

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM011922\  
 Data File : BM033784.D  
 Acq On : 19 Jan 2022 15:36  
 Operator : CG/JU  
 Sample : N1152-01DL 2X  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 VACLOT-TOPSOIL-01DL

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 01/20/2022  
 Supervised By : Jagrut Upadhyay 01/20/2022

Quant Time: Jan 19 16:22:16 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM011722.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 17 16:30:56 2022  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.948  | 152  | 205317   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.760 | 136  | 803963   | 20.000 | ng    | -0.01    |
| 39) Acenaphthene-d10        | 14.589 | 164  | 457490   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.324 | 188  | 883498   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12            | 21.489 | 240  | 816581   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12            | 23.900 | 264  | 884401   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.496  | 112  | 494384   | 40.460 | ng    | 0.00     |
| 7) Phenol-d6                | 7.101  | 99   | 615389   | 35.749 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 9.107  | 82   | 415697   | 25.446 | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 16.065 | 330  | 194049   | 31.286 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 13.219 | 172  | 808616   | 24.866 | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.936 | 244  | 933349   | 18.954 | ng    | 0.00     |
| Target Compounds            |        |      |          |        |       |          |
|                             |        |      |          |        |       | Qvalue   |
| 31) Naphthalene             | 10.813 | 128  | 271710   | 6.261  | ng    | 99       |
| 37) 2-Methylnaphthalene     | 12.419 | 142  | 88031    | 2.831  | ng    | 98       |
| 52) Acenaphthene            | 14.648 | 154  | 172100   | 6.048  | ng    | 99       |
| 55) Dibenzofuran            | 14.983 | 168  | 160241   | 3.768  | ng    | 99       |
| 58) Fluorene                | 15.630 | 166  | 249205   | 7.435  | ng    | 99       |
| 71) Phenanthrene            | 17.365 | 178  | 2174126  | 44.204 | ng    | 99       |
| 72) Anthracene              | 17.454 | 178  | 631244   | 13.050 | ng    | 99       |
| 73) Carbazole               | 17.718 | 167  | 273524   | 5.794  | ng    | 99       |
| 75) Fluoranthene            | 19.377 | 202  | 2920575  | 53.031 | ng    | 99       |
| 78) Pyrene                  | 19.736 | 202  | 2601387  | 43.120 | ng    | 98       |
| 81) Benzo(a)anthracene      | 21.477 | 228  | 1419882  | 26.271 | ng    | 96       |
| 83) Chrysene                | 21.530 | 228  | 1393766m | 26.998 | ng    |          |
| 87) Indeno(1,2,3-cd)pyrene  | 26.418 | 276  | 970286   | 16.502 | ng    | 97       |
| 88) Benzo(b)fluoranthene    | 23.165 | 252  | 1877651  | 33.258 | ng    | # 94     |
| 89) Benzo(k)fluoranthene    | 23.212 | 252  | 525234m  | 9.289  | ng    |          |
| 90) Benzo(a)pyrene          | 23.794 | 252  | 1449086  | 31.399 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene  | 26.424 | 278  | 241634   | 4.865  | ng    | # 82     |
| 92) Benzo(g,h,i)perylene    | 27.194 | 276  | 976545   | 20.662 | ng    | # 96     |
| -----                       |        |      |          |        |       |          |

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

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