

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071421\  
 Data File : BF124565.D  
 Acq On : 14 Jul 2021 15:26  
 Operator : JU/CG  
 Sample : M2940-03  
 Misc : MDL-MDL-SOIL 4ppm  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MDL-SOIL-03-QT3-2021

Manual Integrations  
 APPROVED

mohammad  
 7/16/2021 10:55:07 AM

Quant Time: Jul 14 15:54:15 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF070721.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 14 13:25:43 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.928  | 152  | 6264     | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.204  | 136  | 25727    | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.963  | 164  | 13880    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.451 | 188  | 24680    | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 14.092 | 240  | 16678    | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 15.586 | 264  | 12078    | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.545  | 112  | 43095    | 119.197 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.545  | 99   | 53872    | 122.487 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.486  | 82   | 24971    | 61.272  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.757 | 330  | 12684    | 117.431 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.286  | 172  | 62136    | 65.280  | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.039 | 244  | 63400    | 63.834  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.798  | 88   | 156      | 1.319   | ng    | # 100    |
| 3) Pyridine                   | 3.610  | 79   | 682      | 2.249   | ng    | # 68     |
| 4) n-Nitrosodimethylamine     | 3.481  | 42   | 729      | 2.957   | ng    | # 80     |
| 6) Aniline                    | 6.592  | 93   | 2208     | 4.765   | ng    | # 89     |
| 8) 2-Chlorophenol             | 6.710  | 128  | 1758     | 4.337   | ng    | 94       |
| 9) Benzaldehyde               | 6.475  | 77   | 1219     | 4.724   | ng    | 96       |
| 10) Phenol                    | 6.557  | 94   | 1564     | 3.642   | ng    | 93       |
| 11) bis(2-Chloroethyl)ether   | 6.657  | 93   | 1531     | 4.599   | ng    | 90       |
| 12) 1,3-Dichlorobenzene       | 6.863  | 146  | 2089     | 4.709   | ng    | 91       |
| 13) 1,4-Dichlorobenzene       | 6.939  | 146  | 2076     | 4.582   | ng    | 92       |
| 14) 1,2-Dichlorobenzene       | 7.092  | 146  | 2068m    | 4.802   | ng    |          |
| 15) Benzyl Alcohol            | 7.057  | 79   | 928      | 3.049   | ng    | 90       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.192  | 45   | 2494     | 4.347   | ng    | 75       |
| 17) 2-Methylphenol            | 7.157  | 107  | 1136     | 3.829   | ng    | 87       |
| 18) Hexachloroethane          | 7.439  | 117  | 657      | 3.850   | ng    | 92       |
| 19) n-Nitroso-di-n-propyla... | 7.328  | 70   | 885      | 3.579   | ng    | # 86     |
| 20) 3+4-Methylphenols         | 7.310  | 107  | 1692     | 4.332   | ng    | # 69     |
| 22) Acetophenone              | 7.328  | 105  | 2468     | 4.227   | ng    | # 96     |
| 24) Nitrobenzene              | 7.498  | 77   | 1479     | 3.660   | ng    | # 90     |
| 25) Isophorone                | 7.733  | 82   | 2682     | 3.585   | ng    | 96       |
| 26) 2-Nitrophenol             | 7.816  | 139  | 860      | 3.945   | ng    | # 89     |
| 27) 2,4-Dimethylphenol        | 7.845  | 122  | 1661     | 4.598   | ng    | # 95     |
| 28) bis(2-Chloroethoxy)met... | 7.945  | 93   | 1836     | 4.207   | ng    | # 83     |
| 29) 2,4-Dichlorophenol        | 8.051  | 162  | 1440     | 3.865   | ng    | 95       |
| 30) 1,2,4-Trichlorobenzene    | 8.145  | 180  | 1561     | 3.786   | ng    | 95       |
| 31) Naphthalene               | 8.228  | 128  | 5352     | 4.022   | ng    | 98       |
| 32) Benzoic acid              | 7.886  | 122  | 464      | 1.843   | ng    | # 81     |
| 33) 4-Chloroaniline           | 8.269  | 127  | 1925     | 3.828   | ng    | 93       |
| 34) Hexachlorobutadiene       | 8.345  | 225  | 941      | 4.043   | ng    | # 88     |
| 36) 4-Chloro-3-methylphenol   | 8.739  | 107  | 1241     | 3.368   | ng    | 94       |
| 37) 2-Methylnaphthalene       | 8.916  | 142  | 3678     | 4.096   | ng    | 98       |
| 38) 1-Methylnaphthalene       | 9.016  | 142  | 3516     | 4.169   | ng    | 91       |
| 40) 1,2,4,5-Tetrachloroben... | 9.080  | 216  | 1491     | 4.028   | ng    | # 90     |
| 41) Hexachlorocyclopentadiene | 9.075  | 237  | 1216     | 5.258   | ng    | 90       |
| 43) 2,4,6-Trichlorophenol     | 9.192  | 196  | 900      | 3.368   | ng    | 88       |
| 44) 2,4,5-Trichlorophenol     | 9.222  | 196  | 999      | 3.624   | ng    | 95       |

