New England ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

05/07/07

# Technical Report for

GEI Consultants, Inc.

Tufts Street Somerville MA

045162

Accutest Job Number: M64162

Sampling Dates: 04/12/07 - 04/17/07

Report to:

GEI Consultants
400 Unicorn Park Drive
Woburn, MA 01801-1970

ATTN: Raymond Siegener, Ph.D.

Total number of pages in report: **917**

ACCUTEST LABORATORIES 50 YEARS 1956-2006

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Reza Tand
Lab Director

Certifications: MA (M-MA136) CT (PH-0109) NH (250204) RI (00071) ME (MA136) FL (E87579) NY (23346) NJ (MA926) NAVY USACE

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# Sample Summary

GEI Consultants, Inc.

**Job No:** M64162

Tufts Street Somerville MA
Project No: 045162

| Sample Number | Collected Date | Time | By | Received | Matrix Code | Type | Client Sample ID |
|---|---|---|---|---|---|---|---|
| M64162-1 | 04/13/07 | 10:36 | TAD | 04/18/07 | AQ | Ground Water | 045162-MW101 |
| M64162-2 | 04/13/07 | 13:57 | SLS | 04/18/07 | AQ | Ground Water | 045162-MW102 |
| M64162-3 | 04/13/07 | 15:46 | SLS | 04/18/07 | AQ | Ground Water | 045162-MW103 |
| M64162-4 | 04/13/07 | 14:46 | TAD | 04/18/07 | AQ | Ground Water | 045162-MW104 |
| M64162-5 | 04/16/07 | 14:18 | TAD | 04/18/07 | AQ | Ground Water | 045162-MW105 |
| M64162-6 | 04/13/07 | 11:00 | SLS | 04/18/07 | AQ | Ground Water | 045162-MW106 |
| M64162-7 | 04/13/07 | 12:46 | SLS | 04/18/07 | AQ | Ground Water | 045162-MW107 |
| M64162-8 | 04/16/07 | 10:02 | SLS | 04/18/07 | AQ | Ground Water | 045162-MW108 |
| M64162-9 | 04/16/07 | 12:42 | TAD | 04/18/07 | AQ | Ground Water | 045162-MW109 |
| M64162-10 | 04/17/07 | 12:55 | TAD | 04/18/07 | AQ | Ground Water | 045162-MW110 |
| M64162-11 | 04/16/07 | 16:40 | SLS | 04/18/07 | AQ | Ground Water | 045162-MW111 |
| M64162-12 | 04/16/07 | 14:24 | SLS | 04/18/07 | AQ | Ground Water | 045162-MW112A |
| M64162-13 | 04/12/07 | 16:55 | TAD | 04/18/07 | AQ | Ground Water | 045162-MW113 |

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# Sample Summary
(continued)

GEI Consultants, Inc.

**Job No:** M64162

Tufts Street Somerville MA
Project No: 045162

| Sample Number | Collected Date | Time | By | Received | Matrix Code | Type | Client Sample ID |
|---|---|---|---|---|---|---|---|
| M64162-14 | 04/13/07 | 11:44 | TAD | 04/18/07 | AQ | Ground Water | 045162-MW114 |
| M64162-15 | 04/13/07 | 12:44 | TAD | 04/18/07 | AQ | Ground Water | 045162-MW115 |
| M64162-16 | 04/16/07 | 15:48 | SLS | 04/18/07 | AQ | Ground Water | 045162-MW116 |
| M64162-16D | 04/16/07 | 15:48 | SLS | 04/18/07 | AQ | Water Dup/MSD | 045162-MW116MSD |
| M64162-16S | 04/16/07 | 15:48 | SLS | 04/18/07 | AQ | Water Matrix Spike | 045162-MW116MS |
| M64162-17 | 04/12/07 | 13:40 | SLS | 04/18/07 | AQ | Ground Water | 045162-GEO1 |
| M64162-18 | 04/12/07 | 13:15 | TAD | 04/18/07 | AQ | Ground Water | 045162-GEO2 |
| M64162-19 | 04/13/07 | 09:35 | TAD | 04/18/07 | AQ | Ground Water | 045162-GEO3 |
| M64162-20 | 04/16/07 | 11:58 | TAD | 04/18/07 | AQ | Ground Water | 045162-GEO4 |
| M64162-21 | 04/16/07 | 10:42 | TAD | 04/18/07 | AQ | Ground Water | 045162-GEO5 |
| M64162-22 | 04/16/07 | 09:48 | TAD | 04/18/07 | AQ | Ground Water | 045162-GEO6 |
| M64162-23 | 04/12/07 | 16:30 | SLS | 04/18/07 | AQ | Ground Water | 045162-SHMW1 |
| M64162-24 | 04/16/07 | 15:44 | TAD | 04/18/07 | AQ | Ground Water | 045162-SHMW2 |

# Sample Summary
(continued)

GEI Consultants, Inc.

**Job No:** M64162

Tufts Street Somerville MA
Project No: 045162

| Sample Number | Collected Date | Time | By | Received | Matrix Code | Type | Client Sample ID |
|---|---|---|---|---|---|---|---|
| M64162-25 | 04/12/07 | 15:10 | TAD | 04/18/07 | AQ | Ground Water | 045162-SHMW3 |
| M64162-26 | 04/17/07 | 13:25 | TAD | 04/18/07 | AQ | Ground Water | 045162-MW1 |
| M64162-27 | 04/17/07 | 13:40 | TAD | 04/18/07 | AQ | Ground Water | 045162-MW3 |
| M64162-28 | 04/13/07 | 12:00 | TAD | 04/18/07 | AQ | Ground Water | 045162-MW900 |
| M64162-29 | 04/16/07 | 13:00 | TAD | 04/18/07 | AQ | Ground Water | 045162-MW901 |
| M64162-30 | 04/13/07 | 00:00 | TAD | 04/18/07 | AQ | Trip Blank Water | TRIP BLANK |

# SAMPLE DELIVERY GROUP CASE NARRATIVE

| | | | |
|---|---|---|---|
| **Client:** | GEI Consultants, Inc. | **Job No** | M64162 |
| **Site:** | Tufts Street Somerville MA | **Report Date** | 5/4/2007 9:14:13 AM |

29 Sample(s) and 1 Trip Blank were collected on between 04/12/2007 and 04/17/2007 and were received at Accutest on 04/18/2007 properly preserved, at 1.9 Deg. C and intact. These Samples received an Accutest job number of M64162. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

## Volatiles by GCMS By Method SW846 8260B

**Matrix** AQ **Batch ID:** MSG2784

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) M64162-16MS, M64162-16MSD were used as the QC samples indicated.

**Matrix** AQ **Batch ID:** MSG2785

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) M64143-3MS, M64143-3MSD were used as the QC samples indicated.
- MS/MSD Recovery(s) for n-Butylbenzene are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike.
- MSG2785-BS for Acetone: Outside control limits. Associated samples are non-detect for this compound.
- RPD for MSG2785-BSD for Acetone, 2-Butanone (MEK): Outside control limits. Associated samples are non-detect for this compound.

**Matrix** AQ **Batch ID:** MSN683

- All samples were analyzed within the recommended method holding time.
- Sample(s) M64073-9MS, M64073-9MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- MSN683-BS/MSN683-BSD for Dichlorodifluoromethane: Outside control limits. Associated samples are non-detect for this compound.
- M64073-9MS/M64073-9MSD for Dichlorodifluoromethane: Outside control limits. Associated samples are non-detect for this compound.

**Matrix** AQ **Batch ID:** MSN684

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) M64100-1MS, M64100-1MSD were used as the QC samples indicated.
- Matrix Spike Recovery(s) for Chloroethane are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike.
- Matrix Spike Duplicate Recovery(s) for Chloromethane are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike.
- M64100-1MSD for Dichlorodifluoromethane, Vinyl chloride: Outside control limits. Associated samples are non-detect for this compound.
- M64100-1MS for 1,1,1-Trichloroethane, Dichlorodifluoromethane, Vinyl chloride: Outside control limits. Associated samples are non-detect for this compound.
- MSN684-BS for Dichlorodifluoromethane: Outside control limits. Associated samples are non-detect for this compound.

## Volatiles by GCMS By Method SW846 8260B

| Matrix | AQ | Batch ID: | MSN684 |
|---|---|---|---|

- MSN684-BSD for Dichlorodifluoromethane, 1,1,1-Trichloroethane, Vinyl chloride: Outside control limits. Associated samples are non-detect for this compound.

| Matrix | AQ | Batch ID: | MSP589 |
|---|---|---|---|

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) M64162-13MS, M64162-13MSD were used as the QC samples indicated.

Note: Compounds whose QC limits are outside MCP criteria are designated by the lab as "Difficult". QC criteria for a "Difficult" compound may meet Accutest in-house generated QC criteria but exceed MCP criteria (compounds exceeding Accutest QC criteria are flagged on the QC summary). Refer to the QC summary pages.

The Accutest Laboratories of New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety.The Accutest Laboratories of NE, Laboratory Director or assignee as verified by the signature on the cover page has authorized the release of this report(M64162).

## Sample Results

Report of Analysis

Accutest Laboratories

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-MW101 | | |
| **Lab Sample ID:** | M64162-1 | **Date Sampled:** | 04/13/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | N18914.D | 1 | 04/27/07 | AT | n/a | n/a | MSN684 |
| Run #2 | P17208.D | 1 | 04/26/07 | AMY | n/a | n/a | MSP589 |

| | Purge Volume |
|---|---|
| Run #1 | 5.0 ml |
| Run #2 | 5.0 ml |

**VOA MCP List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | 5.0 | 2.8 | ug/l | |
| 71-43-2 | Benzene | ND | 0.50 | 0.23 | ug/l | |
| 108-86-1 | Bromobenzene | ND | 5.0 | 0.23 | ug/l | |
| 74-97-5 | Bromochloromethane | ND | 5.0 | 0.44 | ug/l | |
| 75-27-4 | Bromodichloromethane | ND | 1.0 | 0.26 | ug/l | |
| 75-25-2 | Bromoform | ND | 1.0 | 0.47 | ug/l | |
| 74-83-9 | Bromomethane | ND | 2.0 | 0.61 | ug/l | |
| 78-93-3 | 2-Butanone (MEK) | ND | 5.0 | 1.8 | ug/l | |
| 104-51-8 | n-Butylbenzene | ND | 5.0 | 0.32 | ug/l | |
| 135-98-8 | sec-Butylbenzene | ND | 5.0 | 0.50 | ug/l | |
| 98-06-6 | tert-Butylbenzene | ND | 5.0 | 0.23 | ug/l | |
| 75-15-0 | Carbon disulfide | ND | 5.0 | 0.41 | ug/l | |
| 56-23-5 | Carbon tetrachloride | ND | 1.0 | 0.21 | ug/l | |
| 108-90-7 | Chlorobenzene | ND | 1.0 | 0.32 | ug/l | |
| 75-00-3 | Chloroethane | ND | 2.0 | 0.65 | ug/l | |
| 67-66-3 | Chloroform | ND | 1.0 | 0.18 | ug/l | |
| 74-87-3 | Chloromethane | ND | 2.0 | 0.20 | ug/l | |
| 95-49-8 | o-Chlorotoluene | ND | 5.0 | 0.21 | ug/l | |
| 106-43-4 | p-Chlorotoluene | ND | 5.0 | 0.27 | ug/l | |
| 108-20-3 | Di-Isopropyl ether | ND | 2.0 | 0.13 | ug/l | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 5.0 | 0.85 | ug/l | |
| 124-48-1 | Dibromochloromethane | ND | 1.0 | 0.34 | ug/l | |
| 106-93-4 | 1,2-Dibromoethane | ND | 2.0 | 0.40 | ug/l | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 1.0 | 0.29 | ug/l | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 1.0 | 0.18 | ug/l | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 1.0 | 0.20 | ug/l | |
| 75-71-8 | Dichlorodifluoromethane | ND | 2.0 | 0.74 | ug/l | |
| 75-34-3 | 1,1-Dichloroethane | ND | 1.0 | 0.18 | ug/l | |
| 107-06-2 | 1,2-Dichloroethane | 3.9 | 1.0 | 0.20 | ug/l | |
| 75-35-4 | 1,1-Dichloroethene | ND | 1.0 | 0.35 | ug/l | |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 1.0 | 0.36 | ug/l | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1.0 | 0.40 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-MW101 | | |
| **Lab Sample ID:** | M64162-1 | **Date Sampled:** | 04/13/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

**VOA MCP List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 78-87-5 | 1,2-Dichloropropane | ND | 2.0 | 0.28 | ug/l | |
| 142-28-9 | 1,3-Dichloropropane | ND | 5.0 | 0.27 | ug/l | |
| 594-20-7 | 2,2-Dichloropropane | ND | 5.0 | 0.28 | ug/l | |
| 563-58-6 | 1,1-Dichloropropene | ND | 5.0 | 0.21 | ug/l | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.50 | 0.30 | ug/l | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.50 | 0.31 | ug/l | |
| 123-91-1 | 1,4-Dioxane | ND | 25 | 13 | ug/l | |
| 60-29-7 | Ethyl Ether | ND | 5.0 | 1.9 | ug/l | |
| 100-41-4 | Ethylbenzene | ND | 1.0 | 0.21 | ug/l | |
| 87-68-3 | Hexachlorobutadiene | ND | 5.0 | 0.42 | ug/l | |
| 591-78-6 | 2-Hexanone | ND | 5.0 | 0.76 | ug/l | |
| 98-82-8 | Isopropylbenzene | ND | 5.0 | 0.17 | ug/l | |
| 99-87-6 | p-Isopropyltoluene | ND | 5.0 | 0.27 | ug/l | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 1.0 | 0.14 | ug/l | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 5.0 | 0.50 | ug/l | |
| 74-95-3 | Methylene bromide | ND | 5.0 | 0.27 | ug/l | |
| 75-09-2 | Methylene chloride | ND | 2.0 | 0.27 | ug/l | |
| 91-20-3 | Naphthalene | ND | 5.0 | 0.68 | ug/l | |
| 103-65-1 | n-Propylbenzene | ND | 5.0 | 0.21 | ug/l | |
| 100-42-5 | Styrene | ND | 5.0 | 0.23 | ug/l | |
| 994-05-8 | tert-Amyl Methyl Ether | ND | 2.0 | 0.12 | ug/l | |
| 637-92-3 | tert-Butyl Ethyl Ether | ND | 2.0 | 0.22 | ug/l | |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 5.0 | 0.31 | ug/l | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 1.0 | 0.22 | ug/l | |
| 127-18-4 | Tetrachloroethene | 94.0 | 1.0 | 0.34 | ug/l | |
| 109-99-9 | Tetrahydrofuran | ND | 10 | 1.2 | ug/l | |
| 108-88-3 | Toluene | ND | 1.0 | 0.24 | ug/l | |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 5.0 | 0.43 | ug/l | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.0 | 0.49 | ug/l | |
| 71-55-6 | 1,1,1-Trichloroethane | 50.5 [a] | 1.0 | 0.21 | ug/l | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.0 | 0.32 | ug/l | |
| 79-01-6 | Trichloroethene | 47.2 | 1.0 | 0.30 | ug/l | |
| 75-69-4 | Trichlorofluoromethane | ND | 1.0 | 0.31 | ug/l | |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 5.0 | 0.25 | ug/l | |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 5.0 | 0.18 | ug/l | |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 5.0 | 0.15 | ug/l | |
| 75-01-4 | Vinyl chloride | ND | 1.0 | 0.24 | ug/l | |
| | m,p-Xylene | ND | 1.0 | 0.54 | ug/l | |
| 95-47-6 | o-Xylene | ND | 1.0 | 0.37 | ug/l | |
| 1330-20-7 | Xylene (total) | ND | 1.0 | 0.37 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-MW101 | | |
| **Lab Sample ID:** | M64162-1 | **Date Sampled:** | 04/13/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

**VOA MCP List**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 120% | 110% | 84-129% |
| 2037-26-5 | Toluene-D8 | 104% | 102% | 80-120% |
| 460-00-4 | 4-Bromofluorobenzene | 102% | 98% | 82-118% |

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-MW102 | | |
| **Lab Sample ID:** | M64162-2 | **Date Sampled:** | 04/13/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | N18915.D | 1 | 04/27/07 | AT | n/a | n/a | MSN684 |
| Run #2 | | | | | | | |

| | Purge Volume |
|---|---|
| Run #1 | 5.0 ml |
| Run #2 | |

**VOA MCP List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | 5.0 | 2.8 | ug/l | |
| 71-43-2 | Benzene | ND | 0.50 | 0.23 | ug/l | |
| 108-86-1 | Bromobenzene | ND | 5.0 | 0.23 | ug/l | |
| 74-97-5 | Bromochloromethane | ND | 5.0 | 0.44 | ug/l | |
| 75-27-4 | Bromodichloromethane | ND | 1.0 | 0.26 | ug/l | |
| 75-25-2 | Bromoform | ND | 1.0 | 0.47 | ug/l | |
| 74-83-9 | Bromomethane | ND | 2.0 | 0.61 | ug/l | |
| 78-93-3 | 2-Butanone (MEK) | ND | 5.0 | 1.8 | ug/l | |
| 104-51-8 | n-Butylbenzene | ND | 5.0 | 0.32 | ug/l | |
| 135-98-8 | sec-Butylbenzene | ND | 5.0 | 0.50 | ug/l | |
| 98-06-6 | tert-Butylbenzene | ND | 5.0 | 0.23 | ug/l | |
| 75-15-0 | Carbon disulfide | ND | 5.0 | 0.41 | ug/l | |
| 56-23-5 | Carbon tetrachloride | ND | 1.0 | 0.21 | ug/l | |
| 108-90-7 | Chlorobenzene | ND | 1.0 | 0.32 | ug/l | |
| 75-00-3 | Chloroethane | ND | 2.0 | 0.65 | ug/l | |
| 67-66-3 | Chloroform | ND | 1.0 | 0.18 | ug/l | |
| 74-87-3 | Chloromethane | ND | 2.0 | 0.20 | ug/l | |
| 95-49-8 | o-Chlorotoluene | ND | 5.0 | 0.21 | ug/l | |
| 106-43-4 | p-Chlorotoluene | ND | 5.0 | 0.27 | ug/l | |
| 108-20-3 | Di-Isopropyl ether | ND | 2.0 | 0.13 | ug/l | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 5.0 | 0.85 | ug/l | |
| 124-48-1 | Dibromochloromethane | ND | 1.0 | 0.34 | ug/l | |
| 106-93-4 | 1,2-Dibromoethane | ND | 2.0 | 0.40 | ug/l | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 1.0 | 0.29 | ug/l | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 1.0 | 0.18 | ug/l | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 1.0 | 0.20 | ug/l | |
| 75-71-8 | Dichlorodifluoromethane | ND | 2.0 | 0.74 | ug/l | |
| 75-34-3 | 1,1-Dichloroethane | ND | 1.0 | 0.18 | ug/l | |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.0 | 0.20 | ug/l | |
| 75-35-4 | 1,1-Dichloroethene | ND | 1.0 | 0.35 | ug/l | |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 1.0 | 0.36 | ug/l | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1.0 | 0.40 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-MW102 | | |
| **Lab Sample ID:** | M64162-2 | **Date Sampled:** | 04/13/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

**VOA MCP List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 78-87-5 | 1,2-Dichloropropane | ND | 2.0 | 0.28 | ug/l | |
| 142-28-9 | 1,3-Dichloropropane | ND | 5.0 | 0.27 | ug/l | |
| 594-20-7 | 2,2-Dichloropropane | ND | 5.0 | 0.28 | ug/l | |
| 563-58-6 | 1,1-Dichloropropene | ND | 5.0 | 0.21 | ug/l | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.50 | 0.30 | ug/l | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.50 | 0.31 | ug/l | |
| 123-91-1 | 1,4-Dioxane | ND | 25 | 13 | ug/l | |
| 60-29-7 | Ethyl Ether | ND | 5.0 | 1.9 | ug/l | |
| 100-41-4 | Ethylbenzene | ND | 1.0 | 0.21 | ug/l | |
| 87-68-3 | Hexachlorobutadiene | ND | 5.0 | 0.42 | ug/l | |
| 591-78-6 | 2-Hexanone | ND | 5.0 | 0.76 | ug/l | |
| 98-82-8 | Isopropylbenzene | ND | 5.0 | 0.17 | ug/l | |
| 99-87-6 | p-Isopropyltoluene | ND | 5.0 | 0.27 | ug/l | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 1.0 | 0.14 | ug/l | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 5.0 | 0.50 | ug/l | |
| 74-95-3 | Methylene bromide | ND | 5.0 | 0.27 | ug/l | |
| 75-09-2 | Methylene chloride | ND | 2.0 | 0.27 | ug/l | |
| 91-20-3 | Naphthalene | ND | 5.0 | 0.68 | ug/l | |
| 103-65-1 | n-Propylbenzene | ND | 5.0 | 0.21 | ug/l | |
| 100-42-5 | Styrene | ND | 5.0 | 0.23 | ug/l | |
| 994-05-8 | tert-Amyl Methyl Ether | ND | 2.0 | 0.12 | ug/l | |
| 637-92-3 | tert-Butyl Ethyl Ether | ND | 2.0 | 0.22 | ug/l | |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 5.0 | 0.31 | ug/l | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 1.0 | 0.22 | ug/l | |
| 127-18-4 | Tetrachloroethene | 20.3 | 1.0 | 0.34 | ug/l | |
| 109-99-9 | Tetrahydrofuran | ND | 10 | 1.2 | ug/l | |
| 108-88-3 | Toluene | ND | 1.0 | 0.24 | ug/l | |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 5.0 | 0.43 | ug/l | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.0 | 0.49 | ug/l | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 1.0 | 0.21 | ug/l | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.0 | 0.32 | ug/l | |
| 79-01-6 | Trichloroethene | 2.0 | 1.0 | 0.30 | ug/l | |
| 75-69-4 | Trichlorofluoromethane | ND | 1.0 | 0.31 | ug/l | |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 5.0 | 0.25 | ug/l | |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 5.0 | 0.18 | ug/l | |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 5.0 | 0.15 | ug/l | |
| 75-01-4 | Vinyl chloride | ND | 1.0 | 0.24 | ug/l | |
| | m,p-Xylene | ND | 1.0 | 0.54 | ug/l | |
| 95-47-6 | o-Xylene | ND | 1.0 | 0.37 | ug/l | |
| 1330-20-7 | Xylene (total) | ND | 1.0 | 0.37 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-MW102 | | |
| **Lab Sample ID:** | M64162-2 | **Date Sampled:** | 04/13/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

**VOA MCP List**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 120% | | 84-129% |
| 2037-26-5 | Toluene-D8 | 103% | | 80-120% |
| 460-00-4 | 4-Bromofluorobenzene | 108% | | 82-118% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-MW103 | | |
| **Lab Sample ID:** | M64162-3 | **Date Sampled:** | 04/13/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | P17213.D | 5 | 04/26/07 | AMY | n/a | n/a | MSP589 |
| Run #2 | | | | | | | |

| | Purge Volume |
|---|---|
| Run #1 | 5.0 ml |
| Run #2 | |

**VOA MCP List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | 25 | 14 | ug/l | |
| 71-43-2 | Benzene | ND | 2.5 | 1.1 | ug/l | |
| 108-86-1 | Bromobenzene | ND | 25 | 1.2 | ug/l | |
| 74-97-5 | Bromochloromethane | ND | 25 | 2.2 | ug/l | |
| 75-27-4 | Bromodichloromethane | ND | 5.0 | 1.3 | ug/l | |
| 75-25-2 | Bromoform | ND | 5.0 | 2.4 | ug/l | |
| 74-83-9 | Bromomethane | ND | 10 | 3.1 | ug/l | |
| 78-93-3 | 2-Butanone (MEK) | ND | 25 | 9.0 | ug/l | |
| 104-51-8 | n-Butylbenzene | ND | 25 | 1.6 | ug/l | |
| 135-98-8 | sec-Butylbenzene | ND | 25 | 2.5 | ug/l | |
| 98-06-6 | tert-Butylbenzene | ND | 25 | 1.1 | ug/l | |
| 75-15-0 | Carbon disulfide | ND | 25 | 2.0 | ug/l | |
| 56-23-5 | Carbon tetrachloride | ND | 5.0 | 1.0 | ug/l | |
| 108-90-7 | Chlorobenzene | ND | 5.0 | 1.6 | ug/l | |
| 75-00-3 | Chloroethane | ND | 10 | 3.2 | ug/l | |
| 67-66-3 | Chloroform | ND | 5.0 | 0.88 | ug/l | |
| 74-87-3 | Chloromethane | ND | 10 | 0.98 | ug/l | |
| 95-49-8 | o-Chlorotoluene | ND | 25 | 1.0 | ug/l | |
| 106-43-4 | p-Chlorotoluene | ND | 25 | 1.3 | ug/l | |
| 108-20-3 | Di-Isopropyl ether | ND | 10 | 0.63 | ug/l | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 25 | 4.3 | ug/l | |
| 124-48-1 | Dibromochloromethane | ND | 5.0 | 1.7 | ug/l | |
| 106-93-4 | 1,2-Dibromoethane | ND | 10 | 2.0 | ug/l | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 5.0 | 1.4 | ug/l | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 5.0 | 0.91 | ug/l | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 5.0 | 1.0 | ug/l | |
| 75-71-8 | Dichlorodifluoromethane | ND | 10 | 3.7 | ug/l | |
| 75-34-3 | 1,1-Dichloroethane | 7.9 | 5.0 | 0.88 | ug/l | |
| 107-06-2 | 1,2-Dichloroethane | ND | 5.0 | 0.98 | ug/l | |
| 75-35-4 | 1,1-Dichloroethene | 8.0 | 5.0 | 1.8 | ug/l | |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 5.0 | 1.8 | ug/l | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 5.0 | 2.0 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-MW103 | | |
| **Lab Sample ID:** | M64162-3 | **Date Sampled:** | 04/13/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

**VOA MCP List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 78-87-5 | 1,2-Dichloropropane | ND | 10 | 1.4 | ug/l | |
| 142-28-9 | 1,3-Dichloropropane | ND | 25 | 1.4 | ug/l | |
| 594-20-7 | 2,2-Dichloropropane | ND | 25 | 1.4 | ug/l | |
| 563-58-6 | 1,1-Dichloropropene | ND | 25 | 1.0 | ug/l | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 2.5 | 1.5 | ug/l | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 2.5 | 1.6 | ug/l | |
| 123-91-1 | 1,4-Dioxane | ND | 130 | 67 | ug/l | |
| 60-29-7 | Ethyl Ether | ND | 25 | 9.7 | ug/l | |
| 100-41-4 | Ethylbenzene | ND | 5.0 | 1.0 | ug/l | |
| 87-68-3 | Hexachlorobutadiene | ND | 25 | 2.1 | ug/l | |
| 591-78-6 | 2-Hexanone | ND | 25 | 3.8 | ug/l | |
| 98-82-8 | Isopropylbenzene | ND | 25 | 0.87 | ug/l | |
| 99-87-6 | p-Isopropyltoluene | ND | 25 | 1.4 | ug/l | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 5.0 | 0.69 | ug/l | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 25 | 2.5 | ug/l | |
| 74-95-3 | Methylene bromide | ND | 25 | 1.3 | ug/l | |
| 75-09-2 | Methylene chloride | ND | 10 | 1.4 | ug/l | |
| 91-20-3 | Naphthalene | ND | 25 | 3.4 | ug/l | |
| 103-65-1 | n-Propylbenzene | ND | 25 | 1.1 | ug/l | |
| 100-42-5 | Styrene | ND | 25 | 1.1 | ug/l | |
| 994-05-8 | tert-Amyl Methyl Ether | ND | 10 | 0.61 | ug/l | |
| 637-92-3 | tert-Butyl Ethyl Ether | ND | 10 | 1.1 | ug/l | |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 25 | 1.5 | ug/l | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 5.0 | 1.1 | ug/l | |
| 127-18-4 | Tetrachloroethene | 1510 | 5.0 | 1.7 | ug/l | |
| 109-99-9 | Tetrahydrofuran | ND | 50 | 6.0 | ug/l | |
| 108-88-3 | Toluene | ND | 5.0 | 1.2 | ug/l | |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 25 | 2.2 | ug/l | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 25 | 2.4 | ug/l | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 5.0 | 1.1 | ug/l | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 5.0 | 1.6 | ug/l | |
| 79-01-6 | Trichloroethene | 58.7 | 5.0 | 1.5 | ug/l | |
| 75-69-4 | Trichlorofluoromethane | ND | 5.0 | 1.5 | ug/l | |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 25 | 1.3 | ug/l | |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 25 | 0.89 | ug/l | |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 25 | 0.75 | ug/l | |
| 75-01-4 | Vinyl chloride | ND | 5.0 | 1.2 | ug/l | |
| | m,p-Xylene | ND | 5.0 | 2.7 | ug/l | |
| 95-47-6 | o-Xylene | ND | 5.0 | 1.9 | ug/l | |
| 1330-20-7 | Xylene (total) | ND | 5.0 | 1.9 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-MW103 | | |
| **Lab Sample ID:** | M64162-3 | **Date Sampled:** | 04/13/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

**VOA MCP List**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 109% | | 84-129% |
| 2037-26-5 | Toluene-D8 | 103% | | 80-120% |
| 460-00-4 | 4-Bromofluorobenzene | 98% | | 82-118% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-MW104 | | |
| **Lab Sample ID:** | M64162-4 | **Date Sampled:** | 04/13/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | P17214.D | 1 | 04/26/07 | AMY | n/a | n/a | MSP589 |
| Run #2 | | | | | | | |

| | Purge Volume |
|---|---|
| Run #1 | 5.0 ml |
| Run #2 | |

**VOA MCP List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | 5.0 | 2.8 | ug/l | |
| 71-43-2 | Benzene | ND | 0.50 | 0.23 | ug/l | |
| 108-86-1 | Bromobenzene | ND | 5.0 | 0.23 | ug/l | |
| 74-97-5 | Bromochloromethane | ND | 5.0 | 0.44 | ug/l | |
| 75-27-4 | Bromodichloromethane | ND | 1.0 | 0.26 | ug/l | |
| 75-25-2 | Bromoform | ND | 1.0 | 0.47 | ug/l | |
| 74-83-9 | Bromomethane | ND | 2.0 | 0.61 | ug/l | |
| 78-93-3 | 2-Butanone (MEK) | ND | 5.0 | 1.8 | ug/l | |
| 104-51-8 | n-Butylbenzene | ND | 5.0 | 0.32 | ug/l | |
| 135-98-8 | sec-Butylbenzene | ND | 5.0 | 0.50 | ug/l | |
| 98-06-6 | tert-Butylbenzene | ND | 5.0 | 0.23 | ug/l | |
| 75-15-0 | Carbon disulfide | ND | 5.0 | 0.41 | ug/l | |
| 56-23-5 | Carbon tetrachloride | ND | 1.0 | 0.21 | ug/l | |
| 108-90-7 | Chlorobenzene | ND | 1.0 | 0.32 | ug/l | |
| 75-00-3 | Chloroethane | 4.7 | 2.0 | 0.65 | ug/l | |
| 67-66-3 | Chloroform | ND | 1.0 | 0.18 | ug/l | |
| 74-87-3 | Chloromethane | ND | 2.0 | 0.20 | ug/l | |
| 95-49-8 | o-Chlorotoluene | ND | 5.0 | 0.21 | ug/l | |
| 106-43-4 | p-Chlorotoluene | ND | 5.0 | 0.27 | ug/l | |
| 108-20-3 | Di-Isopropyl ether | ND | 2.0 | 0.13 | ug/l | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 5.0 | 0.85 | ug/l | |
| 124-48-1 | Dibromochloromethane | ND | 1.0 | 0.34 | ug/l | |
| 106-93-4 | 1,2-Dibromoethane | ND | 2.0 | 0.40 | ug/l | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 1.0 | 0.29 | ug/l | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 1.0 | 0.18 | ug/l | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 1.0 | 0.20 | ug/l | |
| 75-71-8 | Dichlorodifluoromethane | ND | 2.0 | 0.74 | ug/l | |
| 75-34-3 | 1,1-Dichloroethane | 46.8 | 1.0 | 0.18 | ug/l | |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.0 | 0.20 | ug/l | |
| 75-35-4 | 1,1-Dichloroethene | 10 | 1.0 | 0.35 | ug/l | |
| 156-59-2 | cis-1,2-Dichloroethene | 250 | 1.0 | 0.36 | ug/l | |
| 156-60-5 | trans-1,2-Dichloroethene | 3.6 | 1.0 | 0.40 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-MW104 | | |
| **Lab Sample ID:** | M64162-4 | **Date Sampled:** | 04/13/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

**VOA MCP List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 78-87-5 | 1,2-Dichloropropane | ND | 2.0 | 0.28 | ug/l | |
| 142-28-9 | 1,3-Dichloropropane | ND | 5.0 | 0.27 | ug/l | |
| 594-20-7 | 2,2-Dichloropropane | ND | 5.0 | 0.28 | ug/l | |
| 563-58-6 | 1,1-Dichloropropene | ND | 5.0 | 0.21 | ug/l | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.50 | 0.30 | ug/l | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.50 | 0.31 | ug/l | |
| 123-91-1 | 1,4-Dioxane | ND | 25 | 13 | ug/l | |
| 60-29-7 | Ethyl Ether | ND | 5.0 | 1.9 | ug/l | |
| 100-41-4 | Ethylbenzene | ND | 1.0 | 0.21 | ug/l | |
| 87-68-3 | Hexachlorobutadiene | ND | 5.0 | 0.42 | ug/l | |
| 591-78-6 | 2-Hexanone | ND | 5.0 | 0.76 | ug/l | |
| 98-82-8 | Isopropylbenzene | ND | 5.0 | 0.17 | ug/l | |
| 99-87-6 | p-Isopropyltoluene | ND | 5.0 | 0.27 | ug/l | |
| 1634-04-4 | Methyl Tert Butyl Ether | 0.93 | 1.0 | 0.14 | ug/l | J |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 5.0 | 0.50 | ug/l | |
| 74-95-3 | Methylene bromide | ND | 5.0 | 0.27 | ug/l | |
| 75-09-2 | Methylene chloride | ND | 2.0 | 0.27 | ug/l | |
| 91-20-3 | Naphthalene | ND | 5.0 | 0.68 | ug/l | |
| 103-65-1 | n-Propylbenzene | ND | 5.0 | 0.21 | ug/l | |
| 100-42-5 | Styrene | ND | 5.0 | 0.23 | ug/l | |
| 994-05-8 | tert-Amyl Methyl Ether | ND | 2.0 | 0.12 | ug/l | |
| 637-92-3 | tert-Butyl Ethyl Ether | ND | 2.0 | 0.22 | ug/l | |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 5.0 | 0.31 | ug/l | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 1.0 | 0.22 | ug/l | |
| 127-18-4 | Tetrachloroethene | 39.6 | 1.0 | 0.34 | ug/l | |
| 109-99-9 | Tetrahydrofuran | ND | 10 | 1.2 | ug/l | |
| 108-88-3 | Toluene | ND | 1.0 | 0.24 | ug/l | |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 5.0 | 0.43 | ug/l | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.0 | 0.49 | ug/l | |
| 71-55-6 | 1,1,1-Trichloroethane | 5.6 | 1.0 | 0.21 | ug/l | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.0 | 0.32 | ug/l | |
| 79-01-6 | Trichloroethene | 51.4 | 1.0 | 0.30 | ug/l | |
| 75-69-4 | Trichlorofluoromethane | ND | 1.0 | 0.31 | ug/l | |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 5.0 | 0.25 | ug/l | |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 5.0 | 0.18 | ug/l | |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 5.0 | 0.15 | ug/l | |
| 75-01-4 | Vinyl chloride | 40.4 | 1.0 | 0.24 | ug/l | |
| | m,p-Xylene | ND | 1.0 | 0.54 | ug/l | |
| 95-47-6 | o-Xylene | ND | 1.0 | 0.37 | ug/l | |
| 1330-20-7 | Xylene (total) | ND | 1.0 | 0.37 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-MW104 | | |
| **Lab Sample ID:** | M64162-4 | **Date Sampled:** | 04/13/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

**VOA MCP List**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 110% | | 84-129% |
| 2037-26-5 | Toluene-D8 | 103% | | 80-120% |
| 460-00-4 | 4-Bromofluorobenzene | 99% | | 82-118% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-MW105 | | |
| **Lab Sample ID:** | M64162-5 | **Date Sampled:** | 04/16/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | G69236.D | 1 | 04/27/07 | KT | n/a | n/a | MSG2784 |
| Run #2 | | | | | | | |

| | Purge Volume |
|---|---|
| Run #1 | 5.0 ml |
| Run #2 | |

**VOA MCP List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | 5.0 | 2.8 | ug/l | |
| 71-43-2 | Benzene | ND | 0.50 | 0.23 | ug/l | |
| 108-86-1 | Bromobenzene | ND | 5.0 | 0.23 | ug/l | |
| 74-97-5 | Bromochloromethane | ND | 5.0 | 0.44 | ug/l | |
| 75-27-4 | Bromodichloromethane | ND | 1.0 | 0.26 | ug/l | |
| 75-25-2 | Bromoform | ND | 1.0 | 0.47 | ug/l | |
| 74-83-9 | Bromomethane | ND | 2.0 | 0.61 | ug/l | |
| 78-93-3 | 2-Butanone (MEK) | ND | 5.0 | 1.8 | ug/l | |
| 104-51-8 | n-Butylbenzene | ND | 5.0 | 0.32 | ug/l | |
| 135-98-8 | sec-Butylbenzene | ND | 5.0 | 0.50 | ug/l | |
| 98-06-6 | tert-Butylbenzene | ND | 5.0 | 0.23 | ug/l | |
| 75-15-0 | Carbon disulfide | ND | 5.0 | 0.41 | ug/l | |
| 56-23-5 | Carbon tetrachloride | ND | 1.0 | 0.21 | ug/l | |
| 108-90-7 | Chlorobenzene | ND | 1.0 | 0.32 | ug/l | |
| 75-00-3 | Chloroethane | ND | 2.0 | 0.65 | ug/l | |
| 67-66-3 | Chloroform | ND | 1.0 | 0.18 | ug/l | |
| 74-87-3 | Chloromethane | ND | 2.0 | 0.20 | ug/l | |
| 95-49-8 | o-Chlorotoluene | ND | 5.0 | 0.21 | ug/l | |
| 106-43-4 | p-Chlorotoluene | ND | 5.0 | 0.27 | ug/l | |
| 108-20-3 | Di-Isopropyl ether | ND | 2.0 | 0.13 | ug/l | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 5.0 | 0.85 | ug/l | |
| 124-48-1 | Dibromochloromethane | ND | 1.0 | 0.34 | ug/l | |
| 106-93-4 | 1,2-Dibromoethane | ND | 2.0 | 0.40 | ug/l | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 1.0 | 0.29 | ug/l | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 1.0 | 0.18 | ug/l | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 1.0 | 0.20 | ug/l | |
| 75-71-8 | Dichlorodifluoromethane | ND | 2.0 | 0.74 | ug/l | |
| 75-34-3 | 1,1-Dichloroethane | ND | 1.0 | 0.18 | ug/l | |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.0 | 0.20 | ug/l | |
| 75-35-4 | 1,1-Dichloroethene | ND | 1.0 | 0.35 | ug/l | |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 1.0 | 0.36 | ug/l | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1.0 | 0.40 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-MW105 | | |
| **Lab Sample ID:** | M64162-5 | **Date Sampled:** | 04/16/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

