Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080221\
Data File : BP006458.D
Acq On : 02 Aug 2021 19:31
Operator : CG/JU
Sample : M2262-01
Misc : LOD-MDL-SOIL 4ppm
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** LOD-MDL-SOIL-01-QT2-2021

Quant Time: Aug 03 05:16:29 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 03 05:06:41 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.763 | 152 | 170911 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.546 | 136 | 724554 | 20.000 | ng | # | 0.00 |
| 39) Acenaphthene-d10 | 14.387 | 164 | 433400 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.139 | 188 | 868649 | 20.000 | ng | # | 0.00 |
| 76) Chrysene-d12 | 21.239 | 240 | 872750 | 20.000 | ng | # | 0.00 |
| 86) Perylene-d12 | 23.569 | 264 | 897463 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.358 | 112 | 1227084 | 111.965 | ng | | 0.00 |
| 7) Phenol-d6 | 6.934 | 99 | 1746149 | 112.853 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.916 | 82 | 992444 | 64.578 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.881 | 330 | 522258 | 117.849 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.016 | 172 | 1797575 | 62.169 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.716 | 244 | 2627027 | 60.610 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.311 | 88 | 19579 | 4.031 | ng | | 95 |
| 3) Pyridine | 3.711 | 79 | 47694 | 3.400 | ng | | 93 |
| 4) n-Nitrosodimethylamine | 3.617 | 42 | 20841 | 3.934 | ng | # | 94 |
| 6) Aniline | 7.093 | 93 | 75169 | 4.444 | ng | | 96 |
| 8) 2-Chlorophenol | 7.322 | 128 | 45796 | 3.863 | ng | | 84 |
| 9) Benzaldehyde | 6.911 | 77 | 49186 | 5.073 | ng | | 93 |
| 10) Phenol | 6.964 | 94 | 62047 | 3.980 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 7.199 | 93 | 49860 | 4.178 | ng | | 89 |
| 12) 1,3-Dichlorobenzene | 7.646 | 146 | 50627 | 4.046 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 7.793 | 146 | 51522 | 4.070 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 8.105 | 146 | 48579 | 3.994 | ng | | 95 |
| 15) Benzyl Alcohol | 8.005 | 79 | 45600 | 3.936 | ng | | 93 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.299 | 45 | 58761 | 4.172 | ng | | 97 |
| 17) 2-Methylphenol | 8.205 | 107 | 36279 | 3.719 | ng | | 97 |
| 18) Hexachloroethane | 8.828 | 117 | 20476 | 4.128 | ng | # | 79 |
| 19) n-Nitroso-di-n-propyla... | 8.569 | 70 | 40898 | 3.987 | ng | # | 97 |
| 20) 3+4-Methylphenols | 8.528 | 107 | 47573 | 3.576 | ng | | 100 |
| 22) Acetophenone | 8.581 | 105 | 77479 | 4.056 | ng | # | 97 |
| 24) Nitrobenzene | 8.958 | 77 | 65093 | 4.081 | ng | | 92 |
| 25) Isophorone | 9.487 | 82 | 99262 | 3.618 | ng | | 96 |
| 26) 2-Nitrophenol | 9.663 | 139 | 18578 | 3.253 | ng | # | 87 |
| 27) 2,4-Dimethylphenol | 9.728 | 122 | 39527 | 4.045 | ng | | 89 |
| 28) bis(2-Chloroethoxy)met... | 9.969 | 93 | 63858 | 4.256 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.193 | 162 | 31923 | 3.232 | ng | | 90 |
| 30) 1,2,4-Trichlorobenzene | 10.405 | 180 | 41544 | 3.872 | ng | | 94 |
| 31) Naphthalene | 10.593 | 128 | 151506 | 3.925 | ng | | 99 |
| 32) Benzoic acid | 9.781 | 122 | 14717 | 1.984 | ng | | 95 |
| 33) 4-Chloroaniline | 10.710 | 127 | 59525 | 3.858 | ng | | 97 |
| 34) Hexachlorobutadiene | 10.881 | 225 | 24286 | 3.872 | ng | | 98 |
| 35) Caprolactam | 11.487 | 113 | 11478 | 3.169 | ng | # | 75 |
| 36) 4-Chloro-3-methylphenol | 11.834 | 107 | 41781 | 3.391 | ng | | 90 |
| 37) 2-Methylnaphthalene | 12.204 | 142 | 102727 | 3.965 | ng | | 100 |
| 38) 1-Methylnaphthalene | 12.428 | 142 | 95002 | 3.861 | ng | | 94 |
| 40) 1,2,4,5-Tetrachloroben... | 12.575 | 216 | 44820 | 3.968 | ng | # | 95 |
| 41) Hexachlorocyclopentadiene | 12.551 | 237 | 26407 | 4.411 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 12.822 | 196 | 23596 | 3.115 | ng | | 94 |

