

Data File : BM010732.D

Acq On : 24 Jun 2017 16:27

Operator : SJ/JU

Sample : I3627-13ME

Misc :

ALS Vial : 47 Sample Multiplier: 1

Instrument :

BNA\_M

ClientSampleId :

F5E24ME

Manual Integrations

APPROVED

mohammad

6/28/2017 7:41:42 AM

Quant Time: Jun 26 07:42:33 2017

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM062017.M

Quant Title : SVOA CALIBRATION

QLast Update : Mon Jun 26 04:54:47 2017

Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.46  | 152  | 61775    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.22 | 136  | 273180   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.11 | 164  | 189069   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 16.87 | 188  | 484142   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.08 | 240  | 591889   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.22 | 264  | 448938   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.08  | 96  | 2243   | 2.08  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.64  | 99  | 51510  | 8.75  | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.81  | 67  | 31524  | 9.38  | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 6.99  | 132 | 38306  | 9.28  | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.16  | 113 | 44734  | 9.17  | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.60  | 128 | 20544  | 10.54 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.32  | 143 | 25099  | 11.18 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.85  | 165 | 48831  | 10.33 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.36 | 131 | 37127  | 7.45  | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.53 | 166 | 185162 | 11.16 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.80 | 160 | 206866 | 10.72 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.32 | 143 | 25063  | 8.58  | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.11 | 176 | 160028 | 11.15 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.24 | 200 | 27401  | 9.22  | ng/ul | 0.00 |
| 70) Anthracene-d10             | 16.96 | 188 | 264341 | 11.31 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.27 | 212 | 330992 | 12.04 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.08 | 264 | 253455 | 11.68 | ng/ul | 0.00 |

## Target Compounds

|                          |       |     |         |       |        | Qvalue |
|--------------------------|-------|-----|---------|-------|--------|--------|
| 28) Naphthalene          | 10.27 | 128 | 1052615 | 77.43 | ng/ul  | 99     |
| 34) 2-Methylnaphthalene  | 11.89 | 142 | 205738  | 18.83 | ng/ul  | 99     |
| 40) 1,1'-Biphenyl        | 12.93 | 154 | 56342   | 3.81  | ng/ul# | 98     |
| 44) Dimethylphthalate    | 13.58 | 163 | 33799   | 2.08  | ng/ul# | 95     |
| 49) Acenaphthene         | 14.17 | 153 | 192118  | 15.49 | ng/ul  | 98     |
| 53) Dibenzofuran         | 14.51 | 168 | 226819  | 12.07 | ng/ul  | 89     |
| 58) Fluorene             | 15.17 | 166 | 247329  | 15.73 | ng/ul  | 99     |
| 69) Phenanthrene         | 16.91 | 178 | 1139516 | 44.27 | ng/ul  | 99     |
| 71) Anthracene           | 17.00 | 178 | 175081  | 6.60  | ng/ul  | 99     |
| 72) Carbazole            | 17.27 | 167 | 74746   | 3.23  | ng/ul# | 94     |
| 74) Fluoranthene         | 18.94 | 202 | 714896  | 21.55 | ng/ul  | 98     |
| 77) Pyrene               | 19.30 | 202 | 472623  | 13.82 | ng/ul  | 97     |
| 80) Benzo(a)anthracene   | 21.06 | 228 | 177794  | 5.16  | ng/ul  | 99     |
| 82) Chrysene             | 21.12 | 228 | 136845  | 4.45  | ng/ul  | 100    |
| 85) Benzo(b)fluoranthene | 22.58 | 252 | 97052   | 3.33  | ng/ul# | 91     |
| 86) Benzo(k)fluoranthene | 22.62 | 252 | 34332m  | 1.24  | ng/ul  |        |
| 88) Benzo(a)pyrene       | 23.12 | 252 | 59109   | 2.20  | ng/ul  | 98     |

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

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