

User: Huhn, William  
Westchester Dept. of Labs & Research  
Date: 12/17/2001 Time: 08:41:28

Sample: AD29463  
Analysis: \$B1524 Volatile Organic Compounds-Blank  
Units: ug  
Started: 12/13/01 00:08 Ended: 12/13/01 00:08 Analyst: BH  
Result source: a:\1213bl1.rr  
Page: 2

|    | Component Name          | Viol | 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  |

User: Huhn, William  
 Westchester Dept. of Labs & Research  
 Date: 12/17/2001 Time: 08:41:28

Sample: AD29463  
 Analysis: \$B1524 Volatile Organic Compounds-Blank  
 Units: ug  
 Started: 12/13/01 00:08 Ended: 12/13/01 00:08 Analyst: BH  
 Result source: a:\1213bl1.rr  
 Page: 1

|    | Component Name             | Viol | Result |
|----|----------------------------|------|--------|
| 1  | Surr - 1,2-DICHLOROETHANE- |      | 4.1    |
| 2  | Surr - 4-BROMOFLUOROBENZ   |      | 5.0    |
| 3  | DICHLORODIFLUOROMETHAN     |      | < MDL  |
| 4  | CHLOROMETHANE              |      | < MDL  |
| 5  | VINYL CHLORIDE             |      | < MDL  |
| 6  | BROMOMETHANE               |      | < MDL  |
| 7  | CHLOROETHANE               |      | < MDL  |
| 8  | TRICHLOROFLUOROMETHAN      |      | < MDL  |
| 9  | ACETONE                    |      | 0.64   |
| 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)           |      | 0.51   |
| 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          |      | 5.0    |
| 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                 |      | < MDL  |
| 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  |



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\01dec13\1213BL1.D  
 Acq On : 13 Dec 2001 8:43 am  
 Sample : 1b  
 Misc :  
 MS Integration Params: LSCINT.P  
 Quant Time: Dec 13 9:22 2001

Vial: 5  
 Operator: 206-BH  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Results File: HP121001.RES

Quant Method : C:\HPCHEM\1\METHODS\HP121001.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Last Update : Wed Dec 12 08:39:59 2001  
 Response via : Initial Calibration  
 DataAcq Meth : HP121001

| Internal Standards          | R.T.  | QIon | Response | Conc | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|------|---------|-----------|
| 1) 1,4-DIFLUOROBENZENE      | 14.39 | 114  | 1352531  | 5.00 | ug/L    | 0.03      |
| 22) CHLOROBENZENE-D5        | 20.98 | 117  | 1338397  | 5.00 | ug/L    | 0.02      |
| 50) 1,4-DICHLOROBENZENE-D4  | 26.14 | 152  | 669792   | 5.00 | ug/L    | 0.03      |
| System Monitoring Compounds |       |      |          |      |         |           |
| 2) 1,2-DICHLOROETHANE-D4    | 13.62 | 65   | 366799   | 4.12 | ug/L    | 0.03      |
| Spiked Amount 5.000         |       |      | Recovery | =    | 82.40%  |           |
| 3) 4-BROMOFLUOROBENZENE     | 23.57 | 174  | 519369   | 5.00 | ug/L    | 0.03      |
| Spiked Amount 5.000         |       |      | Recovery | =    | 100.00% |           |
| 23) TOLUENE-D8              | 17.71 | 98   | 1771130  | 4.99 | ug/L    | 0.03      |
| Spiked Amount 5.000         |       |      | Recovery | =    | 99.80%  |           |
| Target Compounds            |       |      |          |      |         |           |
| 10) ACETONE                 | 7.67  | 43   | 5801     | 0.64 | ug/L    | Qvalue 95 |
| 16) 2-BUTANONE (MEK)        | 11.34 | 43   | 8171     | 0.51 | ug/L    | 64        |

-----  
 (#) = qualifier out of range (m) = manual integration  
 1213BL1.D HP121001.M Thu Dec 13 09:22:38 2001

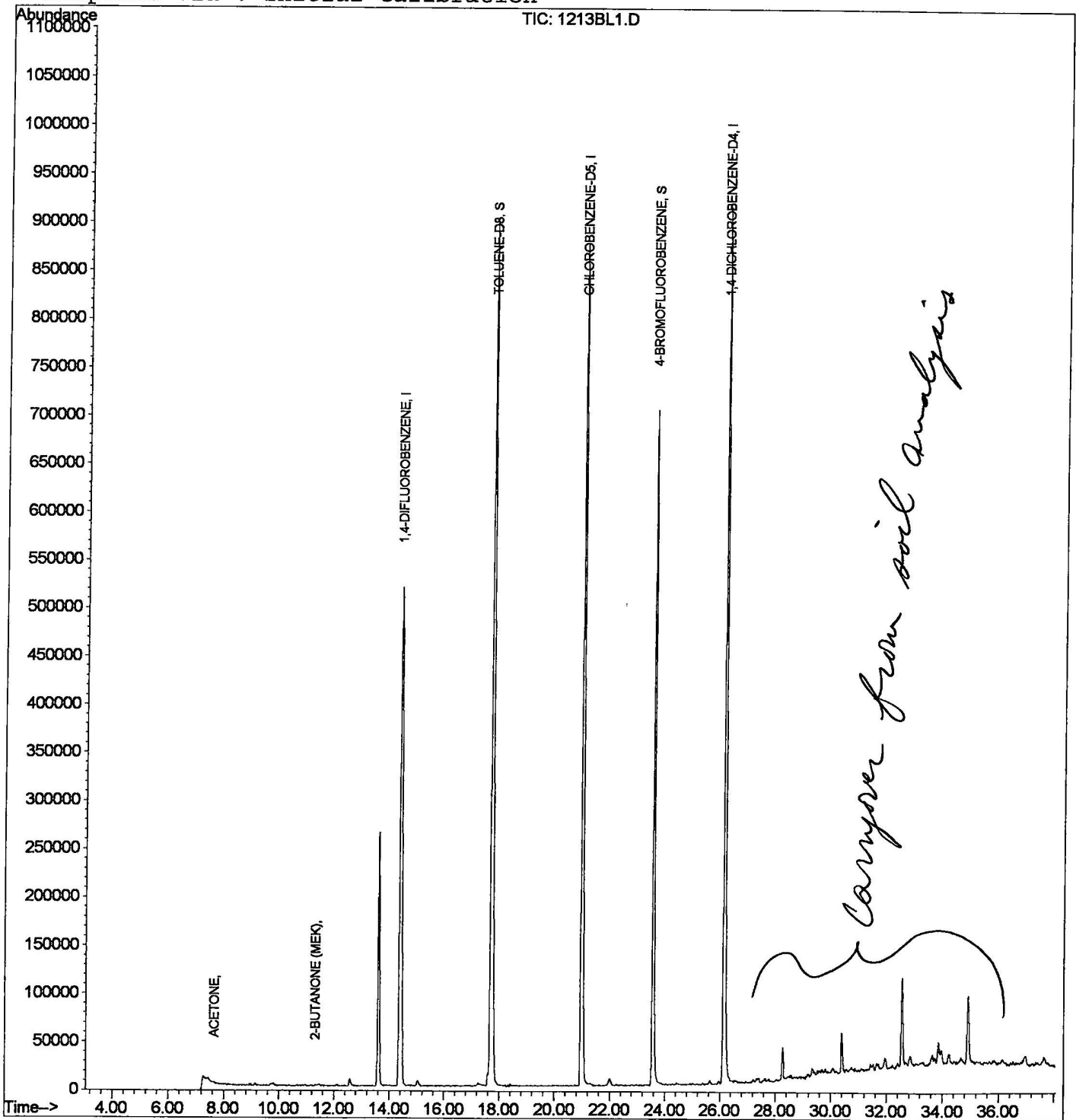
## Quantitation Report

Data File : C:\HPCHEM\1\DATA\01dec13\1213BL1.D  
Acq On : 13 Dec 2001 8:43 am  
Sample : lb  
Misc :  
MS Integration Params: LSCINT.P  
Quant Time: Dec 13 9:22 2001

Vial: 5  
Operator: 206-BH  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Results File: HP121001.RES

Method : C:\HPCHEM\1\METHODS\HP121001.M (RTE Integrator)  
Title : VOCs BY EPA METHOD 524  
Last Update : Wed Dec 12 08:39:32 2001  
Response via : Initial Calibration



User: Huhn, William  
 Westchester Dept. of Labs & Research  
 Date: 12/17/2001 Time: 08:40:25

Sample: AD29463  
 Analysis: \$C1524 Volatile Organic Compounds-Cal 1  
 Units: ug  
 Started: 12/13/01 00:09 Ended: 12/13/01 00:09 Analyst: BH  
 Result source: a:\1213c10.rr  
 Page: 1

|    | Component Name            | Viol | Result | Qualifier | MDL |
|----|---------------------------|------|--------|-----------|-----|
| 1  | Surr_1,2-DICHLOROETHANE-  |      | 4.6 ✓  |           | .5  |
| 2  | Surr_4-BROMOFLUOROBENZE   |      | 5.0 ✓  |           | .5  |
| 3  | Dichlorodifluoromethane   |      | 7.7    |           | .5  |
| 4  | Chloromethane             |      | 8.2    |           | .5  |
| 5  | Vinyl chloride            |      | 9.4    |           | .5  |
| 6  | Bromomethane              |      | 8.3    |           | .5  |
| 7  | Chloroethane              |      | 9.0    |           | .5  |
| 8  | Trichlorofluoromethane    |      | 9.8    |           | .5  |
| 9  | 1,1-Dichloroethene        |      | 8.0    |           | .5  |
| 10 | Methylene Chloride        |      | 7.9    |           | .5  |
| 11 | Methyl tert-butyl ether   |      | 8.5    |           | 1.0 |
| 12 | trans-1,2-dichloroethene  |      | 8.3    |           | .5  |
| 13 | 1,1-dichloroethane        |      | 8.4    |           | .5  |
| 14 | 2-butanone (MEK)          |      | 8.2    |           | 2.0 |
| 15 | 2,2-dichloropropane       |      | 8.7    |           | .5  |
| 16 | cis-1,2-dichloroethene    |      | 9.5    |           | .5  |
| 17 | Chloroform                |      | 9.1    |           | .5  |
| 18 | Bromochloromethane        |      | 8.3    |           | .5  |
| 19 | 1,2-dichloroethane        |      | 8.4    |           | .5  |
| 20 | Surr_TOLUENE-D8           |      | 5.1 ✓  |           | .5  |
| 21 | 1,1,1- trichloroethane    |      | 9.4    |           | .5  |
| 22 | 1,1-dichloropropene       |      | 9.4    |           | .5  |
| 23 | Carbon tetrachloride      |      | 9.6    |           | .5  |
| 24 | Benzene                   |      | 8.9    |           | .5  |
| 25 | Trichloroethene           |      | 9.7    |           | .5  |
| 26 | 1,2-dichloropropane       |      | 8.8    |           | .5  |
| 27 | Dibromomethane            |      | 11     |           | .5  |
| 28 | Bromodichloromethane      |      | 9.2    |           | .5  |
| 29 | Methyl iso-butyl ketone   |      | 8.7    |           | 1.0 |
| 30 | cis-1,3-dichloropropene   |      | 9.1    |           | .5  |
| 31 | Toluene                   |      | 9.3    |           | .5  |
| 32 | trans-1,3-dichloropropene |      | 9.1    |           | .5  |
| 33 | 1,1,2-trichloroethane     |      | 9.3    |           | .5  |
| 34 | Tetrachloroethene         |      | 9.7    |           | .5  |
| 35 | 1,3-dichloropropane       |      | 9.1    |           | .5  |
| 36 | Dibromochloromethane      |      | 9.5    |           | 2.0 |
| 37 | Chlorobenzene             |      | 9.2    |           | .5  |
| 38 | 1,1,1,2-tetrachloroethane |      | 9.0    |           | .5  |
| 39 | Ethylbenzene              |      | 9.1    |           | .5  |
| 40 | P & M-xylene              |      | 18     |           | .5  |
| 41 | O-xylene                  |      | 9.0    |           | .5  |
| 42 | Styrene                   |      | 9.0    |           | .5  |
| 43 | 1,1,2,2-tetrachloroethane |      | 8.6    |           | .5  |
| 44 | Bromoform                 |      | 9.8    |           | 2.0 |
| 45 | Isopropylbenzene          |      | 8.9    |           | .5  |
| 46 | 1,2,3-trichloropropane    |      | 9.0    |           | .5  |
| 47 | N-propylbenzene           |      | 8.9    |           | .5  |
| 48 | Bromobenzene              |      | 9.3    |           | .5  |

User: Huhn, William  
Westchester Dept. of Labs & Research  
Date: 12/17/2001 Time: 08:40:25

Sample: AD29463  
Analysis: \$C1524 Volatile Organic Compounds-Cal 1  
Units: ug  
Started: 12/13/01 00:09 Ended: 12/13/01 00:09 Analyst: BH  
Result source: a:\1213c10.rr  
Page: 2

|    | Component Name         | Viol | Result | Qualifier | MDL |
|----|------------------------|------|--------|-----------|-----|
| 49 | 1,3,5-trimethylbenzene |      | 9.1    |           | .5  |
| 50 | 2-chlorotoluene        |      | 8.6    |           | .5  |
| 51 | 4-chlorotoluene        |      | 9.4    |           | .5  |
| 52 | TERT-butylbenzene      |      | 9.0    |           | .5  |
| 53 | 1,2,4-trimethylbenzene |      | 8.9    |           | .5  |
| 54 | SEC-butylbenzene       |      | 8.9    |           | .5  |
| 55 | P-isopropyltoluene     |      | 8.8    |           | .5  |
| 56 | 1,3-dichlorobenzene    |      | 9.0    |           | .5  |
| 57 | 1,4-dichlorobenzene    |      | 9.0    |           | .5  |
| 58 | N-butylbenzene         |      | 9.2    |           | .5  |
| 59 | 1,2-dichlorobenzene    |      | 9.0    |           | .5  |
| 60 | 1,2,4-trichlorobenzene |      | 9.6    |           | .5  |
| 61 | Hexachlobutadiene      |      | 8.8    |           | .5  |
| 62 | Naphthalene            |      | 9.3    |           | .5  |
| 63 | 1,2,3-trichlorobenzene |      | 9.3    |           | .5  |

## Quantitation Report

(Not Reviewed)

Data File : C:\HPCHEM\1\DATA\01DEC13\1213C10.D

Vial: 8

Acq On : 13 Dec 2001 9:27 am

Operator: 206-BH

Sample : cal 10

Inst : GC/MS Ins

Misc :

Multiplr: 1.00

MS Integration Params: LSCINT.P

Quant Time: Dec 17 8:37 2001

Quant Results File: HP121001.RES

Quant Method : C:\HPCHEM\1\METHODS\HP121001.M (RTE Integrator)

Title : VOCs BY EPA METHOD 524

Last Update : Wed Dec 12 08:39:59 2001

Response via : Initial Calibration

DataAcq Meth : HP121001

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-DIFLUOROBENZENE     | 14.41 | 114  | 1453921  | 5.00 | ug/L  | 0.00     |
| 22) CHLOROBENZENE-D5       | 21.00 | 117  | 1396606  | 5.00 | ug/L  | 0.00     |
| 50) 1,4-DICHLOROBENZENE-D4 | 26.16 | 152  | 748407   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                          |       |     |          |      |         |      |
|--------------------------|-------|-----|----------|------|---------|------|
| 2) 1,2-DICHLOROETHANE-D4 | 13.62 | 65  | 435825   | 4.55 | ug/L    | 0.00 |
| Spiked Amount            | 5.000 |     | Recovery | =    | 91.00%  |      |
| 3) 4-BROMOFLUOROBENZENE  | 23.57 | 174 | 556190   | 4.99 | ug/L    | 0.00 |
| Spiked Amount            | 5.000 |     | Recovery | =    | 99.80%  |      |
| 23) TOLUENE-D8           | 17.73 | 98  | 1897733  | 5.13 | ug/L    | 0.00 |
| Spiked Amount            | 5.000 |     | Recovery | =    | 102.60% |      |

## Target Compounds

|                               |       |     |         |            | Qvalue |
|-------------------------------|-------|-----|---------|------------|--------|
| 4) DICHLORODIFLUOROMETHANE    | 4.46  | 85  | 365604  | 7.71 ug/L  | 100    |
| 5) CHLOROMETHANE              | 4.98  | 50  | 242714  | 8.23 ug/L  | 100    |
| 6) VINYL CHLORIDE             | 5.14  | 62  | 274360  | 9.35 ug/L  | 100    |
| 7) BROMOMETHANE               | 6.06  | 94  | 211608  | 8.25 ug/L  | 100    |
| 8) CHLOROETHANE               | 6.19  | 64  | 180703  | 8.98 ug/L  | 100    |
| 9) TRICHLOROFLUOROMETHANE     | 6.73  | 101 | 621395  | 9.76 ug/L  | 100    |
| 10) ACETONE                   | 7.65  | 43  | 68522   | 7.03 ug/L  | 100    |
| 11) 1,1-DICHLOROETHENE        | 7.99  | 61  | 657332  | 7.96 ug/L  | 100    |
| 12) METHYLENE CHLORIDE        | 8.97  | 49  | 635543  | 7.93 ug/L  | 100    |
| 13) METHYL TERT BUTYL ETHER   | 9.26  | 73  | 893195  | 8.45 ug/L  | 100    |
| 14) TRANS-1,2-DICHLOROETHENE  | 9.62  | 61  | 739132  | 8.25 ug/L  | 100    |
| 15) 1,1-DICHLOROETHANE        | 10.50 | 63  | 933788  | 8.35 ug/L  | 100    |
| 16) 2-BUTANONE (MEK)          | 11.32 | 43  | 141440  | 8.21 ug/L  | 100    |
| 17) 2,2-DICHLOROPROPANE       | 11.70 | 77  | 804258  | 8.73 ug/L  | 100    |
| 18) CIS-1,2-DICHLOROETHENE    | 11.78 | 96  | 592145  | 9.46 ug/L  | 100    |
| 19) CHLOROFORM                | 12.12 | 83  | 972430  | 9.12 ug/L  | 100    |
| 20) BROMOCHLOROMETHANE        | 12.50 | 49  | 419847  | 8.30 ug/L  | 100    |
| 21) 1,2-DICHLOROETHANE        | 13.83 | 62  | 605702  | 8.44 ug/L  | 100    |
| 24) 1,1,1-TRICHLOROETHANE     | 12.99 | 97  | 805506  | 9.39 ug/L  | 100    |
| 25) 1,1-DICHLOROPROPENE       | 13.33 | 75  | 793585  | 9.37 ug/L  | 100    |
| 26) CARBON TETRACHLORIDE      | 13.57 | 117 | 702071  | 9.62 ug/L  | 100    |
| 27) BENZENE                   | 13.93 | 78  | 2199518 | 8.94 ug/L  | 100    |
| 28) TRICHLOROETHENE           | 15.19 | 95  | 640931  | 9.72 ug/L  | 100    |
| 29) 1,2-DICHLOROPROPANE       | 15.53 | 63  | 604627  | 8.82 ug/L  | 100    |
| 30) DIBROMOMETHANE            | 16.19 | 174 | 260352  | 10.67 ug/L | 100    |
| 31) BROMODICHLOROMETHANE      | 16.04 | 83  | 726555  | 9.20 ug/L  | 100    |
| 32) 2-CHLOROETHYL VINYL ETHER | 16.55 | 63  | 227480  | 8.94 ug/L  | 100    |
| 33) Methyl iso-butyl ketone   | 16.62 | 58  | 113471  | 8.67 ug/L  | 100    |

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

1213C10.D HP121001.M Mon Dec 17 08:37:43 2001

Page 1

## Quantitation Report

(Not Reviewed)

Data File : C:\HPCHEM\1\DATA\01DEC13\1213C10.D

Acq On : 13 Dec 2001 9:27 am

Sample : cal 10

Misc :

MS Integration Params: LSCINT.P

Quant Time: Dec 17 8:37 2001

Vial: 8

Operator: 206-BH

Inst : GC/MS Ins

Multiplr: 1.00

Quant Results File: HP121001.RES

Quant Method : C:\HPCHEM\1\METHODS\HP121001.M (RTE Integrator)

Title : VOCs BY EPA METHOD 524

Last Update : Wed Dec 12 08:39:59 2001

Response via : Initial Calibration

DataAcq Meth : HP121001

| Compound                       | R.T.  | QIon | Response | Conc   | Unit | Qvalue |
|--------------------------------|-------|------|----------|--------|------|--------|
| 34) CIS-1,3-DICHLOROPROPENE    | 17.13 | 75   | 896704   | 9.07   | ug/L | 100    |
| 35) TOLUENE                    | 17.90 | 91   | 2576835  | 9.28   | ug/L | 100    |
| 36) TRANS-1,3-DICHLOROPROPENE  | 18.17 | 75   | 698751   | 9.10   | ug/L | 100    |
| 37) 1,1,2-TRICHLOROETHANE      | 18.55 | 97   | 353903   | 9.30   | ug/L | 100    |
| 38) TETRACHLOROETHENE          | 19.33 | 166  | 636228   | 9.72   | ug/L | 100    |
| 39) 1,3-DICHLOROPROPANE        | 19.07 | 76   | 671210   | 9.14   | ug/L | 100    |
| 40) DIBROMOCHLOROMETHANE       | 19.75 | 129  | 439478   | 9.51   | ug/L | 100    |
| 41) 1,2-DIBROMOETHANE          | 20.20 | 107  | 336108   | 9.28   | ug/L | 100    |
| 42) CHLOROBENZENE              | 21.08 | 112  | 1703009  | 9.22   | ug/L | 100    |
| 43) 1,1,1,2-TETRACHLOROETHANE  | 21.13 | 131  | 544106   | 9.04   | ug/L | 100    |
| 44) 2-HEXANONE                 | 18.46 | 43   | 195468   | 8.94   | ug/L | 100    |
| 45) ETHYLBENZENE               | 21.13 | 91   | 3111401  | 9.10   | ug/L | 100    |
| 46) P & M-XYLENE               | 21.31 | 106  | 2320620  | 18.06  | ug/L | 100    |
| 47) O-XYLENE                   | 22.26 | 91   | 2463148  | 9.04   | ug/L | 100    |
| 48) STYRENE                    | 22.33 | 104  | 1900200  | 8.96   | ug/L | 100    |
| 49) 1,1,2,2-TETRACHLOROETHANE  | 23.33 | 83   | 350635   | 8.62   | ug/L | 100    |
| 51) BROMOFORM                  | 23.16 | 173  | 222572   | 9.84   | ug/L | 100    |
| 52) ISOPROPYLBENZENE           | 22.97 | 105  | 2916156  | 8.92   | ug/L | 100    |
| 53) 1,2,3-TRICHLOROPROPANE     | 23.66 | 110  | 107072   | 8.98   | ug/L | 100    |
| 54) N-PROPYLBENZENE            | 23.84 | 91   | 3770303  | 8.90   | ug/L | 100    |
| 55) BROMOBENZENE               | 24.08 | 156  | 649468   | 9.33   | ug/L | 100    |
| 56) 1,3,5-TRIMETHYLBENZENE     | 24.17 | 105  | 2565570  | 9.09   | ug/L | 100    |
| 57) 2-CHLOROTOLUENE            | 24.32 | 91   | 2308443  | 8.59   | ug/L | 100    |
| 58) 4-CHLOROTOLUENE            | 24.39 | 91   | 2255201  | 9.37   | ug/L | 100    |
| 59) TERT-BUTYLBENZENE          | 24.95 | 134  | 541416   | 8.98   | ug/L | 100    |
| 60) 1,2,4-TRIMETHYLBENZENE     | 25.05 | 105  | 2608722  | 8.90   | ug/L | 100    |
| 61) SEC-BUTYLBENZENE           | 25.41 | 105  | 3511300  | 8.93   | ug/L | 100    |
| 62) P-ISOPROPYLTOLUENE         | 25.67 | 119  | 2786354  | 8.83   | ug/L | 100    |
| 63) 1,3-DICHLOROBENZENE        | 26.01 | 146  | 1357885  | 9.02   | ug/L | 100    |
| 64) 1,4-DICHLOROBENZENE        | 26.23 | 146  | 1347518  | 8.95   | ug/L | 100    |
| 65) N-BUTYLBENZENE             | 26.55 | 91   | 2781787  | 9.21   | ug/L | 100    |
| 66) 1,2-DICHLOROBENZENE        | 27.06 | 146  | 1117530  | 9.00   | ug/L | 100    |
| 67) 1,2-DIBROMO-3-CHLOROPROPAN | 28.72 | 157  | 60465    | 9.52   | ug/L | 100    |
| 68) NITROBENZENE               | 28.92 | 77   | 405682   | 155.00 | ug/L | 100    |
| 69) 1,2,4-TRICHLOROBENZENE     | 30.66 | 180  | 660342   | 9.59   | ug/L | 100    |
| 70) HEXACHLOROBUTADIENE        | 30.90 | 225  | 370056   | 8.84   | ug/L | 100    |
| 71) NAPHTHALENE                | 31.32 | 128  | 708885   | 9.34   | ug/L | 100    |
| 72) 1,2,3-TRICHLOROBENZENE     | 31.89 | 180  | 472165   | 9.34   | ug/L | 100    |

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

1213C10.D HP121001.M Mon Dec 17 08:37:46 2001

Page 2

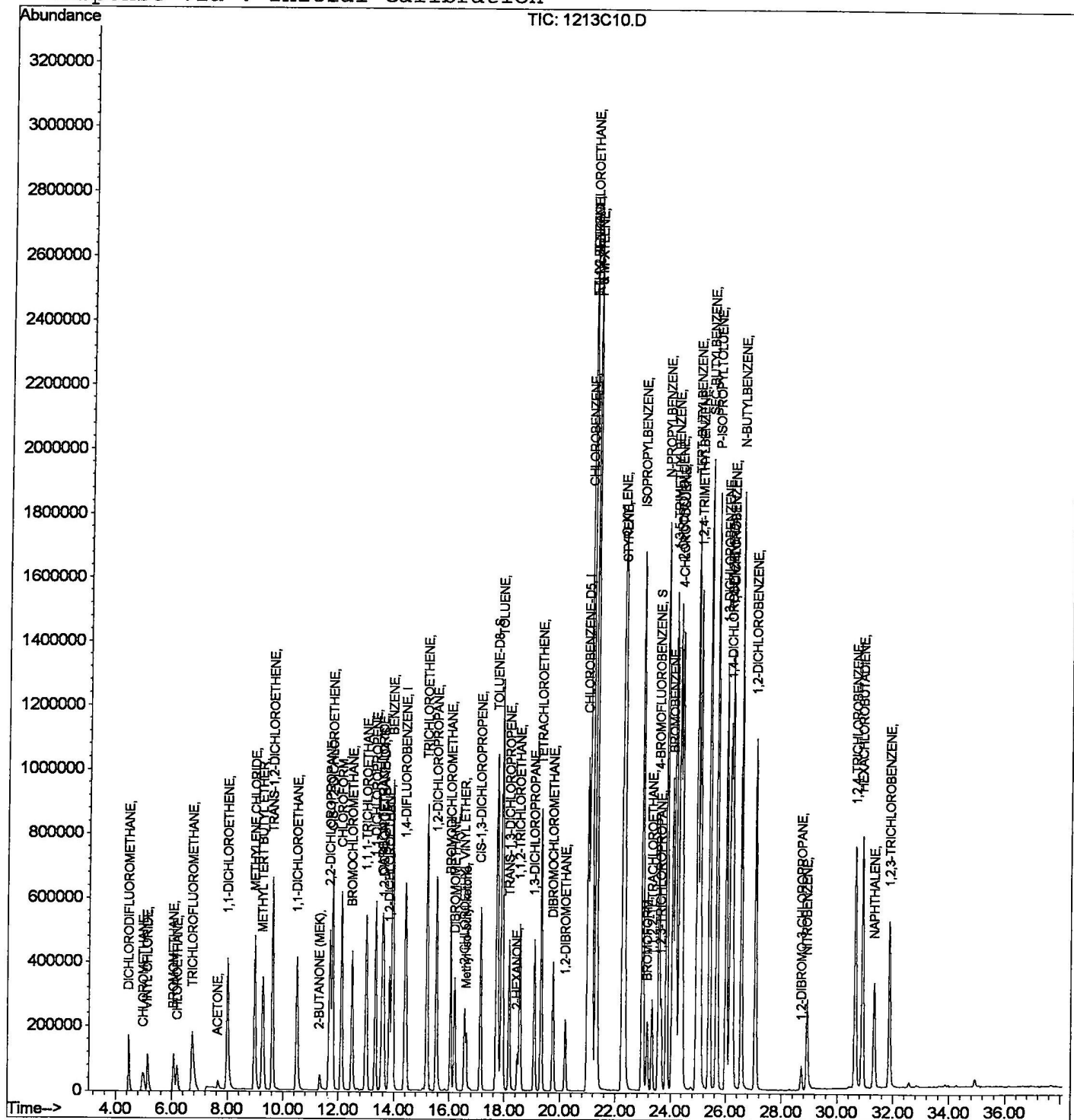
## Quantitation Report

Data File : C:\HPCHEM\1\DATA\01DEC13\1213C10.D  
 Acq On : 13 Dec 2001 9:27 am  
 Sample : cal 10  
 Misc :  
 MS Integration Params: LSCINT.P  
 Quant Time: Dec 17 8:37 2001

Vial: 8  
 Operator: 206-BH  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Results File: HP121001.RES

Method : C:\HPCHEM\1\METHODS\HP121001.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Last Update : Wed Dec 12 08:39:32 2001  
 Response via : Initial Calibration



Mon Dec 17 08:37:53 2001

Page 3



User: Huhn, William  
 Westchester Dept. of Labs & Research  
 Date: 12/17/2001 Time: 08:42:50

Sample: AD29463

Analysis: \$RE524 Reference recovery for 524

Units: ug

Started: 12/13/01 00:00 Ended: 12/13/01 00:00 Analyst: BH

Result source: a:\1213r40.rr

Page: 1

|    | Component Name           | Viol | Result | Qualifier | MDL |
|----|--------------------------|------|--------|-----------|-----|
| 1  | 1,2-DICHLOROETHANE-D4    |      | 5.1    |           |     |
| 2  | 4-BROMOFLUOROBENZENE     |      | 5.3    |           |     |
| 3  | DICHLORODIFLUOROMETHAN   |      | 34     |           | .5  |
| 4  | CHLOROMETHANE            |      | 45     |           | .5  |
| 5  | VINYL CHLORIDE           |      | 31     |           | .5  |
| 6  | BROMOMETHANE             |      | 51     |           | .5  |
| 7  | CHLOROETHANE             |      | 52     |           | .5  |
| 8  | TRICHLOROFLUOROMETHAN    |      | 46     |           | .5  |
| 9  | ACETONE                  |      | 38     |           | .5  |
| 10 | 1,1-DICHLOROETHENE       |      | 34     |           | .5  |
| 11 | METHYLENE CHLORIDE       |      | 39     |           | .5  |
| 12 | METHYL TERT BUTYL ETHER  |      | 33     |           | 1   |
| 13 | TRANS-1,2-DICHLOROETHEN  |      | 35     |           | .5  |
| 14 | 1,1-DICHLOROETHANE       |      | 36     |           | .5  |
| 15 | 2-BUTANONE (MEK)         |      | 39     |           | .5  |
| 16 | 2,2-DICHLOROPROPANE      |      | 34     |           | .5  |
| 17 | CIS-1,2-DICHLOROETHENE   |      | 38     |           | .5  |
| 18 | CHLOROFORM               |      | 38     |           | .5  |
| 19 | BROMOCHLOROMETHANE       |      | 41     |           | .5  |
| 20 | 1,2-DICHLOROETHANE       |      | 36     |           | .5  |
| 21 | TOLUENE-D8               |      | 5.2    |           |     |
| 22 | 1,1,1-TRICHLOROETHANE    |      | 34     |           | .5  |
| 23 | 1,1-DICHLOROPROPENE      |      | 34     |           | .5  |
| 24 | CARBON TETRACHLORIDE     |      | 34     |           | .5  |
| 25 | BENZENE                  |      | 34     |           | .5  |
| 26 | TRICHLOROETHENE          |      | 34     |           | .5  |
| 27 | 1,2-DICHLOROPROPANE      |      | 35     |           | .5  |
| 28 | DIBROMOMETHANE           |      | 40     |           | .5  |
| 29 | BROMODICHLOROMETHANE     |      | 37     |           | .5  |
| 30 | 2-CHLOROETHYL VINYL ETHE |      | 35     |           | .5  |
| 31 | METHYL ISO-BUTYL KETONE  |      | 36     |           | 1   |
| 32 | CIS-1,3-DICHLOROPROPENE  |      | 37     |           | .5  |
| 33 | TOLUENE                  |      | 34     |           | .5  |
| 34 | TRANS-1,3-DICHLOROPROPE  |      | 36     |           | .5  |
| 35 | 1,1,2-TRICHLOROETHANE    |      | 37     |           | .5  |
| 36 | TETRACHLOROETHENE        |      | 33     |           | .5  |
| 37 | 1,3-DICHLOROPROPANE      |      | 38     |           | .5  |
| 38 | DIBROMOCHLOROMETHANE     |      | 38     |           | 2   |
| 39 | 1,2-DIBROMOETHANE        |      | 38     |           | .5  |
| 40 | CHLOROBENZENE            |      | 34     |           | .5  |
| 41 | 1,1,1,2-TETRACHLOROETHA  |      | 34     |           | .5  |
| 42 | 2-HEXANONE               |      | 43     |           | .5  |
| 43 | ETHYLBENZENE             |      | 34     |           | .5  |
| 44 | P & M-XYLENE             |      | 66     |           | .5  |
| 45 | O-XYLENE                 |      | 35     |           | .5  |
| 46 | STYRENE                  |      | 35     |           | .5  |
| 47 | 1,1,2,2-TETRACHLOROETHA  |      | 40     |           | .5  |
| 48 | BROMOFORM                |      | 41     |           | 2   |



User: Huhn, William  
 Westchester Dept. of Labs & Research  
 Date: 12/17/2001 Time: 08:42:50

Sample: AD29463

Analysis: \$RE524 Reference recovery for 524

Units: ug

Started: 12/13/01 00:00 Ended: 12/13/01 00:00 Analyst: BH

Result source: a:\1213r40.rr

Page: 2

|    | Component Name          | Viol | Result | Qualifier | MDL |
|----|-------------------------|------|--------|-----------|-----|
| 49 | ISOPROPYLBENZENE        |      | 33     |           | .5  |
| 50 | 1,2,3-TRICHLOROPROPANE  |      | 37     |           | .5  |
| 51 | N-PROPYLBENZENE         |      | 34     |           | .5  |
| 52 | BROMOBENZENE            |      | 34     |           | .5  |
| 53 | 1,3,5-TRIMETHYLBENZENE  |      | 33     |           | .5  |
| 54 | 2-CHLOROTOLUENE         |      | 32     |           | .5  |
| 55 | 4-CHLOROTOLUENE         |      | 35     |           | .5  |
| 56 | TERT-BUTYLBENZENE       |      | 32     |           | .5  |
| 57 | 1,2,4-TRIMETHYLBENZENE  |      | 34     |           | .5  |
| 58 | SEC-BUTYLBENZENE        |      | 33     |           | .5  |
| 59 | P-ISOPROPYLTOLUENE      |      | 32     |           | .5  |
| 60 | 1,3-DICHLOROBENZENE     |      | 34     |           | .5  |
| 61 | 1,4-DICHLOROBENZENE     |      | 34     |           | .5  |
| 62 | N-BUTYLBENZENE          |      | 35     |           | .5  |
| 63 | 1,2-DICHLOROBENZENE     |      | 35     |           | .5  |
| 64 | 1,2-DIBROMO-3-CHLOROPRO |      | 39     |           | .5  |
| 65 | 1,2,4-TRICHLOROBENZENE  |      | 35     |           | .5  |
| 66 | HEXACHLOROBUTADIENE     |      | 32     |           | .5  |
| 67 | NAPHTHALENE             |      | 37     |           | .5  |
| 68 | 1,2,3-TRICHLOROBENZENE  |      | 34     |           | .5  |
| 69 | ETHANOL                 |      | < MDL  |           | 30  |

User: Huhn, William  
 Westchester Dept. of Labs & Research  
 Date: 12/17/2001 Time: 08:43:30

Sample: AD29463  
 Analysis: \$Q\_524 Volatile Organic Compounds-Reference Rec  
 Units: ug  
 Started: 12/17/01 08:43 Ended: 12/17/01 08:43 Analyst: BH  
 Result source: calculation  
 Page: 1

|    | Component Name             | Vol | Result | Qualifier | MDL |
|----|----------------------------|-----|--------|-----------|-----|
| 1  | Surr - 1,2-DICHLOROETHANE- |     | 5.1 ✓  |           | .5  |
| 2  | Surr - 4-BROMOFLUOROBENZ   |     | 5.3 ✓  |           | .5  |
| 3  | Dichlorodifluoromethane    |     | 85     |           | .5  |
| 4  | Chloromethane              |     | 112.5  |           | .5  |
| 5  | Vinyl chloride             |     | 77.5   |           | .5  |
| 6  | Bromomethane               |     | 127.5  |           | .5  |
| 7  | Chloroethane               |     | 130    |           | .5  |
| 8  | Trichlorofluoromethane     |     | 115    |           | .5  |
| 9  | 1,1-Dichloroethene         |     | 85     |           | .5  |
| 10 | Methylene Chloride         |     | 97.5   |           | .5  |
| 11 | Methyl tert butyl ether    |     | 82.5   |           | 1.0 |
| 12 | trans-1,2-dichloroethene   |     | 87.5   |           | .5  |
| 13 | 1,1-dichloroethane         |     | 90     |           | .5  |
| 14 | 2-butanone (MEK)           |     | 97.5   |           | 2.0 |
| 15 | 2,2-dichloropropane        |     | 85     |           | .5  |
| 16 | cis-1,2-dichloroethene     |     | 95     |           | .5  |
| 17 | Chloroform                 |     | 95     |           | .5  |
| 18 | Bromochloromethane         |     | 102.5  |           | .5  |
| 19 | 1,2-dichloroethane         |     | 90     |           | .5  |
| 20 | Surr - TOLUENE-D8          |     | 5.2 ✓  |           | .5  |
| 21 | 1,1,1-trichloroethane      |     | 85     |           | .5  |
| 22 | 1,1-dichloropropene        |     | 85     |           | .5  |
| 23 | Carbon tetrachloride       |     | 85     |           | .5  |
| 24 | Benzene                    |     | 85     |           | .5  |
| 25 | Trichloroethene            |     | 85     |           | .5  |
| 26 | 1,2-dichloropropane        |     | 87.5   |           | .5  |
| 27 | Dibromomethane             |     | 100    |           | .5  |
| 28 | Bromodichloromethane       |     | 92.5   |           | .5  |
| 29 | Methyl iso-butyl ketone    |     | 90     |           | 1.0 |
| 30 | cis-1,3-dichloropropene    |     | 92.5   |           | .5  |
| 31 | Toluene                    |     | 85     |           | .5  |
| 32 | trans-1,3-dichloropropene  |     | 90     |           | .5  |
| 33 | 1,1,2-trichloroethane      |     | 92.5   |           | .5  |
| 34 | Tetrachloroethene          |     | 82.5   |           | .5  |
| 35 | 1,3-dichloropropane        |     | 95     |           | .5  |
| 36 | Dibromochloromethane       |     | 95     |           | 2.0 |
| 37 | Chlorobenzene              |     | 85     |           | .5  |
| 38 | 1,1,1,2-tetrachloroethane  |     | 85     |           | .5  |
| 39 | Ethylbenzene               |     | 85     |           | .5  |
| 40 | P & M-xylene               |     | 82.5   |           | .5  |
| 41 | O-xylene                   |     | 87.5   |           | .5  |
| 42 | Styrene                    |     | 87.5   |           | .5  |
| 43 | 1,1,2,2-tetrachloroethane  |     | 100    |           | .5  |
| 44 | Bromoform                  |     | 102.5  |           | 2.0 |
| 45 | Isopropylbenzene           |     | 82.5   |           | .5  |
| 46 | 1,2,3-trichloropropane     |     | 92.5   |           | .5  |
| 47 | N-propylbenzene            |     | 85     |           | .5  |
| 48 | Bromobenzene               |     | 85     |           | .5  |

User: Huhn, William  
Westchester Dept. of Labs & Research  
Date: 12/17/2001 Time: 08:43:30

Sample: AD29463  
Analysis: \$Q\_524 Volatile Organic Compounds-Reference Rec  
Units: ug  
Started: 12/17/01 08:43 Ended: 12/17/01 08:43 Analyst: BH  
Result source: calculation  
Page: 2

|    | Component Name         | Viol | Result | Qualifier | MDL |
|----|------------------------|------|--------|-----------|-----|
| 49 | 1,3,5-trimethylbenzene |      | 82.5   |           | .5  |
| 50 | 2-chlorotoluene        |      | 80     |           | .5  |
| 51 | 4-chlorotoluene        |      | 87.5   |           | .5  |
| 52 | TERT-butylbenzene      |      | 80     |           | .5  |
| 53 | 1,2,4-trimethylbenzene |      | 85     |           | .5  |
| 54 | SEC-butylbenzene       |      | 82.5   |           | .5  |
| 55 | P-isopropyltoluene     |      | 80     |           | .5  |
| 56 | 1,3-dichlorobenzene    |      | 85     |           | .5  |
| 57 | 1,4-dichlorobenzene    |      | 85     |           | .5  |
| 58 | N-butylbenzene         |      | 87.5   |           | .5  |
| 59 | 1,2-dichlorobenzene    |      | 87.5   |           | .5  |
| 60 | 1,2,4-trichlorobenzene |      | 87.5   |           | .5  |
| 61 | Hexachlorobutadiene    |      | 80     |           | .5  |
| 62 | Naphthalene            |      | 92.5   |           | .5  |
| 63 | 1,2,3-trichlorobenzene |      | 85     |           | .5  |

## Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\01dec13\1213R40.D  
 Acq On : 13 Dec 2001 10:25 am  
 Sample : ref 10  
 Misc :  
 MS Integration Params: LSCINT.P  
 Quant Time: Dec 13 11:03 2001

Vial: 9  
 Operator: 206-BH  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Results File: HP121001.RES

Quant Method : C:\HPCHEM\1\METHODS\HP121001.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Last Update : Wed Dec 12 08:39:59 2001  
 Response via : Initial Calibration  
 DataAcq Meth : HP121001

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-DIFLUOROBENZENE     | 14.44 | 114  | 1258851  | 5.00 | ug/L  | 0.09     |
| 22) CHLOROBENZENE-D5       | 21.01 | 117  | 1251719  | 5.00 | ug/L  | 0.05     |
| 50) 1,4-DICHLOROBENZENE-D4 | 26.18 | 152  | 720561   | 5.00 | ug/L  | 0.07     |

## System Monitoring Compounds

|                          |       |     |          |      |         |      |
|--------------------------|-------|-----|----------|------|---------|------|
| 2) 1,2-DICHLOROETHANE-D4 | 13.64 | 65  | 422392   | 5.09 | ug/L    | 0.05 |
| Spiked Amount            | 5.000 |     | Recovery | =    | 101.80% |      |
| 3) 4-BROMOFLUOROBENZENE  | 23.59 | 174 | 510073   | 5.28 | ug/L    | 0.05 |
| Spiked Amount            | 5.000 |     | Recovery | =    | 105.60% |      |
| 23) TOLUENE-D8           | 17.74 | 98  | 1732608  | 5.22 | ug/L    | 0.07 |
| Spiked Amount            | 5.000 |     | Recovery | =    | 104.40% |      |

## Target Compounds

|                               |       |     |         |       |      | Qvalue |
|-------------------------------|-------|-----|---------|-------|------|--------|
| 4) DICHLORODIFLUOROMETHANE    | 4.48  | 85  | 1399192 | 34.06 | ug/L | 100    |
| 5) CHLOROMETHANE              | 4.97  | 50  | 1149789 | 45.01 | ug/L | 96     |
| 6) VINYL CHLORIDE             | 5.12  | 62  | 774928  | 30.50 | ug/L | 96     |
| 7) BROMOMETHANE               | 6.06  | 94  | 1130387 | 50.88 | ug/L | 97     |
| 8) CHLOROETHANE               | 6.19  | 64  | 900941  | 51.73 | ug/L | 97     |
| 9) TRICHLOROFLUOROMETHANE     | 6.75  | 101 | 2519614 | 45.70 | ug/L | 100    |
| 10) ACETONE                   | 7.65  | 43  | 322647  | 38.21 | ug/L | 97     |
| 11) 1,1-DICHLOROETHENE        | 8.01  | 61  | 2452953 | 34.29 | ug/L | 91     |
| 12) METHYLENE CHLORIDE        | 8.99  | 49  | 2680079 | 38.64 | ug/L | 88     |
| 13) METHYL TERT BUTYL ETHER   | 9.28  | 73  | 2977936 | 32.54 | ug/L | 99     |
| 14) TRANS-1,2-DICHLOROETHENE  | 9.63  | 61  | 2707441 | 34.89 | ug/L | 87     |
| 15) 1,1-DICHLOROETHANE        | 10.50 | 63  | 3449811 | 35.65 | ug/L | 99     |
| 16) 2-BUTANONE (MEK)          | 11.32 | 43  | 584473  | 39.18 | ug/L | 92     |
| 17) 2,2-DICHLOROPROPANE       | 11.71 | 77  | 2736045 | 34.31 | ug/L | 98     |
| 18) CIS-1,2-DICHLOROETHENE    | 11.80 | 96  | 2044530 | 37.70 | ug/L | 87     |
| 19) CHLOROFORM                | 12.14 | 83  | 3507849 | 37.98 | ug/L | 99     |
| 20) BROMOCHLOROMETHANE        | 12.51 | 49  | 1778115 | 40.58 | ug/L | 82     |
| 21) 1,2-DICHLOROETHANE        | 13.84 | 62  | 2262124 | 36.40 | ug/L | 99     |
| 24) 1,1,1-TRICHLOROETHANE     | 13.02 | 97  | 2616568 | 34.03 | ug/L | 97     |
| 25) 1,1-DICHLOROPROPENE       | 13.35 | 75  | 2566105 | 33.82 | ug/L | 97     |
| 26) CARBON TETRACHLORIDE      | 13.60 | 117 | 2235892 | 34.19 | ug/L | 100    |
| 27) BENZENE                   | 13.96 | 78  | 7477695 | 33.91 | ug/L | 97     |
| 28) TRICHLOROETHENE           | 15.21 | 95  | 1980125 | 33.51 | ug/L | 99     |
| 29) 1,2-DICHLOROPROPANE       | 15.56 | 63  | 2167495 | 35.28 | ug/L | 100    |
| 30) DIBROMOMETHANE            | 16.21 | 174 | 871903  | 39.87 | ug/L | 86     |
| 31) BROMODICHLOROMETHANE      | 16.06 | 83  | 2632337 | 37.19 | ug/L | 99     |
| 32) 2-CHLOROETHYL VINYL ETHER | 16.57 | 63  | 797470  | 34.95 | ug/L | 93     |
| 33) Methyl iso-butyl ketone   | 16.64 | 58  | 427919  | 36.47 | ug/L | 90     |

