

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM110320\  
 Data File : BM027687.D  
 Acq On : 03 Nov 2020 13:09  
 Operator : JU/CG  
 Sample : L4214-09  
 Misc : MDL-MDL-WATER-8PPM  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MDL-WATER-03-QT4-2020

Manual Integrations  
 APPROVED

mohammad  
 11/4/2020 11:00:12 AM

Quant Time: Nov 03 13:43:20 2020  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM103020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 03 12:06:47 2020  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.398  | 152  | 32363    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.245 | 136  | 116543   | 20.00  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 15.010 | 164  | 69804    | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.727 | 188  | 151494   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.821 | 240  | 152108   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12              | 24.274 | 264  | 155511   | 20.00  | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.869  | 112  | 300973   | 146.94 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.522  | 99   | 402056   | 139.66 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.575  | 82   | 306324   | 119.91 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.474 | 330  | 135282   | 162.30 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.651 | 172  | 585886   | 119.76 | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.286 | 244  | 874216   | 113.37 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.575  | 88   | 7358     | 8.37   | ng    | # 76     |
| 3) Pyridine                   | 4.022  | 79   | 18165    | 7.21   | ng    | # 38     |
| 4) n-Nitrosodimethylamine     | 3.922  | 42   | 12917    | 8.26   | ng    | # 41     |
| 6) Aniline                    | 7.698  | 93   | 26623    | 8.20   | ng    | 97       |
| 8) 2-Chlorophenol             | 7.951  | 128  | 15802    | 7.68   | ng    | 95       |
| 9) Benzaldehyde               | 7.510  | 77   | 17870    | 12.05  | ng    | 98       |
| 10) Phenol                    | 7.545  | 94   | 20830    | 7.65   | ng    | 92       |
| 11) bis(2-Chloroethyl)ether   | 7.798  | 93   | 16655    | 7.97   | ng    | 95       |
| 12) 1,3-Dichlorobenzene       | 8.287  | 146  | 18991    | 7.57   | ng    | 91       |
| 13) 1,4-Dichlorobenzene       | 8.440  | 146  | 19950    | 7.91   | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 8.763  | 146  | 18593    | 7.75   | ng    | 93       |
| 15) Benzyl Alcohol            | 8.628  | 79   | 18010    | 7.82   | ng    | 97       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.922  | 45   | 25073    | 7.50   | ng    | 73       |
| 17) 2-Methylphenol            | 8.828  | 107  | 14050    | 7.68   | ng    | 97       |
| 18) Hexachloroethane          | 9.510  | 117  | 7727     | 7.73   | ng    | 92       |
| 19) n-Nitroso-di-n-propyla... | 9.204  | 70   | 14181    | 7.53   | ng    | # 63     |
| 20) 3+4-Methylphenols         | 9.157  | 107  | 17937    | 7.37   | ng    | 94       |
| 22) Acetophenone              | 9.228  | 105  | 27534    | 8.32   | ng    | # 82     |
| 24) Nitrobenzene              | 9.616  | 77   | 23827m   | 9.07   | ng    |          |
| 25) Isophorone                | 10.145 | 82   | 36914    | 8.33   | ng    | 97       |
| 26) 2-Nitrophenol             | 10.334 | 139  | 6730     | 7.78   | ng    | 93       |
| 27) 2,4-Dimethylphenol        | 10.381 | 122  | 16022    | 9.44   | ng    | 97       |
| 28) bis(2-Chloroethoxy)met... | 10.622 | 93   | 20536    | 7.70   | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 10.875 | 162  | 15108    | 8.23   | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 11.098 | 180  | 18946    | 8.47   | ng    | 97       |
| 31) Naphthalene               | 11.292 | 128  | 50080    | 8.13   | ng    | 96       |
| 32) Benzoic acid              | 10.422 | 122  | 5189     | 5.19   | ng    | 95       |
| 33) 4-Chloroaniline           | 11.381 | 127  | 21009    | 7.75   | ng    | 97       |
| 34) Hexachlorobutadiene       | 11.575 | 225  | 11856    | 8.17   | ng    | 90       |
| 35) Caprolactam               | 12.104 | 113  | 4268     | 6.97   | ng    | # 46     |
| 36) 4-Chloro-3-methylphenol   | 12.469 | 107  | 16798    | 7.87   | ng    | 93       |
| 37) 2-Methylnaphthalene       | 12.875 | 142  | 35806    | 8.19   | ng    | 96       |
| 38) 1-Methylnaphthalene       | 13.086 | 142  | 32967    | 7.96   | ng    | 96       |
| 40) 1,2,4,5-Tetrachloroben... | 13.233 | 216  | 19422    | 8.81   | ng    | 97       |
| 41) Hexachlorocyclopentadiene | 13.216 | 237  | 11962    | 9.97   | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 13.457 | 196  | 11458    | 7.99   | ng    | 97       |

