23602m | 3.723 | ng | | |
| 4) n-Nitrosodimethylamine | 3.716 | 42 | 17900 | 4.772 | ng | # | 96 |
| 6) Aniline | 7.304 | 93 | 34964 | 4.506 | ng | | 99 |
| 8) 2-Chlorophenol | 7.534 | 128 | 23221 | 4.890 | ng | | 93 |
| 9) Benzaldehyde | 7.116 | 77 | 19246 | 4.685 | ng | | 92 |
| 10) Phenol | 7.163 | 94 | 29858 | 4.664 | ng | | 82 |
| 11) bis(2-Chloroethyl)ether | 7.398 | 93 | 23881 | 4.603 | ng | | 94 |
| 12) 1,3-Dichlorobenzene | 7.863 | 146 | 26043 | 5.120 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 8.010 | 146 | 25632m | 5.008 | ng | | |
| 14) 1,2-Dichlorobenzene | 8.328 | 146 | 25293 | 5.055 | ng | | 98 |
| 15) Benzyl Alcohol | 8.228 | 79 | 21921 | 4.455 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.510 | 45 | 37999 | 5.253 | ng | | 98 |
| 17) 2-Methylphenol | 8.422 | 107 | 18500 | 4.278 | ng | | 96 |
| 18) Hexachloroethane | 9.057 | 117 | 10311 | 4.919 | ng | | 98 |
| 19) n-Nitroso-di-n-propyla... | 8.787 | 70 | 20770 | 4.657 | ng | # | 95 |
| 20) 3+4-Methylphenols | 8.757 | 107 | 23711 | 4.084 | ng | | 98 |
| 22) Acetophenone | 8.810 | 105 | 28341 | 3.699 | ng | | 93 |
| 24) Nitrobenzene | 9.192 | 77 | 35158 | 5.231 | ng | | 95 |
| 25) Isophorone | 9.716 | 82 | 51486 | 4.570 | ng | | 99 |
| 26) 2-Nitrophenol | 9.904 | 139 | 10262 | 4.349 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 9.963 | 122 | 17095 | 4.255 | ng | | 92 |
| 28) bis(2-Chloroethoxy)met... | 10.198 | 93 | 29369 | 4.635 | ng | | 94 |
| 29) 2,4-Dichlorophenol | 10.439 | 162 | 18768 | 4.228 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.651 | 180 | 23503 | 4.579 | ng | | 96 |
| 31) Naphthalene | 10.839 | 128 | 63192 | 4.601 | ng | | 97 |
| 32) Benzoic acid | 10.034 | 122 | 6126 | 6.735 | ng | | 91 |
| 33) 4-Chloroaniline | 10.963 | 127 | 23933 | 3.970 | ng | | 98 |
| 34) Hexachlorobutadiene | 11.110 | 225 | 16530 | 4.592 | ng | | 95 |
| 35) Caprolactam | 11.739 | 113 | 3237 | 2.580 | ng | | 96 |
| 36) 4-Chloro-3-methylphenol | 12.075 | 107 | 19176 | 3.962 | ng | | 98 |
| 37) 2-Methylnaphthalene | 12.445 | 142 | 41230 | 4.105 | ng | | 96 |
| 38) 1-Methylnaphthalene | 12.663 | 142 | 39471 | 4.186 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.810 | 216 | 21176 | 3.566 | ng | | 97 |
| 41) Hexachlorocyclopentadiene | 12.780 | 237 | 14089 | 4.173 | ng | | 89 |
| 43) 2,4,6-Trichlorophenol | 13.051 | 196 | 16052 | 4.277 | ng | | 99 |