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

1213R40.D HP121001.M Thu Dec 13 11:04:03 2001

Page 1

## Quantitation Report

(Not Reviewed)

Data File : C:\HPCHEM\1\DATA\01dec13\1213R40.D

Acq On : 13 Dec 2001 10:25 am

Sample : ref 10

Misc :

MS Integration Params: LSCINT.P

Quant Time: Dec 13 11:03 2001

Vial: 9

Operator: 206-BH

Inst : GC/MS Ins

Multiplr: 1.00

Quant Results File: HP121001.RES

Quant Method : C:\HPCHEM\1\METHODS\HP121001.M (RTE Integrator)

Title : VOCs BY EPA METHOD 524

Last Update : Wed Dec 12 08:39:59 2001

Response via : Initial Calibration

DataAcq Meth : HP121001

| Compound                       | R.T.  | QIon | Response | Conc   | Unit | Qvalue |
|--------------------------------|-------|------|----------|--------|------|--------|
| 34) CIS-1,3-DICHLOROPROPENE    | 17.16 | 75   | 3248341  | 36.65  | ug/L | 98     |
| 35) TOLUENE                    | 17.91 | 91   | 8346034  | 33.53  | ug/L | 100    |
| 36) TRANS-1,3-DICHLOROPROPENE  | 18.19 | 75   | 2494821  | 36.24  | ug/L | 99     |
| 37) 1,1,2-TRICHLOROETHANE      | 18.58 | 97   | 1275188  | 37.40  | ug/L | 99     |
| 38) TETRACHLOROETHENE          | 19.35 | 166  | 1934885  | 32.97  | ug/L | 98     |
| 39) 1,3-DICHLOROPROPANE        | 19.09 | 76   | 2531979  | 38.45  | ug/L | 100    |
| 40) DIBROMOCHLOROMETHANE       | 19.77 | 129  | 1583456  | 38.22  | ug/L | 99     |
| 41) 1,2-DIBROMOETHANE          | 20.21 | 107  | 1240623  | 38.23  | ug/L | 100    |
| 42) CHLOROBENZENE              | 21.10 | 112  | 5656108  | 34.17  | ug/L | 96     |
| 43) 1,1,1,2-TETRACHLOROETHANE  | 21.15 | 131  | 1837165  | 34.04  | ug/L | 98     |
| 44) 2-HEXANONE                 | 18.48 | 43   | 846608   | 43.20  | ug/L | 97     |
| 45) ETHYLBENZENE               | 21.15 | 91   | 10368922 | 33.83  | ug/L | 98     |
| 46) P & M-XYLENE               | 21.30 | 106  | 7657787  | 66.49  | ug/L | 99     |
| 47) O-XYLENE                   | 22.28 | 91   | 8508786  | 34.83  | ug/L | 99     |
| 48) STYRENE                    | 22.33 | 104  | 6623942  | 34.86  | ug/L | 97     |
| 49) 1,1,2,2-TETRACHLOROETHANE  | 23.35 | 83   | 1455162  | 39.90  | ug/L | 100    |
| 51) BROMOFORM                  | 23.16 | 173  | 894855   | 41.08  | ug/L | 99     |
| 52) ISOPROPYLBENZENE           | 22.99 | 105  | 10234725 | 32.52  | ug/L | 99     |
| 53) 1,2,3-TRICHLOROPROPANE     | 23.67 | 110  | 427807   | 37.28  | ug/L | 95     |
| 54) N-PROPYLBENZENE            | 23.86 | 91   | 13900791 | 34.07  | ug/L | 99     |
| 55) BROMOBENZENE               | 24.10 | 156  | 2259081  | 33.69  | ug/L | 88     |
| 56) 1,3,5-TRIMETHYLBENZENE     | 24.18 | 105  | 8976993  | 33.03  | ug/L | 98     |
| 57) 2-CHLOROTOLUENE            | 24.34 | 91   | 8369937  | 32.34  | ug/L | 98     |
| 58) 4-CHLOROTOLUENE            | 24.41 | 91   | 8214263  | 35.45  | ug/L | 98     |
| 59) TERT-BUTYLBENZENE          | 24.97 | 134  | 1857537  | 31.99  | ug/L | 97     |
| 60) 1,2,4-TRIMETHYLBENZENE     | 25.07 | 105  | 9541699  | 33.82  | ug/L | 99     |
| 61) SEC-BUTYLBENZENE           | 25.43 | 105  | 12626065 | 33.36  | ug/L | 98     |
| 62) P-ISOPROPYLTOLUENE         | 25.68 | 119  | 9698859  | 31.91  | ug/L | 98     |
| 63) 1,3-DICHLOROBENZENE        | 26.02 | 146  | 4934943  | 34.06  | ug/L | 98     |
| 64) 1,4-DICHLOROBENZENE        | 26.25 | 146  | 4991535  | 34.44  | ug/L | 98     |
| 65) N-BUTYLBENZENE             | 26.57 | 91   | 10159339 | 34.94  | ug/L | 98     |
| 66) 1,2-DICHLOROBENZENE        | 27.08 | 146  | 4176131  | 34.92  | ug/L | 98     |
| 67) 1,2-DIBROMO-3-CHLOROPROPAN | 28.73 | 157  | 235532   | 38.52  | ug/L | 97     |
| 68) NITROBENZENE               | 28.92 | 77   | 1818591  | 721.69 | ug/L | 95     |
| 69) 1,2,4-TRICHLOROBENZENE     | 30.67 | 180  | 2344200  | 35.36  | ug/L | 99     |
| 70) HEXACHLOROBUTADIENE        | 30.91 | 225  | 1287266  | 31.96  | ug/L | 100    |
| 71) NAPHTHALENE                | 31.34 | 128  | 2700750  | 36.96  | ug/L | 98     |
| 72) 1,2,3-TRICHLOROBENZENE     | 31.90 | 180  | 1669319  | 34.31  | ug/L | 98     |

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

1213R40.D HP121001.M Thu Dec 13 11:04:05 2001

Page 2



User: Huhn, William  
 Westchester Dept. of Labs & Research  
 Date: 12/13/2001 Time: 15:39:27

Sample: AD29284  
 Analysis: \$D\_524 Volatile Organic Compounds-Duplicate  
 Units: ug  
 Started: 12/13/01 15:38 Ended: 12/13/01 15:38 Analyst: BH  
 Result source: manual entry  
 Page: 1

|    | Component Name                 | Viol | Result | Qualifier | MDL |
|----|--------------------------------|------|--------|-----------|-----|
| 1  | Surr - 1,2-DICHLOROETHANE-     |      | 5.4    |           | .5  |
| 2  | Surr - 4-BROMOFLUOROBENZ       |      | 3.8    |           | .5  |
| 3  | Dichlorodifluoromethane        |      | < MDL  |           | .5  |
| 4  | Chloromethane                  |      | < MDL  |           | .5  |
| 5  | Vinyl chloride                 |      | < MDL  |           | .5  |
| 6  | Bromomethane                   |      | < MDL  |           | .5  |
| 7  | Chloroethane                   |      | < MDL  |           | .5  |
| 8  | Trichlorofluoromethane         |      | < MDL  |           | .5  |
| 9  | 1,1-Dichloroethene             |      | < MDL  |           | .5  |
| 10 | Methylene Chloride             |      | < MDL  |           | .5  |
| 11 | Methyl tert-butyl ether (MTBE) |      | < MDL  |           | 1.0 |
| 12 | trans-1,2-dichloroethene       |      | < MDL  |           | .5  |
| 13 | 1,1-dichloroethane             |      | < MDL  |           | .5  |
| 14 | 2-butanone (MEK)               |      | < MDL  |           | 2.0 |
| 15 | 2,2-dichloropropane            |      | < MDL  |           | .5  |
| 16 | cis-1,2-dichloroethene         |      | < MDL  |           | .5  |
| 17 | *THM-Chloroform                |      | < MDL  |           | .5  |
| 18 | Bromochloromethane             |      | < MDL  |           | .5  |
| 19 | 1,2-dichloroethane             |      | < MDL  |           | .5  |
| 20 | Surr - TOLUENE-D8              |      | 5.5    |           | .5  |
| 21 | 1,1,1- trichloroethane         |      | < MDL  |           | .5  |
| 22 | 1,1-dichloropropene            |      | < MDL  |           | .5  |
| 23 | Carbon tetrachloride           |      | < MDL  |           | .5  |
| 24 | Benzene                        |      | < MDL  |           | .5  |
| 25 | Trichloroethene                |      | < MDL  |           | .5  |
| 26 | 1,2-dichloropropane            |      | < MDL  |           | .5  |
| 27 | Dibromomethane                 |      | < MDL  |           | .5  |
| 28 | *THM-Bromodichloromethane      |      | < MDL  |           | .5  |
| 29 | Methyl iso-butyl ketone (MIBK) |      | < MDL  |           | 1.0 |
| 30 | cis-1,3-dichloropropene        |      | < MDL  |           | .5  |
| 31 | Toluene                        |      | < MDL  |           | .5  |
| 32 | trans-1,3-dichloropropene      |      | < MDL  |           | .5  |
| 33 | 1,1,2-trichloroethane          |      | < MDL  |           | .5  |
| 34 | Tetrachloroethene              |      | < MDL  |           | .5  |
| 35 | 1,3-dichloropropane            |      | < MDL  |           | .5  |
| 36 | *THM-Dibromochloromethane      |      | < MDL  |           | 2.0 |
| 37 | Chlorobenzene                  |      | < MDL  |           | .5  |
| 38 | 1,1,1,2-tetrachloroethane      |      | < MDL  |           | .5  |
| 39 | Ethylbenzene                   |      | < MDL  |           | .5  |
| 40 | P & M-xylene                   |      | < MDL  |           | .5  |
| 41 | O-xylene                       |      | < MDL  |           | .5  |
| 42 | Styrene                        |      | < MDL  |           | .5  |
| 43 | 1,1,2,2-tetrachloroethane      |      | < MDL  |           | .5  |
| 44 | *THM-Bromoform                 |      | < MDL  |           | 2.0 |
| 45 | Isopropylbenzene               |      | < MDL  |           | .5  |
| 46 | 1,2,3-trichloropropane         |      | < MDL  |           | .5  |
| 47 | N-propylbenzene                |      | < MDL  |           | .5  |
| 48 | Bromobenzene                   |      | < MDL  |           | .5  |

User: Huhn, William  
Westchester Dept. of Labs & Research  
Date: 12/13/2001 Time: 15:39:27

Sample: AD29284  
Analysis: \$D\_524 Volatile Organic Compounds-Duplicate  
Units: ug  
Started: 12/13/01 15:38 Ended: 12/13/01 15:38 Analyst: BH  
Result source: manual entry  
Page: 2

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



User: Huhn, William  
 Westchester Dept. of Labs & Research  
 Date: 12/13/2001 Time: 15:39:39

Sample: AD29284  
 Analysis: \$P\_524 Duplicate calculation for 524  
 Units: ug  
 Started: 12/7/01 09:09 Ended: 12/7/01 09:09 Analyst: BH  
 Result source: calculation  
 Page: 1

|    | Component Name             | Viol | Result |
|----|----------------------------|------|--------|
| 1  | Surr - 1,2-DICHLOROETHANE- |      | 0.20   |
| 2  | Surr - 4-BROMOFLUOROBENZ   |      | 0.50   |
| 3  | DICHLORODIFLUOROMETHAN     |      | < MDL  |
| 4  | CHLOROMETHANE              |      | < MDL  |
| 5  | VINYL CHLORIDE             |      | < MDL  |
| 6  | BROMOMETHANE               |      | < MDL  |
| 7  | CHLOROETHANE               |      | < MDL  |
| 8  | TRICHLOROFLUOROMETHAN      |      | < MDL  |
| 9  | 1,1-DICHLOROETHENE         |      | < MDL  |
| 10 | METHYLENE CHLORIDE         |      | < MDL  |
| 11 | METHYL TERT-BUTYL ETHER    |      | < MDL  |
| 12 | TRANS-1,2-DICHLOROETHEN    |      | < MDL  |
| 13 | 1,1-DICHLOROETHANE         |      | < MDL  |
| 14 | 2-BUTANONE (MEK)           |      | < MDL  |
| 15 | 2,2-DICHLOROPROPANE        |      | < MDL  |
| 16 | CIS-1,2-DICHLOROETHENE     |      | < MDL  |
| 17 | *THM-CHLOROFORM            |      | < MDL  |
| 18 | BROMOCHLOROMETHANE         |      | < MDL  |
| 19 | 1,2-DICHLOROETHANE         |      | < MDL  |
| 20 | Surr - TOLUENE-D8          |      | 0.40   |
| 21 | 1,1,1- TRICHLOROETHANE     |      | < MDL  |
| 22 | 1,1-DICHLOROPROPENE        |      | < MDL  |
| 23 | CARBON TETRACHLORIDE       |      | < MDL  |
| 24 | BENZENE                    |      | < MDL  |
| 25 | TRICHLOROETHENE            |      | < MDL  |
| 26 | 1,2-DICHLOROPROPANE        |      | < MDL  |
| 27 | DIBROMOMETHANE             |      | < MDL  |
| 28 | *THM-BROMODICHLOROMET      |      | < MDL  |
| 29 | METHYL ISO-BUTYL KETONE    |      | < MDL  |
| 30 | CIS-1,3-DICHLOROPROPENE    |      | < MDL  |
| 31 | TOLUENE                    |      | < MDL  |
| 32 | TRANS-1,3-DICHLOROPROPE    |      | < MDL  |
| 33 | 1,1,2-TRICHLOROETHANE      |      | < MDL  |
| 34 | TETRACHLOROETHENE          |      | < MDL  |
| 35 | 1,3-DICHLOROPROPANE        |      | < MDL  |
| 36 | *THM-DIBROMOCHLOROMET      |      | < MDL  |
| 37 | 1,2-DIBROMOETHANE          |      | < MDL  |
| 38 | CHLOROBENZENE              |      | < MDL  |
| 39 | 1,1,1,2-TETRACHLOROETHA    |      | < MDL  |
| 40 | 2-HEXANONE                 |      | < MDL  |
| 41 | ETHYLBENZENE               |      | < MDL  |
| 42 | P & M-XYLENE               |      | < MDL  |
| 43 | O-XYLENE                   |      | < MDL  |
| 44 | STYRENE                    |      | < MDL  |
| 45 | 1,1,2,2-TETRACHLOROETHA    |      | < MDL  |
| 46 | *THM-BROMOFORM             |      | < MDL  |
| 47 | ISOPROPYLBENZENE           |      | < MDL  |
| 48 | 1,2,3-TRICHLOROPROPANE     |      | < MDL  |

User: Huhn, William  
Westchester Dept. of Labs & Research  
Date: 12/13/2001 Time: 15:39:39

Sample: AD29284

Analysis: \$P\_524 Duplicate calculation for 524

Units: ug

Started: 12/7/01 09:09 Ended: 12/7/01 09:09 Analyst: BH

Result source: calculation

Page: 2

|    | Component Name          | Viol | Result |
|----|-------------------------|------|--------|
| 49 | N-PROPYLBENZENE         |      | < MDL  |
| 50 | BROMOBENZENE            |      | < MDL  |
| 51 | 1,3,5-TRIMETHYLBENZENE  |      | < MDL  |
| 52 | 2-CHLOROTOLUENE         |      | < MDL  |
| 53 | 4-CHLOROTOLUENE         |      | < MDL  |
| 54 | TERT-BUTYLBENZENE       |      | < MDL  |
| 55 | 1,2,4-TRIMETHYLBENZENE  |      | < MDL  |
| 56 | SEC-BUTYLBENZENE        |      | < MDL  |
| 57 | P-ISOPROPYLTOLUENE      |      | < MDL  |
| 58 | 1,3-DICHLOROBENZENE     |      | < MDL  |
| 59 | 1,4-DICHLOROBENZENE     |      | < MDL  |
| 60 | N-BUTYLBENZENE          |      | < MDL  |
| 61 | 1,2-DICHLOROBENZENE     |      | < MDL  |
| 62 | 1,2-DIBROMO-3-CHLOROPRO |      | < MDL  |
| 63 | 1,2,4-TRICHLOROBENZENE  |      | < MDL  |
| 64 | HEXACHLOROBUTADIENE     |      | < MDL  |
| 65 | NAPHTHALENE             |      | < MDL  |
| 66 | 1,2,3-TRICHLOROBENZENE  |      | < MDL  |

Quantitation Report

(Not Reviewed)

Data File : C:\HPCHEM\1\DATA\01dec13\29284D.D  
 Acq On : 13 Dec 2001 2:56 pm  
 Sample : dup  
 Misc :  
 MS Integration Params: LSCINT.P  
 Quant Time: Dec 13 15:34 2001

Vial: 7  
 Operator: 206-BH  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Results File: HP121001.RES

Quant Method : C:\HPCHEM\1\METHODS\HP121001.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Last Update : Wed Dec 12 08:39:59 2001  
 Response via : Initial Calibration  
 DataAcq Meth : HP121001

| Internal Standards          | R.T.  | QIon | Response | Conc | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|------|---------|-----------|
| 1) 1,4-DIFLUOROBENZENE      | 14.46 | 114  | 835834   | 5.00 | ug/L    | 0.10      |
| 22) CHLOROBENZENE-D5        | 21.05 | 117  | 794169   | 5.00 | ug/L    | 0.09      |
| 50) 1,4-DICHLOROBENZENE-D4  | 26.19 | 152  | 336499   | 5.00 | ug/L    | 0.09      |
| System Monitoring Compounds |       |      |          |      |         |           |
| 2) 1,2-DICHLOROETHANE-D4    | 13.67 | 65   | 298363   | 5.42 | ug/L    | 0.09      |
| Spiked Amount 5.000         |       |      | Recovery | =    | 108.40% |           |
| 3) 4-BROMOFLUOROBENZENE     | 23.62 | 174  | 246815   | 3.85 | ug/L    | 0.09      |
| Spiked Amount 5.000         |       |      | Recovery | =    | 77.00%  |           |
| 23) TOLUENE-D8              | 17.76 | 98   | 1150142  | 5.46 | ug/L    | 0.09      |
| Spiked Amount 5.000         |       |      | Recovery | =    | 109.20% |           |
| Target Compounds            |       |      |          |      |         |           |
| 10) ACETONE                 | 7.69  | 43   | 50721    | 9.05 | ug/L    | Qvalue 93 |
| 16) 2-BUTANONE (MEK)        | 11.39 | 43   | 6502     | 0.66 | ug/L    | 64        |

(#) = qualifier out of range (m) = manual integration  
 29284D.D HP121001.M Thu Dec 13 15:35:05 2001

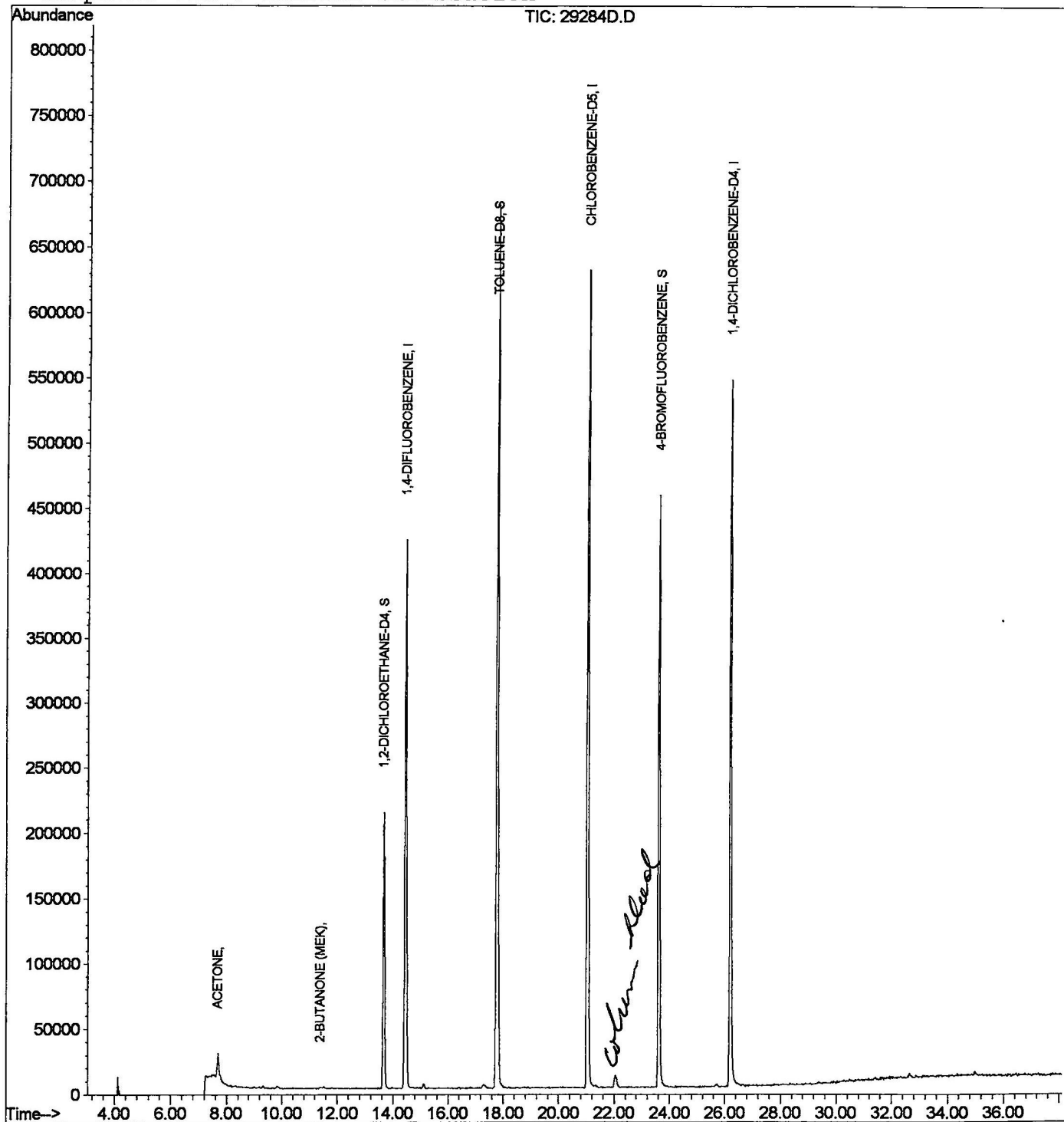
## Quantitation Report

Data File : C:\HPCHEM\1\DATA\01dec13\29284D.D  
Acq On : 13 Dec 2001 2:56 pm  
Sample : dup  
Misc :  
MS Integration Params: LSCINT.P  
Quant Time: Dec 13 15:34 2001

Vial: 7  
Operator: 206-BH  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Results File: HP121001.RES

Method : C:\HPCHEM\1\METHODS\HP121001.M (RTE Integrator)  
Title : VOCs BY EPA METHOD 524  
Last Update : Wed Dec 12 08:39:32 2001  
Response via : Initial Calibration



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\01dec13\29284D.D  
 Acq On : 13 Dec 2001 2:56 pm  
 Sample : dup  
 Misc :  
 MS Integration Params: LSCINT.P

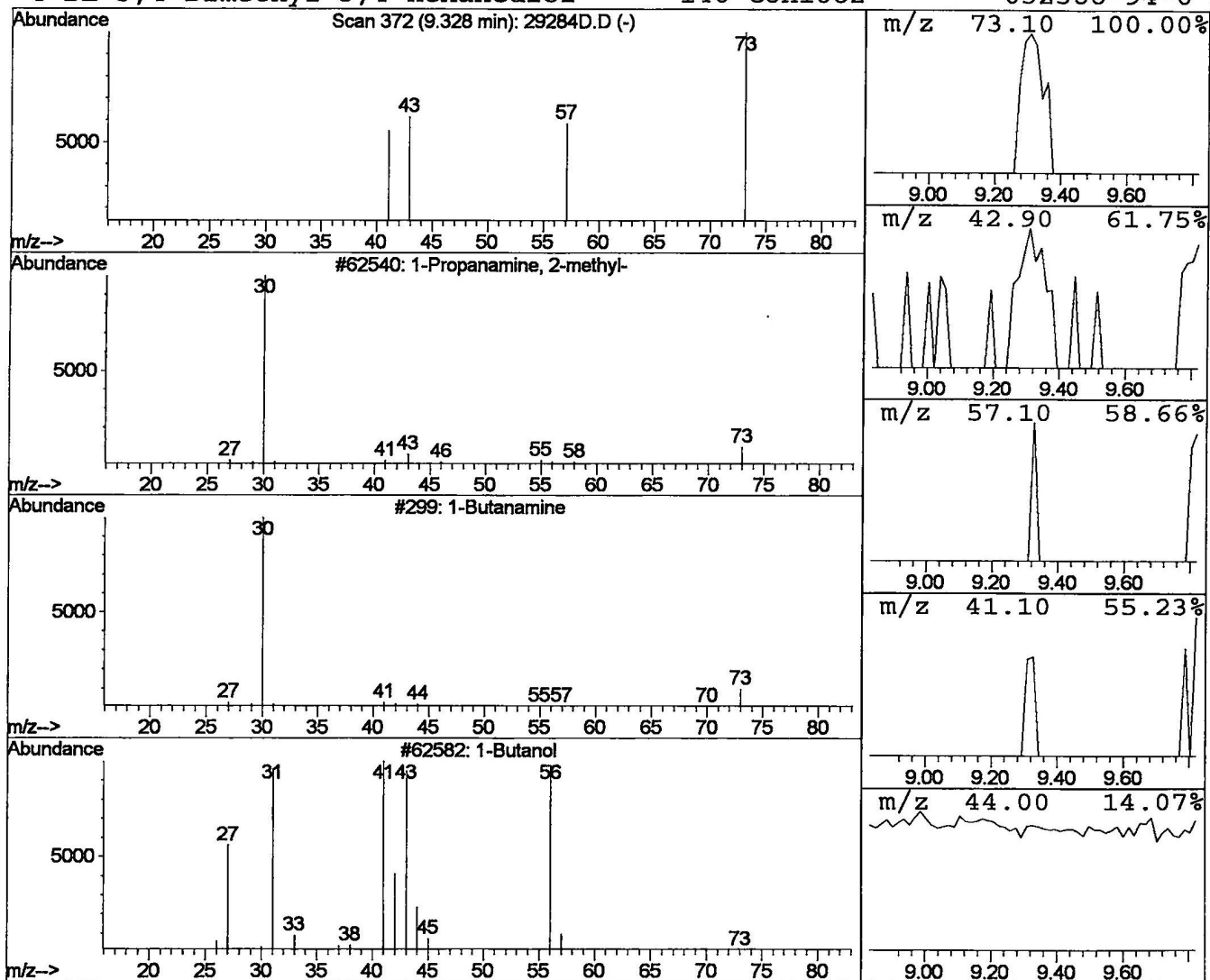
Vial: 7  
 Operator: 206-BH  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP121001.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 2 1-Propanamine, 2-methyl- Concentration Rank 7

| R.T. | EstConc   | Area | Relative to ISTD    | R.T.  |
|------|-----------|------|---------------------|-------|
| 9.33 | 0.02 ug/L | 7671 | 1,4-DIFLUOROBENZENE | 14.46 |

| Hit# | of | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------|-----|---------|-------------|------|
| 1    | 5  | 1-Propanamine, 2-methyl-       | 73  | C4H11N  | 000078-81-9 | 4    |
| 2    |    | 1-Butanamine                   | 73  | C4H11N  | 000109-73-9 | 3    |
| 3    |    | 1-Butanol                      | 74  | C4H10O  | 000071-36-3 | 2    |
| 4    |    | DL-3,4-Dimethyl-3,4-hexanediol | 146 | C8H18O2 | 032388-94-6 | 2    |



## Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\01dec13\29284D.D  
Acq On : 13 Dec 2001 2:56 pm  
Sample : dup  
Misc :  
MS Integration Params: LSCINT.P

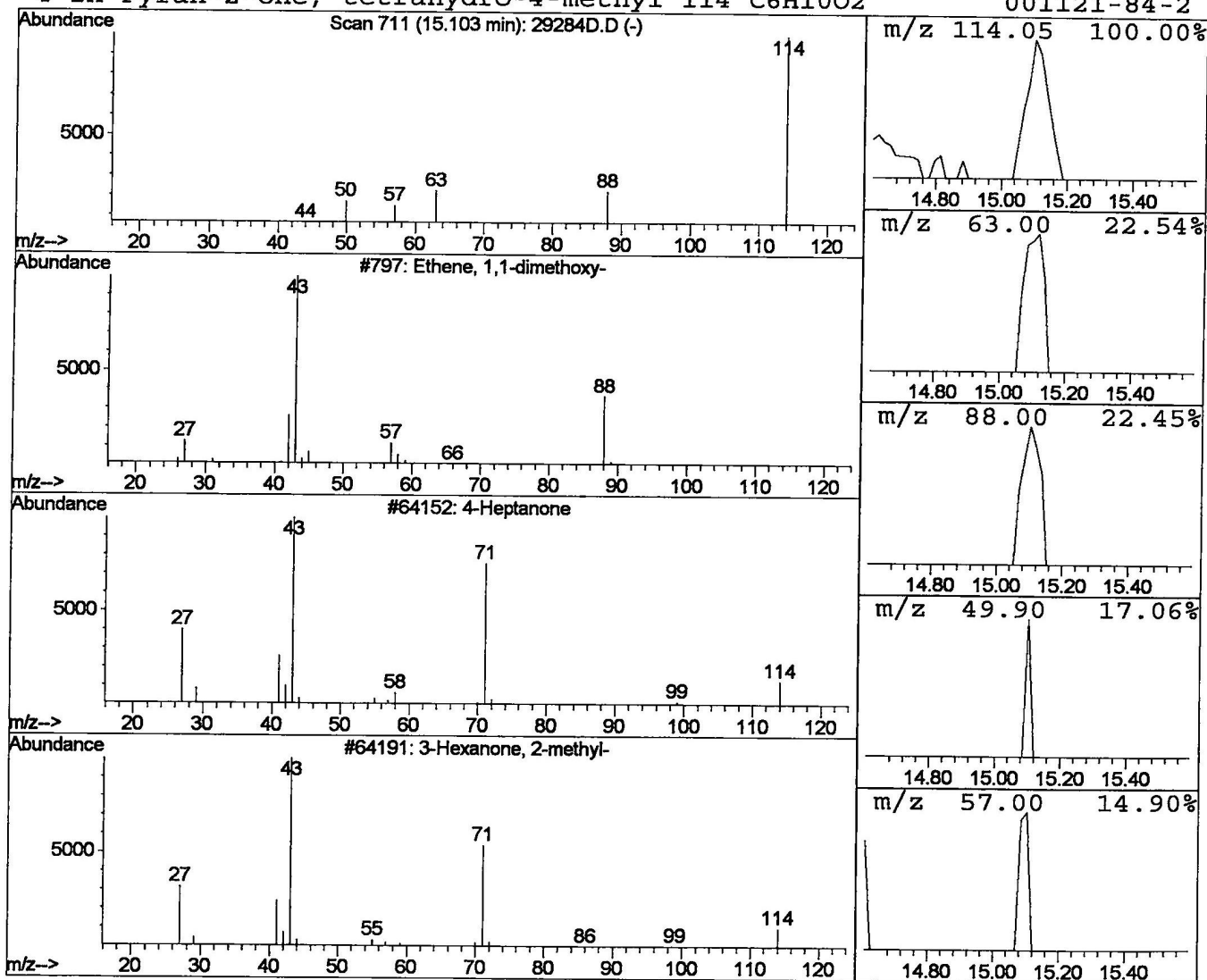
Vial: 7  
Operator: 206-BH  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP121001.M (RTE Integrator)  
Title : VOCs BY EPA METHOD 524  
Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
Peak Number 5 Ethene, 1,1-dimethoxy- Concentration Rank 3

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 15.10 | 0.05 ug/L | 21943 | 1,4-DIFLUOROBENZENE | 14.46 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Ethene, 1,1-dimethoxy-              | 88  | C4H8O2  | 000922-69-0 | 3    |
| 2    |    | 4-Heptanone                         | 114 | C7H14O  | 000123-19-3 | 3    |
| 3    |    | 3-Hexanone, 2-methyl-               | 114 | C7H14O  | 007379-12-6 | 3    |
| 4    |    | 2H-Pyran-2-one, tetrahydro-4-methyl | 114 | C6H10O2 | 001121-84-2 | 3    |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\01dec13\29284D.D  
 Acq On : 13 Dec 2001 2:56 pm  
 Sample : dup  
 Misc :  
 MS Integration Params: LSCINT.P

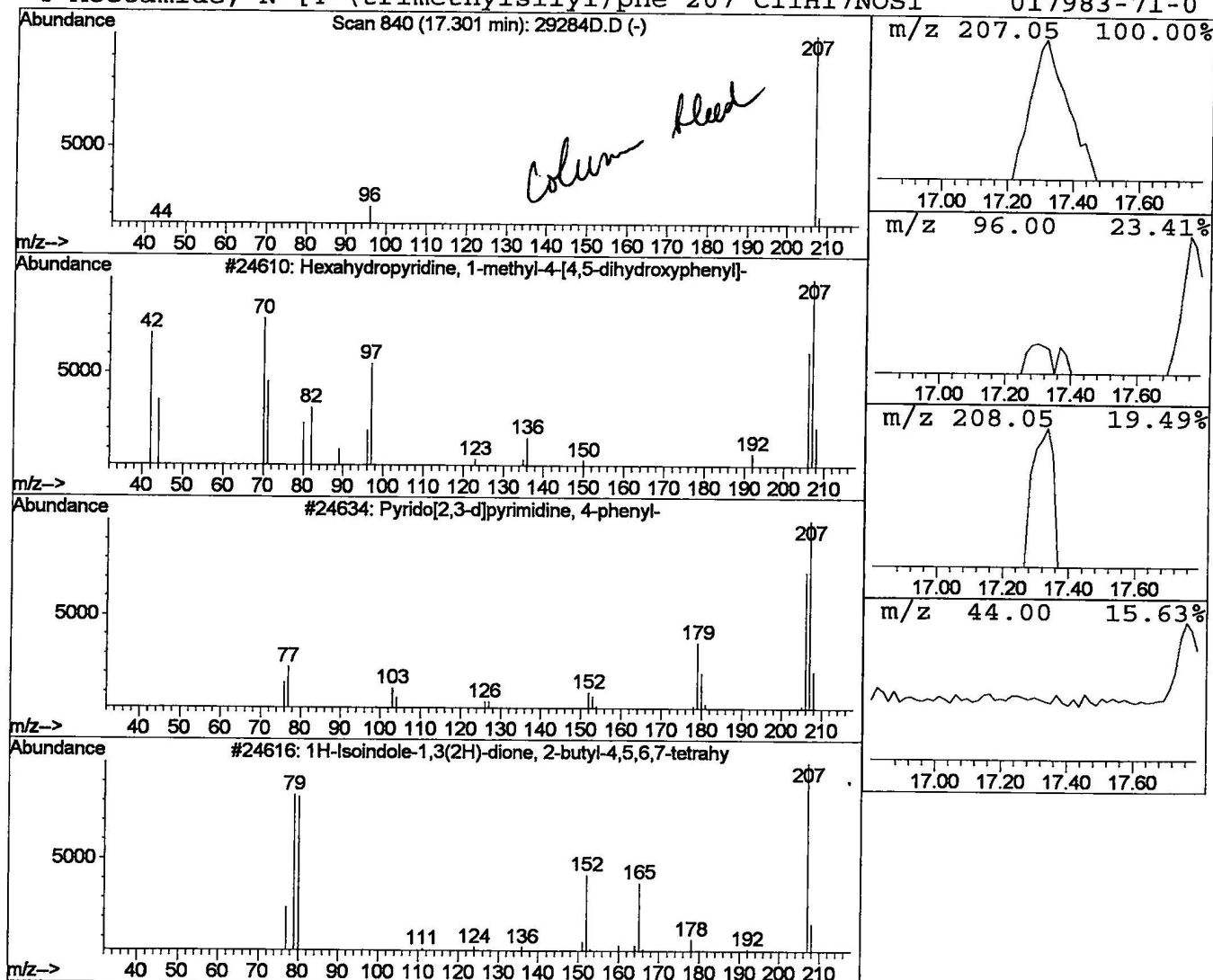
Vial: 7  
 Operator: 206-BH  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP121001.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 6 Hexahydropyridine, 1-methyl-4- Concentration Rank 4

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 17.30 | 0.04 ug/L | 15829 | 1,4-DIFLUOROBENZENE | 14.46 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|---------|---|-------------------------------------|-----|------------|-------------|------|
| 1       |   | Hexahydropyridine, 1-methyl-4-[4,5- | 207 | C12H17NO2  | 000000-00-0 | 9    |
| 2       |   | Pyrido[2,3-d]pyrimidine, 4-phenyl-  | 207 | C13H9N3    | 028732-75-4 | 5    |
| 3       |   | 1H-Isoindole-1,3(2H)-dione, 2-butyl | 207 | C12H17NO2  | 054934-85-9 | 5    |
| 4       |   | Acetamide, N-[4-(trimethylsilyl)phe | 207 | C11H17NOSi | 017983-71-0 | 5    |



## Library Search Compound Report

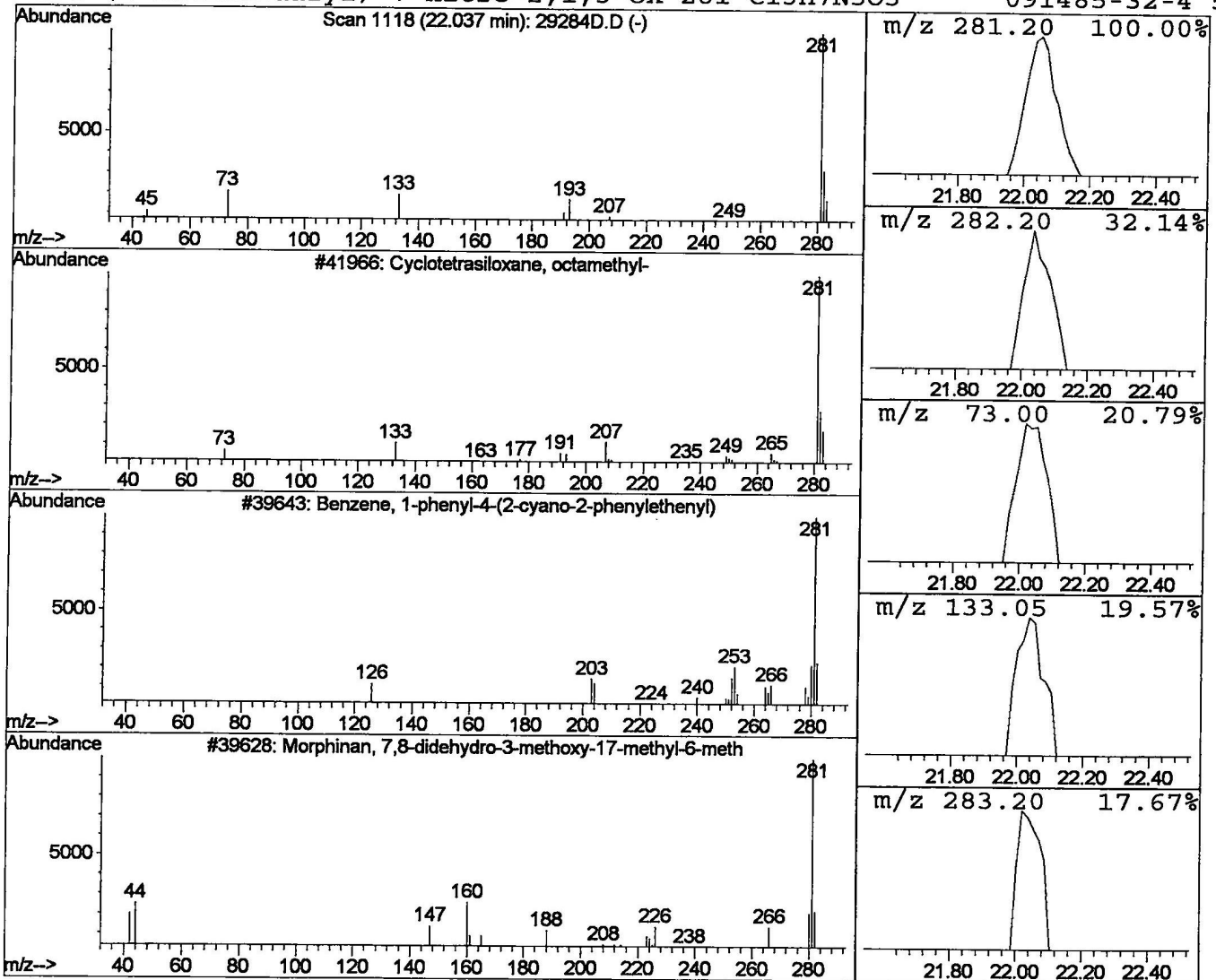
Data File : C:\HPCHEM\1\DATA\01dec13\29284D.D  
Acq On : 13 Dec 2001 2:56 pm  
Sample : dup  
Misc :  
MS Integration Params: LSCINT.P

Vial: 7  
Operator: 206-BH  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP121001.M (RTE Integrator)  
Title : VOCs BY EPA METHOD 524  
Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
Peak Number 7 Cyclotetrasiloxane, octamethyl Concentration Rank 2

| R.T.  | EstConc   | Area  | Relative to ISTD                      | R.T.  |            |             |      |
|-------|-----------|-------|---------------------------------------|-------|------------|-------------|------|
| 22.04 | 0.11 ug/L | 60520 | CHLOROBENZENE-D5                      | 21.05 |            |             |      |
| Hit#  | of        | 5     | Tentative ID                          | MW    | MolForm    | CAS#        | Qual |
| 1     |           |       | Cyclotetrasiloxane, octamethyl-       | 296   | C8H24O4Si4 | 000556-67-2 | 50   |
| 2     |           |       | Benzene, 1-phenyl-4-(2-cyano-2-phen   | 281   | C21H15N    | 027869-56-3 | 5    |
| 3     |           |       | Morphinan, 7,8-didehydro-3-methoxy-   | 281   | C19H23NO   | 001816-06-4 | 5    |
| 4     |           |       | 4-(1-Benzimidazolyl)-7-nitro-2,1,3-ox | 281   | C13H7N5O3  | 091485-32-4 | 5    |





User: Huhn, William  
 Westchester Dept. of Labs & Research  
 Date: 12/17/2001 Time: 08:46:53

Sample: AD29463  
 Analysis: \$524 Volatile Organic Compounds  
 Units: ug  
 Started: 12/13/01 00:04 Ended: 12/13/01 00:04 Analyst: BH  
 Result source: a:\29463.rr  
 Page: 1

|    | Component Name                 | Vol | Result | Qualifier | MDL |
|----|--------------------------------|-----|--------|-----------|-----|
| 1  | Surr - 1,2-DICHLOROETHANE-     |     | 6.1    |           | 0.5 |
| 2  | Surr - 4-BROMOFLUOROBENZ       |     | 4.2    |           | 0.5 |
| 3  | Dichlorodifluoromethane        |     | < MDL  |           | 0.5 |
| 4  | Chloromethane                  |     | < MDL  |           | 0.5 |
| 5  | Vinyl chloride                 |     | < MDL  |           | 0.5 |
| 6  | Bromomethane                   |     | < MDL  |           | 0.5 |
| 7  | Chloroethane                   |     | < MDL  |           | 0.5 |
| 8  | Trichlorofluoromethane         |     | < MDL  |           | 0.5 |
| 9  | 1,1-Dichloroethene             |     | < MDL  |           | 0.5 |
| 10 | Methylene Chloride             |     | < MDL  |           | 0.5 |
| 11 | Methyl tert-butyl ether (MTBE) |     | < MDL  |           | 1.0 |
| 12 | trans-1,2-dichloroethene       |     | < MDL  |           | 0.5 |
| 13 | 1,1-dichloroethane             |     | < MDL  |           | 0.5 |
| 14 | 2-butanone (MEK)               |     | < MDL  |           | 2.0 |
| 15 | 2,2-dichloropropane            |     | < MDL  |           | 0.5 |
| 16 | cis-1,2-dichloroethene         |     | < MDL  |           | 0.5 |
| 17 | *THM-Chloroform                |     | < MDL  |           | 0.5 |
| 18 | Bromochloromethane             |     | < MDL  |           | 0.5 |
| 19 | 1,2-dichloroethane             |     | < MDL  |           | 0.5 |
| 20 | Surr - TOLUENE-D8              |     | 5.5    |           | 0.5 |
| 21 | 1,1,1- trichloroethane         |     | < MDL  |           | 0.5 |
| 22 | 1,1-dichloropropene            |     | < MDL  |           | 0.5 |
| 23 | Carbon tetrachloride           |     | < MDL  |           | 0.5 |
| 24 | Benzene                        |     | < MDL  |           | 0.5 |
| 25 | Trichloroethene                |     | < MDL  |           | 0.5 |
| 26 | 1,2-dichloropropane            |     | < MDL  |           | 0.5 |
| 27 | Dibromomethane                 |     | < MDL  |           | 0.5 |
| 28 | *THM-Bromodichloromethane      |     | < MDL  |           | 0.5 |
| 29 | Methyl iso-butyl ketone (MIBK) |     | < MDL  |           | 1.0 |
| 30 | cis-1,3-dichloropropene        |     | < MDL  |           | 0.5 |
| 31 | Toluene                        |     | < MDL  |           | 0.5 |
| 32 | trans-1,3-dichloropropene      |     | < MDL  |           | 0.5 |
| 33 | 1,1,2-trichloroethane          |     | < MDL  |           | 0.5 |
| 34 | Tetrachloroethene              |     | < MDL  |           | 0.5 |
| 35 | 1,3-dichloropropane            |     | < MDL  |           | 0.5 |
| 36 | *THM-Dibromochloromethane      |     | < MDL  |           | 2.0 |
| 37 | Chlorobenzene                  |     | < MDL  |           | 0.5 |
| 38 | 1,1,1,2-tetrachloroethane      |     | < MDL  |           | 0.5 |
| 39 | Ethylbenzene                   |     | < MDL  |           | 0.5 |
| 40 | P & M-xylene                   |     | < MDL  |           | 0.5 |
| 41 | O-xylene                       |     | < MDL  |           | 0.5 |
| 42 | Styrene                        |     | < MDL  |           | 0.5 |
| 43 | 1,1,2,2-tetrachloroethane      |     | < MDL  |           | 0.5 |
| 44 | *THM-Bromoform                 |     | < MDL  |           | 2.0 |
| 45 | Isopropylbenzene               |     | < MDL  |           | 0.5 |
| 46 | 1,2,3-trichloropropane         |     | < MDL  |           | 0.5 |
| 47 | N-propylbenzene                |     | < MDL  |           | 0.5 |
| 48 | Bromobenzene                   |     | < MDL  |           | 0.5 |