**VOA MCP List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 78-87-5 | 1,2-Dichloropropane | ND | 2.0 | 0.28 | ug/l | |
| 142-28-9 | 1,3-Dichloropropane | ND | 5.0 | 0.27 | ug/l | |
| 594-20-7 | 2,2-Dichloropropane | ND | 5.0 | 0.28 | ug/l | |
| 563-58-6 | 1,1-Dichloropropene | ND | 5.0 | 0.21 | ug/l | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.50 | 0.30 | ug/l | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.50 | 0.31 | ug/l | |
| 123-91-1 | 1,4-Dioxane | ND | 25 | 13 | ug/l | |
| 60-29-7 | Ethyl Ether | ND | 5.0 | 1.9 | ug/l | |
| 100-41-4 | Ethylbenzene | ND | 1.0 | 0.21 | ug/l | |
| 87-68-3 | Hexachlorobutadiene | ND | 5.0 | 0.42 | ug/l | |
| 591-78-6 | 2-Hexanone | ND | 5.0 | 0.76 | ug/l | |
| 98-82-8 | Isopropylbenzene | ND | 5.0 | 0.17 | ug/l | |
| 99-87-6 | p-Isopropyltoluene | ND | 5.0 | 0.27 | ug/l | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 1.0 | 0.14 | ug/l | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 5.0 | 0.50 | ug/l | |
| 74-95-3 | Methylene bromide | ND | 5.0 | 0.27 | ug/l | |
| 75-09-2 | Methylene chloride | ND | 2.0 | 0.27 | ug/l | |
| 91-20-3 | Naphthalene | ND | 5.0 | 0.68 | ug/l | |
| 103-65-1 | n-Propylbenzene | ND | 5.0 | 0.21 | ug/l | |
| 100-42-5 | Styrene | ND | 5.0 | 0.23 | ug/l | |
| 994-05-8 | tert-Amyl Methyl Ether | ND | 2.0 | 0.12 | ug/l | |
| 637-92-3 | tert-Butyl Ethyl Ether | ND | 2.0 | 0.22 | ug/l | |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 5.0 | 0.31 | ug/l | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 1.0 | 0.22 | ug/l | |
| 127-18-4 | Tetrachloroethene | ND | 1.0 | 0.34 | ug/l | |
| 109-99-9 | Tetrahydrofuran | ND | 10 | 1.2 | ug/l | |
| 108-88-3 | Toluene | ND | 1.0 | 0.24 | ug/l | |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 5.0 | 0.43 | ug/l | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.0 | 0.49 | ug/l | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 1.0 | 0.21 | ug/l | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.0 | 0.32 | ug/l | |
| 79-01-6 | Trichloroethene | 1.5 | 1.0 | 0.30 | ug/l | |
| 75-69-4 | Trichlorofluoromethane | ND | 1.0 | 0.31 | ug/l | |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 5.0 | 0.25 | ug/l | |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 5.0 | 0.18 | ug/l | |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 5.0 | 0.15 | ug/l | |
| 75-01-4 | Vinyl chloride | ND | 1.0 | 0.24 | ug/l | |
| | m,p-Xylene | ND | 1.0 | 0.54 | ug/l | |
| 95-47-6 | o-Xylene | ND | 1.0 | 0.37 | ug/l | |
| 1330-20-7 | Xylene (total) | ND | 1.0 | 0.37 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-MW105 | | |
| **Lab Sample ID:** | M64162-5 | **Date Sampled:** | 04/16/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

**VOA MCP List**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 101% | | 84-129% |
| 2037-26-5 | Toluene-D8 | 99% | | 80-120% |
| 460-00-4 | 4-Bromofluorobenzene | 100% | | 82-118% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-MW106 | | |
| **Lab Sample ID:** | M64162-6 | **Date Sampled:** | 04/13/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | N18916.D | 1 | 04/27/07 | AT | n/a | n/a | MSN684 |
| Run #2 | P17215.D | 1 | 04/26/07 | AMY | n/a | n/a | MSP589 |

| | Purge Volume |
|---|---|
| Run #1 | 5.0 ml |
| Run #2 | 5.0 ml |

**VOA MCP List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | 5.0 | 2.8 | ug/l | |
| 71-43-2 | Benzene | ND | 0.50 | 0.23 | ug/l | |
| 108-86-1 | Bromobenzene | ND | 5.0 | 0.23 | ug/l | |
| 74-97-5 | Bromochloromethane | ND | 5.0 | 0.44 | ug/l | |
| 75-27-4 | Bromodichloromethane | ND | 1.0 | 0.26 | ug/l | |
| 75-25-2 | Bromoform | ND | 1.0 | 0.47 | ug/l | |
| 74-83-9 | Bromomethane | ND | 2.0 | 0.61 | ug/l | |
| 78-93-3 | 2-Butanone (MEK) | ND | 5.0 | 1.8 | ug/l | |
| 104-51-8 | n-Butylbenzene | ND | 5.0 | 0.32 | ug/l | |
| 135-98-8 | sec-Butylbenzene | ND | 5.0 | 0.50 | ug/l | |
| 98-06-6 | tert-Butylbenzene | ND | 5.0 | 0.23 | ug/l | |
| 75-15-0 | Carbon disulfide | ND | 5.0 | 0.41 | ug/l | |
| 56-23-5 | Carbon tetrachloride | ND | 1.0 | 0.21 | ug/l | |
| 108-90-7 | Chlorobenzene | ND | 1.0 | 0.32 | ug/l | |
| 75-00-3 | Chloroethane | ND | 2.0 | 0.65 | ug/l | |
| 67-66-3 | Chloroform | 1.2 | 1.0 | 0.18 | ug/l | |
| 74-87-3 | Chloromethane | ND | 2.0 | 0.20 | ug/l | |
| 95-49-8 | o-Chlorotoluene | ND | 5.0 | 0.21 | ug/l | |
| 106-43-4 | p-Chlorotoluene | ND | 5.0 | 0.27 | ug/l | |
| 108-20-3 | Di-Isopropyl ether | ND | 2.0 | 0.13 | ug/l | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 5.0 | 0.85 | ug/l | |
| 124-48-1 | Dibromochloromethane | ND | 1.0 | 0.34 | ug/l | |
| 106-93-4 | 1,2-Dibromoethane | ND | 2.0 | 0.40 | ug/l | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 1.0 | 0.29 | ug/l | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 1.0 | 0.18 | ug/l | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 1.0 | 0.20 | ug/l | |
| 75-71-8 | Dichlorodifluoromethane | ND | 2.0 | 0.74 | ug/l | |
| 75-34-3 | 1,1-Dichloroethane | ND | 1.0 | 0.18 | ug/l | |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.0 | 0.20 | ug/l | |
| 75-35-4 | 1,1-Dichloroethene | 6.3 | 1.0 | 0.35 | ug/l | |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 1.0 | 0.36 | ug/l | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1.0 | 0.40 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-MW106 | | |
| **Lab Sample ID:** | M64162-6 | **Date Sampled:** | 04/13/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

**VOA MCP List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 78-87-5 | 1,2-Dichloropropane | ND | 2.0 | 0.28 | ug/l | |
| 142-28-9 | 1,3-Dichloropropane | ND | 5.0 | 0.27 | ug/l | |
| 594-20-7 | 2,2-Dichloropropane | ND | 5.0 | 0.28 | ug/l | |
| 563-58-6 | 1,1-Dichloropropene | ND | 5.0 | 0.21 | ug/l | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.50 | 0.30 | ug/l | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.50 | 0.31 | ug/l | |
| 123-91-1 | 1,4-Dioxane | ND | 25 | 13 | ug/l | |
| 60-29-7 | Ethyl Ether | ND | 5.0 | 1.9 | ug/l | |
| 100-41-4 | Ethylbenzene | ND | 1.0 | 0.21 | ug/l | |
| 87-68-3 | Hexachlorobutadiene | ND | 5.0 | 0.42 | ug/l | |
| 591-78-6 | 2-Hexanone | ND | 5.0 | 0.76 | ug/l | |
| 98-82-8 | Isopropylbenzene | ND | 5.0 | 0.17 | ug/l | |
| 99-87-6 | p-Isopropyltoluene | ND | 5.0 | 0.27 | ug/l | |
| 1634-04-4 | Methyl Tert Butyl Ether | 12.1 | 1.0 | 0.14 | ug/l | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 5.0 | 0.50 | ug/l | |
| 74-95-3 | Methylene bromide | ND | 5.0 | 0.27 | ug/l | |
| 75-09-2 | Methylene chloride | ND | 2.0 | 0.27 | ug/l | |
| 91-20-3 | Naphthalene | ND | 5.0 | 0.68 | ug/l | |
| 103-65-1 | n-Propylbenzene | ND | 5.0 | 0.21 | ug/l | |
| 100-42-5 | Styrene | ND | 5.0 | 0.23 | ug/l | |
| 994-05-8 | tert-Amyl Methyl Ether | ND | 2.0 | 0.12 | ug/l | |
| 637-92-3 | tert-Butyl Ethyl Ether | ND | 2.0 | 0.22 | ug/l | |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 5.0 | 0.31 | ug/l | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 1.0 | 0.22 | ug/l | |
| 127-18-4 | Tetrachloroethene | 1.2 | 1.0 | 0.34 | ug/l | |
| 109-99-9 | Tetrahydrofuran | ND | 10 | 1.2 | ug/l | |
| 108-88-3 | Toluene | ND | 1.0 | 0.24 | ug/l | |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 5.0 | 0.43 | ug/l | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.0 | 0.49 | ug/l | |
| 71-55-6 | 1,1,1-Trichloroethane | 1.5 [a] | 1.0 | 0.21 | ug/l | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.0 | 0.32 | ug/l | |
| 79-01-6 | Trichloroethene | 4.8 | 1.0 | 0.30 | ug/l | |
| 75-69-4 | Trichlorofluoromethane | ND | 1.0 | 0.31 | ug/l | |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 5.0 | 0.25 | ug/l | |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 5.0 | 0.18 | ug/l | |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 5.0 | 0.15 | ug/l | |
| 75-01-4 | Vinyl chloride | ND | 1.0 | 0.24 | ug/l | |
| | m,p-Xylene | ND | 1.0 | 0.54 | ug/l | |
| 95-47-6 | o-Xylene | ND | 1.0 | 0.37 | ug/l | |
| 1330-20-7 | Xylene (total) | ND | 1.0 | 0.37 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-MW106 | | |
| **Lab Sample ID:** | M64162-6 | **Date Sampled:** | 04/13/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

**VOA MCP List**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 119% | 106% | 84-129% |
| 2037-26-5 | Toluene-D8 | 103% | 103% | 80-120% |
| 460-00-4 | 4-Bromofluorobenzene | 108% | 101% | 82-118% |

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-MW107 | | |
| **Lab Sample ID:** | M64162-7 | **Date Sampled:** | 04/13/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | N18917.D | 1 | 04/27/07 | AT | n/a | n/a | MSN684 |
| Run #2 | | | | | | | |

| | Purge Volume |
|---|---|
| Run #1 | 5.0 ml |
| Run #2 | |

**VOA MCP List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | 5.0 | 2.8 | ug/l | |
| 71-43-2 | Benzene | ND | 0.50 | 0.23 | ug/l | |
| 108-86-1 | Bromobenzene | ND | 5.0 | 0.23 | ug/l | |
| 74-97-5 | Bromochloromethane | ND | 5.0 | 0.44 | ug/l | |
| 75-27-4 | Bromodichloromethane | ND | 1.0 | 0.26 | ug/l | |
| 75-25-2 | Bromoform | ND | 1.0 | 0.47 | ug/l | |
| 74-83-9 | Bromomethane | ND | 2.0 | 0.61 | ug/l | |
| 78-93-3 | 2-Butanone (MEK) | ND | 5.0 | 1.8 | ug/l | |
| 104-51-8 | n-Butylbenzene | ND | 5.0 | 0.32 | ug/l | |
| 135-98-8 | sec-Butylbenzene | ND | 5.0 | 0.50 | ug/l | |
| 98-06-6 | tert-Butylbenzene | ND | 5.0 | 0.23 | ug/l | |
| 75-15-0 | Carbon disulfide | ND | 5.0 | 0.41 | ug/l | |
| 56-23-5 | Carbon tetrachloride | ND | 1.0 | 0.21 | ug/l | |
| 108-90-7 | Chlorobenzene | ND | 1.0 | 0.32 | ug/l | |
| 75-00-3 | Chloroethane | ND | 2.0 | 0.65 | ug/l | |
| 67-66-3 | Chloroform | ND | 1.0 | 0.18 | ug/l | |
| 74-87-3 | Chloromethane | ND | 2.0 | 0.20 | ug/l | |
| 95-49-8 | o-Chlorotoluene | ND | 5.0 | 0.21 | ug/l | |
| 106-43-4 | p-Chlorotoluene | ND | 5.0 | 0.27 | ug/l | |
| 108-20-3 | Di-Isopropyl ether | ND | 2.0 | 0.13 | ug/l | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 5.0 | 0.85 | ug/l | |
| 124-48-1 | Dibromochloromethane | ND | 1.0 | 0.34 | ug/l | |
| 106-93-4 | 1,2-Dibromoethane | ND | 2.0 | 0.40 | ug/l | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 1.0 | 0.29 | ug/l | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 1.0 | 0.18 | ug/l | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 1.0 | 0.20 | ug/l | |
| 75-71-8 | Dichlorodifluoromethane | ND | 2.0 | 0.74 | ug/l | |
| 75-34-3 | 1,1-Dichloroethane | 4.3 | 1.0 | 0.18 | ug/l | |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.0 | 0.20 | ug/l | |
| 75-35-4 | 1,1-Dichloroethene | 3.7 | 1.0 | 0.35 | ug/l | |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 1.0 | 0.36 | ug/l | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1.0 | 0.40 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-MW107 | | |
| **Lab Sample ID:** | M64162-7 | **Date Sampled:** | 04/13/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

**VOA MCP List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 78-87-5 | 1,2-Dichloropropane | ND | 2.0 | 0.28 | ug/l | |
| 142-28-9 | 1,3-Dichloropropane | ND | 5.0 | 0.27 | ug/l | |
| 594-20-7 | 2,2-Dichloropropane | ND | 5.0 | 0.28 | ug/l | |
| 563-58-6 | 1,1-Dichloropropene | ND | 5.0 | 0.21 | ug/l | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.50 | 0.30 | ug/l | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.50 | 0.31 | ug/l | |
| 123-91-1 | 1,4-Dioxane | ND | 25 | 13 | ug/l | |
| 60-29-7 | Ethyl Ether | ND | 5.0 | 1.9 | ug/l | |
| 100-41-4 | Ethylbenzene | ND | 1.0 | 0.21 | ug/l | |
| 87-68-3 | Hexachlorobutadiene | ND | 5.0 | 0.42 | ug/l | |
| 591-78-6 | 2-Hexanone | ND | 5.0 | 0.76 | ug/l | |
| 98-82-8 | Isopropylbenzene | ND | 5.0 | 0.17 | ug/l | |
| 99-87-6 | p-Isopropyltoluene | ND | 5.0 | 0.27 | ug/l | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 1.0 | 0.14 | ug/l | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 5.0 | 0.50 | ug/l | |
| 74-95-3 | Methylene bromide | ND | 5.0 | 0.27 | ug/l | |
| 75-09-2 | Methylene chloride | ND | 2.0 | 0.27 | ug/l | |
| 91-20-3 | Naphthalene | ND | 5.0 | 0.68 | ug/l | |
| 103-65-1 | n-Propylbenzene | ND | 5.0 | 0.21 | ug/l | |
| 100-42-5 | Styrene | ND | 5.0 | 0.23 | ug/l | |
| 994-05-8 | tert-Amyl Methyl Ether | ND | 2.0 | 0.12 | ug/l | |
| 637-92-3 | tert-Butyl Ethyl Ether | ND | 2.0 | 0.22 | ug/l | |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 5.0 | 0.31 | ug/l | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 1.0 | 0.22 | ug/l | |
| 127-18-4 | Tetrachloroethene | ND | 1.0 | 0.34 | ug/l | |
| 109-99-9 | Tetrahydrofuran | ND | 10 | 1.2 | ug/l | |
| 108-88-3 | Toluene | ND | 1.0 | 0.24 | ug/l | |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 5.0 | 0.43 | ug/l | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.0 | 0.49 | ug/l | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 1.0 | 0.21 | ug/l | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.0 | 0.32 | ug/l | |
| 79-01-6 | Trichloroethene | ND | 1.0 | 0.30 | ug/l | |
| 75-69-4 | Trichlorofluoromethane | ND | 1.0 | 0.31 | ug/l | |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 5.0 | 0.25 | ug/l | |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 5.0 | 0.18 | ug/l | |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 5.0 | 0.15 | ug/l | |
| 75-01-4 | Vinyl chloride | ND | 1.0 | 0.24 | ug/l | |
| | m,p-Xylene | ND | 1.0 | 0.54 | ug/l | |
| 95-47-6 | o-Xylene | ND | 1.0 | 0.37 | ug/l | |
| 1330-20-7 | Xylene (total) | ND | 1.0 | 0.37 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-MW107 | | |
| **Lab Sample ID:** | M64162-7 | **Date Sampled:** | 04/13/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

**VOA MCP List**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 119% | | 84-129% |
| 2037-26-5 | Toluene-D8 | 104% | | 80-120% |
| 460-00-4 | 4-Bromofluorobenzene | 105% | | 82-118% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-MW108 | | |
| **Lab Sample ID:** | M64162-8 | **Date Sampled:** | 04/16/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | G69237.D | 1 | 04/27/07 | KT | n/a | n/a | MSG2784 |
| Run #2 | | | | | | | |

| | Purge Volume |
|---|---|
| Run #1 | 5.0 ml |
| Run #2 | |

**VOA MCP List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | 5.0 | 2.8 | ug/l | |
| 71-43-2 | Benzene | ND | 0.50 | 0.23 | ug/l | |
| 108-86-1 | Bromobenzene | ND | 5.0 | 0.23 | ug/l | |
| 74-97-5 | Bromochloromethane | ND | 5.0 | 0.44 | ug/l | |
| 75-27-4 | Bromodichloromethane | ND | 1.0 | 0.26 | ug/l | |
| 75-25-2 | Bromoform | ND | 1.0 | 0.47 | ug/l | |
| 74-83-9 | Bromomethane | ND | 2.0 | 0.61 | ug/l | |
| 78-93-3 | 2-Butanone (MEK) | ND | 5.0 | 1.8 | ug/l | |
| 104-51-8 | n-Butylbenzene | ND | 5.0 | 0.32 | ug/l | |
| 135-98-8 | sec-Butylbenzene | ND | 5.0 | 0.50 | ug/l | |
| 98-06-6 | tert-Butylbenzene | ND | 5.0 | 0.23 | ug/l | |
| 75-15-0 | Carbon disulfide | ND | 5.0 | 0.41 | ug/l | |
| 56-23-5 | Carbon tetrachloride | ND | 1.0 | 0.21 | ug/l | |
| 108-90-7 | Chlorobenzene | ND | 1.0 | 0.32 | ug/l | |
| 75-00-3 | Chloroethane | ND | 2.0 | 0.65 | ug/l | |
| 67-66-3 | Chloroform | ND | 1.0 | 0.18 | ug/l | |
| 74-87-3 | Chloromethane | ND | 2.0 | 0.20 | ug/l | |
| 95-49-8 | o-Chlorotoluene | ND | 5.0 | 0.21 | ug/l | |
| 106-43-4 | p-Chlorotoluene | ND | 5.0 | 0.27 | ug/l | |
| 108-20-3 | Di-Isopropyl ether | ND | 2.0 | 0.13 | ug/l | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 5.0 | 0.85 | ug/l | |
| 124-48-1 | Dibromochloromethane | ND | 1.0 | 0.34 | ug/l | |
| 106-93-4 | 1,2-Dibromoethane | ND | 2.0 | 0.40 | ug/l | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 1.0 | 0.29 | ug/l | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 1.0 | 0.18 | ug/l | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 1.0 | 0.20 | ug/l | |
| 75-71-8 | Dichlorodifluoromethane | ND | 2.0 | 0.74 | ug/l | |
| 75-34-3 | 1,1-Dichloroethane | ND | 1.0 | 0.18 | ug/l | |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.0 | 0.20 | ug/l | |
| 75-35-4 | 1,1-Dichloroethene | ND | 1.0 | 0.35 | ug/l | |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 1.0 | 0.36 | ug/l | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1.0 | 0.40 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-MW108 | | |
| **Lab Sample ID:** | M64162-8 | **Date Sampled:** | 04/16/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

**VOA MCP List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 78-87-5 | 1,2-Dichloropropane | ND | 2.0 | 0.28 | ug/l | |
| 142-28-9 | 1,3-Dichloropropane | ND | 5.0 | 0.27 | ug/l | |
| 594-20-7 | 2,2-Dichloropropane | ND | 5.0 | 0.28 | ug/l | |
| 563-58-6 | 1,1-Dichloropropene | ND | 5.0 | 0.21 | ug/l | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.50 | 0.30 | ug/l | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.50 | 0.31 | ug/l | |
| 123-91-1 | 1,4-Dioxane | ND | 25 | 13 | ug/l | |
| 60-29-7 | Ethyl Ether | ND | 5.0 | 1.9 | ug/l | |
| 100-41-4 | Ethylbenzene | ND | 1.0 | 0.21 | ug/l | |
| 87-68-3 | Hexachlorobutadiene | ND | 5.0 | 0.42 | ug/l | |
| 591-78-6 | 2-Hexanone | ND | 5.0 | 0.76 | ug/l | |
| 98-82-8 | Isopropylbenzene | ND | 5.0 | 0.17 | ug/l | |
| 99-87-6 | p-Isopropyltoluene | ND | 5.0 | 0.27 | ug/l | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 1.0 | 0.14 | ug/l | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 5.0 | 0.50 | ug/l | |
| 74-95-3 | Methylene bromide | ND | 5.0 | 0.27 | ug/l | |
| 75-09-2 | Methylene chloride | ND | 2.0 | 0.27 | ug/l | |
| 91-20-3 | Naphthalene | ND | 5.0 | 0.68 | ug/l | |
| 103-65-1 | n-Propylbenzene | ND | 5.0 | 0.21 | ug/l | |
| 100-42-5 | Styrene | ND | 5.0 | 0.23 | ug/l | |
| 994-05-8 | tert-Amyl Methyl Ether | ND | 2.0 | 0.12 | ug/l | |
| 637-92-3 | tert-Butyl Ethyl Ether | ND | 2.0 | 0.22 | ug/l | |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 5.0 | 0.31 | ug/l | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 1.0 | 0.22 | ug/l | |
| 127-18-4 | Tetrachloroethene | ND | 1.0 | 0.34 | ug/l | |
| 109-99-9 | Tetrahydrofuran | ND | 10 | 1.2 | ug/l | |
| 108-88-3 | Toluene | ND | 1.0 | 0.24 | ug/l | |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 5.0 | 0.43 | ug/l | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.0 | 0.49 | ug/l | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 1.0 | 0.21 | ug/l | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.0 | 0.32 | ug/l | |
| 79-01-6 | Trichloroethene | ND | 1.0 | 0.30 | ug/l | |
| 75-69-4 | Trichlorofluoromethane | ND | 1.0 | 0.31 | ug/l | |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 5.0 | 0.25 | ug/l | |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 5.0 | 0.18 | ug/l | |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 5.0 | 0.15 | ug/l | |
| 75-01-4 | Vinyl chloride | ND | 1.0 | 0.24 | ug/l | |
| | m,p-Xylene | ND | 1.0 | 0.54 | ug/l | |
| 95-47-6 | o-Xylene | ND | 1.0 | 0.37 | ug/l | |
| 1330-20-7 | Xylene (total) | ND | 1.0 | 0.37 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-MW108 | | |
| **Lab Sample ID:** | M64162-8 | **Date Sampled:** | 04/16/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

**VOA MCP List**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 101% | | 84-129% |
| 2037-26-5 | Toluene-D8 | 101% | | 80-120% |
| 460-00-4 | 4-Bromofluorobenzene | 100% | | 82-118% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-MW109 | | |
| **Lab Sample ID:** | M64162-9 | **Date Sampled:** | 04/16/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | G69238.D | 1 | 04/27/07 | KT | n/a | n/a | MSG2784 |
| Run #2 | | | | | | | |

| | Purge Volume |
|---|---|
| Run #1 | 5.0 ml |
| Run #2 | |

**VOA MCP List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | 5.0 | 2.8 | ug/l | |
| 71-43-2 | Benzene | ND | 0.50 | 0.23 | ug/l | |
| 108-86-1 | Bromobenzene | ND | 5.0 | 0.23 | ug/l | |
| 74-97-5 | Bromochloromethane | ND | 5.0 | 0.44 | ug/l | |
| 75-27-4 | Bromodichloromethane | ND | 1.0 | 0.26 | ug/l | |
| 75-25-2 | Bromoform | ND | 1.0 | 0.47 | ug/l | |
| 74-83-9 | Bromomethane | ND | 2.0 | 0.61 | ug/l | |
| 78-93-3 | 2-Butanone (MEK) | ND | 5.0 | 1.8 | ug/l | |
| 104-51-8 | n-Butylbenzene | ND | 5.0 | 0.32 | ug/l | |
| 135-98-8 | sec-Butylbenzene | ND | 5.0 | 0.50 | ug/l | |
| 98-06-6 | tert-Butylbenzene | ND | 5.0 | 0.23 | ug/l | |
| 75-15-0 | Carbon disulfide | ND | 5.0 | 0.41 | ug/l | |
| 56-23-5 | Carbon tetrachloride | ND | 1.0 | 0.21 | ug/l | |
| 108-90-7 | Chlorobenzene | ND | 1.0 | 0.32 | ug/l | |
| 75-00-3 | Chloroethane | ND | 2.0 | 0.65 | ug/l | |
| 67-66-3 | Chloroform | ND | 1.0 | 0.18 | ug/l | |
| 74-87-3 | Chloromethane | ND | 2.0 | 0.20 | ug/l | |
| 95-49-8 | o-Chlorotoluene | ND | 5.0 | 0.21 | ug/l | |
| 106-43-4 | p-Chlorotoluene | ND | 5.0 | 0.27 | ug/l | |
| 108-20-3 | Di-Isopropyl ether | ND | 2.0 | 0.13 | ug/l | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 5.0 | 0.85 | ug/l | |
| 124-48-1 | Dibromochloromethane | ND | 1.0 | 0.34 | ug/l | |
| 106-93-4 | 1,2-Dibromoethane | ND | 2.0 | 0.40 | ug/l | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 1.0 | 0.29 | ug/l | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 1.0 | 0.18 | ug/l | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 1.0 | 0.20 | ug/l | |
| 75-71-8 | Dichlorodifluoromethane | ND | 2.0 | 0.74 | ug/l | |
| 75-34-3 | 1,1-Dichloroethane | ND | 1.0 | 0.18 | ug/l | |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.0 | 0.20 | ug/l | |
| 75-35-4 | 1,1-Dichloroethene | ND | 1.0 | 0.35 | ug/l | |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 1.0 | 0.36 | ug/l | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1.0 | 0.40 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-MW109 | | |
| **Lab Sample ID:** | M64162-9 | **Date Sampled:** | 04/16/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

**VOA MCP List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 78-87-5 | 1,2-Dichloropropane | ND | 2.0 | 0.28 | ug/l | |
| 142-28-9 | 1,3-Dichloropropane | ND | 5.0 | 0.27 | ug/l | |
| 594-20-7 | 2,2-Dichloropropane | ND | 5.0 | 0.28 | ug/l | |
| 563-58-6 | 1,1-Dichloropropene | ND | 5.0 | 0.21 | ug/l | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.50 | 0.30 | ug/l | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.50 | 0.31 | ug/l | |
| 123-91-1 | 1,4-Dioxane | ND | 25 | 13 | ug/l | |
| 60-29-7 | Ethyl Ether | ND | 5.0 | 1.9 | ug/l | |
| 100-41-4 | Ethylbenzene | ND | 1.0 | 0.21 | ug/l | |
| 87-68-3 | Hexachlorobutadiene | ND | 5.0 | 0.42 | ug/l | |
| 591-78-6 | 2-Hexanone | ND | 5.0 | 0.76 | ug/l | |
| 98-82-8 | Isopropylbenzene | ND | 5.0 | 0.17 | ug/l | |
| 99-87-6 | p-Isopropyltoluene | ND | 5.0 | 0.27 | ug/l | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 1.0 | 0.14 | ug/l | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 5.0 | 0.50 | ug/l | |
| 74-95-3 | Methylene bromide | ND | 5.0 | 0.27 | ug/l | |
| 75-09-2 | Methylene chloride | ND | 2.0 | 0.27 | ug/l | |
| 91-20-3 | Naphthalene | ND | 5.0 | 0.68 | ug/l | |
| 103-65-1 | n-Propylbenzene | ND | 5.0 | 0.21 | ug/l | |
| 100-42-5 | Styrene | ND | 5.0 | 0.23 | ug/l | |
| 994-05-8 | tert-Amyl Methyl Ether | ND | 2.0 | 0.12 | ug/l | |
| 637-92-3 | tert-Butyl Ethyl Ether | ND | 2.0 | 0.22 | ug/l | |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 5.0 | 0.31 | ug/l | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 1.0 | 0.22 | ug/l | |
| 127-18-4 | Tetrachloroethene | 28.5 | 1.0 | 0.34 | ug/l | |
| 109-99-9 | Tetrahydrofuran | ND | 10 | 1.2 | ug/l | |
| 108-88-3 | Toluene | ND | 1.0 | 0.24 | ug/l | |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 5.0 | 0.43 | ug/l | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.0 | 0.49 | ug/l | |
| 71-55-6 | 1,1,1-Trichloroethane | 0.97 | 1.0 | 0.21 | ug/l | J |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.0 | 0.32 | ug/l | |
| 79-01-6 | Trichloroethene | ND | 1.0 | 0.30 | ug/l | |
| 75-69-4 | Trichlorofluoromethane | ND | 1.0 | 0.31 | ug/l | |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 5.0 | 0.25 | ug/l | |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 5.0 | 0.18 | ug/l | |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 5.0 | 0.15 | ug/l | |
| 75-01-4 | Vinyl chloride | ND | 1.0 | 0.24 | ug/l | |
| | m,p-Xylene | ND | 1.0 | 0.54 | ug/l | |
| 95-47-6 | o-Xylene | ND | 1.0 | 0.37 | ug/l | |
| 1330-20-7 | Xylene (total) | ND | 1.0 | 0.37 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-MW109 | | |
| **Lab Sample ID:** | M64162-9 | **Date Sampled:** | 04/16/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

**VOA MCP List**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 102% | | 84-129% |
| 2037-26-5 | Toluene-D8 | 99% | | 80-120% |
| 460-00-4 | 4-Bromofluorobenzene | 98% | | 82-118% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-MW110 | | |
| **Lab Sample ID:** | M64162-10 | **Date Sampled:** | 04/17/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | G69239.D | 1 | 04/27/07 | KT | n/a | n/a | MSG2784 |
| Run #2 | | | | | | | |

| | Purge Volume |
|---|---|
| Run #1 | 5.0 ml |
| Run #2 | |

**VOA MCP List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | 5.0 | 2.8 | ug/l | |
| 71-43-2 | Benzene | ND | 0.50 | 0.23 | ug/l | |
| 108-86-1 | Bromobenzene | ND | 5.0 | 0.23 | ug/l | |
| 74-97-5 | Bromochloromethane | ND | 5.0 | 0.44 | ug/l | |
| 75-27-4 | Bromodichloromethane | ND | 1.0 | 0.26 | ug/l | |
| 75-25-2 | Bromoform | ND | 1.0 | 0.47 | ug/l | |
| 74-83-9 | Bromomethane | ND | 2.0 | 0.61 | ug/l | |
| 78-93-3 | 2-Butanone (MEK) | ND | 5.0 | 1.8 | ug/l | |
| 104-51-8 | n-Butylbenzene | ND | 5.0 | 0.32 | ug/l | |
| 135-98-8 | sec-Butylbenzene | ND | 5.0 | 0.50 | ug/l | |
| 98-06-6 | tert-Butylbenzene | ND | 5.0 | 0.23 | ug/l | |
| 75-15-0 | Carbon disulfide | ND | 5.0 | 0.41 | ug/l | |
| 56-23-5 | Carbon tetrachloride | ND | 1.0 | 0.21 | ug/l | |
| 108-90-7 | Chlorobenzene | ND | 1.0 | 0.32 | ug/l | |
| 75-00-3 | Chloroethane | ND | 2.0 | 0.65 | ug/l | |
| 67-66-3 | Chloroform | ND | 1.0 | 0.18 | ug/l | |
| 74-87-3 | Chloromethane | ND | 2.0 | 0.20 | ug/l | |
| 95-49-8 | o-Chlorotoluene | ND | 5.0 | 0.21 | ug/l | |
| 106-43-4 | p-Chlorotoluene | ND | 5.0 | 0.27 | ug/l | |
| 108-20-3 | Di-Isopropyl ether | ND | 2.0 | 0.13 | ug/l | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 5.0 | 0.85 | ug/l | |
| 124-48-1 | Dibromochloromethane | ND | 1.0 | 0.34 | ug/l | |
| 106-93-4 | 1,2-Dibromoethane | ND | 2.0 | 0.40 | ug/l | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 1.0 | 0.29 | ug/l | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 1.0 | 0.18 | ug/l | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 1.0 | 0.20 | ug/l | |
| 75-71-8 | Dichlorodifluoromethane | ND | 2.0 | 0.74 | ug/l | |
| 75-34-3 | 1,1-Dichloroethane | ND | 1.0 | 0.18 | ug/l | |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.0 | 0.20 | ug/l | |
| 75-35-4 | 1,1-Dichloroethene | ND | 1.0 | 0.35 | ug/l | |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 1.0 | 0.36 | ug/l | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1.0 | 0.40 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-MW110 | | |
| **Lab Sample ID:** | M64162-10 | **Date Sampled:** | 04/17/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

**VOA MCP List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 78-87-5 | 1,2-Dichloropropane | ND | 2.0 | 0.28 | ug/l | |
| 142-28-9 | 1,3-Dichloropropane | ND | 5.0 | 0.27 | ug/l | |
| 594-20-7 | 2,2-Dichloropropane | ND | 5.0 | 0.28 | ug/l | |
| 563-58-6 | 1,1-Dichloropropene | ND | 5.0 | 0.21 | ug/l | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.50 | 0.30 | ug/l | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.50 | 0.31 | ug/l | |
| 123-91-1 | 1,4-Dioxane | ND | 25 | 13 | ug/l | |
| 60-29-7 | Ethyl Ether | ND | 5.0 | 1.9 | ug/l | |
| 100-41-4 | Ethylbenzene | ND | 1.0 | 0.21 | ug/l | |
| 87-68-3 | Hexachlorobutadiene | ND | 5.0 | 0.42 | ug/l | |
| 591-78-6 | 2-Hexanone | ND | 5.0 | 0.76 | ug/l | |
| 98-82-8 | Isopropylbenzene | ND | 5.0 | 0.17 | ug/l | |
| 99-87-6 | p-Isopropyltoluene | ND | 5.0 | 0.27 | ug/l | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 1.0 | 0.14 | ug/l | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 5.0 | 0.50 | ug/l | |
| 74-95-3 | Methylene bromide | ND | 5.0 | 0.27 | ug/l | |
| 75-09-2 | Methylene chloride | ND | 2.0 | 0.27 | ug/l | |
| 91-20-3 | Naphthalene | ND | 5.0 | 0.68 | ug/l | |
| 103-65-1 | n-Propylbenzene | ND | 5.0 | 0.21 | ug/l | |
| 100-42-5 | Styrene | ND | 5.0 | 0.23 | ug/l | |
| 994-05-8 | tert-Amyl Methyl Ether | ND | 2.0 | 0.12 | ug/l | |
| 637-92-3 | tert-Butyl Ethyl Ether | ND | 2.0 | 0.22 | ug/l | |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 5.0 | 0.31 | ug/l | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 1.0 | 0.22 | ug/l | |
| 127-18-4 | Tetrachloroethene | 0.93 | 1.0 | 0.34 | ug/l | J |
| 109-99-9 | Tetrahydrofuran | ND | 10 | 1.2 | ug/l | |
| 108-88-3 | Toluene | ND | 1.0 | 0.24 | ug/l | |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 5.0 | 0.43 | ug/l | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.0 | 0.49 | ug/l | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 1.0 | 0.21 | ug/l | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.0 | 0.32 | ug/l | |
| 79-01-6 | Trichloroethene | ND | 1.0 | 0.30 | ug/l | |
| 75-69-4 | Trichlorofluoromethane | ND | 1.0 | 0.31 | ug/l | |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 5.0 | 0.25 | ug/l | |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 5.0 | 0.18 | ug/l | |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 5.0 | 0.15 | ug/l | |
| 75-01-4 | Vinyl chloride | ND | 1.0 | 0.24 | ug/l | |
| | m,p-Xylene | ND | 1.0 | 0.54 | ug/l | |
| 95-47-6 | o-Xylene | ND | 1.0 | 0.37 | ug/l | |
| 1330-20-7 | Xylene (total) | ND | 1.0 | 0.37 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-MW110 | | |
| **Lab Sample ID:** | M64162-10 | **Date Sampled:** | 04/17/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

