

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121718\  
 Data File : VL033008.D  
 Acq On : 17 Dec 2018 23:11  
 Operator : SY/AP  
 Sample : J6382-05  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 P0068-IA001-181212-01

Manual Integrations  
 APPROVED

MMDadoda  
 12/19/2018 5:36:46 PM

Quant Time: Dec 19 15:31:58 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120718AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Dec 0  
 QLast Update : Fri Dec 07 09:35:17 2018  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.77  | 49   | 1106861  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.30  | 114  | 2769376  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.25 | 117  | 2982107  | 10.00 | ppbv  | 0.00     |

|                             |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| System Monitoring Compounds |        |       |          |          |      |        |
| 68) 1-Bromo-4-Fluorobenzene | 14.59  | 95    | 2126195  | 9.65     | ppbv | 0.00   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 96.50% |

| Target Compounds             | R.T.  | QIon | Response | Conc    | Units  | Ovalue |
|------------------------------|-------|------|----------|---------|--------|--------|
| 2) Dichlorodifluoromethane   | 3.08  | 85   | 96508    | 0.653   | ppbv   | 100    |
| 4) Chloromethane             | 3.17  | 50   | 67165    | 1.376   | ppbv   | 99     |
| 10) Heptane                  | 8.26  | 43   | 489276   | 3.930   | ppbv   | 100    |
| 11) Trichlorofluoromethane   | 4.01  | 101  | 40986    | 0.294   | ppbv   | 98     |
| 13) Ethanol                  | 3.67  | 45   | 2860037  | 250.606 | ppbv   | 96     |
| 15) Acetone                  | 3.91  | 43   | 1058310  | 11.140  | ppbv # | 56     |
| 20) Methylene Chloride       | 4.42  | 84   | 62171    | 1.339   | ppbv # | 95     |
| 22) trans-1,2-Dichloroethene | 4.97  | 96   | 151871   | 2.631   | ppbv   | 95     |
| 26) Hexane                   | 5.79  | 57   | 1222686  | 11.800  | ppbv # | 44     |
| 30) Cyclohexane              | 7.26  | 84   | 210548   | 2.452   | ppbv   | 86     |
| 34) 2-Butanone               | 5.34  | 43   | 162574   | 1.348   | ppbv   | 100    |
| 35) Carbon Tetrachloride     | 7.14  | 117  | 13172m   | 0.061   | ppbv   |        |
| 36) Benzene                  | 7.01  | 78   | 1453147  | 7.134   | ppbv   | 98     |
| 44) 2,2,4-Trimethylpentane   | 8.00  | 57   | 3230656  | 9.344   | ppbv   | 96     |
| 52) Tetrachloroethene        | 11.38 | 164  | 79445    | 1.072   | ppbv   | 96     |
| 53) Toluene                  | 9.96  | 91   | 7218000  | 33.412  | ppbv   | 97     |
| 58) Ethyl Benzene            | 12.87 | 91   | 1574832  | 4.950   | ppbv   | 100    |
| 59) m/p-Xylene               | 13.13 | 91   | 5119275  | 17.750  | ppbv # | 100    |
| 60) o-Xylene                 | 13.86 | 91   | 1612611  | 5.537   | ppbv   | 100    |
| 61) Styrene                  | 13.70 | 104  | 36296m   | 0.187   | ppbv   |        |
| 62) Isopropylbenzene         | 14.84 | 105  | 51316    | 0.126   | ppbv   | 94     |
| 72) 4-Ethyltoluene           | 16.01 | 105  | 533664   | 1.641   | ppbv   | 99     |
| 73) 1,3,5-Trimethylbenzene   | 16.16 | 105  | 334138   | 1.053   | ppbv   | 98     |
| 74) 1,2,4-Trimethylbenzene   | 16.93 | 105  | 1494391  | 4.169   | ppbv # | 69     |
| 79) Naphthalene              | 22.43 | 128  | 59610m   | 0.258   | ppbv   |        |

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

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