REVIEWED BY SV  
 DATE 12/20/01

User: Huhn, William  
Westchester Dept. of Labs & Research  
Date: 12/17/2001 Time: 08:46:53

Sample: AD29463

Analysis: \$524 Volatile Organic Compounds

Units: ug

Started: 12/13/01 00:04 Ended: 12/13/01 00:04 Analyst: BH

Result source: a:\29463.rr

Page: 2

|    | Component Name         | Viol | Result | Qualifier | MDL |
|----|------------------------|------|--------|-----------|-----|
| 49 | 1,3,5-trimethylbenzene |      | < MDL  |           | 0.5 |
| 50 | 2-chlorotoluene        |      | < MDL  |           | 0.5 |
| 51 | 4-chlorotoluene        |      | < MDL  |           | 0.5 |
| 52 | TERT-butylbenzene      |      | < MDL  |           | 0.5 |
| 53 | 1,2,4-trimethylbenzene |      | < MDL  |           | 0.5 |
| 54 | SEC-butylbenzene       |      | < MDL  |           | 0.5 |
| 55 | P-isopropyltoluene     |      | < MDL  |           | 0.5 |
| 56 | 1,3-dichlorobenzene    |      | < MDL  |           | 0.5 |
| 57 | 1,4-dichlorobenzene    |      | < MDL  |           | 0.5 |
| 58 | N-butylbenzene         |      | < MDL  |           | 0.5 |
| 59 | 1,2-dichlorobenzene    |      | < MDL  |           | 0.5 |
| 60 | 1,2,4-trichlorobenzene |      | < MDL  |           | 0.5 |
| 61 | Hexachlorobutadiene    |      | < MDL  |           | 0.5 |
| 62 | Naphthalene            |      | < MDL  |           | 0.5 |
| 63 | 1,2,3-trichlorobenzene |      | < MDL  |           | 0.5 |

## Quantitation Report

(Not Reviewed)

Data File : C:\HPCHEM\1\DATA\01DEC13\29463.D

Acq On : 13 Dec 2001 4:40 pm

Sample : nyc

Misc :

MS Integration Params: LSCINT.P

Quant Time: Dec 13 17:19 2001

Vial: 9

Operator: 206-BH

Inst : GC/MS Ins

Multiplr: 1.00

Quant Results File: HP121001.RES

Quant Method : C:\HPCHEM\1\METHODS\HP121001.M (RTE Integrator)

Title : VOCs BY EPA METHOD 524

Last Update : Wed Dec 12 08:39:59 2001

Response via : Initial Calibration

DataAcq Meth : HP121001

| Internal Standards          | R.T.  | QIon | Response | Conc | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|------|---------|-----------|
| 1) 1,4-DIFLUOROBENZENE      | 14.44 | 114  | 749838   | 5.00 | ug/L    | 0.08      |
| 22) CHLOROBENZENE-D5        | 21.05 | 117  | 739554   | 5.00 | ug/L    | 0.08      |
| 50) 1,4-DICHLOROBENZENE-D4  | 26.21 | 152  | 325617   | 5.00 | ug/L    | 0.10      |
| System Monitoring Compounds |       |      |          |      |         |           |
| 2) 1,2-DICHLOROETHANE-D4    | 13.67 | 65   | 299132   | 6.06 | ug/L    | 0.08      |
| Spiked Amount 5.000         |       |      | Recovery | =    | 121.20% |           |
| 3) 4-BROMOFLUOROBENZENE     | 23.62 | 174  | 239979   | 4.17 | ug/L    | 0.08      |
| Spiked Amount 5.000         |       |      | Recovery | =    | 83.40%  |           |
| 23) TOLUENE-D8              | 17.76 | 98   | 1069282  | 5.45 | ug/L    | 0.08      |
| Spiked Amount 5.000         |       |      | Recovery | =    | 109.00% |           |
| Target Compounds            |       |      |          |      |         |           |
| 10) ACETONE                 | 7.70  | 43   | 38165    | 7.59 | ug/L    | Qvalue 98 |
| 16) 2-BUTANONE (MEK)        | 11.42 | 43   | 5589     | 0.63 | ug/L    | 64        |

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

29463.D HP121001.M Mon Dec 17 08:47:30 2001

Page 1

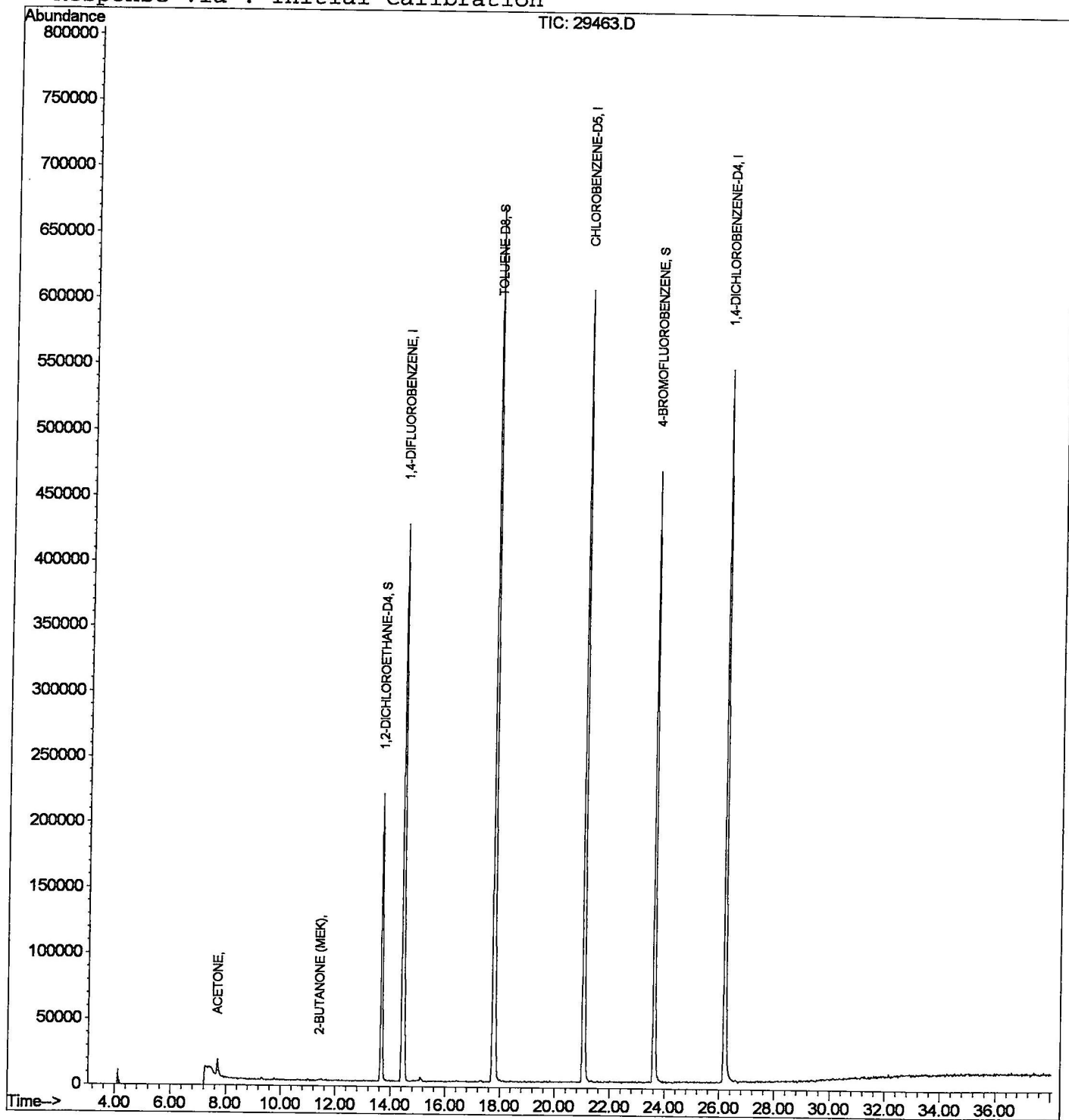
# Quantitation Report

Data File : C:\HPCHEM\1\DATA\01DEC13\29463.D  
 Acq On : 13 Dec 2001 4:40 pm  
 Sample : nyc  
 Misc :  
 MS Integration Params: LSCINT.P  
 Quant Time: Dec 13 17:19 2001

Vial: 9  
 Operator: 206-BH  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Results File: HP121001.RES

Method : C:\HPCHEM\1\METHODS\HP121001.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Last Update : Wed Dec 12 08:39:59 2001  
 Response via : Initial Calibration



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\01DEC13\29463.D  
 Acq On : 13 Dec 2001 4:40 pm  
 Sample : nyc  
 Misc :  
 MS Integration Params: LSCINT.P

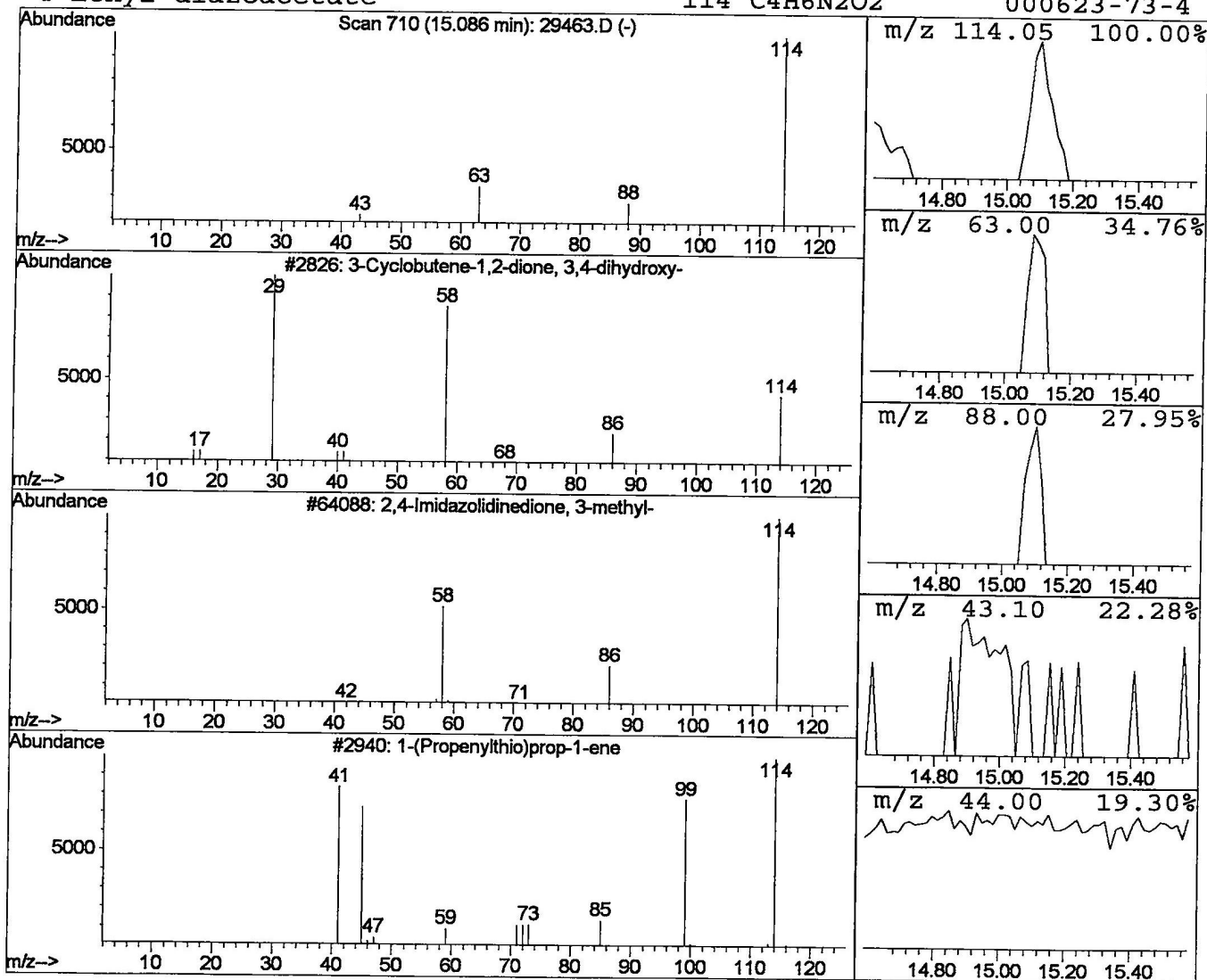
Vial: 9  
 Operator: 206-BH  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP121001.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 1 3-Cyclobutene-1,2-dione, 3,4-d Concentration Rank 10

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 15.09 | 0.03 ug/L | 13354 | 1,4-DIFLUOROBENZENE | 14.44 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 3-Cyclobutene-1,2-dione, 3,4-dihydr | 114 | C4H2O4   | 002892-51-5 | 4    |
| 2    |    | 2,4-Imidazolidinedione, 3-methyl-   | 114 | C4H6N2O2 | 006843-45-4 | 3    |
| 3    |    | 1-(Propenylthio)prop-1-ene          | 114 | C6H10S   | 000000-00-0 | 3    |
| 4    |    | Ethyl diazoacetate                  | 114 | C4H6N2O2 | 000623-73-4 | 2    |



User: Huhn, William  
 Westchester Dept. of Labs & Research  
 Date: 12/17/2001 Time: 08:58:21

Sample: AD29464  
 Analysis: \$524 Volatile Organic Compounds  
 Units: ug  
 Started: 12/13/01 00:05 Ended: 12/13/01 00:05 Analyst: BH  
 Result source: a:\29464.rr  
 Page: 1

|    | Component Name                 | Vol | Result | Qualifier | MDL |
|----|--------------------------------|-----|--------|-----------|-----|
| 1  | Surr - 1,2-DICHLOROETHANE-     |     | 6.2    |           | 0.5 |
| 2  | Surr - 4-BROMOFLUOROBENZ       |     | 4.2    |           | 0.5 |
| 3  | Dichlorodifluoromethane        |     | < MDL  |           | 0.5 |
| 4  | Chloromethane                  |     | < MDL  |           | 0.5 |
| 5  | Vinyl chloride                 |     | < MDL  |           | 0.5 |
| 6  | Bromomethane                   |     | < MDL  |           | 0.5 |
| 7  | Chloroethane                   |     | < MDL  |           | 0.5 |
| 8  | Trichlorofluoromethane         |     | < MDL  |           | 0.5 |
| 9  | 1,1-Dichloroethene             |     | < MDL  |           | 0.5 |
| 10 | Methylene Chloride             |     | < MDL  |           | 0.5 |
| 11 | Methyl tert-butyl ether (MTBE) |     | < MDL  |           | 1.0 |
| 12 | trans-1,2-dichloroethene       |     | < MDL  |           | 0.5 |
| 13 | 1,1-dichloroethane             |     | < MDL  |           | 0.5 |
| 14 | 2-butanone (MEK)               |     | < MDL  |           | 2.0 |
| 15 | 2,2-dichloropropane            |     | < MDL  |           | 0.5 |
| 16 | cis-1,2-dichloroethene         |     | < MDL  |           | 0.5 |
| 17 | *THM-Chloroform                |     | < MDL  |           | 0.5 |
| 18 | Bromochloromethane             |     | < MDL  |           | 0.5 |
| 19 | 1,2-dichloroethane             |     | < MDL  |           | 0.5 |
| 20 | Surr - TOLUENE-D8              |     | 5.4    |           | 0.5 |
| 21 | 1,1,1- trichloroethane         |     | < MDL  |           | 0.5 |
| 22 | 1,1-dichloropropene            |     | < MDL  |           | 0.5 |
| 23 | Carbon tetrachloride           |     | < MDL  |           | 0.5 |
| 24 | Benzene                        |     | < MDL  |           | 0.5 |
| 25 | Trichloroethene                |     | < MDL  |           | 0.5 |
| 26 | 1,2-dichloropropane            |     | < MDL  |           | 0.5 |
| 27 | Dibromomethane                 |     | < MDL  |           | 0.5 |
| 28 | *THM-Bromodichloromethane      |     | < MDL  |           | 0.5 |
| 29 | Methyl iso-butyl ketone (MIBK) |     | < MDL  |           | 1.0 |
| 30 | cis-1,3-dichloropropene        |     | < MDL  |           | 0.5 |
| 31 | Toluene                        |     | < MDL  |           | 0.5 |
| 32 | trans-1,3-dichloropropene      |     | < MDL  |           | 0.5 |
| 33 | 1,1,2-trichloroethane          |     | < MDL  |           | 0.5 |
| 34 | Tetrachloroethene              |     | < MDL  |           | 0.5 |
| 35 | 1,3-dichloropropane            |     | < MDL  |           | 0.5 |
| 36 | *THM-Dibromochloromethane      |     | < MDL  |           | 2.0 |
| 37 | Chlorobenzene                  |     | < MDL  |           | 0.5 |
| 38 | 1,1,1,2-tetrachloroethane      |     | < MDL  |           | 0.5 |
| 39 | Ethylbenzene                   |     | < MDL  |           | 0.5 |
| 40 | P & M-xylene                   |     | < MDL  |           | 0.5 |
| 41 | O-xylene                       |     | < MDL  |           | 0.5 |
| 42 | Styrene                        |     | < MDL  |           | 0.5 |
| 43 | 1,1,2,2-tetrachloroethane      |     | < MDL  |           | 0.5 |
| 44 | *THM-Bromoform                 |     | < MDL  |           | 2.0 |
| 45 | Isopropylbenzene               |     | < MDL  |           | 0.5 |
| 46 | 1,2,3-trichloropropane         |     | < MDL  |           | 0.5 |
| 47 | N-propylbenzene                |     | < MDL  |           | 0.5 |
| 48 | Bromobenzene                   |     | < MDL  |           | 0.5 |

|             |                 |
|-------------|-----------------|
| REVIEWED BY | <u>AN</u>       |
| DATE        | <u>12/20/01</u> |

User: Huhn, William  
Westchester Dept. of Labs & Research  
Date: 12/17/2001 Time: 08:58:21

Sample: AD29464  
Analysis: \$524 Volatile Organic Compounds  
Units: ug  
Started: 12/13/01 00:05 Ended: 12/13/01 00:05 Analyst: BH  
Result source: a:\29464.rr  
Page: 2

|    | Component Name         | Vol | Result | Qualifier | MDL |
|----|------------------------|-----|--------|-----------|-----|
| 49 | 1,3,5-trimethylbenzene |     | < MDL  |           | 0.5 |
| 50 | 2-chlorotoluene        |     | < MDL  |           | 0.5 |
| 51 | 4-chlorotoluene        |     | < MDL  |           | 0.5 |
| 52 | TERT-butylbenzene      |     | < MDL  |           | 0.5 |
| 53 | 1,2,4-trimethylbenzene |     | < MDL  |           | 0.5 |
| 54 | SEC-butylbenzene       |     | < MDL  |           | 0.5 |
| 55 | P-isopropyltoluene     |     | < MDL  |           | 0.5 |
| 56 | 1,3-dichlorobenzene    |     | < MDL  |           | 0.5 |
| 57 | 1,4-dichlorobenzene    |     | < MDL  |           | 0.5 |
| 58 | N-butylbenzene         |     | < MDL  |           | 0.5 |
| 59 | 1,2-dichlorobenzene    |     | < MDL  |           | 0.5 |
| 60 | 1,2,4-trichlorobenzene |     | < MDL  |           | 0.5 |
| 61 | Hexachlorobutadiene    |     | < MDL  |           | 0.5 |
| 62 | Naphthalene            |     | < MDL  |           | 0.5 |
| 63 | 1,2,3-trichlorobenzene |     | < MDL  |           | 0.5 |

Quantitation Report

(Not Reviewed)

Data File : C:\HPCHEM\1\DATA\01dec13\29464.D  
 Acq On : 13 Dec 2001 5:24 pm  
 Sample : nyc  
 Misc :  
 MS Integration Params: LSCINT.P  
 Quant Time: Dec 13 18:02 2001

Vial: 10  
 Operator: 206-BH  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Results File: HP121001.RES

Quant Method : C:\HPCHEM\1\METHODS\HP121001.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Last Update : Wed Dec 12 08:39:59 2001  
 Response via : Initial Calibration  
 DataAcq Meth : HP121001

| Internal Standards          | R.T.  | QIon | Response | Conc | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|------|---------|-----------|
| 1) 1,4-DIFLUOROBENZENE      | 14.44 | 114  | 691328   | 5.00 | ug/L    | 0.09      |
| 22) CHLOROBENZENE-D5        | 21.05 | 117  | 703418   | 5.00 | ug/L    | 0.09      |
| 50) 1,4-DICHLOROBENZENE-D4  | 26.21 | 152  | 311719   | 5.00 | ug/L    | 0.10      |
| System Monitoring Compounds |       |      |          |      |         |           |
| 2) 1,2-DICHLOROETHANE-D4    | 13.67 | 65   | 284202   | 6.24 | ug/L    | 0.09      |
| Spiked Amount 5.000         |       |      | Recovery | =    | 124.80% |           |
| 3) 4-BROMOFLUOROBENZENE     | 23.62 | 174  | 223331   | 4.21 | ug/L    | 0.09      |
| Spiked Amount 5.000         |       |      | Recovery | =    | 84.20%  |           |
| 23) TOLUENE-D8              | 17.76 | 98   | 1001542  | 5.37 | ug/L    | 0.09      |
| Spiked Amount 5.000         |       |      | Recovery | =    | 107.40% |           |
| Target Compounds            |       |      |          |      |         |           |
| 10) ACETONE                 | 7.70  | 43   | 22493    | 4.85 | ug/L    | Qvalue 95 |
| 16) 2-BUTANONE (MEK)        | 11.41 | 43   | 4093     | 0.50 | ug/L    | 64        |

-----  
 (#) = qualifier out of range (m) = manual integration  
 29464.D HP121001.M Thu Dec 13 18:02:53 2001



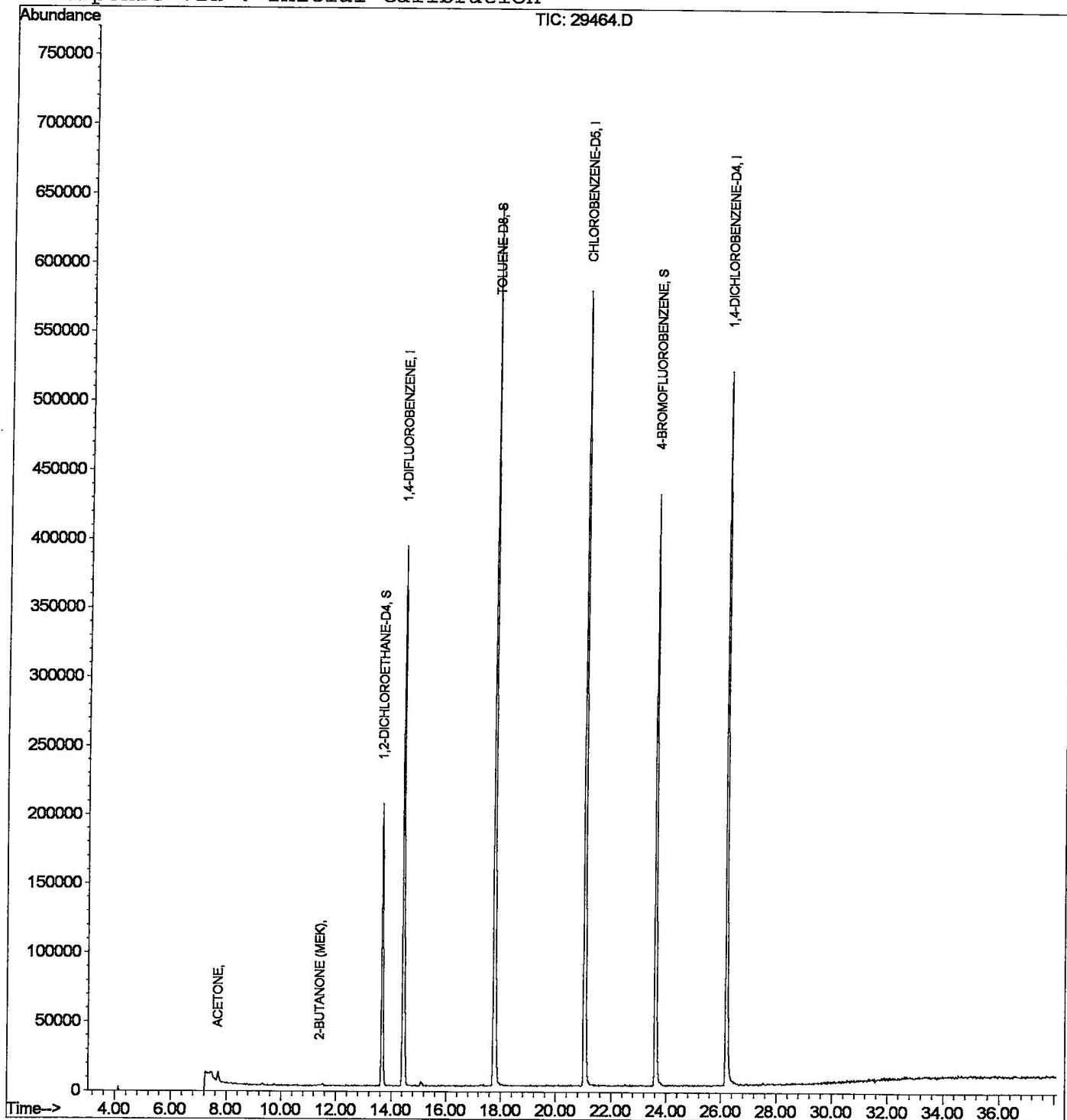
# Quantitation Report

Data File : C:\HPCHEM\1\DATA\01dec13\29464.D  
 Acq On : 13 Dec 2001 5:24 pm  
 Sample : nyc  
 Misc :  
 MS Integration Params: LSCINT.P  
 Quant Time: Dec 13 18:02 2001

Vial: 10  
 Operator: 206-BH  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Results File: HP121001.RES

Method : C:\HPCHEM\1\METHODS\HP121001.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Last Update : Wed Dec 12 08:39:32 2001  
 Response via : Initial Calibration



## Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\01dec13\29464.D  
Acq On : 13 Dec 2001 5:24 pm  
Sample : nyc  
Misc :  
MS Integration Params: LSCINT.P

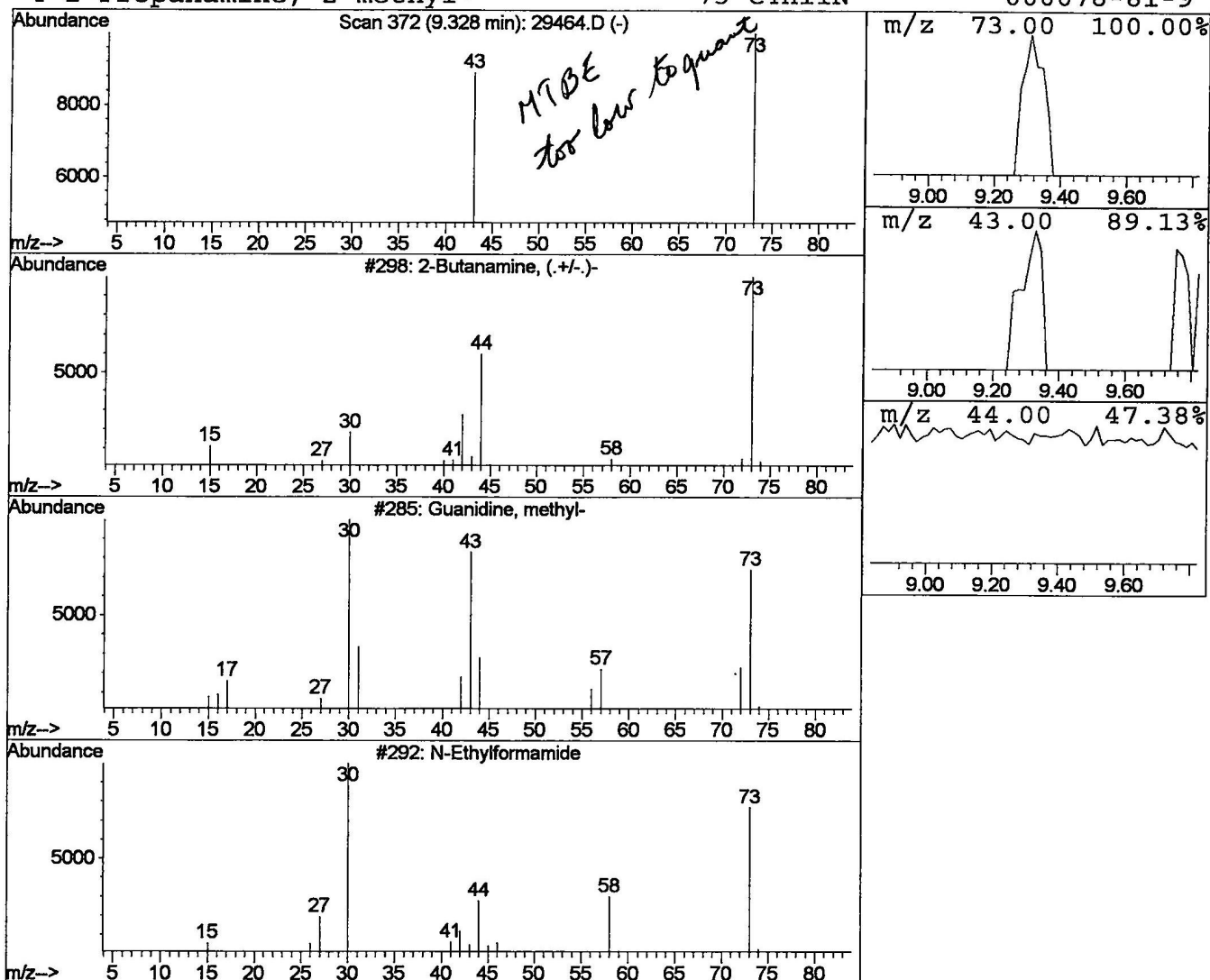
Vial: 10  
Operator: 206-BH  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP121001.M (RTE Integrator)  
Title : VOCs BY EPA METHOD 524  
Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
Peak Number 2 2-Butanamine, (./-.)- Concentration Rank 3

| R.T. | EstConc   | Area | Relative to ISTD    | R.T.  |
|------|-----------|------|---------------------|-------|
| 9.33 | 0.02 ug/L | 6716 | 1,4-DIFLUOROBENZENE | 14.44 |

| Hit# | of | Tentative ID             | MW | MolForm | CAS#        | Qual |
|------|----|--------------------------|----|---------|-------------|------|
| 1    | 5  | 2-Butanamine, (./-.)-    | 73 | C4H11N  | 033966-50-6 | 4    |
| 2    |    | Guanidine, methyl-       | 73 | C2H7N3  | 000471-29-4 | 4    |
| 3    |    | N-Ethylformamide         | 73 | C3H7NO  | 000627-45-2 | 4    |
| 4    |    | 1-Propanamine, 2-methyl- | 73 | C4H11N  | 000078-81-9 | 3    |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\01dec13\29464.D  
 Acq On : 13 Dec 2001 5:24 pm  
 Sample : nyc  
 Misc :  
 MS Integration Params: LSCINT.P

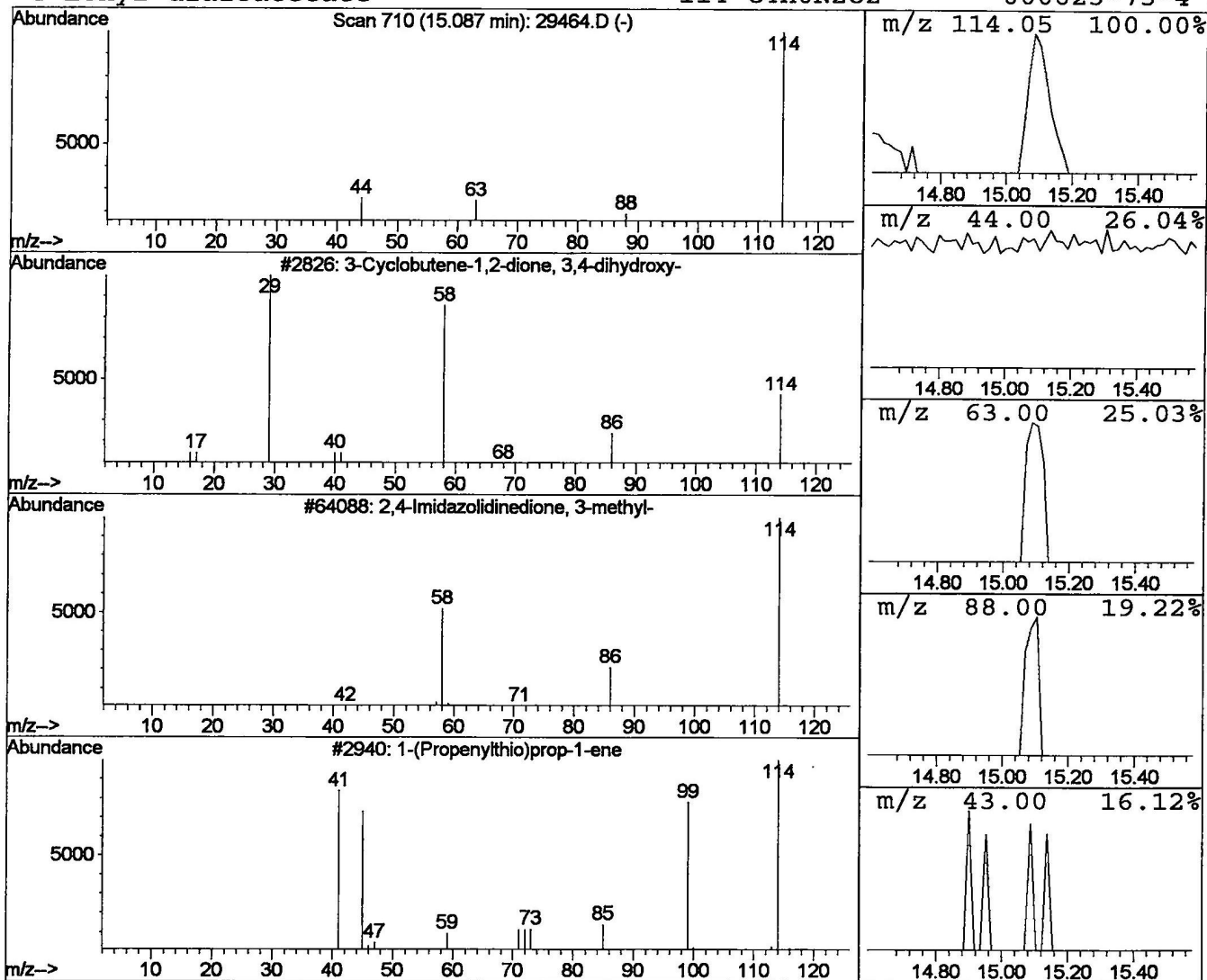
Vial: 10  
 Operator: 206-BH  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP121001.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 3 3-Cyclobutene-1,2-dione, 3,4-d Concentration Rank 2

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 15.09 | 0.04 ug/L | 14956 | 1,4-DIFLUOROBENZENE | 14.44 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|---------|---|-------------------------------------|-----|----------|-------------|------|
| 1       |   | 3-Cyclobutene-1,2-dione, 3,4-dihydr | 114 | C4H2O4   | 002892-51-5 | 4    |
| 2       |   | 2,4-Imidazolidinedione, 3-methyl-   | 114 | C4H6N2O2 | 006843-45-4 | 3    |
| 3       |   | 1-(Propenylthio)prop-1-ene          | 114 | C6H10S   | 000000-00-0 | 3    |
| 4       |   | Ethyl diazoacetate                  | 114 | C4H6N2O2 | 000623-73-4 | 2    |



# Library Search Compound Report

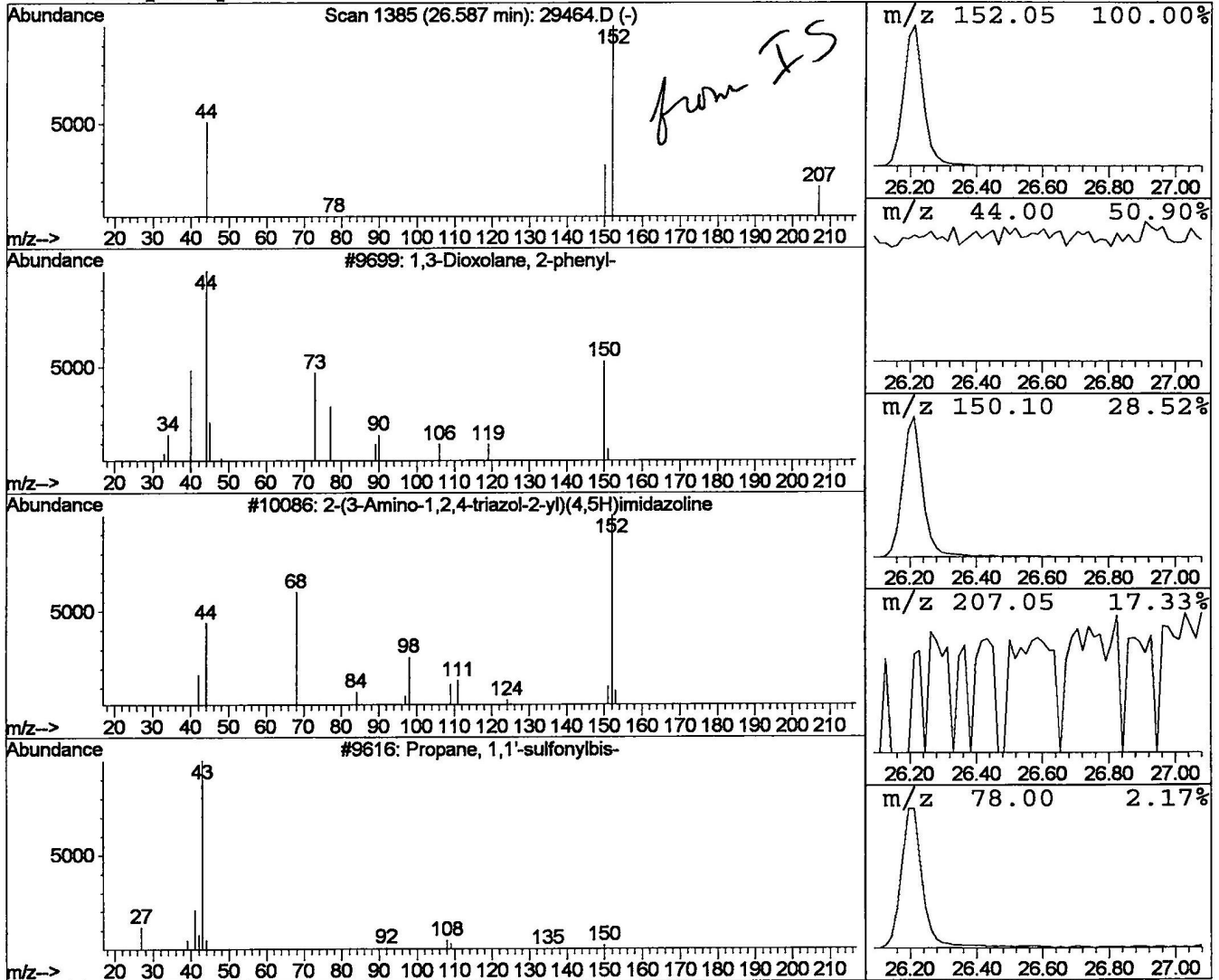
Data File : C:\HPCHEM\1\DATA\01dec13\29464.D  
 Acq On : 13 Dec 2001 5:24 pm  
 Sample : nyc  
 Misc :  
 MS Integration Params: LSCINT.P

Vial: 10  
 Operator: 206-BH  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP121001.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 4 1,3-Dioxolane, 2-phenyl- Concentration Rank 8

| R.T.    | EstConc   | Area                                 | Relative to ISTD       | R.T.     |             |      |
|---------|-----------|--------------------------------------|------------------------|----------|-------------|------|
| 26.59   | 0.01 ug/L | 5156                                 | 1,4-DICHLOROBENZENE-D4 | 26.21    |             |      |
| Hit# of | 5         | Tentative ID                         | MW                     | MolForm  | CAS#        | Qual |
| 1       |           | 1,3-Dioxolane, 2-phenyl-             | 150                    | C9H10O2  | 000936-51-6 | 5    |
| 2       |           | 2-(3-Amino-1,2,4-triazol-2-yl) (4,5H | 152                    | C5H8N6   | 087633-54-3 | 5    |
| 3       |           | Propane, 1,1'-sulfonylbis-           | 150                    | C6H14O2S | 000598-03-8 | 3    |
| 4       |           | Acenaphthylene                       | 152                    | C12H8    | 000208-96-8 | 2    |



User: Huhn, William  
 Westchester Dept. of Labs & Research  
 Date: 12/17/2001 Time: 08:59:13

Sample: AD29465  
 Analysis: \$524 Volatile Organic Compounds  
 Units: ug  
 Started: 12/13/01 00:06 Ended: 12/13/01 00:06 Analyst: BH  
 Result source: a:\29465.rr  
 Page: 1

|    | Component Name                 | Vol | Result | Qualifier | MDL |
|----|--------------------------------|-----|--------|-----------|-----|
| 1  | Surr - 1,2-DICHLOROETHANE-     |     | 6.4    |           | 0.5 |
| 2  | Surr - 4-BROMOFLUOROBENZ       |     | 4.2    |           | 0.5 |
| 3  | Dichlorodifluoromethane        |     | < MDL  |           | 0.5 |
| 4  | Chloromethane                  |     | < MDL  |           | 0.5 |
| 5  | Vinyl chloride                 |     | < MDL  |           | 0.5 |
| 6  | Bromomethane                   |     | < MDL  |           | 0.5 |
| 7  | Chloroethane                   |     | < MDL  |           | 0.5 |
| 8  | Trichlorofluoromethane         |     | < MDL  |           | 0.5 |
| 9  | 1,1-Dichloroethene             |     | < MDL  |           | 0.5 |
| 10 | Methylene Chloride             |     | < MDL  |           | 0.5 |
| 11 | Methyl tert-butyl ether (MTBE) |     | < MDL  |           | 1.0 |
| 12 | trans-1,2-dichloroethene       |     | < MDL  |           | 0.5 |
| 13 | 1,1-dichloroethane             |     | < MDL  |           | 0.5 |
| 14 | 2-butanone (MEK)               |     | < MDL  |           | 2.0 |
| 15 | 2,2-dichloropropane            |     | < MDL  |           | 0.5 |
| 16 | cis-1,2-dichloroethene         |     | < MDL  |           | 0.5 |
| 17 | *THM-Chloroform                |     | < MDL  |           | 0.5 |
| 18 | Bromochloromethane             |     | < MDL  |           | 0.5 |
| 19 | 1,2-dichloroethane             |     | < MDL  |           | 0.5 |
| 20 | Surr - TOLUENE-D8              |     | 5.3    |           | 0.5 |
| 21 | 1,1,1- trichloroethane         |     | < MDL  |           | 0.5 |
| 22 | 1,1-dichloropropene            |     | < MDL  |           | 0.5 |
| 23 | Carbon tetrachloride           |     | < MDL  |           | 0.5 |
| 24 | Benzene                        |     | < MDL  |           | 0.5 |
| 25 | Trichloroethene                |     | < MDL  |           | 0.5 |
| 26 | 1,2-dichloropropane            |     | < MDL  |           | 0.5 |
| 27 | Dibromomethane                 |     | < MDL  |           | 0.5 |
| 28 | *THM-Bromodichloromethane      |     | < MDL  |           | 0.5 |
| 29 | Methyl iso-butyl ketone (MIBK) |     | < MDL  |           | 1.0 |
| 30 | cis-1,3-dichloropropene        |     | < MDL  |           | 0.5 |
| 31 | Toluene                        |     | < MDL  |           | 0.5 |
| 32 | trans-1,3-dichloropropene      |     | < MDL  |           | 0.5 |
| 33 | 1,1,2-trichloroethane          |     | < MDL  |           | 0.5 |
| 34 | Tetrachloroethene              |     | < MDL  |           | 0.5 |
| 35 | 1,3-dichloropropane            |     | < MDL  |           | 0.5 |
| 36 | *THM-Dibromochloromethane      |     | < MDL  |           | 2.0 |
| 37 | Chlorobenzene                  |     | < MDL  |           | 0.5 |
| 38 | 1,1,1,2-tetrachloroethane      |     | < MDL  |           | 0.5 |
| 39 | Ethylbenzene                   |     | < MDL  |           | 0.5 |
| 40 | P & M-xylene                   |     | < MDL  |           | 0.5 |
| 41 | O-xylene                       |     | < MDL  |           | 0.5 |
| 42 | Styrene                        |     | < MDL  |           | 0.5 |
| 43 | 1,1,1,2,2-tetrachloroethane    |     | < MDL  |           | 0.5 |
| 44 | *THM-Bromoform                 |     | < MDL  |           | 2.0 |
| 45 | Isopropylbenzene               |     | < MDL  |           | 0.5 |
| 46 | 1,2,3-trichloropropane         |     | < MDL  |           | 0.5 |
| 47 | N-propylbenzene                |     | < MDL  |           | 0.5 |
| 48 | Bromobenzene                   |     | < MDL  |           | 0.5 |