**VOA MCP List**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 101% | | 84-129% |
| 2037-26-5 | Toluene-D8 | 102% | | 80-120% |
| 460-00-4 | 4-Bromofluorobenzene | 101% | | 82-118% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-MW111 | | |
| **Lab Sample ID:** | M64162-11 | **Date Sampled:** | 04/16/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | G69300.D | 25 | 04/30/07 | KT | n/a | n/a | MSG2785 |
| Run #2 | | | | | | | |

| | Purge Volume |
|---|---|
| Run #1 | 5.0 ml |
| Run #2 | |

**VOA MCP List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | 130 | 71 | ug/l | |
| 71-43-2 | Benzene | ND | 13 | 5.7 | ug/l | |
| 108-86-1 | Bromobenzene | ND | 130 | 5.8 | ug/l | |
| 74-97-5 | Bromochloromethane | ND | 130 | 11 | ug/l | |
| 75-27-4 | Bromodichloromethane | ND | 25 | 6.6 | ug/l | |
| 75-25-2 | Bromoform | ND | 25 | 12 | ug/l | |
| 74-83-9 | Bromomethane | ND | 50 | 15 | ug/l | |
| 78-93-3 | 2-Butanone (MEK) | ND | 130 | 45 | ug/l | |
| 104-51-8 | n-Butylbenzene | ND | 130 | 8.0 | ug/l | |
| 135-98-8 | sec-Butylbenzene | ND | 130 | 13 | ug/l | |
| 98-06-6 | tert-Butylbenzene | ND | 130 | 5.6 | ug/l | |
| 75-15-0 | Carbon disulfide | ND | 130 | 10 | ug/l | |
| 56-23-5 | Carbon tetrachloride | ND | 25 | 5.1 | ug/l | |
| 108-90-7 | Chlorobenzene | ND | 25 | 8.1 | ug/l | |
| 75-00-3 | Chloroethane | ND | 50 | 16 | ug/l | |
| 67-66-3 | Chloroform | ND | 25 | 4.4 | ug/l | |
| 74-87-3 | Chloromethane | ND | 50 | 4.9 | ug/l | |
| 95-49-8 | o-Chlorotoluene | ND | 130 | 5.2 | ug/l | |
| 106-43-4 | p-Chlorotoluene | ND | 130 | 6.6 | ug/l | |
| 108-20-3 | Di-Isopropyl ether | ND | 50 | 3.1 | ug/l | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 130 | 21 | ug/l | |
| 124-48-1 | Dibromochloromethane | ND | 25 | 8.5 | ug/l | |
| 106-93-4 | 1,2-Dibromoethane | ND | 50 | 10 | ug/l | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 25 | 7.2 | ug/l | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 25 | 4.5 | ug/l | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 25 | 5.0 | ug/l | |
| 75-71-8 | Dichlorodifluoromethane | ND | 50 | 18 | ug/l | |
| 75-34-3 | 1,1-Dichloroethane | 15.7 | 25 | 4.4 | ug/l | J |
| 107-06-2 | 1,2-Dichloroethane | ND | 25 | 4.9 | ug/l | |
| 75-35-4 | 1,1-Dichloroethene | ND | 25 | 8.9 | ug/l | |
| 156-59-2 | cis-1,2-Dichloroethene | 17.2 | 25 | 9.0 | ug/l | J |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 25 | 9.9 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-MW111 | | |
| **Lab Sample ID:** | M64162-11 | **Date Sampled:** | 04/16/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

**VOA MCP List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 78-87-5 | 1,2-Dichloropropane | ND | 50 | 7.0 | ug/l | |
| 142-28-9 | 1,3-Dichloropropane | ND | 130 | 6.8 | ug/l | |
| 594-20-7 | 2,2-Dichloropropane | ND | 130 | 7.1 | ug/l | |
| 563-58-6 | 1,1-Dichloropropene | ND | 130 | 5.2 | ug/l | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 13 | 7.4 | ug/l | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 13 | 7.8 | ug/l | |
| 123-91-1 | 1,4-Dioxane | ND | 630 | 330 | ug/l | |
| 60-29-7 | Ethyl Ether | ND | 130 | 48 | ug/l | |
| 100-41-4 | Ethylbenzene | ND | 25 | 5.2 | ug/l | |
| 87-68-3 | Hexachlorobutadiene | ND | 130 | 10 | ug/l | |
| 591-78-6 | 2-Hexanone | ND | 130 | 19 | ug/l | |
| 98-82-8 | Isopropylbenzene | ND | 130 | 4.3 | ug/l | |
| 99-87-6 | p-Isopropyltoluene | ND | 130 | 6.8 | ug/l | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 25 | 3.4 | ug/l | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 130 | 13 | ug/l | |
| 74-95-3 | Methylene bromide | ND | 130 | 6.7 | ug/l | |
| 75-09-2 | Methylene chloride | 31.4 | 50 | 6.9 | ug/l | J |
| 91-20-3 | Naphthalene | ND | 130 | 17 | ug/l | |
| 103-65-1 | n-Propylbenzene | ND | 130 | 5.3 | ug/l | |
| 100-42-5 | Styrene | ND | 130 | 5.6 | ug/l | |
| 994-05-8 | tert-Amyl Methyl Ether | ND | 50 | 3.0 | ug/l | |
| 637-92-3 | tert-Butyl Ethyl Ether | ND | 50 | 5.6 | ug/l | |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 130 | 7.7 | ug/l | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 25 | 5.6 | ug/l | |
| 127-18-4 | Tetrachloroethene | 7370 | 25 | 8.5 | ug/l | |
| 109-99-9 | Tetrahydrofuran | ND | 250 | 30 | ug/l | |
| 108-88-3 | Toluene | ND | 25 | 6.0 | ug/l | |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 130 | 11 | ug/l | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 130 | 12 | ug/l | |
| 71-55-6 | 1,1,1-Trichloroethane | 56.5 | 25 | 5.3 | ug/l | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 25 | 8.1 | ug/l | |
| 79-01-6 | Trichloroethene | 84.4 | 25 | 7.4 | ug/l | |
| 75-69-4 | Trichlorofluoromethane | ND | 25 | 7.7 | ug/l | |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 130 | 6.3 | ug/l | |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 130 | 4.5 | ug/l | |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 130 | 3.7 | ug/l | |
| 75-01-4 | Vinyl chloride | ND | 25 | 5.9 | ug/l | |
| | m,p-Xylene | ND | 25 | 14 | ug/l | |
| 95-47-6 | o-Xylene | ND | 25 | 9.3 | ug/l | |
| 1330-20-7 | Xylene (total) | ND | 25 | 9.3 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-MW111 | | |
| **Lab Sample ID:** | M64162-11 | **Date Sampled:** | 04/16/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

**VOA MCP List**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 102% | | 84-129% |
| 2037-26-5 | Toluene-D8 | 100% | | 80-120% |
| 460-00-4 | 4-Bromofluorobenzene | 97% | | 82-118% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-MW112A | | |
| **Lab Sample ID:** | M64162-12 | **Date Sampled:** | 04/16/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | G69240.D | 1 | 04/27/07 | KT | n/a | n/a | MSG2784 |
| Run #2 | | | | | | | |

| | Purge Volume |
|---|---|
| Run #1 | 5.0 ml |
| Run #2 | |

**VOA MCP List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | 5.0 | 2.8 | ug/l | |
| 71-43-2 | Benzene | ND | 0.50 | 0.23 | ug/l | |
| 108-86-1 | Bromobenzene | ND | 5.0 | 0.23 | ug/l | |
| 74-97-5 | Bromochloromethane | ND | 5.0 | 0.44 | ug/l | |
| 75-27-4 | Bromodichloromethane | ND | 1.0 | 0.26 | ug/l | |
| 75-25-2 | Bromoform | ND | 1.0 | 0.47 | ug/l | |
| 74-83-9 | Bromomethane | ND | 2.0 | 0.61 | ug/l | |
| 78-93-3 | 2-Butanone (MEK) | ND | 5.0 | 1.8 | ug/l | |
| 104-51-8 | n-Butylbenzene | ND | 5.0 | 0.32 | ug/l | |
| 135-98-8 | sec-Butylbenzene | ND | 5.0 | 0.50 | ug/l | |
| 98-06-6 | tert-Butylbenzene | ND | 5.0 | 0.23 | ug/l | |
| 75-15-0 | Carbon disulfide | ND | 5.0 | 0.41 | ug/l | |
| 56-23-5 | Carbon tetrachloride | ND | 1.0 | 0.21 | ug/l | |
| 108-90-7 | Chlorobenzene | ND | 1.0 | 0.32 | ug/l | |
| 75-00-3 | Chloroethane | ND | 2.0 | 0.65 | ug/l | |
| 67-66-3 | Chloroform | ND | 1.0 | 0.18 | ug/l | |
| 74-87-3 | Chloromethane | ND | 2.0 | 0.20 | ug/l | |
| 95-49-8 | o-Chlorotoluene | ND | 5.0 | 0.21 | ug/l | |
| 106-43-4 | p-Chlorotoluene | ND | 5.0 | 0.27 | ug/l | |
| 108-20-3 | Di-Isopropyl ether | ND | 2.0 | 0.13 | ug/l | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 5.0 | 0.85 | ug/l | |
| 124-48-1 | Dibromochloromethane | ND | 1.0 | 0.34 | ug/l | |
| 106-93-4 | 1,2-Dibromoethane | ND | 2.0 | 0.40 | ug/l | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 1.0 | 0.29 | ug/l | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 1.0 | 0.18 | ug/l | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 1.0 | 0.20 | ug/l | |
| 75-71-8 | Dichlorodifluoromethane | ND | 2.0 | 0.74 | ug/l | |
| 75-34-3 | 1,1-Dichloroethane | 24.0 | 1.0 | 0.18 | ug/l | |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.0 | 0.20 | ug/l | |
| 75-35-4 | 1,1-Dichloroethene | 10.8 | 1.0 | 0.35 | ug/l | |
| 156-59-2 | cis-1,2-Dichloroethene | 0.54 | 1.0 | 0.36 | ug/l | J |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1.0 | 0.40 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-MW112A | | |
| **Lab Sample ID:** | M64162-12 | **Date Sampled:** | 04/16/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

**VOA MCP List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 78-87-5 | 1,2-Dichloropropane | ND | 2.0 | 0.28 | ug/l | |
| 142-28-9 | 1,3-Dichloropropane | ND | 5.0 | 0.27 | ug/l | |
| 594-20-7 | 2,2-Dichloropropane | ND | 5.0 | 0.28 | ug/l | |
| 563-58-6 | 1,1-Dichloropropene | ND | 5.0 | 0.21 | ug/l | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.50 | 0.30 | ug/l | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.50 | 0.31 | ug/l | |
| 123-91-1 | 1,4-Dioxane | ND | 25 | 13 | ug/l | |
| 60-29-7 | Ethyl Ether | ND | 5.0 | 1.9 | ug/l | |
| 100-41-4 | Ethylbenzene | ND | 1.0 | 0.21 | ug/l | |
| 87-68-3 | Hexachlorobutadiene | ND | 5.0 | 0.42 | ug/l | |
| 591-78-6 | 2-Hexanone | ND | 5.0 | 0.76 | ug/l | |
| 98-82-8 | Isopropylbenzene | ND | 5.0 | 0.17 | ug/l | |
| 99-87-6 | p-Isopropyltoluene | ND | 5.0 | 0.27 | ug/l | |
| 1634-04-4 | Methyl Tert Butyl Ether | 13.8 | 1.0 | 0.14 | ug/l | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 5.0 | 0.50 | ug/l | |
| 74-95-3 | Methylene bromide | ND | 5.0 | 0.27 | ug/l | |
| 75-09-2 | Methylene chloride | ND | 2.0 | 0.27 | ug/l | |
| 91-20-3 | Naphthalene | ND | 5.0 | 0.68 | ug/l | |
| 103-65-1 | n-Propylbenzene | ND | 5.0 | 0.21 | ug/l | |
| 100-42-5 | Styrene | ND | 5.0 | 0.23 | ug/l | |
| 994-05-8 | tert-Amyl Methyl Ether | ND | 2.0 | 0.12 | ug/l | |
| 637-92-3 | tert-Butyl Ethyl Ether | ND | 2.0 | 0.22 | ug/l | |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 5.0 | 0.31 | ug/l | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 1.0 | 0.22 | ug/l | |
| 127-18-4 | Tetrachloroethene | 198 | 1.0 | 0.34 | ug/l | |
| 109-99-9 | Tetrahydrofuran | ND | 10 | 1.2 | ug/l | |
| 108-88-3 | Toluene | ND | 1.0 | 0.24 | ug/l | |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 5.0 | 0.43 | ug/l | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.0 | 0.49 | ug/l | |
| 71-55-6 | 1,1,1-Trichloroethane | 0.96 | 1.0 | 0.21 | ug/l | J |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.0 | 0.32 | ug/l | |
| 79-01-6 | Trichloroethene | 36.1 | 1.0 | 0.30 | ug/l | |
| 75-69-4 | Trichlorofluoromethane | ND | 1.0 | 0.31 | ug/l | |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 5.0 | 0.25 | ug/l | |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 5.0 | 0.18 | ug/l | |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 5.0 | 0.15 | ug/l | |
| 75-01-4 | Vinyl chloride | ND | 1.0 | 0.24 | ug/l | |
| | m,p-Xylene | ND | 1.0 | 0.54 | ug/l | |
| 95-47-6 | o-Xylene | ND | 1.0 | 0.37 | ug/l | |
| 1330-20-7 | Xylene (total) | ND | 1.0 | 0.37 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-MW112A | | |
| **Lab Sample ID:** | M64162-12 | **Date Sampled:** | 04/16/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

**VOA MCP List**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 103% | | 84-129% |
| 2037-26-5 | Toluene-D8 | 101% | | 80-120% |
| 460-00-4 | 4-Bromofluorobenzene | 99% | | 82-118% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-MW113 | | |
| **Lab Sample ID:** | M64162-13 | **Date Sampled:** | 04/12/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | P17203.D | 1 | 04/26/07 | AMY | n/a | n/a | MSP589 |
| Run #2 | | | | | | | |

| | Purge Volume |
|---|---|
| Run #1 | 5.0 ml |
| Run #2 | |

**VOA MCP List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | 3.8 | 5.0 | 2.8 | ug/l | J |
| 71-43-2 | Benzene | ND | 0.50 | 0.23 | ug/l | |
| 108-86-1 | Bromobenzene | ND | 5.0 | 0.23 | ug/l | |
| 74-97-5 | Bromochloromethane | ND | 5.0 | 0.44 | ug/l | |
| 75-27-4 | Bromodichloromethane | ND | 1.0 | 0.26 | ug/l | |
| 75-25-2 | Bromoform | ND | 1.0 | 0.47 | ug/l | |
| 74-83-9 | Bromomethane | ND | 2.0 | 0.61 | ug/l | |
| 78-93-3 | 2-Butanone (MEK) | ND | 5.0 | 1.8 | ug/l | |
| 104-51-8 | n-Butylbenzene | ND | 5.0 | 0.32 | ug/l | |
| 135-98-8 | sec-Butylbenzene | ND | 5.0 | 0.50 | ug/l | |
| 98-06-6 | tert-Butylbenzene | ND | 5.0 | 0.23 | ug/l | |
| 75-15-0 | Carbon disulfide | 0.66 | 5.0 | 0.41 | ug/l | J |
| 56-23-5 | Carbon tetrachloride | ND | 1.0 | 0.21 | ug/l | |
| 108-90-7 | Chlorobenzene | ND | 1.0 | 0.32 | ug/l | |
| 75-00-3 | Chloroethane | ND | 2.0 | 0.65 | ug/l | |
| 67-66-3 | Chloroform | ND | 1.0 | 0.18 | ug/l | |
| 74-87-3 | Chloromethane | ND | 2.0 | 0.20 | ug/l | |
| 95-49-8 | o-Chlorotoluene | ND | 5.0 | 0.21 | ug/l | |
| 106-43-4 | p-Chlorotoluene | ND | 5.0 | 0.27 | ug/l | |
| 108-20-3 | Di-Isopropyl ether | ND | 2.0 | 0.13 | ug/l | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 5.0 | 0.85 | ug/l | |
| 124-48-1 | Dibromochloromethane | ND | 1.0 | 0.34 | ug/l | |
| 106-93-4 | 1,2-Dibromoethane | ND | 2.0 | 0.40 | ug/l | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 1.0 | 0.29 | ug/l | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 1.0 | 0.18 | ug/l | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 1.0 | 0.20 | ug/l | |
| 75-71-8 | Dichlorodifluoromethane | ND | 2.0 | 0.74 | ug/l | |
| 75-34-3 | 1,1-Dichloroethane | ND | 1.0 | 0.18 | ug/l | |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.0 | 0.20 | ug/l | |
| 75-35-4 | 1,1-Dichloroethene | ND | 1.0 | 0.35 | ug/l | |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 1.0 | 0.36 | ug/l | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1.0 | 0.40 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-MW113 | | |
| **Lab Sample ID:** | M64162-13 | **Date Sampled:** | 04/12/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

**VOA MCP List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 78-87-5 | 1,2-Dichloropropane | ND | 2.0 | 0.28 | ug/l | |
| 142-28-9 | 1,3-Dichloropropane | ND | 5.0 | 0.27 | ug/l | |
| 594-20-7 | 2,2-Dichloropropane | ND | 5.0 | 0.28 | ug/l | |
| 563-58-6 | 1,1-Dichloropropene | ND | 5.0 | 0.21 | ug/l | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.50 | 0.30 | ug/l | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.50 | 0.31 | ug/l | |
| 123-91-1 | 1,4-Dioxane | ND | 25 | 13 | ug/l | |
| 60-29-7 | Ethyl Ether | ND | 5.0 | 1.9 | ug/l | |
| 100-41-4 | Ethylbenzene | ND | 1.0 | 0.21 | ug/l | |
| 87-68-3 | Hexachlorobutadiene | ND | 5.0 | 0.42 | ug/l | |
| 591-78-6 | 2-Hexanone | ND | 5.0 | 0.76 | ug/l | |
| 98-82-8 | Isopropylbenzene | ND | 5.0 | 0.17 | ug/l | |
| 99-87-6 | p-Isopropyltoluene | ND | 5.0 | 0.27 | ug/l | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 1.0 | 0.14 | ug/l | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 5.0 | 0.50 | ug/l | |
| 74-95-3 | Methylene bromide | ND | 5.0 | 0.27 | ug/l | |
| 75-09-2 | Methylene chloride | ND | 2.0 | 0.27 | ug/l | |
| 91-20-3 | Naphthalene | 1.2 | 5.0 | 0.68 | ug/l | J |
| 103-65-1 | n-Propylbenzene | ND | 5.0 | 0.21 | ug/l | |
| 100-42-5 | Styrene | ND | 5.0 | 0.23 | ug/l | |
| 994-05-8 | tert-Amyl Methyl Ether | ND | 2.0 | 0.12 | ug/l | |
| 637-92-3 | tert-Butyl Ethyl Ether | ND | 2.0 | 0.22 | ug/l | |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 5.0 | 0.31 | ug/l | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 1.0 | 0.22 | ug/l | |
| 127-18-4 | Tetrachloroethene | ND | 1.0 | 0.34 | ug/l | |
| 109-99-9 | Tetrahydrofuran | ND | 10 | 1.2 | ug/l | |
| 108-88-3 | Toluene | ND | 1.0 | 0.24 | ug/l | |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 5.0 | 0.43 | ug/l | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.0 | 0.49 | ug/l | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 1.0 | 0.21 | ug/l | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.0 | 0.32 | ug/l | |
| 79-01-6 | Trichloroethene | 0.82 | 1.0 | 0.30 | ug/l | J |
| 75-69-4 | Trichlorofluoromethane | ND | 1.0 | 0.31 | ug/l | |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 5.0 | 0.25 | ug/l | |
| 95-63-6 | 1,2,4-Trimethylbenzene | 0.45 | 5.0 | 0.18 | ug/l | J |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 5.0 | 0.15 | ug/l | |
| 75-01-4 | Vinyl chloride | ND | 1.0 | 0.24 | ug/l | |
| | m,p-Xylene | ND | 1.0 | 0.54 | ug/l | |
| 95-47-6 | o-Xylene | ND | 1.0 | 0.37 | ug/l | |
| 1330-20-7 | Xylene (total) | ND | 1.0 | 0.37 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-MW113 | | |
| **Lab Sample ID:** | M64162-13 | **Date Sampled:** | 04/12/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

**VOA MCP List**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 102% | | 84-129% |
| 2037-26-5 | Toluene-D8 | 102% | | 80-120% |
| 460-00-4 | 4-Bromofluorobenzene | 96% | | 82-118% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-MW114 | | |
| **Lab Sample ID:** | M64162-14 | **Date Sampled:** | 04/13/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | N18918.D | 1 | 04/27/07 | AT | n/a | n/a | MSN684 |
| Run #2 | | | | | | | |

| | Purge Volume |
|---|---|
| Run #1 | 5.0 ml |
| Run #2 | |

**VOA MCP List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | 5.0 | 2.8 | ug/l | |
| 71-43-2 | Benzene | ND | 0.50 | 0.23 | ug/l | |
| 108-86-1 | Bromobenzene | ND | 5.0 | 0.23 | ug/l | |
| 74-97-5 | Bromochloromethane | ND | 5.0 | 0.44 | ug/l | |
| 75-27-4 | Bromodichloromethane | ND | 1.0 | 0.26 | ug/l | |
| 75-25-2 | Bromoform | ND | 1.0 | 0.47 | ug/l | |
| 74-83-9 | Bromomethane | ND | 2.0 | 0.61 | ug/l | |
| 78-93-3 | 2-Butanone (MEK) | ND | 5.0 | 1.8 | ug/l | |
| 104-51-8 | n-Butylbenzene | ND | 5.0 | 0.32 | ug/l | |
| 135-98-8 | sec-Butylbenzene | ND | 5.0 | 0.50 | ug/l | |
| 98-06-6 | tert-Butylbenzene | ND | 5.0 | 0.23 | ug/l | |
| 75-15-0 | Carbon disulfide | ND | 5.0 | 0.41 | ug/l | |
| 56-23-5 | Carbon tetrachloride | ND | 1.0 | 0.21 | ug/l | |
| 108-90-7 | Chlorobenzene | ND | 1.0 | 0.32 | ug/l | |
| 75-00-3 | Chloroethane | ND | 2.0 | 0.65 | ug/l | |
| 67-66-3 | Chloroform | ND | 1.0 | 0.18 | ug/l | |
| 74-87-3 | Chloromethane | ND | 2.0 | 0.20 | ug/l | |
| 95-49-8 | o-Chlorotoluene | ND | 5.0 | 0.21 | ug/l | |
| 106-43-4 | p-Chlorotoluene | ND | 5.0 | 0.27 | ug/l | |
| 108-20-3 | Di-Isopropyl ether | ND | 2.0 | 0.13 | ug/l | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 5.0 | 0.85 | ug/l | |
| 124-48-1 | Dibromochloromethane | ND | 1.0 | 0.34 | ug/l | |
| 106-93-4 | 1,2-Dibromoethane | ND | 2.0 | 0.40 | ug/l | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 1.0 | 0.29 | ug/l | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 1.0 | 0.18 | ug/l | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 1.0 | 0.20 | ug/l | |
| 75-71-8 | Dichlorodifluoromethane | ND | 2.0 | 0.74 | ug/l | |
| 75-34-3 | 1,1-Dichloroethane | ND | 1.0 | 0.18 | ug/l | |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.0 | 0.20 | ug/l | |
| 75-35-4 | 1,1-Dichloroethene | ND | 1.0 | 0.35 | ug/l | |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 1.0 | 0.36 | ug/l | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1.0 | 0.40 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-MW114 | | |
| **Lab Sample ID:** | M64162-14 | **Date Sampled:** | 04/13/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

**VOA MCP List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 78-87-5 | 1,2-Dichloropropane | ND | 2.0 | 0.28 | ug/l | |
| 142-28-9 | 1,3-Dichloropropane | ND | 5.0 | 0.27 | ug/l | |
| 594-20-7 | 2,2-Dichloropropane | ND | 5.0 | 0.28 | ug/l | |
| 563-58-6 | 1,1-Dichloropropene | ND | 5.0 | 0.21 | ug/l | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.50 | 0.30 | ug/l | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.50 | 0.31 | ug/l | |
| 123-91-1 | 1,4-Dioxane | ND | 25 | 13 | ug/l | |
| 60-29-7 | Ethyl Ether | ND | 5.0 | 1.9 | ug/l | |
| 100-41-4 | Ethylbenzene | ND | 1.0 | 0.21 | ug/l | |
| 87-68-3 | Hexachlorobutadiene | ND | 5.0 | 0.42 | ug/l | |
| 591-78-6 | 2-Hexanone | ND | 5.0 | 0.76 | ug/l | |
| 98-82-8 | Isopropylbenzene | ND | 5.0 | 0.17 | ug/l | |
| 99-87-6 | p-Isopropyltoluene | ND | 5.0 | 0.27 | ug/l | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 1.0 | 0.14 | ug/l | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 5.0 | 0.50 | ug/l | |
| 74-95-3 | Methylene bromide | ND | 5.0 | 0.27 | ug/l | |
| 75-09-2 | Methylene chloride | ND | 2.0 | 0.27 | ug/l | |
| 91-20-3 | Naphthalene | ND | 5.0 | 0.68 | ug/l | |
| 103-65-1 | n-Propylbenzene | ND | 5.0 | 0.21 | ug/l | |
| 100-42-5 | Styrene | ND | 5.0 | 0.23 | ug/l | |
| 994-05-8 | tert-Amyl Methyl Ether | ND | 2.0 | 0.12 | ug/l | |
| 637-92-3 | tert-Butyl Ethyl Ether | ND | 2.0 | 0.22 | ug/l | |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 5.0 | 0.31 | ug/l | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 1.0 | 0.22 | ug/l | |
| 127-18-4 | Tetrachloroethene | ND | 1.0 | 0.34 | ug/l | |
| 109-99-9 | Tetrahydrofuran | ND | 10 | 1.2 | ug/l | |
| 108-88-3 | Toluene | ND | 1.0 | 0.24 | ug/l | |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 5.0 | 0.43 | ug/l | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.0 | 0.49 | ug/l | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 1.0 | 0.21 | ug/l | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.0 | 0.32 | ug/l | |
| 79-01-6 | Trichloroethene | ND | 1.0 | 0.30 | ug/l | |
| 75-69-4 | Trichlorofluoromethane | ND | 1.0 | 0.31 | ug/l | |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 5.0 | 0.25 | ug/l | |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 5.0 | 0.18 | ug/l | |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 5.0 | 0.15 | ug/l | |
| 75-01-4 | Vinyl chloride | ND | 1.0 | 0.24 | ug/l | |
| | m,p-Xylene | ND | 1.0 | 0.54 | ug/l | |
| 95-47-6 | o-Xylene | ND | 1.0 | 0.37 | ug/l | |
| 1330-20-7 | Xylene (total) | ND | 1.0 | 0.37 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-MW114 | | |
| **Lab Sample ID:** | M64162-14 | **Date Sampled:** | 04/13/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

**VOA MCP List**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 117% | | 84-129% |
| 2037-26-5 | Toluene-D8 | 103% | | 80-120% |
| 460-00-4 | 4-Bromofluorobenzene | 106% | | 82-118% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-MW115 | | |
| **Lab Sample ID:** | M64162-15 | **Date Sampled:** | 04/13/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | N18919.D | 1 | 04/27/07 | AT | n/a | n/a | MSN684 |
| Run #2 | | | | | | | |

| | Purge Volume |
|---|---|
| Run #1 | 5.0 ml |
| Run #2 | |

**VOA MCP List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | 5.0 | 2.8 | ug/l | |
| 71-43-2 | Benzene | ND | 0.50 | 0.23 | ug/l | |
| 108-86-1 | Bromobenzene | ND | 5.0 | 0.23 | ug/l | |
| 74-97-5 | Bromochloromethane | ND | 5.0 | 0.44 | ug/l | |
| 75-27-4 | Bromodichloromethane | ND | 1.0 | 0.26 | ug/l | |
| 75-25-2 | Bromoform | ND | 1.0 | 0.47 | ug/l | |
| 74-83-9 | Bromomethane | ND | 2.0 | 0.61 | ug/l | |
| 78-93-3 | 2-Butanone (MEK) | ND | 5.0 | 1.8 | ug/l | |
| 104-51-8 | n-Butylbenzene | ND | 5.0 | 0.32 | ug/l | |
| 135-98-8 | sec-Butylbenzene | ND | 5.0 | 0.50 | ug/l | |
| 98-06-6 | tert-Butylbenzene | ND | 5.0 | 0.23 | ug/l | |
| 75-15-0 | Carbon disulfide | ND | 5.0 | 0.41 | ug/l | |
| 56-23-5 | Carbon tetrachloride | ND | 1.0 | 0.21 | ug/l | |
| 108-90-7 | Chlorobenzene | ND | 1.0 | 0.32 | ug/l | |
| 75-00-3 | Chloroethane | ND | 2.0 | 0.65 | ug/l | |
| 67-66-3 | Chloroform | ND | 1.0 | 0.18 | ug/l | |
| 74-87-3 | Chloromethane | ND | 2.0 | 0.20 | ug/l | |
| 95-49-8 | o-Chlorotoluene | ND | 5.0 | 0.21 | ug/l | |
| 106-43-4 | p-Chlorotoluene | ND | 5.0 | 0.27 | ug/l | |
| 108-20-3 | Di-Isopropyl ether | ND | 2.0 | 0.13 | ug/l | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 5.0 | 0.85 | ug/l | |
| 124-48-1 | Dibromochloromethane | ND | 1.0 | 0.34 | ug/l | |
| 106-93-4 | 1,2-Dibromoethane | ND | 2.0 | 0.40 | ug/l | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 1.0 | 0.29 | ug/l | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 1.0 | 0.18 | ug/l | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 1.0 | 0.20 | ug/l | |
| 75-71-8 | Dichlorodifluoromethane | ND | 2.0 | 0.74 | ug/l | |
| 75-34-3 | 1,1-Dichloroethane | ND | 1.0 | 0.18 | ug/l | |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.0 | 0.20 | ug/l | |
| 75-35-4 | 1,1-Dichloroethene | ND | 1.0 | 0.35 | ug/l | |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 1.0 | 0.36 | ug/l | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1.0 | 0.40 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-MW115 | | |
| **Lab Sample ID:** | M64162-15 | **Date Sampled:** | 04/13/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

**VOA MCP List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 78-87-5 | 1,2-Dichloropropane | ND | 2.0 | 0.28 | ug/l | |
| 142-28-9 | 1,3-Dichloropropane | ND | 5.0 | 0.27 | ug/l | |
| 594-20-7 | 2,2-Dichloropropane | ND | 5.0 | 0.28 | ug/l | |
| 563-58-6 | 1,1-Dichloropropene | ND | 5.0 | 0.21 | ug/l | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.50 | 0.30 | ug/l | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.50 | 0.31 | ug/l | |
| 123-91-1 | 1,4-Dioxane | ND | 25 | 13 | ug/l | |
| 60-29-7 | Ethyl Ether | ND | 5.0 | 1.9 | ug/l | |
| 100-41-4 | Ethylbenzene | ND | 1.0 | 0.21 | ug/l | |
| 87-68-3 | Hexachlorobutadiene | ND | 5.0 | 0.42 | ug/l | |
| 591-78-6 | 2-Hexanone | ND | 5.0 | 0.76 | ug/l | |
| 98-82-8 | Isopropylbenzene | ND | 5.0 | 0.17 | ug/l | |
| 99-87-6 | p-Isopropyltoluene | ND | 5.0 | 0.27 | ug/l | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 1.0 | 0.14 | ug/l | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 5.0 | 0.50 | ug/l | |
| 74-95-3 | Methylene bromide | ND | 5.0 | 0.27 | ug/l | |
| 75-09-2 | Methylene chloride | ND | 2.0 | 0.27 | ug/l | |
| 91-20-3 | Naphthalene | ND | 5.0 | 0.68 | ug/l | |
| 103-65-1 | n-Propylbenzene | ND | 5.0 | 0.21 | ug/l | |
| 100-42-5 | Styrene | ND | 5.0 | 0.23 | ug/l | |
| 994-05-8 | tert-Amyl Methyl Ether | ND | 2.0 | 0.12 | ug/l | |
| 637-92-3 | tert-Butyl Ethyl Ether | ND | 2.0 | 0.22 | ug/l | |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 5.0 | 0.31 | ug/l | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 1.0 | 0.22 | ug/l | |
| 127-18-4 | Tetrachloroethene | ND | 1.0 | 0.34 | ug/l | |
| 109-99-9 | Tetrahydrofuran | ND | 10 | 1.2 | ug/l | |
| 108-88-3 | Toluene | ND | 1.0 | 0.24 | ug/l | |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 5.0 | 0.43 | ug/l | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.0 | 0.49 | ug/l | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 1.0 | 0.21 | ug/l | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.0 | 0.32 | ug/l | |
| 79-01-6 | Trichloroethene | ND | 1.0 | 0.30 | ug/l | |
| 75-69-4 | Trichlorofluoromethane | ND | 1.0 | 0.31 | ug/l | |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 5.0 | 0.25 | ug/l | |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 5.0 | 0.18 | ug/l | |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 5.0 | 0.15 | ug/l | |
| 75-01-4 | Vinyl chloride | ND | 1.0 | 0.24 | ug/l | |
| | m,p-Xylene | ND | 1.0 | 0.54 | ug/l | |
| 95-47-6 | o-Xylene | ND | 1.0 | 0.37 | ug/l | |
| 1330-20-7 | Xylene (total) | ND | 1.0 | 0.37 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-MW115 | | |
| **Lab Sample ID:** | M64162-15 | **Date Sampled:** | 04/13/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

**VOA MCP List**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 119% | | 84-129% |
| 2037-26-5 | Toluene-D8 | 104% | | 80-120% |
| 460-00-4 | 4-Bromofluorobenzene | 105% | | 82-118% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-MW116 | | |
| **Lab Sample ID:** | M64162-16 | **Date Sampled:** | 04/16/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | G69230.D | 1 | 04/27/07 | KT | n/a | n/a | MSG2784 |
| Run #2 | | | | | | | |

| | Purge Volume |
|---|---|
| Run #1 | 5.0 ml |
| Run #2 | |

**VOA MCP List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | 5.0 | 2.8 | ug/l | |
| 71-43-2 | Benzene | ND | 0.50 | 0.23 | ug/l | |
| 108-86-1 | Bromobenzene | ND | 5.0 | 0.23 | ug/l | |
| 74-97-5 | Bromochloromethane | ND | 5.0 | 0.44 | ug/l | |
| 75-27-4 | Bromodichloromethane | ND | 1.0 | 0.26 | ug/l | |
| 75-25-2 | Bromoform | ND | 1.0 | 0.47 | ug/l | |
| 74-83-9 | Bromomethane | ND | 2.0 | 0.61 | ug/l | |
| 78-93-3 | 2-Butanone (MEK) | ND | 5.0 | 1.8 | ug/l | |
| 104-51-8 | n-Butylbenzene | ND | 5.0 | 0.32 | ug/l | |
| 135-98-8 | sec-Butylbenzene | ND | 5.0 | 0.50 | ug/l | |
| 98-06-6 | tert-Butylbenzene | ND | 5.0 | 0.23 | ug/l | |
| 75-15-0 | Carbon disulfide | ND | 5.0 | 0.41 | ug/l | |
| 56-23-5 | Carbon tetrachloride | ND | 1.0 | 0.21 | ug/l | |
| 108-90-7 | Chlorobenzene | ND | 1.0 | 0.32 | ug/l | |
| 75-00-3 | Chloroethane | ND | 2.0 | 0.65 | ug/l | |
| 67-66-3 | Chloroform | ND | 1.0 | 0.18 | ug/l | |
| 74-87-3 | Chloromethane | ND | 2.0 | 0.20 | ug/l | |
| 95-49-8 | o-Chlorotoluene | ND | 5.0 | 0.21 | ug/l | |
| 106-43-4 | p-Chlorotoluene | ND | 5.0 | 0.27 | ug/l | |
| 108-20-3 | Di-Isopropyl ether | ND | 2.0 | 0.13 | ug/l | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 5.0 | 0.85 | ug/l | |
| 124-48-1 | Dibromochloromethane | ND | 1.0 | 0.34 | ug/l | |
| 106-93-4 | 1,2-Dibromoethane | ND | 2.0 | 0.40 | ug/l | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 1.0 | 0.29 | ug/l | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 1.0 | 0.18 | ug/l | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 1.0 | 0.20 | ug/l | |
| 75-71-8 | Dichlorodifluoromethane | ND | 2.0 | 0.74 | ug/l | |
| 75-34-3 | 1,1-Dichloroethane | 4.4 | 1.0 | 0.18 | ug/l | |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.0 | 0.20 | ug/l | |
| 75-35-4 | 1,1-Dichloroethene | 2.7 | 1.0 | 0.35 | ug/l | |
| 156-59-2 | cis-1,2-Dichloroethene | 21.7 | 1.0 | 0.36 | ug/l | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1.0 | 0.40 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-MW116 | | |
| **Lab Sample ID:** | M64162-16 | **Date Sampled:** | 04/16/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

