

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP053024\  
 Data File : BP020482.D  
 Acq On : 30 May 2024 11:31  
 Operator : MA/JU  
 Sample : P2252-11  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 PT-BNA-SOIL

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 05/30/2024  
 Supervised By :mohammad ahmed 06/01/2024

Quant Time: May 30 11:58:42 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP052924.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 30 03:41:03 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.757  | 152  | 213593   | 20.000  | ng    | -0.01    |
| 21) Naphthalene-d8            | 10.534 | 136  | 760803   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.387 | 164  | 426086   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.198 | 188  | 801210   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.651 | 240  | 779258   | 20.000  | ng    | -0.02    |
| 86) Perylene-d12              | 25.009 | 264  | 943346   | 20.000  | ng    | -0.01    |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.363  | 112  | 1358289  | 113.859 | ng    | -0.01    |
| 7) Phenol-d6                  | 6.916  | 99   | 1769404  | 105.173 | ng    | -0.02    |
| 23) Nitrobenzene-d5           | 8.899  | 82   | 1109342  | 79.818  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol      | 15.904 | 330  | 496369   | 112.251 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.004 | 172  | 2408517  | 84.266  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.927 | 244  | 3518941  | 75.175  | ng    | -0.02    |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 8) 2-Chlorophenol             | 7.322  | 128  | 3081844  | 230.453 | ng    | 100      |
| 13) 1,4-Dichlorobenzene       | 7.793  | 146  | 1343437  | 83.891  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 8.104  | 146  | 1712771  | 110.824 | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.275  | 45   | 1494750  | 70.449  | ng    | 100      |
| 18) Hexachloroethane          | 8.822  | 117  | 214297   | 36.648  | ng    | 98       |
| 24) Nitrobenzene              | 8.951  | 77   | 3670731  | 260.238 | ng    | 99       |
| 25) Isophorone                | 9.469  | 82   | 2508674  | 92.900  | ng    | 100      |
| 26) 2-Nitrophenol             | 9.646  | 139  | 752118   | 127.938 | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.175 | 162  | 1695278  | 154.893 | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 10.393 | 180  | 3098877  | 238.497 | ng    | 98       |
| 34) Hexachlorobutadiene       | 10.863 | 225  | 926727   | 113.225 | ng    | 98       |
| 36) 4-Chloro-3-methylphenol   | 11.804 | 107  | 2258427  | 176.240 | ng    | 99       |
| 37) 2-Methylnaphthalene       | 12.193 | 142  | 831544   | 29.837  | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 12.792 | 196  | 988969   | 132.713 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.251 | 162  | 2779609  | 116.277 | ng    | 99       |
| 49) Acenaphthylene            | 14.104 | 152  | 1676078  | 47.252  | ng    | 100      |
| 50) Dimethylphthalate         | 13.851 | 163  | 4427732  | 147.422 | ng    | 99       |
| 52) Acenaphthene              | 14.451 | 154  | 768159   | 34.331  | ng    | 99       |
| 55) Dibenzofuran              | 14.798 | 168  | 2449273  | 69.102  | ng    | 99       |
| 56) 4-Nitrophenol             | 14.598 | 139  | 735757   | 147.706 | ng    | 98       |
| 58) Fluorene                  | 15.457 | 166  | 4453377  | 156.511 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 15.010 | 232  | 257006   | 36.530  | ng    | 99       |
| 60) Diethylphthalate          | 15.245 | 149  | 5061070  | 165.768 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 16.381 | 248  | 1018004  | 124.195 | ng    | 98       |
| 70) Pentachlorophenol         | 16.828 | 266  | 369522   | 63.069  | ng    | 99       |
| 72) Anthracene                | 17.333 | 178  | 2471296  | 63.945  | ng    | 99       |
| 73) Carbazole                 | 17.622 | 167  | 2682773  | 71.765  | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.227 | 149  | 5034595  | 111.211 | ng    | 100      |
| 75) Fluoranthene              | 19.327 | 202  | 2173405  | 46.645  | ng    | 100      |
| 80) Butylbenzylphthalate      | 20.680 | 149  | 3281231  | 134.396 | ng    | 95       |
| 87) Indeno(1,2,3-cd)pyrene    | 28.827 | 276  | 3344882m | 58.310  | ng    |          |
| 89) Benzo(k)fluoranthene      | 24.021 | 252  | 3875683  | 67.616  | ng    | 100      |
| 90) Benzo(a)pyrene            | 24.857 | 252  | 1967915  | 40.433  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 28.945 | 278  | 5096838  | 106.524 | ng    | 100      |
| 92) Benzo(g,h,i)perylene      | 30.027 | 276  | 3370951  | 70.485  | ng    | 99       |
| -----                         |        |      |          |         |       |          |

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

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