REVIEWED BY *[Signature]*  
 DATE 12/20/01

User: Huhn, William  
Westchester Dept. of Labs & Research  
Date: 12/17/2001 Time: 08:59:13

Sample: AD29465  
Analysis: \$524 Volatile Organic Compounds  
Units: ug  
Started: 12/13/01 00:06 Ended: 12/13/01 00:06 Analyst: BH  
Result source: a:\29465.rr  
Page: 2

|    | Component Name         | Viol | Result | Qualifier | MDL |
|----|------------------------|------|--------|-----------|-----|
| 49 | 1,3,5-trimethylbenzene |      | < MDL  |           | 0.5 |
| 50 | 2-chlorotoluene        |      | < MDL  |           | 0.5 |
| 51 | 4-chlorotoluene        |      | < MDL  |           | 0.5 |
| 52 | TERT-butylbenzene      |      | < MDL  |           | 0.5 |
| 53 | 1,2,4-trimethylbenzene |      | < MDL  |           | 0.5 |
| 54 | SEC-butylbenzene       |      | < MDL  |           | 0.5 |
| 55 | P-isopropyltoluene     |      | < MDL  |           | 0.5 |
| 56 | 1,3-dichlorobenzene    |      | < MDL  |           | 0.5 |
| 57 | 1,4-dichlorobenzene    |      | < MDL  |           | 0.5 |
| 58 | N-butylbenzene         |      | < MDL  |           | 0.5 |
| 59 | 1,2-dichlorobenzene    |      | < MDL  |           | 0.5 |
| 60 | 1,2,4-trichlorobenzene |      | < MDL  |           | 0.5 |
| 61 | Hexachlorobutadiene    |      | < MDL  |           | 0.5 |
| 62 | Naphthalene            |      | < MDL  |           | 0.5 |
| 63 | 1,2,3-trichlorobenzene |      | < MDL  |           | 0.5 |

## Quantitation Report

(Not Reviewed)

Data File : C:\HPCHEM\1\DATA\01dec13\29465.D

Vial: 11

Acq On : 13 Dec 2001 6:07 pm

Operator: 206-BH

Sample : nyc

Inst : GC/MS Ins

Misc :

Multiplr: 1.00

MS Integration Params: LSCINT.P

Quant Time: Dec 13 18:46 2001

Quant Results File: HP121001.RES

Quant Method : C:\HPCHEM\1\METHODS\HP121001.M (RTE Integrator)

Title : VOCs BY EPA METHOD 524

Last Update : Wed Dec 12 08:39:59 2001

Response via : Initial Calibration

DataAcq Meth : HP121001

| Internal Standards          | R.T.  | QIon | Response | Conc | Units   | Dev (Min) |
|-----------------------------|-------|------|----------|------|---------|-----------|
| 1) 1,4-DIFLUOROBENZENE      | 14.44 | 114  | 654403   | 5.00 | ug/L    | 0.09      |
| 22) CHLOROBENZENE-D5        | 21.05 | 117  | 661952   | 5.00 | ug/L    | 0.09      |
| 50) 1,4-DICHLOROBENZENE-D4  | 26.21 | 152  | 289798   | 5.00 | ug/L    | 0.10      |
| System Monitoring Compounds |       |      |          |      |         |           |
| 2) 1,2-DICHLOROETHANE-D4    | 13.67 | 65   | 274766   | 6.37 | ug/L    | 0.09      |
| Spiked Amount 5.000         |       |      | Recovery | =    | 127.40% |           |
| 3) 4-BROMOFLUOROBENZENE     | 23.62 | 174  | 209655   | 4.17 | ug/L    | 0.09      |
| Spiked Amount 5.000         |       |      | Recovery | =    | 83.40%  |           |
| 23) TOLUENE-D8              | 17.76 | 98   | 937340   | 5.34 | ug/L    | 0.09      |
| Spiked Amount 5.000         |       |      | Recovery | =    | 106.80% |           |
| Target Compounds            |       |      |          |      |         |           |
| 10) ACETONE                 | 7.70  | 43   | 5958     | 1.36 | ug/L    | Qvalue 95 |
| 16) 2-BUTANONE (MEK)        | 11.41 | 43   | 2457     | 0.32 | ug/L    | 64        |

-----  
 (#) = qualifier out of range (m) = manual integration  
 29465.D HP121001.M Thu Dec 13 18:46:31 2001

Page 1

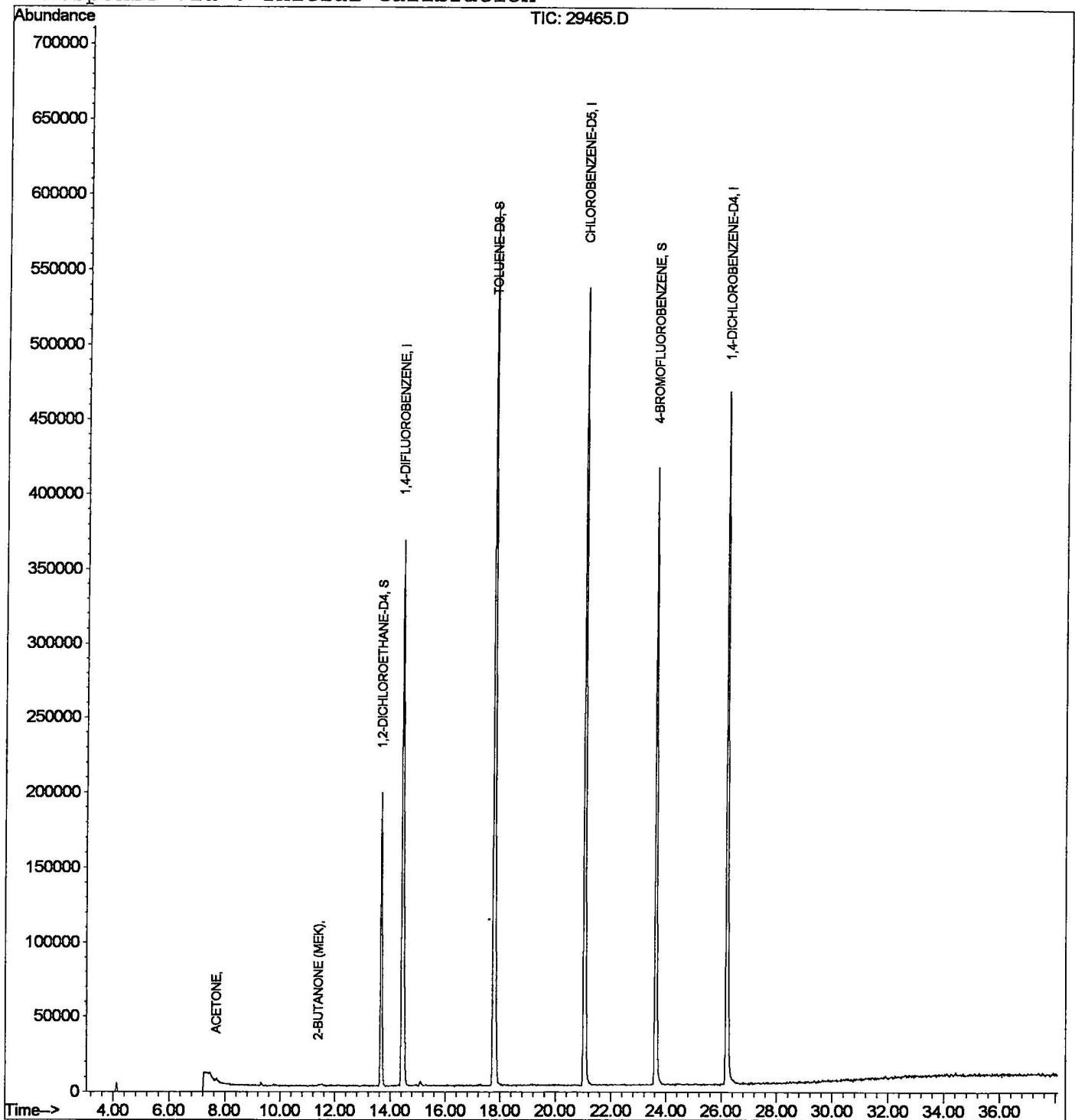
## Quantitation Report

Data File : C:\HPCHEM\1\DATA\01dec13\29465.D  
Acq On : 13 Dec 2001 6:07 pm  
Sample : nyc  
Misc :  
MS Integration Params: LSCINT.P  
Quant Time: Dec 13 18:46 2001

Vial: 11  
Operator: 206-BH  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Results File: HP121001.RES

Method : C:\HPCHEM\1\METHODS\HP121001.M (RTE Integrator)  
Title : VOCs BY EPA METHOD 524  
Last Update : Wed Dec 12 08:39:32 2001  
Response via : Initial Calibration





# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\01dec13\29465.D  
 Acq On : 13 Dec 2001 6:07 pm  
 Sample : nyc  
 Misc :  
 MS Integration Params: LSCINT.P

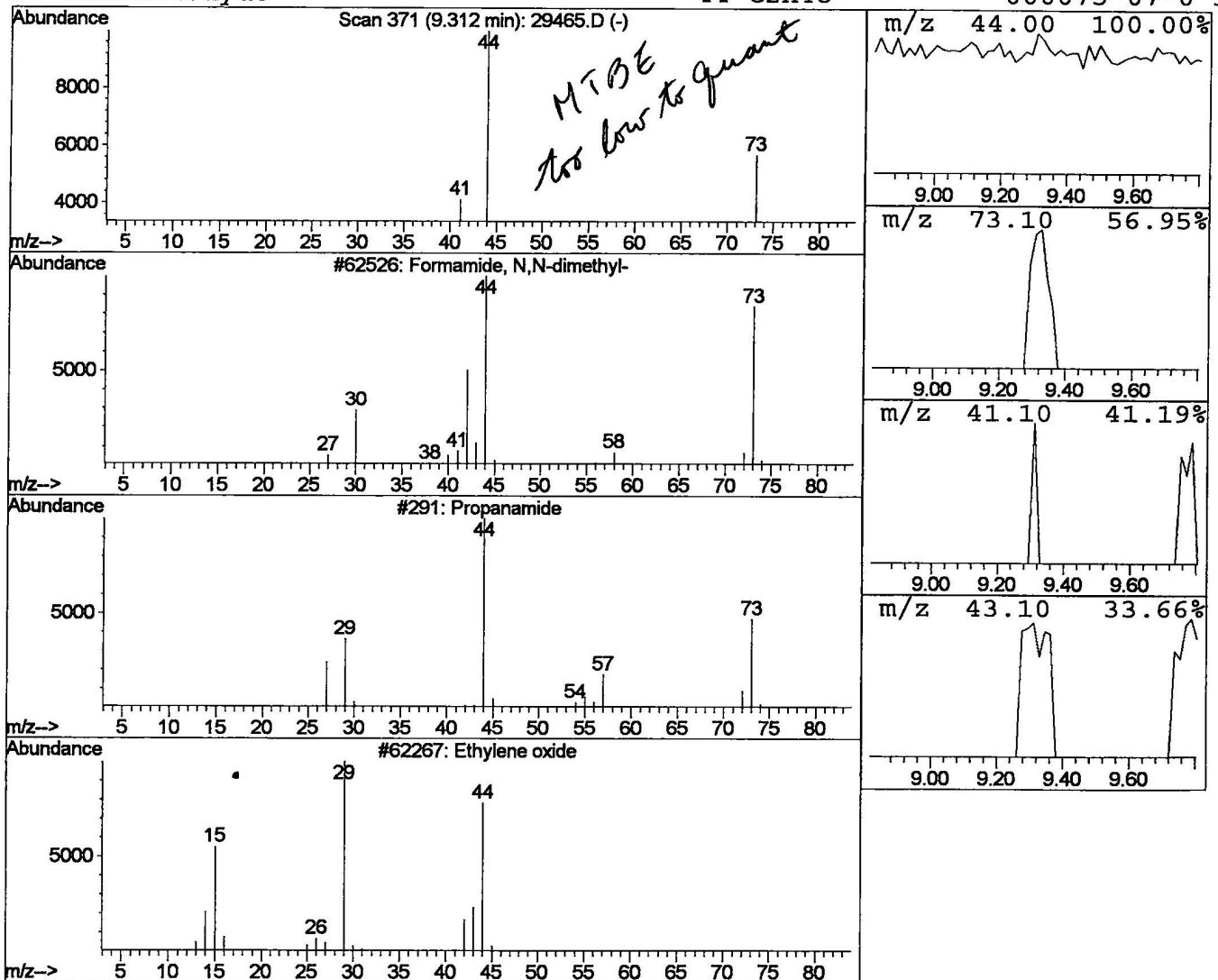
Vial: 11  
 Operator: 206-BH  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP121001.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 3 Formamide, N,N-dimethyl- Concentration Rank 6

| R.T. | EstConc   | Area | Relative to ISTD    | R.T.  |
|------|-----------|------|---------------------|-------|
| 9.31 | 0.03 ug/L | 8787 | 1,4-DIFLUOROBENZENE | 14.44 |

| Hit# | of | 5 | Tentative ID             | MW | MolForm | CAS#        | Qual |
|------|----|---|--------------------------|----|---------|-------------|------|
| 1    |    |   | Formamide, N,N-dimethyl- | 73 | C3H7NO  | 000068-12-2 | 4    |
| 2    |    |   | Propanamide              | 73 | C3H7NO  | 000079-05-0 | 4    |
| 3    |    |   | Ethylene oxide           | 44 | C2H4O   | 000075-21-8 | 3    |
| 4    |    |   | Acetaldehyde             | 44 | C2H4O   | 000075-07-0 | 3    |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\01dec13\29465.D  
 Acq On : 13 Dec 2001 6:07 pm  
 Sample : nyc  
 Misc :  
 MS Integration Params: LSCINT.P

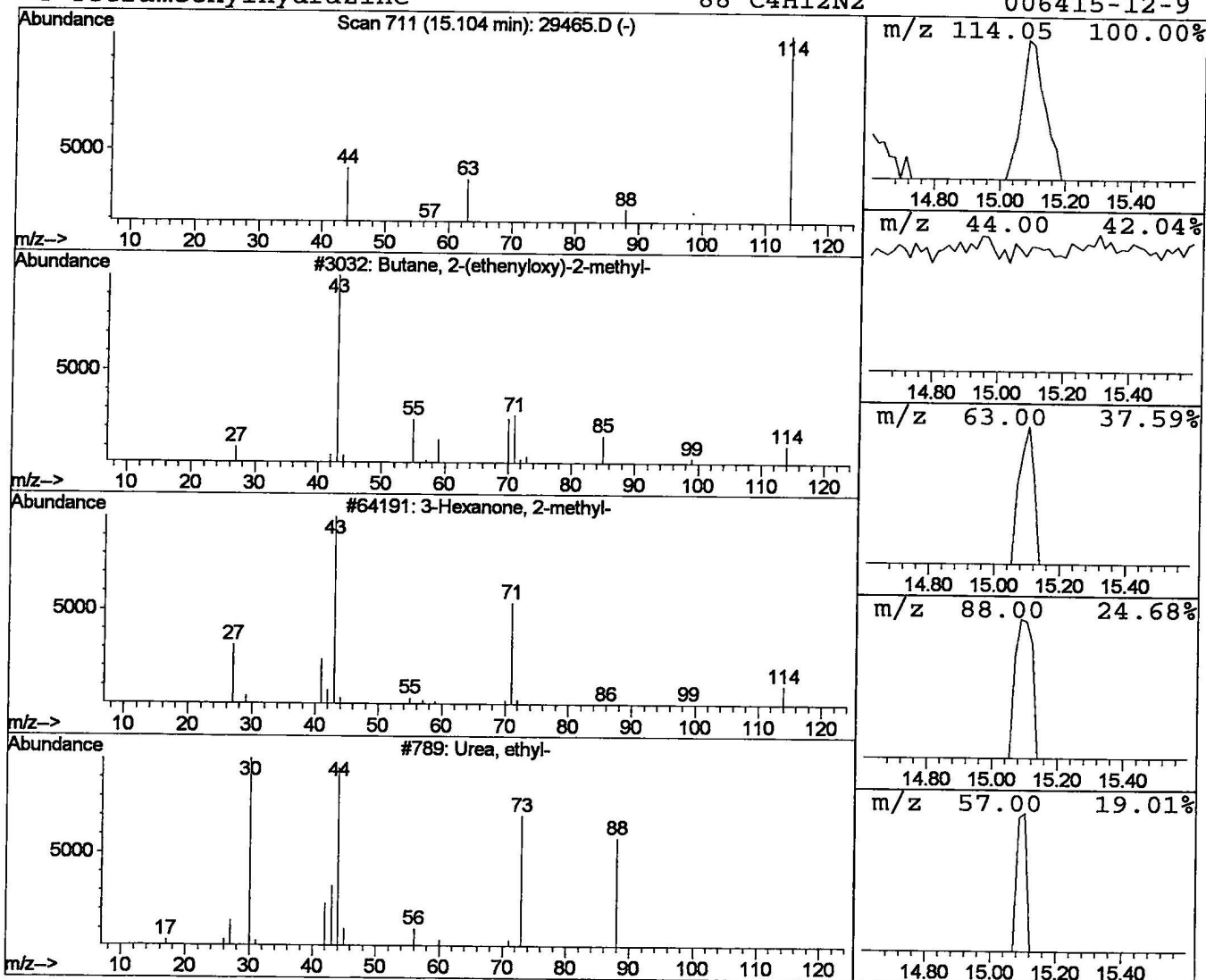
Vial: 11  
 Operator: 206-BH  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP121001.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 4 Butane, 2-(ethenyloxy)-2-methy Concentration Rank 3

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 15.10 | 0.04 ug/L | 13327 | 1,4-DIFLUOROBENZENE | 14.44 |

| Hit# of 5 | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|-----------|----------------------------------|-----|---------|-------------|------|
| 1         | Butane, 2-(ethenyloxy)-2-methyl- | 114 | C7H14O  | 029281-39-8 | 5    |
| 2         | 3-Hexanone, 2-methyl-            | 114 | C7H14O  | 007379-12-6 | 4    |
| 3         | Urea, ethyl-                     | 88  | C3H8N2O | 000625-52-5 | 4    |
| 4         | Tetramethylhydrazine             | 88  | C4H12N2 | 006415-12-9 | 4    |



User: Huhn, William  
 Westchester Dept. of Labs & Research  
 Date: 12/17/2001 Time: 09:06:24

Sample: AD29463  
 Analysis: \$C2524 Volatile Organic Compounds-Cal 2  
 Units: ug  
 Started: 12/13/01 00:06 Ended: 12/13/01 00:06 Analyst: BH  
 Result source: a:\1213c10a.rr  
 Page: 1

|    | Component Name                 | Viol  | Result | Qualifier | MDL |
|----|--------------------------------|-------|--------|-----------|-----|
| 1  | Surr_1,2-DICHLOROETHANE-       |       | 6.4 ✓  |           | .5  |
| 2  | Surr_4-BROMOFLUOROBENZE        |       | 5.6 ✓  |           | .5  |
| 3  | Dichlorodifluoromethane        |       | 8.8    |           | .5  |
| 4  | Chloromethane                  | USPEC | 17     |           | .5  |
| 5  | Vinyl chloride                 | USPEC | 14     |           | .5  |
| 6  | Bromomethane                   | USPEC | 14     |           | .5  |
| 7  | Chloroethane                   | USPEC | 17     |           | .5  |
| 8  | Trichlorofluoromethane         | USPEC | 14     |           | .5  |
| 9  | 1,1-Dichloroethene             |       | 11     |           | .5  |
| 10 | Methylene Chloride             |       | 12     |           | .5  |
| 11 | Methyl tert-butyl ether (MTBE) |       | 9.8    |           | 1.0 |
| 12 | trans-1,2-dichloroethene       |       | 11     |           | .5  |
| 13 | 1,1-dichloroethane             |       | 11     |           | .5  |
| 14 | 2-butanone (MEK)               |       | 12     |           | 2.0 |
| 15 | 2,2-dichloropropane            |       | 11     |           | .5  |
| 16 | cis-1,2-dichloroethene         |       | 9.9    |           | .5  |
| 17 | Chloroform                     |       | 12     |           | .5  |
| 18 | Bromochloromethane             |       | 13     |           | .5  |
| 19 | 1,2-dichloroethane             |       | 12 ✓   |           | .5  |
| 20 | Surr_TOLUENE-D8                |       | 5.3 ✓  |           | .5  |
| 21 | 1,1,1- trichloroethane         |       | 11     |           | .5  |
| 22 | 1,1-dichloropropene            |       | 11     |           | .5  |
| 23 | Carbon tetrachloride           |       | 11     |           | .5  |
| 24 | Benzene                        |       | 10     |           | .5  |
| 25 | Trichloroethene                |       | 10     |           | .5  |
| 26 | 1,2-dichloropropane            |       | 11     |           | .5  |
| 27 | Dibromomethane                 |       | 8.4    |           | .5  |
| 28 | Bromodichloromethane           |       | 11     |           | .5  |
| 29 | Methyl iso-butyl ketone        |       | 9.8    |           | 1.0 |
| 30 | cis-1,3-dichloropropene        |       | 10     |           | .5  |
| 31 | Toluene                        |       | 10     |           | .5  |
| 32 | trans-1,3-dichloropropene      |       | 11     |           | .5  |
| 33 | 1,1,2-trichloroethane          |       | 9.9    |           | .5  |
| 34 | Tetrachloroethene              |       | 8.8    |           | .5  |
| 35 | 1,3-dichloropropane            |       | 11     |           | .5  |
| 36 | Dibromochloromethane           |       | 9.7    |           | 2.0 |
| 37 | Chlorobenzene                  |       | 9.7    |           | .5  |
| 38 | 1,1,1,2-tetrachloroethane      |       | 10     |           | .5  |
| 39 | Ethylbenzene                   |       | 11     |           | .5  |
| 40 | P & M-xylene                   |       | 20     |           | .5  |
| 41 | O-xylene                       |       | 11     |           | .5  |
| 42 | Styrene                        |       | 11     |           | .5  |
| 43 | 1,1,2,2-tetrachloroethane      |       | 11     |           | .5  |
| 44 | Bromoform                      |       | 8.5    |           | 2.0 |
| 45 | Isopropylbenzene               |       | 8.9    |           | .5  |
| 46 | 1,2,3-trichloropropane         |       | 8.6    |           | .5  |
| 47 | N-propylbenzene                |       | 9.1    |           | .5  |
| 48 | Bromobenzene                   |       | 8.3    |           | .5  |

REVIEWED BY \_\_\_\_\_  
 DATE \_\_\_\_\_

User: Huhn, William  
Westchester Dept. of Labs & Research  
Date: 12/17/2001 Time: 09:06:24

Sample: AD29463  
Analysis: \$C2524 Volatile Organic Compounds-Cal 2  
Units: ug  
Started: 12/13/01 00:06 Ended: 12/13/01 00:06 Analyst: BH  
Result source: a:\1213c10a.rr  
Page: 2

|    | Component Name         | Viol | Result | Qualifier | MDL |
|----|------------------------|------|--------|-----------|-----|
| 49 | 1,3,5-trimethylbenzene |      | 9.0    |           | .5  |
| 50 | 2-chlorotoluene        |      | 9.8    |           | .5  |
| 51 | 4-chlorotoluene        |      | 9.4    |           | .5  |
| 52 | TERT-butylbenzene      |      | 8.8    |           | .5  |
| 53 | 1,2,4-trimethylbenzene |      | 9.3    |           | .5  |
| 54 | SEC-butylbenzene       |      | 9.3    |           | .5  |
| 55 | P-isopropyltoluene     |      | 9.2    |           | .5  |
| 56 | 1,3-dichlorobenzene    |      | 9.2    |           | .5  |
| 57 | 1,4-dichlorobenzene    |      | 9.1    |           | .5  |
| 58 | N-butylbenzene         |      | 10     |           | .5  |
| 59 | 1,2-dichlorobenzene    |      | 9.3    |           | .5  |
| 60 | 1,2,4-trichlorobenzene |      | 8.4    |           | .5  |
| 61 | Hexachlobutadiene      |      | 8.9    |           | .5  |
| 62 | Naphthalene            |      | 7.7    |           | .5  |
| 63 | 1,2,3-trichlorobenzene |      | 8.2    |           | .5  |

## Quantitation Report

(Not Reviewed)

Data File : C:\HPCHEM\1\DATA\01dec13\1213C10A.D  
 Acq On : 13 Dec 2001 6:51 pm  
 Sample : cal 10  
 Misc :  
 MS Integration Params: LSCINT.P  
 Quant Time: Dec 13 19:29 2001

Vial: 8  
 Operator: 206-BH  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Results File: HP121001.RES

Quant Method : C:\HPCHEM\1\METHODS\HP121001.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Last Update : Wed Dec 12 08:39:59 2001  
 Response via : Initial Calibration  
 DataAcq Meth : HP121001

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev (Min) |
|----------------------------|-------|------|----------|------|-------|-----------|
| 1) 1,4-DIFLUOROBENZENE     | 14.44 | 114  | 651709   | 5.00 | ug/L  | 0.08      |
| 22) CHLOROBENZENE-D5       | 21.05 | 117  | 668455   | 5.00 | ug/L  | 0.08      |
| 50) 1,4-DICHLOROBENZENE-D4 | 26.21 | 152  | 450711   | 5.00 | ug/L  | 0.10      |

## System Monitoring Compounds

|                          |       |     |          |      |         |      |
|--------------------------|-------|-----|----------|------|---------|------|
| 2) 1,2-DICHLOROETHANE-D4 | 13.67 | 65  | 275359   | 6.41 | ug/L    | 0.08 |
| Spiked Amount            | 5.000 |     | Recovery | =    | 128.20% |      |
| 3) 4-BROMOFLUOROBENZENE  | 23.62 | 174 | 279503   | 5.59 | ug/L    | 0.08 |
| Spiked Amount            | 5.000 |     | Recovery | =    | 111.80% |      |
| 23) TOLUENE-D8           | 17.76 | 98  | 936870   | 5.29 | ug/L    | 0.08 |
| Spiked Amount            | 5.000 |     | Recovery | =    | 105.80% |      |

## Target Compounds

| Target Compounds              | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|-------------------------------|-------|------|----------|-------|-------|--------|
| 4) DICHLORODIFLUOROMETHANE    | 4.50  | 85   | 186925   | 8.79  | ug/L  | 98     |
| 5) CHLOROMETHANE              | 5.00  | 50   | 222122   | 16.80 | ug/L  | 100    |
| 6) VINYL CHLORIDE             | 5.17  | 62   | 185743   | 14.12 | ug/L  | 96     |
| 7) BROMOMETHANE               | 6.09  | 94   | 155458   | 13.52 | ug/L  | 99     |
| 8) CHLOROETHANE               | 6.23  | 64   | 150074   | 16.64 | ug/L  | 96     |
| 9) TRICHLOROFLUOROMETHANE     | 6.76  | 101  | 395432   | 13.85 | ug/L  | 97     |
| 10) ACETONE                   | 7.69  | 43   | 46769    | 10.70 | ug/L  | 97     |
| 11) 1,1-DICHLOROETHENE        | 8.03  | 61   | 399934   | 10.80 | ug/L  | 99     |
| 12) METHYLENE CHLORIDE        | 9.02  | 49   | 443394   | 12.35 | ug/L  | 98     |
| 13) METHYL TERT BUTYL ETHER   | 9.31  | 73   | 462634   | 9.76  | ug/L  | 99     |
| 14) TRANS-1,2-DICHLOROETHENE  | 9.65  | 61   | 446562   | 11.12 | ug/L  | 97     |
| 15) 1,1-DICHLOROETHANE        | 10.54 | 63   | 574609   | 11.47 | ug/L  | 99     |
| 16) 2-BUTANONE (MEK)          | 11.37 | 43   | 92668    | 12.00 | ug/L  | 96     |
| 17) 2,2-DICHLOROPROPANE       | 11.73 | 77   | 454825   | 11.02 | ug/L  | 96     |
| 18) CIS-1,2-DICHLOROETHENE    | 11.83 | 96   | 278120   | 9.91  | ug/L  | 100    |
| 19) CHLOROFORM                | 12.17 | 83   | 563513   | 11.79 | ug/L  | 99     |
| 20) BROMOCHLOROMETHANE        | 12.53 | 49   | 284166   | 12.53 | ug/L  | 90     |
| 21) 1,2-DICHLOROETHANE        | 13.86 | 62   | 397273   | 12.35 | ug/L  | 98     |
| 24) 1,1,1-TRICHLOROETHANE     | 13.04 | 97   | 452807   | 11.03 | ug/L  | 99     |
| 25) 1,1-DICHLOROPROPENE       | 13.38 | 75   | 433738   | 10.70 | ug/L  | 100    |
| 26) CARBON TETRACHLORIDE      | 13.62 | 117  | 388916   | 11.14 | ug/L  | 100    |
| 27) BENZENE                   | 13.98 | 78   | 1203291  | 10.22 | ug/L  | 100    |
| 28) TRICHLOROETHENE           | 15.24 | 95   | 327520   | 10.38 | ug/L  | 95     |
| 29) 1,2-DICHLOROPROPANE       | 15.58 | 63   | 350957   | 10.70 | ug/L  | 100    |
| 30) DIBROMOMETHANE            | 16.24 | 174  | 98623    | 8.45  | ug/L  | 98     |
| 31) BROMODICHLOROMETHANE      | 16.09 | 83   | 427869   | 11.32 | ug/L  | 95     |
| 32) 2-CHLOROETHYL VINYL ETHER | 16.58 | 63   | 121993   | 10.01 | ug/L  | 100    |
| 33) Methyl iso-butyl ketone   | 16.65 | 58   | 61152    | 9.76  | ug/L  | 88     |

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

1213C10A.D HP121001.M

Thu Dec 13 19:29:48 2001

Page 1

## Quantitation Report

(Not Reviewed)

Data File : C:\HPCHEM\1\DATA\01dec13\1213C10A.D

Vial: 8

Acq On : 13 Dec 2001 6:51 pm

Operator: 206-BH

Sample : cal 10

Inst : GC/MS Ins

Misc :

Multiplr: 1.00

MS Integration Params: LSCINT.P

Quant Time: Dec 13 19:29 2001

Quant Results File: HP121001.RES

Quant Method : C:\HPCHEM\1\METHODS\HP121001.M (RTE Integrator)

Title : VOCs BY EPA METHOD 524

Last Update : Wed Dec 12 08:39:59 2001

Response via : Initial Calibration

DataAcq Meth : HP121001

| Compound                       | R.T.  | QIon | Response | Conc   | Unit | Qvalue |
|--------------------------------|-------|------|----------|--------|------|--------|
| 34) CIS-1,3-DICHLOROPROPENE    | 17.18 | 75   | 495179   | 10.46  | ug/L | 99     |
| 35) TOLUENE                    | 17.93 | 91   | 1346217  | 10.13  | ug/L | 99     |
| 36) TRANS-1,3-DICHLOROPROPENE  | 18.22 | 75   | 404376   | 11.00  | ug/L | 98     |
| 37) 1,1,2-TRICHLOROETHANE      | 18.59 | 97   | 180349   | 9.91   | ug/L | 98     |
| 38) TETRACHLOROETHENE          | 19.36 | 166  | 275019   | 8.78   | ug/L | 96     |
| 39) 1,3-DICHLOROPROPANE        | 19.12 | 76   | 373580   | 10.62  | ug/L | 99     |
| 40) DIBROMOCHLOROMETHANE       | 19.80 | 129  | 214526   | 9.70   | ug/L | 99     |
| 41) 1,2-DIBROMOETHANE          | 20.25 | 107  | 165914   | 9.57   | ug/L | 98     |
| 42) CHLOROBENZENE              | 21.13 | 112  | 856479   | 9.69   | ug/L | 95     |
| 43) 1,1,1,2-TETRACHLOROETHANE  | 21.17 | 131  | 287878   | 9.99   | ug/L | 98     |
| 44) 2-HEXANONE                 | 18.51 | 43   | 130708   | 12.49  | ug/L | 97     |
| 45) ETHYLBENZENE               | 21.17 | 91   | 1739373  | 10.63  | ug/L | 96     |
| 46) P & M-XYLENE               | 21.34 | 106  | 1251013  | 20.34  | ug/L | 96     |
| 47) O-XYLENE                   | 22.31 | 91   | 1480490  | 11.35  | ug/L | 98     |
| 48) STYRENE                    | 22.36 | 104  | 1076765  | 10.61  | ug/L | 98     |
| 49) 1,1,2,2-TETRACHLOROETHANE  | 23.37 | 83   | 220298   | 11.31  | ug/L | 99     |
| 51) BROMOFORM                  | 23.19 | 173  | 116310   | 8.54   | ug/L | 98     |
| 52) ISOPROPYLBENZENE           | 23.02 | 105  | 1747713  | 8.88   | ug/L | 100    |
| 53) 1,2,3-TRICHLOROPROPANE     | 23.71 | 110  | 61658    | 8.59   | ug/L | 98     |
| 54) N-PROPYLBENZENE            | 23.89 | 91   | 2317351  | 9.08   | ug/L | 99     |
| 55) BROMOBENZENE               | 24.11 | 156  | 350138   | 8.35   | ug/L | 93     |
| 56) 1,3,5-TRIMETHYLBENZENE     | 24.22 | 105  | 1537557  | 9.04   | ug/L | 96     |
| 57) 2-CHLOROTOLUENE            | 24.37 | 91   | 1581134  | 9.77   | ug/L | 99     |
| 58) 4-CHLOROTOLUENE            | 24.44 | 91   | 1369126  | 9.45   | ug/L | 97     |
| 59) TERT-BUTYLBENZENE          | 25.00 | 134  | 320489   | 8.82   | ug/L | 94     |
| 60) 1,2,4-TRIMETHYLBENZENE     | 25.09 | 105  | 1639560  | 9.29   | ug/L | 98     |
| 61) SEC-BUTYLBENZENE           | 25.44 | 105  | 2205885  | 9.32   | ug/L | 98     |
| 62) P-ISOPROPYLTOLUENE         | 25.72 | 119  | 1748637  | 9.20   | ug/L | 99     |
| 63) 1,3-DICHLOROBENZENE        | 26.06 | 146  | 833261   | 9.19   | ug/L | 99     |
| 64) 1,4-DICHLOROBENZENE        | 26.28 | 146  | 824266   | 9.09   | ug/L | 99     |
| 65) N-BUTYLBENZENE             | 26.60 | 91   | 1810862  | 9.96   | ug/L | 99     |
| 66) 1,2-DICHLOROBENZENE        | 27.11 | 146  | 698892   | 9.34   | ug/L | 99     |
| 67) 1,2-DIBROMO-3-CHLOROPROPAN | 28.77 | 157  | 35244    | 9.22   | ug/L | 99     |
| 68) NITROBENZENE               | 28.95 | 77   | 242570   | 153.90 | ug/L | 96     |
| 69) 1,2,4-TRICHLOROBENZENE     | 30.71 | 180  | 348721   | 8.41   | ug/L | 97     |
| 70) HEXACHLOROBUTADIENE        | 30.95 | 225  | 225375   | 8.94   | ug/L | 98     |
| 71) NAPHTHALENE                | 31.37 | 128  | 352598   | 7.71   | ug/L | 98     |
| 72) 1,2,3-TRICHLOROBENZENE     | 31.92 | 180  | 250991   | 8.25   | ug/L | 98     |

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

1213C10A.D HP121001.M Thu Dec 13 19:29:50 2001

Page 2

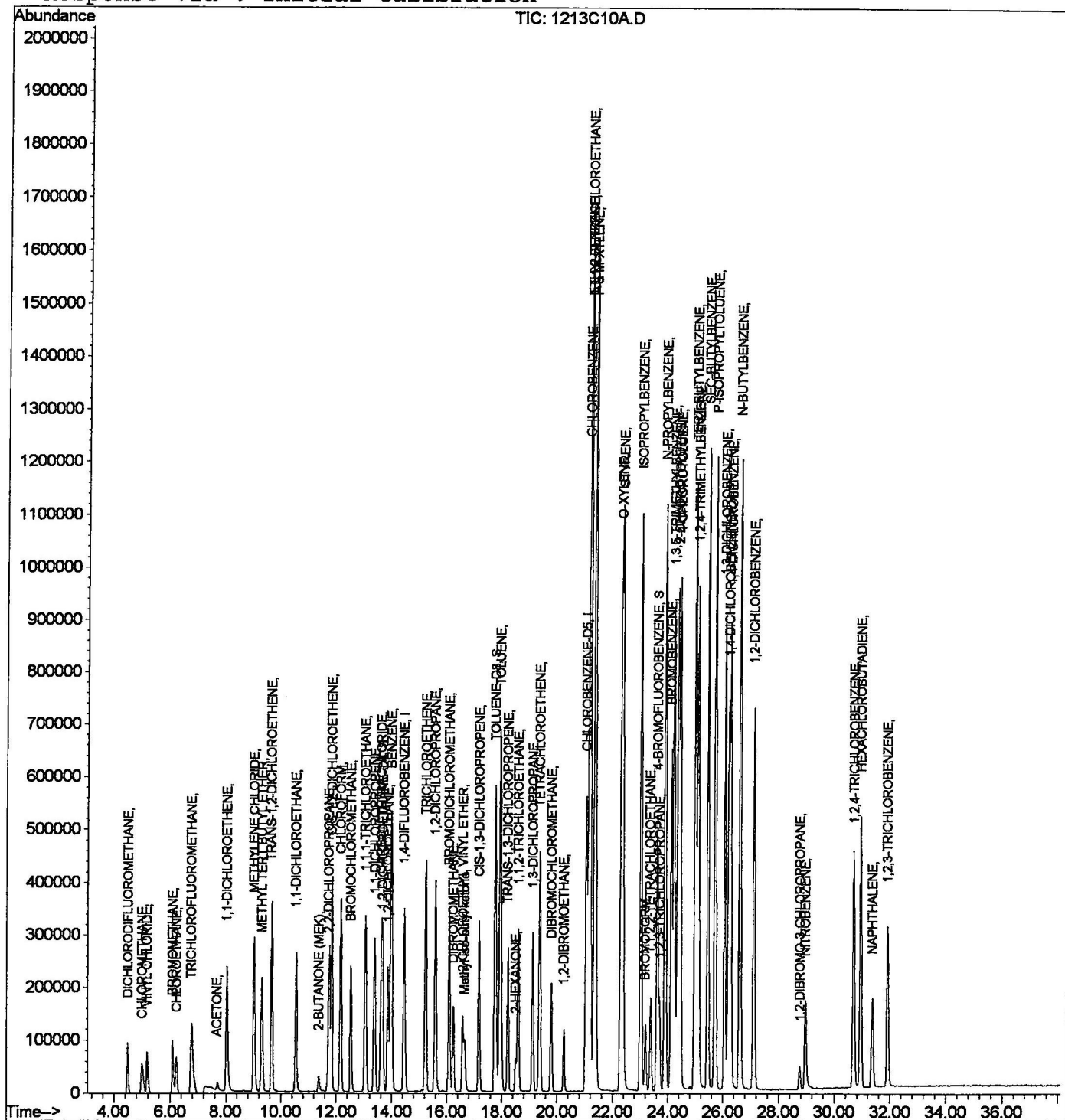
## Quantitation Report

Data File : C:\HPCHEM\1\DATA\01dec13\1213C10A.D  
 Acq On : 13 Dec 2001 6:51 pm  
 Sample : cal 10  
 Misc :  
 MS Integration Params: LSCINT.P  
 Quant Time: Dec 13 19:29 2001

Vial: 8  
 Operator: 206-BH  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Results File: HP121001.RES

Method : C:\HPCHEM\1\METHODS\HP121001.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Last Update : Wed Dec 12 08:39:32 2001  
 Response via : Initial Calibration





User: Huhn, William  
 Westchester Dept. of Labs & Research  
 Date: 12/17/2001 Time: 09:11:54

Sample: AD29562  
 Analysis: \$524 Volatile Organic Compounds  
 Units: ug  
 Started: 12/13/01 00:08 Ended: 12/13/01 00:08 Analyst: BH  
 Result source: a:\29562.rr  
 Page: 1

|    | Component Name                 | Viol  | Result | Qualifier | MDL |
|----|--------------------------------|-------|--------|-----------|-----|
| 1  | Surr - 1,2-DICHLOROETHANE      | USPEC | 5.6    |           | 0.5 |
| 2  | Surr - 4-BROMOFLUOROBENZ       |       | 4.3    |           | 0.5 |
| 3  | Dichlorodifluoromethane        |       | < MDL  |           | 0.5 |
| 4  | Chloromethane                  |       | < MDL  |           | 0.5 |
| 5  | Vinyl chloride                 |       | < MDL  |           | 0.5 |
| 6  | Bromomethane                   |       | < MDL  |           | 0.5 |
| 7  | Chloroethane                   |       | < MDL  |           | 0.5 |
| 8  | Trichlorofluoromethane         |       | < MDL  |           | 0.5 |
| 9  | 1,1-Dichloroethene             |       | < MDL  |           | 0.5 |
| 10 | Methylene Chloride             |       | < MDL  |           | 0.5 |
| 11 | Methyl tert-butyl ether (MTBE) |       | < MDL  |           | 1.0 |
| 12 | trans-1,2-dichloroethene       |       | < MDL  |           | 0.5 |
| 13 | 1,1-dichloroethane             |       | < MDL  |           | 0.5 |
| 14 | 2-butanone (MEK)               |       | < MDL  |           | 2.0 |
| 15 | 2,2-dichloropropane            |       | < MDL  |           | 0.5 |
| 16 | cis-1,2-dichloroethene         |       | < MDL  |           | 0.5 |
| 17 | *THM-Chloroform                |       | < MDL  |           | 0.5 |
| 18 | Bromochloromethane             |       | < MDL  |           | 0.5 |
| 19 | 1,2-dichloroethane             |       | < MDL  |           | 0.5 |
| 20 | Surr - TOLUENE-D8              |       | 5.4    |           | 0.5 |
| 21 | 1,1,1- trichloroethane         |       | < MDL  |           | 0.5 |
| 22 | 1,1-dichloropropene            |       | < MDL  |           | 0.5 |
| 23 | Carbon tetrachloride           |       | < MDL  |           | 0.5 |
| 24 | Benzene                        |       | < MDL  |           | 0.5 |
| 25 | Trichloroethene                |       | < MDL  |           | 0.5 |
| 26 | 1,2-dichloropropane            |       | < MDL  |           | 0.5 |
| 27 | Dibromomethane                 |       | < MDL  |           | 0.5 |
| 28 | *THM-Bromodichloromethane      |       | < MDL  |           | 0.5 |
| 29 | Methyl iso-butyl ketone (MIBK) |       | < MDL  |           | 1.0 |
| 30 | cis-1,3-dichloropropene        |       | < MDL  |           | 0.5 |
| 31 | Toluene                        |       | < MDL  |           | 0.5 |
| 32 | trans-1,3-dichloropropene      |       | < MDL  |           | 0.5 |
| 33 | 1,1,2-trichloroethane          |       | < MDL  |           | 0.5 |
| 34 | Tetrachloroethene              |       | < MDL  |           | 0.5 |
| 35 | 1,3-dichloropropane            |       | < MDL  |           | 0.5 |
| 36 | *THM-Dibromochloromethane      |       | < MDL  |           | 2.0 |
| 37 | Chlorobenzene                  |       | < MDL  |           | 0.5 |
| 38 | 1,1,1,2-tetrachloroethane      |       | < MDL  |           | 0.5 |
| 39 | Ethylbenzene                   |       | < MDL  |           | 0.5 |
| 40 | P & M-xylene                   |       | < MDL  |           | 0.5 |
| 41 | O-xylene                       |       | < MDL  |           | 0.5 |
| 42 | Styrene                        |       | < MDL  |           | 0.5 |
| 43 | 1,1,2,2-tetrachloroethane      |       | < MDL  |           | 0.5 |
| 44 | *THM-Bromoform                 |       | < MDL  |           | 2.0 |
| 45 | Isopropylbenzene               |       | < MDL  |           | 0.5 |
| 46 | 1,2,3-trichloropropane         |       | < MDL  |           | 0.5 |
| 47 | N-propylbenzene                |       | < MDL  |           | 0.5 |
| 48 | Bromobenzene                   |       | < MDL  |           | 0.5 |

|             |           |
|-------------|-----------|
| REVIEWED BY | <i>AN</i> |
| DATE        | 12/20/01  |



User: Huhn, William  
Westchester Dept. of Labs & Research  
Date: 12/17/2001 Time: 09:11:54

Sample: AD29562  
Analysis: \$524 Volatile Organic Compounds  
Units: ug  
Started: 12/13/01 00:08 Ended: 12/13/01 00:08 Analyst: BH  
Result source: a:\29562.rr  
Page: 2

|    | Component Name         | Viol | Result | Qualifier | MDL |
|----|------------------------|------|--------|-----------|-----|
| 49 | 1,3,5-trimethylbenzene |      | < MDL  |           | 0.5 |
| 50 | 2-chlorotoluene        |      | < MDL  |           | 0.5 |
| 51 | 4-chlorotoluene        |      | < MDL  |           | 0.5 |
| 52 | TERT-butylbenzene      |      | < MDL  |           | 0.5 |
| 53 | 1,2,4-trimethylbenzene |      | < MDL  |           | 0.5 |
| 54 | SEC-butylbenzene       |      | < MDL  |           | 0.5 |
| 55 | P-isopropyltoluene     |      | < MDL  |           | 0.5 |
| 56 | 1,3-dichlorobenzene    |      | < MDL  |           | 0.5 |
| 57 | 1,4-dichlorobenzene    |      | < MDL  |           | 0.5 |
| 58 | N-butylbenzene         |      | < MDL  |           | 0.5 |
| 59 | 1,2-dichlorobenzene    |      | < MDL  |           | 0.5 |
| 60 | 1,2,4-trichlorobenzene |      | < MDL  |           | 0.5 |
| 61 | Hexachlorobutadiene    |      | < MDL  |           | 0.5 |
| 62 | Naphthalene            |      | < MDL  |           | 0.5 |
| 63 | 1,2,3-trichlorobenzene |      | < MDL  |           | 0.5 |

Quantitation Report

(Not Reviewed)

Data File : C:\HPCHEM\1\DATA\01dec13\29562.D  
 Acq On : 13 Dec 2001 8:18 pm  
 Sample : nyc  
 Misc :  
 MS Integration Params: LSCINT.P  
 Quant Time: Dec 13 20:56 2001

Vial: 10  
 Operator: 206-BH  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Results File: HP121001.RES