**VOA MCP List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 78-87-5 | 1,2-Dichloropropane | ND | 2.0 | 0.28 | ug/l | |
| 142-28-9 | 1,3-Dichloropropane | ND | 5.0 | 0.27 | ug/l | |
| 594-20-7 | 2,2-Dichloropropane | ND | 5.0 | 0.28 | ug/l | |
| 563-58-6 | 1,1-Dichloropropene | ND | 5.0 | 0.21 | ug/l | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.50 | 0.30 | ug/l | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.50 | 0.31 | ug/l | |
| 123-91-1 | 1,4-Dioxane | ND | 25 | 13 | ug/l | |
| 60-29-7 | Ethyl Ether | ND | 5.0 | 1.9 | ug/l | |
| 100-41-4 | Ethylbenzene | ND | 1.0 | 0.21 | ug/l | |
| 87-68-3 | Hexachlorobutadiene | ND | 5.0 | 0.42 | ug/l | |
| 591-78-6 | 2-Hexanone | ND | 5.0 | 0.76 | ug/l | |
| 98-82-8 | Isopropylbenzene | ND | 5.0 | 0.17 | ug/l | |
| 99-87-6 | p-Isopropyltoluene | ND | 5.0 | 0.27 | ug/l | |
| 1634-04-4 | Methyl Tert Butyl Ether | 0.40 | 1.0 | 0.14 | ug/l | J |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 5.0 | 0.50 | ug/l | |
| 74-95-3 | Methylene bromide | ND | 5.0 | 0.27 | ug/l | |
| 75-09-2 | Methylene chloride | ND | 2.0 | 0.27 | ug/l | |
| 91-20-3 | Naphthalene | ND | 5.0 | 0.68 | ug/l | |
| 103-65-1 | n-Propylbenzene | ND | 5.0 | 0.21 | ug/l | |
| 100-42-5 | Styrene | ND | 5.0 | 0.23 | ug/l | |
| 994-05-8 | tert-Amyl Methyl Ether | ND | 2.0 | 0.12 | ug/l | |
| 637-92-3 | tert-Butyl Ethyl Ether | ND | 2.0 | 0.22 | ug/l | |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 5.0 | 0.31 | ug/l | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 1.0 | 0.22 | ug/l | |
| 127-18-4 | Tetrachloroethene | 32.2 | 1.0 | 0.34 | ug/l | |
| 109-99-9 | Tetrahydrofuran | 13.8 | 10 | 1.2 | ug/l | |
| 108-88-3 | Toluene | ND | 1.0 | 0.24 | ug/l | |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 5.0 | 0.43 | ug/l | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.0 | 0.49 | ug/l | |
| 71-55-6 | 1,1,1-Trichloroethane | 0.67 | 1.0 | 0.21 | ug/l | J |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.0 | 0.32 | ug/l | |
| 79-01-6 | Trichloroethene | 19.4 | 1.0 | 0.30 | ug/l | |
| 75-69-4 | Trichlorofluoromethane | ND | 1.0 | 0.31 | ug/l | |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 5.0 | 0.25 | ug/l | |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 5.0 | 0.18 | ug/l | |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 5.0 | 0.15 | ug/l | |
| 75-01-4 | Vinyl chloride | 3.2 | 1.0 | 0.24 | ug/l | |
| | m,p-Xylene | ND | 1.0 | 0.54 | ug/l | |
| 95-47-6 | o-Xylene | ND | 1.0 | 0.37 | ug/l | |
| 1330-20-7 | Xylene (total) | ND | 1.0 | 0.37 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-MW116 | | |
| **Lab Sample ID:** | M64162-16 | **Date Sampled:** | 04/16/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

**VOA MCP List**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 101% | | 84-129% |
| 2037-26-5 | Toluene-D8 | 102% | | 80-120% |
| 460-00-4 | 4-Bromofluorobenzene | 101% | | 82-118% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-GEO1 | | |
| **Lab Sample ID:** | M64162-17 | **Date Sampled:** | 04/12/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | P17204.D | 1 | 04/26/07 | AMY | n/a | n/a | MSP589 |
| Run #2 | P17209.D | 250 | 04/26/07 | AMY | n/a | n/a | MSP589 |

| | Purge Volume |
|---|---|
| Run #1 | 5.0 ml |
| Run #2 | 5.0 ml |

**VOA MCP List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | 9.7 | 5.0 | 2.8 | ug/l | |
| 71-43-2 | Benzene | 0.27 | 0.50 | 0.23 | ug/l | J |
| 108-86-1 | Bromobenzene | ND | 5.0 | 0.23 | ug/l | |
| 74-97-5 | Bromochloromethane | ND | 5.0 | 0.44 | ug/l | |
| 75-27-4 | Bromodichloromethane | ND | 1.0 | 0.26 | ug/l | |
| 75-25-2 | Bromoform | ND | 1.0 | 0.47 | ug/l | |
| 74-83-9 | Bromomethane | ND | 2.0 | 0.61 | ug/l | |
| 78-93-3 | 2-Butanone (MEK) | ND | 5.0 | 1.8 | ug/l | |
| 104-51-8 | n-Butylbenzene | ND | 5.0 | 0.32 | ug/l | |
| 135-98-8 | sec-Butylbenzene | ND | 5.0 | 0.50 | ug/l | |
| 98-06-6 | tert-Butylbenzene | ND | 5.0 | 0.23 | ug/l | |
| 75-15-0 | Carbon disulfide | ND | 5.0 | 0.41 | ug/l | |
| 56-23-5 | Carbon tetrachloride | 5.4 | 1.0 | 0.21 | ug/l | |
| 108-90-7 | Chlorobenzene | 0.77 | 1.0 | 0.32 | ug/l | J |
| 75-00-3 | Chloroethane | ND | 2.0 | 0.65 | ug/l | |
| 67-66-3 | Chloroform | 1.5 | 1.0 | 0.18 | ug/l | |
| 74-87-3 | Chloromethane | 6.2 | 2.0 | 0.20 | ug/l | |
| 95-49-8 | o-Chlorotoluene | ND | 5.0 | 0.21 | ug/l | |
| 106-43-4 | p-Chlorotoluene | ND | 5.0 | 0.27 | ug/l | |
| 108-20-3 | Di-Isopropyl ether | ND | 2.0 | 0.13 | ug/l | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 5.0 | 0.85 | ug/l | |
| 124-48-1 | Dibromochloromethane | ND | 1.0 | 0.34 | ug/l | |
| 106-93-4 | 1,2-Dibromoethane | ND | 2.0 | 0.40 | ug/l | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 1.0 | 0.29 | ug/l | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 1.0 | 0.18 | ug/l | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 1.0 | 0.20 | ug/l | |
| 75-71-8 | Dichlorodifluoromethane | ND | 2.0 | 0.74 | ug/l | |
| 75-34-3 | 1,1-Dichloroethane | 10.6 | 1.0 | 0.18 | ug/l | |
| 107-06-2 | 1,2-Dichloroethane | 1.3 | 1.0 | 0.20 | ug/l | |
| 75-35-4 | 1,1-Dichloroethene | 8980 [a] | 250 | 89 | ug/l | |
| 156-59-2 | cis-1,2-Dichloroethene | 8.7 | 1.0 | 0.36 | ug/l | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1.0 | 0.40 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-GEO1 | | |
| **Lab Sample ID:** | M64162-17 | **Date Sampled:** | 04/12/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

**VOA MCP List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 78-87-5 | 1,2-Dichloropropane | ND | 2.0 | 0.28 | ug/l | |
| 142-28-9 | 1,3-Dichloropropane | ND | 5.0 | 0.27 | ug/l | |
| 594-20-7 | 2,2-Dichloropropane | ND | 5.0 | 0.28 | ug/l | |
| 563-58-6 | 1,1-Dichloropropene | ND | 5.0 | 0.21 | ug/l | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.50 | 0.30 | ug/l | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.50 | 0.31 | ug/l | |
| 123-91-1 | 1,4-Dioxane | ND | 25 | 13 | ug/l | |
| 60-29-7 | Ethyl Ether | ND | 5.0 | 1.9 | ug/l | |
| 100-41-4 | Ethylbenzene | 0.41 | 1.0 | 0.21 | ug/l | J |
| 87-68-3 | Hexachlorobutadiene | ND | 5.0 | 0.42 | ug/l | |
| 591-78-6 | 2-Hexanone | ND | 5.0 | 0.76 | ug/l | |
| 98-82-8 | Isopropylbenzene | ND | 5.0 | 0.17 | ug/l | |
| 99-87-6 | p-Isopropyltoluene | ND | 5.0 | 0.27 | ug/l | |
| 1634-04-4 | Methyl Tert Butyl Ether | 6.9 | 1.0 | 0.14 | ug/l | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 5.0 | 0.50 | ug/l | |
| 74-95-3 | Methylene bromide | ND | 5.0 | 0.27 | ug/l | |
| 75-09-2 | Methylene chloride | ND | 2.0 | 0.27 | ug/l | |
| 91-20-3 | Naphthalene | ND | 5.0 | 0.68 | ug/l | |
| 103-65-1 | n-Propylbenzene | ND | 5.0 | 0.21 | ug/l | |
| 100-42-5 | Styrene | ND | 5.0 | 0.23 | ug/l | |
| 994-05-8 | tert-Amyl Methyl Ether | ND | 2.0 | 0.12 | ug/l | |
| 637-92-3 | tert-Butyl Ethyl Ether | ND | 2.0 | 0.22 | ug/l | |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | 15.6 | 5.0 | 0.31 | ug/l | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 1.0 | 0.22 | ug/l | |
| 127-18-4 | Tetrachloroethene | 48500 [a] | 250 | 85 | ug/l | |
| 109-99-9 | Tetrahydrofuran | ND | 10 | 1.2 | ug/l | |
| 108-88-3 | Toluene | 2.1 | 1.0 | 0.24 | ug/l | |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 5.0 | 0.43 | ug/l | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.0 | 0.49 | ug/l | |
| 71-55-6 | 1,1,1-Trichloroethane | 42500 [a] | 250 | 53 | ug/l | |
| 79-00-5 | 1,1,2-Trichloroethane | 3.8 | 1.0 | 0.32 | ug/l | |
| 79-01-6 | Trichloroethene | 30600 [a] | 250 | 74 | ug/l | |
| 75-69-4 | Trichlorofluoromethane | ND | 1.0 | 0.31 | ug/l | |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 5.0 | 0.25 | ug/l | |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 5.0 | 0.18 | ug/l | |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 5.0 | 0.15 | ug/l | |
| 75-01-4 | Vinyl chloride | ND | 1.0 | 0.24 | ug/l | |
| | m,p-Xylene | ND | 1.0 | 0.54 | ug/l | |
| 95-47-6 | o-Xylene | ND | 1.0 | 0.37 | ug/l | |
| 1330-20-7 | Xylene (total) | ND | 1.0 | 0.37 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-GEO1 | | |
| **Lab Sample ID:** | M64162-17 | **Date Sampled:** | 04/12/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

**VOA MCP List**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 106% | 112% | 84-129% |
| 2037-26-5 | Toluene-D8 | 102% | 102% | 80-120% |
| 460-00-4 | 4-Bromofluorobenzene | 101% | 95% | 82-118% |

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-GEO2 | | |
| **Lab Sample ID:** | M64162-18 | **Date Sampled:** | 04/12/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | N18891.D | 1 | 04/26/07 | AT | n/a | n/a | MSN683 |
| Run #2 | | | | | | | |

| | Purge Volume |
|---|---|
| Run #1 | 5.0 ml |
| Run #2 | |

**VOA MCP List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | 5.0 | 2.8 | ug/l | |
| 71-43-2 | Benzene | ND | 0.50 | 0.23 | ug/l | |
| 108-86-1 | Bromobenzene | ND | 5.0 | 0.23 | ug/l | |
| 74-97-5 | Bromochloromethane | ND | 5.0 | 0.44 | ug/l | |
| 75-27-4 | Bromodichloromethane | ND | 1.0 | 0.26 | ug/l | |
| 75-25-2 | Bromoform | ND | 1.0 | 0.47 | ug/l | |
| 74-83-9 | Bromomethane | ND | 2.0 | 0.61 | ug/l | |
| 78-93-3 | 2-Butanone (MEK) | ND | 5.0 | 1.8 | ug/l | |
| 104-51-8 | n-Butylbenzene | ND | 5.0 | 0.32 | ug/l | |
| 135-98-8 | sec-Butylbenzene | ND | 5.0 | 0.50 | ug/l | |
| 98-06-6 | tert-Butylbenzene | ND | 5.0 | 0.23 | ug/l | |
| 75-15-0 | Carbon disulfide | ND | 5.0 | 0.41 | ug/l | |
| 56-23-5 | Carbon tetrachloride | ND | 1.0 | 0.21 | ug/l | |
| 108-90-7 | Chlorobenzene | ND | 1.0 | 0.32 | ug/l | |
| 75-00-3 | Chloroethane | ND | 2.0 | 0.65 | ug/l | |
| 67-66-3 | Chloroform | ND | 1.0 | 0.18 | ug/l | |
| 74-87-3 | Chloromethane | ND | 2.0 | 0.20 | ug/l | |
| 95-49-8 | o-Chlorotoluene | ND | 5.0 | 0.21 | ug/l | |
| 106-43-4 | p-Chlorotoluene | ND | 5.0 | 0.27 | ug/l | |
| 108-20-3 | Di-Isopropyl ether | ND | 2.0 | 0.13 | ug/l | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 5.0 | 0.85 | ug/l | |
| 124-48-1 | Dibromochloromethane | ND | 1.0 | 0.34 | ug/l | |
| 106-93-4 | 1,2-Dibromoethane | ND | 2.0 | 0.40 | ug/l | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 1.0 | 0.29 | ug/l | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 1.0 | 0.18 | ug/l | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 1.0 | 0.20 | ug/l | |
| 75-71-8 | Dichlorodifluoromethane | ND | 2.0 | 0.74 | ug/l | |
| 75-34-3 | 1,1-Dichloroethane | 2.5 | 1.0 | 0.18 | ug/l | |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.0 | 0.20 | ug/l | |
| 75-35-4 | 1,1-Dichloroethene | 11.5 | 1.0 | 0.35 | ug/l | |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 1.0 | 0.36 | ug/l | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1.0 | 0.40 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-GEO2 | | |
| **Lab Sample ID:** | M64162-18 | **Date Sampled:** | 04/12/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

**VOA MCP List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 78-87-5 | 1,2-Dichloropropane | ND | 2.0 | 0.28 | ug/l | |
| 142-28-9 | 1,3-Dichloropropane | ND | 5.0 | 0.27 | ug/l | |
| 594-20-7 | 2,2-Dichloropropane | ND | 5.0 | 0.28 | ug/l | |
| 563-58-6 | 1,1-Dichloropropene | ND | 5.0 | 0.21 | ug/l | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.50 | 0.30 | ug/l | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.50 | 0.31 | ug/l | |
| 123-91-1 | 1,4-Dioxane | ND | 25 | 13 | ug/l | |
| 60-29-7 | Ethyl Ether | ND | 5.0 | 1.9 | ug/l | |
| 100-41-4 | Ethylbenzene | ND | 1.0 | 0.21 | ug/l | |
| 87-68-3 | Hexachlorobutadiene | ND | 5.0 | 0.42 | ug/l | |
| 591-78-6 | 2-Hexanone | ND | 5.0 | 0.76 | ug/l | |
| 98-82-8 | Isopropylbenzene | ND | 5.0 | 0.17 | ug/l | |
| 99-87-6 | p-Isopropyltoluene | ND | 5.0 | 0.27 | ug/l | |
| 1634-04-4 | Methyl Tert Butyl Ether | 16.5 | 1.0 | 0.14 | ug/l | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 5.0 | 0.50 | ug/l | |
| 74-95-3 | Methylene bromide | ND | 5.0 | 0.27 | ug/l | |
| 75-09-2 | Methylene chloride | ND | 2.0 | 0.27 | ug/l | |
| 91-20-3 | Naphthalene | ND | 5.0 | 0.68 | ug/l | |
| 103-65-1 | n-Propylbenzene | ND | 5.0 | 0.21 | ug/l | |
| 100-42-5 | Styrene | ND | 5.0 | 0.23 | ug/l | |
| 994-05-8 | tert-Amyl Methyl Ether | ND | 2.0 | 0.12 | ug/l | |
| 637-92-3 | tert-Butyl Ethyl Ether | ND | 2.0 | 0.22 | ug/l | |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 5.0 | 0.31 | ug/l | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 1.0 | 0.22 | ug/l | |
| 127-18-4 | Tetrachloroethene | 120 | 1.0 | 0.34 | ug/l | |
| 109-99-9 | Tetrahydrofuran | ND | 10 | 1.2 | ug/l | |
| 108-88-3 | Toluene | ND | 1.0 | 0.24 | ug/l | |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 5.0 | 0.43 | ug/l | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.0 | 0.49 | ug/l | |
| 71-55-6 | 1,1,1-Trichloroethane | 147 | 1.0 | 0.21 | ug/l | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.0 | 0.32 | ug/l | |
| 79-01-6 | Trichloroethene | 36.0 | 1.0 | 0.30 | ug/l | |
| 75-69-4 | Trichlorofluoromethane | ND | 1.0 | 0.31 | ug/l | |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 5.0 | 0.25 | ug/l | |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 5.0 | 0.18 | ug/l | |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 5.0 | 0.15 | ug/l | |
| 75-01-4 | Vinyl chloride | ND | 1.0 | 0.24 | ug/l | |
| | m,p-Xylene | ND | 1.0 | 0.54 | ug/l | |
| 95-47-6 | o-Xylene | ND | 1.0 | 0.37 | ug/l | |
| 1330-20-7 | Xylene (total) | ND | 1.0 | 0.37 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-GEO2 | | |
| **Lab Sample ID:** | M64162-18 | **Date Sampled:** | 04/12/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

**VOA MCP List**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 122% | | 84-129% |
| 2037-26-5 | Toluene-D8 | 105% | | 80-120% |
| 460-00-4 | 4-Bromofluorobenzene | 105% | | 82-118% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-GEO3 | | |
| **Lab Sample ID:** | M64162-19 | **Date Sampled:** | 04/13/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | P17221.D | 1 | 04/26/07 | AMY | n/a | n/a | MSP589 |
| Run #2 | | | | | | | |

| | Purge Volume |
|---|---|
| Run #1 | 5.0 ml |
| Run #2 | |

**VOA MCP List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | 5.0 | 2.8 | ug/l | |
| 71-43-2 | Benzene | ND | 0.50 | 0.23 | ug/l | |
| 108-86-1 | Bromobenzene | ND | 5.0 | 0.23 | ug/l | |
| 74-97-5 | Bromochloromethane | ND | 5.0 | 0.44 | ug/l | |
| 75-27-4 | Bromodichloromethane | ND | 1.0 | 0.26 | ug/l | |
| 75-25-2 | Bromoform | ND | 1.0 | 0.47 | ug/l | |
| 74-83-9 | Bromomethane | ND | 2.0 | 0.61 | ug/l | |
| 78-93-3 | 2-Butanone (MEK) | ND | 5.0 | 1.8 | ug/l | |
| 104-51-8 | n-Butylbenzene | ND | 5.0 | 0.32 | ug/l | |
| 135-98-8 | sec-Butylbenzene | ND | 5.0 | 0.50 | ug/l | |
| 98-06-6 | tert-Butylbenzene | ND | 5.0 | 0.23 | ug/l | |
| 75-15-0 | Carbon disulfide | ND | 5.0 | 0.41 | ug/l | |
| 56-23-5 | Carbon tetrachloride | ND | 1.0 | 0.21 | ug/l | |
| 108-90-7 | Chlorobenzene | ND | 1.0 | 0.32 | ug/l | |
| 75-00-3 | Chloroethane | ND | 2.0 | 0.65 | ug/l | |
| 67-66-3 | Chloroform | ND | 1.0 | 0.18 | ug/l | |
| 74-87-3 | Chloromethane | ND | 2.0 | 0.20 | ug/l | |
| 95-49-8 | o-Chlorotoluene | ND | 5.0 | 0.21 | ug/l | |
| 106-43-4 | p-Chlorotoluene | ND | 5.0 | 0.27 | ug/l | |
| 108-20-3 | Di-Isopropyl ether | ND | 2.0 | 0.13 | ug/l | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 5.0 | 0.85 | ug/l | |
| 124-48-1 | Dibromochloromethane | ND | 1.0 | 0.34 | ug/l | |
| 106-93-4 | 1,2-Dibromoethane | ND | 2.0 | 0.40 | ug/l | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 1.0 | 0.29 | ug/l | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 1.0 | 0.18 | ug/l | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 1.0 | 0.20 | ug/l | |
| 75-71-8 | Dichlorodifluoromethane | ND | 2.0 | 0.74 | ug/l | |
| 75-34-3 | 1,1-Dichloroethane | ND | 1.0 | 0.18 | ug/l | |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.0 | 0.20 | ug/l | |
| 75-35-4 | 1,1-Dichloroethene | 1.4 | 1.0 | 0.35 | ug/l | |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 1.0 | 0.36 | ug/l | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1.0 | 0.40 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-GEO3 | | |
| **Lab Sample ID:** | M64162-19 | **Date Sampled:** | 04/13/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

**VOA MCP List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 78-87-5 | 1,2-Dichloropropane | ND | 2.0 | 0.28 | ug/l | |
| 142-28-9 | 1,3-Dichloropropane | ND | 5.0 | 0.27 | ug/l | |
| 594-20-7 | 2,2-Dichloropropane | ND | 5.0 | 0.28 | ug/l | |
| 563-58-6 | 1,1-Dichloropropene | ND | 5.0 | 0.21 | ug/l | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.50 | 0.30 | ug/l | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.50 | 0.31 | ug/l | |
| 123-91-1 | 1,4-Dioxane | ND | 25 | 13 | ug/l | |
| 60-29-7 | Ethyl Ether | ND | 5.0 | 1.9 | ug/l | |
| 100-41-4 | Ethylbenzene | ND | 1.0 | 0.21 | ug/l | |
| 87-68-3 | Hexachlorobutadiene | ND | 5.0 | 0.42 | ug/l | |
| 591-78-6 | 2-Hexanone | ND | 5.0 | 0.76 | ug/l | |
| 98-82-8 | Isopropylbenzene | ND | 5.0 | 0.17 | ug/l | |
| 99-87-6 | p-Isopropyltoluene | ND | 5.0 | 0.27 | ug/l | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 1.0 | 0.14 | ug/l | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 5.0 | 0.50 | ug/l | |
| 74-95-3 | Methylene bromide | ND | 5.0 | 0.27 | ug/l | |
| 75-09-2 | Methylene chloride | ND | 2.0 | 0.27 | ug/l | |
| 91-20-3 | Naphthalene | ND | 5.0 | 0.68 | ug/l | |
| 103-65-1 | n-Propylbenzene | ND | 5.0 | 0.21 | ug/l | |
| 100-42-5 | Styrene | ND | 5.0 | 0.23 | ug/l | |
| 994-05-8 | tert-Amyl Methyl Ether | ND | 2.0 | 0.12 | ug/l | |
| 637-92-3 | tert-Butyl Ethyl Ether | ND | 2.0 | 0.22 | ug/l | |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 5.0 | 0.31 | ug/l | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 1.0 | 0.22 | ug/l | |
| 127-18-4 | Tetrachloroethene | 93.2 | 1.0 | 0.34 | ug/l | |
| 109-99-9 | Tetrahydrofuran | ND | 10 | 1.2 | ug/l | |
| 108-88-3 | Toluene | ND | 1.0 | 0.24 | ug/l | |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 5.0 | 0.43 | ug/l | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.0 | 0.49 | ug/l | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 1.0 | 0.21 | ug/l | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.0 | 0.32 | ug/l | |
| 79-01-6 | Trichloroethene | 10.0 | 1.0 | 0.30 | ug/l | |
| 75-69-4 | Trichlorofluoromethane | ND | 1.0 | 0.31 | ug/l | |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 5.0 | 0.25 | ug/l | |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 5.0 | 0.18 | ug/l | |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 5.0 | 0.15 | ug/l | |
| 75-01-4 | Vinyl chloride | ND | 1.0 | 0.24 | ug/l | |
| | m,p-Xylene | ND | 1.0 | 0.54 | ug/l | |
| 95-47-6 | o-Xylene | ND | 1.0 | 0.37 | ug/l | |
| 1330-20-7 | Xylene (total) | ND | 1.0 | 0.37 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-GEO3 | | |
| **Lab Sample ID:** | M64162-19 | **Date Sampled:** | 04/13/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

**VOA MCP List**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 102% | | 84-129% |
| 2037-26-5 | Toluene-D8 | 99% | | 80-120% |
| 460-00-4 | 4-Bromofluorobenzene | 100% | | 82-118% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-GEO4 | | |
| **Lab Sample ID:** | M64162-20 | **Date Sampled:** | 04/16/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | G69295.D | 10 | 04/30/07 | KT | n/a | n/a | MSG2785 |
| Run #2 | G69293.D | 50 | 04/30/07 | KT | n/a | n/a | MSG2785 |

| | Purge Volume |
|---|---|
| Run #1 | 5.0 ml |
| Run #2 | 5.0 ml |

**VOA MCP List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | 50 | 28 | ug/l | |
| 71-43-2 | Benzene | ND | 5.0 | 2.3 | ug/l | |
| 108-86-1 | Bromobenzene | ND | 50 | 2.3 | ug/l | |
| 74-97-5 | Bromochloromethane | ND | 50 | 4.4 | ug/l | |
| 75-27-4 | Bromodichloromethane | ND | 10 | 2.6 | ug/l | |
| 75-25-2 | Bromoform | ND | 10 | 4.7 | ug/l | |
| 74-83-9 | Bromomethane | ND | 20 | 6.1 | ug/l | |
| 78-93-3 | 2-Butanone (MEK) | ND | 50 | 18 | ug/l | |
| 104-51-8 | n-Butylbenzene | ND | 50 | 3.2 | ug/l | |
| 135-98-8 | sec-Butylbenzene | ND | 50 | 5.0 | ug/l | |
| 98-06-6 | tert-Butylbenzene | ND | 50 | 2.3 | ug/l | |
| 75-15-0 | Carbon disulfide | ND | 50 | 4.1 | ug/l | |
| 56-23-5 | Carbon tetrachloride | ND | 10 | 2.1 | ug/l | |
| 108-90-7 | Chlorobenzene | ND | 10 | 3.2 | ug/l | |
| 75-00-3 | Chloroethane | ND | 20 | 6.5 | ug/l | |
| 67-66-3 | Chloroform | ND | 10 | 1.8 | ug/l | |
| 74-87-3 | Chloromethane | ND | 20 | 2.0 | ug/l | |
| 95-49-8 | o-Chlorotoluene | ND | 50 | 2.1 | ug/l | |
| 106-43-4 | p-Chlorotoluene | ND | 50 | 2.7 | ug/l | |
| 108-20-3 | Di-Isopropyl ether | ND | 20 | 1.3 | ug/l | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 50 | 8.5 | ug/l | |
| 124-48-1 | Dibromochloromethane | ND | 10 | 3.4 | ug/l | |
| 106-93-4 | 1,2-Dibromoethane | ND | 20 | 4.0 | ug/l | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 10 | 2.9 | ug/l | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 10 | 1.8 | ug/l | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 10 | 2.0 | ug/l | |
| 75-71-8 | Dichlorodifluoromethane | ND | 20 | 7.4 | ug/l | |
| 75-34-3 | 1,1-Dichloroethane | ND | 10 | 1.8 | ug/l | |
| 107-06-2 | 1,2-Dichloroethane | ND | 10 | 2.0 | ug/l | |
| 75-35-4 | 1,1-Dichloroethene | ND | 10 | 3.5 | ug/l | |
| 156-59-2 | cis-1,2-Dichloroethene | 5.5 | 10 | 3.6 | ug/l | J |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 10 | 4.0 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-GEO4 | | |
| **Lab Sample ID:** | M64162-20 | **Date Sampled:** | 04/16/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

**VOA MCP List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 78-87-5 | 1,2-Dichloropropane | ND | 20 | 2.8 | ug/l | |
| 142-28-9 | 1,3-Dichloropropane | ND | 50 | 2.7 | ug/l | |
| 594-20-7 | 2,2-Dichloropropane | ND | 50 | 2.8 | ug/l | |
| 563-58-6 | 1,1-Dichloropropene | ND | 50 | 2.1 | ug/l | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 5.0 | 3.0 | ug/l | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 5.0 | 3.1 | ug/l | |
| 123-91-1 | 1,4-Dioxane | ND | 250 | 130 | ug/l | |
| 60-29-7 | Ethyl Ether | ND | 50 | 19 | ug/l | |
| 100-41-4 | Ethylbenzene | ND | 10 | 2.1 | ug/l | |
| 87-68-3 | Hexachlorobutadiene | ND | 50 | 4.2 | ug/l | |
| 591-78-6 | 2-Hexanone | ND | 50 | 7.6 | ug/l | |
| 98-82-8 | Isopropylbenzene | ND | 50 | 1.7 | ug/l | |
| 99-87-6 | p-Isopropyltoluene | ND | 50 | 2.7 | ug/l | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 10 | 1.4 | ug/l | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 50 | 5.0 | ug/l | |
| 74-95-3 | Methylene bromide | ND | 50 | 2.7 | ug/l | |
| 75-09-2 | Methylene chloride | ND | 20 | 2.7 | ug/l | |
| 91-20-3 | Naphthalene | ND | 50 | 6.8 | ug/l | |
| 103-65-1 | n-Propylbenzene | ND | 50 | 2.1 | ug/l | |
| 100-42-5 | Styrene | ND | 50 | 2.3 | ug/l | |
| 994-05-8 | tert-Amyl Methyl Ether | ND | 20 | 1.2 | ug/l | |
| 637-92-3 | tert-Butyl Ethyl Ether | ND | 20 | 2.2 | ug/l | |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 50 | 3.1 | ug/l | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 10 | 2.2 | ug/l | |
| 127-18-4 | Tetrachloroethene | 8240 [a] | 50 | 17 | ug/l | |
| 109-99-9 | Tetrahydrofuran | ND | 100 | 12 | ug/l | |
| 108-88-3 | Toluene | ND | 10 | 2.4 | ug/l | |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 50 | 4.3 | ug/l | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 50 | 4.9 | ug/l | |
| 71-55-6 | 1,1,1-Trichloroethane | 70.9 | 10 | 2.1 | ug/l | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 10 | 3.2 | ug/l | |
| 79-01-6 | Trichloroethene | 74.8 | 10 | 3.0 | ug/l | |
| 75-69-4 | Trichlorofluoromethane | ND | 10 | 3.1 | ug/l | |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 50 | 2.5 | ug/l | |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 50 | 1.8 | ug/l | |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 50 | 1.5 | ug/l | |
| 75-01-4 | Vinyl chloride | ND | 10 | 2.4 | ug/l | |
| | m,p-Xylene | ND | 10 | 5.4 | ug/l | |
| 95-47-6 | o-Xylene | ND | 10 | 3.7 | ug/l | |
| 1330-20-7 | Xylene (total) | ND | 10 | 3.7 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-GEO4 | | |
| **Lab Sample ID:** | M64162-20 | **Date Sampled:** | 04/16/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

**VOA MCP List**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 100% | 98% | 84-129% |
| 2037-26-5 | Toluene-D8 | 99% | 100% | 80-120% |
| 460-00-4 | 4-Bromofluorobenzene | 97% | 97% | 82-118% |

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-GEO5 | | |
| **Lab Sample ID:** | M64162-21 | **Date Sampled:** | 04/16/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | G69298.D | 1 | 04/30/07 | KT | n/a | n/a | MSG2785 |
| Run #2 | | | | | | | |

| | Purge Volume |
|---|---|
| Run #1 | 5.0 ml |
| Run #2 | |

**VOA MCP List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | 5.0 | 2.8 | ug/l | |
| 71-43-2 | Benzene | ND | 0.50 | 0.23 | ug/l | |
| 108-86-1 | Bromobenzene | ND | 5.0 | 0.23 | ug/l | |
| 74-97-5 | Bromochloromethane | ND | 5.0 | 0.44 | ug/l | |
| 75-27-4 | Bromodichloromethane | ND | 1.0 | 0.26 | ug/l | |
| 75-25-2 | Bromoform | ND | 1.0 | 0.47 | ug/l | |
| 74-83-9 | Bromomethane | ND | 2.0 | 0.61 | ug/l | |
| 78-93-3 | 2-Butanone (MEK) | ND | 5.0 | 1.8 | ug/l | |
| 104-51-8 | n-Butylbenzene | ND | 5.0 | 0.32 | ug/l | |
| 135-98-8 | sec-Butylbenzene | ND | 5.0 | 0.50 | ug/l | |
| 98-06-6 | tert-Butylbenzene | ND | 5.0 | 0.23 | ug/l | |
| 75-15-0 | Carbon disulfide | ND | 5.0 | 0.41 | ug/l | |
| 56-23-5 | Carbon tetrachloride | ND | 1.0 | 0.21 | ug/l | |
| 108-90-7 | Chlorobenzene | ND | 1.0 | 0.32 | ug/l | |
| 75-00-3 | Chloroethane | ND | 2.0 | 0.65 | ug/l | |
| 67-66-3 | Chloroform | ND | 1.0 | 0.18 | ug/l | |
| 74-87-3 | Chloromethane | ND | 2.0 | 0.20 | ug/l | |
| 95-49-8 | o-Chlorotoluene | ND | 5.0 | 0.21 | ug/l | |
| 106-43-4 | p-Chlorotoluene | ND | 5.0 | 0.27 | ug/l | |
| 108-20-3 | Di-Isopropyl ether | ND | 2.0 | 0.13 | ug/l | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 5.0 | 0.85 | ug/l | |
| 124-48-1 | Dibromochloromethane | ND | 1.0 | 0.34 | ug/l | |
| 106-93-4 | 1,2-Dibromoethane | ND | 2.0 | 0.40 | ug/l | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 1.0 | 0.29 | ug/l | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 1.0 | 0.18 | ug/l | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 1.0 | 0.20 | ug/l | |
| 75-71-8 | Dichlorodifluoromethane | ND | 2.0 | 0.74 | ug/l | |
| 75-34-3 | 1,1-Dichloroethane | ND | 1.0 | 0.18 | ug/l | |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.0 | 0.20 | ug/l | |
| 75-35-4 | 1,1-Dichloroethene | ND | 1.0 | 0.35 | ug/l | |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 1.0 | 0.36 | ug/l | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1.0 | 0.40 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-GEO5 | | |
| **Lab Sample ID:** | M64162-21 | **Date Sampled:** | 04/16/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

**VOA MCP List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 78-87-5 | 1,2-Dichloropropane | ND | 2.0 | 0.28 | ug/l | |
| 142-28-9 | 1,3-Dichloropropane | ND | 5.0 | 0.27 | ug/l | |
| 594-20-7 | 2,2-Dichloropropane | ND | 5.0 | 0.28 | ug/l | |
| 563-58-6 | 1,1-Dichloropropene | ND | 5.0 | 0.21 | ug/l | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.50 | 0.30 | ug/l | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.50 | 0.31 | ug/l | |
| 123-91-1 | 1,4-Dioxane | ND | 25 | 13 | ug/l | |
| 60-29-7 | Ethyl Ether | ND | 5.0 | 1.9 | ug/l | |
| 100-41-4 | Ethylbenzene | ND | 1.0 | 0.21 | ug/l | |
| 87-68-3 | Hexachlorobutadiene | ND | 5.0 | 0.42 | ug/l | |
| 591-78-6 | 2-Hexanone | ND | 5.0 | 0.76 | ug/l | |
| 98-82-8 | Isopropylbenzene | ND | 5.0 | 0.17 | ug/l | |
| 99-87-6 | p-Isopropyltoluene | ND | 5.0 | 0.27 | ug/l | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 1.0 | 0.14 | ug/l | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 5.0 | 0.50 | ug/l | |
| 74-95-3 | Methylene bromide | ND | 5.0 | 0.27 | ug/l | |
| 75-09-2 | Methylene chloride | ND | 2.0 | 0.27 | ug/l | |
| 91-20-3 | Naphthalene | ND | 5.0 | 0.68 | ug/l | |
| 103-65-1 | n-Propylbenzene | ND | 5.0 | 0.21 | ug/l | |
| 100-42-5 | Styrene | ND | 5.0 | 0.23 | ug/l | |
| 994-05-8 | tert-Amyl Methyl Ether | ND | 2.0 | 0.12 | ug/l | |
| 637-92-3 | tert-Butyl Ethyl Ether | ND | 2.0 | 0.22 | ug/l | |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 5.0 | 0.31 | ug/l | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 1.0 | 0.22 | ug/l | |
| 127-18-4 | Tetrachloroethene | 17.9 | 1.0 | 0.34 | ug/l | |
| 109-99-9 | Tetrahydrofuran | ND | 10 | 1.2 | ug/l | |
| 108-88-3 | Toluene | ND | 1.0 | 0.24 | ug/l | |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 5.0 | 0.43 | ug/l | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.0 | 0.49 | ug/l | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 1.0 | 0.21 | ug/l | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.0 | 0.32 | ug/l | |
| 79-01-6 | Trichloroethene | ND | 1.0 | 0.30 | ug/l | |
| 75-69-4 | Trichlorofluoromethane | ND | 1.0 | 0.31 | ug/l | |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 5.0 | 0.25 | ug/l | |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 5.0 | 0.18 | ug/l | |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 5.0 | 0.15 | ug/l | |
| 75-01-4 | Vinyl chloride | ND | 1.0 | 0.24 | ug/l | |
| | m,p-Xylene | ND | 1.0 | 0.54 | ug/l | |
| 95-47-6 | o-Xylene | ND | 1.0 | 0.37 | ug/l | |
| 1330-20-7 | Xylene (total) | ND | 1.0 | 0.37 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-GEO5 | | |
| **Lab Sample ID:** | M64162-21 | **Date Sampled:** | 04/16/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

