

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090519\  
 Data File : BG042746.D  
 Acq On : 6 Sep 2019 8:46  
 Operator : HP/JU  
 Sample : K4692-04  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-31-COMP

Manual Integrations  
 APPROVED

mohammad  
 9/10/2019 9:51:55 AM

Quant Time: Sep 06 09:28:39 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 22 14:29:15 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)    |
|-----------------------------|-------|------|----------|--------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4   | 7.99  | 152  | 35298    | 20.00  | ng    | -0.01       |
| 21) Naphthalene-d8          | 10.82 | 136  | 123704   | 20.00  | ng    | 0.00        |
| 39) Acenaphthene-d10        | 14.66 | 164  | 87538    | 20.00  | ng    | 0.00        |
| 64) Phenanthrene-d10        | 17.41 | 188  | 202513   | 20.00  | ng    | 0.00        |
| 76) Chrysene-d12            | 21.69 | 240  | 226685   | 20.00  | ng    | 0.00        |
| 87) Perylene-d12            | 24.94 | 264  | 276753   | 20.00  | ng    | 0.00        |
| System Monitoring Compounds |       |      |          |        |       |             |
| 5) 2-Fluorophenol           | 5.55  | 112  | 123429   | 70.82  | ng    | 0.00        |
| 7) Phenol-d6                | 7.16  | 99   | 161610   | 68.65  | ng    | -0.01       |
| 23) Nitrobenzene-d5         | 9.16  | 82   | 97648    | 54.55  | ng    | -0.01       |
| 42) 2,4,6-Tribromophenol    | 16.15 | 330  | 101197   | 81.33  | ng    | -0.01       |
| 45) 2-Fluorobiphenyl        | 13.28 | 172  | 321110   | 62.04  | ng    | 0.00        |
| 79) Terphenyl-d14           | 20.02 | 244  | 587552   | 56.04  | ng    | 0.00        |
| Target Compounds            |       |      |          |        |       |             |
| 10) Phenol                  | 7.19  | 94   | 5028     | 2.101  | ng    | Qvalue # 65 |
| 49) Acenaphthylene          | 14.38 | 152  | 27705    | 3.774  | ng    | 95          |
| 50) Dimethylphthalate       | 14.10 | 163  | 46709    | 7.395  | ng    | 98          |
| 52) Acenaphthene            | 14.72 | 154  | 10152    | 2.278  | ng    | 96          |
| 55) Dibenzofuran            | 15.06 | 168  | 15477    | 2.098  | ng    | 98          |
| 58) Fluorene                | 15.71 | 166  | 18438    | 3.057  | ng    | 96          |
| 71) Phenanthrene            | 17.45 | 178  | 355371   | 35.328 | ng    | 99          |
| 72) Anthracene              | 17.54 | 178  | 82988    | 8.264  | ng    | 98          |
| 73) Carbazole               | 17.82 | 167  | 22497    | 2.514  | ng    | 97          |
| 75) Fluoranthene            | 19.47 | 202  | 755397   | 61.532 | ng    | 96          |
| 78) Pyrene                  | 19.83 | 202  | 719334   | 51.758 | ng    | 99          |
| 81) Benzo(a)anthracene      | 21.67 | 228  | 521350   | 37.807 | ng    | 99          |
| 83) Chrysene                | 21.74 | 228  | 445785   | 33.520 | ng    | 98          |
| 86) Indeno(1,2,3-cd)pyrene  | 28.66 | 276  | 376880   | 20.853 | ng    | # 94        |
| 88) Benzo(b)fluoranthene    | 23.91 | 252  | 677901   | 44.555 | ng    | 99          |
| 89) Benzo(k)fluoranthene    | 23.97 | 252  | 246109m  | 16.828 | ng    |             |
| 90) Benzo(a)pyrene          | 24.79 | 252  | 547193m  | 37.901 | ng    |             |
| 91) Dibenzo(a,h)anthracene  | 28.69 | 278  | 94157m   | 6.441  | ng    |             |
| 92) Benzo(a,h,i)perylene    | 29.81 | 276  | 365896   | 25.026 | ng    | # 96        |

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

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