User: Huhn, William
Westchester Dept. of Labs & Research
Date: 01/18/2002 Time: 13:59:51

Sample: AE01228
Analysis: $B1524 Volatile Organic Compounds-Blank
Units: ug
Started: 1/16/02 00:09 Ended: 1/16/02 00:09 Analyst: BH
Result source: a:\0116b1.rr
Page: 1

| | Component Name | Vial | Result |
|---|---|---|---|
| 1 | Surr - 1,2-DICHLOROETHANE- | | 5.9 |
| 2 | Surr - 4-BROMOFLUOROBENZ | | 3.9 |
| 3 | DICHLORODIFLUOROMETHAN | | < MDL |
| 4 | CHLOROMETHANE | | 0.24 |
| 5 | VINYL CHLORIDE | | < MDL |
| 6 | BROMOMETHANE | | < MDL |
| 7 | CHLOROETHANE | | < MDL |
| 8 | TRICHLOROFLUOROMETHAN | | < MDL |
| 9 | ACETONE | | 5.3 |
| 10 | 1,1-DICHLOROETHENE | | < MDL |
| 11 | METHYLENE CHLORIDE | | < MDL |
| 12 | METHYL TERT BUTYL ETHER | | < MDL |
| 13 | TRANS-1,2-DICHLOROETHEN | | < MDL |
| 14 | 1,1-DICHLOROETHANE | | < MDL |
| 15 | 2-BUTANONE (MEK) | | 0.26 |
| 16 | 2,2-DICHLOROPROPANE | | < MDL |
| 17 | CIS,1,2-DICHLOROETHENE | | < MDL |
| 18 | CHLOROFORM | | < MDL |
| 19 | BROMOCHLOROMETHANE | | < MDL |
| 20 | 1,2-DICHLOROETHANE | | < MDL |
| 21 | Surr - TOLUENE-D8 | | 5.3 |
| 22 | 1,1,1-TRICHLOROETHANE | | < MDL |
| 23 | 1,1-DICHLOROPROPENE | | < MDL |
| 24 | CARBON TETRACHLORIDE | | < MDL |
| 25 | BENZENE | | < MDL |
| 26 | TRICHLOROETHENE | | < MDL |
| 27 | 1,2-DICHLOROPROPANE | | < MDL |
| 28 | DIBROMOMETHANE | | < MDL |
| 29 | BROMODICHLOROMETHANE | | < MDL |
| 30 | 2-CHLOROETHYL VINYL ETHE | | < MDL |
| 31 | MIBK | | < MDL |
| 32 | CIS-1,3-DICHLOROPROPENE | | < MDL |
| 33 | TOLUENE | | < MDL |
| 34 | TRANS-1,3-DICHLOROPROPE | | < MDL |
| 35 | 1,1,2-TRICHLOROETHANE | | < MDL |
| 36 | TETRACHLOROETHENE | | < MDL |
| 37 | 1,3-DICHLOROPROPANE | | < MDL |
| 38 | DIBROMOCHLOROMETHANE | | < MDL |
| 39 | 1,2-DIBROMOETHANE | | < MDL |
| 40 | CHLOROBENZENE | | < MDL |
| 41 | 1,1,1,2-TETRACHLOROETHA | | < MDL |
| 42 | 2-HEXANONE | | 0.72 |
| 43 | ETHYLBENZENE | | < MDL |
| 44 | P & M-XYLENE | | < MDL |
| 45 | O-XYLENE | | < MDL |
| 46 | STYRENE | | < MDL |
| 47 | 1,1,2,2-TETRACHLOROETHA | | < MDL |
| 48 | BROMOFORM | | < MDL |

Reviewed by,

qualitative results only for this day

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 01/18/2002 Time: 13:59:51

Sample: AE01228
Analysis: $B1524 Volatile Organic Compounds-Blank
Units: ug
Started: 1/16/02 00:09 Ended: 1/16/02 00:09 Analyst: BH
Result source: a:\0116b1.rr
Page: 1

| | Component Name | Viol | Result |
|---|---|---|---|
| 1 | Surr - 1,2-DICHLOROETHANE- | | 5.9 |
| 2 | Surr - 4-BROMOFLUOROBENZ | | 3.9 |
| 3 | DICHLORODIFLUOROMETHAN | | < MDL |
| 4 | CHLOROMETHANE | | 0.24 |
| 5 | VINYL CHLORIDE | | < MDL |
| 6 | BROMOMETHANE | | < MDL |
| 7 | CHLOROETHANE | | < MDL |
| 8 | TRICHLOROFLUOROMETHAN | | < MDL |
| 9 | ACETONE | | 5.3 |
| 10 | 1,1-DICHLOROETHENE | | < MDL |
| 11 | METHYLENE CHLORIDE | | < MDL |
| 12 | METHYL TERT BUTYL ETHER | | < MDL |
| 13 | TRANS-1,2-DICHLOROETHEN | | < MDL |
| 14 | 1,1-DICHLOROETHANE | | < MDL |
| 15 | 2-BUTANONE (MEK) | | 0.26 |
| 16 | 2,2-DICHLOROPROPANE | | < MDL |
| 17 | CIS,1,2-DICHLOROETHENE | | < MDL |
| 18 | CHLOROFORM | | < MDL |
| 19 | BROMOCHLOROMETHANE | | < MDL |
| 20 | 1,2-DICHLOROETHANE | | < MDL |
| 21 | Surr - TOLUENE-D8 | | 5.3 |
| 22 | 1,1,1-TRICHLOROETHANE | | < MDL |
| 23 | 1,1-DICHLOROPROPENE | | < MDL |
| 24 | CARBON TETRACHLORIDE | | < MDL |
| 25 | BENZENE | | < MDL |
| 26 | TRICHLOROETHENE | | < MDL |
| 27 | 1,2-DICHLOROPROPANE | | < MDL |
| 28 | DIBROMOMETHANE | | < MDL |
| 29 | BROMODICHLOROMETHANE | | < MDL |
| 30 | 2-CHLOROETHYL VINYL ETHE | | < MDL |
| 31 | MIBK | | < MDL |
| 32 | CIS-1,3-DICHLOROPROPENE | | < MDL |
| 33 | TOLUENE | | < MDL |
| 34 | TRANS-1,3-DICHLOROPROPE | | < MDL |
| 35 | 1,1,2-TRICHLOROETHANE | | < MDL |
| 36 | TETRACHLOROETHENE | | < MDL |
| 37 | 1,3-DICHLOROPROPANE | | < MDL |
| 38 | DIBROMOCHLOROMETHANE | | < MDL |
| 39 | 1,2-DIBROMOETHANE | | < MDL |
| 40 | CHLOROBENZENE | | < MDL |
| 41 | 1,1,1,2-TETRACHLOROETHA | | < MDL |
| 42 | 2-HEXANONE | | 0.72 |
| 43 | ETHYLBENZENE | | < MDL |
| 44 | P & M-XYLENE | | < MDL |
| 45 | O-XYLENE | | < MDL |
| 46 | STYRENE | | < MDL |
| 47 | 1,1,2,2-TETRACHLOROETHA | | < MDL |
| 48 | BROMOFORM | | < MDL |

Reviewed by,

Reviewed by,

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 01/18/2002 Time: 13:59:51

Sample: AE01228
Analysis: $B1524 Volatile Organic Compounds-Blank
Units: ug
Started: 1/16/02 00:09 Ended: 1/16/02 00:09 Analyst: BH
Result source: a:\0116b1.rr
Page: 2

| | Component Name | Vial | Result |
|---|---|---|---|
| 49 | ISOPROPYLBENZENE | | < MDL |
| 50 | 1,2,3-TRICHLOROPROPANE | | < MDL |
| 51 | N-PROPYLBENZENE | | < MDL |
| 52 | BROMOBENZENE | | < MDL |
| 53 | 1,3,5-TRIMETHYLBENZENE | | < MDL |
| 54 | 2-CHLOROTOLUENE | | < MDL |
| 55 | 4-CHLOROTOLUENE | | < MDL |
| 56 | TERT-BUTYLBENZENE | | < MDL |
| 57 | 1,2,4-TRIMETHYLBENZENE | | < MDL |
| 58 | SEC-BUTYLBENZENE | | < MDL |
| 59 | P-ISOROPYLTOLUENE | | < MDL |
| 60 | 1,3-DICHLOROBENZENE | | < MDL |
| 61 | 1,4-DICHLOROBENZENE | | < MDL |
| 62 | N-BUTYLBENZENE | | < MDL |
| 63 | 1,2-DICHLOROBENZENE | | < MDL |
| 64 | 1,2-DIBROMO-3-CHLOROPRO | | < MDL |
| 65 | 1,2,4-TRICHLOROBENZENE | | < MDL |
| 66 | HEXACHLOROBUTADIENE | | < MDL |
| 67 | NAPHTHALENE | | < MDL |
| 68 | 1,2,3-TRICHLOROBENZENE | | < MDL |
| 69 | ETHANOL | | < MDL |
| 70 | NITROBENZENE | | < MDL |

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02jan16\0116B1.D Vial: 1
Acq On : 16 Jan 2002 9:35 am Operator: 201-wb
Sample : lab blank 1 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jan 16 10:14 2002 Quant Results File: HP010702.RES

Quant Method : C:\HPCHEM\1\METHODS\HP010702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Thu Jan 10 08:57:29 2002
Response via : Initial Calibration
DataAcq Meth : HP010702

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-DIFLUOROBENZENE | 15.09 | 114 | 156877 | 5.00 | ug/L | -0.09 |
| 24) CHLOROBENZENE-D5 | 21.74 | 117 | 135825 | 5.00 | ug/L | -0.10 |
| 52) 1,4-DICHLOROBENZENE-D4 | 26.92 | 152 | 55286 | 5.00 | ug/L | -0.10 |
| **System Monitoring Compounds** | | | | | | |
| 2) 1,2-DICHLOROETHANE-D4 | 14.32 | 65 | 120209 | 5.90 | ug/L | -0.10 |
| Spiked Amount 5.000 | | | Recovery = 118.00% | | | |
| 3) 4-BROMOFLUOROBENZENE | 24.32 | 174 | 41374 | 3.89 | ug/L | -0.10 |
| Spiked Amount 5.000 | | | Recovery = 77.80% | | | |
| 25) TOLUENE-D8 | 18.43 | 98 | 191830 | 5.30 | ug/L | -0.10 |
| Spiked Amount 5.000 | | | Recovery = 106.00% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 5) CHLOROMETHANE | 5.55 | 50 | 1809 | 0.24 | ug/L | 99 |
| 10) Isopropyl Alcohol | 7.72 | 45 | 2436 | 14.36 | ug/L | 94 |
| 11) 1,1,2-Trichloro-1,2,2-trif | 8.15 | 101 | 1685 | 0.20 | ug/L | 86 |
| 12) ACETONE | 8.24 | 43 | 10813 | 5.32 | ug/L | 90 |
| 18) 2-BUTANONE (MEK) | 11.79 | 43 | 1579 | 0.26 | ug/L | 65 |
| 46) 2-HEXANONE | 19.25 | 43 | 2204 | 0.72 | ug/L | 36 |