**VOA MCP List**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 100% | | 84-129% |
| 2037-26-5 | Toluene-D8 | 100% | | 80-120% |
| 460-00-4 | 4-Bromofluorobenzene | 96% | | 82-118% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-GEO6 | | |
| **Lab Sample ID:** | M64162-22 | **Date Sampled:** | 04/16/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | G69296.D | 2 | 04/30/07 | KT | n/a | n/a | MSG2785 |
| Run #2 | | | | | | | |

| | Purge Volume |
|---|---|
| Run #1 | 5.0 ml |
| Run #2 | |

**VOA MCP List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | 10 | 5.6 | ug/l | |
| 71-43-2 | Benzene | ND | 1.0 | 0.45 | ug/l | |
| 108-86-1 | Bromobenzene | ND | 10 | 0.47 | ug/l | |
| 74-97-5 | Bromochloromethane | ND | 10 | 0.89 | ug/l | |
| 75-27-4 | Bromodichloromethane | ND | 2.0 | 0.53 | ug/l | |
| 75-25-2 | Bromoform | ND | 2.0 | 0.94 | ug/l | |
| 74-83-9 | Bromomethane | ND | 4.0 | 1.2 | ug/l | |
| 78-93-3 | 2-Butanone (MEK) | ND | 10 | 3.6 | ug/l | |
| 104-51-8 | n-Butylbenzene | ND | 10 | 0.64 | ug/l | |
| 135-98-8 | sec-Butylbenzene | ND | 10 | 1.0 | ug/l | |
| 98-06-6 | tert-Butylbenzene | ND | 10 | 0.45 | ug/l | |
| 75-15-0 | Carbon disulfide | ND | 10 | 0.82 | ug/l | |
| 56-23-5 | Carbon tetrachloride | ND | 2.0 | 0.41 | ug/l | |
| 108-90-7 | Chlorobenzene | ND | 2.0 | 0.64 | ug/l | |
| 75-00-3 | Chloroethane | ND | 4.0 | 1.3 | ug/l | |
| 67-66-3 | Chloroform | ND | 2.0 | 0.35 | ug/l | |
| 74-87-3 | Chloromethane | ND | 4.0 | 0.39 | ug/l | |
| 95-49-8 | o-Chlorotoluene | ND | 10 | 0.42 | ug/l | |
| 106-43-4 | p-Chlorotoluene | ND | 10 | 0.53 | ug/l | |
| 108-20-3 | Di-Isopropyl ether | ND | 4.0 | 0.25 | ug/l | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 10 | 1.7 | ug/l | |
| 124-48-1 | Dibromochloromethane | ND | 2.0 | 0.68 | ug/l | |
| 106-93-4 | 1,2-Dibromoethane | ND | 4.0 | 0.80 | ug/l | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 2.0 | 0.58 | ug/l | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 2.0 | 0.36 | ug/l | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 2.0 | 0.40 | ug/l | |
| 75-71-8 | Dichlorodifluoromethane | ND | 4.0 | 1.5 | ug/l | |
| 75-34-3 | 1,1-Dichloroethane | 0.92 | 2.0 | 0.35 | ug/l | J |
| 107-06-2 | 1,2-Dichloroethane | ND | 2.0 | 0.39 | ug/l | |
| 75-35-4 | 1,1-Dichloroethene | 2.8 | 2.0 | 0.71 | ug/l | |
| 156-59-2 | cis-1,2-Dichloroethene | 5.3 | 2.0 | 0.72 | ug/l | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 2.0 | 0.79 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-GEO6 | | |
| **Lab Sample ID:** | M64162-22 | **Date Sampled:** | 04/16/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

**VOA MCP List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 78-87-5 | 1,2-Dichloropropane | ND | 4.0 | 0.56 | ug/l | |
| 142-28-9 | 1,3-Dichloropropane | ND | 10 | 0.54 | ug/l | |
| 594-20-7 | 2,2-Dichloropropane | ND | 10 | 0.57 | ug/l | |
| 563-58-6 | 1,1-Dichloropropene | ND | 10 | 0.42 | ug/l | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 1.0 | 0.59 | ug/l | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 1.0 | 0.62 | ug/l | |
| 123-91-1 | 1,4-Dioxane | ND | 50 | 27 | ug/l | |
| 60-29-7 | Ethyl Ether | ND | 10 | 3.9 | ug/l | |
| 100-41-4 | Ethylbenzene | ND | 2.0 | 0.41 | ug/l | |
| 87-68-3 | Hexachlorobutadiene | ND | 10 | 0.83 | ug/l | |
| 591-78-6 | 2-Hexanone | ND | 10 | 1.5 | ug/l | |
| 98-82-8 | Isopropylbenzene | ND | 10 | 0.35 | ug/l | |
| 99-87-6 | p-Isopropyltoluene | ND | 10 | 0.54 | ug/l | |
| 1634-04-4 | Methyl Tert Butyl Ether | 0.80 | 2.0 | 0.27 | ug/l | J |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 10 | 1.0 | ug/l | |
| 74-95-3 | Methylene bromide | ND | 10 | 0.54 | ug/l | |
| 75-09-2 | Methylene chloride | 2.5 | 4.0 | 0.55 | ug/l | J |
| 91-20-3 | Naphthalene | ND | 10 | 1.4 | ug/l | |
| 103-65-1 | n-Propylbenzene | ND | 10 | 0.42 | ug/l | |
| 100-42-5 | Styrene | ND | 10 | 0.45 | ug/l | |
| 994-05-8 | tert-Amyl Methyl Ether | ND | 4.0 | 0.24 | ug/l | |
| 637-92-3 | tert-Butyl Ethyl Ether | ND | 4.0 | 0.45 | ug/l | |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 10 | 0.62 | ug/l | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 2.0 | 0.45 | ug/l | |
| 127-18-4 | Tetrachloroethene | 618 | 2.0 | 0.68 | ug/l | |
| 109-99-9 | Tetrahydrofuran | ND | 20 | 2.4 | ug/l | |
| 108-88-3 | Toluene | ND | 2.0 | 0.48 | ug/l | |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 10 | 0.86 | ug/l | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 10 | 0.98 | ug/l | |
| 71-55-6 | 1,1,1-Trichloroethane | 21.2 | 2.0 | 0.42 | ug/l | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 2.0 | 0.65 | ug/l | |
| 79-01-6 | Trichloroethene | 55.5 | 2.0 | 0.59 | ug/l | |
| 75-69-4 | Trichlorofluoromethane | ND | 2.0 | 0.61 | ug/l | |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 10 | 0.50 | ug/l | |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 10 | 0.36 | ug/l | |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 10 | 0.30 | ug/l | |
| 75-01-4 | Vinyl chloride | ND | 2.0 | 0.47 | ug/l | |
| | m,p-Xylene | ND | 2.0 | 1.1 | ug/l | |
| 95-47-6 | o-Xylene | ND | 2.0 | 0.74 | ug/l | |
| 1330-20-7 | Xylene (total) | ND | 2.0 | 0.74 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-GEO6 | | |
| **Lab Sample ID:** | M64162-22 | **Date Sampled:** | 04/16/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

**VOA MCP List**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 100% | | 84-129% |
| 2037-26-5 | Toluene-D8 | 99% | | 80-120% |
| 460-00-4 | 4-Bromofluorobenzene | 97% | | 82-118% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-SHMW1 | | |
| **Lab Sample ID:** | M64162-23 | **Date Sampled:** | 04/12/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | P17206.D | 1 | 04/26/07 | AMY | n/a | n/a | MSP589 |
| Run #2 | P17210.D | 250 | 04/26/07 | AMY | n/a | n/a | MSP589 |

| | Purge Volume |
|---|---|
| Run #1 | 5.0 ml |
| Run #2 | 5.0 ml |

**VOA MCP List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | 5.0 | 2.8 | ug/l | |
| 71-43-2 | Benzene | 0.33 | 0.50 | 0.23 | ug/l | J |
| 108-86-1 | Bromobenzene | ND | 5.0 | 0.23 | ug/l | |
| 74-97-5 | Bromochloromethane | ND | 5.0 | 0.44 | ug/l | |
| 75-27-4 | Bromodichloromethane | ND | 1.0 | 0.26 | ug/l | |
| 75-25-2 | Bromoform | ND | 1.0 | 0.47 | ug/l | |
| 74-83-9 | Bromomethane | ND | 2.0 | 0.61 | ug/l | |
| 78-93-3 | 2-Butanone (MEK) | ND | 5.0 | 1.8 | ug/l | |
| 104-51-8 | n-Butylbenzene | ND | 5.0 | 0.32 | ug/l | |
| 135-98-8 | sec-Butylbenzene | ND | 5.0 | 0.50 | ug/l | |
| 98-06-6 | tert-Butylbenzene | ND | 5.0 | 0.23 | ug/l | |
| 75-15-0 | Carbon disulfide | ND | 5.0 | 0.41 | ug/l | |
| 56-23-5 | Carbon tetrachloride | ND | 1.0 | 0.21 | ug/l | |
| 108-90-7 | Chlorobenzene | ND | 1.0 | 0.32 | ug/l | |
| 75-00-3 | Chloroethane | ND | 2.0 | 0.65 | ug/l | |
| 67-66-3 | Chloroform | 3.4 | 1.0 | 0.18 | ug/l | |
| 74-87-3 | Chloromethane | ND | 2.0 | 0.20 | ug/l | |
| 95-49-8 | o-Chlorotoluene | ND | 5.0 | 0.21 | ug/l | |
| 106-43-4 | p-Chlorotoluene | ND | 5.0 | 0.27 | ug/l | |
| 108-20-3 | Di-Isopropyl ether | ND | 2.0 | 0.13 | ug/l | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 5.0 | 0.85 | ug/l | |
| 124-48-1 | Dibromochloromethane | ND | 1.0 | 0.34 | ug/l | |
| 106-93-4 | 1,2-Dibromoethane | ND | 2.0 | 0.40 | ug/l | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 1.0 | 0.29 | ug/l | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 1.0 | 0.18 | ug/l | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 1.0 | 0.20 | ug/l | |
| 75-71-8 | Dichlorodifluoromethane | ND | 2.0 | 0.74 | ug/l | |
| 75-34-3 | 1,1-Dichloroethane | 12.7 | 1.0 | 0.18 | ug/l | |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.0 | 0.20 | ug/l | |
| 75-35-4 | 1,1-Dichloroethene | 24.4 | 1.0 | 0.35 | ug/l | |
| 156-59-2 | cis-1,2-Dichloroethene | 2.7 | 1.0 | 0.36 | ug/l | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1.0 | 0.40 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-SHMW1 | | |
| **Lab Sample ID:** | M64162-23 | **Date Sampled:** | 04/12/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

**VOA MCP List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 78-87-5 | 1,2-Dichloropropane | ND | 2.0 | 0.28 | ug/l | |
| 142-28-9 | 1,3-Dichloropropane | ND | 5.0 | 0.27 | ug/l | |
| 594-20-7 | 2,2-Dichloropropane | ND | 5.0 | 0.28 | ug/l | |
| 563-58-6 | 1,1-Dichloropropene | ND | 5.0 | 0.21 | ug/l | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.50 | 0.30 | ug/l | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.50 | 0.31 | ug/l | |
| 123-91-1 | 1,4-Dioxane | ND | 25 | 13 | ug/l | |
| 60-29-7 | Ethyl Ether | ND | 5.0 | 1.9 | ug/l | |
| 100-41-4 | Ethylbenzene | ND | 1.0 | 0.21 | ug/l | |
| 87-68-3 | Hexachlorobutadiene | ND | 5.0 | 0.42 | ug/l | |
| 591-78-6 | 2-Hexanone | ND | 5.0 | 0.76 | ug/l | |
| 98-82-8 | Isopropylbenzene | ND | 5.0 | 0.17 | ug/l | |
| 99-87-6 | p-Isopropyltoluene | ND | 5.0 | 0.27 | ug/l | |
| 1634-04-4 | Methyl Tert Butyl Ether | 0.74 | 1.0 | 0.14 | ug/l | J |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 5.0 | 0.50 | ug/l | |
| 74-95-3 | Methylene bromide | ND | 5.0 | 0.27 | ug/l | |
| 75-09-2 | Methylene chloride | ND | 2.0 | 0.27 | ug/l | |
| 91-20-3 | Naphthalene | ND | 5.0 | 0.68 | ug/l | |
| 103-65-1 | n-Propylbenzene | ND | 5.0 | 0.21 | ug/l | |
| 100-42-5 | Styrene | ND | 5.0 | 0.23 | ug/l | |
| 994-05-8 | tert-Amyl Methyl Ether | ND | 2.0 | 0.12 | ug/l | |
| 637-92-3 | tert-Butyl Ethyl Ether | ND | 2.0 | 0.22 | ug/l | |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 5.0 | 0.31 | ug/l | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 1.0 | 0.22 | ug/l | |
| 127-18-4 | Tetrachloroethene | 48900 [a] | 250 | 85 | ug/l | |
| 109-99-9 | Tetrahydrofuran | ND | 10 | 1.2 | ug/l | |
| 108-88-3 | Toluene | 0.36 | 1.0 | 0.24 | ug/l | J |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 5.0 | 0.43 | ug/l | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.0 | 0.49 | ug/l | |
| 71-55-6 | 1,1,1-Trichloroethane | 27.9 | 1.0 | 0.21 | ug/l | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.0 | 0.32 | ug/l | |
| 79-01-6 | Trichloroethene | 159 | 1.0 | 0.30 | ug/l | |
| 75-69-4 | Trichlorofluoromethane | ND | 1.0 | 0.31 | ug/l | |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 5.0 | 0.25 | ug/l | |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 5.0 | 0.18 | ug/l | |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 5.0 | 0.15 | ug/l | |
| 75-01-4 | Vinyl chloride | 0.55 | 1.0 | 0.24 | ug/l | J |
| | m,p-Xylene | ND | 1.0 | 0.54 | ug/l | |
| 95-47-6 | o-Xylene | ND | 1.0 | 0.37 | ug/l | |
| 1330-20-7 | Xylene (total) | ND | 1.0 | 0.37 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-SHMW1 | | |
| **Lab Sample ID:** | M64162-23 | **Date Sampled:** | 04/12/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

**VOA MCP List**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 114% | 110% | 84-129% |
| 2037-26-5 | Toluene-D8 | 104% | 101% | 80-120% |
| 460-00-4 | 4-Bromofluorobenzene | 96% | 99% | 82-118% |

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-SHMW2 | | |
| **Lab Sample ID:** | M64162-24 | **Date Sampled:** | 04/16/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | G69297.D | 2 | 04/30/07 | KT | n/a | n/a | MSG2785 |
| Run #2 | | | | | | | |

| | Purge Volume |
|---|---|
| Run #1 | 5.0 ml |
| Run #2 | |

**VOA MCP List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | 10 | 5.6 | ug/l | |
| 71-43-2 | Benzene | ND | 1.0 | 0.45 | ug/l | |
| 108-86-1 | Bromobenzene | ND | 10 | 0.47 | ug/l | |
| 74-97-5 | Bromochloromethane | ND | 10 | 0.89 | ug/l | |
| 75-27-4 | Bromodichloromethane | ND | 2.0 | 0.53 | ug/l | |
| 75-25-2 | Bromoform | ND | 2.0 | 0.94 | ug/l | |
| 74-83-9 | Bromomethane | ND | 4.0 | 1.2 | ug/l | |
| 78-93-3 | 2-Butanone (MEK) | ND | 10 | 3.6 | ug/l | |
| 104-51-8 | n-Butylbenzene | ND | 10 | 0.64 | ug/l | |
| 135-98-8 | sec-Butylbenzene | ND | 10 | 1.0 | ug/l | |
| 98-06-6 | tert-Butylbenzene | ND | 10 | 0.45 | ug/l | |
| 75-15-0 | Carbon disulfide | ND | 10 | 0.82 | ug/l | |
| 56-23-5 | Carbon tetrachloride | ND | 2.0 | 0.41 | ug/l | |
| 108-90-7 | Chlorobenzene | ND | 2.0 | 0.64 | ug/l | |
| 75-00-3 | Chloroethane | ND | 4.0 | 1.3 | ug/l | |
| 67-66-3 | Chloroform | ND | 2.0 | 0.35 | ug/l | |
| 74-87-3 | Chloromethane | ND | 4.0 | 0.39 | ug/l | |
| 95-49-8 | o-Chlorotoluene | ND | 10 | 0.42 | ug/l | |
| 106-43-4 | p-Chlorotoluene | ND | 10 | 0.53 | ug/l | |
| 108-20-3 | Di-Isopropyl ether | ND | 4.0 | 0.25 | ug/l | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 10 | 1.7 | ug/l | |
| 124-48-1 | Dibromochloromethane | ND | 2.0 | 0.68 | ug/l | |
| 106-93-4 | 1,2-Dibromoethane | ND | 4.0 | 0.80 | ug/l | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 2.0 | 0.58 | ug/l | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 2.0 | 0.36 | ug/l | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 2.0 | 0.40 | ug/l | |
| 75-71-8 | Dichlorodifluoromethane | ND | 4.0 | 1.5 | ug/l | |
| 75-34-3 | 1,1-Dichloroethane | ND | 2.0 | 0.35 | ug/l | |
| 107-06-2 | 1,2-Dichloroethane | ND | 2.0 | 0.39 | ug/l | |
| 75-35-4 | 1,1-Dichloroethene | 2.1 | 2.0 | 0.71 | ug/l | |
| 156-59-2 | cis-1,2-Dichloroethene | 1.4 | 2.0 | 0.72 | ug/l | J |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 2.0 | 0.79 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-SHMW2 | | |
| **Lab Sample ID:** | M64162-24 | **Date Sampled:** | 04/16/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

**VOA MCP List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 78-87-5 | 1,2-Dichloropropane | ND | 4.0 | 0.56 | ug/l | |
| 142-28-9 | 1,3-Dichloropropane | ND | 10 | 0.54 | ug/l | |
| 594-20-7 | 2,2-Dichloropropane | ND | 10 | 0.57 | ug/l | |
| 563-58-6 | 1,1-Dichloropropene | ND | 10 | 0.42 | ug/l | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 1.0 | 0.59 | ug/l | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 1.0 | 0.62 | ug/l | |
| 123-91-1 | 1,4-Dioxane | ND | 50 | 27 | ug/l | |
| 60-29-7 | Ethyl Ether | ND | 10 | 3.9 | ug/l | |
| 100-41-4 | Ethylbenzene | ND | 2.0 | 0.41 | ug/l | |
| 87-68-3 | Hexachlorobutadiene | ND | 10 | 0.83 | ug/l | |
| 591-78-6 | 2-Hexanone | ND | 10 | 1.5 | ug/l | |
| 98-82-8 | Isopropylbenzene | ND | 10 | 0.35 | ug/l | |
| 99-87-6 | p-Isopropyltoluene | ND | 10 | 0.54 | ug/l | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 2.0 | 0.27 | ug/l | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 10 | 1.0 | ug/l | |
| 74-95-3 | Methylene bromide | ND | 10 | 0.54 | ug/l | |
| 75-09-2 | Methylene chloride | 2.3 | 4.0 | 0.55 | ug/l | J |
| 91-20-3 | Naphthalene | ND | 10 | 1.4 | ug/l | |
| 103-65-1 | n-Propylbenzene | ND | 10 | 0.42 | ug/l | |
| 100-42-5 | Styrene | ND | 10 | 0.45 | ug/l | |
| 994-05-8 | tert-Amyl Methyl Ether | ND | 4.0 | 0.24 | ug/l | |
| 637-92-3 | tert-Butyl Ethyl Ether | ND | 4.0 | 0.45 | ug/l | |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 10 | 0.62 | ug/l | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 2.0 | 0.45 | ug/l | |
| 127-18-4 | Tetrachloroethene | 726 | 2.0 | 0.68 | ug/l | |
| 109-99-9 | Tetrahydrofuran | ND | 20 | 2.4 | ug/l | |
| 108-88-3 | Toluene | ND | 2.0 | 0.48 | ug/l | |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 10 | 0.86 | ug/l | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 10 | 0.98 | ug/l | |
| 71-55-6 | 1,1,1-Trichloroethane | 44.1 | 2.0 | 0.42 | ug/l | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 2.0 | 0.65 | ug/l | |
| 79-01-6 | Trichloroethene | 26.5 | 2.0 | 0.59 | ug/l | |
| 75-69-4 | Trichlorofluoromethane | ND | 2.0 | 0.61 | ug/l | |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 10 | 0.50 | ug/l | |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 10 | 0.36 | ug/l | |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 10 | 0.30 | ug/l | |
| 75-01-4 | Vinyl chloride | ND | 2.0 | 0.47 | ug/l | |
| | m,p-Xylene | ND | 2.0 | 1.1 | ug/l | |
| 95-47-6 | o-Xylene | ND | 2.0 | 0.74 | ug/l | |
| 1330-20-7 | Xylene (total) | ND | 2.0 | 0.74 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-SHMW2 | | |
| **Lab Sample ID:** | M64162-24 | **Date Sampled:** | 04/16/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

**VOA MCP List**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 102% | | 84-129% |
| 2037-26-5 | Toluene-D8 | 100% | | 80-120% |
| 460-00-4 | 4-Bromofluorobenzene | 96% | | 82-118% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-SHMW3 | | |
| **Lab Sample ID:** | M64162-25 | **Date Sampled:** | 04/12/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | P17207.D | 1 | 04/26/07 | AMY | n/a | n/a | MSP589 |
| Run #2 | P17211.D | 100 | 04/26/07 | AMY | n/a | n/a | MSP589 |

| | Purge Volume |
|---|---|
| Run #1 | 5.0 ml |
| Run #2 | 5.0 ml |

**VOA MCP List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | 5.0 | 2.8 | ug/l | |
| 71-43-2 | Benzene | ND | 0.50 | 0.23 | ug/l | |
| 108-86-1 | Bromobenzene | ND | 5.0 | 0.23 | ug/l | |
| 74-97-5 | Bromochloromethane | ND | 5.0 | 0.44 | ug/l | |
| 75-27-4 | Bromodichloromethane | ND | 1.0 | 0.26 | ug/l | |
| 75-25-2 | Bromoform | ND | 1.0 | 0.47 | ug/l | |
| 74-83-9 | Bromomethane | ND | 2.0 | 0.61 | ug/l | |
| 78-93-3 | 2-Butanone (MEK) | ND | 5.0 | 1.8 | ug/l | |
| 104-51-8 | n-Butylbenzene | ND | 5.0 | 0.32 | ug/l | |
| 135-98-8 | sec-Butylbenzene | ND | 5.0 | 0.50 | ug/l | |
| 98-06-6 | tert-Butylbenzene | ND | 5.0 | 0.23 | ug/l | |
| 75-15-0 | Carbon disulfide | ND | 5.0 | 0.41 | ug/l | |
| 56-23-5 | Carbon tetrachloride | ND | 1.0 | 0.21 | ug/l | |
| 108-90-7 | Chlorobenzene | ND | 1.0 | 0.32 | ug/l | |
| 75-00-3 | Chloroethane | ND | 2.0 | 0.65 | ug/l | |
| 67-66-3 | Chloroform | 1.1 | 1.0 | 0.18 | ug/l | |
| 74-87-3 | Chloromethane | ND | 2.0 | 0.20 | ug/l | |
| 95-49-8 | o-Chlorotoluene | ND | 5.0 | 0.21 | ug/l | |
| 106-43-4 | p-Chlorotoluene | ND | 5.0 | 0.27 | ug/l | |
| 108-20-3 | Di-Isopropyl ether | ND | 2.0 | 0.13 | ug/l | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 5.0 | 0.85 | ug/l | |
| 124-48-1 | Dibromochloromethane | ND | 1.0 | 0.34 | ug/l | |
| 106-93-4 | 1,2-Dibromoethane | ND | 2.0 | 0.40 | ug/l | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 1.0 | 0.29 | ug/l | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 1.0 | 0.18 | ug/l | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 1.0 | 0.20 | ug/l | |
| 75-71-8 | Dichlorodifluoromethane | ND | 2.0 | 0.74 | ug/l | |
| 75-34-3 | 1,1-Dichloroethane | 24.5 | 1.0 | 0.18 | ug/l | |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.0 | 0.20 | ug/l | |
| 75-35-4 | 1,1-Dichloroethene | 91.3 | 1.0 | 0.35 | ug/l | |
| 156-59-2 | cis-1,2-Dichloroethene | 39.8 | 1.0 | 0.36 | ug/l | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1.0 | 0.40 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-SHMW3 | | |
| **Lab Sample ID:** | M64162-25 | **Date Sampled:** | 04/12/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

**VOA MCP List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 78-87-5 | 1,2-Dichloropropane | ND | 2.0 | 0.28 | ug/l | |
| 142-28-9 | 1,3-Dichloropropane | ND | 5.0 | 0.27 | ug/l | |
| 594-20-7 | 2,2-Dichloropropane | ND | 5.0 | 0.28 | ug/l | |
| 563-58-6 | 1,1-Dichloropropene | ND | 5.0 | 0.21 | ug/l | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.50 | 0.30 | ug/l | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.50 | 0.31 | ug/l | |
| 123-91-1 | 1,4-Dioxane | ND | 25 | 13 | ug/l | |
| 60-29-7 | Ethyl Ether | ND | 5.0 | 1.9 | ug/l | |
| 100-41-4 | Ethylbenzene | ND | 1.0 | 0.21 | ug/l | |
| 87-68-3 | Hexachlorobutadiene | ND | 5.0 | 0.42 | ug/l | |
| 591-78-6 | 2-Hexanone | ND | 5.0 | 0.76 | ug/l | |
| 98-82-8 | Isopropylbenzene | ND | 5.0 | 0.17 | ug/l | |
| 99-87-6 | p-Isopropyltoluene | ND | 5.0 | 0.27 | ug/l | |
| 1634-04-4 | Methyl Tert Butyl Ether | 2.4 | 1.0 | 0.14 | ug/l | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 5.0 | 0.50 | ug/l | |
| 74-95-3 | Methylene bromide | ND | 5.0 | 0.27 | ug/l | |
| 75-09-2 | Methylene chloride | ND | 2.0 | 0.27 | ug/l | |
| 91-20-3 | Naphthalene | ND | 5.0 | 0.68 | ug/l | |
| 103-65-1 | n-Propylbenzene | ND | 5.0 | 0.21 | ug/l | |
| 100-42-5 | Styrene | ND | 5.0 | 0.23 | ug/l | |
| 994-05-8 | tert-Amyl Methyl Ether | ND | 2.0 | 0.12 | ug/l | |
| 637-92-3 | tert-Butyl Ethyl Ether | ND | 2.0 | 0.22 | ug/l | |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 5.0 | 0.31 | ug/l | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 1.0 | 0.22 | ug/l | |
| 127-18-4 | Tetrachloroethene | 34000 [a] | 100 | 34 | ug/l | |
| 109-99-9 | Tetrahydrofuran | ND | 10 | 1.2 | ug/l | |
| 108-88-3 | Toluene | ND | 1.0 | 0.24 | ug/l | |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 5.0 | 0.43 | ug/l | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.0 | 0.49 | ug/l | |
| 71-55-6 | 1,1,1-Trichloroethane | 621 | 1.0 | 0.21 | ug/l | E |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.0 | 0.32 | ug/l | |
| 79-01-6 | Trichloroethene | 1030 [a] | 100 | 30 | ug/l | |
| 75-69-4 | Trichlorofluoromethane | ND | 1.0 | 0.31 | ug/l | |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 5.0 | 0.25 | ug/l | |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 5.0 | 0.18 | ug/l | |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 5.0 | 0.15 | ug/l | |
| 75-01-4 | Vinyl chloride | 0.83 | 1.0 | 0.24 | ug/l | J |
| | m,p-Xylene | ND | 1.0 | 0.54 | ug/l | |
| 95-47-6 | o-Xylene | ND | 1.0 | 0.37 | ug/l | |
| 1330-20-7 | Xylene (total) | ND | 1.0 | 0.37 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-SHMW3 | | |
| **Lab Sample ID:** | M64162-25 | **Date Sampled:** | 04/12/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

**VOA MCP List**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 112% | 106% | 84-129% |
| 2037-26-5 | Toluene-D8 | 101% | 105% | 80-120% |
| 460-00-4 | 4-Bromofluorobenzene | 96% | 98% | 82-118% |

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-MW1 | | |
| **Lab Sample ID:** | M64162-26 | **Date Sampled:** | 04/17/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | G69292.D | 500 | 04/30/07 | KT | n/a | n/a | MSG2785 |
| Run #2 | | | | | | | |

| | Purge Volume |
|---|---|
| Run #1 | 5.0 ml |
| Run #2 | |

**VOA MCP List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | 2500 | 1400 | ug/l | |
| 71-43-2 | Benzene | ND | 250 | 110 | ug/l | |
| 108-86-1 | Bromobenzene | ND | 2500 | 120 | ug/l | |
| 74-97-5 | Bromochloromethane | ND | 2500 | 220 | ug/l | |
| 75-27-4 | Bromodichloromethane | ND | 500 | 130 | ug/l | |
| 75-25-2 | Bromoform | ND | 500 | 240 | ug/l | |
| 74-83-9 | Bromomethane | ND | 1000 | 310 | ug/l | |
| 78-93-3 | 2-Butanone (MEK) | ND | 2500 | 900 | ug/l | |
| 104-51-8 | n-Butylbenzene | ND | 2500 | 160 | ug/l | |
| 135-98-8 | sec-Butylbenzene | ND | 2500 | 250 | ug/l | |
| 98-06-6 | tert-Butylbenzene | ND | 2500 | 110 | ug/l | |
| 75-15-0 | Carbon disulfide | ND | 2500 | 200 | ug/l | |
| 56-23-5 | Carbon tetrachloride | ND | 500 | 100 | ug/l | |
| 108-90-7 | Chlorobenzene | ND | 500 | 160 | ug/l | |
| 75-00-3 | Chloroethane | ND | 1000 | 320 | ug/l | |
| 67-66-3 | Chloroform | ND | 500 | 88 | ug/l | |
| 74-87-3 | Chloromethane | ND | 1000 | 98 | ug/l | |
| 95-49-8 | o-Chlorotoluene | ND | 2500 | 100 | ug/l | |
| 106-43-4 | p-Chlorotoluene | ND | 2500 | 130 | ug/l | |
| 108-20-3 | Di-Isopropyl ether | ND | 1000 | 63 | ug/l | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 2500 | 430 | ug/l | |
| 124-48-1 | Dibromochloromethane | ND | 500 | 170 | ug/l | |
| 106-93-4 | 1,2-Dibromoethane | ND | 1000 | 200 | ug/l | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 500 | 140 | ug/l | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 500 | 91 | ug/l | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 500 | 100 | ug/l | |
| 75-71-8 | Dichlorodifluoromethane | ND | 1000 | 370 | ug/l | |
| 75-34-3 | 1,1-Dichloroethane | ND | 500 | 88 | ug/l | |
| 107-06-2 | 1,2-Dichloroethane | ND | 500 | 98 | ug/l | |
| 75-35-4 | 1,1-Dichloroethene | 2290 | 500 | 180 | ug/l | |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 500 | 180 | ug/l | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 500 | 200 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-MW1 | | |
| **Lab Sample ID:** | M64162-26 | **Date Sampled:** | 04/17/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

**VOA MCP List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 78-87-5 | 1,2-Dichloropropane | ND | 1000 | 140 | ug/l | |
| 142-28-9 | 1,3-Dichloropropane | ND | 2500 | 140 | ug/l | |
| 594-20-7 | 2,2-Dichloropropane | ND | 2500 | 140 | ug/l | |
| 563-58-6 | 1,1-Dichloropropene | ND | 2500 | 100 | ug/l | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 250 | 150 | ug/l | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 250 | 160 | ug/l | |
| 123-91-1 | 1,4-Dioxane | ND | 13000 | 6700 | ug/l | |
| 60-29-7 | Ethyl Ether | ND | 2500 | 970 | ug/l | |
| 100-41-4 | Ethylbenzene | ND | 500 | 100 | ug/l | |
| 87-68-3 | Hexachlorobutadiene | ND | 2500 | 210 | ug/l | |
| 591-78-6 | 2-Hexanone | ND | 2500 | 380 | ug/l | |
| 98-82-8 | Isopropylbenzene | ND | 2500 | 87 | ug/l | |
| 99-87-6 | p-Isopropyltoluene | ND | 2500 | 140 | ug/l | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 500 | 69 | ug/l | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 2500 | 250 | ug/l | |
| 74-95-3 | Methylene bromide | ND | 2500 | 130 | ug/l | |
| 75-09-2 | Methylene chloride | ND | 1000 | 140 | ug/l | |
| 91-20-3 | Naphthalene | ND | 2500 | 340 | ug/l | |
| 103-65-1 | n-Propylbenzene | ND | 2500 | 110 | ug/l | |
| 100-42-5 | Styrene | ND | 2500 | 110 | ug/l | |
| 994-05-8 | tert-Amyl Methyl Ether | ND | 1000 | 61 | ug/l | |
| 637-92-3 | tert-Butyl Ethyl Ether | ND | 1000 | 110 | ug/l | |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 2500 | 150 | ug/l | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 500 | 110 | ug/l | |
| 127-18-4 | Tetrachloroethene | 49600 | 500 | 170 | ug/l | |
| 109-99-9 | Tetrahydrofuran | ND | 5000 | 600 | ug/l | |
| 108-88-3 | Toluene | ND | 500 | 120 | ug/l | |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 2500 | 220 | ug/l | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 2500 | 240 | ug/l | |
| 71-55-6 | 1,1,1-Trichloroethane | 151000 | 500 | 110 | ug/l | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 500 | 160 | ug/l | |
| 79-01-6 | Trichloroethene | 103000 | 500 | 150 | ug/l | |
| 75-69-4 | Trichlorofluoromethane | ND | 500 | 150 | ug/l | |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 2500 | 130 | ug/l | |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 2500 | 89 | ug/l | |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 2500 | 75 | ug/l | |
| 75-01-4 | Vinyl chloride | ND | 500 | 120 | ug/l | |
| | m,p-Xylene | ND | 500 | 270 | ug/l | |
| 95-47-6 | o-Xylene | ND | 500 | 190 | ug/l | |
| 1330-20-7 | Xylene (total) | ND | 500 | 190 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-MW1 | | |
| **Lab Sample ID:** | M64162-26 | **Date Sampled:** | 04/17/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

**VOA MCP List**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 99% | | 84-129% |
| 2037-26-5 | Toluene-D8 | 99% | | 80-120% |
| 460-00-4 | 4-Bromofluorobenzene | 98% | | 82-118% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-MW3 | | |
| **Lab Sample ID:** | M64162-27 | **Date Sampled:** | 04/17/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | G69294.D | 25 | 04/30/07 | KT | n/a | n/a | MSG2785 |
| Run #2 | | | | | | | |

| | Purge Volume |
|---|---|
| Run #1 | 5.0 ml |
| Run #2 | |

**VOA MCP List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | 130 | 71 | ug/l | |
| 71-43-2 | Benzene | ND | 13 | 5.7 | ug/l | |
| 108-86-1 | Bromobenzene | ND | 130 | 5.8 | ug/l | |
| 74-97-5 | Bromochloromethane | ND | 130 | 11 | ug/l | |
| 75-27-4 | Bromodichloromethane | ND | 25 | 6.6 | ug/l | |
| 75-25-2 | Bromoform | ND | 25 | 12 | ug/l | |
| 74-83-9 | Bromomethane | ND | 50 | 15 | ug/l | |
| 78-93-3 | 2-Butanone (MEK) | ND | 130 | 45 | ug/l | |
| 104-51-8 | n-Butylbenzene | ND | 130 | 8.0 | ug/l | |
| 135-98-8 | sec-Butylbenzene | ND | 130 | 13 | ug/l | |
| 98-06-6 | tert-Butylbenzene | ND | 130 | 5.6 | ug/l | |
| 75-15-0 | Carbon disulfide | ND | 130 | 10 | ug/l | |
| 56-23-5 | Carbon tetrachloride | ND | 25 | 5.1 | ug/l | |
| 108-90-7 | Chlorobenzene | ND | 25 | 8.1 | ug/l | |
| 75-00-3 | Chloroethane | ND | 50 | 16 | ug/l | |
| 67-66-3 | Chloroform | ND | 25 | 4.4 | ug/l | |
| 74-87-3 | Chloromethane | ND | 50 | 4.9 | ug/l | |
| 95-49-8 | o-Chlorotoluene | ND | 130 | 5.2 | ug/l | |
| 106-43-4 | p-Chlorotoluene | ND | 130 | 6.6 | ug/l | |
| 108-20-3 | Di-Isopropyl ether | ND | 50 | 3.1 | ug/l | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 130 | 21 | ug/l | |
| 124-48-1 | Dibromochloromethane | ND | 25 | 8.5 | ug/l | |
| 106-93-4 | 1,2-Dibromoethane | ND | 50 | 10 | ug/l | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 25 | 7.2 | ug/l | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 25 | 4.5 | ug/l | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 25 | 5.0 | ug/l | |
| 75-71-8 | Dichlorodifluoromethane | ND | 50 | 18 | ug/l | |
| 75-34-3 | 1,1-Dichloroethane | ND | 25 | 4.4 | ug/l | |
| 107-06-2 | 1,2-Dichloroethane | ND | 25 | 4.9 | ug/l | |
| 75-35-4 | 1,1-Dichloroethene | ND | 25 | 8.9 | ug/l | |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 25 | 9.0 | ug/l | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 25 | 9.9 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-MW3 | | |
| **Lab Sample ID:** | M64162-27 | **Date Sampled:** | 04/17/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

