

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\WV122218\  
 Data File : VW007751.D  
 Acq On : 20 Dec 2018 17:07  
 Operator : SY/AP  
 Sample : J6392-11  
 Misc : 6.81G/5ML/MSVOA\_W/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 KY001SB104-121218(20-22)

Manual Integrations  
 APPROVED

apatel  
 12/21/2018 11:02:47 AM

Quant Time: Dec 21 04:21:45 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       | 8.06  | 168  | 39023m    | 50.00      | ug/l    | 0.12     |
| 34) 1,4-Difluorobenzene     | 8.93  | 114  | 81799     | 50.00      | ug/l    | 0.09     |
| 63) Chlorobenzene-d5        | 11.65 | 117  | 55778m    | 50.00      | ug/l    | 0.01     |
| 72) 1,4-Dichlorobenzene-d4  | 13.57 | 152  | 8641      | 50.00      | ug/l    | 0.01     |
| System Monitoring Compounds |       |      |           |            |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.32  | 65   | 67776m    | 158.46     | ug/l    | 0.02     |
| Spiked Amount 50.000        |       |      | Recovery  | =          | 316.92% |          |
| 35) Dibromofluoromethane    | 7.95  | 113  | 20621     | 41.32      | ug/l    | 0.07     |
| Spiked Amount 50.000        |       |      | Recovery  | =          | 82.64%  |          |
| 50) Toluene-d8              | 10.40 | 98   | 497221    | 264.31     | ug/l    | 0.07     |
| Spiked Amount 50.000        |       |      | Recovery  | =          | 528.62% |          |
| 62) 4-Bromofluorobenzene    | 12.63 | 95   | 121618    | 167.34     | ug/l    | 0.01     |
| Spiked Amount 50.000        |       |      | Recovery  | =          | 334.68% |          |
| Target Compounds            |       |      |           |            |         |          |
|                             |       |      |           |            | Qvalue  |          |
| 31) Cyclohexane             | 8.12  | 56   | 21049624  | 33060.700  | ug/l #  | 28       |
| 39) Methylcyclohexane       | 9.42  | 83   | 20825701  | 21228.027  | ug/l #  | 76       |
| 40) Benzene                 | 8.43  | 78   | 7051175   | 3346.884   | ug/l    | 99       |
| 52) Toluene                 | 10.45 | 92   | 88956486m | 62932.954  | ug/l    |          |
| 67) Ethyl Benzene           | 11.73 | 91   | 92924570m | 44854.766  | ug/l    |          |
| 68) m/p-Xylenes             | 11.93 | 106  | 33206874m | 41320.911  | ug/l    |          |
| 69) o-Xylene                | 12.23 | 106  | 33019617  | 43833.089  | ug/l #  | 1        |
| 73) Isopropylbenzene        | 12.49 | 105  | 20117387  | 30799.935  | ug/l    | 90       |
| 78) n-propylbenzene         | 12.82 | 91   | 28681220m | 37722.367  | ug/l    |          |
| 80) 1,3,5-Trimethylbenzene  | 12.88 | 105  | 64474851m | 114438.791 | ug/l    |          |
| 84) 1,2,4-Trimethylbenzene  | 13.26 | 105  | 31058870m | 54632.794  | ug/l    |          |
| 85) sec-Butylbenzene        | 13.40 | 105  | 1764450   | 2589.864   | ug/l #  | 47       |
| 86) p-Isopropyltoluene      | 13.51 | 119  | 13274802  | 21428.008  | ug/l    | 97       |
| 89) n-Butylbenzene          | 13.83 | 91   | 1960171   | 3450.938   | ug/l #  | 78       |
| 95) Naphthalene             | 15.37 | 128  | 1169436   | 3424.392   | ug/l    | 100      |

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

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