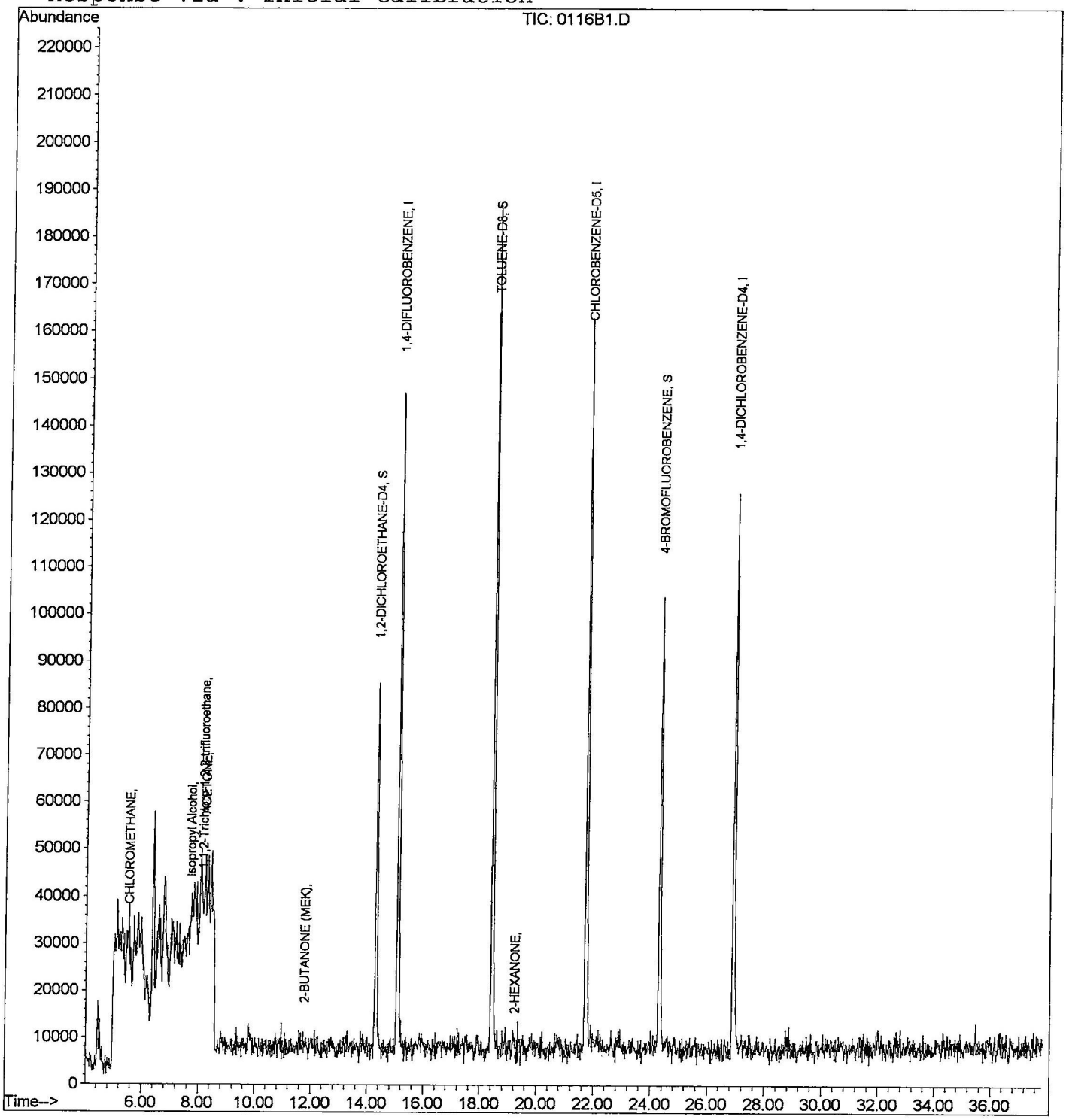
low

(#) = qualifier out of range (m) = manual integration
0116B1.D HP010702.M Wed Jan 16 10:14:18 2002 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02jan16\0116B1.D Vial: 1
Acq On : 16 Jan 2002 9:35 am Operator: 201-wb
Sample : lab blank 1 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jan 16 10:14 2002 Quant Results File: HP010702.RES

Method : C:\HPCHEM\1\METHODS\HP010702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Thu Jan 10 08:57:29 2002
Response via : Initial Calibration



User: Huhn, William
Westchester Dept. of Labs & Research
Date: 01/18/2002 Time: 14:16:31

Sample: AE01228
Analysis: $C1524 Volatile Organic Compounds-Cal 1
Units: ug
Started: 1/16/02 00:00 Ended: 1/16/02 00:00 Analyst: BH
Result source: a:\0116c10.rr
Page: 1

| | Component Name | Viol | Result | Qualifier | MDL |
|---|---|---|---|---|---|
| 1 | Surr_1,2-DICHLOROETHANE-D | | 5.2 | | .5 |
| 2 | Surr_4-BROMOFLUOROBENZE | | 5.0 | | .5 |
| 3 | [redacted] | | | | |
| 4 | Chloromethane | | 12 | | .5 |
| 5 | [redacted] | | | | |
| 6 | Bromomethane | | 13 | | .5 |
| 7 | Chloroethane | | 12 | | .5 |
| 8 | Trichlorofluoromethane | | 13 | | .5 |
| 9 | 1,1-Dichloroethene | | 9.2 | | .5 |
| 10 | Methylene Chloride | | 9.4 | | .5 |
| 11 | Methyl tert-butyl ether | | 8.9 | | 1.0 |
| 12 | trans-1,2-dichloroethene | | 10 | | .5 |
| 13 | 1,1-dichloroethane | | 10 | | .5 |
| 14 | 2-butanone (MEK) | | 9.7 | | 2.0 |
| 15 | 2,2-dichloropropane | | 10 | | .5 |
| 16 | cis-1,2-dichloroethene | | 11 | | .5 |
| 17 | Chloroform | | 10 | | .5 |
| 18 | Bromochloromethane | | 10 | | .5 |
| 19 | 1,2-dichloroethane | | 11 | | .5 |
| 20 | Surr_TOLUENE-D8 | | 5.2 | | .5 |
| 21 | 1,1,1- trichloroethane | | 10 | | ,5 |
| 22 | 1,1-dichloropropene | | 11 | | .5 |
| 23 | Carbon tetrachloride | | 11 | | .5 |
| 24 | Benzene | | 11 | | .5 |
| 25 | Trichloroethene | | 11 | | .5 |
| 26 | 1,2-dichloropropane | | 10 | | .5 |
| 27 | Dibromomethane | | 10 | | .5 |
| 28 | Bromodichloromethane | | 11 | | .5 |
| 29 | Methyl iso-butyl ketone | | 11 | | 1.0 |
| 30 | cis-1,3-dichloropropene | | 11 | | .5 |
| 31 | Toluene | | 11 | | .5 |
| 32 | trans-1,3-dichloropropene | | 11 | | .5 |
| 33 | 1,1,2-trichloroethane | | 11 | | .5 |
| 34 | Tetrachloroethene | | 11 | | .5 |
| 35 | 1,3-dichloropropane | | 10 | | .5 |
| 36 | Dibromochloromethane | | 11 | | 2.0 |
| 37 | Chlorobenzene | | 11 | | .5 |
| 38 | 1,1,1,2-tetrachloroethane | | 11 | | .5 |
| 39 | Ethylbenzene | | 11 | | .5 |
| 40 | P & M-xylene | | 23 | | .5 |
| 41 | O-xylene | | 11 | | .5 |
| 42 | Styrene | | 11 | | .5 |
| 43 | 1,1,2,2-tetrachloroethane | | 11 | | .5 |
| 44 | Bromoform | | 11 | | 2.0 |
| 45 | Isopropylbenzene | | 12 | | .5 |
| 46 | 1,2,3-trichloropropane | | 10 | | .5 |
| 47 | N-propylbenzene | | 12 | | .5 |
| 48 | Bromobenzene | | 11 | | .5 |

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 01/18/2002 Time: 14:16:31

Sample: AE01228
Analysis: $C1524 Volatile Organic Compounds-Cal 1
Units: ug
Started: 1/16/02 00:00 Ended: 1/16/02 00:00 Analyst: BH
Result source: a:\0116c10.rr
Page: 2

| | Component Name | Viol | Result | Qualifier | MDL |
|---|---|---|---|---|---|
| 49 | 1,3,5-trimethylbenzene | | 12 | | .5 |
| 50 | 2-chlorotoluene | | 10 | | .5 |
| 51 | 4-chlorotoluene | | 12 | | .5 |
| 52 | TERT-butylbenzene | | 12 | | .5 |
| 53 | 1,2,4-trimethylbenzene | | 12 | | .5 |
| 54 | SEC-butylbenzene | | 12 | | .5 |
| 55 | P-isopropyltoluene | | 12 | | .5 |
| 56 | 1,3-dichlorobenzene | | 11 | | .5 |
| 57 | 1,4-dichlorobenzene | | 11 | | .5 |
| 58 | N-butylbenzene | | 12 | | .5 |
| 59 | 1,2-dichlorobenzene | | 11 | | .5 |
| 60 | 1,2,4-trichlorobenzene | | 11 | | .5 |
| 61 | Hexachlobutadiene | | 11 | | .5 |
| 62 | Naphthalene | | 10 | | .5 |
| 63 | 1,2,3-trichlorobenzene | | 11 | | .5 |
| 64 | Nitrobenzene | | 180 | | 5.0 |

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02jan16\0116C10.D
Acq On : 16 Jan 2002 10:18 am
Sample : cal 10
Misc :
MS Integration Params: LSCINT.P
Quant Time: Jan 16 10:57 2002

Vial: 2
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: HP010702.RES

Quant Method : C:\HPCHEM\1\METHODS\HP010702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Thu Jan 10 08:57:29 2002
Response via : Initial Calibration
DataAcq Meth : HP010702