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Misc : LOD-MDL-SOIL 4ppm
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
LOD-MDL-SOIL-01-QT2-2021

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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 | 12.887 | 196 | 26975 | 3.217 | ng | # | 92 |
| 46) 1,1'-Biphenyl | 13.222 | 154 | 134681 | 4.111 | ng | | 96 |
| 47) 2-Chloronaphthalene | 13.263 | 162 | 95058 | 3.768 | ng | | 94 |
| 48) 2-Nitroaniline | 13.469 | 65 | 26918 | 3.181 | ng | | 88 |
| 49) Acenaphthylene | 14.110 | 152 | 147457 | 3.679 | ng | | 100 |
| 50) Dimethylphthalate | 13.857 | 163 | 120523 | 3.868 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 13.969 | 165 | 21734 | 3.206 | ng | # | 68 |
| 52) Acenaphthene | 14.451 | 154 | 91722 | 3.711 | ng | | 98 |
| 53) 3-Nitroaniline | 14.298 | 138 | 24056 | 3.202 | ng | # | 76 |
| 54) 2,4-Dinitrophenol | 14.504 | 184 | 8599 | 2.337 | ng | # | 90 |
| 55) Dibenzofuran | 14.787 | 168 | 147956 | 3.822 | ng | | 93 |
| 56) 4-Nitrophenol | 14.604 | 139 | 18218 | 2.670 | ng | # | 87 |
| 57) 2,4-Dinitrotoluene | 14.757 | 165 | 26597 | 2.939 | ng | # | 72 |
| 58) Fluorene | 15.440 | 166 | 115972 | 3.771 | ng | | 97 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.016 | 232 | 22691 | 3.226 | ng | # | 76 |
| 60) Diethylphthalate | 15.228 | 149 | 122933 | 3.795 | ng | | 94 |
| 61) 4-Chlorophenyl-phenyle... | 15.440 | 204 | 53608 | 3.836 | ng | | 90 |
| 62) 4-Nitroaniline | 15.457 | 138 | 23542 | 2.961 | ng | | 93 |
| 63) Azobenzene | 15.734 | 77 | 126655 | 3.386 | ng | | 91 |
| 65) 4,6-Dinitro-2-methylph... | 15.516 | 198 | 11802 | 2.271 | ng | | 71 |
| 66) n-Nitrosodiphenylamine | 15.657 | 169 | 97091 | 3.610 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 16.334 | 248 | 30131 | 3.618 | ng | # | 77 |
| 68) Hexachlorobenzene | 16.440 | 284 | 36751 | 3.916 | ng | # | 82 |
| 69) Atrazine | 16.616 | 200 | 30445 | 3.679 | ng | | 97 |
| 70) Pentachlorophenol | 16.787 | 266 | 17434 | 2.988 | ng | | 95 |
| 71) Phenanthrene | 17.181 | 178 | 190537 | 3.911 | ng | | 99 |
| 72) Anthracene | 17.275 | 178 | 174915 | 3.747 | ng | | 99 |
| 73) Carbazole | 17.551 | 167 | 166474 | 3.511 | ng | | 98 |
| 74) Di-n-butylphthalate | 18.116 | 149 | 174895 | 3.267 | ng | | 99 |
| 75) Fluoranthene | 19.157 | 202 | 197136 | 3.636 | ng | | 95 |
| 77) Benzidine | 19.345 | 184 | 82218 | 3.827 | ng | | 99 |
| 78) Pyrene | 19.510 | 202 | 212257 | 3.689 | ng | | 98 |
| 80) Butylbenzylphthalate | 20.398 | 149 | 71177 | 2.863 | ng | # | 84 |
| 81) Benzo(a)anthracene | 21.222 | 228 | 210137 | 3.740 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.163 | 252 | 63640 | 4.273 | ng | # | 98 |
| 83) Chrysene | 21.275 | 228 | 207585 | 3.792 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 21.169 | 149 | 111962 | 2.916 | ng | # | 95 |
| 85) Di-n-octyl phthalate | 22.069 | 149 | 166792 | 2.565 | ng | # | 93 |
| 87) Indeno(1,2,3-cd)pyrene | 25.963 | 276 | 234785 | 3.646 | ng | # | 89 |
| 88) Benzo(b)fluoranthene | 22.857 | 252 | 210029 | 3.646 | ng | # | 94 |
| 89) Benzo(k)fluoranthene | 22.904 | 252 | 200583 | 3.589 | ng | # | 94 |
| 90) Benzo(a)pyrene | 23.463 | 252 | 189985 | 3.683 | ng | # | 94 |
| 91) Dibenzo(a,h)anthracene | 25.986 | 278 | 201795 | 3.619 | ng | # | 93 |
| 92) Benzo(g,h,i)perylene | 26.704 | 276 | 198085 | 3.705 | ng | # | 91 |

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

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