

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062418\  
 Data File : VW003524.D  
 Acq On : 24 Jun 2018 21:06  
 Operator : SY/AP  
 Sample : J3669-26  
 Misc : 6.34G/5ML/MSVOA W/SOIL  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 DUP-0479-180620

Manual Integrations  
 APPROVED

apatel  
 6/26/2018 4:14:53 PM

Quant Time: Jun 25 01:40:59 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W061318S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 16 05:18:54 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 176449   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.85  | 114  | 302273   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 267617   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 131664   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.31   | 65  | 110559   | 57.85 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 115.70% |      |
| 35) Dibromofluoromethane  | 7.88   | 113 | 96525    | 51.39 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.78% |      |
| 50) Toluene-d8            | 10.33  | 98  | 349183   | 46.89 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 93.78%  |      |
| 62) 4-Bromofluorobenzene  | 12.62  | 95  | 133403   | 50.61 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.22% |      |

## Target Compounds

|                              |       |     |           |          |        | Qvalue |
|------------------------------|-------|-----|-----------|----------|--------|--------|
| 4) Vinyl Chloride            | 2.36  | 62  | 1228349   | 625.17   | ug/l   | 99     |
| 12) 1,1-Dichloroethene       | 4.03  | 96  | 134316    | 84.09    | ug/l   | 97     |
| 16) Acetone                  | 4.15  | 43  | 58400     | 145.69   | ug/l   | 100    |
| 17) Carbon Disulfide         | 4.37  | 76  | 13754     | 2.91     | ug/l   | 99     |
| 20) Methylene Chloride       | 4.91  | 84  | 23017     | 10.63    | ug/l   | 98     |
| 21) trans-1,2-Dichloroethene | 5.42  | 96  | 34034     | 19.58    | ug/l   | 99     |
| 27) cis-1,2-Dichloroethene   | 7.15  | 96  | 28757109m | 15058.78 | ug/l   |        |
| 30) Chloroform               | 7.68  | 83  | 20327     | 6.04     | ug/l   | 97     |
| 31) Cyclohexane              | 7.95  | 56  | 33422     | 10.82    | ug/l # | 92     |
| 39) Methylcyclohexane        | 9.34  | 83  | 59445     | 17.60    | ug/l   | 96     |
| 40) Benzene                  | 8.33  | 78  | 104323    | 12.96    | ug/l   | 100    |
| 44) Trichloroethene          | 9.09  | 130 | 24073571m | 11290.77 | ug/l   |        |
| 52) Toluene                  | 10.39 | 92  | 40076     | 7.77     | ug/l   | 100    |
| 55) 1,1,2-Trichloroethane    | 10.79 | 97  | 20247     | 13.70    | ug/l   | 92     |
| 64) Tetrachloroethene        | 10.87 | 164 | 8969      | 5.01     | ug/l   | 99     |
| 65) Chlorobenzene            | 11.66 | 112 | 147825    | 26.53    | ug/l   | 99     |
| 67) Ethyl Benzene            | 11.74 | 91  | 23753     | 2.40     | ug/l   | 99     |
| 68) m/p-Xylenes              | 11.85 | 106 | 7106      | 1.89     | ug/l   | 100    |
| 73) Isopropylbenzene         | 12.47 | 105 | 24798     | 2.71     | ug/l   | 98     |
| 78) n-propylbenzene          | 12.81 | 91  | 15920     | 1.42     | ug/l   | 100    |
| 83) tert-Butylbenzene        | 13.21 | 119 | 22820     | 3.48     | ug/l   | 97     |
| 85) sec-Butylbenzene         | 13.39 | 105 | 58134     | 5.97     | ug/l # | 61     |
| 87) 1,3-Dichlorobenzene      | 13.51 | 146 | 44003     | 10.04    | ug/l   | 96     |
| 88) 1,4-Dichlorobenzene      | 13.58 | 146 | 88101     | 20.23    | ug/l   | 97     |
| 89) n-Butylbenzene           | 13.83 | 91  | 20734     | 2.48     | ug/l   | 95     |
| 91) 1,2-Dichlorobenzene      | 13.88 | 146 | 225376    | 58.72    | ug/l   | 99     |
| 95) Naphthalene              | 15.38 | 128 | 9394      | 2.06     | ug/l # | 91     |

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

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