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-DIFLUOROBENZENE | 15.09 | 114 | 776131 | 5.00 | ug/L | -0.09 |
| 24) CHLOROBENZENE-D5 | 21.74 | 117 | 677051 | 5.00 | ug/L | -0.11 |
| 52) 1,4-DICHLOROBENZENE-D4 | 26.92 | 152 | 340082 | 5.00 | ug/L | -0.11 |
| **System Monitoring Compounds** | | | | | | |
| 2) 1,2-DICHLOROETHANE-D4 | 14.34 | 65 | 524624 | 5.21 | ug/L | -0.09 |
| Spiked Amount 5.000 | | | Recovery = 104.20% | | | |
| 3) 4-BROMOFLUOROBENZENE | 24.34 | 174 | 261883 | 4.98 | ug/L | -0.09 |
| Spiked Amount 5.000 | | | Recovery = 99.60% | | | |
| 25) TOLUENE-D8 | 18.45 | 98 | 936085 | 5.19 | ug/L | -0.09 |
| Spiked Amount 5.000 | | | Recovery = 103.80% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 4) DICHLORODIFLUOROMETHANE | 4.85 | 85 | 515329 | 15.15 | ug/L | 99 |
| 5) CHLOROMETHANE | 5.50 | 50 | 444874 | 11.78 | ug/L | 97 |
| 6) VINYL CHLORIDE | 5.59 | 62 | 445956 | 14.29 | ug/L | 97 |
| 7) BROMOMETHANE | 6.58 | 94 | 320003 | 12.97 | ug/L | 98 |
| 8) CHLOROETHANE | 6.71 | 64 | 267630 | 12.25 | ug/L | 100 |
| 9) TRICHLOROFLUOROMETHANE | 7.27 | 101 | 800896 | 13.00 | ug/L | 97 |
| 10) Isopropyl Alcohol | 7.85 | 45 | 3503 | 4.17 | ug/L | 86 |
| 11) 1,1,2-Trichloro-1,2,2-trif | 8.15 | 101 | 376484 | 9.24 | ug/L | 98 |
| 12) ACETONE | 8.26 | 43 | 92879 | 9.23 | ug/L | 95 |
| 13) 1,1-DICHLOROETHENE | 8.60 | 61 | 566747 | 9.19 | ug/L | 97 |
| 14) METHYLENE CHLORIDE | 9.60 | 49 | 671131 | 9.39 | ug/L | 98 |
| 15) METHYL TERT BUTYL ETHER | 9.91 | 73 | 371491 | 8.90 | ug/L | 99 |
| 16) TRANS-1,2-DICHLOROETHENE | 10.26 | 61 | 612995 | 10.04 | ug/L | 98 |
| 17) 1,1-DICHLOROETHANE | 11.17 | 63 | 697118 | 10.39 | ug/L | 99 |
| 18) 2-BUTANONE (MEK) | 11.98 | 43 | 128257 | 9.68 | ug/L | 98 |
| 19) 2,2-DICHLOROPROPANE | 12.38 | 77 | 480523 | 10.23 | ug/L | 99 |
| 20) CIS-1,2-DICHLOROETHENE | 12.47 | 96 | 375715 | 11.03 | ug/L | 95 |
| 21) CHLOROFORM | 12.80 | 83 | 804768 | 10.49 | ug/L | 98 |
| 22) BROMOCHLOROMETHANE | 13.19 | 49 | 401391 | 10.37 | ug/L | 96 |
| 23) 1,2-DICHLOROETHANE | 14.53 | 62 | 673467 | 10.57 | ug/L | 97 |
| 26) 1,1,1-TRICHLOROETHANE | 13.69 | 97 | 641824 | 10.40 | ug/L | 97 |
| 27) 1,1-DICHLOROPROPENE | 14.02 | 75 | 537326 | 11.23 | ug/L | 99 |
| 28) CARBON TETRACHLORIDE | 14.28 | 117 | 658191 | 10.61 | ug/L | 95 |
| 29) BENZENE | 14.63 | 78 | 1347319 | 10.86 | ug/L | 99 |
| 30) TRICHLOROETHENE | 15.90 | 95 | 419178 | 11.01 | ug/L | 99 |
| 31) 1,2-DICHLOROPROPANE | 16.25 | 63 | 371535 | 10.43 | ug/L | 97 |
| 32) DIBROMOMETHANE | 16.93 | 174 | 164881 | 10.47 | ug/L | 95 |
| 33) BROMODICHLOROMETHANE | 16.78 | 83 | 571669 | 10.85 | ug/L | 99 |

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02jan16\0116C10.D Vial: 2
Acq On : 16 Jan 2002 10:18 am Operator: 201-wb
Sample : cal 10 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jan 16 10:57 2002 Quant Results File: HP010702.RES

Quant Method : C:\HPCHEM\1\METHODS\HP010702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Thu Jan 10 08:57:29 2002
Response via : Initial Calibration
DataAcq Meth : HP010702

| | Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|---|
| 34) | 2-CHLOROETHYL VINYL ETHER | 17.25 | 63 | 115569 | 10.31 ug/L | 94 |
| 35) | METHYL ISO-BUTYL KETONE | 17.33 | 58 | 72222 | 10.54 ug/L | 97 |
| 36) | CIS-1,3-DICHLOROPROPENE | 17.86 | 75 | 437692 | 10.76 ug/L | 99 |
| 37) | TOLUENE | 18.62 | 91 | 1303709 | 10.92 ug/L | 99 |
| 38) | TRANS-1,3-DICHLOROPROPENE | 18.90 | 75 | 331572 | 10.69 ug/L | 99 |
| 39) | 1,1,2-TRICHLOROETHANE | 19.28 | 97 | 220602 | 10.64 ug/L | 97 |
| 40) | TETRACHLOROETHENE | 20.07 | 166 | 355606 | 11.07 ug/L | 97 |
| 41) | 1,3-DICHLOROPROPANE | 19.81 | 76 | 415090 | 10.35 ug/L | 96 |
| 42) | DIBROMOCHLOROMETHANE | 20.50 | 129 | 306329 | 10.84 ug/L | 98 |
| 43) | 1,2-DIBROMOETHANE | 20.96 | 107 | 215150 | 10.36 ug/L | 99 |
| 44) | CHLOROBENZENE | 21.83 | 112 | 867281 | 10.80 ug/L | 99 |
| 45) | 1,1,1,2-TETRACHLOROETHANE | 21.88 | 131 | 319005 | 10.56 ug/L | 98 |
| 46) | 2-HEXANONE | 19.18 | 43 | 141316 | 9.29 ug/L | 100 |
| 47) | ETHYLBENZENE | 21.86 | 91 | 1652702 | 11.07 ug/L | 98 |
| 48) | P & M-XYLENE | 22.04 | 106 | 1130554 | 22.81 ug/L | 98 |
| 49) | O-XYLENE | 23.00 | 91 | 1303908 | 11.49 ug/L | 99 |
| 50) | STYRENE | 23.07 | 104 | 816794 | 11.29 ug/L | 99 |
| 51) | 1,1,2,2-TETRACHLOROETHANE | 24.08 | 83 | 242000 | 10.69 ug/L | 91 |
| 53) | BROMOFORM | 23.92 | 173 | 141430 | 10.72 ug/L | 97 |
| 54) | ISOPROPYLBENZENE | 23.73 | 105 | 1357464 | 11.61 ug/L | 95 |
| 55) | 1,2,3-TRICHLOROPROPANE | 24.41 | 110 | 74467 | 10.13 ug/L | 98 |
| 56) | N-PROPYLBENZENE | 24.60 | 91 | 1897479 | 11.62 ug/L | 100 |
| 57) | BROMOBENZENE | 24.84 | 156 | 336409 | 10.85 ug/L | 96 |
| 58) | 1,3,5-TRIMETHYLBENZENE | 24.91 | 105 | 1284332 | 11.64 ug/L | 98 |
| 59) | 2-CHLOROTOLUENE | 25.07 | 91 | 1196380 | 10.47 ug/L | 97 |
| 60) | 4-CHLOROTOLUENE | 25.16 | 91 | 1284941 | 12.24 ug/L | 98 |
| 61) | TERT-BUTYLBENZENE | 25.70 | 119 | 1099677 | 11.64 ug/L | 99 |
| 62) | 1,2,4-TRIMETHYLBENZENE | 25.80 | 105 | 1319363 | 11.61 ug/L | 100 |
| 63) | SEC-BUTYLBENZENE | 26.17 | 105 | 1486956 | 11.80 ug/L | 99 |
| 64) | P-ISOPROPYLTOLUENE | 26.41 | 119 | 1119651 | 11.75 ug/L | 97 |
| 65) | 1,3-DICHLOROBENZENE | 26.78 | 146 | 600087 | 10.95 ug/L | 98 |
| 66) | 1,4-DICHLOROBENZENE | 26.99 | 146 | 626098 | 11.13 ug/L | 97 |
| 67) | N-BUTYLBENZENE | 27.30 | 91 | 1271266 | 11.65 ug/L | 98 |
| 68) | 1,2-DICHLOROBENZENE | 27.84 | 146 | 513977 | 10.65 ug/L | 98 |
| 69) | 1,2-DIBROMO-3-CHLOROPROPAN | 29.62 | 157 | 24348 | 10.24 ug/L | 83 |
| 70) | 1,2,4-TRICHLOROBENZENE | 31.92 | 180 | 320376 | 10.95 ug/L | 96 |
| 71) | HEXACHLOROBUTADIENE | 32.23 | 225 | 228246 | 11.03 ug/L | 99 |
| 72) | NAPHTHALENE | 32.77 | 128 | 398850 | 10.35 ug/L | 100 |
| 73) | 1,2,3-TRICHLOROBENZENE | 33.49 | 180 | 266716 | 10.60 ug/L | 96 |
| 74) | NITROBENZENE | 29.84 | 77 | 151510 | 184.66 ug/L | 95 |