Quant Method : C:\HPCHEM\1\METHODS\HP121001.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Last Update : Wed Dec 12 08:39:59 2001  
 Response via : Initial Calibration  
 DataAcq Meth : HP121001

| Internal Standards          | R.T.  | QIon | Response | Conc | Units   | Dev (Min) |
|-----------------------------|-------|------|----------|------|---------|-----------|
| 1) 1,4-DIFLUOROBENZENE      | 14.44 | 114  | 629725   | 5.00 | ug/L    | 0.09      |
| 22) CHLOROBENZENE-D5        | 21.05 | 117  | 640903   | 5.00 | ug/L    | 0.09      |
| 50) 1,4-DICHLOROBENZENE-D4  | 26.21 | 152  | 286214   | 5.00 | ug/L    | 0.10      |
| System Monitoring Compounds |       |      |          |      |         |           |
| 2) 1,2-DICHLOROETHANE-D4    | 13.67 | 65   | 270711   | 6.53 | ug/L    | 0.09      |
| Spiked Amount 5.000         |       |      | Recovery | =    | 130.60% |           |
| 3) 4-BROMOFLUOROBENZENE     | 23.62 | 174  | 207036   | 4.28 | ug/L    | 0.09      |
| Spiked Amount 5.000         |       |      | Recovery | =    | 85.60%  |           |
| 23) TOLUENE-D8              | 17.76 | 98   | 918025   | 5.40 | ug/L    | 0.09      |
| Spiked Amount 5.000         |       |      | Recovery | =    | 108.00% |           |
| Target Compounds            |       |      |          |      |         |           |
| 10) ACETONE                 | 7.70  | 43   | 28209    | 6.68 | ug/L    | 98        |
| 16) 2-BUTANONE (MEK)        | 11.42 | 43   | 5915     | 0.79 | ug/L    | 64        |

-----  
 (#) = qualifier out of range (m) = manual integration  
 29562.D HP121001.M Thu Dec 13 20:57:01 2001

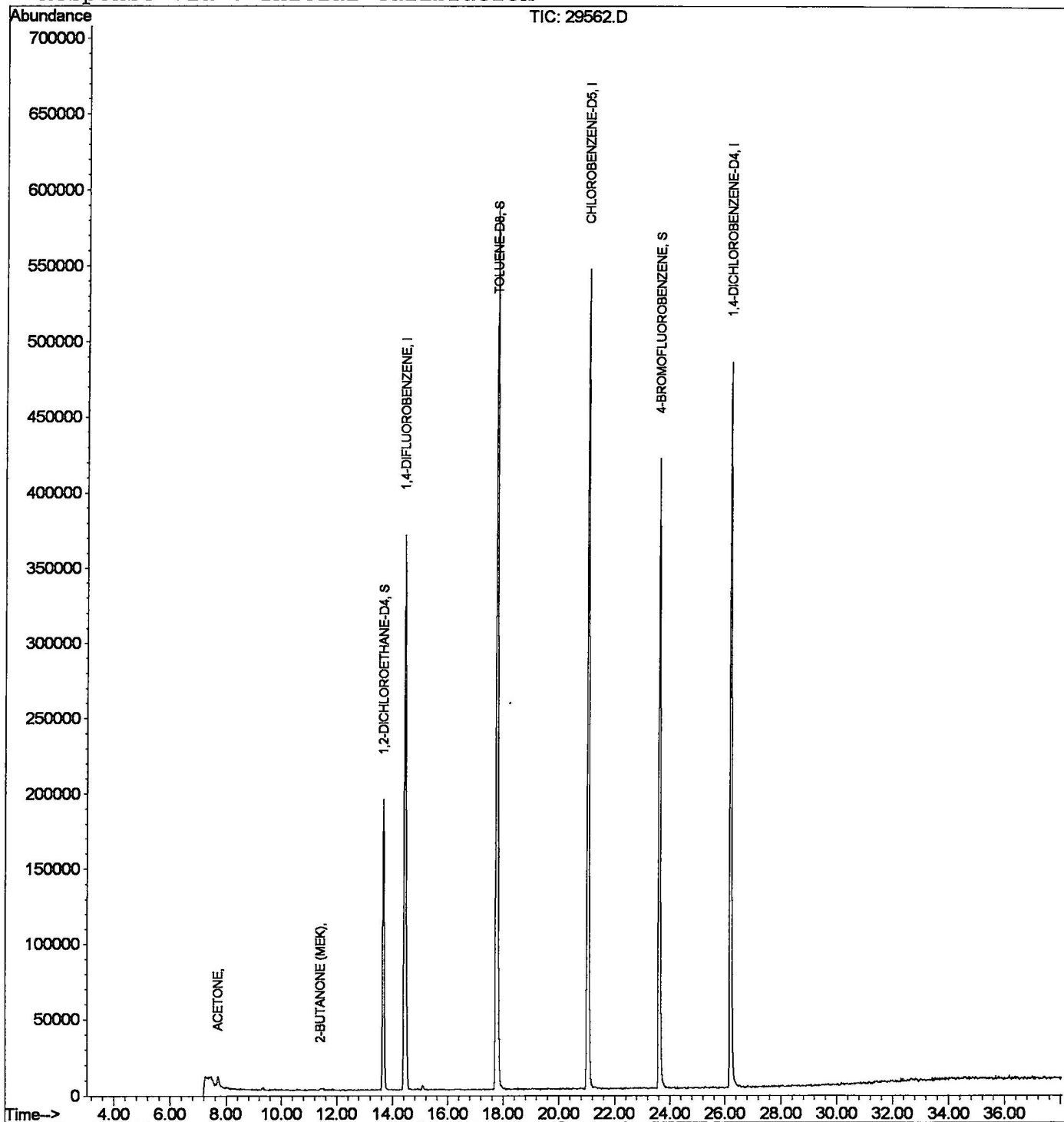
## Quantitation Report

Data File : C:\HPCHEM\1\DATA\01dec13\29562.D  
Acq On : 13 Dec 2001 8:18 pm  
Sample : nyc  
Misc :  
MS Integration Params: LSCINT.P  
Quant Time: Dec 13 20:56 2001

Vial: 10  
Operator: 206-BH  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Results File: HP121001.RES

Method : C:\HPCHEM\1\METHODS\HP121001.M (RTE Integrator)  
Title : VOCs BY EPA METHOD 524  
Last Update : Wed Dec 12 08:39:32 2001  
Response via : Initial Calibration



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\01dec13\29562.D  
 Acq On : 13 Dec 2001 8:18 pm  
 Sample : nyc  
 Misc :  
 MS Integration Params: LSCINT.P

Vial: 10  
 Operator: 206-BH  
 Inst : GC/MS Ins  
 Multiplr: 1.00

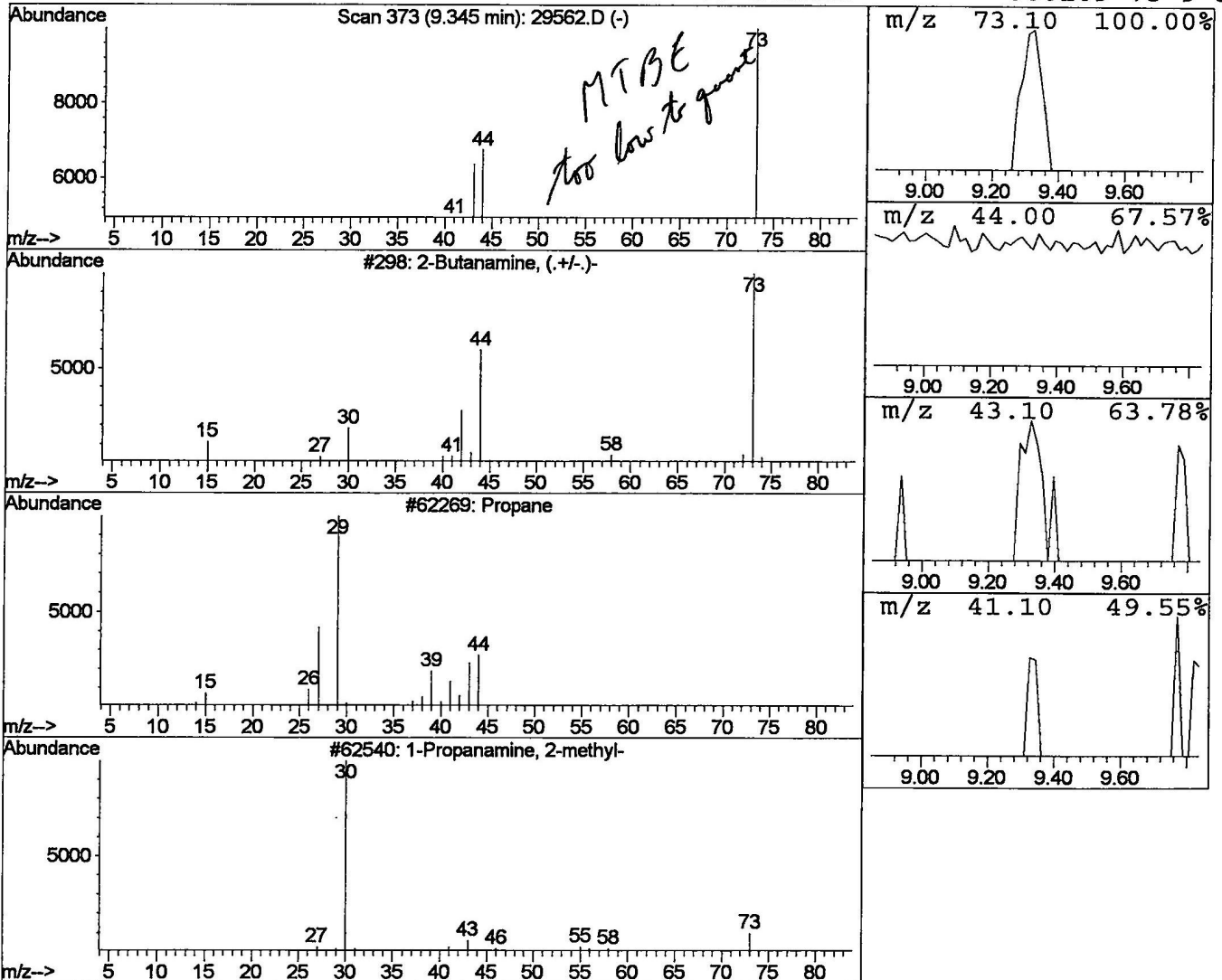
Quant Method : C:\HPCHEM\1\METHODS\HP121001.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 3 2-Butanamine, (./-.)- Concentration Rank 6

| R.T. | EstConc   | Area | Relative to ISTD    | R.T.  |
|------|-----------|------|---------------------|-------|
| 9.35 | 0.02 ug/L | 7525 | 1,4-DIFLUOROBENZENE | 14.44 |

| Hit# of | 5                        | Tentative ID | MW | MolForm | CAS#        | Qual |
|---------|--------------------------|--------------|----|---------|-------------|------|
| 1       | 2-Butanamine, (./-.)-    |              | 73 | C4H11N  | 033966-50-6 | 4    |
| 2       | Propane                  |              | 44 | C3H8    | 000074-98-6 | 4    |
| 3       | 1-Propanamine, 2-methyl- |              | 73 | C4H11N  | 000078-81-9 | 3    |
| 4       | 1-Butanamine             |              | 73 | C4H11N  | 000109-73-9 | 3    |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\01dec13\29562.D  
 Acq On : 13 Dec 2001 8:18 pm  
 Sample : nyc  
 Misc :  
 MS Integration Params: LSCINT.P

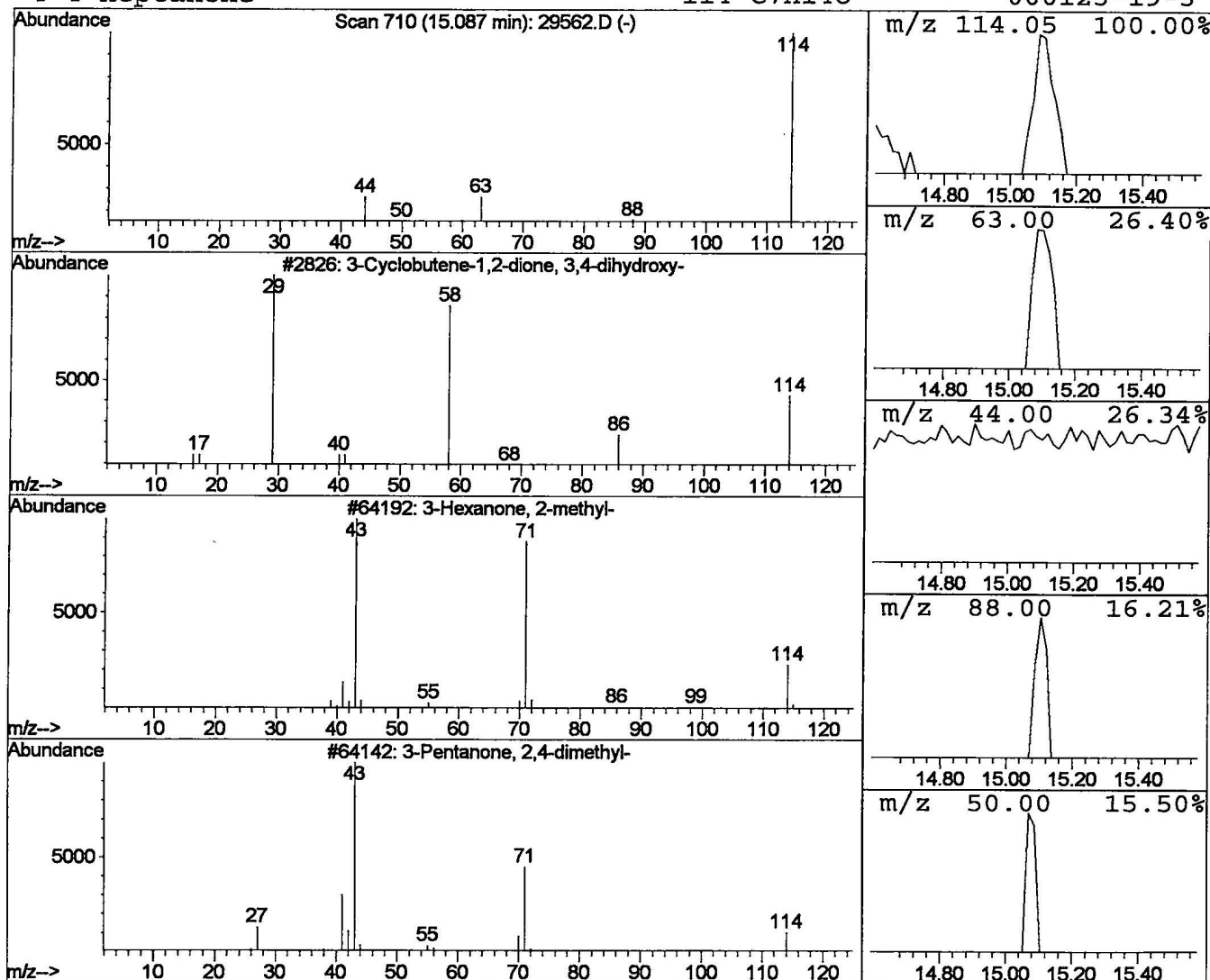
Vial: 10  
 Operator: 206-BH  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP121001.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 4 3-Cyclobutene-1,2-dione, 3,4-d Concentration Rank 3

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 15.09 | 0.04 ug/L | 14390 | 1,4-DIFLUOROBENZENE | 14.44 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 3-Cyclobutene-1,2-dione, 3,4-dihydr | 114 | C4H2O4  | 002892-51-5 | 4    |
| 2    |    |   | 3-Hexanone, 2-methyl-               | 114 | C7H14O  | 007379-12-6 | 4    |
| 3    |    |   | 3-Pentanone, 2,4-dimethyl-          | 114 | C7H14O  | 000565-80-0 | 3    |
| 4    |    |   | 4-Heptanone                         | 114 | C7H14O  | 000123-19-3 | 3    |



User: Huhn, William  
 Westchester Dept. of Labs & Research  
 Date: 12/17/2001 Time: 09:15:27

Sample: AD29563  
 Analysis: \$524 Volatile Organic Compounds  
 Units: ug  
 Started: 12/13/01 00:09 Ended: 12/13/01 00:09 Analyst: BH  
 Result source: a:\29563.rr  
 Page: 1

|    | Component Name                 | Viol | Result | Qualifier | MDL |
|----|--------------------------------|------|--------|-----------|-----|
| 1  | Surr - 1,2-DICHLOROETHANE-     |      | 6.5    |           | 0.5 |
| 2  | Surr - 4-BROMOFLUOROBENZ       |      | 4.2    |           | 0.5 |
| 3  | Dichlorodifluoromethane        |      | < MDL  |           | 0.5 |
| 4  | Chloromethane                  |      | < MDL  |           | 0.5 |
| 5  | Vinyl chloride                 |      | < MDL  |           | 0.5 |
| 6  | Bromomethane                   |      | < MDL  |           | 0.5 |
| 7  | Chloroethane                   |      | < MDL  |           | 0.5 |
| 8  | Trichlorofluoromethane         |      | < MDL  |           | 0.5 |
| 9  | 1,1-Dichloroethene             |      | < MDL  |           | 0.5 |
| 10 | Methylene Chloride             |      | < MDL  |           | 0.5 |
| 11 | Methyl tert-butyl ether (MTBE) |      | < MDL  |           | 1.0 |
| 12 | trans-1,2-dichloroethene       |      | < MDL  |           | 0.5 |
| 13 | 1,1-dichloroethane             |      | < MDL  |           | 0.5 |
| 14 | 2-butanone (MEK)               |      | < MDL  |           | 2.0 |
| 15 | 2,2-dichloropropane            |      | < MDL  |           | 0.5 |
| 16 | cis-1,2-dichloroethene         |      | < MDL  |           | 0.5 |
| 17 | *THM-Chloroform                |      | < MDL  |           | 0.5 |
| 18 | Bromochloromethane             |      | < MDL  |           | 0.5 |
| 19 | 1,2-dichloroethane             |      | < MDL  |           | 0.5 |
| 20 | Surr - TOLUENE-D8              |      | 5.3    |           | 0.5 |
| 21 | 1,1,1- trichloroethane         |      | < MDL  |           | 0.5 |
| 22 | 1,1-dichloropropene            |      | < MDL  |           | 0.5 |
| 23 | Carbon tetrachloride           |      | < MDL  |           | 0.5 |
| 24 | Benzene                        |      | < MDL  |           | 0.5 |
| 25 | Trichloroethene                |      | < MDL  |           | 0.5 |
| 26 | 1,2-dichloropropane            |      | < MDL  |           | 0.5 |
| 27 | Dibromomethane                 |      | < MDL  |           | 0.5 |
| 28 | *THM-Bromodichloromethane      |      | < MDL  |           | 0.5 |
| 29 | Methyl iso-butyl ketone (MIBK) |      | < MDL  |           | 1.0 |
| 30 | cis-1,3-dichloropropene        |      | < MDL  |           | 0.5 |
| 31 | Toluene                        |      | < MDL  |           | 0.5 |
| 32 | trans-1,3-dichloropropene      |      | < MDL  |           | 0.5 |
| 33 | 1,1,2-trichloroethane          |      | < MDL  |           | 0.5 |
| 34 | Tetrachloroethene              |      | < MDL  |           | 0.5 |
| 35 | 1,3-dichloropropane            |      | < MDL  |           | 0.5 |
| 36 | *THM-Dibromochloromethane      |      | < MDL  |           | 2.0 |
| 37 | Chlorobenzene                  |      | < MDL  |           | 0.5 |
| 38 | 1,1,1,2-tetrachloroethane      |      | < MDL  |           | 0.5 |
| 39 | Ethylbenzene                   |      | < MDL  |           | 0.5 |
| 40 | P & M-xylene                   |      | < MDL  |           | 0.5 |
| 41 | O-xylene                       |      | < MDL  |           | 0.5 |
| 42 | Styrene                        |      | < MDL  |           | 0.5 |
| 43 | 1,1,2,2-tetrachloroethane      |      | < MDL  |           | 0.5 |
| 44 | *THM-Bromoform                 |      | < MDL  |           | 2.0 |
| 45 | Isopropylbenzene               |      | < MDL  |           | 0.5 |
| 46 | 1,2,3-trichloropropane         |      | < MDL  |           | 0.5 |
| 47 | N-propylbenzene                |      | < MDL  |           | 0.5 |
| 48 | Bromobenzene                   |      | < MDL  |           | 0.5 |

REVIEWED BY AV  
 DATE 12/20/01  
12/20/01 AV

User: Huhn, William  
Westchester Dept. of Labs & Research  
Date: 12/17/2001 Time: 09:15:27

Sample: AD29563  
Analysis: \$524 Volatile Organic Compounds  
Units: ug  
Started: 12/13/01 00:09 Ended: 12/13/01 00:09 Analyst: BH  
Result source: a:\29563.rr  
Page: 2

|    | Component Name         | Viol | Result | Qualifier | MDL |
|----|------------------------|------|--------|-----------|-----|
| 49 | 1,3,5-trimethylbenzene |      | < MDL  |           | 0.5 |
| 50 | 2-chlorotoluene        |      | < MDL  |           | 0.5 |
| 51 | 4-chlorotoluene        |      | < MDL  |           | 0.5 |
| 52 | TERT-butylbenzene      |      | < MDL  |           | 0.5 |
| 53 | 1,2,4-trimethylbenzene |      | < MDL  |           | 0.5 |
| 54 | SEC-butylbenzene       |      | < MDL  |           | 0.5 |
| 55 | P-isopropyltoluene     |      | < MDL  |           | 0.5 |
| 56 | 1,3-dichlorobenzene    |      | < MDL  |           | 0.5 |
| 57 | 1,4-dichlorobenzene    |      | < MDL  |           | 0.5 |
| 58 | N-butylbenzene         |      | < MDL  |           | 0.5 |
| 59 | 1,2-dichlorobenzene    |      | < MDL  |           | 0.5 |
| 60 | 1,2,4-trichlorobenzene |      | < MDL  |           | 0.5 |
| 61 | Hexachlorobutadiene    |      | < MDL  |           | 0.5 |
| 62 | Naphthalene            |      | < MDL  |           | 0.5 |
| 63 | 1,2,3-trichlorobenzene |      | < MDL  |           | 0.5 |

## Quantitation Report

(Not Reviewed)

Data File : C:\HPCHEM\1\DATA\01dec13\29563.D

Vial: 11

Acq On : 13 Dec 2001 9:01 pm

Operator: 206-BH

Sample : nyc

Inst : GC/MS Ins

Misc :

Multiplr: 1.00

MS Integration Params: LSCINT.P

Quant Time: Dec 13 21:40 2001

Quant Results File: HP121001.RES

Quant Method : C:\HPCHEM\1\METHODS\HP121001.M (RTE Integrator)

Title : VOCs BY EPA METHOD 524

Last Update : Wed Dec 12 08:39:59 2001

Response via : Initial Calibration

DataAcq Meth : HP121001

| Internal Standards          | R.T.  | QIon | Response | Conc | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|------|---------|----------|
| 1) 1,4-DIFLUOROBENZENE      | 14.44 | 114  | 619997   | 5.00 | ug/L    | 0.09     |
| 22) CHLOROBENZENE-D5        | 21.05 | 117  | 626947   | 5.00 | ug/L    | 0.09     |
| 50) 1,4-DICHLOROBENZENE-D4  | 26.21 | 152  | 277506   | 5.00 | ug/L    | 0.10     |
| System Monitoring Compounds |       |      |          |      |         |          |
| 2) 1,2-DICHLOROETHANE-D4    | 13.67 | 65   | 263615   | 6.46 | ug/L    | 0.09     |
| Spiked Amount 5.000         |       |      | Recovery | =    | 129.20% |          |
| 3) 4-BROMOFLUOROBENZENE     | 23.62 | 174  | 198701   | 4.18 | ug/L    | 0.09     |
| Spiked Amount 5.000         |       |      | Recovery | =    | 83.60%  |          |
| 23) TOLUENE-D8              | 17.78 | 98   | 887424   | 5.34 | ug/L    | 0.10     |
| Spiked Amount 5.000         |       |      | Recovery | =    | 106.80% |          |
| Target Compounds            |       |      |          |      |         | Qvalue   |
| 10) ACETONE                 | 7.70  | 43   | 24617    | 5.92 | ug/L    | 100      |
| 16) 2-BUTANONE (MEK)        | 11.42 | 43   | 4738     | 0.64 | ug/L    | 64       |

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

29563.D HP121001.M Thu Dec 13 21:40:13 2001

Page 1



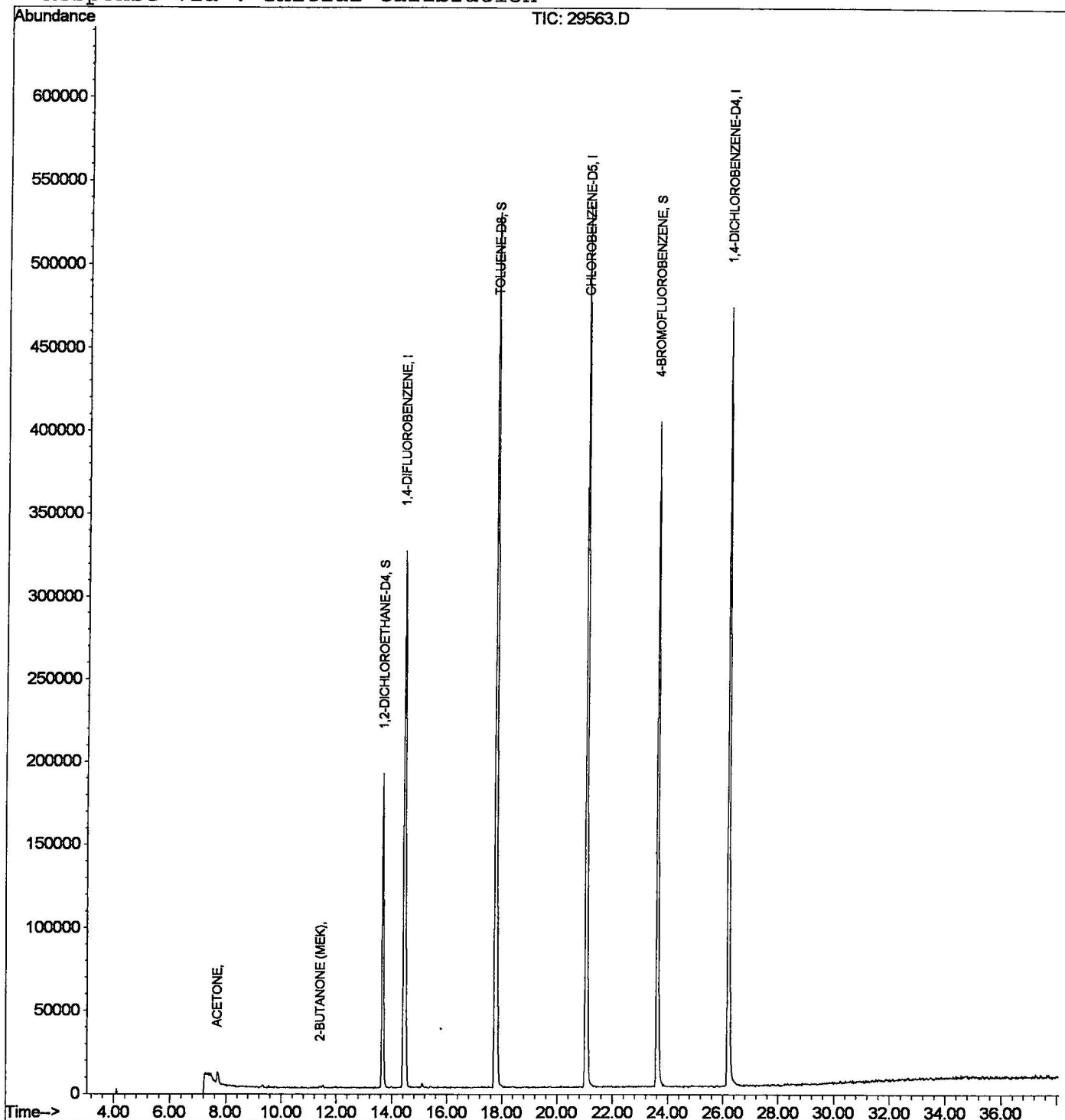
## Quantitation Report

Data File : C:\HPCHEM\1\DATA\01dec13\29563.D  
Acq On : 13 Dec 2001 9:01 pm  
Sample : nyc  
Misc :  
MS Integration Params: LSCINT.P  
Quant Time: Dec 13 21:40 2001

Vial: 11  
Operator: 206-BH  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Results File: HP121001.RES

Method : C:\HPCHEM\1\METHODS\HP121001.M (RTE Integrator)  
Title : VOCs BY EPA METHOD 524  
Last Update : Wed Dec 12 08:39:32 2001  
Response via : Initial Calibration



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\01dec13\29563.D  
 Acq On : 13 Dec 2001 9:01 pm  
 Sample : nyc  
 Misc :  
 MS Integration Params: LSCINT.P

Vial: 11  
 Operator: 206-BH  
 Inst : GC/MS Ins  
 Multiplr: 1.00

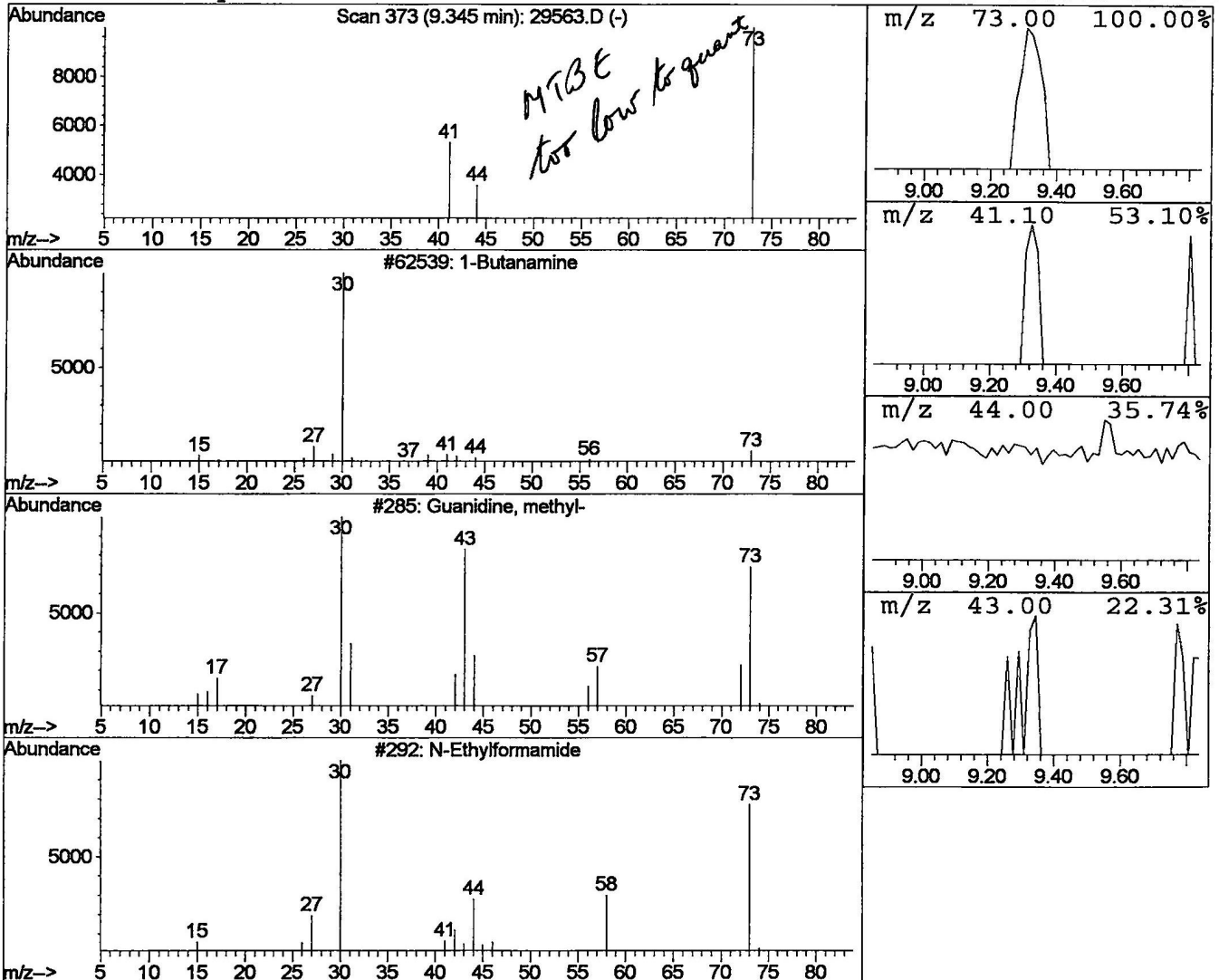
Quant Method : C:\HPCHEM\1\METHODS\HP121001.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 3 1-Butanamine Concentration Rank 6

| R.T. | EstConc   | Area | Relative to ISTD    | R.T.  |
|------|-----------|------|---------------------|-------|
| 9.34 | 0.02 ug/L | 5649 | 1,4-DIFLUOROBENZENE | 14.44 |

| Hit# | of | Tentative ID       | MW | MolForm | CAS#        | Qual |
|------|----|--------------------|----|---------|-------------|------|
| 1    | 5  | 1-Butanamine       | 73 | C4H11N  | 000109-73-9 | 4    |
| 2    |    | Guanidine, methyl- | 73 | C2H7N3  | 000471-29-4 | 4    |
| 3    |    | N-Ethylformamide   | 73 | C3H7NO  | 000627-45-2 | 4    |
| 4    |    | Acetaldehyde       | 44 | C2H4O   | 000075-07-0 | 3    |



# Library Search Compound Report

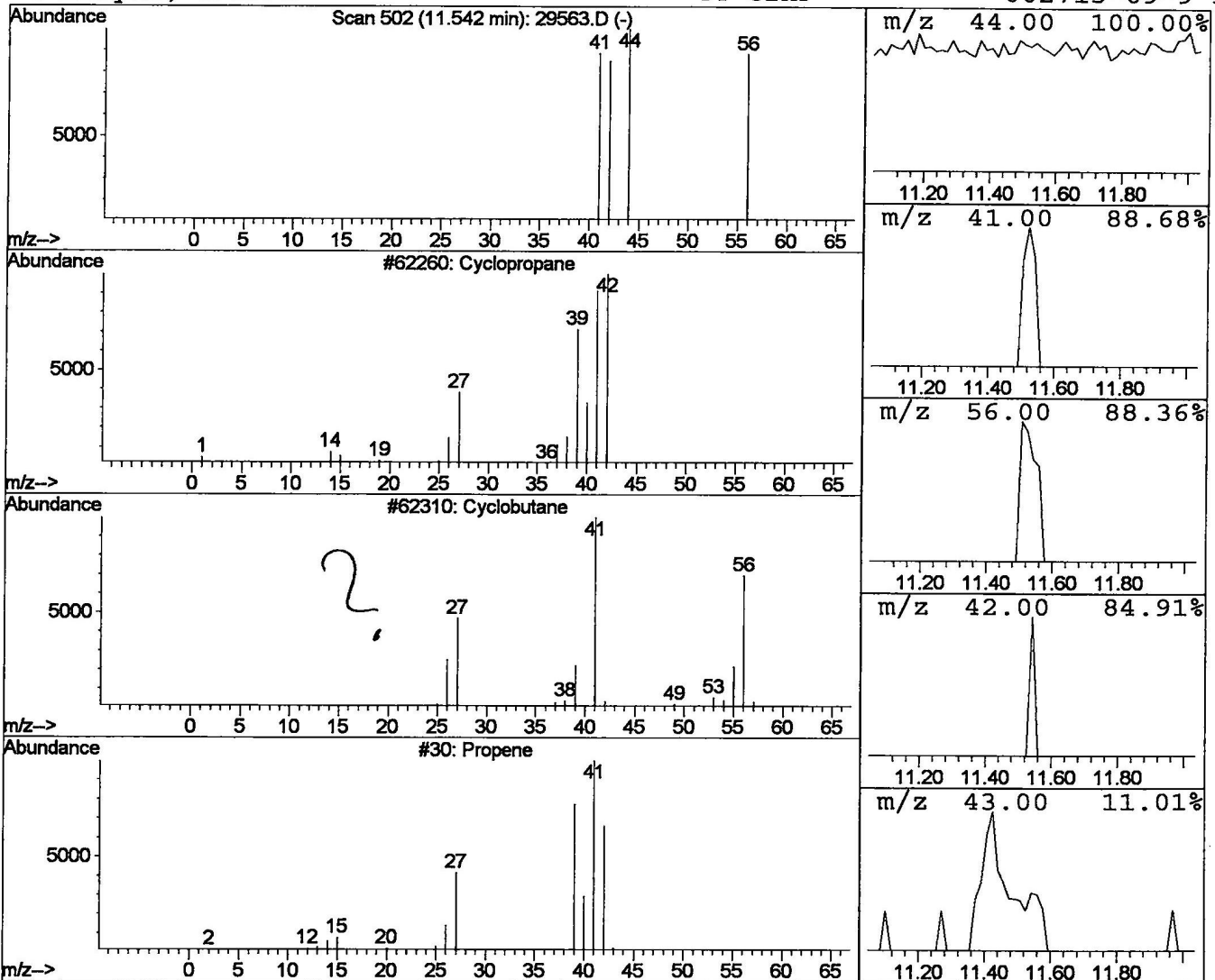
Data File : C:\HPCHEM\1\DATA\01dec13\29563.D  
 Acq On : 13 Dec 2001 9:01 pm  
 Sample : nyc  
 Misc :  
 MS Integration Params: LSCINT.P

Vial: 11  
 Operator: 206-BH  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP121001.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 4 Cyclopropane Concentration Rank 5

| R.T.    | EstConc   | Area            | Relative to ISTD    | R.T.    |             |      |
|---------|-----------|-----------------|---------------------|---------|-------------|------|
| 11.54   | 0.02 ug/L | 6412            | 1,4-DIFLUOROBENZENE | 14.44   |             |      |
| Hit# of | 5         | Tentative ID    | MW                  | MolForm | CAS#        | Qual |
| 1       |           | Cyclopropane    | 42                  | C3H6    | 000075-19-4 | 4    |
| 2       |           | Cyclobutane     | 56                  | C4H8    | 000287-23-0 | 4    |
| 3       |           | Propene         | 42                  | C3H6    | 000115-07-1 | 4    |
| 4       |           | Ethyne, fluoro- | 44                  | C2HF    | 002713-09-9 | 3    |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\01dec13\29563.D  
 Acq On : 13 Dec 2001 9:01 pm  
 Sample : nyc  
 Misc :  
 MS Integration Params: LSCINT.P

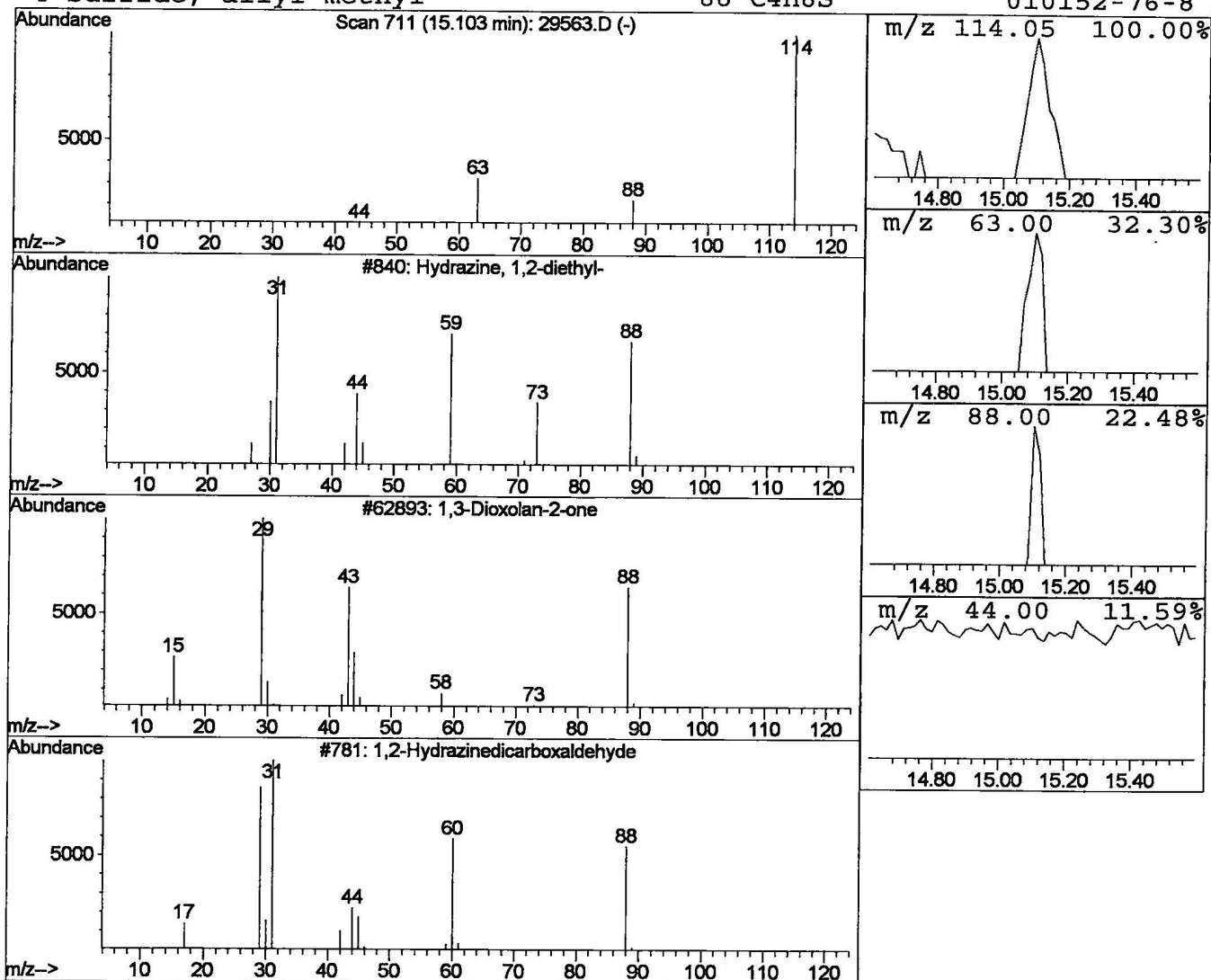
Vial: 11  
 Operator: 206-BH  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP121001.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 5 Hydrazine, 1,2-diethyl- Concentration Rank 3

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 15.10 | 0.03 ug/L | 10931 | 1,4-DIFLUOROBENZENE | 14.44 |

| Hit# of | Tentative ID                  | MW | MolForm  | CAS#        | Qual |
|---------|-------------------------------|----|----------|-------------|------|
| 1       | Hydrazine, 1,2-diethyl-       | 88 | C4H12N2  | 001615-80-1 | 4    |
| 2       | 1,3-Dioxolan-2-one            | 88 | C3H4O3   | 000096-49-1 | 4    |
| 3       | 1,2-Hydrazinedicarboxaldehyde | 88 | C2H4N2O2 | 000628-36-4 | 4    |
| 4       | Sulfide, allyl methyl         | 88 | C4H8S    | 010152-76-8 | 3    |



User: Huhn, William  
 Westchester Dept. of Labs & Research  
 Date: 12/17/2001 Time: 09:17:21

Sample: AD29564

Analysis: \$524 Volatile Organic Compounds

Units: ug

Started: 12/13/01 00:09 Ended: 12/13/01 00:09 Analyst: BH

Result source: a:\29564.rr

Page: 1

|    | Component Name                 | Viol  | Result | Qualifier | MDL |
|----|--------------------------------|-------|--------|-----------|-----|
| 1  | Surr - 1,2-DICHLOROETHANE      | USPEC | 6.8    |           | 0.5 |
| 2  | Surr - 4-BROMOFLUOROBENZ       |       | 4.3    |           | 0.5 |
| 3  | Dichlorodifluoromethane        |       | < MDL  |           | 0.5 |
| 4  | Chloromethane                  |       | < MDL  |           | 0.5 |
| 5  | Vinyl chloride                 |       | < MDL  |           | 0.5 |
| 6  | Bromomethane                   |       | < MDL  |           | 0.5 |
| 7  | Chloroethane                   |       | < MDL  |           | 0.5 |
| 8  | Trichlorofluoromethane         |       | < MDL  |           | 0.5 |
| 9  | 1,1-Dichloroethene             |       | < MDL  |           | 0.5 |
| 10 | Methylene Chloride             |       | < MDL  |           | 0.5 |
| 11 | Methyl tert-butyl ether (MTBE) |       | < MDL  |           | 1.0 |
| 12 | trans-1,2-dichloroethene       |       | < MDL  |           | 0.5 |
| 13 | 1,1-dichloroethane             |       | < MDL  |           | 0.5 |
| 14 | 2-butanone (MEK)               |       | < MDL  |           | 2.0 |
| 15 | 2,2-dichloropropane            |       | < MDL  |           | 0.5 |
| 16 | cis-1,2-dichloroethene         |       | < MDL  |           | 0.5 |
| 17 | *THM-Chloroform                |       | < MDL  |           | 0.5 |
| 18 | Bromochloromethane             |       | < MDL  |           | 0.5 |
| 19 | 1,2-dichloroethane             |       | < MDL  |           | 0.5 |
| 20 | Surr - TOLUENE-D8              |       | 5.4    |           | 0.5 |
| 21 | 1,1,1- trichloroethane         |       | < MDL  |           | 0.5 |
| 22 | 1,1-dichloropropene            |       | < MDL  |           | 0.5 |
| 23 | Carbon tetrachloride           |       | < MDL  |           | 0.5 |
| 24 | Benzene                        |       | < MDL  |           | 0.5 |
| 25 | Trichloroethene                |       | < MDL  |           | 0.5 |
| 26 | 1,2-dichloropropane            |       | < MDL  |           | 0.5 |
| 27 | Dibromomethane                 |       | < MDL  |           | 0.5 |
| 28 | *THM-Bromodichloromethane      |       | < MDL  |           | 0.5 |
| 29 | Methyl iso-butyl ketone (MIBK) |       | < MDL  |           | 1.0 |
| 30 | cis-1,3-dichloropropene        |       | < MDL  |           | 0.5 |
| 31 | Toluene                        |       | < MDL  |           | 0.5 |
| 32 | trans-1,3-dichloropropene      |       | < MDL  |           | 0.5 |
| 33 | 1,1,2-trichloroethane          |       | < MDL  |           | 0.5 |
| 34 | Tetrachloroethene              |       | < MDL  |           | 0.5 |
| 35 | 1,3-dichloropropane            |       | < MDL  |           | 0.5 |
| 36 | *THM-Dibromochloromethane      |       | < MDL  |           | 2.0 |
| 37 | Chlorobenzene                  |       | < MDL  |           | 0.5 |
| 38 | 1,1,1,2-tetrachloroethane      |       | < MDL  |           | 0.5 |
| 39 | Ethylbenzene                   |       | < MDL  |           | 0.5 |
| 40 | P & M-xylene                   |       | < MDL  |           | 0.5 |
| 41 | O-xylene                       |       | < MDL  |           | 0.5 |
| 42 | Styrene                        |       | < MDL  |           | 0.5 |
| 43 | 1,1,2,2-tetrachloroethane      |       | < MDL  |           | 0.5 |
| 44 | *THM-Bromoform                 |       | < MDL  |           | 2.0 |
| 45 | Isopropylbenzene               |       | < MDL  |           | 0.5 |
| 46 | 1,2,3-trichloropropane         |       | < MDL  |           | 0.5 |
| 47 | N-propylbenzene                |       | < MDL  |           | 0.5 |
| 48 | Bromobenzene                   |       | < MDL  |           | 0.5 |

570 ↑

REVIEWED BY AN  
 DATE 12/20/01

User: Huhn, William  
Westchester Dept. of Labs & Research  
Date: 12/17/2001 Time: 09:17:21

Sample: AD29564  
Analysis: \$524 Volatile Organic Compounds  
Units: ug  
Started: 12/13/01 00:09 Ended: 12/13/01 00:09 Analyst: BH  
Result source: a:\29564.rr  
Page: 2

|    | Component Name         | Viol | Result | Qualifier | MDL |
|----|------------------------|------|--------|-----------|-----|
| 49 | 1,3,5-trimethylbenzene |      | < MDL  |           | 0.5 |
| 50 | 2-chlorotoluene        |      | < MDL  |           | 0.5 |
| 51 | 4-chlorotoluene        |      | < MDL  |           | 0.5 |
| 52 | TERT-butylbenzene      |      | < MDL  |           | 0.5 |
| 53 | 1,2,4-trimethylbenzene |      | < MDL  |           | 0.5 |
| 54 | SEC-butylbenzene       |      | < MDL  |           | 0.5 |
| 55 | P-isopropyltoluene     |      | < MDL  |           | 0.5 |
| 56 | 1,3-dichlorobenzene    |      | < MDL  |           | 0.5 |
| 57 | 1,4-dichlorobenzene    |      | < MDL  |           | 0.5 |
| 58 | N-butylbenzene         |      | < MDL  |           | 0.5 |
| 59 | 1,2-dichlorobenzene    |      | < MDL  |           | 0.5 |
| 60 | 1,2,4-trichlorobenzene |      | < MDL  |           | 0.5 |
| 61 | Hexachlorobutadiene    |      | < MDL  |           | 0.5 |
| 62 | Naphthalene            |      | < MDL  |           | 0.5 |
| 63 | 1,2,3-trichlorobenzene |      | < MDL  |           | 0.5 |

**Comments for Sample AD29564 - Analysis \$524**

Westchester Dept. of Labs & Research

User: Vannelli, Sandy

Date: 12-20-2001 Time: 15:16:44

ONE OF THREE SURROGATES IS 5% ABOVE THE UCL.

