

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\WV122218\  
 Data File : VW007753.D  
 Acq On : 20 Dec 2018 17:58  
 Operator : SY/AP  
 Sample : J6392-13  
 Misc : 7.21G/5ML/MSVOA\_W/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 KY001SB104-121218-(24-26)

Manual Integrations  
 APPROVED

apatel  
 12/21/2018 11:02:54 AM

Quant Time: Dec 21 04:29:42 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W122118S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 20 06:30:23 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 76886    | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.85  | 114  | 127533   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.64 | 117  | 112267   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 46461    | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.30  | 65   | 71645    | 85.02 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 170.04% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 67831    | 87.18 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 174.36% |          |
| 50) Toluene-d8              | 10.34 | 98   | 274336   | 93.53 | ug/l    | 0.01     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 187.06% |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 107390   | 94.78 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 189.56% |          |

| Target Compounds           | R.T.  | QIon | Response  | Conc      | Units  | Qvalue |
|----------------------------|-------|------|-----------|-----------|--------|--------|
| 31) Cyclohexane            | 7.94  | 56   | 1276372   | 1017.462  | ug/l # | 56     |
| 39) Methylcyclohexane      | 9.34  | 83   | 1775680   | 1160.914  | ug/l # | 87     |
| 40) Benzene                | 8.32  | 78   | 2858624   | 870.285   | ug/l   | 99     |
| 52) Toluene                | 10.40 | 92   | 27674215m | 12557.443 | ug/l   |        |
| 67) Ethyl Benzene          | 11.74 | 91   | 18361331  | 4403.449  | ug/l # | 88     |
| 68) m/p-Xylenes            | 11.86 | 106  | 20370516  | 12593.741 | ug/l # | 1      |
| 69) o-Xylene               | 12.18 | 106  | 11287734  | 7444.707  | ug/l   | 74     |
| 73) Isopropylbenzene       | 12.47 | 105  | 3783496   | 1077.326  | ug/l   | 99     |
| 78) n-propylbenzene        | 12.81 | 91   | 6774425   | 1657.102  | ug/l   | 99     |
| 80) 1,3,5-Trimethylbenzene | 12.96 | 105  | 7662931   | 2529.608  | ug/l   | 96     |
| 84) 1,2,4-Trimethylbenzene | 13.26 | 105  | 19822677  | 6484.933  | ug/l   | 83     |
| 85) sec-Butylbenzene       | 13.39 | 105  | 410028m   | 111.933   | ug/l   |        |
| 86) p-Isopropyltoluene     | 13.51 | 119  | 2162589   | 649.237   | ug/l   | 99     |
| 89) n-Butylbenzene         | 13.83 | 91   | 651218    | 213.228   | ug/l # | 68     |
| 95) Naphthalene            | 15.38 | 128  | 4400411   | 2396.490  | ug/l   | 99     |

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

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