(#) = qualifier out of range (m) = manual integration

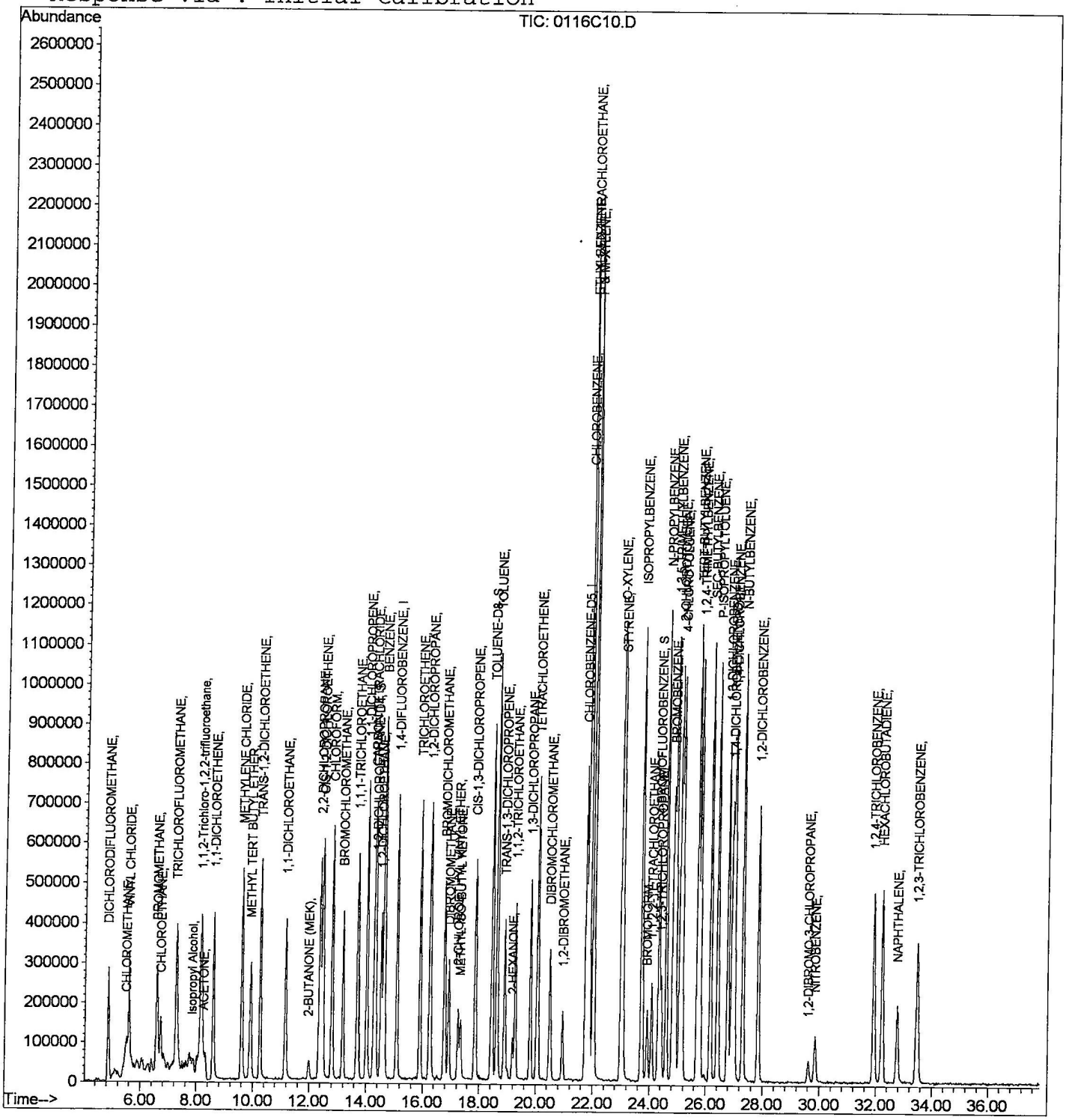
Quantitation Report

Data File : C:\HPCHEM\1\DATA\02jan16\0116C10.D
Acq On : 16 Jan 2002 10:18 am
Sample : cal 10
Misc :
MS Integration Params: LSCINT.P
Quant Time: Jan 16 10:57 2002

Vial: 2
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: HP010702.RES

Method : C:\HPCHEM\1\METHODS\HP010702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Thu Jan 10 08:57:29 2002
Response via : Initial Calibration



User: Huhn, William
Westchester Dept. of Labs & Research
Date: 01/18/2002 Time: 14:17:24

Sample: AE01228
Analysis: $RE524 Reference recovery for 524
Units: ug
Started: 1/16/02 00:02 Ended: 1/16/02 00:02 Analyst: BH
Result source: a:\0116r40a.rr
Page: 1

| | Component Name | Viol | Result | Qualifier | MDL |
|---|---|---|---|---|---|
| 1 | 1,2-DICHLOROETHANE-D4 | | 4.9 | | |
| 2 | 4-BROMOFLUOROBENZENE | | 5.1 | | |
| 3 | DICHLORODIFLUOROMETHAN | | 44 | | .5 |
| 4 | CHLOROMETHANE | | 32 | | .5 |
| 5 | VINYL CHLORIDE | | 41 | | .5 |
| 6 | BROMOMETHANE | | 43 | | .5 |
| 7 | CHLOROETHANE | | 43 | | .5 |
| 8 | TRICHLOROFLUOROMETHANE | | 45 | | .5 |
| 9 | ACETONE | | 31 | | .5 |
| 10 | 1,1-DICHLOROETHENE | | 37 | | .5 |
| 11 | METHYLENE CHLORIDE | | 31 | | .5 |
| 12 | METHYL TERT BUTYL ETHER | | 39 | | 1 |
| 13 | TRANS-1,2-DICHLOROETHEN | | 37 | | .5 |
| 14 | 1,1-DICHLOROETHANE | | 38 | | .5 |
| 15 | 2-BUTANONE (MEK) | | 35 | | .5 |
| 16 | 2,2-DICHLOROPROPANE | | 43 | | .5 |
| 17 | CIS-1,2-DICHLOROETHENE | | 39 | | .5 |
| 18 | CHLOROFORM | | 38 | | .5 |
| 19 | BROMOCHLOROMETHANE | | 36 | | .5 |
| 20 | 1,2-DICHLOROETHANE | | 37 | | .5 |
| 21 | TOLUENE-D8 | | 5.2 | | |
| 22 | 1,1,1-TRICHLOROETHANE | | 39 | | .5 |
| 23 | 1,1-DICHLOROPROPENE | | 42 | | .5 |
| 24 | CARBON TETRACHLORIDE | | 38 | | .5 |
| 25 | BENZENE | | 38 | | .5 |
| 26 | TRICHLOROETHENE | | 40 | | .5 |
| 27 | 1,2-DICHLOROPROPANE | | 38 | | .5 |
| 28 | DIBROMOMETHANE | | 37 | | .5 |
| 29 | BROMODICHLOROMETHANE | | 40 | | .5 |
| 30 | 2-CHLOROETHYL VINYL ETHE | | 43 | | .5 |
| 31 | METHYL ISO-BUTYL KETONE | | 36 | | 1 |
| 32 | CIS-1,3-DICHLOROPROPENE | | 46 | | .5 |
| 33 | TOLUENE | | 39 | | .5 |
| 34 | TRANS-1,3-DICHLOROPROPE | | 51 | | .5 |
| 35 | 1,1,2-TRICHLOROETHANE | | 37 | | .5 |
| 36 | TETRACHLOROETHENE | | 39 | | .5 |
| 37 | 1,3-DICHLOROPROPANE | | 39 | | .5 |
| 38 | DIBROMOCHLOROMETHANE | | 48 | | 2 |
| 39 | 1,2-DIBROMOETHANE | | 41 | | .5 |
| 40 | CHLOROBENZENE | | 37 | | .5 |
| 41 | 1,1,1,2-TETRACHLOROETHA | | 40 | | .5 |
| 42 | 2-HEXANONE | | 35 | | .5 |
| 43 | ETHYLBENZENE | | 39 | | .5 |
| 44 | P & M-XYLENE | | 78 | | .5 |
| 45 | O-XYLENE | | 42 | | .5 |
| 46 | STYRENE | | 42 | | .5 |
| 47 | 1,1,2,2-TETRACHLOROETHA | | 37 | | .5 |
| 48 | BROMOFORM | | 44 | | 2 |

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 01/18/2002 Time: 14:17:24

Sample: AE01228
Analysis: $RE524 Reference recovery for 524
Units: ug
Started: 1/16/02 00:02 Ended: 1/16/02 00:02 Analyst: BH
Result source: a:\0116r40a.rr
Page: 2

| | Component Name | Viol. | Result | Qualifier | MDL |
|---|---|---|---|---|---|
| 49 | ISOPROPYLBENZENE | | 44 | | .5 |
| 50 | 1,2,3-TRICHLOROPROPANE | | 38 | | .5 |
| 51 | N-PROPYLBENZENE | | 41 | | .5 |
| 52 | BROMOBENZENE | | 40 | | .5 |
| 53 | 1,3,5-TRIMETHYLBENZENE | | 42 | | .5 |
| 54 | 2-CHLOROTOLUENE | | 40 | | .5 |
| 55 | 4-CHLOROTOLUENE | | 41 | | .5 |
| 56 | TERT-BUTYLBENZENE | | 42 | | .5 |
| 57 | 1,2,4-TRIMETHYLBENZENE | | 42 | | .5 |
| 58 | SEC-BUTYLBENZENE | | 42 | | .5 |
| 59 | P-ISOPROPYLTOLUENE | | 44 | | .5 |
| 60 | 1,3-DICHLOROBENZENE | | 40 | | .5 |
| 61 | 1,4-DICHLOROBENZENE | | 40 | | .5 |
| 62 | N-BUTYLBENZENE | | 42 | | .5 |
| 63 | 1,2-DICHLOROBENZENE | | 40 | | .5 |
| 64 | 1,2-DIBROMO-3-CHLOROPRO | | 47 | | .5 |
| 65 | 1,2,4-TRICHLOROBENZENE | | 46 | | .5 |
| 66 | HEXACHLOROBUTADIENE | | 43 | | .5 |
| 67 | NAPHTHALENE | | 49 | | .5 |
| 68 | 1,2,3-TRICHLOROBENZENE | | 44 | | .5 |
| 69 | ETHANOL | | < MDL | | 30 |
| 70 | NITROBENZENE | | 1000 | | 5.0 |

User: Vannelli, Sandy
Westchester Dept. of Labs & Research
Date: 01/24/2002 Time: 14:58:56

Sample: AE01228
Analysis: SQ_524 Volatile Organic Compounds-Reference Rec
Units: ug
Started: 01/18/02 14:17 Ended: 01/18/02 14:17 Analyst: BH
Result source: manual entry
Page: 1

| | Component Name | Viol | Result | MDL |
|---|---|---|---|---|
| 1 | Surr - 1,2-DICHLOROETHANE-D | | 4.9 | .5 |
| 2 | Surr - 4-BROMOFLUOROBENZE | | 5.1 | .5 |
| 3 | Dichlorodifluoromethane | | 110 | .5 |
| 4 | Chloromethane | | 80 | .5 |
| 5 | Vinyl chloride | | 102.5 | .5 |
| 6 | Bromomethane | | 107.5 | .5 |
| 7 | Chloroethane | | 107.5 | .5 |
| 8 | Trichlorofluoromethane | | 112.5 | .5 |
| 9 | 1,1-Dichloroethene | | 92.5 | .5 |
| 10 | Methylene Chloride | | 77.5 | .5 |
| 11 | Methyl tert butyl ether | | 97.5 | 1.0 |
| 12 | trans-1,2-dichloroethene | | 92.5 | .5 |
| 13 | 1,1-dichloroethane | | 95 | .5 |
| 14 | 2-butanone (MEK) | | 87.5 | 2.0 |
| 15 | 2,2-dichloropropane | | 107.5 | .5 |
| 16 | cis-1,2-dichloroethene | | 97.5 | .5 |
| 17 | Chloroform | | 95 | .5 |
| 18 | Bromochloromethane | | 90 | .5 |
| 19 | 1,2-dichloroethane | | 92.5 | .5 |
| 20 | Surr - TOLUENE-D8 | | 5.2 | .5 |
| 21 | 1,1,1-trichloroethane | | 97.5 | .5 |
| 22 | 1,1-dichloropropene | | 105 | .5 |
| 23 | Carbon tetrachloride | | 95 | .5 |
| 24 | Benzene | | 95 | .5 |
| 25 | Trichloroethene | | 100 | .5 |
| 26 | 1,2-dichloropropane | | 95 | .5 |
| 27 | Dibromomethane | | 92.5 | .5 |
| 28 | Bromodichloromethane | | 100 | .5 |
| 29 | Methyl iso-butyl ketone | | 90 | 1.0 |
| 30 | cis-1,3-dichloropropene | | 115 | .5 |
| 31 | Toluene | | 97.5 | .5 |
| 32 | trans-1,3-dichloropropene | | 127.5 | .5 |
| 33 | 1,1,2-trichloroethane | | 92.5 | .5 |
| 34 | Tetrachloroethene | | 97.5 | .5 |
| 35 | 1,3-dichloropropane | | 97.5 | .5 |
| 36 | Dibromochloromethane | | 120 | 2.0 |
| 37 | Chlorobenzene | | 92.5 | .5 |
| 38 | 1,1,1,2-tetrachloroethane | | 100 | .5 |
| 39 | Ethylbenzene | | 97.5 | .5 |
| 40 | P & M-xylene | | 97.5 | .5 |
| 41 | O-xylene | | 105 | .5 |
| 42 | Styrene | | 105 | .5 |
| 43 | 1,1,2,2-tetrachloroethane | | 92.5 | .5 |
| 44 | Bromoform | | 110 | 2.0 |
| 45 | Isopropylbenzene | | 110 | .5 |
| 46 | 1,2,3-trichloropropane | | 95 | .5 |
| 47 | N-propylbenzene | | 102.5 | .5 |