Quantitation Report

(Not Reviewed)

Data File : C:\HPCHEM\1\DATA\01dec13\29564.D  
 Acq On : 13 Dec 2001 9:44 pm  
 Sample : nyc  
 Misc :  
 MS Integration Params: LSCINT.P  
 Quant Time: Dec 13 22:23 2001

Vial: 12  
 Operator: 206-BH  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Results File: HP121001.RES

Quant Method : C:\HPCHEM\1\METHODS\HP121001.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Last Update : Wed Dec 12 08:39:59 2001  
 Response via : Initial Calibration  
 DataAcq Meth : HP121001

| Internal Standards          | R.T.  | QIon | Response | Conc | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|------|---------|----------|
| 1) 1,4-DIFLUOROBENZENE      | 14.46 | 114  | 578400   | 5.00 | ug/L    | 0.10     |
| 22) CHLOROBENZENE-D5        | 21.05 | 117  | 599334   | 5.00 | ug/L    | 0.09     |
| 50) 1,4-DICHLOROBENZENE-D4  | 26.21 | 152  | 266196   | 5.00 | ug/L    | 0.10     |
| System Monitoring Compounds |       |      |          |      |         |          |
| 2) 1,2-DICHLOROETHANE-D4    | 13.67 | 65   | 257269   | 6.75 | ug/L    | 0.09     |
| Spiked Amount 5.000         |       |      | Recovery | =    | 135.00% |          |
| 3) 4-BROMOFLUOROBENZENE     | 23.62 | 174  | 189819   | 4.28 | ug/L    | 0.09     |
| Spiked Amount 5.000         |       |      | Recovery | =    | 85.60%  |          |
| 23) TOLUENE-D8              | 17.78 | 98   | 855285   | 5.38 | ug/L    | 0.10     |
| Spiked Amount 5.000         |       |      | Recovery | =    | 107.60% |          |
| Target Compounds            |       |      |          |      |         | Qvalue   |
| 10) ACETONE                 | 7.70  | 43   | 15443    | 3.98 | ug/L    | 98       |
| 16) 2-BUTANONE (MEK)        | 11.44 | 43   | 3467     | 0.51 | ug/L    | 64       |

-----  
 (#) = qualifier out of range (m) = manual integration  
 29564.D HP121001.M Thu Dec 13 22:23:35 2001



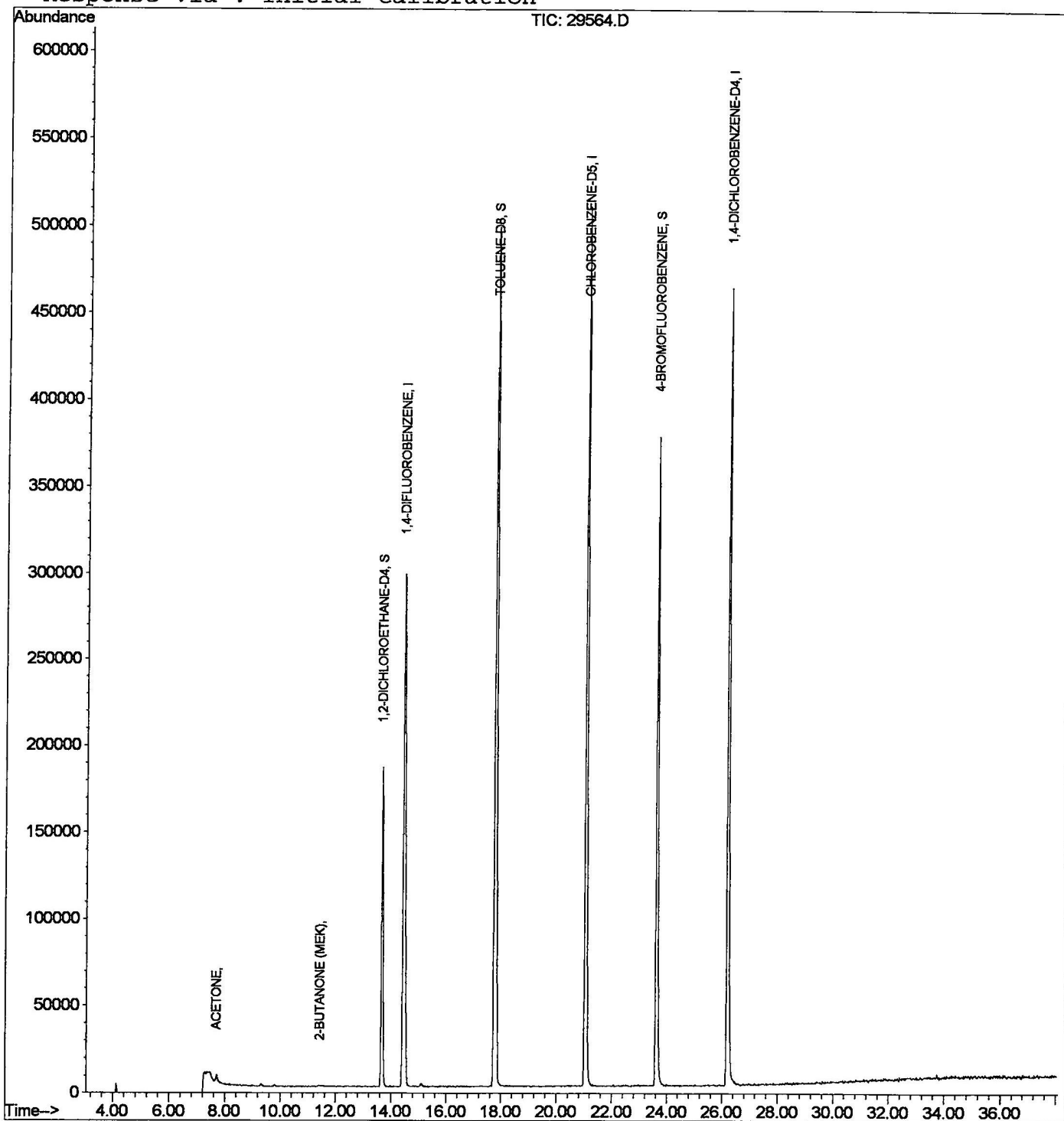
# Quantitation Report

Data File : C:\HPCHEM\1\DATA\01dec13\29564.D  
 Acq On : 13 Dec 2001 9:44 pm  
 Sample : nyc  
 Misc :  
 MS Integration Params: LSCINT.P  
 Quant Time: Dec 13 22:23 2001

Vial: 12  
 Operator: 206-BH  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Results File: HP121001.RES

Method : C:\HPCHEM\1\METHODS\HP121001.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Last Update : Wed Dec 12 08:39:32 2001  
 Response via : Initial Calibration



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\01dec13\29564.D  
 Acq On : 13 Dec 2001 9:44 pm  
 Sample : nyc  
 Misc :  
 MS Integration Params: LSCINT.P

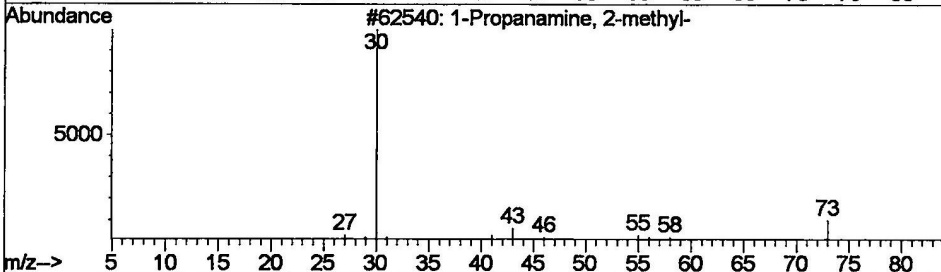
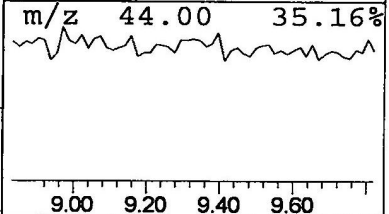
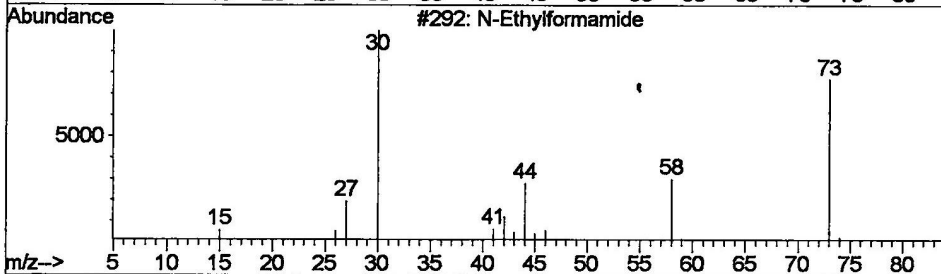
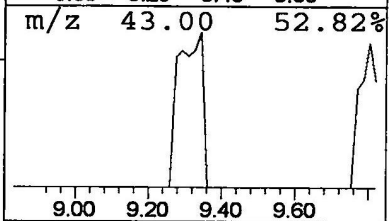
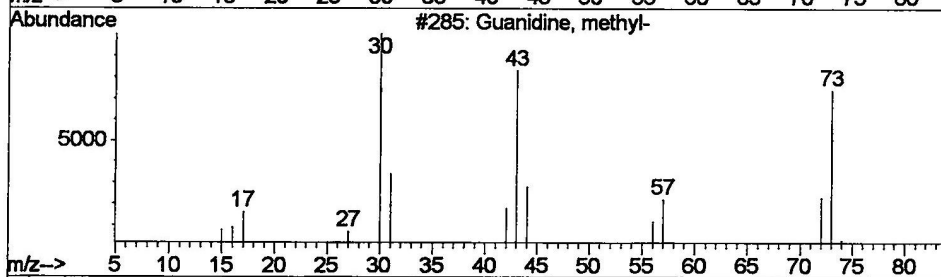
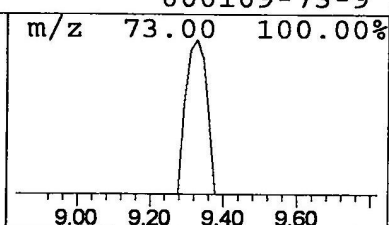
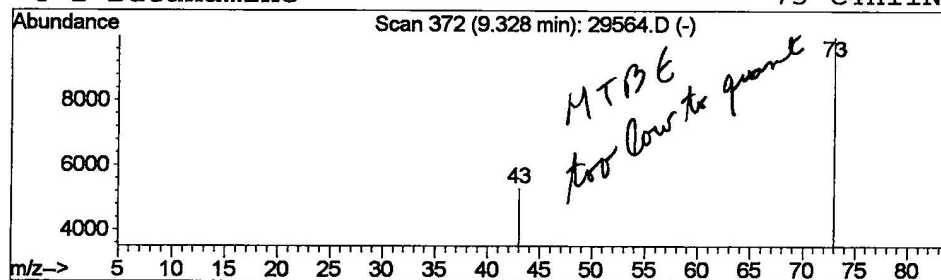
Vial: 12  
 Operator: 206-BH  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP121001.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 3 Guanidine, methyl- Concentration Rank 5

| R.T. | EstConc   | Area | Relative to ISTD    | R.T.  |
|------|-----------|------|---------------------|-------|
| 9.33 | 0.02 ug/L | 5166 | 1,4-DIFLUOROBENZENE | 14.46 |

| Hit# | of | Tentative ID             | MW | MolForm | CAS#        | Qual |
|------|----|--------------------------|----|---------|-------------|------|
| 1    | 5  | Guanidine, methyl-       | 73 | C2H7N3  | 000471-29-4 | 4    |
| 2    |    | N-Ethylformamide         | 73 | C3H7NO  | 000627-45-2 | 4    |
| 3    |    | 1-Propanamine, 2-methyl- | 73 | C4H11N  | 000078-81-9 | 3    |
| 4    |    | 1-Butanamine             | 73 | C4H11N  | 000109-73-9 | 3    |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\01dec13\29564.D  
 Acq On : 13 Dec 2001 9:44 pm  
 Sample : nyc  
 Misc :  
 MS Integration Params: LSCINT.P

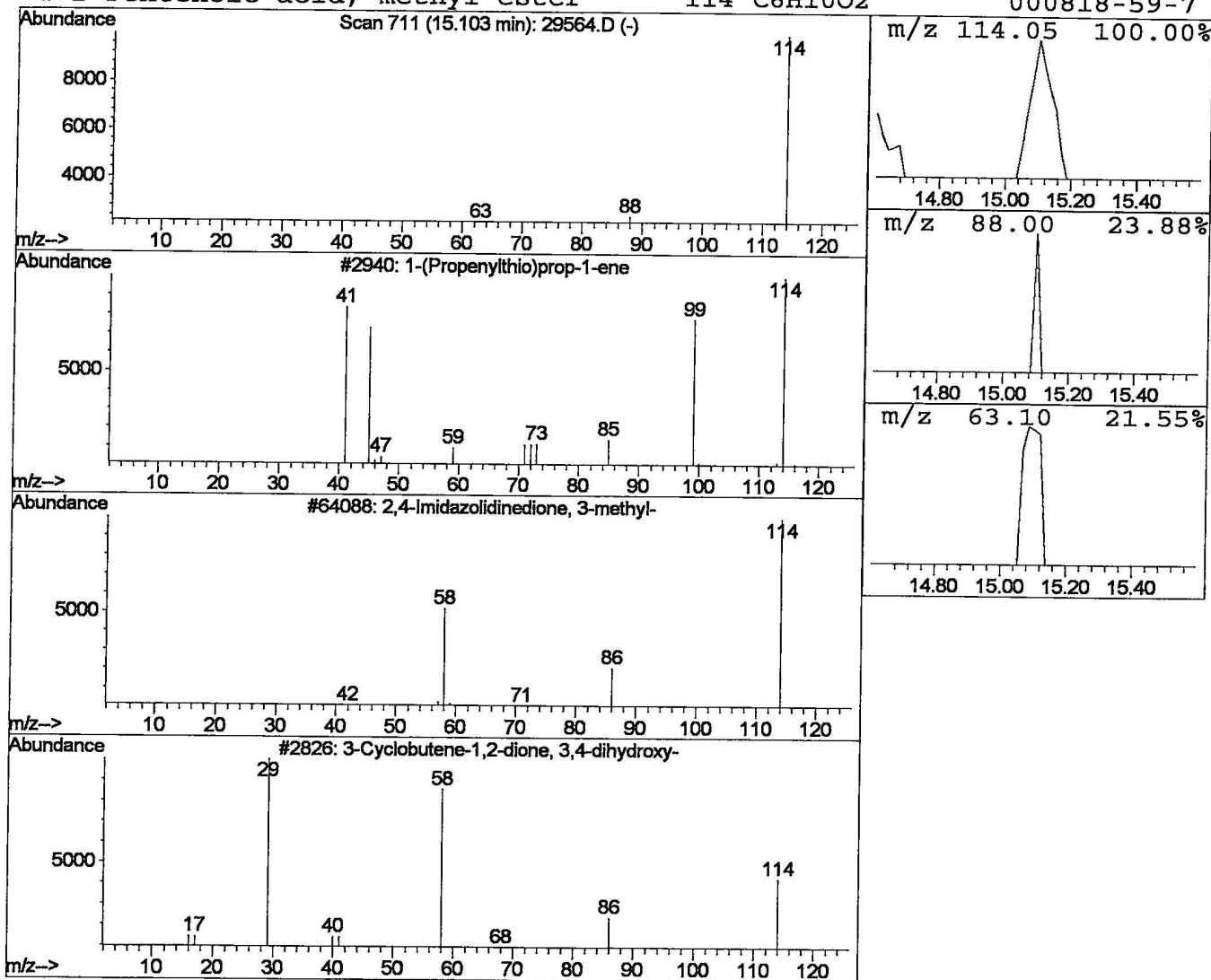
Vial: 12  
 Operator: 206-BH  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP121001.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 4 1-(Propenylthio)prop-1-ene Concentration Rank 3

| R.T.  | EstConc   | Area | Relative to ISTD    | R.T.  |
|-------|-----------|------|---------------------|-------|
| 15.10 | 0.02 ug/L | 6149 | 1,4-DIFLUOROBENZENE | 14.46 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 1-(Propenylthio)prop-1-ene          | 114 | C6H10S   | 000000-00-0 | 3    |
| 2    |    | 2,4-Imidazolidinedione, 3-methyl-   | 114 | C4H6N2O2 | 006843-45-4 | 3    |
| 3    |    | 3-Cyclobutene-1,2-dione, 3,4-dihydr | 114 | C4H2O4   | 002892-51-5 | 2    |
| 4    |    | 2-Pentenoic acid, methyl ester      | 114 | C6H10O2  | 000818-59-7 | 2    |



User: Huhn, William  
 Westchester Dept. of Labs & Research  
 Date: 12/17/2001 Time: 09:22:01

Sample: AD29463

Analysis: \$P\_524 Duplicate calculation for 524

Units: ug

Started: 12/13/01 00:04 Ended: 12/13/01 00:04 Analyst: BH

Result source: calculation

Page: 1

|    | Component Name             | Viol | Result |
|----|----------------------------|------|--------|
| 1  | Surr - 1,2-DICHLOROETHANE- |      | 0.70   |
| 2  | Surr - 4-BROMOFLUOROBENZ   |      | 0.10   |
| 3  | DICHLORODIFLUOROMETHAN     |      | < MDL  |
| 4  | CHLOROMETHANE              |      | < MDL  |
| 5  | VINYL CHLORIDE             |      | < MDL  |
| 6  | BROMOMETHANE               |      | < MDL  |
| 7  | CHLOROETHANE               |      | < MDL  |
| 8  | TRICHLOROFLUOROMETHAN      |      | < MDL  |
| 9  | 1,1-DICHLOROETHENE         |      | < MDL  |
| 10 | METHYLENE CHLORIDE         |      | < MDL  |
| 11 | METHYL TERT-BUTYL ETHER    |      | < MDL  |
| 12 | TRANS-1,2-DICHLOROETHEN    |      | < MDL  |
| 13 | 1,1-DICHLOROETHANE         |      | < MDL  |
| 14 | 2-BUTANONE (MEK)           |      | < MDL  |
| 15 | 2,2-DICHLOROPROPANE        |      | < MDL  |
| 16 | CIS-1,2-DICHLOROETHENE     |      | < MDL  |
| 17 | *THM-CHLOROFORM            |      | < MDL  |
| 18 | BROMOCHLOROMETHANE         |      | < MDL  |
| 19 | 1,2-DICHLOROETHANE         |      | < MDL  |
| 20 | Surr - TOLUENE-D8          |      | 0.20   |
| 21 | 1,1,1- TRICHLOROETHANE     |      | < MDL  |
| 22 | 1,1-DICHLOROPROPENE        |      | < MDL  |
| 23 | CARBON TETRACHLORIDE       |      | < MDL  |
| 24 | BENZENE                    |      | < MDL  |
| 25 | TRICHLOROETHENE            |      | < MDL  |
| 26 | 1,2-DICHLOROPROPANE        |      | < MDL  |
| 27 | DIBROMOMETHANE             |      | < MDL  |
| 28 | *THM-BROMODICHLOROMET      |      | < MDL  |
| 29 | METHYL ISO-BUTYL KETONE    |      | < MDL  |
| 30 | CIS-1,3-DICHLOROPROPENE    |      | < MDL  |
| 31 | TOLUENE                    |      | < MDL  |
| 32 | TRANS-1,3-DICHLOROPROPE    |      | < MDL  |
| 33 | 1,1,2-TRICHLOROETHANE      |      | < MDL  |
| 34 | TETRACHLOROETHENE          |      | < MDL  |
| 35 | 1,3-DICHLOROPROPANE        |      | < MDL  |
| 36 | *THM-DIBROMOCHLOROMET      |      | < MDL  |
| 37 | 1,2-DIBROMOETHANE          |      | < MDL  |
| 38 | CHLOROBENZENE              |      | < MDL  |
| 39 | 1,1,1,2-TETRACHLOROETHA    |      | < MDL  |
| 40 | 2-HEXANONE                 |      | < MDL  |
| 41 | ETHYLBENZENE               |      | < MDL  |
| 42 | P & M-XYLENE               |      | < MDL  |
| 43 | O-XYLENE                   |      | < MDL  |
| 44 | STYRENE                    |      | < MDL  |
| 45 | 1,1,2,2-TETRACHLOROETHA    |      | < MDL  |
| 46 | *THM-BROMOFORM             |      | < MDL  |
| 47 | ISOPROPYLBENZENE           |      | < MDL  |
| 48 | 1,2,3-TRICHLOROPROPANE     |      | < MDL  |

User: Huhn, William  
Westchester Dept. of Labs & Research  
Date: 12/17/2001 Time: 09:22:01

Sample: AD29463

Analysis: \$P\_524 Duplicate calculation for 524

Units: ug

Started: 12/13/01 00:04 Ended: 12/13/01 00:04 Analyst: BH

Result source: calculation

Page: 2

|    | Component Name          | Viol | Result |
|----|-------------------------|------|--------|
| 49 | N-PROPYLBENZENE         |      | < MDL  |
| 50 | BROMOBENZENE            |      | < MDL  |
| 51 | 1,3,5-TRIMETHYLBENZENE  |      | < MDL  |
| 52 | 2-CHLOROTOLUENE         |      | < MDL  |
| 53 | 4-CHLOROTOLUENE         |      | < MDL  |
| 54 | TERT-BUTYLBENZENE       |      | < MDL  |
| 55 | 1,2,4-TRIMETHYLBENZENE  |      | < MDL  |
| 56 | SEC-BUTYLBENZENE        |      | < MDL  |
| 57 | P-ISOPROPYLTOLUENE      |      | < MDL  |
| 58 | 1,3-DICHLOROBENZENE     |      | < MDL  |
| 59 | 1,4-DICHLOROBENZENE     |      | < MDL  |
| 60 | N-BUTYLBENZENE          |      | < MDL  |
| 61 | 1,2-DICHLOROBENZENE     |      | < MDL  |
| 62 | 1,2-DIBROMO-3-CHLOROPRO |      | < MDL  |
| 63 | 1,2,4-TRICHLOROBENZENE  |      | < MDL  |
| 64 | HEXACHLOROBUTADIENE     |      | < MDL  |
| 65 | NAPHTHALENE             |      | < MDL  |
| 66 | 1,2,3-TRICHLOROBENZENE  |      | < MDL  |

User: Huhn, William  
 Westchester Dept. of Labs & Research  
 Date: 12/17/2001 Time: 09:19:53

Sample: AD29463  
 Analysis: \$D\_524 Volatile Organic Compounds-Duplicate  
 Units: ug  
 Started: 12/13/01 00:00 Ended: 12/13/01 00:00 Analyst: BH  
 Result source: c:\hpcchem\1\data\01dec13\29463d.d\29463d.rr  
 Page: 1

|    | Component Name                 | Viol | Result | Qualifier | MDL |
|----|--------------------------------|------|--------|-----------|-----|
| 1  | Surr - 1,2-DICHLOROETHANE-     |      | 6.8    |           | .5  |
| 2  | Surr - 4-BROMOFLUOROBENZ       |      | 4.3    |           | .5  |
| 3  | Dichlorodifluoromethane        |      | < MDL  |           | .5  |
| 4  | Chloromethane                  |      | < MDL  |           | .5  |
| 5  | Vinyl chloride                 |      | < MDL  |           | .5  |
| 6  | Bromomethane                   |      | < MDL  |           | .5  |
| 7  | Chloroethane                   |      | < MDL  |           | .5  |
| 8  | Trichlorofluoromethane         |      | < MDL  |           | .5  |
| 9  | 1,1-Dichloroethene             |      | < MDL  |           | .5  |
| 10 | Methylene Chloride             |      | < MDL  |           | .5  |
| 11 | Methyl tert-butyl ether (MTBE) |      | < MDL  |           | 1.0 |
| 12 | trans-1,2-dichloroethene       |      | < MDL  |           | .5  |
| 13 | 1,1-dichloroethane             |      | < MDL  |           | .5  |
| 14 | 2-butanone (MEK)               |      | < MDL  |           | 2.0 |
| 15 | 2,2-dichloropropane            |      | < MDL  |           | .5  |
| 16 | cis-1,2-dichloroethene         |      | < MDL  |           | .5  |
| 17 | *THM-Chloroform                |      | < MDL  |           | .5  |
| 18 | Bromochloromethane             |      | < MDL  |           | .5  |
| 19 | 1,2-dichloroethane             |      | < MDL  |           | .5  |
| 20 | Surr - TOLUENE-D8              |      | 5.3    |           | .5  |
| 21 | 1,1,1- trichloroethane         |      | < MDL  |           | .5  |
| 22 | 1,1-dichloropropene            |      | < MDL  |           | .5  |
| 23 | Carbon tetrachloride           |      | < MDL  |           | .5  |
| 24 | Benzene                        |      | < MDL  |           | .5  |
| 25 | Trichloroethene                |      | < MDL  |           | .5  |
| 26 | 1,2-dichloropropane            |      | < MDL  |           | .5  |
| 27 | Dibromomethane                 |      | < MDL  |           | .5  |
| 28 | *THM-Bromodichloromethane      |      | < MDL  |           | .5  |
| 29 | Methyl iso-butyl ketone (MIBK) |      | < MDL  |           | 1.0 |
| 30 | cis-1,3-dichloropropene        |      | < MDL  |           | .5  |
| 31 | Toluene                        |      | < MDL  |           | .5  |
| 32 | trans-1,3-dichloropropene      |      | < MDL  |           | .5  |
| 33 | 1,1,2-trichloroethane          |      | < MDL  |           | .5  |
| 34 | Tetrachloroethene              |      | < MDL  |           | .5  |
| 35 | 1,3-dichloropropane            |      | < MDL  |           | .5  |
| 36 | *THM-Dibromochloromethane      |      | < MDL  |           | 2.0 |
| 37 | Chlorobenzene                  |      | < MDL  |           | .5  |
| 38 | 1,1,1,2-tetrachloroethane      |      | < MDL  |           | .5  |
| 39 | Ethylbenzene                   |      | < MDL  |           | .5  |
| 40 | P & M-xylene                   |      | < MDL  |           | .5  |
| 41 | O-xylene                       |      | < MDL  |           | .5  |
| 42 | Styrene                        |      | < MDL  |           | .5  |
| 43 | 1,1,2,2-tetrachloroethane      |      | < MDL  |           | .5  |
| 44 | *THM-Bromoform                 |      | < MDL  |           | 2.0 |
| 45 | Isopropylbenzene               |      | < MDL  |           | .5  |
| 46 | 1,2,3-trichloropropane         |      | < MDL  |           | .5  |
| 47 | N-propylbenzene                |      | < MDL  |           | .5  |
| 48 | Bromobenzene                   |      | < MDL  |           | .5  |

*acetone 12*

User: Huhn, William  
Westchester Dept. of Labs & Research  
Date: 12/17/2001 Time: 09:19:53

Sample: AD29463  
Analysis: \$D\_524 Volatile Organic Compounds-Duplicate  
Units: ug  
Started: 12/13/01 00:00 Ended: 12/13/01 00:00 Analyst: BH  
Result source: c:\hpchem\1\data\01dec13\29463d.d\29463d.rr  
Page: 2

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

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\01dec13\29463D.D Vial: 12  
 Acq On : 13 Dec 2001 10:28 pm Operator: 206-BH  
 Sample : nyc Inst : GC/MS Ins  
 Misc : Multiplr: 1.00  
 MS Integration Params: LSCINT.P  
 Quant Time: Dec 13 23:07 2001 Quant Results File: HP121001.RES

Quant Method : C:\HPCHEM\1\METHODS\HP121001.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Last Update : Wed Dec 12 08:39:59 2001  
 Response via : Initial Calibration  
 DataAcq Meth : HP121001

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev (Min) |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) 1,4-DIFLUOROBENZENE      | 14.46 | 114  | 562838   | 5.00  | ug/L    | 0.10      |
| 22) CHLOROBENZENE-D5        | 21.05 | 117  | 581480   | 5.00  | ug/L    | 0.08      |
| 50) 1,4-DICHLOROBENZENE-D4  | 26.21 | 152  | 258161   | 5.00  | ug/L    | 0.10      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 2) 1,2-DICHLOROETHANE-D4    | 13.67 | 65   | 252211   | 6.80  | ug/L    | 0.08      |
| Spiked Amount 5.000         |       |      | Recovery | =     | 136.00% |           |
| 3) 4-BROMOFLUOROBENZENE     | 23.62 | 174  | 185714   | 4.30  | ug/L    | 0.08      |
| Spiked Amount 5.000         |       |      | Recovery | =     | 86.00%  |           |
| 23) TOLUENE-D8              | 17.76 | 98   | 819366   | 5.31  | ug/L    | 0.08      |
| Spiked Amount 5.000         |       |      | Recovery | =     | 106.20% |           |
| Target Compounds            |       |      |          |       |         | Qvalue    |
| 10) ACETONE                 | 7.70  | 43   | 46518    | 12.32 | ug/L    | 93        |
| 16) 2-BUTANONE (MEK)        | 11.41 | 43   | 2910     | 0.44  | ug/L    | 64        |

-----  
 (#) = qualifier out of range (m) = manual integration  
 29463D.D HP121001.M Thu Dec 13 23:07:13 2001



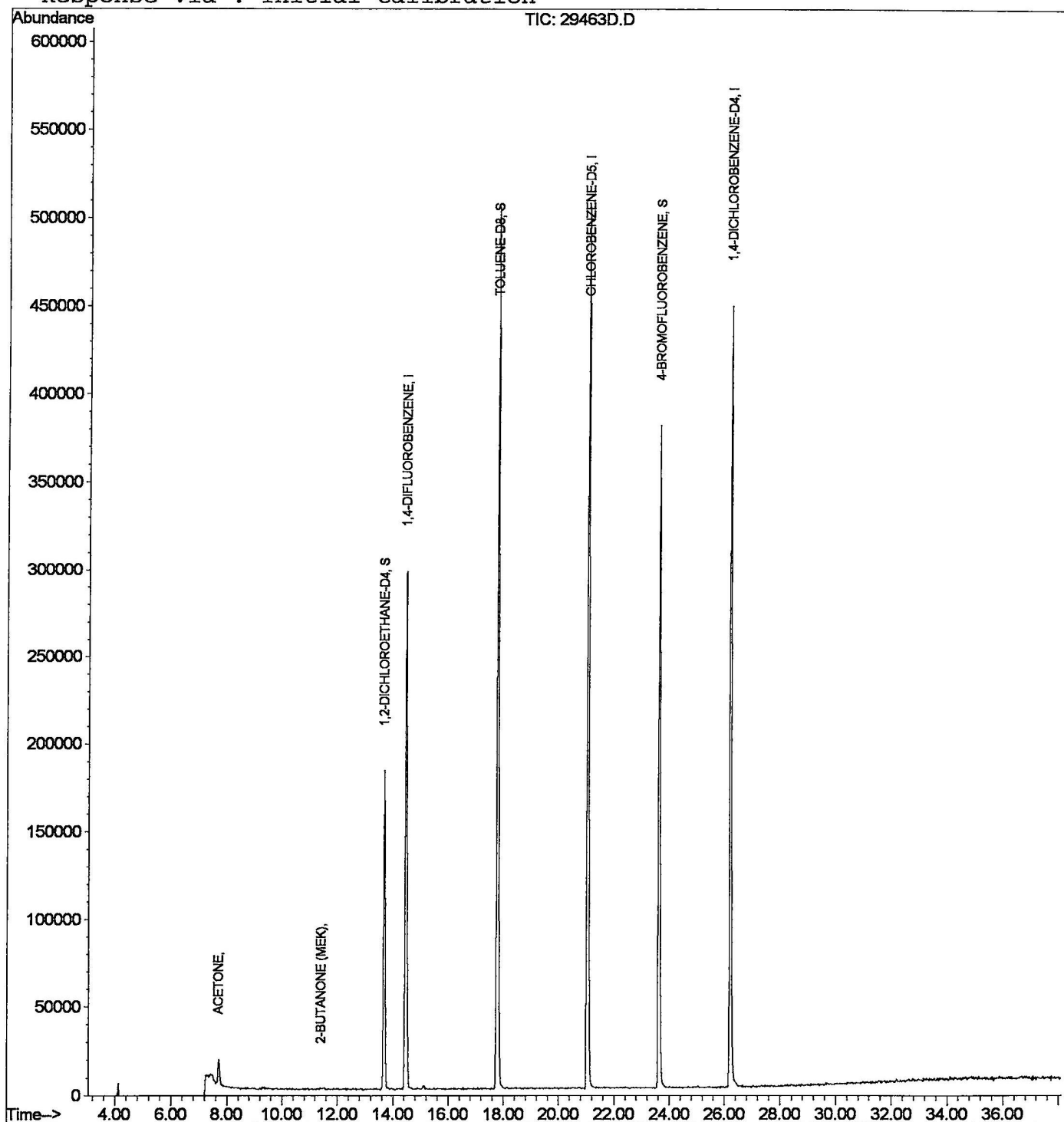
## Quantitation Report

Data File : C:\HPCHEM\1\DATA\01dec13\29463D.D  
Acq On : 13 Dec 2001 10:28 pm  
Sample : nyc  
Misc :  
MS Integration Params: LSCINT.P  
Quant Time: Dec 13 23:07 2001

Vial: 12  
Operator: 206-BH  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Results File: HP121001.RES

Method : C:\HPCHEM\1\METHODS\HP121001.M (RTE Integrator)  
Title : VOCs BY EPA METHOD 524  
Last Update : Wed Dec 12 08:39:32 2001  
Response via : Initial Calibration



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\01dec13\29463D.D  
 Acq On : 13 Dec 2001 10:28 pm  
 Sample : nyc  
 Misc :  
 MS Integration Params: LSCINT.P

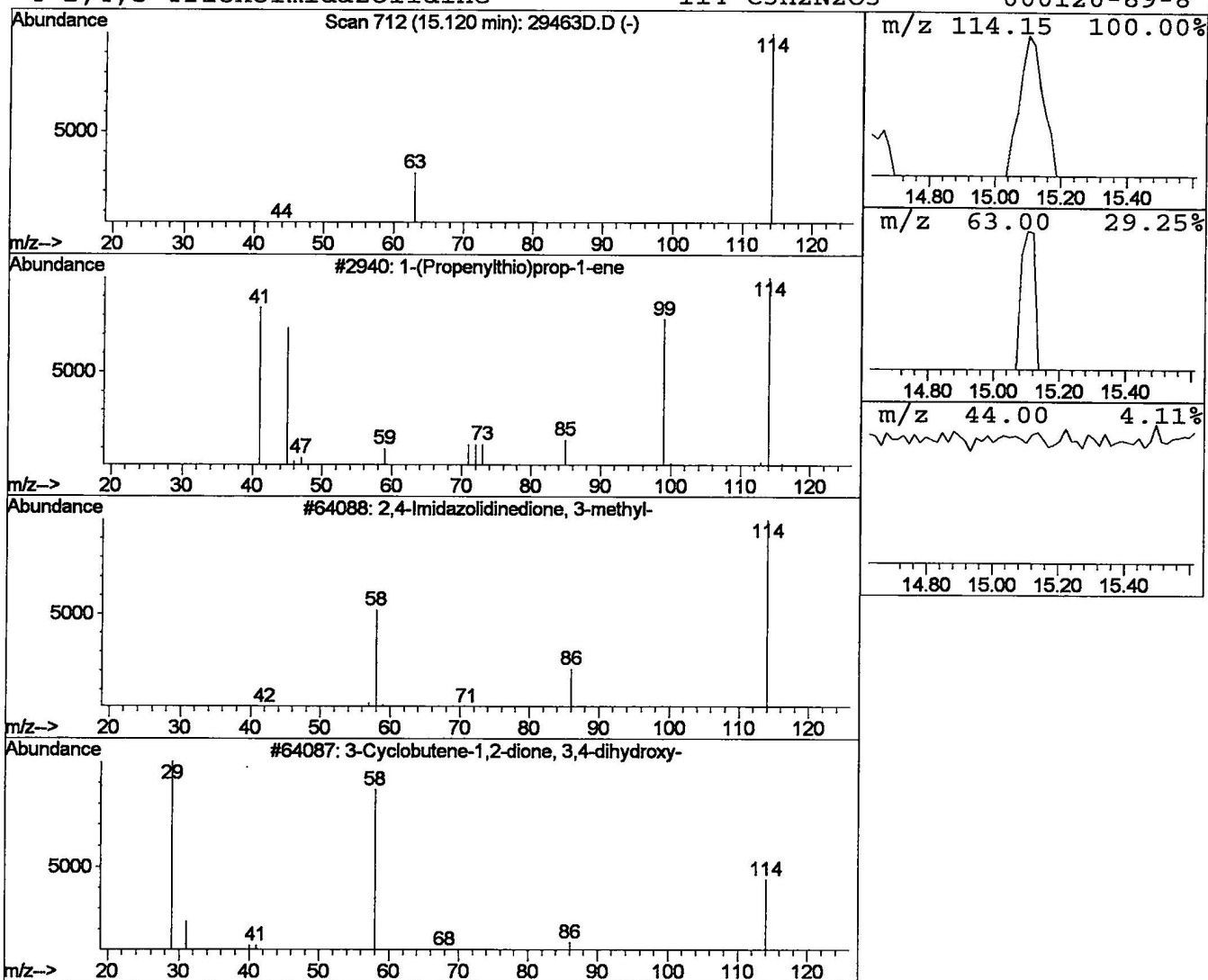
Vial: 12  
 Operator: 206-BH  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP121001.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 4 1-(Propenylthio)prop-1-ene Concentration Rank 3

| R.T.  | EstConc   | Area | Relative to ISTD    | R.T.  |
|-------|-----------|------|---------------------|-------|
| 15.12 | 0.03 ug/L | 9248 | 1,4-DIFLUOROBENZENE | 14.46 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 1-(Propenylthio)prop-1-ene          | 114 | C6H10S   | 000000-00-0 | 3    |
| 2    |    | 2,4-Imidazolidinedione, 3-methyl-   | 114 | C4H6N2O2 | 006843-45-4 | 3    |
| 3    |    | 3-Cyclobutene-1,2-dione, 3,4-dihydr | 114 | C4H2O4   | 002892-51-5 | 2    |
| 4    |    | 2,4,5-Trioxoimidazolidine           | 114 | C3H2N2O3 | 000120-89-8 | 2    |



User: Huhn, William  
 Westchester Dept. of Labs & Research  
 Date: 12/17/2001 Time: 10:01:58

Sample: AD29732  
 Analysis: \$524 Volatile Organic Compounds  
 Units: ug  
 Started: 12/13/01 00:01 Ended: 12/13/01 00:01 Analyst: BH  
 Result source: manual entry  
 Page: 1

|    | Component Name                 | Viol | Result | Qualifier | MDL |
|----|--------------------------------|------|--------|-----------|-----|
| 1  | Surr - 4-BROMOFLUOROBENZ       |      | 4.2    |           | 0.5 |
| 2  | Dichlorodifluoromethane        |      | < MDL  |           | 0.5 |
| 3  | Chloromethane                  |      | < MDL  |           | 0.5 |
| 4  | Vinyl chloride                 |      | < MDL  |           | 0.5 |
| 5  | Bromomethane                   |      | < MDL  |           | 0.5 |
| 6  | Chloroethane                   |      | < MDL  |           | 0.5 |
| 7  | Trichlorofluoromethane         |      | < MDL  |           | 0.5 |
| 8  | 1,1-Dichloroethene             |      | < MDL  |           | 0.5 |
| 9  | Methylene Chloride             |      | < MDL  |           | 0.5 |
| 10 | Methyl tert-butyl ether (MTBE) |      | < MDL  |           | 1.0 |
| 11 | trans-1,2-dichloroethene       |      | < MDL  |           | 0.5 |
| 12 | 1,1-dichloroethane             |      | < MDL  |           | 0.5 |
| 13 | 2-butanone (MEK)               |      | < MDL  |           | 2.0 |
| 14 | 2,2-dichloropropane            |      | < MDL  |           | 0.5 |
| 15 | cis-1,2-dichloroethene         |      | < MDL  |           | 0.5 |
| 16 | *THM-Chloroform                |      | < MDL  |           | 0.5 |
| 17 | Bromochloromethane             |      | < MDL  |           | 0.5 |
| 18 | 1,2-dichloroethane             |      | < MDL  |           | 0.5 |
| 19 | Surr - TOLUENE-D8              |      | 5.4    |           | 0.5 |
| 20 | 1,1,1-trichloroethane          |      | < MDL  |           | 0.5 |
| 21 | 1,1-dichloropropene            |      | < MDL  |           | 0.5 |
| 22 | Carbon tetrachloride           |      | < MDL  |           | 0.5 |
| 23 | Benzene                        |      | < MDL  |           | 0.5 |
| 24 | Trichloroethene                |      | < MDL  |           | 0.5 |
| 25 | 1,2-dichloropropane            |      | < MDL  |           | 0.5 |
| 26 | Dibromomethane                 |      | < MDL  |           | 0.5 |
| 27 | *THM-Bromodichloromethane      |      | < MDL  |           | 0.5 |
| 28 | Methyl iso-butyl ketone (MIBK) |      | < MDL  |           | 1.0 |
| 29 | cis-1,3-dichloropropene        |      | < MDL  |           | 0.5 |
| 30 | Toluene                        |      | < MDL  |           | 0.5 |
| 31 | trans-1,3-dichloropropene      |      | < MDL  |           | 0.5 |
| 32 | 1,1,2-trichloroethane          |      | < MDL  |           | 0.5 |
| 33 | Tetrachloroethene              |      | < MDL  |           | 0.5 |
| 34 | 1,3-dichloropropane            |      | < MDL  |           | 0.5 |
| 35 | *THM-Dibromochloromethane      |      | < MDL  |           | 2.0 |
| 36 | Chlorobenzene                  |      | < MDL  |           | 0.5 |
| 37 | 1,1,1,2-tetrachloroethane      |      | < MDL  |           | 0.5 |
| 38 | Ethylbenzene                   |      | < MDL  |           | 0.5 |
| 39 | P & M-xylene                   |      | < MDL  |           | 0.5 |
| 40 | O-xylene                       |      | < MDL  |           | 0.5 |
| 41 | Styrene                        |      | < MDL  |           | 0.5 |
| 42 | 1,1,2,2-tetrachloroethane      |      | < MDL  |           | 0.5 |
| 43 | *THM-Bromoform                 |      | < MDL  |           | 2.0 |
| 44 | Isopropylbenzene               |      | < MDL  |           | 0.5 |
| 45 | 1,2,3-trichloropropane         |      | < MDL  |           | 0.5 |
| 46 | N-propylbenzene                |      | < MDL  |           | 0.5 |
| 47 | Bromobenzene                   |      | < MDL  |           | 0.5 |

↑ 690

REVIEWED BY AN  
 DATE 12/20/01

User: Huhn, William  
Westchester Dept. of Labs & Research  
Date: 12/17/2001 Time: 10:01:58

Sample: AD29732  
Analysis: \$524 Volatile Organic Compounds  
Units: ug  
Started: 12/13/01 00:01 Ended: 12/13/01 00:01 Analyst: BH  
Result source: manual entry  
Page: 2

|    | Component Name         | Viol | Result | Qualifier | MDL |
|----|------------------------|------|--------|-----------|-----|
| 49 | 1,3,5-trimethylbenzene |      | < MDL  |           | 0.5 |
| 50 | 2-chlorotoluene        |      | < MDL  |           | 0.5 |
| 51 | 4-chlorotoluene        |      | < MDL  |           | 0.5 |
| 52 | TERT-butylbenzene      |      | < MDL  |           | 0.5 |
| 53 | 1,2,4-trimethylbenzene |      | < MDL  |           | 0.5 |
| 54 | SEC-butylbenzene       |      | < MDL  |           | 0.5 |
| 55 | P-isopropyltoluene     |      | < MDL  |           | 0.5 |
| 56 | 1,3-dichlorobenzene    |      | < MDL  |           | 0.5 |
| 57 | 1,4-dichlorobenzene    |      | < MDL  |           | 0.5 |
| 58 | N-butylbenzene         |      | < MDL  |           | 0.5 |
| 59 | 1,2-dichlorobenzene    |      | < MDL  |           | 0.5 |
| 60 | 1,2,4-trichlorobenzene |      | < MDL  |           | 0.5 |
| 61 | Hexachlorobutadiene    |      | < MDL  |           | 0.5 |
| 62 | Naphthalene            |      | < MDL  |           | 0.5 |
| 63 | 1,2,3-trichlorobenzene |      | < MDL  |           | 0.5 |

**Comments for Sample AD29732 - Analysis \$524**

Westchester Dept. of Labs & Research

User: Vannelli, Sandy

Date: 12-20-2001 Time: 15:20:52

ONE OF THREE SURROGATES IS 6% ABOVE THE UCL.