**VOA MCP List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 78-87-5 | 1,2-Dichloropropane | ND | 50 | 7.0 | ug/l | |
| 142-28-9 | 1,3-Dichloropropane | ND | 130 | 6.8 | ug/l | |
| 594-20-7 | 2,2-Dichloropropane | ND | 130 | 7.1 | ug/l | |
| 563-58-6 | 1,1-Dichloropropene | ND | 130 | 5.2 | ug/l | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 13 | 7.4 | ug/l | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 13 | 7.8 | ug/l | |
| 123-91-1 | 1,4-Dioxane | ND | 630 | 330 | ug/l | |
| 60-29-7 | Ethyl Ether | ND | 130 | 48 | ug/l | |
| 100-41-4 | Ethylbenzene | ND | 25 | 5.2 | ug/l | |
| 87-68-3 | Hexachlorobutadiene | ND | 130 | 10 | ug/l | |
| 591-78-6 | 2-Hexanone | ND | 130 | 19 | ug/l | |
| 98-82-8 | Isopropylbenzene | ND | 130 | 4.3 | ug/l | |
| 99-87-6 | p-Isopropyltoluene | ND | 130 | 6.8 | ug/l | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 25 | 3.4 | ug/l | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 130 | 13 | ug/l | |
| 74-95-3 | Methylene bromide | ND | 130 | 6.7 | ug/l | |
| 75-09-2 | Methylene chloride | 71.5 | 50 | 6.9 | ug/l | |
| 91-20-3 | Naphthalene | ND | 130 | 17 | ug/l | |
| 103-65-1 | n-Propylbenzene | ND | 130 | 5.3 | ug/l | |
| 100-42-5 | Styrene | ND | 130 | 5.6 | ug/l | |
| 994-05-8 | tert-Amyl Methyl Ether | ND | 50 | 3.0 | ug/l | |
| 637-92-3 | tert-Butyl Ethyl Ether | ND | 50 | 5.6 | ug/l | |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 130 | 7.7 | ug/l | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 25 | 5.6 | ug/l | |
| 127-18-4 | Tetrachloroethene | 6550 | 25 | 8.5 | ug/l | |
| 109-99-9 | Tetrahydrofuran | ND | 250 | 30 | ug/l | |
| 108-88-3 | Toluene | ND | 25 | 6.0 | ug/l | |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 130 | 11 | ug/l | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 130 | 12 | ug/l | |
| 71-55-6 | 1,1,1-Trichloroethane | 11.1 | 25 | 5.3 | ug/l | J |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 25 | 8.1 | ug/l | |
| 79-01-6 | Trichloroethene | 13.8 | 25 | 7.4 | ug/l | J |
| 75-69-4 | Trichlorofluoromethane | ND | 25 | 7.7 | ug/l | |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 130 | 6.3 | ug/l | |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 130 | 4.5 | ug/l | |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 130 | 3.7 | ug/l | |
| 75-01-4 | Vinyl chloride | ND | 25 | 5.9 | ug/l | |
| | m,p-Xylene | ND | 25 | 14 | ug/l | |
| 95-47-6 | o-Xylene | ND | 25 | 9.3 | ug/l | |
| 1330-20-7 | Xylene (total) | ND | 25 | 9.3 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-MW3 | | |
| **Lab Sample ID:** | M64162-27 | **Date Sampled:** | 04/17/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

**VOA MCP List**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 101% | | 84-129% |
| 2037-26-5 | Toluene-D8 | 101% | | 80-120% |
| 460-00-4 | 4-Bromofluorobenzene | 98% | | 82-118% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-MW900 | | |
| **Lab Sample ID:** | M64162-28 | **Date Sampled:** | 04/13/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | N18920.D | 1 | 04/27/07 | AT | n/a | n/a | MSN684 |
| Run #2 | P17222.D | 1 | 04/26/07 | AMY | n/a | n/a | MSP589 |

| | Purge Volume |
|---|---|
| Run #1 | 5.0 ml |
| Run #2 | 5.0 ml |

**VOA MCP List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | 5.0 | 2.8 | ug/l | |
| 71-43-2 | Benzene | ND | 0.50 | 0.23 | ug/l | |
| 108-86-1 | Bromobenzene | ND | 5.0 | 0.23 | ug/l | |
| 74-97-5 | Bromochloromethane | ND | 5.0 | 0.44 | ug/l | |
| 75-27-4 | Bromodichloromethane | ND | 1.0 | 0.26 | ug/l | |
| 75-25-2 | Bromoform | ND | 1.0 | 0.47 | ug/l | |
| 74-83-9 | Bromomethane | ND | 2.0 | 0.61 | ug/l | |
| 78-93-3 | 2-Butanone (MEK) | ND | 5.0 | 1.8 | ug/l | |
| 104-51-8 | n-Butylbenzene | ND | 5.0 | 0.32 | ug/l | |
| 135-98-8 | sec-Butylbenzene | ND | 5.0 | 0.50 | ug/l | |
| 98-06-6 | tert-Butylbenzene | ND | 5.0 | 0.23 | ug/l | |
| 75-15-0 | Carbon disulfide | ND | 5.0 | 0.41 | ug/l | |
| 56-23-5 | Carbon tetrachloride | ND | 1.0 | 0.21 | ug/l | |
| 108-90-7 | Chlorobenzene | ND | 1.0 | 0.32 | ug/l | |
| 75-00-3 | Chloroethane | ND | 2.0 | 0.65 | ug/l | |
| 67-66-3 | Chloroform | 1.8 | 1.0 | 0.18 | ug/l | |
| 74-87-3 | Chloromethane | ND | 2.0 | 0.20 | ug/l | |
| 95-49-8 | o-Chlorotoluene | ND | 5.0 | 0.21 | ug/l | |
| 106-43-4 | p-Chlorotoluene | ND | 5.0 | 0.27 | ug/l | |
| 108-20-3 | Di-Isopropyl ether | ND | 2.0 | 0.13 | ug/l | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 5.0 | 0.85 | ug/l | |
| 124-48-1 | Dibromochloromethane | ND | 1.0 | 0.34 | ug/l | |
| 106-93-4 | 1,2-Dibromoethane | ND | 2.0 | 0.40 | ug/l | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 1.0 | 0.29 | ug/l | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 1.0 | 0.18 | ug/l | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 1.0 | 0.20 | ug/l | |
| 75-71-8 | Dichlorodifluoromethane | ND | 2.0 | 0.74 | ug/l | |
| 75-34-3 | 1,1-Dichloroethane | 1.6 | 1.0 | 0.18 | ug/l | |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.0 | 0.20 | ug/l | |
| 75-35-4 | 1,1-Dichloroethene | 4.6 | 1.0 | 0.35 | ug/l | |
| 156-59-2 | cis-1,2-Dichloroethene | 2.1 | 1.0 | 0.36 | ug/l | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1.0 | 0.40 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-MW900 | | |
| **Lab Sample ID:** | M64162-28 | **Date Sampled:** | 04/13/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

**VOA MCP List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 78-87-5 | 1,2-Dichloropropane | ND | 2.0 | 0.28 | ug/l | |
| 142-28-9 | 1,3-Dichloropropane | ND | 5.0 | 0.27 | ug/l | |
| 594-20-7 | 2,2-Dichloropropane | ND | 5.0 | 0.28 | ug/l | |
| 563-58-6 | 1,1-Dichloropropene | ND | 5.0 | 0.21 | ug/l | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.50 | 0.30 | ug/l | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.50 | 0.31 | ug/l | |
| 123-91-1 | 1,4-Dioxane | ND | 25 | 13 | ug/l | |
| 60-29-7 | Ethyl Ether | ND | 5.0 | 1.9 | ug/l | |
| 100-41-4 | Ethylbenzene | ND | 1.0 | 0.21 | ug/l | |
| 87-68-3 | Hexachlorobutadiene | ND | 5.0 | 0.42 | ug/l | |
| 591-78-6 | 2-Hexanone | ND | 5.0 | 0.76 | ug/l | |
| 98-82-8 | Isopropylbenzene | ND | 5.0 | 0.17 | ug/l | |
| 99-87-6 | p-Isopropyltoluene | ND | 5.0 | 0.27 | ug/l | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 1.0 | 0.14 | ug/l | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 5.0 | 0.50 | ug/l | |
| 74-95-3 | Methylene bromide | ND | 5.0 | 0.27 | ug/l | |
| 75-09-2 | Methylene chloride | ND | 2.0 | 0.27 | ug/l | |
| 91-20-3 | Naphthalene | ND | 5.0 | 0.68 | ug/l | |
| 103-65-1 | n-Propylbenzene | ND | 5.0 | 0.21 | ug/l | |
| 100-42-5 | Styrene | ND | 5.0 | 0.23 | ug/l | |
| 994-05-8 | tert-Amyl Methyl Ether | ND | 2.0 | 0.12 | ug/l | |
| 637-92-3 | tert-Butyl Ethyl Ether | ND | 2.0 | 0.22 | ug/l | |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 5.0 | 0.31 | ug/l | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 1.0 | 0.22 | ug/l | |
| 127-18-4 | Tetrachloroethene | 90.7 | 1.0 | 0.34 | ug/l | |
| 109-99-9 | Tetrahydrofuran | ND | 10 | 1.2 | ug/l | |
| 108-88-3 | Toluene | ND | 1.0 | 0.24 | ug/l | |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 5.0 | 0.43 | ug/l | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.0 | 0.49 | ug/l | |
| 71-55-6 | 1,1,1-Trichloroethane | 43.0 [a] | 1.0 | 0.21 | ug/l | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.0 | 0.32 | ug/l | |
| 79-01-6 | Trichloroethene | 45.7 | 1.0 | 0.30 | ug/l | |
| 75-69-4 | Trichlorofluoromethane | ND | 1.0 | 0.31 | ug/l | |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 5.0 | 0.25 | ug/l | |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 5.0 | 0.18 | ug/l | |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 5.0 | 0.15 | ug/l | |
| 75-01-4 | Vinyl chloride | ND | 1.0 | 0.24 | ug/l | |
| | m,p-Xylene | ND | 1.0 | 0.54 | ug/l | |
| 95-47-6 | o-Xylene | ND | 1.0 | 0.37 | ug/l | |
| 1330-20-7 | Xylene (total) | ND | 1.0 | 0.37 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-MW900 | | |
| **Lab Sample ID:** | M64162-28 | **Date Sampled:** | 04/13/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

**VOA MCP List**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 121% | 114% | 84-129% |
| 2037-26-5 | Toluene-D8 | 103% | 104% | 80-120% |
| 460-00-4 | 4-Bromofluorobenzene | 102% | 102% | 82-118% |

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-MW901 | | |
| **Lab Sample ID:** | M64162-29 | **Date Sampled:** | 04/16/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | G69299.D | 1 | 04/30/07 | KT | n/a | n/a | MSG2785 |
| Run #2 | G69301.D | 10 | 04/30/07 | KT | n/a | n/a | MSG2785 |

| | Purge Volume |
|---|---|
| Run #1 | 5.0 ml |
| Run #2 | 5.0 ml |

**VOA MCP List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | 5.0 | 2.8 | ug/l | |
| 71-43-2 | Benzene | ND | 0.50 | 0.23 | ug/l | |
| 108-86-1 | Bromobenzene | ND | 5.0 | 0.23 | ug/l | |
| 74-97-5 | Bromochloromethane | ND | 5.0 | 0.44 | ug/l | |
| 75-27-4 | Bromodichloromethane | ND | 1.0 | 0.26 | ug/l | |
| 75-25-2 | Bromoform | ND | 1.0 | 0.47 | ug/l | |
| 74-83-9 | Bromomethane | ND | 2.0 | 0.61 | ug/l | |
| 78-93-3 | 2-Butanone (MEK) | ND | 5.0 | 1.8 | ug/l | |
| 104-51-8 | n-Butylbenzene | ND | 5.0 | 0.32 | ug/l | |
| 135-98-8 | sec-Butylbenzene | ND | 5.0 | 0.50 | ug/l | |
| 98-06-6 | tert-Butylbenzene | ND | 5.0 | 0.23 | ug/l | |
| 75-15-0 | Carbon disulfide | ND | 5.0 | 0.41 | ug/l | |
| 56-23-5 | Carbon tetrachloride | ND | 1.0 | 0.21 | ug/l | |
| 108-90-7 | Chlorobenzene | ND | 1.0 | 0.32 | ug/l | |
| 75-00-3 | Chloroethane | ND | 2.0 | 0.65 | ug/l | |
| 67-66-3 | Chloroform | ND | 1.0 | 0.18 | ug/l | |
| 74-87-3 | Chloromethane | ND | 2.0 | 0.20 | ug/l | |
| 95-49-8 | o-Chlorotoluene | ND | 5.0 | 0.21 | ug/l | |
| 106-43-4 | p-Chlorotoluene | ND | 5.0 | 0.27 | ug/l | |
| 108-20-3 | Di-Isopropyl ether | ND | 2.0 | 0.13 | ug/l | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 5.0 | 0.85 | ug/l | |
| 124-48-1 | Dibromochloromethane | ND | 1.0 | 0.34 | ug/l | |
| 106-93-4 | 1,2-Dibromoethane | ND | 2.0 | 0.40 | ug/l | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 1.0 | 0.29 | ug/l | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 1.0 | 0.18 | ug/l | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 1.0 | 0.20 | ug/l | |
| 75-71-8 | Dichlorodifluoromethane | ND | 2.0 | 0.74 | ug/l | |
| 75-34-3 | 1,1-Dichloroethane | 1.1 | 1.0 | 0.18 | ug/l | |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.0 | 0.20 | ug/l | |
| 75-35-4 | 1,1-Dichloroethene | 3.8 | 1.0 | 0.35 | ug/l | |
| 156-59-2 | cis-1,2-Dichloroethene | 6.3 | 1.0 | 0.36 | ug/l | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1.0 | 0.40 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-MW901 | | |
| **Lab Sample ID:** | M64162-29 | **Date Sampled:** | 04/16/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

**VOA MCP List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 78-87-5 | 1,2-Dichloropropane | ND | 2.0 | 0.28 | ug/l | |
| 142-28-9 | 1,3-Dichloropropane | ND | 5.0 | 0.27 | ug/l | |
| 594-20-7 | 2,2-Dichloropropane | ND | 5.0 | 0.28 | ug/l | |
| 563-58-6 | 1,1-Dichloropropene | ND | 5.0 | 0.21 | ug/l | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.50 | 0.30 | ug/l | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.50 | 0.31 | ug/l | |
| 123-91-1 | 1,4-Dioxane | ND | 25 | 13 | ug/l | |
| 60-29-7 | Ethyl Ether | ND | 5.0 | 1.9 | ug/l | |
| 100-41-4 | Ethylbenzene | ND | 1.0 | 0.21 | ug/l | |
| 87-68-3 | Hexachlorobutadiene | ND | 5.0 | 0.42 | ug/l | |
| 591-78-6 | 2-Hexanone | ND | 5.0 | 0.76 | ug/l | |
| 98-82-8 | Isopropylbenzene | ND | 5.0 | 0.17 | ug/l | |
| 99-87-6 | p-Isopropyltoluene | ND | 5.0 | 0.27 | ug/l | |
| 1634-04-4 | Methyl Tert Butyl Ether | 0.81 | 1.0 | 0.14 | ug/l | J |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 5.0 | 0.50 | ug/l | |
| 74-95-3 | Methylene bromide | ND | 5.0 | 0.27 | ug/l | |
| 75-09-2 | Methylene chloride | ND | 2.0 | 0.27 | ug/l | |
| 91-20-3 | Naphthalene | ND | 5.0 | 0.68 | ug/l | |
| 103-65-1 | n-Propylbenzene | ND | 5.0 | 0.21 | ug/l | |
| 100-42-5 | Styrene | ND | 5.0 | 0.23 | ug/l | |
| 994-05-8 | tert-Amyl Methyl Ether | ND | 2.0 | 0.12 | ug/l | |
| 637-92-3 | tert-Butyl Ethyl Ether | ND | 2.0 | 0.22 | ug/l | |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 5.0 | 0.31 | ug/l | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 1.0 | 0.22 | ug/l | |
| 127-18-4 | Tetrachloroethene | 497 [a] | 10 | 3.4 | ug/l | |
| 109-99-9 | Tetrahydrofuran | ND | 10 | 1.2 | ug/l | |
| 108-88-3 | Toluene | ND | 1.0 | 0.24 | ug/l | |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 5.0 | 0.43 | ug/l | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.0 | 0.49 | ug/l | |
| 71-55-6 | 1,1,1-Trichloroethane | 26.8 | 1.0 | 0.21 | ug/l | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.0 | 0.32 | ug/l | |
| 79-01-6 | Trichloroethene | 70.5 | 1.0 | 0.30 | ug/l | |
| 75-69-4 | Trichlorofluoromethane | ND | 1.0 | 0.31 | ug/l | |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 5.0 | 0.25 | ug/l | |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 5.0 | 0.18 | ug/l | |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 5.0 | 0.15 | ug/l | |
| 75-01-4 | Vinyl chloride | ND | 1.0 | 0.24 | ug/l | |
| | m,p-Xylene | ND | 1.0 | 0.54 | ug/l | |
| 95-47-6 | o-Xylene | ND | 1.0 | 0.37 | ug/l | |
| 1330-20-7 | Xylene (total) | ND | 1.0 | 0.37 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | 045162-MW901 | | |
| **Lab Sample ID:** | M64162-29 | **Date Sampled:** | 04/16/07 |
| **Matrix:** | AQ - Ground Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

**VOA MCP List**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 101% | 101% | 84-129% |
| 2037-26-5 | Toluene-D8 | 97% | 100% | 80-120% |
| 460-00-4 | 4-Bromofluorobenzene | 96% | 96% | 82-118% |

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | TRIP BLANK | | |
| **Lab Sample ID:** | M64162-30 | **Date Sampled:** | 04/13/07 |
| **Matrix:** | AQ - Trip Blank Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | P17202.D | 1 | 04/26/07 | AMY | n/a | n/a | MSP589 |
| Run #2 | | | | | | | |

| | Purge Volume |
|---|---|
| Run #1 | 5.0 ml |
| Run #2 | |

**VOA MCP List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | 6.8 | 5.0 | 2.8 | ug/l | |
| 71-43-2 | Benzene | ND | 0.50 | 0.23 | ug/l | |
| 108-86-1 | Bromobenzene | ND | 5.0 | 0.23 | ug/l | |
| 74-97-5 | Bromochloromethane | ND | 5.0 | 0.44 | ug/l | |
| 75-27-4 | Bromodichloromethane | ND | 1.0 | 0.26 | ug/l | |
| 75-25-2 | Bromoform | ND | 1.0 | 0.47 | ug/l | |
| 74-83-9 | Bromomethane | ND | 2.0 | 0.61 | ug/l | |
| 78-93-3 | 2-Butanone (MEK) | ND | 5.0 | 1.8 | ug/l | |
| 104-51-8 | n-Butylbenzene | ND | 5.0 | 0.32 | ug/l | |
| 135-98-8 | sec-Butylbenzene | ND | 5.0 | 0.50 | ug/l | |
| 98-06-6 | tert-Butylbenzene | ND | 5.0 | 0.23 | ug/l | |
| 75-15-0 | Carbon disulfide | ND | 5.0 | 0.41 | ug/l | |
| 56-23-5 | Carbon tetrachloride | ND | 1.0 | 0.21 | ug/l | |
| 108-90-7 | Chlorobenzene | ND | 1.0 | 0.32 | ug/l | |
| 75-00-3 | Chloroethane | ND | 2.0 | 0.65 | ug/l | |
| 67-66-3 | Chloroform | ND | 1.0 | 0.18 | ug/l | |
| 74-87-3 | Chloromethane | ND | 2.0 | 0.20 | ug/l | |
| 95-49-8 | o-Chlorotoluene | ND | 5.0 | 0.21 | ug/l | |
| 106-43-4 | p-Chlorotoluene | ND | 5.0 | 0.27 | ug/l | |
| 108-20-3 | Di-Isopropyl ether | ND | 2.0 | 0.13 | ug/l | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 5.0 | 0.85 | ug/l | |
| 124-48-1 | Dibromochloromethane | ND | 1.0 | 0.34 | ug/l | |
| 106-93-4 | 1,2-Dibromoethane | ND | 2.0 | 0.40 | ug/l | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 1.0 | 0.29 | ug/l | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 1.0 | 0.18 | ug/l | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 1.0 | 0.20 | ug/l | |
| 75-71-8 | Dichlorodifluoromethane | ND | 2.0 | 0.74 | ug/l | |
| 75-34-3 | 1,1-Dichloroethane | ND | 1.0 | 0.18 | ug/l | |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.0 | 0.20 | ug/l | |
| 75-35-4 | 1,1-Dichloroethene | ND | 1.0 | 0.35 | ug/l | |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 1.0 | 0.36 | ug/l | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1.0 | 0.40 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | TRIP BLANK | | |
| **Lab Sample ID:** | M64162-30 | **Date Sampled:** | 04/13/07 |
| **Matrix:** | AQ - Trip Blank Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

**VOA MCP List**

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 78-87-5 | 1,2-Dichloropropane | ND | 2.0 | 0.28 | ug/l | |
| 142-28-9 | 1,3-Dichloropropane | ND | 5.0 | 0.27 | ug/l | |
| 594-20-7 | 2,2-Dichloropropane | ND | 5.0 | 0.28 | ug/l | |
| 563-58-6 | 1,1-Dichloropropene | ND | 5.0 | 0.21 | ug/l | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.50 | 0.30 | ug/l | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.50 | 0.31 | ug/l | |
| 123-91-1 | 1,4-Dioxane | ND | 25 | 13 | ug/l | |
| 60-29-7 | Ethyl Ether | ND | 5.0 | 1.9 | ug/l | |
| 100-41-4 | Ethylbenzene | ND | 1.0 | 0.21 | ug/l | |
| 87-68-3 | Hexachlorobutadiene | ND | 5.0 | 0.42 | ug/l | |
| 591-78-6 | 2-Hexanone | ND | 5.0 | 0.76 | ug/l | |
| 98-82-8 | Isopropylbenzene | ND | 5.0 | 0.17 | ug/l | |
| 99-87-6 | p-Isopropyltoluene | ND | 5.0 | 0.27 | ug/l | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 1.0 | 0.14 | ug/l | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 5.0 | 0.50 | ug/l | |
| 74-95-3 | Methylene bromide | ND | 5.0 | 0.27 | ug/l | |
| 75-09-2 | Methylene chloride | ND | 2.0 | 0.27 | ug/l | |
| 91-20-3 | Naphthalene | ND | 5.0 | 0.68 | ug/l | |
| 103-65-1 | n-Propylbenzene | ND | 5.0 | 0.21 | ug/l | |
| 100-42-5 | Styrene | ND | 5.0 | 0.23 | ug/l | |
| 994-05-8 | tert-Amyl Methyl Ether | ND | 2.0 | 0.12 | ug/l | |
| 637-92-3 | tert-Butyl Ethyl Ether | ND | 2.0 | 0.22 | ug/l | |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 5.0 | 0.31 | ug/l | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 1.0 | 0.22 | ug/l | |
| 127-18-4 | Tetrachloroethene | ND | 1.0 | 0.34 | ug/l | |
| 109-99-9 | Tetrahydrofuran | ND | 10 | 1.2 | ug/l | |
| 108-88-3 | Toluene | ND | 1.0 | 0.24 | ug/l | |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 5.0 | 0.43 | ug/l | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.0 | 0.49 | ug/l | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 1.0 | 0.21 | ug/l | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.0 | 0.32 | ug/l | |
| 79-01-6 | Trichloroethene | ND | 1.0 | 0.30 | ug/l | |
| 75-69-4 | Trichlorofluoromethane | ND | 1.0 | 0.31 | ug/l | |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 5.0 | 0.25 | ug/l | |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 5.0 | 0.18 | ug/l | |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 5.0 | 0.15 | ug/l | |
| 75-01-4 | Vinyl chloride | ND | 1.0 | 0.24 | ug/l | |
| | m,p-Xylene | ND | 1.0 | 0.54 | ug/l | |
| 95-47-6 | o-Xylene | ND | 1.0 | 0.37 | ug/l | |
| 1330-20-7 | Xylene (total) | ND | 1.0 | 0.37 | ug/l | |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | TRIP BLANK | | |
| **Lab Sample ID:** | M64162-30 | **Date Sampled:** | 04/13/07 |
| **Matrix:** | AQ - Trip Blank Water | **Date Received:** | 04/18/07 |
| **Method:** | SW846 8260B | **Percent Solids:** | n/a |
| **Project:** | Tufts Street Somerville MA | | |

**VOA MCP List**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 105% | | 84-129% |
| 2037-26-5 | Toluene-D8 | 102% | | 80-120% |
| 460-00-4 | 4-Bromofluorobenzene | 96% | | 82-118% |

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Misc. Forms

Custody Documents and Other Forms

# Chain-of-Custody Record

**Laboratory:**

**Laboratory Job #** (Lab use only) M64162

GEI Consultants
400 Unicorn Park Drive
Woburn, MA 01801
PH: 781.721.4000
FX: 781.721.4073

**Project Information**

**Project Name:** Tufts Street
**Project Location:** Somerville, MA
**Project Number:** 045162
**Project Manager:** Mark Ensign
Send Report to: Ray Siegener
Send EDD to: labdata@geiconsultants.com



**Preservative**: HCl | None | HCl | NaOH | $HNO_3$

**Analysis**: VOCs 8260

**Sample Handling**
Samples Field Filtered: YES (NO) NA
Sampled Shipped With Ice: (YES) NO

**MCP PRESUMPTIVE CERTAINTY REQUIRED** – YES (NO)

If Yes, Are MCP Analytical Methods Required? (YES) NO NA
If Yes, Are Drinking Water Samples Submitted? YES (NO) NA
If Yes, Have You Met Minimum Field QC Requirements? (YES) NO NA

| Lab Sample Number | GEI Sample ID | Collection Date | Collection Time | Matrix | No. of Bottles | Sampler(s) Initials | VOCs 8260 | | | | | | | | Sample Specific Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| -1 | 045162-MW101 | 4/13/2007 | 1036 | GW | 2 | TAD | X | | | | | | | | |
| -2 | 045162-MW102 | 4/13/2007 | 1357 | GW | 2 | SLS | X | | | | | | | | |
| -3 | 045162-MW103 | 4/13/2007 | 1546 | GW | 2 | SLS | X | | | | | | | | |
| -4 | 045162-MW104 | 4/13/2007 | 1446 | GW | 2 | TAD | X | | | | | | | | |
| -5 | 045162-MW105 | 4/16/2007 | 1418 | GW | 2 | TAD | X | | | | | | | | |
| -6 | 045162-MW106 | 4/13/2007 | 1100 | GW | 2 | SLS | X | | | | | | | | |
| -7 | 045162-MW107 | 4/13/2007 | 1246 | GW | 2 | SLS | X | | | | | | | | |
| -8 | 045162-MW108 | 4/16/2007 | 1002 | GW | 2 | SLS | X | | | | | | | | |
| -9 | 045162-MW109 | 4/16/2007 | 1242 | GW | 2 | TAD | X | | | | | | | | |
| -10 | 045162-MW110 | 4/17/2007 | 1255 | GW | 2 | TAD | X | | | | | | | | |
| -11 | 045162-MW111 | 4/16/2007 | 1640 | GW | 2 | SLS | X | | | | | | | | |
| -12 | 045162-MW112A | 4/16/2007 | 1424 | GW | 2 | SLS | X | | | | | | | | |

**MCP Level Needed:** GEI requires the most stringent Method 1 MCP standard be met for all analytes whenever possible.

| Relinquished by sampler: (signature) | Date: | Time: | Received by: (signature) |
|---|---|---|---|
| 1. [signature] | 4/17/07 | 1400 | 1. GEI Sample Fridge |
| 2. GEI Sample Fridge | 4/18/07 | 16:30 | 2. [signature] |
| 3. [signature] | 4/18/07 | 16:30 | 3. [signature] |
| 4. [signature] | 4/18/07 | 17:30 | 4. [signature] |

**Turnaround Time (Business days):**
Normal __X__ Other ____
10-Day ____ 7-Day ____
5-Day ____ 3-Day ____

Before submitting rush turnaround samples, you **must** notify the laboratory to confirm that the TAT can be achieved.

**Additional Requirements/Comments/Remarks:**
4E6, 4E7

REC @ 1.9°C

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**M64162: Chain of Custody**
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# Chain-of-Custody Record

**Laboratory:**

**Laboratory Job #** (Lab use only) M64162

GEI Consultants
400 Unicorn Park Drive
Woburn, MA 01801
PH: 781.721.4000
FX: 781.721.4073

**Project Information**

Project Name: Tufts Street
Project Location: Somerville, MA
Project Number: 045162
Project Manager: Mark Ensign
Send Report to: Ray Siegener
Send EDD to: labdata@geiconsultants.com



**Preservative**: HCl, None, HCl, NaOH, $HNO_3$

**Analysis**: VOCs 8260

**Sample Handling**: Samples Field Filtered YES (NO) NA; Sampled Shipped With Ice (YES) NO

**MCP PRESUMPTIVE CERTAINTY REQUIRED** -- YES (NO)

If Yes, Are MCP Analytical Methods Required? (YES) NO NA
If Yes, Are Drinking Water Samples Submitted? YES (NO) NA
If Yes, Have You Met Minimum Field QC Requirements? (YES) NO NA

| Lab Sample Number | GEI Sample ID | Collection Date | Collection Time | Matrix | No. of Bottles | Sampler(s) Initials | VOCs 8260 | Sample Specific Remarks |
|---|---|---|---|---|---|---|---|---|
| -13 | 045162-MW113 | 4/12/2007 | 1655 | GW | 2 | TAD | X | |
| -14 | 045162-MW114 | 4/13/2007 | 1144 | GW | 2 | TAD | X | |
| -15 | 045162-MW115 | 4/13/2007 | 1244 | GW | 2 | TAD | X | |
| -16, 16S, 16D | 045162-MW116 | 4/16/2007 | 1548 | GW | 6 | SLS | X | MS/MSD |
| -17 | 045162-GEO1 | 4/12/2007 | 1340 | GW | 2 | SLS | X | |
| -18 | 045162-GEO2 | 4/12/2007 | 1315 | GW | 2 | TAD | X | |
| -19 | 045162-GEO3 | 4/13/2007 | 935 | GW | 2 | TAD | X | |
| -20 | 045162-GEO4 | 4/16/2007 | 1158 | GW | 2 | TAD | X | |
| -21 | 045162-GEO5 | 4/16/2007 | 1042 | GW | 2 | TAD | X | |
| -22 | 045162-GEO6 | 4/16/2007 | 948 | GW | 2 | TAD | X | |
| -23 | 045162-SHMW1 | 4/12/2007 | 1630 | GW | 2 | SLS | X | |
| -24 | 045162-SHMW2 | 4/16/2007 | 1544 | GW | 2 | TAD | X | |

**MCP Level Needed:** GEI requires the most stringent Method 1 MCP standard be met for all analytes whenever possible.

| Relinquished by sampler: (signature) | Date: | Time: | Received by: (signature) |
|---|---|---|---|
| 1. [signature] | 4/17/07 | 1400 | 1. GEI Sample Fridge |
| 2. GEI Sample Fridge | 4/18/07 | 16:30 | 2. [signature] |
| 3. [signature] | 4/18/07 | 16:30 | 3. [signature] |
| 4. [signature] | 4/18/07 | 17:30 | 4. [signature] |

**Turnaround Time (Business days):**
Normal __X__ Other ____
10-Day ____ 7-Day ____
5-Day ____ 3-Day ____

Before submitting rush turnaround samples, you **must** notify the laboratory to confirm that the TAT can be achieved.

**Additional Requirements/Comments/Remarks:**

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**M64162: Chain of Custody**
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# Chain-of-Custody Record

**Laboratory:**

**Laboratory Job #** (Lab use only) M64162

GEI Consultants
400 Unicorn Park Drive
Woburn, MA 01801
PH: 781.721.4000
FX: 781.721.4073

**Project Information**

**Project Name:** Tufts Street
**Project Location:** Somerville, MA
**Project Number:** 045162
**Project Manager:** Mark Ensign
Send Report to: Ray Siegener
Send EDD to: labdata@geiconsultants.com



**MCP PRESUMPTIVE CERTAINTY REQUIRED** -- YES (NO)

If Yes, Are MCP Analytical Methods Required? (YES) NO NA
If Yes, Are Drinking Water Samples Submitted? YES (NO) NA
If Yes, Have You Met Minimum Field QC Requirements? (YES) NO NA

**Sample Handling**
Samples Field Filtered: YES (NO) NA
Sampled Shipped With Ice: (YES) NO

| Lab Sample Number | GEI Sample ID | Collection Date | Collection Time | Matrix | No. of Bottles | Sampler(s) Initials | VOCs 8260 (Preservative: HCl) | None | HCl | NaOH | $HNO_3$ | | | | Sample Specific Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| -25 | 045162-SHMW3 | 4/12/2007 | 1510 | GW | 2 | TAD | X | | | | | | | | |
| -26 | 045162-MW1 | 4/17/2007 | 1325 | GW | 2 | TAD | X | | | | | | | | |
| -27 | 045162-MW3 | 4/17/2007 | 1340 | GW | 2 | TAD | X | | | | | | | | |
| -28 | 045162-MW900 | 4/13/2007 | 1200 | GW | 2 | TAD | X | | | | | | | | |
| -29 | 045162-MW901 | 4/16/2007 | 1300 | GW | 2 | TAD | X | | | | | | | | |
| -30 | Trip Blank | | | GW | 1 | | X | | | | | | | | |

**MCP Level Needed:** GEI requires the most stringent Method 1 MCP standard be met for all analytes whenever possible.

| Relinquished by sampler: (signature) | Date: | Time: | Received by: (signature) |
|---|---|---|---|
| 1. [signature] | 4-17-07 | 1400 | 1. GEI Sample Fridge |
| 2. GEI Fridge | 4/18/07 | 16:30 | 2. [signature] |
| 3. [signature] | 4/18/07 | 16:30 | 3. [signature] |
| 4. [signature] | 4/18/07 | 17:30 | 4. [signature] |

**Turnaround Time (Business days):**
Normal __X__ Other ____
10-Day ____ 7-Day ____
5-Day ____ 3-Day ____

Before submitting rush turnaround samples, you **must** notify the laboratory to confirm that the TAT can be achieved.

**Additional Requirements/Comments/Remarks:**

rec @ 1.9°C

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# Chain-of-Custody Record

Laboratory:

Laboratory Job # (Lab use only) M64162

GEI Consultants
400 Unicorn Park Drive
Woburn, MA 01801
PH: 781.721.4000
FX: 781.721.4073

**Project Information**

Project Name: Tufts Street

Project Location: Somerville, MA

Project Number: 045162

Project Manager: Mark Ensign

Send Report to: Ray Slegener

Send EDD to: labdata@geiconsultants.com



MCP PRESUMPTIVE CERTAINTY REQUIRED – YES NO JMG 4/18/07

If Yes, Are MCP Analytical Methods Required? YES NO NA

If Yes, Are Drinking Water Samples Submitted? YES NO NA

If Yes, Have You Met Minimum Field QC Requirements? YES NO NA

Preservative: HCl, None, HCl, NaOH, $HNO_3$

Analysis: VOCs 8260

Sample Handling: Samples Field Filtered YES NO NA; Sampled Shipped With Ice YES NO

| Lab Sample Number | GEI Sample ID | Collection Date | Collection Time | Matrix | No. of Bottles | Sampler(s) Initials | VOCs 8260 | Sample Specific Remarks |
|---|---|---|---|---|---|---|---|---|
| -1 | 045162-MW101 | 4/13/2007 | 1036 | GW | 2 | TAD | X | |
| -2 | 045162-MW102 | 4/13/2007 | 1357 | GW | 2 | SLS | X | |
| -3 | 045162-MW103 | 4/13/2007 | 1546 | GW | 2 | SLS | X | |
| -4 | 045162-MW104 | 4/13/2007 | 1446 | GW | 2 | TAD | X | |
| -5 | 045162-MW105 | 4/16/2007 | 1418 | GW | 2 | TAD | X | |
| -6 | 045162-MW106 | 4/13/2007 | 1100 | GW | 2 | SLS | X | |
| -7 | 045162-MW107 | 4/13/2007 | 1246 | GW | 2 | SLS | X | |
| -8 | 045162-MW108 | 4/16/2007 | 1002 | GW | 2 | SLS | X | |
| -9 | 045162-MW109 | 4/16/2007 | 1242 | GW | 2 | TAD | X | |
| -10 | 045162-MW110 | 4/17/2007 | 1255 | GW | 2 | TAD | X | |
| -11 | 045162-MW111 | 4/16/2007 | 1640 | GW | 2 | SLS | X | |
| -12 | 045162-MW112A | 4/16/2007 | 1424 | GW | 2 | SLS | X | |

**MCP Level Needed:** GEI requires the most stringent Method 1 MCP standard be met for all analytes whenever possible.

| Relinquished by sampler: (signature) | Date: | Time: | Received by: (signature) |
|---|---|---|---|
| 1. [signature] | 4-17-07 | 1400 | 1. GEI Sample Fridge |
| Relinquished by: (signature) 2. GEI Sample Fridge | 4/18/07 | 16:30 | Received by: (signature) 2. [signature] |
| Relinquished by: (signature) 3. [signature] | 4/18/07 | 16:30 | Received by: (signature) 3. [signature] |
| Relinquished by: (signature) 4. [signature] | 4/18/07 | 17:30 | Received by: (signature) 4. [signature] |

Turnaround Time (Business days): Normal X; Other ____; 10-Day ____; 7-Day ____; 5-Day ____; 3-Day ____

Before submitting rush turnaround samples, you **must** notify the laboratory to confirm that the TAT can be achieved.

Additional Requirements/Comments/Remarks:

4E6, 4E7

Tier: Data package required

Rec @ 1.9°C

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**M64162: Chain of Custody**
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# Chain-of-Custody Record

Laboratory:

Laboratory Job # (Lab use only) M64162

GEI Consultants
400 Unicorn Park Drive
Woburn, MA 01801
PH: 781.721.4000
FX: 781.721.4073

**Project Information**

Project Name: Tufts Street

Project Number: 045162

Send Report to: Ray Siegener

Send EDD to: labdata@geiconsultants.com

Project Location: Somerville, MA

Project Manager: Mark Ensign



MCP PRESUMPTIVE CERTAINTY REQUIRED – YES (NO)

If Yes, Are MCP Analytical Methods Required? (YES) NO NA

If Yes, Are Drinking Water Samples Submitted? YES (NO) NA

If Yes, Have You Met Minimum Field QC Requirements? (YES) NO NA

Sample Handling: Samples Field Filtered (YES) (NO) NA

Sampled Shipped With Ice (YES) NO

| Lab Sample Number | GEI Sample ID | Collection Date | Collection Time | Matrix | No. of Bottles | Sampler(s) Initials | VOCs 8260 (Preservative: HCl) | None | HCl | NaOH | $HNO_3$ | | | | Sample Specific Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| -13 | 045162-MW113 | 4/12/2007 | 1655 | GW | 2 | TAD | X | | | | | | | | |
| -14 | 045162-MW114 | 4/13/2007 | 1144 | GW | 2 | TAD | X | | | | | | | | |
| -15 | 045162-MW115 | 4/13/2007 | 1244 | GW | 2 | TAD | X | | | | | | | | |
| -16,16S,16D | 045162-MW116 | 4/16/2007 | 1548 | GW | 6 | SLS | X | | | | | | | | MS/MSD |
| -17 | 045162-GEO1 | 4/12/2007 | 1340 | GW | 2 | SLS | X | | | | | | | | |
| -18 | 045162-GEO2 | 4/12/2007 | 1315 | GW | 2 | TAD | X | | | | | | | | |
| -19 | 045162-GEO3 | 4/13/2007 | 935 | GW | 2 | TAD | X | | | | | | | | |
| -20 | 045162-GEO4 | 4/16/2007 | 1158 | GW | 2 | TAD | X | | | | | | | | |
| -21 | 045162-GEO5 | 4/16/2007 | 1042 | GW | 2 | TAD | X | | | | | | | | |
| -22 | 045162-GEO6 | 4/16/2007 | 948 | GW | 2 | TAD | X | | | | | | | | |
| -23 | 045162-SHMW1 | 4/12/2007 | 1630 | GW | 2 | SLS | X | | | | | | | | |
| -24 | 045162-SHMW2 | 4/16/2007 | 1544 | GW | 2 | TAD | X | | | | | | | | |

MCP Level Needed: GEI requires the most stringent Method 1 MCP standard be met for all analytes whenever possible.

| Relinquished by sampler: (signature) | Date: | Time: | Received by: (signature) |
|---|---|---|---|
| 1. [signature] | 4-17-07 | 1400 | 1. GEI Sample Fridge |
| 2. GEI Sample Fridge | 4/18/07 | 16:30 | 2. [signature] |
| 3. [signature] | 4/18/07 | 16:30 | 3. [signature] |
| 4. [signature] | 4/18/07 | 17:30 | 4. [signature] |

Turnaround Time (Business days):

Normal X Other ____

10-Day ____ 7-Day ____

5-Day ____ 3-Day ____

Before submitting rush turnaround samples, you **must** notify the laboratory to confirm that the TAT can be achieved.