User: Vannelli, Sandy
Westchester Dept. of Labs & Research
Date: 01/24/2002 Time: 14:58:56

Sample: AE01228
Analysis: SQ_524 Volatile Organic Compounds-Reference Rec
Units: ug
Started: 01/18/02 14:17 Ended: 01/18/02 14:17 Analyst: BH
Result source: manual entry
Page: 2

| | Component Name | Viol | Result | MDL |
|---|---|---|---|---|
| 48 | Bromobenzene | | 100 | .5 |
| 49 | 1,3,5-trimethylbenzene | | 105 | .5 |
| 50 | 2-chlorotoluene | | 100 | .5 |
| 51 | 4-chlorotoluene | | 102.5 | .5 |
| 52 | TERT-butylbenzene | | 105 | .5 |
| 53 | 1,2,4-trimethylbenzene | | 105 | .5 |
| 54 | SEC-butylbenzene | | 105 | .5 |
| 55 | P-isopropyltoluene | | 110 | .5 |
| 56 | 1,3-dichlorobenzene | | 100 | .5 |
| 57 | 1,4-dichlorobenzene | | 100 | .5 |
| 58 | N-butylbenzene | | 105 | .5 |
| 59 | 1,2-dichlorobenzene | | 100 | .5 |
| 60 | 1,2,4-trichlorobenzene | | 115 | .5 |
| 61 | Hexachlorobutadiene | | 107.5 | .5 |
| 62 | Naphthalene | | 122.5 | .5 |
| 63 | 1,2,3-trichlorobenzene | | 110 | .5 |
| 64 | Ethanol | | < MDL | |
| 65 | Nitrobenzene | | 130 | 5.0 |

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02jan16\0116R40A.D Vial: 4
Acq On : 16 Jan 2002 2:21 pm Operator: 201-wb
Sample : ref 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jan 16 14:59 2002 Quant Results File: HP010702.RES

Quant Method : C:\HPCHEM\1\METHODS\HP010702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Thu Jan 10 08:57:29 2002
Response via : Initial Calibration
DataAcq Meth : HP010702

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-DIFLUOROBENZENE | 15.10 | 114 | 773753 | 5.00 | ug/L | -0.07 |
| 24) CHLOROBENZENE-D5 | 21.76 | 117 | 695936 | 5.00 | ug/L | -0.09 |
| 52) 1,4-DICHLOROBENZENE-D4 | 26.93 | 152 | 330834 | 5.00 | ug/L | -0.09 |
| **System Monitoring Compounds** | | | | | | |
| 2) 1,2-DICHLOROETHANE-D4 | 14.34 | 65 | 493950 | 4.92 | ug/L | -0.09 |
| Spiked Amount 5.000 | | | Recovery = 98.40% | | | |
| 3) 4-BROMOFLUOROBENZENE | 24.34 | 174 | 265093 | 5.06 | ug/L | -0.09 |
| Spiked Amount 5.000 | | | Recovery = 101.20% | | | |
| 25) TOLUENE-D8 | 18.45 | 98 | 963268 | 5.20 | ug/L | -0.09 |
| Spiked Amount 5.000 | | | Recovery = 104.00% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 4) DICHLORODIFLUOROMETHANE | 4.87 | 85 | 1477692 | 43.58 | ug/L | 99 |
| 5) CHLOROMETHANE | 5.51 | 50 | 1204046 | 31.97 | ug/L | 99 |
| 6) VINYL CHLORIDE | 5.57 | 62 | 1278818 | 41.11 | ug/L | 97 |
| 7) BROMOMETHANE | 6.60 | 94 | 1052172 | 42.77 | ug/L | 100 |
| 8) CHLOROETHANE | 6.72 | 64 | 928228 | 42.60 | ug/L | 97 |
| 9) TRICHLOROFLUOROMETHANE | 7.29 | 101 | 2747596 | 44.74 | ug/L | 98 |
| 10) Isopropyl Alcohol | 7.89 | 45 | 11697 | 13.98 | ug/L | 96 |
| 11) 1,1,2-Trichloro-1,2,2-trif | 8.13 | 101 | 6146 | 0.15 | ug/L | 69 |
| 12) ACETONE | 8.25 | 43 | 306820 | 30.58 | ug/L | 95 |
| 13) 1,1-DICHLOROETHENE | 8.60 | 61 | 2285559 | 37.17 | ug/L | 96 |
| 14) METHYLENE CHLORIDE | 9.61 | 49 | 2239947 | 31.45 | ug/L | 98 |
| 15) METHYL TERT BUTYL ETHER | 9.91 | 73 | 1607658 | 38.66 | ug/L | 100 |
| 16) TRANS-1,2-DICHLOROETHENE | 10.28 | 61 | 2269839 | 37.28 | ug/L | 96 |
| 17) 1,1-DICHLOROETHANE | 11.16 | 63 | 2513608 | 37.59 | ug/L | 98 |
| 18) 2-BUTANONE (MEK) | 12.00 | 43 | 451999 | 35.13 | ug/L | 97 |
| 19) 2,2-DICHLOROPROPANE | 12.38 | 77 | 2033483 | 43.44 | ug/L | 99 |
| 20) CIS-1,2-DICHLOROETHENE | 12.47 | 96 | 1323279 | 38.98 | ug/L | 95 |
| 21) CHLOROFORM | 12.82 | 83 | 2882934 | 37.71 | ug/L | 99 |
| 22) BROMOCHLOROMETHANE | 13.19 | 49 | 1394694 | 36.14 | ug/L | 98 |
| 23) 1,2-DICHLOROETHANE | 14.53 | 62 | 2369839 | 37.32 | ug/L | 98 |
| 26) 1,1,1-TRICHLOROETHANE | 13.71 | 97 | 2452244 | 38.65 | ug/L | 97 |
| 27) 1,1-DICHLOROPROPENE | 14.02 | 75 | 2070613 | 42.11 | ug/L | 99 |
| 28) CARBON TETRACHLORIDE | 14.28 | 117 | 2431218 | 38.12 | ug/L | 98 |
| 29) BENZENE | 14.63 | 78 | 4839053 | 37.93 | ug/L | 98 |
| 30) TRICHLOROETHENE | 15.90 | 95 | 1578324 | 40.34 | ug/L | 99 |
| 31) 1,2-DICHLOROPROPANE | 16.25 | 63 | 1395142 | 38.09 | ug/L | 99 |
| 32) DIBROMOMETHANE | 16.93 | 174 | 604992 | 37.36 | ug/L | 97 |
| 33) BROMODICHLOROMETHANE | 16.78 | 83 | 2158319 | 39.85 | ug/L | 98 |

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02jan16\0116R40A.D Vial: 4
Acq On : 16 Jan 2002 2:21 pm Operator: 201-wb
Sample : ref 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jan 16 14:59 2002 Quant Results File: HP010702.RES

Quant Method : C:\HPCHEM\1\METHODS\HP010702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Thu Jan 10 08:57:29 2002
Response via : Initial Calibration
DataAcq Meth : HP010702