Quantitation Report

(Not Reviewed)

Data File : C:\HPCHEM\1\DATA\01DEC13\29732.D  
 Acq On : 13 Dec 2001 11:11 pm  
 Sample : nyc  
 Misc :  
 MS Integration Params: LSCINT.P  
 Quant Time: Dec 17 10:00 2001

Vial: 13  
 Operator: 206-BH  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Results File: HP121001.RES

Quant Method : C:\HPCHEM\1\METHODS\HP121001.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Last Update : Mon Dec 17 09:58:16 2001  
 Response via : Initial Calibration  
 DataAcq Meth : HP121001

| Internal Standards          | R.T.  | QIon | Response | Conc | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|------|---------|-----------|
| 1) 1,4-DIFLUOROBENZENE      | 14.46 | 114  | 550812   | 5.00 | ug/L    | 0.10      |
| 22) CHLOROBENZENE-D5        | 21.05 | 117  | 558986   | 5.00 | ug/L    | 0.09      |
| 50) 1,4-DICHLOROBENZENE-D4  | 26.21 | 152  | 245612   | 5.00 | ug/L    | 0.10      |
| System Monitoring Compounds |       |      |          |      |         |           |
| 2) 1,2-DICHLOROETHANE-D4    | 13.67 | 65   | 247611   | 6.82 | ug/L    | 0.09      |
| Spiked Amount 5.000         |       |      | Recovery | =    | 136.40% |           |
| 3) 4-BROMOFLUOROBENZENE     | 23.62 | 174  | 177030   | 4.19 | ug/L    | 0.09      |
| Spiked Amount 5.000         |       |      | Recovery | =    | 83.80%  |           |
| 23) TOLUENE-D8              | 17.78 | 98   | 802481   | 5.41 | ug/L    | 0.10      |
| Spiked Amount 5.000         |       |      | Recovery | =    | 108.20% |           |
| Target Compounds            |       |      |          |      |         |           |
| 10) ACETONE                 | 7.71  | 43   | 32938    | 8.91 | ug/L    | Qvalue 90 |
| 16) 2-BUTANONE (MEK)        | 11.41 | 43   | 4138     | 0.63 | ug/L    | 64        |

-----  
 (#) = qualifier out of range (m) = manual integration  
 29732.D HP121001.M Mon Dec 17 10:01:02 2001

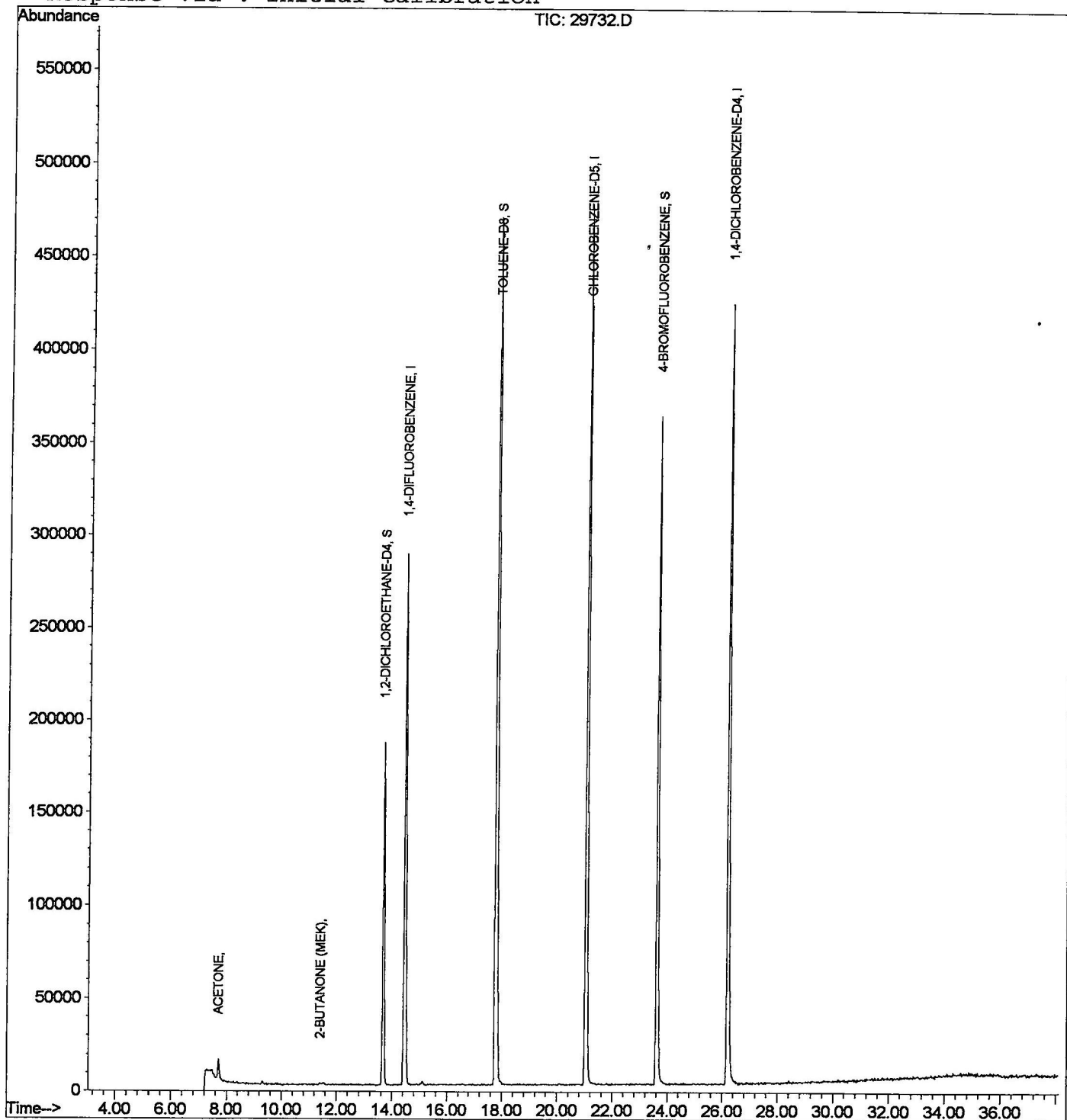
## Quantitation Report

Data File : C:\HPCHEM\1\DATA\01DEC13\29732.D  
Acq On : 13 Dec 2001 11:11 pm  
Sample : nyc  
Misc :  
MS Integration Params: LSCINT.P  
Quant Time: Dec 17 10:00 2001

Vial: 13  
Operator: 206-BH  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Results File: HP121001.RES

Method : C:\HPCHEM\1\METHODS\HP121001.M (RTE Integrator)  
Title : VOCs BY EPA METHOD 524  
Last Update : Wed Dec 12 08:39:32 2001  
Response via : Initial Calibration



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\01dec13\29732.D  
 Acq On : 13 Dec 2001 11:11 pm  
 Sample : nyc  
 Misc :  
 MS Integration Params: LSCINT.P

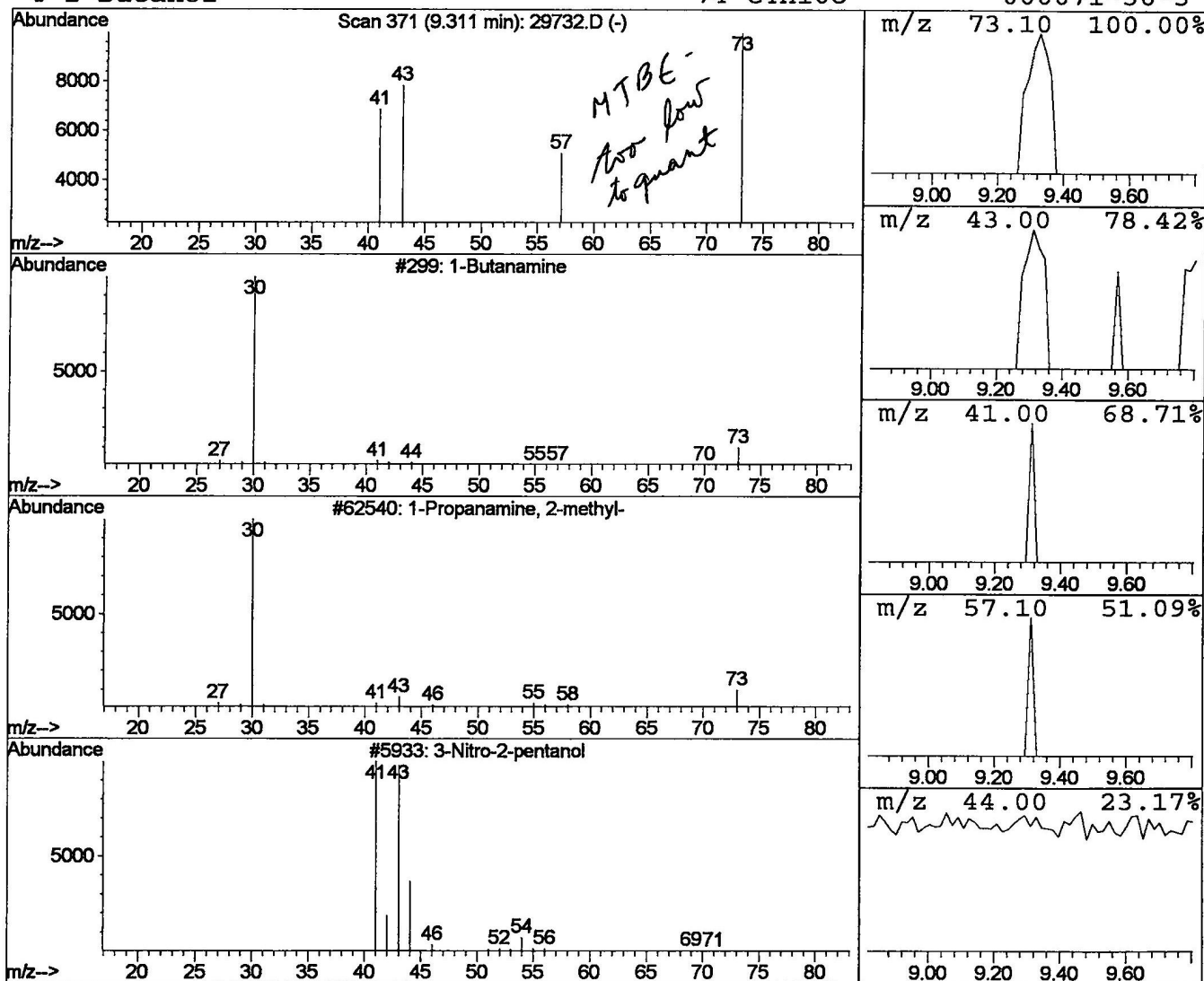
Vial: 13  
 Operator: 206-BH  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP121001.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 3 1-Butanamine Concentration Rank 3

| R.T. | EstConc   | Area | Relative to ISTD    | R.T.  |
|------|-----------|------|---------------------|-------|
| 9.31 | 0.03 ug/L | 8390 | 1,4-DIFLUOROBENZENE | 14.46 |

| Hit# | of | 5 | Tentative ID             | MW  | MolForm  | CAS#        | Qual |
|------|----|---|--------------------------|-----|----------|-------------|------|
| 1    |    |   | 1-Butanamine             | 73  | C4H11N   | 000109-73-9 | 3    |
| 2    |    |   | 1-Propanamine, 2-methyl- | 73  | C4H11N   | 000078-81-9 | 3    |
| 3    |    |   | 3-Nitro-2-pentanol       | 133 | C5H11NO3 | 005447-99-4 | 2    |
| 4    |    |   | 1-Butanol                | 74  | C4H10O   | 000071-36-3 | 2    |





# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\01dec13\29732.D  
 Acq On : 13 Dec 2001 11:11 pm  
 Sample : nyc  
 Misc :  
 MS Integration Params: LSCINT.P

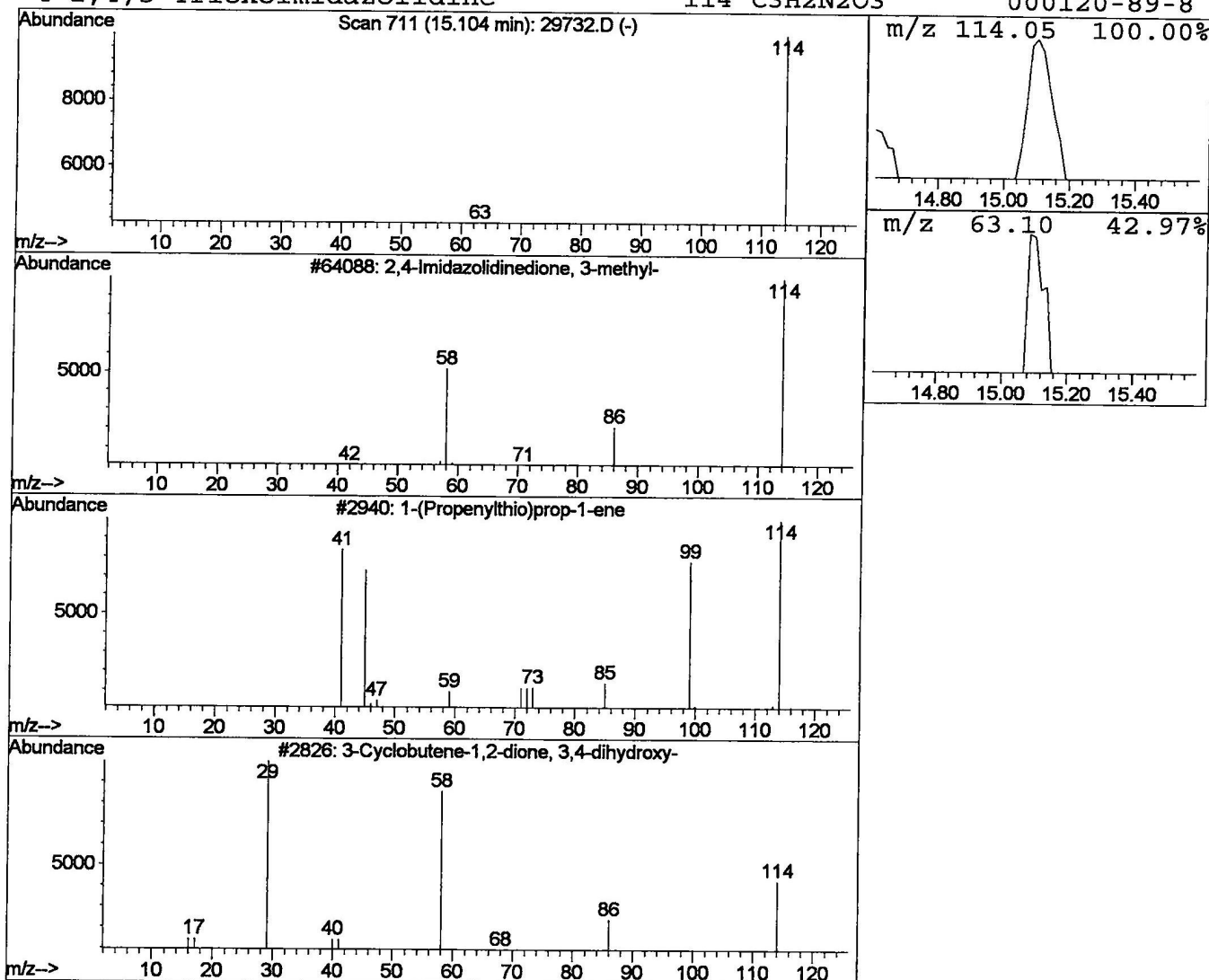
Vial: 13  
 Operator: 206-BH  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP121001.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 4 2,4-Imidazolidinedione, 3-meth Concentration Rank 2

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 15.10 | 0.04 ug/L | 11931 | 1,4-DIFLUOROBENZENE | 14.46 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|---------|---|-------------------------------------|-----|----------|-------------|------|
| 1       |   | 2,4-Imidazolidinedione, 3-methyl-   | 114 | C4H6N2O2 | 006843-45-4 | 3    |
| 2       |   | 1-(Propenylthio)prop-1-ene          | 114 | C6H10S   | 000000-00-0 | 3    |
| 3       |   | 3-Cyclobutene-1,2-dione, 3,4-dihydr | 114 | C4H2O4   | 002892-51-5 | 2    |
| 4       |   | 2,4,5-Trioxoimidazolidine           | 114 | C3H2N2O3 | 000120-89-8 | 2    |



User: Huhn, William  
 Westchester Dept. of Labs & Research  
 Date: 12/17/2001 Time: 10:05:10

Sample: AD29733

Analysis: \$524 Volatile Organic Compounds

Units: ug

Started: 12/13/01 00:01 Ended: 12/13/01 00:01 Analyst: BH

Result source: a:\29733.rr

Page: 1

|    | Component Name                 | Vol | Result | Qualifier | MDL |
|----|--------------------------------|-----|--------|-----------|-----|
| 1  | Surr - 4-BROMOFLUOROBENZ       |     | 4.3    |           | 0.5 |
| 2  | Dichlorodifluoromethane        |     | < MDL  |           | 0.5 |
| 3  | Chloromethane                  |     | < MDL  |           | 0.5 |
| 4  | Vinyl chloride                 |     | < MDL  |           | 0.5 |
| 5  | Bromomethane                   |     | < MDL  |           | 0.5 |
| 6  | Chloroethane                   |     | < MDL  |           | 0.5 |
| 7  | Trichlorofluoromethane         |     | < MDL  |           | 0.5 |
| 8  | 1,1-Dichloroethene             |     | < MDL  |           | 0.5 |
| 9  | Methylene Chloride             |     | < MDL  |           | 0.5 |
| 10 | Methyl tert-butyl ether (MTBE) |     | < MDL  |           | 1.0 |
| 11 | trans-1,2-dichloroethene       |     | < MDL  |           | 0.5 |
| 12 | 1,1-dichloroethane             |     | < MDL  |           | 0.5 |
| 13 | 2-butanone (MEK)               |     | < MDL  |           | 2.0 |
| 14 | 2,2-dichloropropane            |     | < MDL  |           | 0.5 |
| 15 | cis-1,2-dichloroethene         |     | < MDL  |           | 0.5 |
| 16 | *THM-Chloroform                |     | < MDL  |           | 0.5 |
| 17 | Bromochloromethane             |     | < MDL  |           | 0.5 |
| 18 | 1,2-dichloroethane             |     | < MDL  |           | 0.5 |
| 19 | Surr - TOLUENE-D8              |     | 5.4    |           | 0.5 |
| 20 | 1,1,1- trichloroethane         |     | < MDL  |           | 0.5 |
| 21 | 1,1-dichloropropene            |     | < MDL  |           | 0.5 |
| 22 | Carbon tetrachloride           |     | < MDL  |           | 0.5 |
| 23 | Benzene                        |     | < MDL  |           | 0.5 |
| 24 | Trichloroethene                |     | < MDL  |           | 0.5 |
| 25 | 1,2-dichloropropane            |     | < MDL  |           | 0.5 |
| 26 | Dibromomethane                 |     | < MDL  |           | 0.5 |
| 27 | *THM-Bromodichloromethane      |     | < MDL  |           | 0.5 |
| 28 | Methyl iso-butyl ketone (MIBK) |     | < MDL  |           | 1.0 |
| 29 | cis-1,3-dichloropropene        |     | < MDL  |           | 0.5 |
| 30 | Toluene                        |     | < MDL  |           | 0.5 |
| 31 | trans-1,3-dichloropropene      |     | < MDL  |           | 0.5 |
| 32 | 1,1,2-trichloroethane          |     | < MDL  |           | 0.5 |
| 33 | Tetrachloroethene              |     | < MDL  |           | 0.5 |
| 34 | 1,3-dichloropropane            |     | < MDL  |           | 0.5 |
| 35 | *THM-Dibromochloromethane      |     | < MDL  |           | 2.0 |
| 36 | Chlorobenzene                  |     | < MDL  |           | 0.5 |
| 37 | 1,1,1,2-tetrachloroethane      |     | < MDL  |           | 0.5 |
| 38 | Ethylbenzene                   |     | < MDL  |           | 0.5 |
| 39 | P & M-xylene                   |     | < MDL  |           | 0.5 |
| 40 | O-xylene                       |     | < MDL  |           | 0.5 |
| 41 | Styrene                        |     | < MDL  |           | 0.5 |
| 42 | 1,1,2,2-tetrachloroethane      |     | < MDL  |           | 0.5 |
| 43 | *THM-Bromoform                 |     | < MDL  |           | 2.0 |
| 44 | Isopropylbenzene               |     | < MDL  |           | 0.5 |
| 45 | 1,2,3-trichloropropane         |     | < MDL  |           | 0.5 |
| 46 | N-propylbenzene                |     | < MDL  |           | 0.5 |
| 47 | Bromobenzene                   |     | < MDL  |           | 0.5 |

6% ↑

REVIEWED BY *ST*  
 DATE *12/20/01*

User: Huhn, William  
Westchester Dept. of Labs & Research  
Date: 12/17/2001 Time: 10:05:10

Sample: AD29733  
Analysis: \$524 Volatile Organic Compounds  
Units: ug  
Started: 12/13/01 00:01 Ended: 12/13/01 00:01 Analyst: BH  
Result source: a:\29733.rr  
Page: 2

|    | Component Name         | Viol | Result | Qualifier | MDL |
|----|------------------------|------|--------|-----------|-----|
| 49 | 1,3,5-trimethylbenzene |      | < MDL  |           | 0.5 |
| 50 | 2-chlorotoluene        |      | < MDL  |           | 0.5 |
| 51 | 4-chlorotoluene        |      | < MDL  |           | 0.5 |
| 52 | TERT-butylbenzene      |      | < MDL  |           | 0.5 |
| 53 | 1,2,4-trimethylbenzene |      | < MDL  |           | 0.5 |
| 54 | SEC-butylbenzene       |      | < MDL  |           | 0.5 |
| 55 | P-isopropyltoluene     |      | < MDL  |           | 0.5 |
| 56 | 1,3-dichlorobenzene    |      | < MDL  |           | 0.5 |
| 57 | 1,4-dichlorobenzene    |      | < MDL  |           | 0.5 |
| 58 | N-butylbenzene         |      | < MDL  |           | 0.5 |
| 59 | 1,2-dichlorobenzene    |      | < MDL  |           | 0.5 |
| 60 | 1,2,4-trichlorobenzene |      | < MDL  |           | 0.5 |
| 61 | Hexachlorobutadiene    |      | < MDL  |           | 0.5 |
| 62 | Naphthalene            |      | < MDL  |           | 0.5 |
| 63 | 1,2,3-trichlorobenzene |      | < MDL  |           | 0.5 |

**Comments for Sample AD29733 - Analysis \$524**

Westchester Dept. of Labs & Research

User: Vannelli, Sandy

Date: 12-20-2001 Time: 15:22:11

ONE OF THREE SURROGATES IS 6% ABOVE THE UCL.

Quantitation Report

(Not Reviewed)

Data File : C:\HPCHEM\1\DATA\01DEC13\29733.D  
 Acq On : 13 Dec 2001 11:55 pm  
 Sample : nyc  
 Misc :  
 MS Integration Params: LSCINT.P  
 Quant Time: Dec 17 10:03 2001

Vial: 14  
 Operator: 206-BH  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Results File: HP121001.RES

Quant Method : C:\HPCHEM\1\METHODS\HP121001.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Last Update : Mon Dec 17 09:58:16 2001  
 Response via : Initial Calibration  
 DataAcq Meth : HP121001

| Internal Standards          | R.T.  | QIon | Response | Conc | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|------|---------|-----------|
| 1) 1,4-DIFLUOROBENZENE      | 14.46 | 114  | 541181   | 5.00 | ug/L    | 0.10      |
| 22) CHLOROBENZENE-D5        | 21.05 | 117  | 557849   | 5.00 | ug/L    | 0.09      |
| 50) 1,4-DICHLOROBENZENE-D4  | 26.21 | 152  | 249547   | 5.00 | ug/L    | 0.10      |
| System Monitoring Compounds |       |      |          |      |         |           |
| 2) 1,2-DICHLOROETHANE-D4    | 13.67 | 65   | 241596   | 6.78 | ug/L    | 0.09      |
| Spiked Amount 5.000         |       |      | Recovery | =    | 135.60% |           |
| 3) 4-BROMOFLUOROBENZENE     | 23.62 | 174  | 178106   | 4.29 | ug/L    | 0.09      |
| Spiked Amount 5.000         |       |      | Recovery | =    | 85.80%  |           |
| 23) TOLUENE-D8              | 17.78 | 98   | 795452   | 5.38 | ug/L    | 0.10      |
| Spiked Amount 5.000         |       |      | Recovery | =    | 107.60% |           |
| Target Compounds            |       |      |          |      |         |           |
| 10) ACETONE                 | 7.70  | 43   | 16503    | 4.55 | ug/L    | Qvalue 90 |
| 16) 2-BUTANONE (MEK)        | 11.41 | 43   | 4852     | 0.76 | ug/L    | 64        |

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

29733.D HP121001.M Mon Dec 17 10:03:33 2001

Page 1

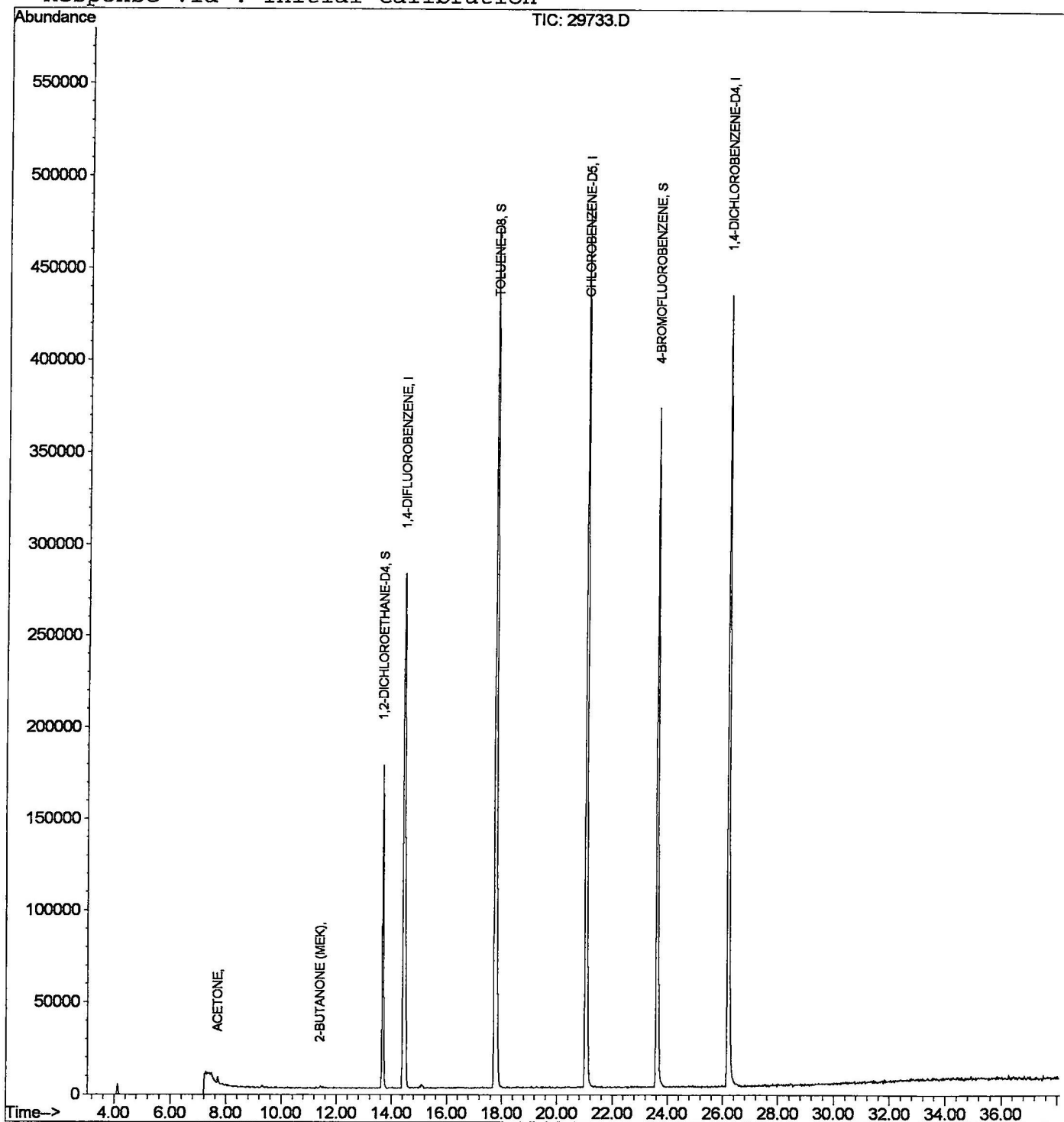
## Quantitation Report

Data File : C:\HPCHEM\1\DATA\01DEC13\29733.D  
Acq On : 13 Dec 2001 11:55 pm  
Sample : nyc  
Misc :  
MS Integration Params: LSCINT.P  
Quant Time: Dec 17 10:03 2001

Vial: 14  
Operator: 206-BH  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Results File: HP121001.RES

Method : C:\HPCHEM\1\METHODS\HP121001.M (RTE Integrator)  
Title : VOCs BY EPA METHOD 524  
Last Update : Wed Dec 12 08:39:32 2001  
Response via : Initial Calibration



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\01dec13\29733.D  
 Acq On : 13 Dec 2001 11:55 pm  
 Sample : nyc  
 Misc :  
 MS Integration Params: LSCINT.P

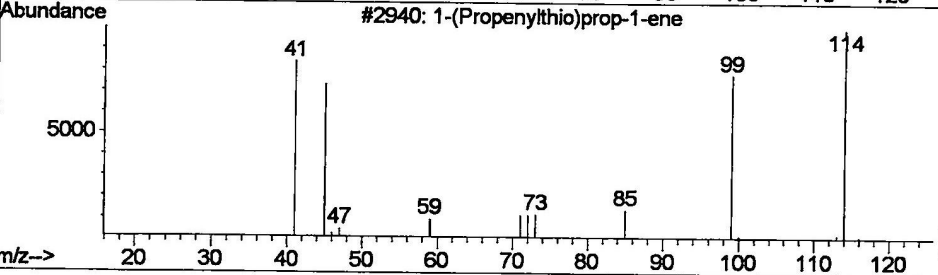
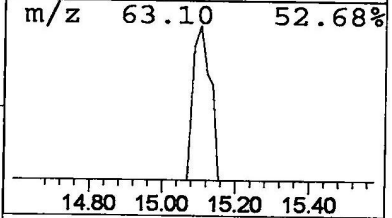
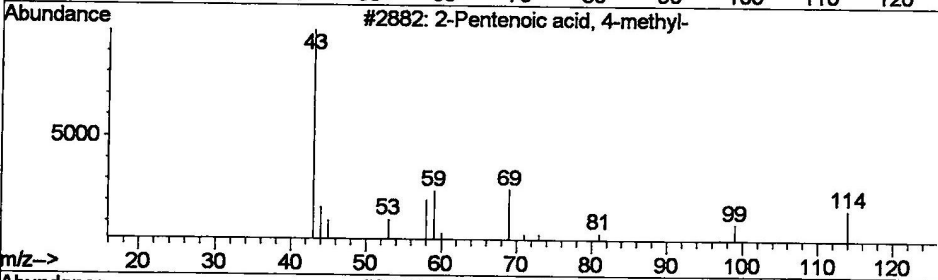
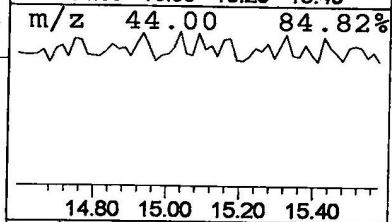
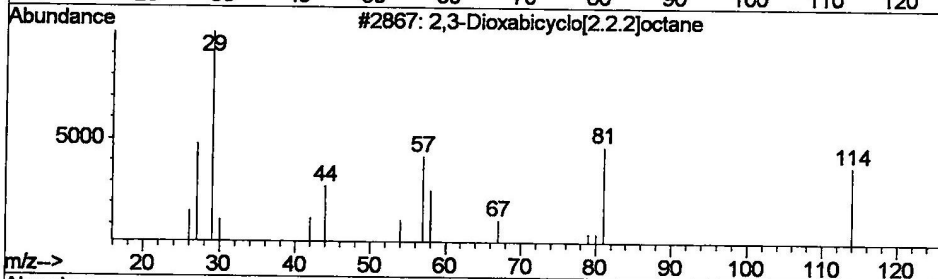
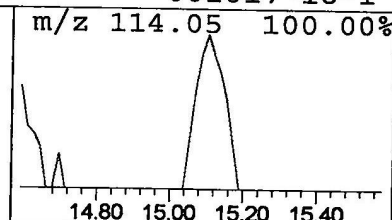
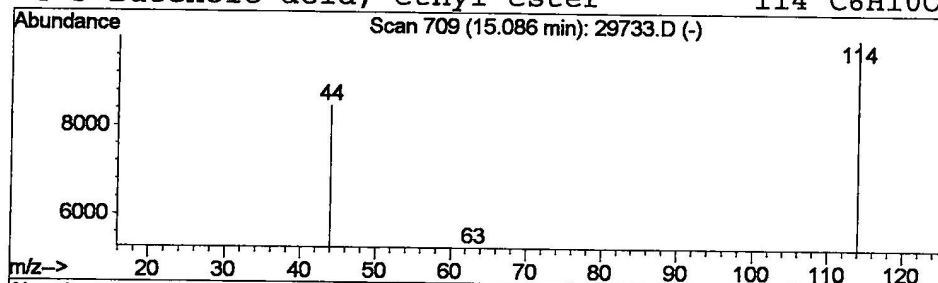
Vial: 14  
 Operator: 206-BH  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP121001.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 3 2,3-Dioxabicyclo[2.2.2]octane Concentration Rank 3

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 15.09 | 0.03 ug/L | 10104 | 1,4-DIFLUOROBENZENE | 14.46 |

| Hit# | of | 5 | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------|-----|---------|-------------|------|
| 1    |    |   | 2,3-Dioxabicyclo[2.2.2]octane | 114 | C6H10O2 | 000000-00-0 | 4    |
| 2    |    |   | 2-Pentenoic acid, 4-methyl-   | 114 | C6H10O2 | 010321-71-8 | 4    |
| 3    |    |   | 1-(Propenylthio)prop-1-ene    | 114 | C6H10S  | 000000-00-0 | 3    |
| 4    |    |   | 3-Butenoic acid, ethyl ester  | 114 | C6H10O2 | 001617-18-1 | 3    |



User: Huhn, William  
 Westchester Dept. of Labs & Research  
 Date: 12/17/2001 Time: 10:06:08

Sample: AD29734  
 Analysis: \$524 Volatile Organic Compounds  
 Units: ug  
 Started: 12/14/01 00:02 Ended: 12/14/01 00:02 Analyst: BH  
 Result source: a:\29734.rr  
 Page: 1

|    | Component Name                 | Viol | Result | Qualifier | MDL |
|----|--------------------------------|------|--------|-----------|-----|
| 1  | Surr - 4-BROMOFLUOROBENZ       |      | 4.2    |           | 0.5 |
| 2  | Dichlorodifluoromethane        |      | < MDL  |           | 0.5 |
| 3  | Chloromethane                  |      | < MDL  |           | 0.5 |
| 4  | Vinyl chloride                 |      | < MDL  |           | 0.5 |
| 5  | Bromomethane                   |      | < MDL  |           | 0.5 |
| 6  | Chloroethane                   |      | < MDL  |           | 0.5 |
| 7  | Trichlorofluoromethane         |      | < MDL  |           | 0.5 |
| 8  | 1,1-Dichloroethene             |      | < MDL  |           | 0.5 |
| 9  | Methylene Chloride             |      | < MDL  |           | 0.5 |
| 10 | Methyl tert-butyl ether (MTBE) |      | < MDL  |           | 1.0 |
| 11 | trans-1,2-dichloroethene       |      | < MDL  |           | 0.5 |
| 12 | 1,1-dichloroethane             |      | < MDL  |           | 0.5 |
| 13 | 2-butanone (MEK)               |      | < MDL  |           | 2.0 |
| 14 | 2,2-dichloropropane            |      | < MDL  |           | 0.5 |
| 15 | cis-1,2-dichloroethene         |      | < MDL  |           | 0.5 |
| 16 | *THM-Chloroform                |      | < MDL  |           | 0.5 |
| 17 | Bromochloromethane             |      | < MDL  |           | 0.5 |
| 18 | 1,2-dichloroethane             |      | < MDL  |           | 0.5 |
| 19 | Surr - TOLUENE-D8              |      | 5.4    |           | 0.5 |
| 20 | 1,1,1-trichloroethane          |      | < MDL  |           | 0.5 |
| 21 | 1,1-dichloropropene            |      | < MDL  |           | 0.5 |
| 22 | Carbon tetrachloride           |      | < MDL  |           | 0.5 |
| 23 | Benzene                        |      | < MDL  |           | 0.5 |
| 24 | Trichloroethene                |      | < MDL  |           | 0.5 |
| 25 | 1,2-dichloropropane            |      | < MDL  |           | 0.5 |
| 26 | Dibromomethane                 |      | < MDL  |           | 0.5 |
| 27 | *THM-Bromodichloromethane      |      | < MDL  |           | 0.5 |
| 28 | Methyl iso-butyl ketone (MIBK) |      | < MDL  |           | 1.0 |
| 29 | cis-1,3-dichloropropene        |      | < MDL  |           | 0.5 |
| 30 | Toluene                        |      | < MDL  |           | 0.5 |
| 31 | trans-1,3-dichloropropene      |      | < MDL  |           | 0.5 |
| 32 | 1,1,2-trichloroethane          |      | < MDL  |           | 0.5 |
| 33 | Tetrachloroethene              |      | < MDL  |           | 0.5 |
| 34 | 1,3-dichloropropane            |      | < MDL  |           | 0.5 |
| 35 | *THM-Dibromochloromethane      |      | < MDL  |           | 2.0 |
| 36 | Chlorobenzene                  |      | < MDL  |           | 0.5 |
| 37 | 1,1,1,2-tetrachloroethane      |      | < MDL  |           | 0.5 |
| 38 | Ethylbenzene                   |      | < MDL  |           | 0.5 |
| 39 | P & M-xylene                   |      | < MDL  |           | 0.5 |
| 40 | O-xylene                       |      | < MDL  |           | 0.5 |
| 41 | Styrene                        |      | < MDL  |           | 0.5 |
| 42 | 1,1,2,2-tetrachloroethane      |      | < MDL  |           | 0.5 |
| 43 | *THM-Bromoform                 |      | < MDL  |           | 2.0 |
| 44 | Isopropylbenzene               |      | < MDL  |           | 0.5 |
| 45 | 1,2,3-trichloropropane         |      | < MDL  |           | 0.5 |
| 46 | N-propylbenzene                |      | < MDL  |           | 0.5 |
| 47 | Bromobenzene                   |      | < MDL  |           | 0.5 |

6707

|             |          |
|-------------|----------|
| REVIEWED BY | AV       |
| DATE        | 12/20/01 |



User: Huhn, William  
Westchester Dept. of Labs & Research  
Date: 12/17/2001 Time: 10:06:08

Sample: AD29734  
Analysis: \$524 Volatile Organic Compounds  
Units: ug  
Started: 12/14/01 00:02 Ended: 12/14/01 00:02 Analyst: BH  
Result source: a:\29734.rr  
Page: 2

|    | Component Name         | Viol | Result | Qualifier | MDL |
|----|------------------------|------|--------|-----------|-----|
| 49 | 1,3,5-trimethylbenzene |      | < MDL  |           | 0.5 |
| 50 | 2-chlorotoluene        |      | < MDL  |           | 0.5 |
| 51 | 4-chlorotoluene        |      | < MDL  |           | 0.5 |
| 52 | TERT-butylbenzene      |      | < MDL  |           | 0.5 |
| 53 | 1,2,4-trimethylbenzene |      | < MDL  |           | 0.5 |
| 54 | SEC-butylbenzene       |      | < MDL  |           | 0.5 |
| 55 | P-isopropyltoluene     |      | < MDL  |           | 0.5 |
| 56 | 1,3-dichlorobenzene    |      | < MDL  |           | 0.5 |
| 57 | 1,4-dichlorobenzene    |      | < MDL  |           | 0.5 |
| 58 | N-butylbenzene         |      | < MDL  |           | 0.5 |
| 59 | 1,2-dichlorobenzene    |      | < MDL  |           | 0.5 |
| 60 | 1,2,4-trichlorobenzene |      | < MDL  |           | 0.5 |
| 61 | Hexachlorobutadiene    |      | < MDL  |           | 0.5 |
| 62 | Naphthalene            |      | < MDL  |           | 0.5 |
| 63 | 1,2,3-trichlorobenzene |      | < MDL  |           | 0.5 |

**Comments for Sample AD29734 - Analysis \$524**

Westchester Dept. of Labs & Research

User: Vannelli, Sandy

Date: 12-20-2001 Time: 15:26:25

ONE OF THREE SURROGATES IS 6% ABOVE THE UCL.

