

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082919\  
 Data File : BN007496.D  
 Acq On : 29 Aug 2019 10:33  
 Operator : HP/JU  
 Sample : PB122591BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB122591BS

Quant Time: Aug 29 12:30:13 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 29 12:18:45 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.40  | 152  | 5861     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.15 | 136  | 24233    | 0.40 | ng    | -0.01    |
| 13) Acenaphthene-d10      | 14.05 | 164  | 12943    | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 16.79 | 188  | 32676    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.02 | 240  | 31854    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.13 | 264  | 32682    | 0.40 | ng    | 0.00     |

|                             |       |     |       |      |    |      |
|-----------------------------|-------|-----|-------|------|----|------|
| System Monitoring Compounds |       |     |       |      |    |      |
| 4) 2-Fluorophenol           | 5.03  | 112 | 6819  | 0.33 | ng | 0.00 |
| 5) Phenol-d6                | 6.59  | 99  | 8925  | 0.34 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 8.53  | 82  | 6673  | 0.32 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 11.75 | 152 | 14656 | 0.36 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 15.55 | 330 | 2347  | 0.35 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 12.66 | 172 | 17494 | 0.34 | ng | 0.00 |
| 25) Fluoranthene-d10        | 18.84 | 212 | 34890 | 0.33 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.46 | 244 | 26161 | 0.31 | ng | 0.00 |

|                                |       |     |       |        |    |      |
|--------------------------------|-------|-----|-------|--------|----|------|
| Target Compounds               |       |     |       | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.00  | 88  | 2310  | 0.237  | ng | # 71 |
| 3) n-Nitrosodimethylamine      | 3.33  | 42  | 1082  | 0.239  | ng | # 58 |
| 6) bis(2-Chloroethyl)ether     | 6.83  | 93  | 6542  | 0.309  | ng | 96   |
| 9) Naphthalene                 | 10.20 | 128 | 21743 | 0.314  | ng | # 90 |
| 10) Hexachlorobutadiene        | 10.51 | 225 | 3835  | 0.270  | ng | # 99 |
| 12) 2-Methylnaphthalene        | 11.83 | 142 | 14689 | 0.311  | ng | 96   |
| 16) Acenaphthylene             | 13.76 | 152 | 22379 | 0.292  | ng | 99   |
| 17) Acenaphthene               | 14.10 | 154 | 13907 | 0.310  | ng | 98   |
| 18) Fluorene                   | 15.10 | 166 | 17862 | 0.315  | ng | 99   |
| 20) 4-Bromophenyl-phenylether  | 16.01 | 248 | 3629  | 0.282  | ng | 93   |
| 21) Hexachlorobenzene          | 16.11 | 284 | 6669  | 0.304  | ng | 96   |
| 22) Pentachlorophenol          | 16.46 | 266 | 3204  | 0.471  | ng | # 63 |
| 23) Phenanthrene               | 16.84 | 178 | 30216 | 0.307  | ng | 99   |
| 24) Anthracene                 | 16.93 | 178 | 27863 | 0.282  | ng | 100  |
| 26) Fluoranthene               | 18.87 | 202 | 39274 | 0.311  | ng | 99   |
| 28) Pyrene                     | 19.24 | 202 | 39907 | 0.311  | ng | 99   |
| 30) Benzo(a)anthracene         | 21.00 | 228 | 35563 | 0.284  | ng | 99   |
| 31) Chrysene                   | 21.06 | 228 | 39047 | 0.323  | ng | 99   |
| 32) Bis(2-ethylhexyl)phthalate | 20.96 | 149 | 18094 | 0.205  | ng | 100  |
| 33) Indeno(1,2,3-cd)pyrene     | 25.20 | 276 | 39940 | 0.275  | ng | 98   |
| 35) Benzo(b)fluoranthene       | 22.51 | 252 | 36594 | 0.309  | ng | 97   |
| 36) Benzo(k)fluoranthene       | 22.55 | 252 | 40193 | 0.343  | ng | # 94 |
| 37) Benzo(a)pyrene             | 23.04 | 252 | 36052 | 0.320  | ng | 97   |
| 38) Dibenzo(a,h)anthracene     | 25.21 | 278 | 32467 | 0.289  | ng | 98   |
| 39) Benzo(g,h,i)perylene       | 25.82 | 276 | 33971 | 0.303  | ng | 99   |

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

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