

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP032521\  
 Data File : BP005043.D  
 Acq On : 25 Mar 2021 13:03  
 Operator : CG/JU  
 Sample : M1458-01  
 Misc : LOD-MDL-SOIL-4PPM  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT1-2021

Manual Integrations  
 APPROVED

mohammad  
 3/26/2021 1:30:49 PM

Quant Time: Mar 25 13:36:25 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP032321.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 25 12:50:43 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.722  | 152  | 26795    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.516 | 136  | 98288    | 20.00 | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.381 | 164  | 61208    | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.140 | 188  | 134067   | 20.00 | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.233 | 240  | 149240   | 20.00 | ng    | # 0.00   |
| 86) Perylene-d12              | 23.522 | 264  | 150489   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 5) 2-Fluorophenol             | 5.317  | 112  | 145360   | 83.49 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.899  | 99   | 200460   | 80.38 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.881  | 82   | 141305   | 61.69 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.875 | 330  | 68273    | 85.61 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 12.999 | 172  | 285302   | 63.05 | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.710 | 244  | 491079   | 59.90 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
|                               |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.258  | 88   | 3146     | 4.15  | ng    | # 95     |
| 3) Pyridine                   | 3.705  | 79   | 5300m    | 2.81  | ng    |          |
| 4) n-Nitrosodimethylamine     | 3.581  | 42   | 2297     | 3.41  | ng    | # 67     |
| 6) Aniline                    | 7.064  | 93   | 11617    | 4.11  | ng    | # 87     |
| 8) 2-Chlorophenol             | 7.293  | 128  | 6827     | 3.72  | ng    | 83       |
| 9) Benzaldehyde               | 6.875  | 77   | 7767     | 6.12  | ng    | # 68     |
| 10) Phenol                    | 6.928  | 94   | 9653     | 3.78  | ng    | 80       |
| 11) bis(2-Chloroethyl)ether   | 7.158  | 93   | 7368     | 3.94  | ng    | 97       |
| 12) 1,3-Dichlorobenzene       | 7.617  | 146  | 8415     | 4.12  | ng    | # 85     |
| 13) 1,4-Dichlorobenzene       | 7.764  | 146  | 8263     | 3.99  | ng    | # 90     |
| 14) 1,2-Dichlorobenzene       | 8.075  | 146  | 8250     | 4.15  | ng    | 98       |
| 15) Benzyl Alcohol            | 7.975  | 79   | 6381     | 3.32  | ng    | # 87     |
| 16) 2,2'-oxybis(1-Chloropr... | 8.246  | 45   | 5163     | 3.76  | ng    | 96       |
| 17) 2-Methylphenol            | 8.169  | 107  | 5876     | 3.60  | ng    | # 88     |
| 18) Hexachloroethane          | 8.799  | 117  | 3101     | 3.93  | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 8.534  | 70   | 5808     | 3.59  | ng    | # 89     |
| 20) 3+4-Methylphenols         | 8.499  | 107  | 8003     | 3.59  | ng    | 90       |
| 22) Acetophenone              | 8.552  | 105  | 11963    | 4.23  | ng    | # 95     |
| 24) Nitrobenzene              | 8.928  | 77   | 9065     | 3.76  | ng    | # 79     |
| 25) Isophorone                | 9.452  | 82   | 14582    | 3.45  | ng    | # 92     |
| 26) 2-Nitrophenol             | 9.640  | 139  | 3294     | 3.52  | ng    | # 60     |
| 27) 2,4-Dimethylphenol        | 9.699  | 122  | 6434     | 4.27  | ng    | 90       |
| 28) bis(2-Chloroethoxy)met... | 9.940  | 93   | 9053     | 4.23  | ng    | 94       |
| 29) 2,4-Dichlorophenol        | 10.169 | 162  | 6010     | 3.57  | ng    | 93       |
| 30) 1,2,4-Trichlorobenzene    | 10.381 | 180  | 7318     | 3.87  | ng    | 83       |
| 31) Naphthalene               | 10.569 | 128  | 21825    | 3.93  | ng    | 99       |
| 32) Benzoic acid              | 9.763  | 122  | 2419     | 2.16  | ng    | # 89     |
| 33) 4-Chloroaniline           | 10.693 | 127  | 7984     | 3.55  | ng    | # 86     |
| 34) Hexachlorobutadiene       | 10.846 | 225  | 4952     | 4.07  | ng    | 87       |
| 35) Caprolactam               | 11.469 | 113  | 1801     | 3.26  | ng    | # 81     |
| 36) 4-Chloro-3-methylphenol   | 11.810 | 107  | 6753     | 3.32  | ng    | # 74     |
| 37) 2-Methylnaphthalene       | 12.187 | 142  | 15281m   | 3.81  | ng    |          |
| 38) 1-Methylnaphthalene       | 12.404 | 142  | 14566m   | 3.88  | ng    |          |
| 40) 1,2,4,5-Tetrachloroben... | 12.557 | 216  | 8569     | 4.30  | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 12.534 | 237  | 4816     | 4.44  | ng    | 78       |
| 43) 2,4,6-Trichlorophenol     | 12.804 | 196  | 4596     | 3.34  | ng    | 94       |