Quantitation Report

(Not Reviewed)

Data File : C:\HPCHEM\1\DATA\01DEC13\29734.D  
 Acq On : 14 Dec 2001 12:38 am  
 Sample : nyc  
 Misc :  
 MS Integration Params: LSCINT.P  
 Quant Time: Dec 17 10:04 2001

Vial: 15  
 Operator: 206-BH  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Results File: HP121001.RES

Quant Method : C:\HPCHEM\1\METHODS\HP121001.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Last Update : Mon Dec 17 09:58:16 2001  
 Response via : Initial Calibration  
 DataAcq Meth : HP121001

| Internal Standards          | R.T.  | QIon | Response | Conc | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|------|---------|-----------|
| 1) 1,4-DIFLUOROBENZENE      | 14.46 | 114  | 535673   | 5.00 | ug/L    | 0.10      |
| 22) CHLOROBENZENE-D5        | 21.05 | 117  | 552824   | 5.00 | ug/L    | 0.08      |
| 50) 1,4-DICHLOROBENZENE-D4  | 26.21 | 152  | 243993   | 5.00 | ug/L    | 0.10      |
| System Monitoring Compounds |       |      |          |      |         |           |
| 2) 1,2-DICHLOROETHANE-D4    | 13.67 | 65   | 239559   | 6.79 | ug/L    | 0.09      |
| Spiked Amount 5.000         |       |      | Recovery | =    | 135.80% |           |
| 3) 4-BROMOFLUOROBENZENE     | 23.62 | 174  | 172869   | 4.21 | ug/L    | 0.09      |
| Spiked Amount 5.000         |       |      | Recovery | =    | 84.20%  |           |
| 23) TOLUENE-D8              | 17.78 | 98   | 789575   | 5.39 | ug/L    | 0.10      |
| Spiked Amount 5.000         |       |      | Recovery | =    | 107.80% |           |
| Target Compounds            |       |      |          |      |         |           |
| 10) ACETONE                 | 7.70  | 43   | 33444    | 9.31 | ug/L    | Qvalue 95 |
| 16) 2-BUTANONE (MEK)        | 11.42 | 43   | 3990     | 0.63 | ug/L    | 64        |

-----  
 (#) = qualifier out of range (m) = manual integration  
 29734.D HP121001.M Mon Dec 17 10:04:30 2001

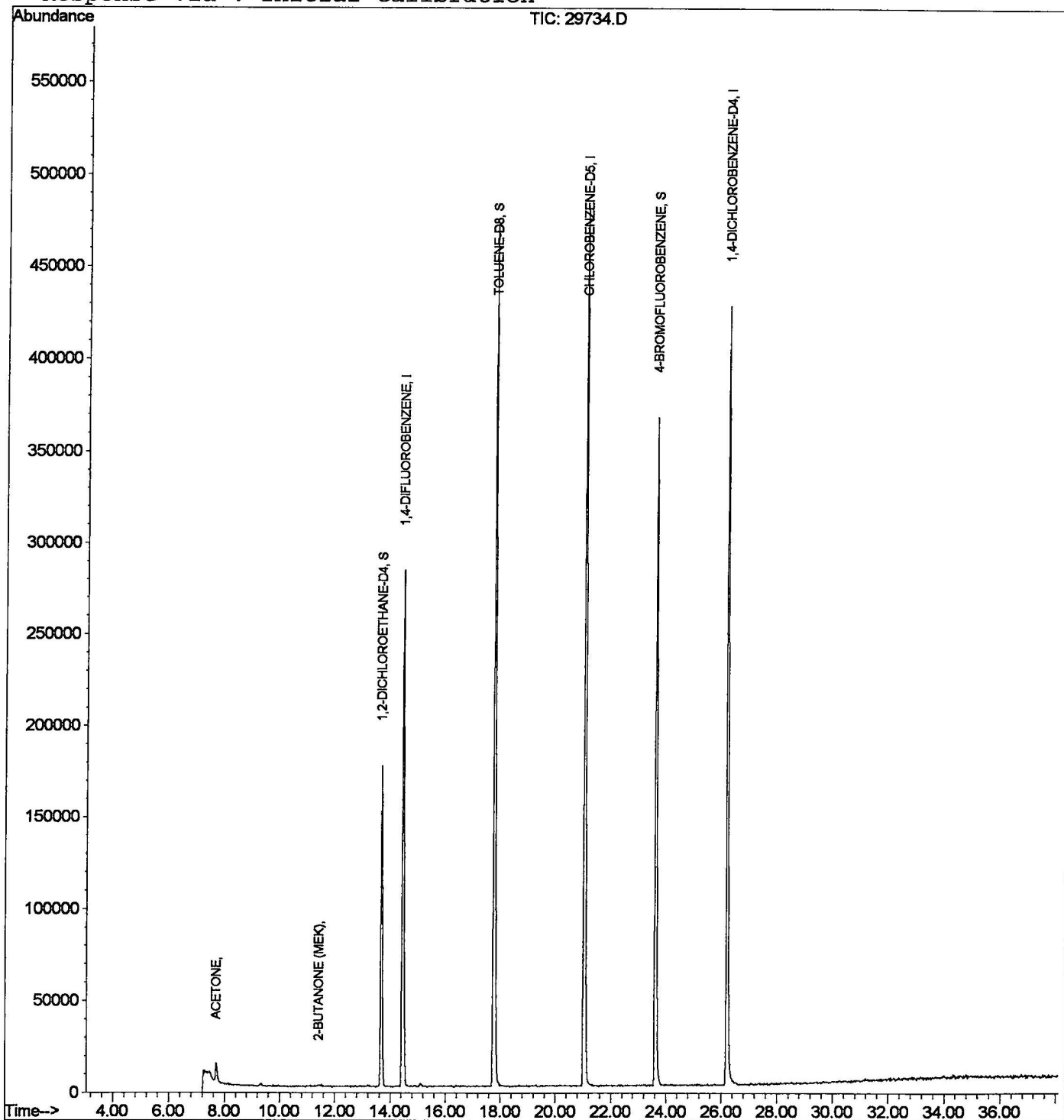
## Quantitation Report

Data File : C:\HPCHEM\1\DATA\01DEC13\29734.D  
Acq On : 14 Dec 2001 12:38 am  
Sample : nyc  
Misc :  
MS Integration Params: LSCINT.P  
Quant Time: Dec 17 10:04 2001

Vial: 15  
Operator: 206-BH  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Results File: HP121001.RES

Method : C:\HPCHEM\1\METHODS\HP121001.M (RTE Integrator)  
Title : VOCs BY EPA METHOD 524  
Last Update : Wed Dec 12 08:39:32 2001  
Response via : Initial Calibration



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\01dec13\29734.D  
 Acq On : 14 Dec 2001 12:38 am  
 Sample : nyc  
 Misc :  
 MS Integration Params: LSCINT.P

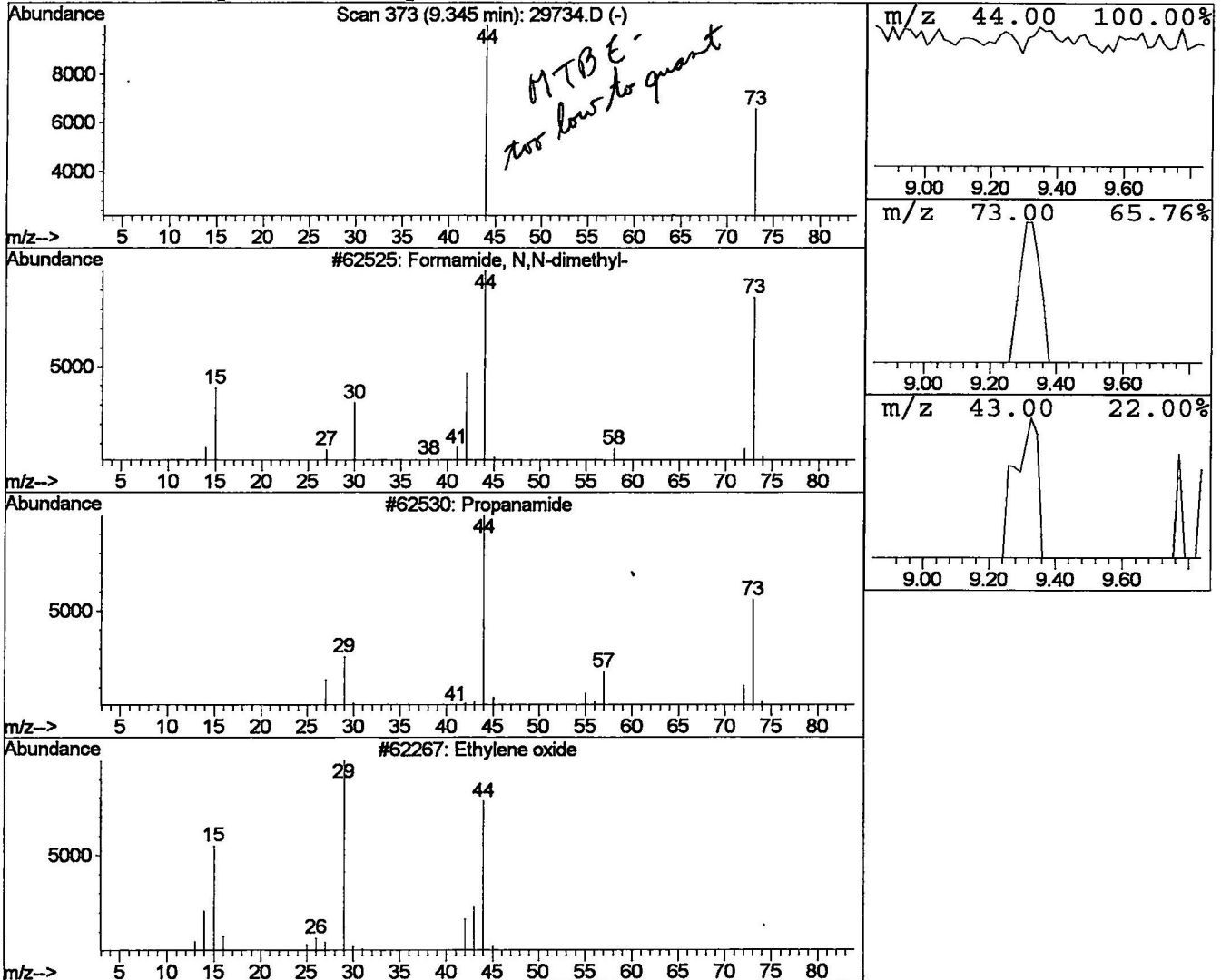
Vial: 15  
 Operator: 206-BH  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP121001.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 3 Formamide, N,N-dimethyl- Concentration Rank 5

| R.T. | EstConc   | Area | Relative to ISTD    | R.T.  |
|------|-----------|------|---------------------|-------|
| 9.34 | 0.02 ug/L | 6027 | 1,4-DIFLUOROBENZENE | 14.46 |

| Hit# | of | Tentative ID                | MW | MolForm | CAS#        | Qual |
|------|----|-----------------------------|----|---------|-------------|------|
| 1    | 5  | Formamide, N,N-dimethyl-    | 73 | C3H7NO  | 000068-12-2 | 4    |
| 2    |    | Propanamide                 | 73 | C3H7NO  | 000079-05-0 | 4    |
| 3    |    | Ethylene oxide              | 44 | C2H4O   | 000075-21-8 | 3    |
| 4    |    | Acetaldehyde, O-methyloxime | 73 | C3H7NO  | 033581-43-0 | 3    |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\01dec13\29734.D  
 Acq On : 14 Dec 2001 12:38 am  
 Sample : nyc  
 Misc :  
 MS Integration Params: LSCINT.P

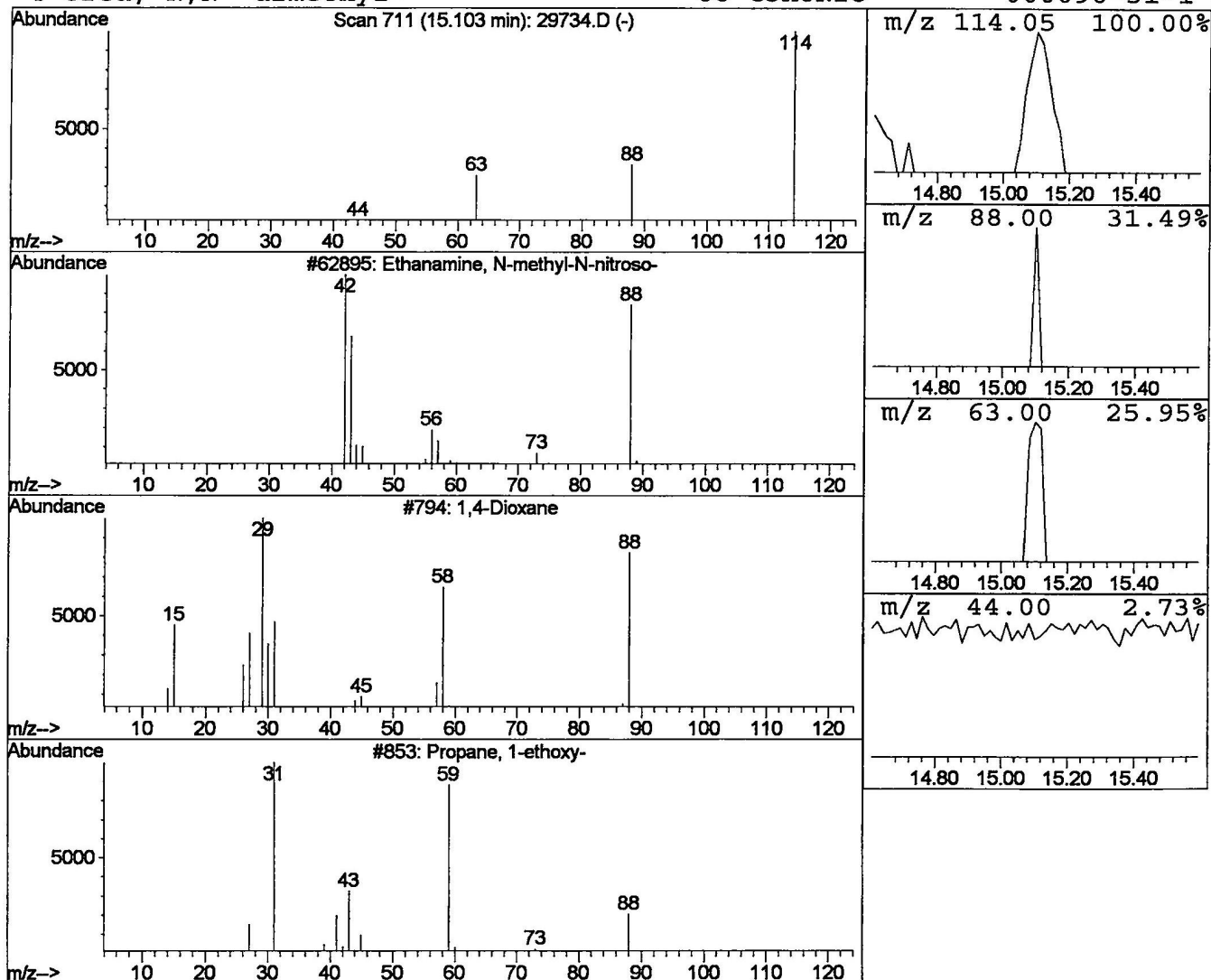
Vial: 15  
 Operator: 206-BH  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP121001.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 4 Ethanamine, N-methyl-N-nitroso Concentration Rank 3

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 15.10 | 0.03 ug/L | 10226 | 1,4-DIFLUOROBENZENE | 14.46 |

| Hit# | of | Tentative ID                    | MW | MolForm | CAS#        | Qual |
|------|----|---------------------------------|----|---------|-------------|------|
| 1    | 5  | Ethanamine, N-methyl-N-nitroso- | 88 | C3H8N2O | 010595-95-6 | 3    |
| 2    |    | 1,4-Dioxane                     | 88 | C4H8O2  | 000123-91-1 | 3    |
| 3    |    | Propane, 1-ethoxy-              | 88 | C5H12O  | 000628-32-0 | 3    |
| 4    |    | Urea, N,N'-dimethyl-            | 88 | C3H8N2O | 000096-31-1 | 3    |



User: Huhn, William  
 Westchester Dept. of Labs & Research  
 Date: 12/17/2001 Time: 10:09:16

Sample: AD29463  
 Analysis: \$C3524 Volatile Organic Compounds-Cal 1  
 Units: ug  
 Started: 12/14/01 00:01 Ended: 12/14/01 00:01 Analyst: BH  
 Result source: a:\1213c10b.rr  
 Page: 1

|    | Component Name            | Viol  | Result | Qualifier | MDL |
|----|---------------------------|-------|--------|-----------|-----|
| 1  | Surr_1,2-DICHLOROETHANE   | USPEC | 6.6    |           | .5  |
| 2  | Surr_4-BROMOFLUOROBENZE   |       | 5.6    |           | .5  |
| 3  | Dichlorodifluoromethane   |       | 8.5    |           | .5  |
| 4  | Chloromethane             | USPEC | 15     |           | .5  |
| 5  | Vinyl chloride            | USPEC | 15     |           | .5  |
| 6  | Bromomethane              | USPEC | 14     |           | .5  |
| 7  | Chloroethane              | USPEC | 17     |           | .5  |
| 8  | Trichlorofluoromethane    | USPEC | 14     |           | .5  |
| 9  | 1,1-Dichloroethene        |       | 11     |           | .5  |
| 10 | Methylene Chloride        | USPEC | 13     |           | .5  |
| 11 | Methyl tert-butyl ether   |       | 9.6    |           | 1.0 |
| 12 | trans-1,2-dichloroethene  |       | 11     |           | .5  |
| 13 | 1,1-dichloroethane        |       | 11     |           | .5  |
| 14 | 2-butanone (MEK)          |       | 13     |           | 2.0 |
| 15 | 2,2-dichloropropane       |       | 9.0    |           | .5  |
| 16 | cis-1,2-dichloroethene    |       | 9.5    |           | .5  |
| 17 | Chloroform                |       | 12     |           | .5  |
| 18 | Bromochloromethane        |       | 13     |           | .5  |
| 19 | 1,2-dichloroethane        |       | 13     |           | .5  |
| 20 | Surr_TOLUENE-D8           |       | 5.4    |           | .5  |
| 21 | 1,1,1-trichloroethane     |       | 11     |           | .5  |
| 22 | 1,1-dichloropropene       |       | 11     |           | .5  |
| 23 | Carbon tetrachloride      |       | 11     |           | .5  |
| 24 | Benzene                   |       | 10     |           | .5  |
| 25 | Trichloroethene           |       | 10     |           | .5  |
| 26 | 1,2-dichloropropane       |       | 11     |           | .5  |
| 27 | Dibromomethane            |       | 8.3    |           | .5  |
| 28 | Bromodichloromethane      |       | 12     |           | .5  |
| 29 | Methyl iso-butyl ketone   |       | 10     |           | 1.0 |
| 30 | cis-1,3-dichloropropene   |       | 10     |           | .5  |
| 31 | Toluene                   |       | 10     |           | .5  |
| 32 | trans-1,3-dichloropropene |       | 11     |           | .5  |
| 33 | 1,1,2-trichloroethane     |       | 10     |           | .5  |
| 34 | Tetrachloroethene         |       | 8.4    |           | .5  |
| 35 | 1,3-dichloropropane       |       | 11     |           | .5  |
| 36 | Dibromochloromethane      |       | 10     |           | 2.0 |
| 37 | Chlorobenzene             |       | 9.8    |           | .5  |
| 38 | 1,1,1,2-tetrachloroethane |       | 10     |           | .5  |
| 39 | Ethylbenzene              |       | 11     |           | .5  |
| 40 | P & M-xylene              |       | 21     |           | .5  |
| 41 | O-xylene                  |       | 12     |           | .5  |
| 42 | Styrene                   |       | 11     |           | .5  |
| 43 | 1,1,2,2-tetrachloroethane |       | 12     |           | .5  |
| 44 | Bromoform                 |       | 8.3    |           | 2.0 |
| 45 | Isopropylbenzene          |       | 8.5    |           | .5  |
| 46 | 1,2,3-trichloropropane    |       | 8.5    |           | .5  |
| 47 | N-propylbenzene           |       | 8.7    |           | .5  |
| 48 | Bromobenzene              |       | 8.1    |           | .5  |

REVIEWED BY \_\_\_\_\_  
 DATE \_\_\_\_\_

User: Huhn, William  
Westchester Dept. of Labs & Research  
Date: 12/17/2001 Time: 10:09:16

Sample: AD29463  
Analysis: \$C3524 Volatile Organic Compounds-Cal 1  
Units: ug  
Started: 12/14/01 00:01 Ended: 12/14/01 00:01 Analyst: BH  
Result source: a:\1213c10b.rr  
Page: 2

|    | Component Name         | Viol | Result | Qualifier | MDL |
|----|------------------------|------|--------|-----------|-----|
| 49 | 1,3,5-trimethylbenzene |      | 8.8    |           | .5  |
| 50 | 2-chlorotoluene        |      | 9.5    |           | .5  |
| 51 | 4-chlorotoluene        |      | 9.3    |           | .5  |
| 52 | TERT-butylbenzene      |      | 8.5    |           | .5  |
| 53 | 1,2,4-trimethylbenzene |      | 9.1    |           | .5  |
| 54 | SEC-butylbenzene       |      | 9.0    |           | .5  |
| 55 | P-isopropyltoluene     |      | 8.9    |           | .5  |
| 56 | 1,3-dichlorobenzene    |      | 8.8    |           | .5  |
| 57 | 1,4-dichlorobenzene    |      | 8.8    |           | .5  |
| 58 | N-butylbenzene         |      | 9.9    |           | .5  |
| 59 | 1,2-dichlorobenzene    |      | 9.3    |           | .5  |
| 60 | 1,2,4-trichlorobenzene |      | 8.7    |           | .5  |
| 61 | Hexachlobutadiene      |      | 8.4    |           | .5  |
| 62 | Naphthalene            |      | 8.8    |           | .5  |
| 63 | 1,2,3-trichlorobenzene |      | 8.6    |           | .5  |



## Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\01dec13\1213C10B.D  
 Acq On : 14 Dec 2001 1:22 am  
 Sample : cal 10  
 Misc :  
 MS Integration Params: LSCINT.P  
 Quant Time: Dec 14 2:00 2001

Vial: 8  
 Operator: 206-BH  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Results File: HP121001.RES

Quant Method : C:\HPCHEM\1\METHODS\HP121001.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Last Update : Wed Dec 12 08:39:59 2001  
 Response via : Initial Calibration  
 DataAcq Meth : HP121001

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-DIFLUOROBENZENE     | 14.44 | 114  | 578304   | 5.00 | ug/L  | 0.09     |
| 22) CHLOROBENZENE-D5       | 21.05 | 117  | 572784   | 5.00 | ug/L  | 0.09     |
| 50) 1,4-DICHLOROBENZENE-D4 | 26.21 | 152  | 411667   | 5.00 | ug/L  | 0.10     |

## System Monitoring Compounds

|                          |       |     |          |      |         |      |
|--------------------------|-------|-----|----------|------|---------|------|
| 2) 1,2-DICHLOROETHANE-D4 | 13.67 | 65  | 252819   | 6.64 | ug/L    | 0.09 |
| Spiked Amount            | 5.000 |     | Recovery | =    | 132.80% |      |
| 3) 4-BROMOFLUOROBENZENE  | 23.62 | 174 | 248133   | 5.59 | ug/L    | 0.09 |
| Spiked Amount            | 5.000 |     | Recovery | =    | 111.80% |      |
| 23) TOLUENE-D8           | 17.76 | 98  | 817047   | 5.38 | ug/L    | 0.09 |
| Spiked Amount            | 5.000 |     | Recovery | =    | 107.60% |      |

## Target Compounds

|                               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|-------------------------------|-------|------|----------|-------|-------|--------|
| 4) DICHLORODIFLUOROMETHANE    | 4.50  | 85   | 161050   | 8.53  | ug/L  | 100    |
| 5) CHLOROMETHANE              | 5.02  | 50   | 178189   | 15.19 | ug/L  | 99     |
| 6) VINYL CHLORIDE             | 5.17  | 62   | 173235   | 14.84 | ug/L  | 97     |
| 7) BROMOMETHANE               | 6.09  | 94   | 142462   | 13.96 | ug/L  | 99     |
| 8) CHLOROETHANE               | 6.23  | 64   | 132687   | 16.58 | ug/L  | 95     |
| 9) TRICHLOROFLUOROMETHANE     | 6.76  | 101  | 352249   | 13.91 | ug/L  | 100    |
| 10) ACETONE                   | 7.70  | 43   | 43538    | 11.22 | ug/L  | 98     |
| 11) 1,1-DICHLOROETHENE        | 8.03  | 61   | 366992   | 11.17 | ug/L  | 97     |
| 12) METHYLENE CHLORIDE        | 9.02  | 49   | 424120   | 13.31 | ug/L  | 100    |
| 13) METHYL TERT BUTYL ETHER   | 9.31  | 73   | 403469   | 9.60  | ug/L  | 99     |
| 14) TRANS-1,2-DICHLOROETHENE  | 9.67  | 61   | 397758   | 11.16 | ug/L  | 99     |
| 15) 1,1-DICHLOROETHANE        | 10.54 | 63   | 509347   | 11.46 | ug/L  | 100    |
| 16) 2-BUTANONE (MEK)          | 11.37 | 43   | 85869    | 12.53 | ug/L  | 100    |
| 17) 2,2-DICHLOROPROPANE       | 11.73 | 77   | 330962   | 9.03  | ug/L  | 97     |
| 18) CIS-1,2-DICHLOROETHENE    | 11.83 | 96   | 236665   | 9.50  | ug/L  | 98     |
| 19) CHLOROFORM                | 12.17 | 83   | 498811   | 11.76 | ug/L  | 100    |
| 20) BROMOCHLOROMETHANE        | 12.53 | 49   | 258893   | 12.86 | ug/L  | 88     |
| 21) 1,2-DICHLOROETHANE        | 13.88 | 62   | 366036   | 12.82 | ug/L  | 98     |
| 24) 1,1,1-TRICHLOROETHANE     | 13.04 | 97   | 396753   | 11.28 | ug/L  | 97     |
| 25) 1,1-DICHLOROPROPENE       | 13.38 | 75   | 382652   | 11.02 | ug/L  | 98     |
| 26) CARBON TETRACHLORIDE      | 13.62 | 117  | 337571   | 11.28 | ug/L  | 100    |
| 27) BENZENE                   | 13.98 | 78   | 1049457  | 10.40 | ug/L  | 99     |
| 28) TRICHLOROETHENE           | 15.24 | 95   | 279783   | 10.35 | ug/L  | 93     |
| 29) 1,2-DICHLOROPROPANE       | 15.58 | 63   | 311804   | 11.09 | ug/L  | 99     |
| 30) DIBROMOMETHANE            | 16.25 | 174  | 83542    | 8.35  | ug/L  | 88     |
| 31) BROMODICHLOROMETHANE      | 16.09 | 83   | 386446   | 11.93 | ug/L  | 98     |
| 32) 2-CHLOROETHYL VINYL ETHER | 16.59 | 63   | 106655   | 10.22 | ug/L  | 99     |
| 33) Methyl iso-butyl ketone   | 16.65 | 58   | 55191    | 10.28 | ug/L  | 84     |

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

1213C10B.D HP121001.M Fri Dec 14 02:00:54 2001

Page 1

## Quantitation Report (Not Reviewed)

File : C:\HPCHEM\1\DATA\01dec13\1213C10B.D  
 On : 14 Dec 2001 1:22 am  
 le : cal 10

Vial: 8  
 Operator: 206-BH  
 Inst : GC/MS Ins  
 Multiplr: 1.00

BH  
 IS Ins

Integration Params: LSCINT.P

Time: Dec 14 2:00 2001

Quant Results File: HP121001.RES

1001.RES

Method : C:\HPCHEM\1\METHODS\HP121001.M (RTE Integrator)

e : VOCs BY EPA METHOD 524

Update : Wed Dec 12 08:39:59 2001

onset via : Initial Calibration

Acq Meth : HP121001

| Compound                  | R.T.  | QIon | Response | Conc   | Unit | Qvalue |
|---------------------------|-------|------|----------|--------|------|--------|
| IS-1,3-DICHLOROPROPENE    | 17.18 | 75   | 417458   | 10.29  | ug/L | 99     |
| OLUENE                    | 17.95 | 91   | 1175308  | 10.32  | ug/L | 100    |
| RANS-1,3-DICHLOROPROPENE  | 18.22 | 75   | 352015   | 11.18  | ug/L | 97     |
| ,1,2-TRICHLOROETHANE      | 18.60 | 97   | 160248   | 10.27  | ug/L | 96     |
| ETRACHLOROETHENE          | 19.38 | 166  | 226408   | 8.43   | ug/L | 98     |
| ,3-DICHLOROPROPANE        | 19.12 | 76   | 327757   | 10.88  | ug/L | 98     |
| IBROMOCHLOROMETHANE       | 19.81 | 129  | 189384   | 9.99   | ug/L | 97     |
| ,2-DIBROMOETHANE          | 20.25 | 107  | 142952   | 9.63   | ug/L | 99     |
| HLOOROBENZENE             | 21.14 | 112  | 739437   | 9.76   | ug/L | 94     |
| ,1,1,2-TETRACHLOROETHANE  | 21.17 | 131  | 248468   | 10.06  | ug/L | 95     |
| -HEXANONE                 | 18.51 | 43   | 115626   | 12.89  | ug/L | 94     |
| THYLBENZENE               | 21.17 | 91   | 1491932  | 10.64  | ug/L | 95     |
| & M-XYLENE                | 21.34 | 106  | 1091191  | 20.70  | ug/L | 93     |
| -XYLENE                   | 22.31 | 91   | 1287338  | 11.51  | ug/L | 98     |
| TYRENE                    | 22.36 | 104  | 945277   | 10.87  | ug/L | 97     |
| ,1,2,2-TETRACHLOROETHANE  | 23.38 | 83   | 198848   | 11.92  | ug/L | 99     |
| ROMOFORM                  | 23.20 | 173  | 103718   | 8.33   | ug/L | 100    |
| SOPROPYLBENZENE           | 23.03 | 105  | 1525347  | 8.48   | ug/L | 99     |
| ,2,3-TRICHLOROPROPANE     | 23.71 | 110  | 55427    | 8.45   | ug/L | 99     |
| -PROPYLBENZENE            | 23.90 | 91   | 2030724  | 8.71   | ug/L | 98     |
| ROMOBENZENE               | 24.12 | 156  | 308840   | 8.06   | ug/L | 88     |
| ,3,5-TRIMETHYLBENZENE     | 24.22 | 105  | 1359623  | 8.76   | ug/L | 96     |
| -CHLOROTOLUENE            | 24.37 | 91   | 1404328  | 9.50   | ug/L | 99     |
| -CHLOROTOLUENE            | 24.44 | 91   | 1227678  | 9.27   | ug/L | 97     |
| ERT-BUTYLBENZENE          | 25.00 | 134  | 281836   | 8.50   | ug/L | 95     |
| ,2,4-TRIMETHYLBENZENE     | 25.09 | 105  | 1460404  | 9.06   | ug/L | 97     |
| EC-BUTYLBENZENE           | 25.45 | 105  | 1935893  | 8.95   | ug/L | 98     |
| -ISOPROPYLTOLUENE         | 25.72 | 119  | 1550453  | 8.93   | ug/L | 97     |
| ,3-DICHLOROBENZENE        | 26.06 | 146  | 732277   | 8.85   | ug/L | 98     |
| ,4-DICHLOROBENZENE        | 26.28 | 146  | 731777   | 8.84   | ug/L | 98     |
| -BUTYLBENZENE             | 26.60 | 91   | 1640034  | 9.87   | ug/L | 98     |
| ,2-DICHLOROBENZENE        | 27.12 | 146  | 632994   | 9.26   | ug/L | 98     |
| ,2-DIBROMO-3-CHLOROPROPAN | 28.77 | 157  | 30060    | 8.61   | ug/L | 92     |
| ITROBENZENE               | 28.96 | 77   | 236950   | 164.59 | ug/L | 95     |
| ,2,4-TRICHLOROBENZENE     | 30.69 | 180  | 329985   | 8.71   | ug/L | 100    |
| EXACHLOROBUTADIENE        | 30.95 | 225  | 193556   | 8.41   | ug/L | 99     |
| APHTHALENE                | 31.37 | 128  | 367682   | 8.81   | ug/L | 100    |
| ,2,3-TRICHLOROBENZENE     | 31.92 | 180  | 240313   | 8.65   | ug/L | 100    |

qualifier out of range (m) = manual integration

OB.D HP121001.M Fri Dec 14 02:00:57 2001

Page 2

User: Huhn, William  
 Westchester Dept. of Labs & Research  
 Date: 12/17/2001 Time: 10:10:56

Sample: AD29465  
 Analysis: \$F\_524 Volatile Organic Compounds-Field Blank  
 Units: ug  
 Started: 12/14/01 00:02 Ended: 12/14/01 00:02 Analyst: BH  
 Result source: a:\29465f.rr  
 Page: 1

|    | Component Name                 | Vol | Result | Qualifier | MDL |
|----|--------------------------------|-----|--------|-----------|-----|
| 1  | Surr_1,2-DICHLOROETHANE-       |     | 7.0    |           | .5  |
| 2  | Surr_4-BROMOFLUOROBENZE        |     | 4.2    |           | .5  |
| 3  | Dichlorodifluoromethane        |     | < MDL  |           | .5  |
| 4  | Chloromethane                  |     | < MDL  |           | .5  |
| 5  | Vinyl chloride                 |     | < MDL  |           | .5  |
| 6  | Bromomethane                   |     | < MDL  |           | .5  |
| 7  | Chloroethane                   |     | < MDL  |           | .5  |
| 8  | Trichlorofluoromethane         |     | < MDL  |           | .5  |
| 9  | 1,1-Dichloroethene             |     | < MDL  |           | .5  |
| 10 | Methylene Chloride             |     | < MDL  |           | .5  |
| 11 | Methyl tert-butyl ether (MTBE) |     | < MDL  |           | 1.0 |
| 12 | trans-1,2-dichloroethene       |     | < MDL  |           | .5  |
| 13 | 1,1-dichloroethane             |     | < MDL  |           | .5  |
| 14 | 2-butanone (MEK)               |     | < MDL  |           | 2.0 |
| 15 | 2,2-dichloropropane            |     | < MDL  |           | .5  |
| 16 | cis-1,2-dichloroethene         |     | < MDL  |           | .5  |
| 17 | Chloroform                     |     | < MDL  |           | .5  |
| 18 | Bromochloromethane             |     | < MDL  |           | .5  |
| 19 | 1,2-dichloroethane             |     | < MDL  |           | .5  |
| 20 | Surr_TOLUENE-D8                |     | 5.4    |           | .5  |
| 21 | 1,1,1- trichloroethane         |     | < MDL  |           | .5  |
| 22 | 1,1-dichloropropene            |     | < MDL  |           | .5  |
| 23 | Carbon tetrachloride           |     | < MDL  |           | .5  |
| 24 | Benzene                        |     | < MDL  |           | .5  |
| 25 | Trichloroethene                |     | < MDL  |           | .5  |
| 26 | 1,2-dichloropropane            |     | < MDL  |           | .5  |
| 27 | Dibromomethane                 |     | < MDL  |           | .5  |
| 28 | Bromodichloromethane           |     | < MDL  |           | .5  |
| 29 | Methy iso-butyl ketone (MIBK)  |     | < MDL  |           | 1.0 |
| 30 | cis-1,3-dichloropropene        |     | < MDL  |           | .5  |
| 31 | Toluene                        |     | < MDL  |           | .5  |
| 32 | trans-1,3-dichloropropene      |     | < MDL  |           | .5  |
| 33 | 1,1,2-trichloroethane          |     | < MDL  |           | .5  |
| 34 | Tetrachloroethene              |     | < MDL  |           | .5  |
| 35 | 1,3-dichloropropane            |     | < MDL  |           | .5  |
| 36 | Dibromochloromethane           |     | < MDL  |           | 2.0 |
| 37 | Chlorobenzene                  |     | < MDL  |           | .5  |
| 38 | 1,1,1,2-tetrachloroethane      |     | < MDL  |           | .5  |
| 39 | Ethylbenzene                   |     | < MDL  |           | .5  |
| 40 | P & M-xylene                   |     | < MDL  |           | .5  |
| 41 | O-xylene                       |     | < MDL  |           | .5  |
| 42 | Styrene                        |     | < MDL  |           | .5  |
| 43 | 1,1,2,2-tetrachloroethane      |     | < MDL  |           | .5  |
| 44 | Bromoform                      |     | < MDL  |           | 2.0 |
| 45 | Isopropylbenzene               |     | < MDL  |           | .5  |
| 46 | 1,2,3-trichloropropane         |     | < MDL  |           | .5  |
| 47 | N-propylbenzene                |     | < MDL  |           | .5  |
| 48 | Bromobenzene                   |     | < MDL  |           | .5  |

99% 11

Acetone 61

User: Huhn, William  
Westchester Dept. of Labs & Research  
Date: 12/17/2001 Time: 10:10:56

Sample: AD29465

Analysis: \$F\_524 Volatile Organic Compounds-Field Blank

Units: ug

Started: 12/14/01 00:02 Ended: 12/14/01 00:02 Analyst: BH

Result source: a:\29465f.rr

Page: 2

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

**Comments for Sample AD29465 - Analysis \$F\_524**

Westchester Dept. of Labs & Research

User: Vannelli, Sandy

Date: 12-20-2001 Time: 15:31:11

ONE OF THREE SURROGATES IS 11% ABOVE THE UCL.

Quantitation Report

(Not Reviewed)

Data File : C:\HPCHEM\1\DATA\01dec13\29465F.D  
 Acq On : 14 Dec 2001 2:49 am  
 Sample : fb  
 Misc :  
 MS Integration Params: LSCINT.P  
 Quant Time: Dec 14 3:27 2001

Vial: 10  
 Operator: 206-BH  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Results File: HP121001.RES

Quant Method : C:\HPCHEM\1\METHODS\HP121001.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Last Update : Wed Dec 12 08:39:59 2001  
 Response via : Initial Calibration  
 DataAcq Meth : HP121001

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev (Min) |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) 1,4-DIFLUOROBENZENE      | 14.44 | 114  | 540447   | 5.00  | ug/L    | 0.09      |
| 22) CHLOROBENZENE-D5        | 21.05 | 117  | 548982   | 5.00  | ug/L    | 0.09      |
| 50) 1,4-DICHLOROBENZENE-D4  | 26.21 | 152  | 242341   | 5.00  | ug/L    | 0.10      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 2) 1,2-DICHLOROETHANE-D4    | 13.67 | 65   | 247524   | 6.95  | ug/L    | 0.09      |
| Spiked Amount 5.000         |       |      | Recovery | =     | 139.00% |           |
| 3) 4-BROMOFLUOROBENZENE     | 23.62 | 174  | 173871   | 4.19  | ug/L    | 0.09      |
| Spiked Amount 5.000         |       |      | Recovery | =     | 83.80%  |           |
| 23) TOLUENE-D8              | 17.76 | 98   | 790275   | 5.43  | ug/L    | 0.09      |
| Spiked Amount 5.000         |       |      | Recovery | =     | 108.60% |           |
| Target Compounds            |       |      |          |       |         |           |
| 10) ACETONE                 | 7.69  | 43   | 222233   | 61.30 | ug/L    | Qvalue 94 |
| 16) 2-BUTANONE (MEK)        | 11.42 | 43   | 2688     | 0.42  | ug/L    | 64        |

-----  
 (#) = qualifier out of range (m) = manual integration  
 29465F.D HP121001.M Fri Dec 14 03:27:59 2001

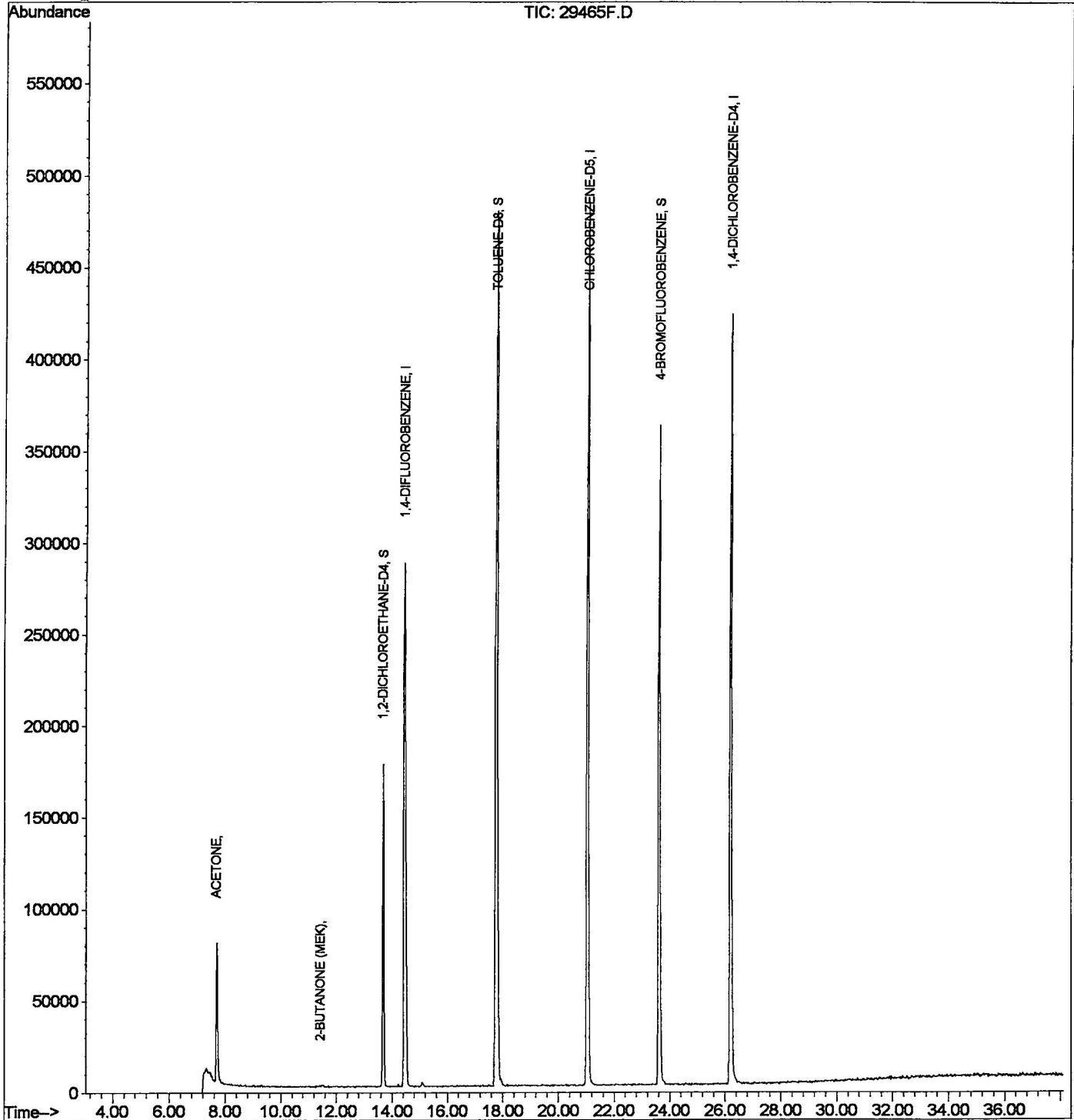
## Quantitation Report

Data File : C:\HPCHEM\1\DATA\01dec13\29465F.D  
Acq On : 14 Dec 2001 2:49 am  
Sample : fb  
Misc :  
MS Integration Params: LSCINT.P  
Quant Time: Dec 14 3:27 2001

Vial: 10  
Operator: 206-BH  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Results File: HP121001.RES

Method : C:\HPCHEM\1\METHODS\HP121001.M (RTE Integrator)  
Title : VOCs BY EPA METHOD 524  
Last Update : Wed Dec 12 08:39:32 2001  
Response via : Initial Calibration



## Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\01dec13\29465F.D  
Acq On : 14 Dec 2001 2:49 am  
Sample : fb  
Misc :  
MS Integration Params: LSCINT.P

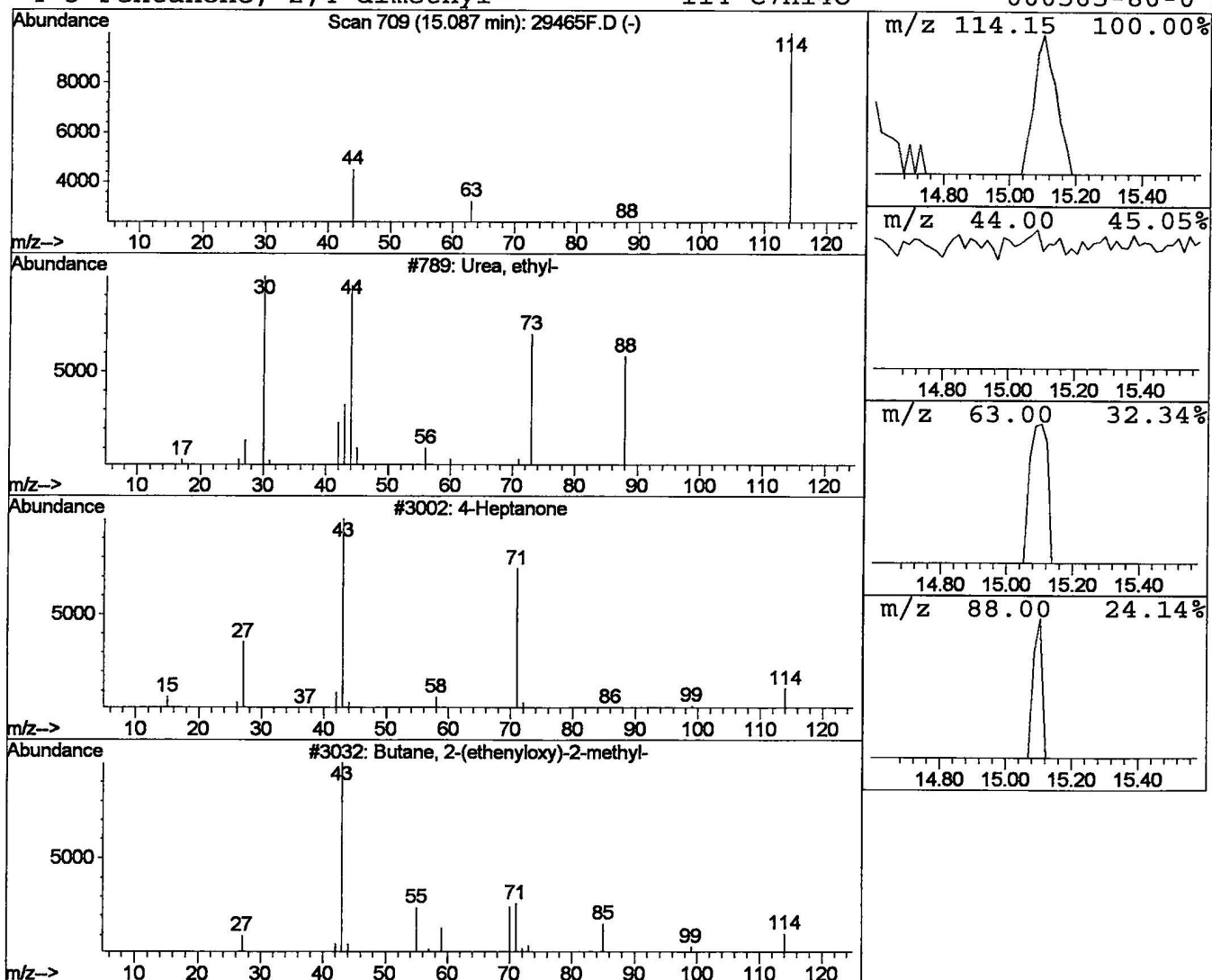
Vial: 10  
Operator: 206-BH  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP121001.M (RTE Integrator)  
Title : VOCs BY EPA METHOD 524  
Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
Peak Number 3 Urea, ethyl- Concentration Rank 2

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 15.09 | 0.04 ug/L | 11228 | 1,4-DIFLUOROBENZENE | 14.44 |

| Hit# | of | 5 | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------------|-----|---------|-------------|------|
| 1    |    |   | Urea, ethyl-                     | 88  | C3H8N2O | 000625-52-5 | 4    |
| 2    |    |   | 4-Heptanone                      | 114 | C7H14O  | 000123-19-3 | 3    |
| 3    |    |   | Butane, 2-(ethenyloxy)-2-methyl- | 114 | C7H14O  | 029281-39-8 | 3    |
| 4    |    |   | 3-Pentanone, 2,4-dimethyl-       | 114 | C7H14O  | 000565-80-0 | 3    |





# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\01dec13\29465F.D  
 Acq On : 14 Dec 2001 2:49 am  
 Sample : fb  
 Misc :  
 MS Integration Params: LSCINT.P

Vial: 10  
 Operator: 206-BH  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\HP121001.M (RTE Integrator)  
 Title : VOCs BY EPA METHOD 524  
 Library : C:\DATABASE\NBS75K.L

\*\*\*\*\*  
 Peak Number 4 Cyclobutene, 2-propenylidene- Concentration Rank 1

| R.T.  | EstConc   | Area  | Relative to ISTD | R.T.  |
|-------|-----------|-------|------------------|-------|
| 17.93 | 0.04 ug/L | 16308 | CHLOROBENZENE-D5 | 21.05 |

| Hit# | of | Tentative ID                  | MW | MolForm | CAS#        | Qual |
|------|----|-------------------------------|----|---------|-------------|------|
| 1    | 5  | Cyclobutene, 2-propenylidene- | 92 | C7H8    | 052097-85-5 | 4    |
| 2    |    | 1,3,5-Cycloheptatriene        | 92 | C7H8    | 000544-25-2 | 4    |
| 3    |    | 1,6-Heptadiyne                | 92 | C7H8    | 002396-63-6 | 3    |
| 4    |    | Propiolonitrile               | 51 | C3HN    | 001070-71-9 | 3    |

