

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL012821\  
 Data File : VL036285.D  
 Acq On : 28 Jan 2021 23:52  
 Operator : SY/AP  
 Sample : M1245-03  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SS-3

Manual Integrations  
 APPROVED

MMDadoda  
 2/1/2021 1:52:44 PM

Quant Time: Jan 29 03:24:58 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Thu Jan 14 2021  
 QLast Update : Thu Jan 14 16:13:38 2021  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.66  | 49   | 1399962  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.17  | 114  | 3154338  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.08 | 117  | 2960952  | 10.00 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.41  | 95    | 2583866  | 10.54    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 105.40% |

| Target Compounds               | R.T.  | QIon | Response | Conc    | Units  | Ovalue |
|--------------------------------|-------|------|----------|---------|--------|--------|
| 2) Dichlorodifluoromethane     | 3.04  | 85   | 40289m   | 0.215   | ppbv   |        |
| 3) Chlorodifluoromethane       | 2.98  | 51   | 155055   | 0.902   | ppbv   | 95     |
| 4) Chloromethane               | 3.13  | 50   | 48686    | 0.573   | ppbv   | 95     |
| 9) Propene                     | 3.01  | 41   | 136738m  | 1.670   | ppbv   |        |
| 10) Heptane                    | 8.11  | 43   | 890636   | 4.382   | ppbv   | 99     |
| 11) Trichlorofluoromethane     | 3.93  | 101  | 56032    | 0.294   | ppbv   | 88     |
| 12) 1,1,2-Trichlorotrifluoroet | 4.47  | 101  | 12667m   | 0.110   | ppbv   |        |
| 13) Ethanol                    | 3.61  | 45   | 2544871  | 197.947 | ppbv   | 86     |
| 15) Acetone                    | 3.83  | 43   | 4130212  | 24.089  | ppbv   | 92     |
| 17) tert-Butyl alcohol         | 4.30  | 59   | 227698m  | 1.609   | ppbv   |        |
| 19) Isopropyl Alcohol          | 3.98  | 45   | 4811624  | 46.550  | ppbv # | 98     |
| 20) Methylene Chloride         | 4.33  | 84   | 460480   | 8.415   | ppbv   | 99     |
| 26) Hexane                     | 5.68  | 57   | 1784576  | 12.452  | ppbv # | 38     |
| 27) Carbon Disulfide           | 4.54  | 76   | 44491    | 0.388   | ppbv # | 78     |
| 29) Chloroform                 | 5.74  | 83   | 27440m   | 0.134   | ppbv   |        |
| 30) Cyclohexane                | 7.12  | 84   | 219867   | 2.008   | ppbv # | 84     |
| 34) 2-Butanone                 | 5.24  | 43   | 209375   | 0.901   | ppbv   | 99     |
| 35) Carbon Tetrachloride       | 7.01  | 117  | 15863m   | 0.080   | ppbv   |        |
| 36) Benzene                    | 6.88  | 78   | 916098   | 3.170   | ppbv   | 95     |
| 38) Trichloroethene            | 7.82  | 130  | 38999m   | 0.364   | ppbv   |        |
| 44) 2,2,4-Trimethylpentane     | 7.86  | 57   | 1090768  | 2.055   | ppbv # | 86     |
| 52) Tetrachloroethene          | 11.22 | 164  | 16935m   | 0.159   | ppbv   |        |
| 53) Toluene                    | 9.80  | 91   | 8277130  | 25.601  | ppbv   | 96     |
| 58) Ethyl Benzene              | 12.70 | 91   | 2173376  | 4.946   | ppbv   | 97     |
| 59) m/p-Xylene                 | 12.96 | 91   | 6340649  | 16.794  | ppbv   | 95     |
| 60) o-Xylene                   | 13.68 | 91   | 2201626  | 6.049   | ppbv   | 99     |
| 62) Isopropylbenzene           | 14.66 | 105  | 99008    | 0.183   | ppbv   | 96     |
| 65) tert-Butylbenzene          | 16.75 | 119  | 194712m  | 0.425   | ppbv   |        |
| 70) n-Butylbenzene             | 18.55 | 91   | 115670m  | 0.201   | ppbv   |        |
| 72) 4-Ethyltoluene             | 15.83 | 105  | 660118   | 1.607   | ppbv   | 97     |
| 73) 1,3,5-Trimethylbenzene     | 15.99 | 105  | 430174   | 1.099   | ppbv   | 93     |
| 74) 1,2,4-Trimethylbenzene     | 16.75 | 105  | 1737184  | 4.326   | ppbv # | 70     |
| 75) 1,3-Dichlorobenzene        | 16.99 | 146  | 33798m   | 0.157   | ppbv   |        |
| 79) Naphthalene                | 22.20 | 128  | 45771m   | 0.195   | ppbv   |        |

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

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