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| Compound                      | R.T.   | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 12.875 | 196  | 5181     | 3.47 | ng    | # 90     |
| 46) 1,1'-Biphenyl             | 13.210 | 154  | 19546    | 4.19 | ng    | 95       |
| 47) 2-Chloronaphthalene       | 13.246 | 162  | 15617    | 4.11 | ng    | 95       |
| 48) 2-Nitroaniline            | 13.463 | 65   | 4092     | 3.38 | ng    | # 65     |
| 49) Acenaphthylene            | 14.099 | 152  | 23072    | 3.90 | ng    | 96       |
| 50) Dimethylphthalate         | 13.840 | 163  | 18387    | 3.90 | ng    | 98       |
| 51) 2,6-Dinitrotoluene        | 13.957 | 165  | 3871     | 3.48 | ng    | # 45     |
| 52) Acenaphthene              | 14.440 | 154  | 14904    | 4.10 | ng    | 94       |
| 53) 3-Nitroaniline            | 14.293 | 138  | 3274     | 3.20 | ng    | # 55     |
| 54) 2,4-Dinitrophenol         | 14.498 | 184  | 1483     | 2.20 | ng    | # 66     |
| 55) Dibenzofuran              | 14.781 | 168  | 24267    | 4.07 | ng    | 96       |
| 56) 4-Nitrophenol             | 14.628 | 139  | 1857     | 2.21 | ng    | # 73     |
| 57) 2,4-Dinitrotoluene        | 14.751 | 165  | 4677     | 3.19 | ng    | # 63     |
| 58) Fluorene                  | 15.434 | 166  | 18750    | 3.90 | ng    | 90       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.010 | 232  | 4585     | 3.33 | ng    | 95       |
| 60) Diethylphthalate          | 15.210 | 149  | 18147    | 3.94 | ng    | 97       |
| 61) 4-Chlorophenyl-phenyle... | 15.434 | 204  | 10687    | 4.18 | ng    | 89       |
| 62) 4-Nitroaniline            | 15.463 | 138  | 2981m    | 2.84 | ng    |          |
| 63) Azobenzene                | 15.722 | 77   | 18192    | 3.45 | ng    | 85       |
| 65) 4,6-Dinitro-2-methylph... | 15.516 | 198  | 2584     | 2.64 | ng    | 90       |
| 66) n-Nitrosodiphenylamine    | 15.645 | 169  | 15902    | 3.69 | ng    | 92       |
| 67) 4-Bromophenyl-phenylether | 16.334 | 248  | 6061     | 3.90 | ng    | 92       |
| 68) Hexachlorobenzene         | 16.440 | 284  | 7495     | 4.29 | ng    | 94       |
| 69) Atrazine                  | 16.610 | 200  | 4989     | 3.49 | ng    | 96       |
| 70) Pentachlorophenol         | 16.787 | 266  | 3636     | 3.15 | ng    | # 87     |
| 71) Phenanthrene              | 17.181 | 178  | 30707    | 3.95 | ng    | 97       |
| 72) Anthracene                | 17.275 | 178  | 29958    | 3.94 | ng    | 96       |
| 73) Carbazole                 | 17.551 | 167  | 25493    | 3.57 | ng    | 97       |
| 74) Di-n-butylphthalate       | 18.110 | 149  | 25899    | 3.30 | ng    | # 97     |
| 75) Fluoranthene              | 19.157 | 202  | 35123    | 3.84 | ng    | 96       |
| 77) Benzidine                 | 19.351 | 184  | 9488     | 2.90 | ng    | 96       |
| 78) Pyrene                    | 19.510 | 202  | 35652    | 3.48 | ng    | 98       |
| 80) Butylbenzylphthalate      | 20.386 | 149  | 11109    | 2.92 | ng    | # 75     |
| 81) Benzo(a)anthracene        | 21.216 | 228  | 38263    | 3.77 | ng    | 95       |
| 82) 3,3'-Dichlorobenzidine    | 21.157 | 252  | 12254    | 3.60 | ng    | 91       |
| 83) Chrysene                  | 21.269 | 228  | 38979    | 3.92 | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 21.145 | 149  | 16602    | 2.98 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 22.033 | 149  | 29715    | 3.16 | ng    | # 92     |
| 87) Indeno(1,2,3-cd)pyrene    | 25.863 | 276  | 44720    | 3.96 | ng    | 96       |
| 88) Benzo(b)fluoranthene      | 22.822 | 252  | 41456    | 3.88 | ng    | 96       |
| 89) Benzo(k)fluoranthene      | 22.869 | 252  | 36988    | 3.61 | ng    | 99       |
| 90) Benzo(a)pyrene            | 23.422 | 252  | 35008    | 3.65 | ng    | 97       |
| 91) Dibenzo(a,h)anthracene    | 25.880 | 278  | 37951    | 3.89 | ng    | # 94     |
| 92) Benzo(g,h,i)perylene      | 26.580 | 276  | 37839    | 4.02 | ng    | 95       |

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