Additional Requirements/Comments/Remarks:

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# Chain-of-Custody Record

Laboratory:

Laboratory Job # (Lab use only) M64162

GEI Consultants
400 Unicorn Park Drive
Woburn, MA 01801
PH: 781.721.4000
FX: 781.721.4073

Project Information

Project Name: Tufts Street

Project Location: Somerville, MA

Project Number: 045162

Project Manager: Mark Ensign

Send Report to: Ray Siegener

Send EDD to: labdata@geiconsultants.com



Preservative: HCl | None | HCl | NaOH | $HNO_3$

Analysis: VOCs 8260

Sample Handling: Samples Field Filtered YES (NO) NA

Sampled Shipped With Ice (YES) NO

MCP PRESUMPTIVE CERTAINTY REQUIRED – YES (NO)

If Yes, Are MCP Analytical Methods Required? (YES) NO NA

If Yes, Are Drinking Water Samples Submitted? YES (NO) NA

If Yes, Have You Met Minimum Field QC Requirements? (YES) NO NA

| Lab Sample Number | GEI Sample ID | Collection Date | Collection Time | Matrix | No. of Bottles | Sampler(s) Initials | VOCs 8260 | | | | | | | | Sample Specific Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| -25 | 045162-SHMW3 | 4/12/2007 | 1510 | GW | 2 | TAD | X | | | | | | | | |
| -26 | 045162-MW1 | 4/17/2007 | 1325 | GW | 2 | TAD | X | | | | | | | | |
| -27 | 045162-MW3 | 4/17/2007 | 1340 | GW | 2 | TAD | X | | | | | | | | |
| -28 | 045162-MW900 | 4/13/2007 | 1200 | GW | 2 | TAD | X | | | | | | | | |
| -29 | 045162-MW901 | 4/16/2007 | 1300 | GW | 2 | TAD | X | | | | | | | | |
| -30 | Trip Blank | | | GW | 1 | | X | | | | | | | | |

MCP Level Needed: GEI requires the most stringent Method 1 MCP standard be met for all analytes whenever possible.

| Relinquished by sampler: (signature) | Date: | Time: | Received by: (signature) |
|---|---|---|---|
| 1. [signature] | 4-17-07 | 1400 | 1. GEI Sample Fridge |
| Relinquished by: (signature) 2. GEI Fridge | 4/18/07 | 16:30 | 2. [signature] |
| Relinquished by: (signature) 3. [signature] | 4/18/07 | 16:30 | 3. [signature] |
| Relinquished by: (signature) 4. [signature] | 4/18/07 | 17:30 | 4. [signature] |

Turnaround Time (Business days): Normal X Other ____ 10-Day ____ 7-Day ____ 5-Day ____ 3-Day ____

Before submitting rush turnaround samples, you **must** notify the laboratory to confirm that the TAT can be achieved.

Additional Requirements/Comments/Remarks:

Rec @ 1.9°C

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**M64162: Chain of Custody**
**Page 6 of 7**

Betty Baer

**From:** Heather Ballantyne [HBallantyne@geiconsultants.com]
**Sent:** Thursday, April 19, 2007 3:04 PM
**To:** Betty Baer
**Cc:** Mark Ensign; Ray Siegener
**Subject:** Re: Tufts Street (M64162)

M64162.pdf  Heather Ballantyne.vcf

Hi Betty,

Please run the groundwater samples in job M64162 for VOC analysis by the 8260 Method using MCP presumptive certainty. Also please supply GEI with the full Tier I data package. I have made and initialed the necessary changes on the attached COC.

Thanks,
Heather

Heather Ballantyne
Geologist
GEI Consultants, Inc.
400 Unicorn Park Drive
Woburn, MA 01801
phone (781) 721-4063
cell (781) 424-9906
fax (781) 721-4073

>>> "Betty Baer" <bettyb@accutest.com> 4/19/2007 2:44:47 pm >>>

Hi Heather, here is the COC in question, please send e-mail to verify analysis.

<<m64162.pdf>>

***Betty Baer***

***Accutest Laboratories***

***495 Technology Center West, Building #1***

***Marlboro, MA 01752***

***Phone (508) 481- 6200***

***Fax (508) 481-7753***

*Accutest -- "50 Years of Excellence" -- 1956-2006*

**Title: MADEP MCP Response Action Analytical Report Certification Form**

## MADEP MCP Analytical Method Report Certification Form

| | | | |
|---|---|---|---|
| Laboratory Name: | Accutest Laboratories of New England | Project #: | M64162 |
| Project Location: | Tufts Street Somerville MA | MADEP RTN [1] | None |

This form provides certifications for the following data set:
M64162-1 through M64162-30

| Sample Matrices: | Groundwater X | Soil/Sediment ( ) | Drinking Water ( ) | Other: ( ) | ( ) |
|---|---|---|---|---|---|
| **MCP SW-846 Methods Used** | 8260B (X) | 8151A ( ) | 8330 ( ) | 6010B ( ) | 7470A/1A ( ) |
| | 8270C ( ) | 8081A ( ) | VPH ( ) | 6020 ( ) | 9014M [2] ( ) |
| As specified in MADEP Compendium of Analytical Methods. (Check all that apply) | 8082 ( ) | 8021B ( ) | EPH ( ) | 7000 S [3] ( ) | 7196A ( ) |

1 List Release Tracking Number (RTN), if known
2 M - SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method
3 S - SW-846 Methods 7000 Series List Individual method and analyte

***An affirmative response to questions A, B, C, and D is required for "Presumptive Certainty status***

| | | | | |
|---|---|---|---|---|
| **A** | Were all samples received by the laboratory in a condition consistent with that described on the Chain-of-Custody documentation for the data set? | ☑ | Yes | ☐ No [1] |
| **B** | Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines? | ☑ | Yes | ☐ No [1] |
| **C** | Does the data included in this report meet all the analytical requirements for "Presumptive Certainty", as described in Section 2.0 (a), (b), (c) and (d) of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"? | ☑ | Yes | ☐ No [1] |
| **D** | **VPH and EPH methods only:** Was the VPH or EPH method run without significant modifications, as specified in Section 11.3? | ☑ | Yes | ☐ No [1] |

***A response to questions E and F below is required for "Presumptive Certainty" status***

| | | | | |
|---|---|---|---|---|
| **E** | Were all QC performance standards and recommendations for the specified methods achieved? | ☐ **Refer to Narrative** | Yes | ☑ No [1] |
| **F** | Were results for all analyte-list compounds/elements for the specified method(s) reported? | ☑ **Refer to Narrative** | Yes | ☐ No [1] |

[1] ***All Negative responses must be addressed in an attached Environmental Laboratory case narrative.***

***I the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.***

**Signature:** [signature] **Position:** **Laboratory Director**

**Printed Name:** **Reza Tand** **Date:** **05/07/2007**

# Internal Sample Tracking Chronicle

GEI Consultants, Inc.

**Job No:** M64162

Tufts Street Somerville MA
Project No: 045162

| Sample Number | Method | Analyzed | By | Prepped | By | Test Codes |
|---|---|---|---|---|---|---|
| M64162-1 | Collected: 13-APR-07 10:36 By: TAD | | Received: 18-APR-07 By: RS | | | |
| 045162-MW101 | | | | | | |
| M64162-1 | SW846 8260B | 26-APR-07 15:27 | AMY | | | V8260MCP |
| M64162-1 | SW846 8260B | 27-APR-07 12:59 | AT | | | V8260MCP |
| M64162-2 | Collected: 13-APR-07 13:57 By: SLS | | Received: 18-APR-07 By: RS | | | |
| 045162-MW102 | | | | | | |
| M64162-2 | SW846 8260B | 27-APR-07 13:28 | AT | | | V8260MCP |
| M64162-3 | Collected: 13-APR-07 15:46 By: SLS | | Received: 18-APR-07 By: RS | | | |
| 045162-MW103 | | | | | | |
| M64162-3 | SW846 8260B | 26-APR-07 17:56 | AMY | | | V8260MCP |
| M64162-4 | Collected: 13-APR-07 14:46 By: TAD | | Received: 18-APR-07 By: RS | | | |
| 045162-MW104 | | | | | | |
| M64162-4 | SW846 8260B | 26-APR-07 18:24 | AMY | | | V8260MCP |
| M64162-5 | Collected: 16-APR-07 14:18 By: TAD | | Received: 18-APR-07 By: RS | | | |
| 045162-MW105 | | | | | | |
| M64162-5 | SW846 8260B | 27-APR-07 22:03 | KT | | | V8260MCP |
| M64162-6 | Collected: 13-APR-07 11:00 By: SLS | | Received: 18-APR-07 By: RS | | | |
| 045162-MW106 | | | | | | |
| M64162-6 | SW846 8260B | 26-APR-07 18:52 | AMY | | | V8260MCP |
| M64162-6 | SW846 8260B | 27-APR-07 13:57 | AT | | | V8260MCP |
| M64162-7 | Collected: 13-APR-07 12:46 By: SLS | | Received: 18-APR-07 By: RS | | | |
| 045162-MW107 | | | | | | |
| M64162-7 | SW846 8260B | 27-APR-07 14:27 | AT | | | V8260MCP |
| M64162-8 | Collected: 16-APR-07 10:02 By: SLS | | Received: 18-APR-07 By: RS | | | |
| 045162-MW108 | | | | | | |

# Internal Sample Tracking Chronicle

GEI Consultants, Inc.

**Job No:** M64162

Tufts Street Somerville MA
Project No: 045162

| Sample Number | Method | Analyzed | By | Prepped | By | Test Codes |
|---|---|---|---|---|---|---|
| M64162-8 | SW846 8260B | 27-APR-07 22:30 | KT | | | V8260MCP |
| M64162-9 Collected: 16-APR-07 12:42 By: TAD Received: 18-APR-07 By: RS 045162-MW109 | | | | | | |
| M64162-9 | SW846 8260B | 27-APR-07 22:56 | KT | | | V8260MCP |
| M64162-10 Collected: 17-APR-07 12:55 By: TAD Received: 18-APR-07 By: RS 045162-MW110 | | | | | | |
| M64162-10 | SW846 8260B | 27-APR-07 23:22 | KT | | | V8260MCP |
| M64162-11 Collected: 16-APR-07 16:40 By: SLS Received: 18-APR-07 By: RS 045162-MW111 | | | | | | |
| M64162-11 | SW846 8260B | 30-APR-07 19:21 | KT | | | V8260MCP |
| M64162-12 Collected: 16-APR-07 14:24 By: SLS Received: 18-APR-07 By: RS 045162-MW112A | | | | | | |
| M64162-12 | SW846 8260B | 27-APR-07 23:49 | KT | | | V8260MCP |
| M64162-13 Collected: 12-APR-07 16:55 By: TAD Received: 18-APR-07 By: RS 045162-MW113 | | | | | | |
| M64162-13 | SW846 8260B | 26-APR-07 13:03 | AMY | | | V8260MCP |
| M64162-14 Collected: 13-APR-07 11:44 By: TAD Received: 18-APR-07 By: RS 045162-MW114 | | | | | | |
| M64162-14 | SW846 8260B | 27-APR-07 14:56 | AT | | | V8260MCP |
| M64162-15 Collected: 13-APR-07 12:44 By: TAD Received: 18-APR-07 By: RS 045162-MW115 | | | | | | |
| M64162-15 | SW846 8260B | 27-APR-07 15:25 | AT | | | V8260MCP |
| M64162-16 Collected: 16-APR-07 15:48 By: SLS Received: 18-APR-07 By: RS 045162-MW116 | | | | | | |

# Internal Sample Tracking Chronicle

GEI Consultants, Inc.

**Job No:** M64162

Tufts Street Somerville MA
Project No: 045162

| Sample Number | Method | Analyzed | By | Prepped | By | Test Codes |
|---|---|---|---|---|---|---|
| M64162-16 | SW846 8260B | 27-APR-07 19:26 | KT | | | V8260MCP |
| M64162-17 | Collected: 12-APR-07 13:40 By: SLS | | Received: 18-APR-07 By: RS | | | |
| 045162-GEO1 | | | | | | |
| M64162-17 | SW846 8260B | 26-APR-07 13:31 | AMY | | | V8260MCP |
| M64162-17 | SW846 8260B | 26-APR-07 15:56 | AMY | | | V8260MCP |
| M64162-18 | Collected: 12-APR-07 13:15 By: TAD | | Received: 18-APR-07 By: RS | | | |
| 045162-GEO2 | | | | | | |
| M64162-18 | SW846 8260B | 26-APR-07 15:51 | AT | | | V8260MCP |
| M64162-19 | Collected: 13-APR-07 09:35 By: TAD | | Received: 18-APR-07 By: RS | | | |
| 045162-GEO3 | | | | | | |
| M64162-19 | SW846 8260B | 26-APR-07 21:39 | AMY | | | V8260MCP |
| M64162-20 | Collected: 16-APR-07 11:58 By: TAD | | Received: 18-APR-07 By: RS | | | |
| 045162-GEO4 | | | | | | |
| M64162-20 | SW846 8260B | 30-APR-07 16:16 | KT | | | V8260MCP |
| M64162-20 | SW846 8260B | 30-APR-07 17:09 | KT | | | V8260MCP |
| M64162-21 | Collected: 16-APR-07 10:42 By: TAD | | Received: 18-APR-07 By: RS | | | |
| 045162-GEO5 | | | | | | |
| M64162-21 | SW846 8260B | 30-APR-07 18:28 | KT | | | V8260MCP |
| M64162-22 | Collected: 16-APR-07 09:48 By: TAD | | Received: 18-APR-07 By: RS | | | |
| 045162-GEO6 | | | | | | |
| M64162-22 | SW846 8260B | 30-APR-07 17:35 | KT | | | V8260MCP |
| M64162-23 | Collected: 12-APR-07 16:30 By: SLS | | Received: 18-APR-07 By: RS | | | |
| 045162-SHMW1 | | | | | | |
| M64162-23 | SW846 8260B | 26-APR-07 14:29 | AMY | | | V8260MCP |
| M64162-23 | SW846 8260B | 26-APR-07 16:26 | AMY | | | V8260MCP |

# Internal Sample Tracking Chronicle

GEI Consultants, Inc.

**Job No:** M64162

Tufts Street Somerville MA
Project No: 045162

| Sample Number | Method | Analyzed | By | Prepped | By | Test Codes |
|---|---|---|---|---|---|---|
| M64162-24 Collected: 16-APR-07 15:44 By: TAD Received: 18-APR-07 By: RS<br>045162-SHMW2 | | | | | | |
| M64162-24 | SW846 8260B | 30-APR-07 18:02 | KT | | | V8260MCP |
| M64162-25 Collected: 12-APR-07 15:10 By: TAD Received: 18-APR-07 By: RS<br>045162-SHMW3 | | | | | | |
| M64162-25 | SW846 8260B | 26-APR-07 14:58 | AMY | | | V8260MCP |
| M64162-25 | SW846 8260B | 26-APR-07 16:55 | AMY | | | V8260MCP |
| M64162-26 Collected: 17-APR-07 13:25 By: TAD Received: 18-APR-07 By: RS<br>045162-MW1 | | | | | | |
| M64162-26 | SW846 8260B | 30-APR-07 15:50 | KT | | | V8260MCP |
| M64162-27 Collected: 17-APR-07 13:40 By: TAD Received: 18-APR-07 By: RS<br>045162-MW3 | | | | | | |
| M64162-27 | SW846 8260B | 30-APR-07 16:42 | KT | | | V8260MCP |
| M64162-28 Collected: 13-APR-07 12:00 By: TAD Received: 18-APR-07 By: RS<br>045162-MW900 | | | | | | |
| M64162-28 | SW846 8260B | 26-APR-07 22:08 | AMY | | | V8260MCP |
| M64162-28 | SW846 8260B | 27-APR-07 15:54 | AT | | | V8260MCP |
| M64162-29 Collected: 16-APR-07 13:00 By: TAD Received: 18-APR-07 By: RS<br>045162-MW901 | | | | | | |
| M64162-29 | SW846 8260B | 30-APR-07 18:54 | KT | | | V8260MCP |
| M64162-29 | SW846 8260B | 30-APR-07 19:48 | KT | | | V8260MCP |
| M64162-30 Collected: 13-APR-07 00:00 By: TAD Received: 18-APR-07 By: RS<br>TRIP BLANK | | | | | | |
| M64162-30 | SW846 8260B | 26-APR-07 12:34 | AMY | | | V8260MCP |

# Accutest Internal Chain of Custody



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA
**Received:** 04/18/07



| Sample.Bottle Number | Transfer FROM | Transfer TO | Date/Time | Reason |
|---|---|---|---|---|
| M64162-1.1 | VOC Ref #4 | Amy Min Yang | 04/26/07 11:58 | Retrieve from Storage |
| M64162-1.1 | Amy Min Yang | GCMSP | 04/26/07 11:58 | Load on Instrument |
| M64162-1.1 | GCMSP | Amy Min Yang | 04/27/07 09:21 | Unload from Instrument |
| M64162-1.1 | Amy Min Yang | VOC Ref #4 | 04/27/07 09:25 | Return to Storage |
| M64162-1.2 | VOC Ref #4 | Ali Tand | 04/27/07 11:47 | Retrieve from Storage |
| M64162-1.2 | Ali Tand | GCMSN | 04/27/07 11:47 | Load on Instrument |
| M64162-1.2 | GCMSN | Ali Tand | 04/28/07 09:37 | Unload from Instrument |
| M64162-1.2 | Ali Tand | VOC Ref #4 | 04/28/07 09:37 | Return to Storage |
| M64162-2.1 | VOC Ref #4 | Amy Min Yang | 04/26/07 11:58 | Retrieve from Storage |
| M64162-2.1 | Amy Min Yang | GCMSP | 04/26/07 11:58 | Load on Instrument |
| M64162-2.1 | GCMSP | Amy Min Yang | 04/27/07 09:21 | Unload from Instrument |
| M64162-2.1 | Amy Min Yang | VOC Ref #4 | 04/27/07 09:25 | Return to Storage |
| M64162-2.2 | VOC Ref #4 | Ali Tand | 04/27/07 11:47 | Retrieve from Storage |
| M64162-2.2 | Ali Tand | GCMSN | 04/27/07 11:47 | Load on Instrument |
| M64162-2.2 | GCMSN | Ali Tand | 04/28/07 09:37 | Unload from Instrument |
| M64162-2.2 | Ali Tand | VOC Ref #4 | 04/28/07 09:37 | Return to Storage |
| M64162-3.1 | VOC Ref #4 | Amy Min Yang | 04/26/07 11:58 | Retrieve from Storage |
| M64162-3.1 | Amy Min Yang | GCMSP | 04/26/07 11:58 | Load on Instrument |
| M64162-3.1 | GCMSP | Amy Min Yang | 04/27/07 09:21 | Unload from Instrument |
| M64162-3.1 | Amy Min Yang | VOC Ref #4 | 04/27/07 09:25 | Return to Storage |
| M64162-4.1 | VOC Ref #4 | Amy Min Yang | 04/26/07 11:58 | Retrieve from Storage |
| M64162-4.1 | Amy Min Yang | GCMSP | 04/26/07 11:58 | Load on Instrument |
| M64162-4.1 | GCMSP | Amy Min Yang | 04/27/07 09:21 | Unload from Instrument |
| M64162-4.1 | Amy Min Yang | VOC Ref #4 | 04/27/07 09:25 | Return to Storage |
| M64162-5.1 | VOC Ref #4 | Kim-Ngan Tran | 04/27/07 16:11 | Retrieve from Storage |
| M64162-5.1 | Kim-Ngan Tran | GCMSG | 04/27/07 16:11 | Load on Instrument |
| M64162-5.1 | GCMSG | Kim-Ngan Tran | 04/30/07 14:35 | Unload from Instrument |
| M64162-5.1 | Kim-Ngan Tran | VOC Ref #4 | 04/30/07 14:35 | Return to Storage |
| M64162-6.1 | VOC Ref #4 | Amy Min Yang | 04/26/07 11:58 | Retrieve from Storage |
| M64162-6.1 | Amy Min Yang | GCMSP | 04/26/07 11:58 | Load on Instrument |
| M64162-6.1 | GCMSP | Amy Min Yang | 04/27/07 09:21 | Unload from Instrument |
| M64162-6.1 | Amy Min Yang | VOC Ref #4 | 04/27/07 09:25 | Return to Storage |
| M64162-6.2 | VOC Ref #4 | Ali Tand | 04/27/07 11:47 | Retrieve from Storage |
| M64162-6.2 | Ali Tand | GCMSN | 04/27/07 11:47 | Load on Instrument |
| M64162-6.2 | GCMSN | Ali Tand | 04/28/07 09:37 | Unload from Instrument |
| M64162-6.2 | Ali Tand | VOC Ref #4 | 04/28/07 09:37 | Return to Storage |

# Accutest Internal Chain of Custody



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA
**Received:** 04/18/07



| Sample.Bottle Number | Transfer FROM | Transfer TO | Date/Time | Reason |
|---|---|---|---|---|
| M64162-7.1 | VOC Ref #4 | Amy Min Yang | 04/26/07 11:58 | Retrieve from Storage |
| M64162-7.1 | Amy Min Yang | GCMSP | 04/26/07 11:58 | Load on Instrument |
| M64162-7.1 | GCMSP | Amy Min Yang | 04/27/07 09:21 | Unload from Instrument |
| M64162-7.1 | Amy Min Yang | VOC Ref #4 | 04/27/07 09:25 | Return to Storage |
| M64162-7.2 | VOC Ref #4 | Ali Tand | 04/27/07 11:47 | Retrieve from Storage |
| M64162-7.2 | Ali Tand | GCMSN | 04/27/07 11:47 | Load on Instrument |
| M64162-7.2 | GCMSN | Ali Tand | 04/28/07 09:37 | Unload from Instrument |
| M64162-7.2 | Ali Tand | VOC Ref #4 | 04/28/07 09:37 | Return to Storage |
| M64162-8.1 | VOC Ref #4 | Kim-Ngan Tran | 04/27/07 16:11 | Retrieve from Storage |
| M64162-8.1 | Kim-Ngan Tran | GCMSG | 04/27/07 16:11 | Load on Instrument |
| M64162-8.1 | GCMSG | Kim-Ngan Tran | 04/30/07 14:35 | Unload from Instrument |
| M64162-8.1 | Kim-Ngan Tran | VOC Ref #4 | 04/30/07 14:35 | Return to Storage |
| M64162-9.1 | VOC Ref #4 | Kim-Ngan Tran | 04/27/07 16:11 | Retrieve from Storage |
| M64162-9.1 | Kim-Ngan Tran | GCMSG | 04/27/07 16:11 | Load on Instrument |
| M64162-9.1 | GCMSG | Kim-Ngan Tran | 04/30/07 14:35 | Unload from Instrument |
| M64162-9.1 | Kim-Ngan Tran | VOC Ref #4 | 04/30/07 14:35 | Return to Storage |
| M64162-10.1 | VOC Ref #4 | Kim-Ngan Tran | 04/27/07 16:11 | Retrieve from Storage |
| M64162-10.1 | Kim-Ngan Tran | GCMSG | 04/27/07 16:11 | Load on Instrument |
| M64162-10.1 | GCMSG | Kim-Ngan Tran | 04/30/07 14:35 | Unload from Instrument |
| M64162-10.1 | Kim-Ngan Tran | VOC Ref #4 | 04/30/07 14:35 | Return to Storage |
| M64162-11.1 | VOC Ref #4 | Kim-Ngan Tran | 04/27/07 16:11 | Retrieve from Storage |
| M64162-11.1 | Kim-Ngan Tran | GCMSG | 04/27/07 16:11 | Load on Instrument |
| M64162-11.1 | GCMSG | Kim-Ngan Tran | 04/27/07 16:28 | Unload from Instrument |
| M64162-11.1 | Kim-Ngan Tran | VOC Ref #4 | 04/27/07 16:28 | Return to Storage |
| M64162-11.2 | VOC Ref #4 | Kim-Ngan Tran | 04/30/07 14:35 | Retrieve from Storage |
| M64162-11.2 | Kim-Ngan Tran | GCMSG | 04/30/07 14:35 | Load on Instrument |
| M64162-11.2 | GCMSG | Kim-Ngan Tran | 04/30/07 15:22 | Unload from Instrument |
| M64162-11.2 | Kim-Ngan Tran | VOC Ref #4 | 04/30/07 15:22 | Return to Storage |
| M64162-12.1 | VOC Ref #4 | Kim-Ngan Tran | 04/27/07 16:11 | Retrieve from Storage |
| M64162-12.1 | Kim-Ngan Tran | GCMSG | 04/27/07 16:11 | Load on Instrument |
| M64162-12.1 | GCMSG | Kim-Ngan Tran | 04/30/07 14:35 | Unload from Instrument |
| M64162-12.1 | Kim-Ngan Tran | VOC Ref #4 | 04/30/07 14:35 | Return to Storage |
| M64162-13.1 | VOC Ref #4 | Amy Min Yang | 04/26/07 11:58 | Retrieve from Storage |
| M64162-13.1 | Amy Min Yang | GCMSP | 04/26/07 11:58 | Load on Instrument |
| M64162-13.1 | GCMSP | Amy Min Yang | 04/27/07 09:21 | Unload from Instrument |

# Accutest Internal Chain of Custody



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA
**Received:** 04/18/07



| Sample.Bottle Number | Transfer FROM | Transfer TO | Date/Time | Reason |
|---|---|---|---|---|
| M64162-13.1 | Amy Min Yang | VOC Ref #4 | 04/27/07 09:25 | Return to Storage |
| M64162-13.2 | VOC Ref #4 | Amy Min Yang | 04/26/07 16:46 | Retrieve from Storage |
| M64162-13.2 | Amy Min Yang | GCMSP | 04/26/07 16:46 | Load on Instrument |
| M64162-13.2 | GCMSP | Amy Min Yang | 04/27/07 09:21 | Unload from Instrument |
| M64162-13.2 | Amy Min Yang | VOC Ref #4 | 04/27/07 09:25 | Return to Storage |
| M64162-14.1 | VOC Ref #4 | Amy Min Yang | 04/26/07 11:58 | Retrieve from Storage |
| M64162-14.1 | Amy Min Yang | GCMSP | 04/26/07 11:58 | Load on Instrument |
| M64162-14.1 | GCMSP | Amy Min Yang | 04/27/07 09:21 | Unload from Instrument |
| M64162-14.1 | Amy Min Yang | VOC Ref #4 | 04/27/07 09:25 | Return to Storage |
| M64162-14.2 | VOC Ref #4 | Ali Tand | 04/27/07 11:47 | Retrieve from Storage |
| M64162-14.2 | Ali Tand | GCMSN | 04/27/07 11:47 | Load on Instrument |
| M64162-14.2 | GCMSN | Ali Tand | 04/28/07 09:37 | Unload from Instrument |
| M64162-14.2 | Ali Tand | VOC Ref #4 | 04/28/07 09:37 | Return to Storage |
| M64162-15.1 | VOC Ref #4 | Amy Min Yang | 04/26/07 11:58 | Retrieve from Storage |
| M64162-15.1 | Amy Min Yang | GCMSP | 04/26/07 11:58 | Load on Instrument |
| M64162-15.1 | GCMSP | Amy Min Yang | 04/27/07 09:21 | Unload from Instrument |
| M64162-15.1 | Amy Min Yang | VOC Ref #4 | 04/27/07 09:25 | Return to Storage |
| M64162-15.2 | VOC Ref #4 | Ali Tand | 04/27/07 11:47 | Retrieve from Storage |
| M64162-15.2 | Ali Tand | GCMSN | 04/27/07 11:47 | Load on Instrument |
| M64162-15.2 | GCMSN | Ali Tand | 04/28/07 09:37 | Unload from Instrument |
| M64162-15.2 | Ali Tand | VOC Ref #4 | 04/28/07 09:37 | Return to Storage |
| M64162-16.1 | VOC Ref #4 | Kim-Ngan Tran | 04/27/07 16:11 | Retrieve from Storage |
| M64162-16.1 | Kim-Ngan Tran | GCMSG | 04/27/07 16:11 | Load on Instrument |
| M64162-16.1 | GCMSG | Kim-Ngan Tran | 04/27/07 16:28 | Unload from Instrument |
| M64162-16.1 | Kim-Ngan Tran | VOC Ref #4 | 04/27/07 16:28 | Return to Storage |
| M64162-17.1 | VOC Ref #4 | Amy Min Yang | 04/26/07 11:58 | Retrieve from Storage |
| M64162-17.1 | Amy Min Yang | GCMSP | 04/26/07 11:58 | Load on Instrument |
| M64162-17.1 | GCMSP | Amy Min Yang | 04/27/07 09:21 | Unload from Instrument |
| M64162-17.1 | Amy Min Yang | VOC Ref #4 | 04/27/07 09:25 | Return to Storage |
| M64162-18.1 | VOC Ref #4 | Amy Min Yang | 04/26/07 11:58 | Retrieve from Storage |
| M64162-18.1 | Amy Min Yang | GCMSP | 04/26/07 11:58 | Load on Instrument |
| M64162-18.1 | GCMSP | Amy Min Yang | 04/27/07 09:21 | Unload from Instrument |
| M64162-18.1 | Amy Min Yang | VOC Ref #4 | 04/27/07 09:25 | Return to Storage |
| M64162-18.2 | VOC Ref #4 | Ali Tand | 04/26/07 14:31 | Retrieve from Storage |
| M64162-18.2 | Ali Tand | GCMSN | 04/26/07 14:31 | Load on Instrument |

# Accutest Internal Chain of Custody



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA
**Received:** 04/18/07



| Sample.Bottle Number | Transfer FROM | Transfer TO | Date/Time | Reason |
|---|---|---|---|---|
| M64162-18.2 | GCMSN | Ali Tand | 04/27/07 09:15 | Unload from Instrument |
| M64162-18.2 | Ali Tand | VOC Ref #4 | 04/27/07 09:15 | Return to Storage |
| M64162-19.1 | VOC Ref #4 | Amy Min Yang | 04/26/07 11:58 | Retrieve from Storage |
| M64162-19.1 | Amy Min Yang | GCMSP | 04/26/07 11:58 | Load on Instrument |
| M64162-19.1 | GCMSP | Amy Min Yang | 04/27/07 09:21 | Unload from Instrument |
| M64162-19.1 | Amy Min Yang | VOC Ref #4 | 04/27/07 09:25 | Return to Storage |
| M64162-20.1 | VOC Ref #4 | Kim-Ngan Tran | 04/27/07 17:59 | Retrieve from Storage |
| M64162-20.1 | Kim-Ngan Tran | GCMSG | 04/27/07 17:59 | Load on Instrument |
| M64162-20.1 | GCMSG | Kim-Ngan Tran | 04/27/07 18:03 | Unload from Instrument |
| M64162-20.1 | Kim-Ngan Tran | VOC Ref #4 | 04/27/07 18:03 | Return to Storage |
| M64162-20.2 | VOC Ref #4 | Kim-Ngan Tran | 04/30/07 15:21 | Retrieve from Storage |
| M64162-20.2 | Kim-Ngan Tran | GCMSG | 04/30/07 15:21 | Load on Instrument |
| M64162-20.2 | GCMSG | Kim-Ngan Tran | 04/30/07 17:25 | Unload from Instrument |
| M64162-20.2 | Kim-Ngan Tran | VOC Ref #4 | 04/30/07 17:25 | Return to Storage |
| M64162-21.1 | VOC Ref #4 | Kim-Ngan Tran | 04/27/07 17:59 | Retrieve from Storage |
| M64162-21.1 | Kim-Ngan Tran | GCMSG | 04/27/07 17:59 | Load on Instrument |
| M64162-21.1 | GCMSG | Kim-Ngan Tran | 04/27/07 18:03 | Unload from Instrument |
| M64162-21.1 | Kim-Ngan Tran | VOC Ref #4 | 04/27/07 18:03 | Return to Storage |
| M64162-21.2 | VOC Ref #4 | Kim-Ngan Tran | 04/30/07 15:21 | Retrieve from Storage |
| M64162-21.2 | Kim-Ngan Tran | GCMSG | 04/30/07 15:21 | Load on Instrument |
| M64162-21.2 | GCMSG | Kim-Ngan Tran | 04/30/07 18:47 | Unload from Instrument |
| M64162-21.2 | Kim-Ngan Tran | VOC Ref #4 | 04/30/07 18:47 | Return to Storage |
| M64162-22.1 | VOC Ref #4 | Kim-Ngan Tran | 04/27/07 17:59 | Retrieve from Storage |
| M64162-22.1 | Kim-Ngan Tran | GCMSG | 04/27/07 17:59 | Load on Instrument |
| M64162-22.1 | GCMSG | Kim-Ngan Tran | 04/27/07 18:03 | Unload from Instrument |
| M64162-22.1 | Kim-Ngan Tran | VOC Ref #4 | 04/27/07 18:03 | Return to Storage |
| M64162-22.2 | VOC Ref #4 | Kim-Ngan Tran | 04/30/07 15:21 | Retrieve from Storage |
| M64162-22.2 | Kim-Ngan Tran | GCMSG | 04/30/07 15:21 | Load on Instrument |
| M64162-22.2 | GCMSG | Kim-Ngan Tran | 04/30/07 17:25 | Unload from Instrument |
| M64162-22.2 | Kim-Ngan Tran | VOC Ref #4 | 04/30/07 17:25 | Return to Storage |
| M64162-23.1 | VOC Ref #4 | Amy Min Yang | 04/26/07 11:58 | Retrieve from Storage |
| M64162-23.1 | Amy Min Yang | GCMSP | 04/26/07 11:58 | Load on Instrument |
| M64162-23.1 | GCMSP | Amy Min Yang | 04/27/07 09:21 | Unload from Instrument |
| M64162-23.1 | Amy Min Yang | VOC Ref #4 | 04/27/07 09:25 | Return to Storage |
| M64162-24.1 | VOC Ref #4 | Kim-Ngan Tran | 04/27/07 17:59 | Retrieve from Storage |

# Accutest Internal Chain of Custody



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA
**Received:** 04/18/07



| Sample.Bottle Number | Transfer FROM | Transfer TO | Date/Time | Reason |
|---|---|---|---|---|
| M64162-24.1 | Kim-Ngan Tran | GCMSG | 04/27/07 17:59 | Load on Instrument |
| M64162-24.1 | GCMSG | Kim-Ngan Tran | 04/27/07 18:03 | Unload from Instrument |
| M64162-24.1 | Kim-Ngan Tran | VOC Ref #4 | 04/27/07 18:03 | Return to Storage |
| M64162-24.2 | VOC Ref #4 | Kim-Ngan Tran | 04/30/07 15:21 | Retrieve from Storage |
| M64162-24.2 | Kim-Ngan Tran | GCMSG | 04/30/07 15:21 | Load on Instrument |
| M64162-24.2 | GCMSG | Kim-Ngan Tran | 04/30/07 17:25 | Unload from Instrument |
| M64162-24.2 | Kim-Ngan Tran | VOC Ref #4 | 04/30/07 17:25 | Return to Storage |
| M64162-25.1 | VOC Ref #4 | Amy Min Yang | 04/26/07 11:58 | Retrieve from Storage |
| M64162-25.1 | Amy Min Yang | GCMSP | 04/26/07 11:58 | Load on Instrument |
| M64162-25.1 | GCMSP | Amy Min Yang | 04/27/07 09:21 | Unload from Instrument |
| M64162-25.1 | Amy Min Yang | VOC Ref #4 | 04/27/07 09:25 | Return to Storage |
| M64162-26.1 | VOC Ref #4 | Kim-Ngan Tran | 04/27/07 17:59 | Retrieve from Storage |
| M64162-26.1 | Kim-Ngan Tran | GCMSG | 04/27/07 17:59 | Load on Instrument |
| M64162-26.1 | GCMSG | Kim-Ngan Tran | 04/27/07 18:03 | Unload from Instrument |
| M64162-26.1 | Kim-Ngan Tran | VOC Ref #4 | 04/27/07 18:03 | Return to Storage |
| M64162-26.2 | VOC Ref #4 | Kim-Ngan Tran | 04/30/07 15:21 | Retrieve from Storage |
| M64162-26.2 | Kim-Ngan Tran | GCMSG | 04/30/07 15:21 | Load on Instrument |
| M64162-26.2 | GCMSG | Kim-Ngan Tran | 04/30/07 17:25 | Unload from Instrument |
| M64162-26.2 | Kim-Ngan Tran | VOC Ref #4 | 04/30/07 17:25 | Return to Storage |
| M64162-27.1 | VOC Ref #4 | Kim-Ngan Tran | 04/27/07 17:59 | Retrieve from Storage |
| M64162-27.1 | Kim-Ngan Tran | GCMSG | 04/27/07 17:59 | Load on Instrument |
| M64162-27.1 | GCMSG | Kim-Ngan Tran | 04/27/07 18:03 | Unload from Instrument |
| M64162-27.1 | Kim-Ngan Tran | VOC Ref #4 | 04/27/07 18:03 | Return to Storage |
| M64162-27.2 | VOC Ref #4 | Kim-Ngan Tran | 04/30/07 15:21 | Retrieve from Storage |
| M64162-27.2 | Kim-Ngan Tran | GCMSG | 04/30/07 15:21 | Load on Instrument |
| M64162-27.2 | GCMSG | Kim-Ngan Tran | 04/30/07 17:25 | Unload from Instrument |
| M64162-27.2 | Kim-Ngan Tran | VOC Ref #4 | 04/30/07 17:25 | Return to Storage |
| M64162-28.1 | VOC Ref #4 | Amy Min Yang | 04/26/07 11:58 | Retrieve from Storage |
| M64162-28.1 | Amy Min Yang | GCMSP | 04/26/07 11:58 | Load on Instrument |
| M64162-28.1 | GCMSP | Amy Min Yang | 04/27/07 09:21 | Unload from Instrument |
| M64162-28.1 | Amy Min Yang | VOC Ref #4 | 04/27/07 09:25 | Return to Storage |
| M64162-28.2 | VOC Ref #4 | Ali Tand | 04/27/07 11:47 | Retrieve from Storage |
| M64162-28.2 | Ali Tand | GCMSN | 04/27/07 11:47 | Load on Instrument |
| M64162-28.2 | GCMSN | Ali Tand | 04/28/07 09:37 | Unload from Instrument |
| M64162-28.2 | Ali Tand | VOC Ref #4 | 04/28/07 09:37 | Return to Storage |