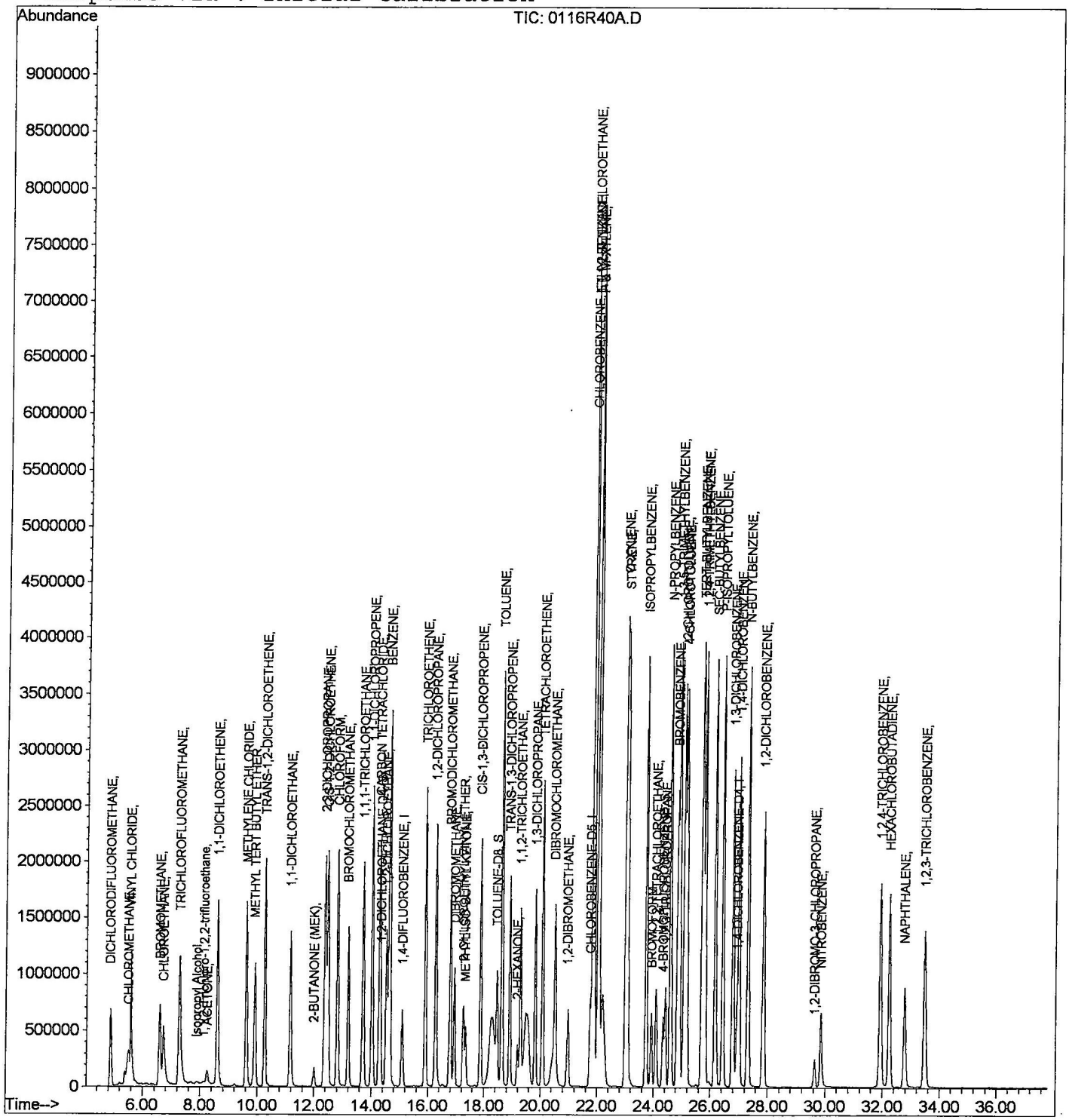
| Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|
| 34) 2-CHLOROETHYL VINYL ETHER | 17.26 | 63 | 491188 | 42.64 ug/L | 91 |
| 35) METHYL ISO-BUTYL KETONE | 17.33 | 58 | 250699 | 35.61 ug/L | 95 |
| 36) CIS-1,3-DICHLOROPROPENE | 17.87 | 75 | 1933692 | 46.27 ug/L | 100 |
| 37) TOLUENE | 18.62 | 91 | 4741970 | 38.66 ug/L | 99 |
| 38) TRANS-1,3-DICHLOROPROPENE | 18.90 | 75 | 1617634 | 50.75 ug/L | 99 |
| 39) 1,1,2-TRICHLOROETHANE | 19.28 | 97 | 797747 | 37.45 ug/L | 96 |
| 40) TETRACHLOROETHENE | 20.07 | 166 | 1292779 | 39.14 ug/L | 99 |
| 41) 1,3-DICHLOROPROPANE | 19.82 | 76 | 1617902 | 39.23 ug/L | 96 |
| 42) DIBROMOCHLOROMETHANE | 20.50 | 129 | 1383174 | 47.61 ug/L | 100 |
| 43) 1,2-DIBROMOETHANE | 20.96 | 107 | 867794 | 40.66 ug/L | 100 |
| 44) CHLOROBENZENE | 21.85 | 112 | 3055705 | 37.04 ug/L | 99 |
| 45) 1,1,1,2-TETRACHLOROETHANE | 21.88 | 131 | 1242034 | 40.00 ug/L | 96 |
| 46) 2-HEXANONE | 19.18 | 43 | 550169 | 35.19 ug/L | 97 |
| 47) ETHYLBENZENE | 21.88 | 91 | 5918867 | 38.58 ug/L | 98 |
| 48) P & M-XYLENE | 22.04 | 106 | 3959411 | 77.72 ug/L | 98 |
| 49) O-XYLENE | 23.01 | 91 | 4888421 | 41.89 ug/L | 99 |
| 50) STYRENE | 23.07 | 104 | 3137135 | 42.19 ug/L | 97 |
| 51) 1,1,2,2-TETRACHLOROETHANE | 24.09 | 83 | 857272 | 36.84 ug/L | 96 |
| 53) BROMOFORM | 23.94 | 173 | 563461 | 43.90 ug/L | 95 |
| 54) ISOPROPYLBENZENE | 23.73 | 105 | 4987630 | 43.84 ug/L | 99 |
| 55) 1,2,3-TRICHLOROPROPANE | 24.42 | 110 | 274574 | 38.41 ug/L | 96 |
| 56) N-PROPYLBENZENE | 24.60 | 91 | 6498530 | 40.91 ug/L | 98 |
| 57) BROMOBENZENE | 24.84 | 156 | 1216111 | 40.32 ug/L | 97 |
| 58) 1,3,5-TRIMETHYLBENZENE | 24.91 | 105 | 4552004 | 42.42 ug/L | 99 |
| 59) 2-CHLOROTOLUENE | 25.09 | 91 | 4444444 | 39.99 ug/L | 97 |
| 60) 4-CHLOROTOLUENE | 25.16 | 91 | 4167000 | 40.80 ug/L | 100 |
| 61) TERT-BUTYLBENZENE | 25.71 | 119 | 3901758 | 42.46 ug/L | 98 |
| 62) 1,2,4-TRIMETHYLBENZENE | 25.80 | 105 | 4634882 | 41.93 ug/L | 99 |
| 63) SEC-BUTYLBENZENE | 26.17 | 105 | 5162014 | 42.10 ug/L | 97 |
| 64) P-ISOPROPYLTOLUENE | 26.43 | 119 | 4108146 | 44.34 ug/L | 95 |
| 65) 1,3-DICHLOROBENZENE | 26.79 | 146 | 2138442 | 40.13 ug/L | 99 |
| 66) 1,4-DICHLOROBENZENE | 27.00 | 146 | 2169772 | 39.66 ug/L | 98 |
| 67) N-BUTYLBENZENE | 27.32 | 91 | 4476941 | 42.19 ug/L | 99 |
| 68) 1,2-DICHLOROBENZENE | 27.86 | 146 | 1886176 | 40.19 ug/L | 97 |
| 69) 1,2-DIBROMO-3-CHLOROPROPAN | 29.63 | 157 | 109719 | 47.44 ug/L | 96 |
| 70) 1,2,4-TRICHLOROBENZENE | 31.93 | 180 | 1296373 | 45.55 ug/L | 100 |
| 71) HEXACHLOROBUTADIENE | 32.25 | 225 | 857240 | 42.60 ug/L | 97 |
| 72) NAPHTHALENE | 32.77 | 128 | 1837793 | 49.00 ug/L | 100 |
| 73) 1,2,3-TRICHLOROBENZENE | 33.49 | 180 | 1088415 | 44.48 ug/L | 93 |
| 74) NITROBENZENE | 29.86 | 77 | 832503 | 1043.02 ug/L | 98 |

(#) = qualifier out of range (m) = manual integration

# Quantitation Report

Data File : C:\HPCHEM\1\DATA\02jan16\0116R40A.D Vial: 4
Acq On : 16 Jan 2002 2:21 pm Operator: 201-wb
Sample : ref 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Jan 16 14:59 2002 Quant Results File: HP010702.RES

Method : C:\HPCHEM\1\METHODS\HP010702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Thu Jan 10 08:57:29 2002
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02jan16\0116B2.D
Acq On : 16 Jan 2002 4:23 pm
Sample :
Misc :
MS Integration Params: LSCINT.P
Quant Time: Jan 16 17:01 2002

Vial: 4
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: HP010702.RES

Quant Method : C:\HPCHEM\1\METHODS\HP010702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Thu Jan 10 08:57:29 2002
Response via : Initial Calibration
DataAcq Meth : HP010702

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-DIFLUOROBENZENE | 15.08 | 114 | 738183 | 5.00 | ug/L | -0.09 |
| 24) CHLOROBENZENE-D5 | 21.74 | 117 | 606667 | 5.00 | ug/L | -0.11 |
| 52) 1,4-DICHLOROBENZENE-D4 | 26.92 | 152 | 277515 | 5.00 | ug/L | -0.11 |
| **System Monitoring Compounds** | | | | | | |
| 2) 1,2-DICHLOROETHANE-D4 | 14.32 | 65 | 443015 | 4.62 | ug/L | -0.11 |
| Spiked Amount 5.000 | | | Recovery = 92.40% | | | |
| 3) 4-BROMOFLUOROBENZENE | 24.32 | 174 | 213959 | 4.28 | ug/L | -0.11 |
| Spiked Amount 5.000 | | | Recovery = 85.60% | | | |
| 25) TOLUENE-D8 | 18.45 | 98 | 858904 | 5.31 | ug/L | -0.09 |
| Spiked Amount 5.000 | | | Recovery = 106.20% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 7) BROMOMETHANE | 6.56 | 94 | 2229 | 0.09 | ug/L | 58 |
| 9) TRICHLOROFLUOROMETHANE | 7.28 | 101 | 3643 | 0.06 | ug/L | 82 |
| 12) ACETONE | 8.25 | 43 | 25822 | 2.70 | ug/L | 92 |
| 14) METHYLENE CHLORIDE | 9.61 | 49 | 9483 | 0.14 | ug/L | 83 |
| 18) 2-BUTANONE (MEK) | 12.00 | 43 | 7334 | 0.25 | ug/L | 80 |
| 46) 2-HEXANONE | 19.18 | 43 | 960 | 0.07 | ug/L | 36 |
| 65) 1,3-DICHLOROBENZENE | 26.76 | 146 | 4486 | 0.10 | ug/L | 84 |
| 66) 1,4-DICHLOROBENZENE | 27.02 | 146 | 4900 | 0.11 | ug/L | 72 |
| 67) N-BUTYLBENZENE | 27.30 | 91 | 11753 | 0.13 | ug/L | 93 |
| 68) 1,2-DICHLOROBENZENE | 27.86 | 146 | 4953 | 0.13 | ug/L | 94 |
| 70) 1,2,4-TRICHLOROBENZENE | 31.93 | 180 | 9811 | 0.41 | ug/L | 90 |
| 71) HEXACHLOROBUTADIENE | 32.23 | 225 | 8328 | 0.49 | ug/L | 90 |
| 72) NAPHTHALENE | 32.79 | 128 | 27616 | 0.88 | ug/L | 96 |
| 73) 1,2,3-TRICHLOROBENZENE | 33.47 | 180 | 14938 | 0.73 | ug/L | 78 |
| 74) NITROBENZENE | 29.86 | 77 | 12901 | 19.27 | ug/L | 99 |

(#) = qualifier out of range (m) = manual integration
0116B2.D HP010702.M Wed Jan 16 17:01:40 2002 Page 1