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|-------------------------------|--------|------|----------|-------|-------|----------|
| 46) 1,1'-Biphenyl             | 9.380  | 154  | 4513     | 4.281 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.404  | 162  | 3456     | 4.181 | ng    | 95       |
| 48) 2-Nitroaniline            | 9.498  | 65   | 594      | 2.989 | ng #  | 79       |
| 49) Acenaphthylene            | 9.822  | 152  | 5355     | 4.152 | ng #  | 95       |
| 50) Dimethylphthalate         | 9.675  | 163  | 4062     | 4.206 | ng #  | 92       |
| 51) 2,6-Dinitrotoluene        | 9.733  | 165  | 683      | 3.588 | ng #  | 88       |
| 52) Acenaphthene              | 9.998  | 154  | 3271     | 3.966 | ng    | 95       |
| 53) 3-Nitroaniline            | 9.904  | 138  | 837      | 3.940 | ng #  | 95       |
| 54) 2,4-Dinitrophenol         | 10.004 | 184  | 132      | 1.329 | ng #  | 1        |
| 55) Dibenzofuran              | 10.169 | 168  | 4890     | 4.033 | ng    | 98       |
| 56) 4-Nitrophenol             | 10.045 | 139  | 505      | 2.856 | ng    | 85       |
| 57) 2,4-Dinitrotoluene        | 10.133 | 165  | 891      | 3.419 | ng    | 86       |
| 58) Fluorene                  | 10.510 | 166  | 3562     | 3.798 | ng    | 92       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.280 | 232  | 664      | 3.119 | ng #  | 92       |
| 60) Diethylphthalate          | 10.380 | 149  | 4267     | 4.226 | ng    | 95       |
| 61) 4-Chlorophenyl-phenyle... | 10.504 | 204  | 1608     | 3.777 | ng    | 99       |
| 62) 4-Nitroaniline            | 10.510 | 138  | 889      | 4.152 | ng #  | 73       |
| 63) Azobenzene                | 10.663 | 77   | 3517     | 3.985 | ng    | 97       |
| 65) 4,6-Dinitro-2-methylph... | 10.545 | 198  | 310      | 2.199 | ng #  | 22       |
| 66) n-Nitrosodiphenylamine    | 10.616 | 169  | 3212     | 3.997 | ng    | 93       |
| 67) 4-Bromophenyl-phenylether | 10.992 | 248  | 949      | 3.719 | ng #  | 81       |
| 68) Hexachlorobenzene         | 11.057 | 284  | 1003     | 3.836 | ng    | 90       |
| 69) Atrazine                  | 11.139 | 200  | 996      | 4.047 | ng    | 87       |
| 70) Pentachlorophenol         | 11.245 | 266  | 408      | 2.467 | ng    | 93       |
| 71) Phenanthrene              | 11.474 | 178  | 5425m    | 4.029 | ng    |          |
| 72) Anthracene                | 11.521 | 178  | 5564     | 4.119 | ng    | 98       |
| 73) Carbazole                 | 11.674 | 167  | 4834     | 3.873 | ng    | 99       |
| 74) Di-n-butylphthalate       | 12.010 | 149  | 6624     | 3.940 | ng #  | 96       |
| 75) Fluoranthene              | 12.663 | 202  | 5570     | 4.100 | ng    | 97       |
| 77) Benzidine                 | 12.780 | 184  | 2991     | 4.797 | ng #  | 95       |
| 78) Pyrene                    | 12.892 | 202  | 5582     | 4.028 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.510 | 149  | 2209     | 3.297 | ng    | 95       |
| 81) Benzo(a)anthracene        | 14.080 | 228  | 4295     | 3.883 | ng    | 94       |
| 82) 3,3'-Dichlorobenzidine    | 14.039 | 252  | 1541     | 5.319 | ng #  | 83       |
| 83) Chrysene                  | 14.115 | 228  | 3795     | 3.582 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.068 | 149  | 3108     | 3.455 | ng #  | 94       |
| 85) Di-n-octyl phthalate      | 14.686 | 149  | 4050     | 3.112 | ng #  | 94       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.086 | 276  | 2616     | 3.735 | ng #  | 65       |
| 88) Benzo(b)fluoranthene      | 15.139 | 252  | 3328     | 3.839 | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 15.168 | 252  | 3110     | 3.910 | ng    | 96       |
| 90) Benzo(a)pyrene            | 15.515 | 252  | 2666     | 3.725 | ng #  | 80       |
| 91) Dibenzo(a,h)anthracene    | 17.109 | 278  | 2301     | 3.859 | ng    | 96       |
| 92) Benzo(g,h,i)perylene      | 17.545 | 276  | 1997     | 3.431 | ng #  | 47       |

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