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| Compound                      | R.T.   | QIon | Response | Conc | Units | Dev(Min) |     |
|-------------------------------|--------|------|----------|------|-------|----------|-----|
| 44) 2,4,5-Trichlorophenol     | 13.522 | 196  | 12526    | 8.16 | ng    | #        | 91  |
| 46) 1,1'-Biphenyl             | 13.857 | 154  | 45089    | 8.45 | ng    |          | 100 |
| 47) 2-Chloronaphthalene       | 13.904 | 162  | 36281    | 8.21 | ng    |          | 93  |
| 48) 2-Nitroaniline            | 14.086 | 65   | 10549    | 7.10 | ng    |          | 93  |
| 49) Acenaphthylene            | 14.739 | 152  | 53667    | 8.04 | ng    |          | 97  |
| 50) Dimethylphthalate         | 14.451 | 163  | 44079    | 7.88 | ng    |          | 99  |
| 51) 2,6-Dinitrotoluene        | 14.563 | 165  | 8973     | 8.17 | ng    | #        | 78  |
| 52) Acenaphthene              | 15.074 | 154  | 35001    | 8.00 | ng    |          | 95  |
| 53) 3-Nitroaniline            | 14.892 | 138  | 8816     | 7.08 | ng    | #        | 89  |
| 54) 2,4-Dinitrophenol         | 15.086 | 184  | 3411     | 7.35 | ng    | #        | 1   |
| 55) Dibenzofuran              | 15.404 | 168  | 54163    | 8.32 | ng    |          | 95  |
| 56) 4-Nitrophenol             | 15.169 | 139  | 7211     | 7.14 | ng    | #        | 86  |
| 57) 2,4-Dinitrotoluene        | 15.339 | 165  | 10823    | 7.27 | ng    | #        | 79  |
| 58) Fluorene                  | 16.045 | 166  | 43814    | 8.21 | ng    |          | 94  |
| 59) 2,3,4,6-Tetrachlorophenol | 15.616 | 232  | 10240    | 7.60 | ng    | #        | 89  |
| 60) Diethylphthalate          | 15.792 | 149  | 44080    | 7.73 | ng    |          | 97  |
| 61) 4-Chlorophenyl-phenyle... | 16.027 | 204  | 22377    | 8.15 | ng    |          | 94  |
| 62) 4-Nitroaniline            | 16.033 | 138  | 9825     | 6.96 | ng    |          | 90  |
| 63) Azobenzene                | 16.321 | 77   | 48269    | 8.17 | ng    |          | 88  |
| 65) 4,6-Dinitro-2-methylph... | 16.092 | 198  | 4928     | 8.08 | ng    | #        | 67  |
| 66) n-Nitrosodiphenylamine    | 16.233 | 169  | 37398    | 8.18 | ng    |          | 94  |
| 67) 4-Bromophenyl-phenylether | 16.915 | 248  | 12638    | 7.80 | ng    | #        | 77  |
| 68) Hexachlorobenzene         | 17.033 | 284  | 14476    | 7.70 | ng    | #        | 90  |
| 69) Atrazine                  | 17.157 | 200  | 11846    | 7.65 | ng    |          | 95  |
| 70) Pentachlorophenol         | 17.368 | 266  | 8135     | 7.99 | ng    |          | 92  |
| 71) Phenanthrene              | 17.762 | 178  | 69059    | 8.08 | ng    |          | 96  |
| 72) Anthracene                | 17.857 | 178  | 68609    | 8.21 | ng    |          | 97  |
| 73) Carbazole                 | 18.110 | 167  | 62279    | 7.84 | ng    |          | 97  |
| 74) Di-n-butylphthalate       | 18.651 | 149  | 69302    | 7.43 | ng    | #        | 98  |
| 75) Fluoranthene              | 19.739 | 202  | 79876    | 7.95 | ng    |          | 99  |
| 77) Benzidine                 | 19.904 | 184  | 39560    | 9.14 | ng    |          | 96  |
| 78) Pyrene                    | 20.098 | 202  | 81780    | 7.75 | ng    |          | 99  |
| 80) Butylbenzylphthalate      | 20.951 | 149  | 26707    | 6.69 | ng    |          | 91  |
| 81) Benzo(a)anthracene        | 21.809 | 228  | 80711    | 7.86 | ng    |          | 98  |
| 82) 3,3'-Dichlorobenzidine    | 21.727 | 252  | 29494    | 8.37 | ng    | #        | 99  |
| 83) Chrysene                  | 21.862 | 228  | 79422    | 8.02 | ng    |          | 99  |
| 84) Bis(2-ethylhexyl)phtha... | 21.709 | 149  | 42996    | 7.37 | ng    | #        | 95  |
| 85) Di-n-octyl phthalate      | 22.656 | 149  | 70564    | 7.16 | ng    | #        | 86  |
| 87) Indeno(1,2,3-cd)pyrene    | 26.815 | 276  | 87269    | 7.68 | ng    |          | 98  |
| 88) Benzo(b)fluoranthene      | 23.527 | 252  | 82177    | 7.75 | ng    |          | 99  |
| 89) Benzo(k)fluoranthene      | 23.574 | 252  | 80824m   | 8.01 | ng    |          |     |
| 90) Benzo(a)pyrene            | 24.162 | 252  | 73841    | 7.55 | ng    |          | 96  |
| 91) Dibenzo(a,h)anthracene    | 26.827 | 278  | 72727    | 7.82 | ng    | #        | 92  |
| 92) Benzo(g,h,i)perylene      | 27.597 | 276  | 73409    | 8.07 | ng    |          | 98  |

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

