

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040621\  
 Data File : VL036719.D  
 Acq On : 7 Apr 2021 7:39  
 Operator : SY/AP  
 Sample : VIBLK  
 Misc : 400mL/MSVOA L  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VIBLK

Manual Integrations  
 APPROVED

MMDadoda  
 4/12/2021 11:11:58 AM

Quant Time: Apr 08 01:27:22 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Thu Mar 2  
 QLast Update : Thu Mar 25 09:42:40 2021  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.66  | 49   | 1217940  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.17  | 114  | 3022062  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.08 | 117  | 2669275  | 10.00 | ppbv  | 0.00     |

|                             |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| System Monitoring Compounds |        |       |          |          |      |        |
| 68) 1-Bromo-4-Fluorobenzene | 14.41  | 95    | 2102814  | 9.88     | ppbv | 0.00   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 98.80% |

| Target Compounds               |       |     |         |            | Ovalue |
|--------------------------------|-------|-----|---------|------------|--------|
| 2) Dichlorodifluoromethane     | 3.05  | 85  | 24478   | 0.123 ppbv | # 81   |
| 3) Chlorodifluoromethane       | 2.98  | 51  | 43915   | 0.193 ppbv | 97     |
| 4) Chloromethane               | 3.13  | 50  | 12063m  | 0.150 ppbv |        |
| 5) Vinyl Chloride              | 3.26  | 62  | 11149m  | 0.135 ppbv |        |
| 6) Bromomethane                | 3.47  | 94  | 7609m   | 0.167 ppbv |        |
| 7) Chloroethane                | 3.56  | 64  | 4900m   | 0.173 ppbv |        |
| 8) Dichlorotetrafluoroethane   | 3.18  | 85  | 30659   | 0.162 ppbv | 96     |
| 9) Propene                     | 3.01  | 41  | 19035m  | 0.262 ppbv |        |
| 10) Heptane                    | 8.12  | 43  | 40813   | 0.221 ppbv | # 28   |
| 11) Trichlorofluoromethane     | 3.95  | 101 | 33067   | 0.163 ppbv | 84     |
| 12) 1,1,2-Trichlorotrifluoroet | 4.48  | 101 | 19133   | 0.148 ppbv | 86     |
| 13) Ethanol                    | 3.62  | 45  | 9054m   | 1.048 ppbv |        |
| 14) Bromoethene                | 3.74  | 108 | 8476m   | 0.158 ppbv |        |
| 15) Acetone                    | 3.87  | 43  | 545259  | 4.549 ppbv | # 67   |
| 17) tert-Butyl alcohol         | 4.34  | 59  | 16551m  | 0.159 ppbv |        |
| 18) 1,1-Dichloroethene         | 4.29  | 96  | 8993m   | 0.156 ppbv |        |
| 19) Isopropyl Alcohol          | 4.00  | 45  | 18247m  | 0.277 ppbv |        |
| 20) Methylene Chloride         | 4.34  | 84  | 22484m  | 0.401 ppbv |        |
| 22) trans-1,2-Dichloroethene   | 4.88  | 96  | 9055m   | 0.170 ppbv |        |
| 24) 1,1-Dichloroethane         | 5.01  | 63  | 22893m  | 0.153 ppbv |        |
| 26) Hexane                     | 5.68  | 57  | 102672  | 0.776 ppbv | # 52   |
| 27) Carbon Disulfide           | 4.54  | 76  | 13924m  | 0.107 ppbv |        |
| 28) Methyl tert-Butyl Ether    | 5.05  | 73  | 24363m  | 0.156 ppbv |        |
| 29) Chloroform                 | 5.74  | 83  | 33113   | 0.157 ppbv | 88     |
| 30) Cyclohexane                | 7.13  | 84  | 35990m  | 0.336 ppbv |        |
| 31) cis-1,2-Dichloroethene     | 5.55  | 61  | 19672m  | 0.154 ppbv |        |
| 32) 1,1,1-Trichloroethane      | 6.51  | 97  | 32764m  | 0.154 ppbv |        |
| 34) 2-Butanone                 | 5.27  | 43  | 29636m  | 0.201 ppbv |        |
| 35) Carbon Tetrachloride       | 7.01  | 117 | 29506m  | 0.127 ppbv |        |
| 36) Benzene                    | 6.88  | 78  | 59714m  | 0.214 ppbv |        |
| 38) Trichloroethene            | 7.82  | 130 | 16164m  | 0.149 ppbv |        |
| 42) Bromodichloromethane       | 7.79  | 83  | 27803m  | 0.125 ppbv |        |
| 44) 2,2,4-Trimethylpentane     | 7.87  | 57  | 1041050 | 2.122 ppbv | 97     |
| 47) 1,1,2-Trichloroethane      | 9.47  | 97  | 17333m  | 0.151 ppbv |        |
| 52) Tetrachloroethene          | 11.21 | 164 | 16117m  | 0.157 ppbv |        |
| 53) Toluene                    | 9.80  | 91  | 46957m  | 0.158 ppbv |        |
| 54) 1,2-Dibromoethane          | 10.61 | 107 | 21693m  | 0.134 ppbv |        |
| 57) Chlorobenzene              | 12.15 | 112 | 37341m  | 0.164 ppbv |        |
| 58) Ethyl Benzene              | 12.71 | 91  | 41654m  | 0.107 ppbv |        |
| 59) m/p-Xylene                 | 13.00 | 91  | 65576m  | 0.194 ppbv |        |
| 60) o-Xylene                   | 13.69 | 91  | 40094m  | 0.122 ppbv |        |

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QLast Update : Thu Mar 25 09:42:40 2021  
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| Internal Standards            | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|-------|------|----------|-------|-------|----------|
| 62) Isopropylbenzene          | 14.67 | 105  | 53986m   | 0.122 | ppbv  |          |
| 63) 1,1,2,2-Tetrachloroethane | 13.68 | 83   | 35878m   | 0.144 | ppbv  |          |
| 65) tert-Butylbenzene         | 16.75 | 119  | 36518m   | 0.095 | ppbv  |          |

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

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