

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_L\DATA\VL101718\  
 Data File : VL032644.D  
 Acq On : 17 Oct 2018 16:59  
 Operator : SY/AP  
 Sample : J5500-01DL 40X  
 Misc : 400ml/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SS08-MIVIDL

Manual Integrations  
 APPROVED

MMDadoda  
 10/19/2018 4:36:38 PM

Quant Time: Oct 19 03:13:18 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL101718AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Wed Oct 18 2018  
 QLast Update : Wed Oct 17 08:55:11 2018  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.78  | 49   | 1091830  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.31  | 114  | 2583692  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.26 | 117  | 2573970  | 10.00 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.60  | 95    | 2029381  | 10.47    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 104.70% |

| Target Compounds           | R.T.  | QIon | Response | Conc  | Units  | Qvalue |
|----------------------------|-------|------|----------|-------|--------|--------|
| 4) Chloromethane           | 3.18  | 50   | 8055m    | 0.16  | ppbv   |        |
| 9) Propene                 | 3.06  | 41   | 153698m  | 4.59  | ppbv   |        |
| 10) Heptane                | 8.27  | 43   | 571793   | 4.56  | ppbv   | 99     |
| 13) Ethanol                | 3.68  | 45   | 17967m   | 1.73  | ppbv   |        |
| 26) Hexane                 | 5.80  | 57   | 1005883  | 9.71  | ppbv # | 43     |
| 29) Chloroform             | 5.86  | 83   | 102770   | 0.57  | ppbv   | 86     |
| 30) Cyclohexane            | 7.27  | 84   | 1346670  | 16.49 | ppbv   | 99     |
| 35) Carbon Tetrachloride   | 7.16  | 117  | 24498m   | 0.12  | ppbv   |        |
| 36) Benzene                | 7.03  | 78   | 229448   | 1.10  | ppbv   | 99     |
| 52) Tetrachloroethene      | 11.40 | 164  | 21814m   | 0.32  | ppbv   |        |
| 53) Toluene                | 9.97  | 91   | 3299048  | 13.82 | ppbv   | 100    |
| 58) Ethyl Benzene          | 12.89 | 91   | 1046515  | 3.62  | ppbv   | 96     |
| 59) m/p-Xylene             | 13.14 | 91   | 2331189  | 9.03  | ppbv   | 99     |
| 60) o-Xylene               | 13.87 | 91   | 743411   | 2.89  | ppbv   | 98     |
| 62) Isopropylbenzene       | 14.84 | 105  | 40985m   | 0.11  | ppbv   |        |
| 64) n-propylbenzene        | 15.74 | 120  | 21210m   | 0.23  | ppbv   |        |
| 72) 4-Ethyltoluene         | 16.02 | 105  | 187827   | 0.68  | ppbv   | 98     |
| 73) 1,3,5-Trimethylbenzene | 16.18 | 105  | 101233   | 0.37  | ppbv   | 90     |
| 74) 1,2,4-Trimethylbenzene | 16.95 | 105  | 305147   | 1.00  | ppbv # | 78     |

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

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