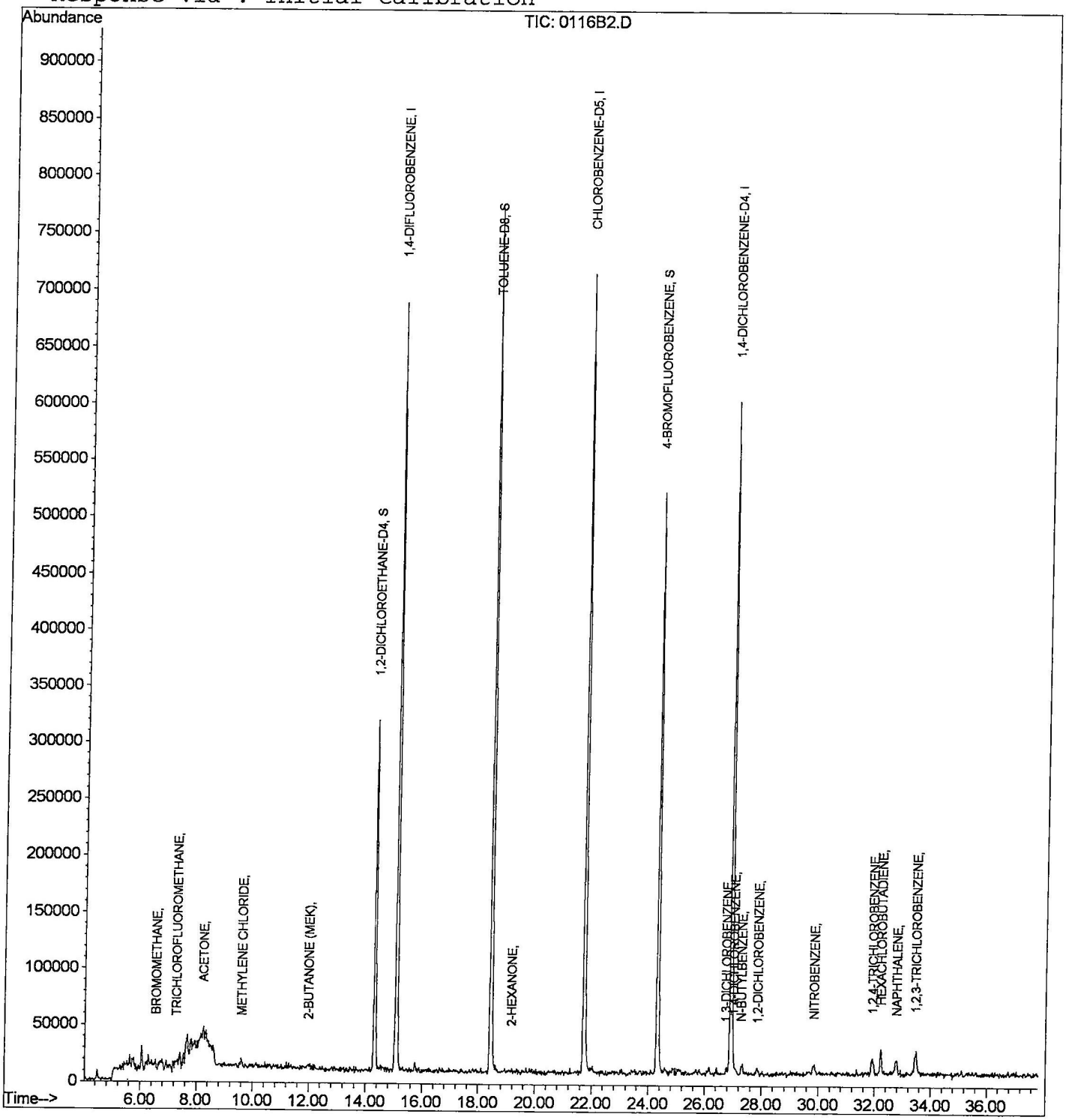
Quantitation Report

Data File : C:\HPCHEM\1\DATA\02jan16\0116B2.D
Acq On : 16 Jan 2002 4:23 pm
Sample :
Misc :
MS Integration Params: LSCINT.P
Quant Time: Jan 16 17:01 2002

Vial: 4
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: HP010702.RES

Method : C:\HPCHEM\1\METHODS\HP010702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Thu Jan 10 08:57:29 2002
Response via : Initial Calibration



**Comments for Sample AE01228 - Analysis VOCCOMNT**

Westchester Dept. of Labs & Research
User: Vannelli, Sandy
Date: 01-17-2002 Time: 16:05:50

Qualitative analysis of this sample by method 524.2 shows the presence of a TIC which elutes at 30.3 minutes(3 minutes after the last internal standard). The mass spectrum of the TIC contains the ions 73, 147, 45 and 59 and closely resembles that of a substitued silane.

It should be noted that the septum on the 40ml vial which was used for this analysis was placed with the silicone side facing the sample.

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02jan16\1228.D
Acq On : 16 Jan 2002 5:06 pm
Sample : nyc stat
Misc :
MS Integration Params: LSCINT.P
Quant Time: Jan 16 17:44 2002

Vial: 5
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: HP010702.RES

Quant Method : C:\HPCHEM\1\METHODS\HP010702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Thu Jan 10 08:57:29 2002
Response via : Initial Calibration
DataAcq Meth : HP010702

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-DIFLUOROBENZENE | 15.10 | 114 | 108341 | 5.00 | ug/L | -0.07 |
| 24) CHLOROBENZENE-D5 | 21.76 | 117 | 118828 | 5.00 | ug/L | -0.09 |
| 52) 1,4-DICHLOROBENZENE-D4 | 26.93 | 152 | 132657 | 5.00 | ug/L | -0.09 |
| **System Monitoring Compounds** | | | | | | |
| 2) 1,2-DICHLOROETHANE-D4 | 14.34 | 65 | 110729 | 7.87 | ug/L | -0.09 |
| Spiked Amount 5.000 | | | Recovery = 157.40% | | | |
| 3) 4-BROMOFLUOROBENZENE | 24.36 | 174 | 46676 | 6.36 | ug/L | -0.07 |
| Spiked Amount 5.000 | | | Recovery = 127.20% | | | |
| 25) TOLUENE-D8 | 18.47 | 98 | 141397 | 4.47 | ug/L | -0.07 |
| Spiked Amount 5.000 | | | Recovery = 89.40% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 5) CHLOROMETHANE | 5.53 | 50 | 1350 | 0.26 | ug/L | 78 |
| 10) Isopropyl Alcohol | 7.89 | 45 | 15784 | 134.75 | ug/L | 97 |
| 12) ACETONE | 8.27 | 43 | 72883 | 51.88 | ug/L | 98 |
| 14) METHYLENE CHLORIDE | 9.61 | 49 | 10846 | 1.09 | ug/L | 94 |
| 18) 2-BUTANONE (MEK) | 12.02 | 43 | 5701 | 2.84 | ug/L | 65 |
| 21) CHLOROFORM | 12.82 | 83 | 1169938 | 109.29 | ug/L | 99 |
| 33) BROMODICHLOROMETHANE | 16.78 | 83 | 120940 | 13.08 | ug/L | 97 |
| 42) DIBROMOCHLOROMETHANE | 20.52 | 129 | 5434 | 1.10 | ug/L | 90 |
| 46) 2-HEXANONE | 19.23 | 43 | 2225 | 0.83 | ug/L | 36 |

(#) = qualifier out of range (m) = manual integration

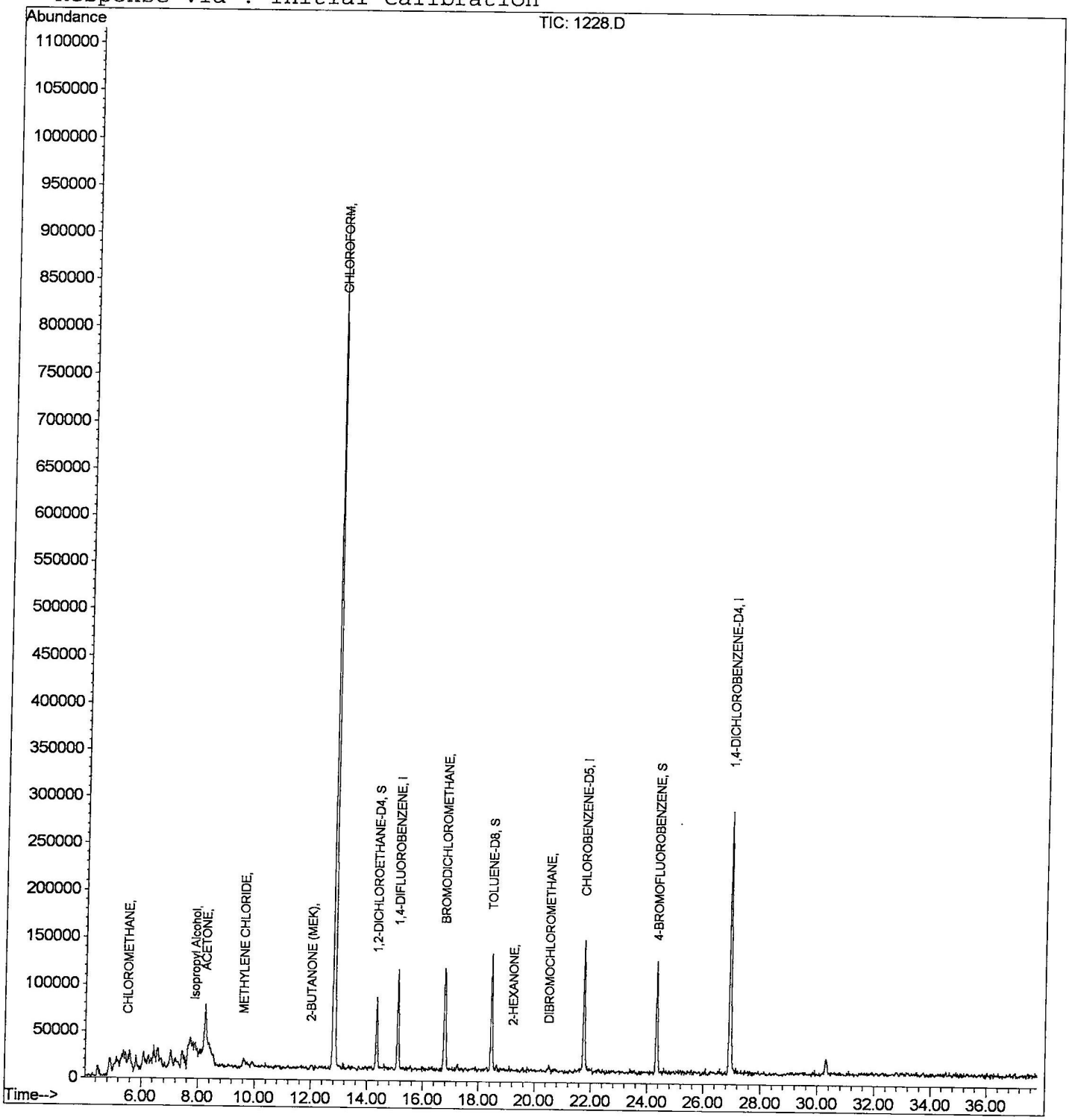
Quantitation Report

Data File : C:\HPCHEM\1\DATA\02jan16\1228.D
Acq On : 16 Jan 2002 5:06 pm
Sample : nyc stat
Misc :
MS Integration Params: LSCINT.P
Quant Time: Jan 16 17:44 2002