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**Instrument :**
BNA_M
**ClientSampleId :**
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 13.122 | 196 | 17177 | 3.882 | ng | | 95 |
| 46) 1,1'-Biphenyl | 13.445 | 154 | 43831 | 3.561 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.492 | 162 | 44964 | 4.641 | ng | | 92 |
| 48) 2-Nitroaniline | 13.704 | 65 | 13963 | 5.718 | ng | | 87 |
| 49) Acenaphthylene | 14.333 | 152 | 65504 | 4.289 | ng | | 99 |
| 50) Dimethylphthalate | 14.069 | 163 | 56018 | 4.357 | ng | | 97 |
| 51) 2,6-Dinitrotoluene | 14.198 | 165 | 9935 | 3.798 | ng | | 94 |
| 52) Acenaphthene | 14.674 | 154 | 40428 | 4.356 | ng | | 97 |
| 53) 3-Nitroaniline | 14.527 | 138 | 9437 | 5.747 | ng | | 99 |
| 54) 2,4-Dinitrophenol | 14.745 | 184 | 5157 | 7.719 | ng | # | 77 |
| 55) Dibenzofuran | 15.010 | 168 | 68900 | 4.360 | ng | | 100 |
| 56) 4-Nitrophenol | 14.833 | 139 | 7127 | 6.786 | ng | # | 79 |
| 57) 2,4-Dinitrotoluene | 14.980 | 165 | 13357 | 3.674 | ng | # | 93 |
| 58) Fluorene | 15.657 | 166 | 53614 | 4.061 | ng | | 95 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.239 | 232 | 15077 | 3.843 | ng | # | 95 |
| 60) Diethylphthalate | 15.421 | 149 | 55035 | 4.173 | ng | | 97 |
| 61) 4-Chlorophenyl-phenyle... | 15.645 | 204 | 29628 | 4.088 | ng | | 97 |
| 62) 4-Nitroaniline | 15.686 | 138 | 8783 | 5.625 | ng | | 96 |
| 63) Azobenzene | 15.939 | 77 | 61314 | 4.225 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylph... | 15.739 | 198 | 7877 | 3.208 | ng | | 85 |
| 66) n-Nitrosodiphenylamine | 15.863 | 169 | 44489 | 4.191 | ng | | 97 |
| 67) 4-Bromophenyl-phenylether | 16.539 | 248 | 17253 | 4.122 | ng | | 96 |
| 68) Hexachlorobenzene | 16.657 | 284 | 20664 | 4.409 | ng | # | 93 |
| 69) Atrazine | 16.810 | 200 | 18646 | 4.967 | ng | | 94 |
| 70) Pentachlorophenol | 17.004 | 266 | 10718 | 3.133 | ng | | 94 |
| 71) Phenanthrene | 17.392 | 178 | 86227 | 4.308 | ng | | 99 |
| 72) Anthracene | 17.486 | 178 | 82436 | 4.007 | ng | | 98 |
| 73) Carbazole | 17.762 | 167 | 73410 | 4.081 | ng | | 97 |
| 74) Di-n-butylphthalate | 18.310 | 149 | 86764 | 4.061 | ng | | 99 |
| 75) Fluoranthene | 19.404 | 202 | 100735 | 4.003 | ng | | 99 |
| 77) Benzidine | 19.592 | 184 | 28760 | 3.516 | ng | # | 94 |
| 78) Pyrene | 19.768 | 202 | 105693 | 4.254 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.656 | 149 | 38155 | 4.202 | ng | | 89 |
| 81) Benzo(a)anthracene | 21.509 | 228 | 119356 | 4.445 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 21.445 | 252 | 32342 | 3.741 | ng | | 97 |
| 83) Chrysene | 21.568 | 228 | 113840 | 4.363 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phtha... | 21.421 | 149 | 55651 | 4.263 | ng | # | 97 |
| 85) Di-n-octyl phthalate | 22.350 | 149 | 98478 | 4.288 | ng | # | 95 |
| 87) Indeno(1,2,3-cd)pyrene | 26.468 | 276 | 139214 | 4.174 | ng | | 98 |
| 88) Benzo(b)fluoranthene | 23.203 | 252 | 124732 | 4.463 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 23.256 | 252 | 119807 | 4.145 | ng | | 98 |
| 90) Benzo(a)pyrene | 23.839 | 252 | 109822 | 4.004 | ng | | 96 |
| 91) Dibenzo(a,h)anthracene | 26.480 | 278 | 122650 | 4.382 | ng | # | 96 |
| 92) Benzo(g,h,i)perylene | 27.250 | 276 | 123595 | 4.451 | ng | | 97 |

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

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