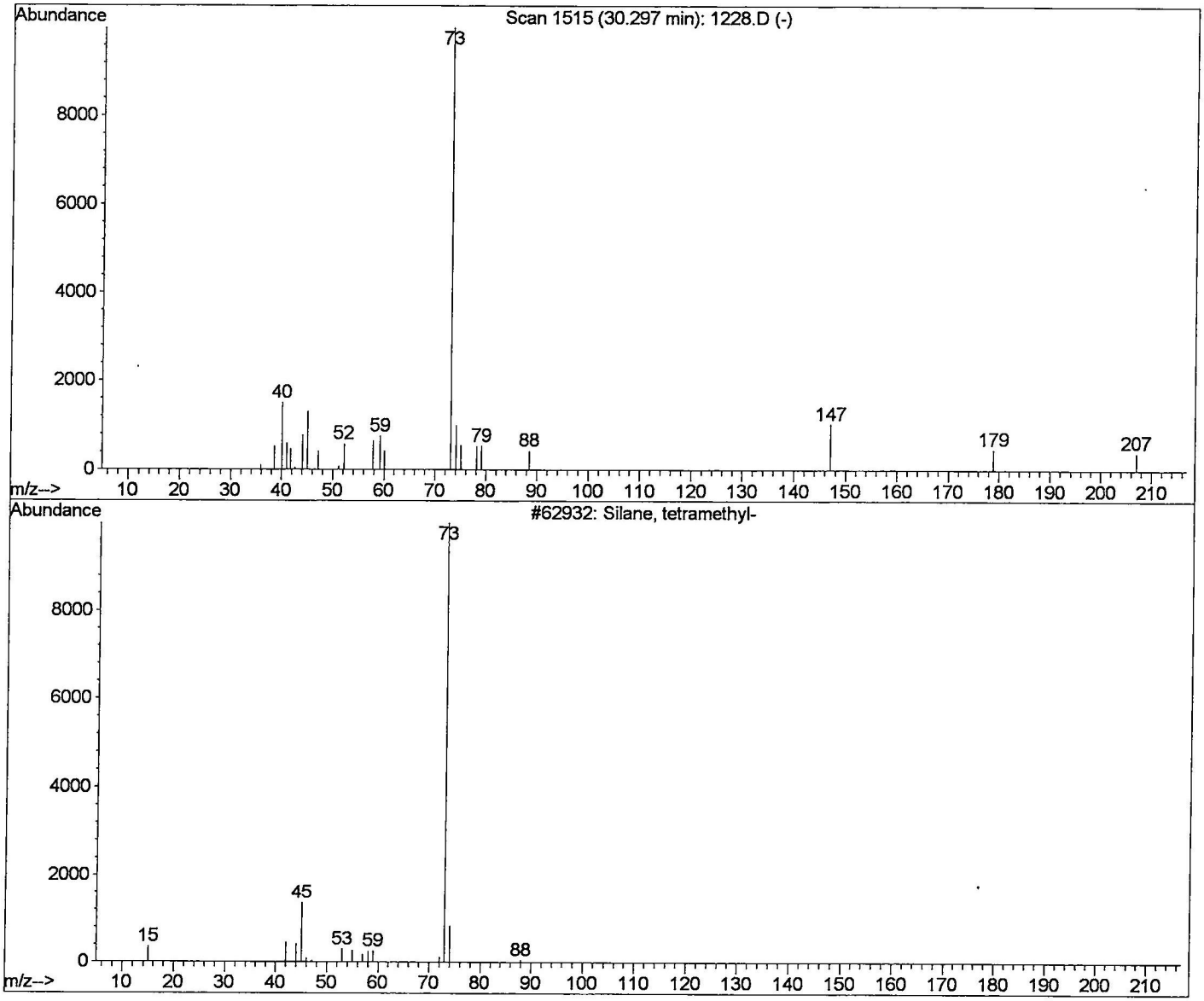
Vial: 5
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: HP010702.RES

Method : C:\HPCHEM\1\METHODS\HP010702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Thu Jan 10 08:57:29 2002
Response via : Initial Calibration



Library Searched : C:\DATABASE\NBS75K.L
Quality : 9
ID : Silane, tetramethyl-



**Comments for Sample AE01229 - Analysis VOCCOMNT**

Westchester Dept. of Labs & Research
User: Vannelli, Sandy
Date: 01-17-2002 Time: 16:06:00

Qualitative analysis of this sample by method 524.2 shows the presence of a TIC which elutes at 30.3 minutes(3 minutes after the last internal standard). The mass spectrum of the TIC contains the ions 73, 147, 45 and 59 and closely resembles that of a substitued silane.

It should be noted that the septum on the 40ml vial which was used for this analysis was placed with the silicone side facing the sample.

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02jan16\1229.D
Acq On : 16 Jan 2002 5:49 pm
Sample : nyc stat
Misc :
MS Integration Params: LSCINT.P
Quant Time: Jan 16 18:27 2002

Vial: 6
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: HP010702.RES

Quant Method : C:\HPCHEM\1\METHODS\HP010702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Thu Jan 10 08:57:29 2002
Response via : Initial Calibration
DataAcq Meth : HP010702

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-DIFLUOROBENZENE | 15.10 | 114 | 114467 | 5.00 | ug/L | -0.07 |
| 24) CHLOROBENZENE-D5 | 21.76 | 117 | 202834 | 5.00 | ug/L | -0.09 |
| 52) 1,4-DICHLOROBENZENE-D4 | 26.93 | 152 | 204904 | 5.00 | ug/L | -0.09 |
| **System Monitoring Compounds** | | | | | | |
| 2) 1,2-DICHLOROETHANE-D4 | 14.34 | 65 | 146614 | 9.87 | ug/L | -0.09 |
| Spiked Amount 5.000 | | | Recovery = 197.40% | | | |
| 3) 4-BROMOFLUOROBENZENE | 24.34 | 174 | 103029 | 13.29 | ug/L | -0.09 |
| Spiked Amount 5.000 | | | Recovery = 265.80% | | | |
| 25) TOLUENE-D8 | 18.47 | 98 | 176205 | 3.26 | ug/L | -0.07 |
| Spiked Amount 5.000 | | | Recovery = 65.20% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 4) DICHLORODIFLUOROMETHANE | 5.02 | 85 | 1148 | 0.23 | ug/L | 71 |
| 5) CHLOROMETHANE | 5.33 | 50 | 3687 | 0.66 | ug/L | 73 |
| 7) BROMOMETHANE | 6.68 | 94 | 1777 | 0.49 | ug/L | 70 |
| 10) Isopropyl Alcohol | 7.89 | 45 | 19990 | 161.52 | ug/L | 74 |
| 11) 1,1,2-Trichloro-1,2,2-trif | 7.89 | 101 | 477 | 0.08 | ug/L | 71 |
| 12) ACETONE | 8.27 | 43 | 94334 | 63.55 | ug/L | 93 |
| 14) METHYLENE CHLORIDE | 9.61 | 49 | 11920 | 1.13 | ug/L | 86 |
| 15) METHYL TERT BUTYL ETHER | 9.93 | 73 | 7942 | 1.29 | ug/L | 80 |
| 18) 2-BUTANONE (MEK) | 12.02 | 43 | 3460 | 1.48 | ug/L | 65 |
| 21) CHLOROFORM | 12.82 | 83 | 594208 | 52.54 | ug/L | 98 |
| 33) BROMODICHLOROMETHANE | 16.78 | 83 | 68571 | 4.34 | ug/L | 93 |
| 37) TOLUENE | 18.64 | 91 | 4051 | 0.11 | ug/L | 98 |
| 42) DIBROMOCHLOROMETHANE | 20.49 | 129 | 3334 | 0.39 | ug/L | 56 |
| 46) 2-HEXANONE | 19.16 | 43 | 2265 | 0.50 | ug/L | 36 |

(#) = qualifier out of range (m) = manual integration

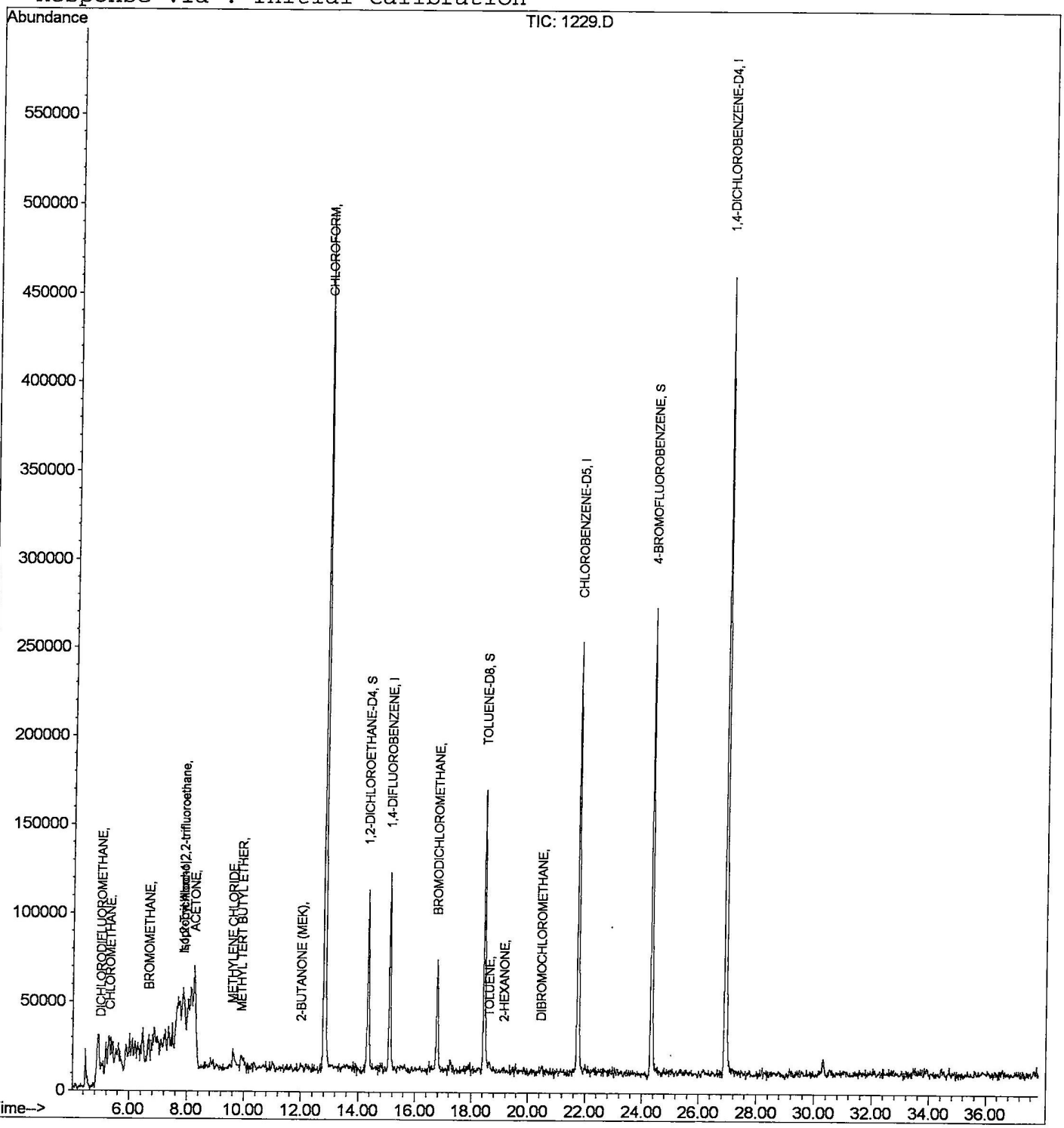
# Quantitation Report

Data File : C:\HPCHEM\1\DATA\02jan16\1229.D
Acq On : 16 Jan 2002 5:49 pm
Sample : nyc stat
Misc :
MS Integration Params: LSCINT.P
Quant Time: Jan 16 18:27 2002

Vial: 6
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: HP010702.RES

Method : C:\HPCHEM\1\METHODS\HP010702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Thu Jan 10 08:57:29 2002
Response via : Initial Calibration



Library Searched : C:\DATABASE\NBS75K.L
Quality : 2
ID : Silane, trimethyl(1-methyl-1-propenyl)-, (E)-