# Accutest Internal Chain of Custody



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA
**Received:** 04/18/07



| Sample.Bottle Number | Transfer FROM | Transfer TO | Date/Time | Reason |
|---|---|---|---|---|
| M64162-29.1 | VOC Ref #4 | Kim-Ngan Tran | 04/27/07 17:59 | Retrieve from Storage |
| M64162-29.1 | Kim-Ngan Tran | GCMSG | 04/27/07 17:59 | Load on Instrument |
| M64162-29.1 | GCMSG | Kim-Ngan Tran | 04/27/07 18:03 | Unload from Instrument |
| M64162-29.1 | Kim-Ngan Tran | VOC Ref #4 | 04/27/07 18:03 | Return to Storage |
| M64162-29.2 | VOC Ref #4 | Kim-Ngan Tran | 04/30/07 15:21 | Retrieve from Storage |
| M64162-29.2 | Kim-Ngan Tran | GCMSG | 04/30/07 15:21 | Load on Instrument |
| M64162-29.2 | GCMSG | Kim-Ngan Tran | 04/30/07 18:47 | Unload from Instrument |
| M64162-29.2 | Kim-Ngan Tran | VOC Ref #4 | 04/30/07 18:47 | Return to Storage |
| M64162-30.1 | VOC Ref #4 | Amy Min Yang | 04/26/07 11:58 | Retrieve from Storage |
| M64162-30.1 | Amy Min Yang | GCMSP | 04/26/07 11:58 | Load on Instrument |
| M64162-30.1 | GCMSP | Amy Min Yang | 04/27/07 09:21 | Unload from Instrument |
| M64162-30.1 | Amy Min Yang | VOC Ref #4 | 04/27/07 09:25 | Return to Storage |

# GC/MS Volatiles

## QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

# Method Blank Summary



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| MSP589-MB | P17201.D | 1 | 04/26/07 | AMY | n/a | n/a | MSP589 |



**The QC reported here applies to the following samples:** **Method:** SW846 8260B

M64162-1, M64162-3, M64162-4, M64162-6, M64162-13, M64162-17, M64162-19, M64162-23, M64162-25, M64162-28, M64162-30

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | 5.0 | 2.8 | ug/l | |
| 71-43-2 | Benzene | ND | 0.50 | 0.23 | ug/l | |
| 108-86-1 | Bromobenzene | ND | 5.0 | 0.23 | ug/l | |
| 74-97-5 | Bromochloromethane | ND | 5.0 | 0.44 | ug/l | |
| 75-27-4 | Bromodichloromethane | ND | 1.0 | 0.26 | ug/l | |
| 75-25-2 | Bromoform | ND | 1.0 | 0.47 | ug/l | |
| 74-83-9 | Bromomethane | ND | 2.0 | 0.61 | ug/l | |
| 78-93-3 | 2-Butanone (MEK) | ND | 5.0 | 1.8 | ug/l | |
| 104-51-8 | n-Butylbenzene | ND | 5.0 | 0.32 | ug/l | |
| 135-98-8 | sec-Butylbenzene | ND | 5.0 | 0.50 | ug/l | |
| 98-06-6 | tert-Butylbenzene | ND | 5.0 | 0.23 | ug/l | |
| 75-15-0 | Carbon disulfide | ND | 5.0 | 0.41 | ug/l | |
| 56-23-5 | Carbon tetrachloride | ND | 1.0 | 0.21 | ug/l | |
| 108-90-7 | Chlorobenzene | ND | 1.0 | 0.32 | ug/l | |
| 75-00-3 | Chloroethane | ND | 2.0 | 0.65 | ug/l | |
| 67-66-3 | Chloroform | ND | 1.0 | 0.18 | ug/l | |
| 74-87-3 | Chloromethane | ND | 2.0 | 0.20 | ug/l | |
| 95-49-8 | o-Chlorotoluene | ND | 5.0 | 0.21 | ug/l | |
| 106-43-4 | p-Chlorotoluene | ND | 5.0 | 0.27 | ug/l | |
| 108-20-3 | Di-Isopropyl ether | ND | 2.0 | 0.13 | ug/l | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 5.0 | 0.85 | ug/l | |
| 124-48-1 | Dibromochloromethane | ND | 1.0 | 0.34 | ug/l | |
| 106-93-4 | 1,2-Dibromoethane | ND | 2.0 | 0.40 | ug/l | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 1.0 | 0.29 | ug/l | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 1.0 | 0.18 | ug/l | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 1.0 | 0.20 | ug/l | |
| 75-71-8 | Dichlorodifluoromethane | ND | 2.0 | 0.74 | ug/l | |
| 75-34-3 | 1,1-Dichloroethane | ND | 1.0 | 0.18 | ug/l | |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.0 | 0.20 | ug/l | |
| 75-35-4 | 1,1-Dichloroethene | ND | 1.0 | 0.35 | ug/l | |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 1.0 | 0.36 | ug/l | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1.0 | 0.40 | ug/l | |
| 78-87-5 | 1,2-Dichloropropane | ND | 2.0 | 0.28 | ug/l | |
| 142-28-9 | 1,3-Dichloropropane | ND | 5.0 | 0.27 | ug/l | |
| 594-20-7 | 2,2-Dichloropropane | ND | 5.0 | 0.28 | ug/l | |
| 563-58-6 | 1,1-Dichloropropene | ND | 5.0 | 0.21 | ug/l | |

# Method Blank Summary



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| MSP589-MB | P17201.D | 1 | 04/26/07 | AMY | n/a | n/a | MSP589 |



**The QC reported here applies to the following samples:** **Method:** SW846 8260B

M64162-1, M64162-3, M64162-4, M64162-6, M64162-13, M64162-17, M64162-19, M64162-23, M64162-25, M64162-28, M64162-30

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.50 | 0.30 | ug/l | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.50 | 0.31 | ug/l | |
| 123-91-1 | 1,4-Dioxane | ND | 25 | 13 | ug/l | |
| 60-29-7 | Ethyl Ether | ND | 5.0 | 1.9 | ug/l | |
| 100-41-4 | Ethylbenzene | ND | 1.0 | 0.21 | ug/l | |
| 87-68-3 | Hexachlorobutadiene | ND | 5.0 | 0.42 | ug/l | |
| 591-78-6 | 2-Hexanone | ND | 5.0 | 0.76 | ug/l | |
| 98-82-8 | Isopropylbenzene | ND | 5.0 | 0.17 | ug/l | |
| 99-87-6 | p-Isopropyltoluene | ND | 5.0 | 0.27 | ug/l | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 1.0 | 0.14 | ug/l | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 5.0 | 0.50 | ug/l | |
| 74-95-3 | Methylene bromide | ND | 5.0 | 0.27 | ug/l | |
| 75-09-2 | Methylene chloride | ND | 2.0 | 0.27 | ug/l | |
| 91-20-3 | Naphthalene | ND | 5.0 | 0.68 | ug/l | |
| 103-65-1 | n-Propylbenzene | ND | 5.0 | 0.21 | ug/l | |
| 100-42-5 | Styrene | ND | 5.0 | 0.23 | ug/l | |
| 994-05-8 | tert-Amyl Methyl Ether | ND | 2.0 | 0.12 | ug/l | |
| 637-92-3 | tert-Butyl Ethyl Ether | ND | 2.0 | 0.22 | ug/l | |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 5.0 | 0.31 | ug/l | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 1.0 | 0.22 | ug/l | |
| 127-18-4 | Tetrachloroethene | ND | 1.0 | 0.34 | ug/l | |
| 109-99-9 | Tetrahydrofuran | ND | 10 | 1.2 | ug/l | |
| 108-88-3 | Toluene | ND | 1.0 | 0.24 | ug/l | |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 5.0 | 0.43 | ug/l | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.0 | 0.49 | ug/l | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 1.0 | 0.21 | ug/l | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.0 | 0.32 | ug/l | |
| 79-01-6 | Trichloroethene | ND | 1.0 | 0.30 | ug/l | |
| 75-69-4 | Trichlorofluoromethane | ND | 1.0 | 0.31 | ug/l | |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 5.0 | 0.25 | ug/l | |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 5.0 | 0.18 | ug/l | |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 5.0 | 0.15 | ug/l | |
| 75-01-4 | Vinyl chloride | ND | 1.0 | 0.24 | ug/l | |
| | m,p-Xylene | ND | 1.0 | 0.54 | ug/l | |
| 95-47-6 | o-Xylene | ND | 1.0 | 0.37 | ug/l | |
| 1330-20-7 | Xylene (total) | ND | 1.0 | 0.37 | ug/l | |

# Method Blank Summary



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| MSP589-MB | P17201.D | 1 | 04/26/07 | AMY | n/a | n/a | MSP589 |

**The QC reported here applies to the following samples:** **Method:** SW846 8260B

M64162-1, M64162-3, M64162-4, M64162-6, M64162-13, M64162-17, M64162-19, M64162-23, M64162-25, M64162-28, M64162-30

| CAS No. | Surrogate Recoveries | | Limits |
|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 103% | 84-129% |
| 2037-26-5 | Toluene-D8 | 100% | 80-120% |
| 460-00-4 | 4-Bromofluorobenzene | 100% | 82-118% |

# Method Blank Summary



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| MSN683-MB | N18885.D | 1 | 04/26/07 | AT | n/a | n/a | MSN683 |



**The QC reported here applies to the following samples:** **Method:** SW846 8260B

M64162-18

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | 5.0 | 2.8 | ug/l | |
| 71-43-2 | Benzene | ND | 0.50 | 0.23 | ug/l | |
| 108-86-1 | Bromobenzene | ND | 5.0 | 0.23 | ug/l | |
| 74-97-5 | Bromochloromethane | ND | 5.0 | 0.44 | ug/l | |
| 75-27-4 | Bromodichloromethane | ND | 1.0 | 0.26 | ug/l | |
| 75-25-2 | Bromoform | ND | 1.0 | 0.47 | ug/l | |
| 74-83-9 | Bromomethane | ND | 2.0 | 0.61 | ug/l | |
| 78-93-3 | 2-Butanone (MEK) | ND | 5.0 | 1.8 | ug/l | |
| 104-51-8 | n-Butylbenzene | ND | 5.0 | 0.32 | ug/l | |
| 135-98-8 | sec-Butylbenzene | ND | 5.0 | 0.50 | ug/l | |
| 98-06-6 | tert-Butylbenzene | ND | 5.0 | 0.23 | ug/l | |
| 75-15-0 | Carbon disulfide | ND | 5.0 | 0.41 | ug/l | |
| 56-23-5 | Carbon tetrachloride | ND | 1.0 | 0.21 | ug/l | |
| 108-90-7 | Chlorobenzene | ND | 1.0 | 0.32 | ug/l | |
| 75-00-3 | Chloroethane | ND | 2.0 | 0.65 | ug/l | |
| 67-66-3 | Chloroform | ND | 1.0 | 0.18 | ug/l | |
| 74-87-3 | Chloromethane | ND | 2.0 | 0.20 | ug/l | |
| 95-49-8 | o-Chlorotoluene | ND | 5.0 | 0.21 | ug/l | |
| 106-43-4 | p-Chlorotoluene | ND | 5.0 | 0.27 | ug/l | |
| 108-20-3 | Di-Isopropyl ether | ND | 2.0 | 0.13 | ug/l | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 5.0 | 0.85 | ug/l | |
| 124-48-1 | Dibromochloromethane | ND | 1.0 | 0.34 | ug/l | |
| 106-93-4 | 1,2-Dibromoethane | ND | 2.0 | 0.40 | ug/l | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 1.0 | 0.29 | ug/l | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 1.0 | 0.18 | ug/l | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 1.0 | 0.20 | ug/l | |
| 75-71-8 | Dichlorodifluoromethane | ND | 2.0 | 0.74 | ug/l | |
| 75-34-3 | 1,1-Dichloroethane | ND | 1.0 | 0.18 | ug/l | |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.0 | 0.20 | ug/l | |
| 75-35-4 | 1,1-Dichloroethene | ND | 1.0 | 0.35 | ug/l | |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 1.0 | 0.36 | ug/l | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1.0 | 0.40 | ug/l | |
| 78-87-5 | 1,2-Dichloropropane | ND | 2.0 | 0.28 | ug/l | |
| 142-28-9 | 1,3-Dichloropropane | ND | 5.0 | 0.27 | ug/l | |
| 594-20-7 | 2,2-Dichloropropane | ND | 5.0 | 0.28 | ug/l | |
| 563-58-6 | 1,1-Dichloropropene | ND | 5.0 | 0.21 | ug/l | |

# Method Blank Summary



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| MSN683-MB | N18885.D | 1 | 04/26/07 | AT | n/a | n/a | MSN683 |



**The QC reported here applies to the following samples:** **Method:** SW846 8260B

M64162-18

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.50 | 0.30 | ug/l | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.50 | 0.31 | ug/l | |
| 123-91-1 | 1,4-Dioxane | ND | 25 | 13 | ug/l | |
| 60-29-7 | Ethyl Ether | ND | 5.0 | 1.9 | ug/l | |
| 100-41-4 | Ethylbenzene | ND | 1.0 | 0.21 | ug/l | |
| 87-68-3 | Hexachlorobutadiene | ND | 5.0 | 0.42 | ug/l | |
| 591-78-6 | 2-Hexanone | ND | 5.0 | 0.76 | ug/l | |
| 98-82-8 | Isopropylbenzene | ND | 5.0 | 0.17 | ug/l | |
| 99-87-6 | p-Isopropyltoluene | ND | 5.0 | 0.27 | ug/l | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 1.0 | 0.14 | ug/l | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 5.0 | 0.50 | ug/l | |
| 74-95-3 | Methylene bromide | ND | 5.0 | 0.27 | ug/l | |
| 75-09-2 | Methylene chloride | ND | 2.0 | 0.27 | ug/l | |
| 91-20-3 | Naphthalene | ND | 5.0 | 0.68 | ug/l | |
| 103-65-1 | n-Propylbenzene | ND | 5.0 | 0.21 | ug/l | |
| 100-42-5 | Styrene | ND | 5.0 | 0.23 | ug/l | |
| 994-05-8 | tert-Amyl Methyl Ether | ND | 2.0 | 0.12 | ug/l | |
| 637-92-3 | tert-Butyl Ethyl Ether | ND | 2.0 | 0.22 | ug/l | |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 5.0 | 0.31 | ug/l | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 1.0 | 0.22 | ug/l | |
| 127-18-4 | Tetrachloroethene | ND | 1.0 | 0.34 | ug/l | |
| 109-99-9 | Tetrahydrofuran | ND | 10 | 1.2 | ug/l | |
| 108-88-3 | Toluene | ND | 1.0 | 0.24 | ug/l | |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 5.0 | 0.43 | ug/l | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.0 | 0.49 | ug/l | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 1.0 | 0.21 | ug/l | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.0 | 0.32 | ug/l | |
| 79-01-6 | Trichloroethene | ND | 1.0 | 0.30 | ug/l | |
| 75-69-4 | Trichlorofluoromethane | ND | 1.0 | 0.31 | ug/l | |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 5.0 | 0.25 | ug/l | |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 5.0 | 0.18 | ug/l | |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 5.0 | 0.15 | ug/l | |
| 75-01-4 | Vinyl chloride | ND | 1.0 | 0.24 | ug/l | |
| | m,p-Xylene | ND | 1.0 | 0.54 | ug/l | |
| 95-47-6 | o-Xylene | ND | 1.0 | 0.37 | ug/l | |
| 1330-20-7 | Xylene (total) | ND | 1.0 | 0.37 | ug/l | |

# Method Blank Summary



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| MSN683-MB | N18885.D | 1 | 04/26/07 | AT | n/a | n/a | MSN683 |

**The QC reported here applies to the following samples:** **Method:** SW846 8260B

M64162-18

| CAS No. | Surrogate Recoveries | | Limits |
|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 110% | 84-129% |
| 2037-26-5 | Toluene-D8 | 104% | 80-120% |
| 460-00-4 | 4-Bromofluorobenzene | 106% | 82-118% |

# Method Blank Summary



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| MSN684-MB | N18912.D | 1 | 04/27/07 | AT | n/a | n/a | MSN684 |



**The QC reported here applies to the following samples:** **Method:** SW846 8260B

M64162-1, M64162-2, M64162-6, M64162-7, M64162-14, M64162-15, M64162-28

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | 5.0 | 2.8 | ug/l | |
| 71-43-2 | Benzene | ND | 0.50 | 0.23 | ug/l | |
| 108-86-1 | Bromobenzene | ND | 5.0 | 0.23 | ug/l | |
| 74-97-5 | Bromochloromethane | ND | 5.0 | 0.44 | ug/l | |
| 75-27-4 | Bromodichloromethane | ND | 1.0 | 0.26 | ug/l | |
| 75-25-2 | Bromoform | ND | 1.0 | 0.47 | ug/l | |
| 74-83-9 | Bromomethane | ND | 2.0 | 0.61 | ug/l | |
| 78-93-3 | 2-Butanone (MEK) | ND | 5.0 | 1.8 | ug/l | |
| 104-51-8 | n-Butylbenzene | ND | 5.0 | 0.32 | ug/l | |
| 135-98-8 | sec-Butylbenzene | ND | 5.0 | 0.50 | ug/l | |
| 98-06-6 | tert-Butylbenzene | ND | 5.0 | 0.23 | ug/l | |
| 75-15-0 | Carbon disulfide | ND | 5.0 | 0.41 | ug/l | |
| 56-23-5 | Carbon tetrachloride | ND | 1.0 | 0.21 | ug/l | |
| 108-90-7 | Chlorobenzene | ND | 1.0 | 0.32 | ug/l | |
| 75-00-3 | Chloroethane | ND | 2.0 | 0.65 | ug/l | |
| 67-66-3 | Chloroform | ND | 1.0 | 0.18 | ug/l | |
| 74-87-3 | Chloromethane | ND | 2.0 | 0.20 | ug/l | |
| 95-49-8 | o-Chlorotoluene | ND | 5.0 | 0.21 | ug/l | |
| 106-43-4 | p-Chlorotoluene | ND | 5.0 | 0.27 | ug/l | |
| 108-20-3 | Di-Isopropyl ether | ND | 2.0 | 0.13 | ug/l | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 5.0 | 0.85 | ug/l | |
| 124-48-1 | Dibromochloromethane | ND | 1.0 | 0.34 | ug/l | |
| 106-93-4 | 1,2-Dibromoethane | ND | 2.0 | 0.40 | ug/l | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 1.0 | 0.29 | ug/l | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 1.0 | 0.18 | ug/l | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 1.0 | 0.20 | ug/l | |
| 75-71-8 | Dichlorodifluoromethane | ND | 2.0 | 0.74 | ug/l | |
| 75-34-3 | 1,1-Dichloroethane | ND | 1.0 | 0.18 | ug/l | |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.0 | 0.20 | ug/l | |
| 75-35-4 | 1,1-Dichloroethene | ND | 1.0 | 0.35 | ug/l | |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 1.0 | 0.36 | ug/l | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1.0 | 0.40 | ug/l | |
| 78-87-5 | 1,2-Dichloropropane | ND | 2.0 | 0.28 | ug/l | |
| 142-28-9 | 1,3-Dichloropropane | ND | 5.0 | 0.27 | ug/l | |
| 594-20-7 | 2,2-Dichloropropane | ND | 5.0 | 0.28 | ug/l | |
| 563-58-6 | 1,1-Dichloropropene | ND | 5.0 | 0.21 | ug/l | |

# Method Blank Summary



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| MSN684-MB | N18912.D | 1 | 04/27/07 | AT | n/a | n/a | MSN684 |



**The QC reported here applies to the following samples:** **Method:** SW846 8260B

M64162-1, M64162-2, M64162-6, M64162-7, M64162-14, M64162-15, M64162-28

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.50 | 0.30 | ug/l | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.50 | 0.31 | ug/l | |
| 123-91-1 | 1,4-Dioxane | ND | 25 | 13 | ug/l | |
| 60-29-7 | Ethyl Ether | ND | 5.0 | 1.9 | ug/l | |
| 100-41-4 | Ethylbenzene | ND | 1.0 | 0.21 | ug/l | |
| 87-68-3 | Hexachlorobutadiene | ND | 5.0 | 0.42 | ug/l | |
| 591-78-6 | 2-Hexanone | ND | 5.0 | 0.76 | ug/l | |
| 98-82-8 | Isopropylbenzene | ND | 5.0 | 0.17 | ug/l | |
| 99-87-6 | p-Isopropyltoluene | ND | 5.0 | 0.27 | ug/l | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 1.0 | 0.14 | ug/l | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 5.0 | 0.50 | ug/l | |
| 74-95-3 | Methylene bromide | ND | 5.0 | 0.27 | ug/l | |
| 75-09-2 | Methylene chloride | ND | 2.0 | 0.27 | ug/l | |
| 91-20-3 | Naphthalene | ND | 5.0 | 0.68 | ug/l | |
| 103-65-1 | n-Propylbenzene | ND | 5.0 | 0.21 | ug/l | |
| 100-42-5 | Styrene | ND | 5.0 | 0.23 | ug/l | |
| 994-05-8 | tert-Amyl Methyl Ether | ND | 2.0 | 0.12 | ug/l | |
| 637-92-3 | tert-Butyl Ethyl Ether | ND | 2.0 | 0.22 | ug/l | |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 5.0 | 0.31 | ug/l | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 1.0 | 0.22 | ug/l | |
| 127-18-4 | Tetrachloroethene | ND | 1.0 | 0.34 | ug/l | |
| 109-99-9 | Tetrahydrofuran | ND | 10 | 1.2 | ug/l | |
| 108-88-3 | Toluene | ND | 1.0 | 0.24 | ug/l | |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 5.0 | 0.43 | ug/l | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.0 | 0.49 | ug/l | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 1.0 | 0.21 | ug/l | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.0 | 0.32 | ug/l | |
| 79-01-6 | Trichloroethene | ND | 1.0 | 0.30 | ug/l | |
| 75-69-4 | Trichlorofluoromethane | ND | 1.0 | 0.31 | ug/l | |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 5.0 | 0.25 | ug/l | |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 5.0 | 0.18 | ug/l | |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 5.0 | 0.15 | ug/l | |
| 75-01-4 | Vinyl chloride | ND | 1.0 | 0.24 | ug/l | |
| | m,p-Xylene | ND | 1.0 | 0.54 | ug/l | |
| 95-47-6 | o-Xylene | ND | 1.0 | 0.37 | ug/l | |
| 1330-20-7 | Xylene (total) | ND | 1.0 | 0.37 | ug/l | |

# Method Blank Summary



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| MSN684-MB | N18912.D | 1 | 04/27/07 | AT | n/a | n/a | MSN684 |

**The QC reported here applies to the following samples:** **Method:** SW846 8260B

M64162-1, M64162-2, M64162-6, M64162-7, M64162-14, M64162-15, M64162-28

| CAS No. | Surrogate Recoveries | | Limits |
|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 116% | 84-129% |
| 2037-26-5 | Toluene-D8 | 104% | 80-120% |
| 460-00-4 | 4-Bromofluorobenzene | 106% | 82-118% |

# Method Blank Summary



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| MSG2784-MB | G69219.D | 1 | 04/27/07 | KT | n/a | n/a | MSG2784 |



**The QC reported here applies to the following samples:** **Method:** SW846 8260B

M64162-5, M64162-8, M64162-9, M64162-10, M64162-12, M64162-16

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | 5.0 | 2.8 | ug/l | |
| 71-43-2 | Benzene | ND | 0.50 | 0.23 | ug/l | |
| 108-86-1 | Bromobenzene | ND | 5.0 | 0.23 | ug/l | |
| 74-97-5 | Bromochloromethane | ND | 5.0 | 0.44 | ug/l | |
| 75-27-4 | Bromodichloromethane | ND | 1.0 | 0.26 | ug/l | |
| 75-25-2 | Bromoform | ND | 1.0 | 0.47 | ug/l | |
| 74-83-9 | Bromomethane | ND | 2.0 | 0.61 | ug/l | |
| 78-93-3 | 2-Butanone (MEK) | ND | 5.0 | 1.8 | ug/l | |
| 104-51-8 | n-Butylbenzene | ND | 5.0 | 0.32 | ug/l | |
| 135-98-8 | sec-Butylbenzene | ND | 5.0 | 0.50 | ug/l | |
| 98-06-6 | tert-Butylbenzene | ND | 5.0 | 0.23 | ug/l | |
| 75-15-0 | Carbon disulfide | ND | 5.0 | 0.41 | ug/l | |
| 56-23-5 | Carbon tetrachloride | ND | 1.0 | 0.21 | ug/l | |
| 108-90-7 | Chlorobenzene | ND | 1.0 | 0.32 | ug/l | |
| 75-00-3 | Chloroethane | ND | 2.0 | 0.65 | ug/l | |
| 67-66-3 | Chloroform | ND | 1.0 | 0.18 | ug/l | |
| 74-87-3 | Chloromethane | ND | 2.0 | 0.20 | ug/l | |
| 95-49-8 | o-Chlorotoluene | ND | 5.0 | 0.21 | ug/l | |
| 106-43-4 | p-Chlorotoluene | ND | 5.0 | 0.27 | ug/l | |
| 108-20-3 | Di-Isopropyl ether | ND | 2.0 | 0.13 | ug/l | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 5.0 | 0.85 | ug/l | |
| 124-48-1 | Dibromochloromethane | ND | 1.0 | 0.34 | ug/l | |
| 106-93-4 | 1,2-Dibromoethane | ND | 2.0 | 0.40 | ug/l | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 1.0 | 0.29 | ug/l | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 1.0 | 0.18 | ug/l | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 1.0 | 0.20 | ug/l | |
| 75-71-8 | Dichlorodifluoromethane | ND | 2.0 | 0.74 | ug/l | |
| 75-34-3 | 1,1-Dichloroethane | ND | 1.0 | 0.18 | ug/l | |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.0 | 0.20 | ug/l | |
| 75-35-4 | 1,1-Dichloroethene | ND | 1.0 | 0.35 | ug/l | |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 1.0 | 0.36 | ug/l | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1.0 | 0.40 | ug/l | |
| 78-87-5 | 1,2-Dichloropropane | ND | 2.0 | 0.28 | ug/l | |
| 142-28-9 | 1,3-Dichloropropane | ND | 5.0 | 0.27 | ug/l | |
| 594-20-7 | 2,2-Dichloropropane | ND | 5.0 | 0.28 | ug/l | |
| 563-58-6 | 1,1-Dichloropropene | ND | 5.0 | 0.21 | ug/l | |

# Method Blank Summary



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| MSG2784-MB | G69219.D | 1 | 04/27/07 | KT | n/a | n/a | MSG2784 |



**The QC reported here applies to the following samples:** **Method:** SW846 8260B

M64162-5, M64162-8, M64162-9, M64162-10, M64162-12, M64162-16

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.50 | 0.30 | ug/l | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.50 | 0.31 | ug/l | |
| 123-91-1 | 1,4-Dioxane | ND | 25 | 13 | ug/l | |
| 60-29-7 | Ethyl Ether | ND | 5.0 | 1.9 | ug/l | |
| 100-41-4 | Ethylbenzene | ND | 1.0 | 0.21 | ug/l | |
| 87-68-3 | Hexachlorobutadiene | ND | 5.0 | 0.42 | ug/l | |
| 591-78-6 | 2-Hexanone | ND | 5.0 | 0.76 | ug/l | |
| 98-82-8 | Isopropylbenzene | ND | 5.0 | 0.17 | ug/l | |
| 99-87-6 | p-Isopropyltoluene | ND | 5.0 | 0.27 | ug/l | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 1.0 | 0.14 | ug/l | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 5.0 | 0.50 | ug/l | |
| 74-95-3 | Methylene bromide | ND | 5.0 | 0.27 | ug/l | |
| 75-09-2 | Methylene chloride | ND | 2.0 | 0.27 | ug/l | |
| 91-20-3 | Naphthalene | ND | 5.0 | 0.68 | ug/l | |
| 103-65-1 | n-Propylbenzene | ND | 5.0 | 0.21 | ug/l | |
| 100-42-5 | Styrene | ND | 5.0 | 0.23 | ug/l | |
| 994-05-8 | tert-Amyl Methyl Ether | ND | 2.0 | 0.12 | ug/l | |
| 637-92-3 | tert-Butyl Ethyl Ether | ND | 2.0 | 0.22 | ug/l | |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 5.0 | 0.31 | ug/l | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 1.0 | 0.22 | ug/l | |
| 127-18-4 | Tetrachloroethene | ND | 1.0 | 0.34 | ug/l | |
| 109-99-9 | Tetrahydrofuran | ND | 10 | 1.2 | ug/l | |
| 108-88-3 | Toluene | ND | 1.0 | 0.24 | ug/l | |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 5.0 | 0.43 | ug/l | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.0 | 0.49 | ug/l | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 1.0 | 0.21 | ug/l | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.0 | 0.32 | ug/l | |
| 79-01-6 | Trichloroethene | ND | 1.0 | 0.30 | ug/l | |
| 75-69-4 | Trichlorofluoromethane | ND | 1.0 | 0.31 | ug/l | |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 5.0 | 0.25 | ug/l | |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 5.0 | 0.18 | ug/l | |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 5.0 | 0.15 | ug/l | |
| 75-01-4 | Vinyl chloride | ND | 1.0 | 0.24 | ug/l | |
| | m,p-Xylene | ND | 1.0 | 0.54 | ug/l | |
| 95-47-6 | o-Xylene | ND | 1.0 | 0.37 | ug/l | |
| 1330-20-7 | Xylene (total) | ND | 1.0 | 0.37 | ug/l | |

# Method Blank Summary



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| MSG2784-MB | G69219.D | 1 | 04/27/07 | KT | n/a | n/a | MSG2784 |

**The QC reported here applies to the following samples:** **Method:** SW846 8260B

M64162-5, M64162-8, M64162-9, M64162-10, M64162-12, M64162-16

| CAS No. | Surrogate Recoveries | | Limits |
|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 101% | 84-129% |
| 2037-26-5 | Toluene-D8 | 101% | 80-120% |
| 460-00-4 | 4-Bromofluorobenzene | 99% | 82-118% |

# Method Blank Summary



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| MSG2785-MB | G69291.D | 1 | 04/30/07 | KT | n/a | n/a | MSG2785 |



**The QC reported here applies to the following samples:** **Method:** SW846 8260B

M64162-11, M64162-20, M64162-21, M64162-22, M64162-24, M64162-26, M64162-27, M64162-29

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | 5.0 | 2.8 | ug/l | |
| 71-43-2 | Benzene | ND | 0.50 | 0.23 | ug/l | |
| 108-86-1 | Bromobenzene | ND | 5.0 | 0.23 | ug/l | |
| 74-97-5 | Bromochloromethane | ND | 5.0 | 0.44 | ug/l | |
| 75-27-4 | Bromodichloromethane | ND | 1.0 | 0.26 | ug/l | |
| 75-25-2 | Bromoform | ND | 1.0 | 0.47 | ug/l | |
| 74-83-9 | Bromomethane | ND | 2.0 | 0.61 | ug/l | |
| 78-93-3 | 2-Butanone (MEK) | ND | 5.0 | 1.8 | ug/l | |
| 104-51-8 | n-Butylbenzene | ND | 5.0 | 0.32 | ug/l | |
| 135-98-8 | sec-Butylbenzene | ND | 5.0 | 0.50 | ug/l | |
| 98-06-6 | tert-Butylbenzene | ND | 5.0 | 0.23 | ug/l | |
| 75-15-0 | Carbon disulfide | ND | 5.0 | 0.41 | ug/l | |
| 56-23-5 | Carbon tetrachloride | ND | 1.0 | 0.21 | ug/l | |
| 108-90-7 | Chlorobenzene | ND | 1.0 | 0.32 | ug/l | |
| 75-00-3 | Chloroethane | ND | 2.0 | 0.65 | ug/l | |
| 67-66-3 | Chloroform | ND | 1.0 | 0.18 | ug/l | |
| 74-87-3 | Chloromethane | ND | 2.0 | 0.20 | ug/l | |
| 95-49-8 | o-Chlorotoluene | ND | 5.0 | 0.21 | ug/l | |
| 106-43-4 | p-Chlorotoluene | ND | 5.0 | 0.27 | ug/l | |
| 108-20-3 | Di-Isopropyl ether | ND | 2.0 | 0.13 | ug/l | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 5.0 | 0.85 | ug/l | |
| 124-48-1 | Dibromochloromethane | ND | 1.0 | 0.34 | ug/l | |
| 106-93-4 | 1,2-Dibromoethane | ND | 2.0 | 0.40 | ug/l | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 1.0 | 0.29 | ug/l | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 1.0 | 0.18 | ug/l | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 1.0 | 0.20 | ug/l | |
| 75-71-8 | Dichlorodifluoromethane | ND | 2.0 | 0.74 | ug/l | |
| 75-34-3 | 1,1-Dichloroethane | ND | 1.0 | 0.18 | ug/l | |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.0 | 0.20 | ug/l | |
| 75-35-4 | 1,1-Dichloroethene | ND | 1.0 | 0.35 | ug/l | |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 1.0 | 0.36 | ug/l | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1.0 | 0.40 | ug/l | |
| 78-87-5 | 1,2-Dichloropropane | ND | 2.0 | 0.28 | ug/l | |
| 142-28-9 | 1,3-Dichloropropane | ND | 5.0 | 0.27 | ug/l | |
| 594-20-7 | 2,2-Dichloropropane | ND | 5.0 | 0.28 | ug/l | |
| 563-58-6 | 1,1-Dichloropropene | ND | 5.0 | 0.21 | ug/l | |

# Method Blank Summary



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| MSG2785-MB | G69291.D | 1 | 04/30/07 | KT | n/a | n/a | MSG2785 |



**The QC reported here applies to the following samples:** **Method:** SW846 8260B

M64162-11, M64162-20, M64162-21, M64162-22, M64162-24, M64162-26, M64162-27, M64162-29

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---|---|---|---|---|---|---|
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.50 | 0.30 | ug/l | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.50 | 0.31 | ug/l | |
| 123-91-1 | 1,4-Dioxane | ND | 25 | 13 | ug/l | |
| 60-29-7 | Ethyl Ether | ND | 5.0 | 1.9 | ug/l | |
| 100-41-4 | Ethylbenzene | ND | 1.0 | 0.21 | ug/l | |
| 87-68-3 | Hexachlorobutadiene | ND | 5.0 | 0.42 | ug/l | |
| 591-78-6 | 2-Hexanone | ND | 5.0 | 0.76 | ug/l | |
| 98-82-8 | Isopropylbenzene | ND | 5.0 | 0.17 | ug/l | |
| 99-87-6 | p-Isopropyltoluene | ND | 5.0 | 0.27 | ug/l | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 1.0 | 0.14 | ug/l | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 5.0 | 0.50 | ug/l | |
| 74-95-3 | Methylene bromide | ND | 5.0 | 0.27 | ug/l | |
| 75-09-2 | Methylene chloride | ND | 2.0 | 0.27 | ug/l | |
| 91-20-3 | Naphthalene | ND | 5.0 | 0.68 | ug/l | |
| 103-65-1 | n-Propylbenzene | ND | 5.0 | 0.21 | ug/l | |
| 100-42-5 | Styrene | ND | 5.0 | 0.23 | ug/l | |
| 994-05-8 | tert-Amyl Methyl Ether | ND | 2.0 | 0.12 | ug/l | |
| 637-92-3 | tert-Butyl Ethyl Ether | ND | 2.0 | 0.22 | ug/l | |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 5.0 | 0.31 | ug/l | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 1.0 | 0.22 | ug/l | |
| 127-18-4 | Tetrachloroethene | ND | 1.0 | 0.34 | ug/l | |
| 109-99-9 | Tetrahydrofuran | ND | 10 | 1.2 | ug/l | |
| 108-88-3 | Toluene | ND | 1.0 | 0.24 | ug/l | |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 5.0 | 0.43 | ug/l | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 5.0 | 0.49 | ug/l | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 1.0 | 0.21 | ug/l | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.0 | 0.32 | ug/l | |
| 79-01-6 | Trichloroethene | ND | 1.0 | 0.30 | ug/l | |
| 75-69-4 | Trichlorofluoromethane | ND | 1.0 | 0.31 | ug/l | |
| 96-18-4 | 1,2,3-Trichloropropane | ND | 5.0 | 0.25 | ug/l | |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 5.0 | 0.18 | ug/l | |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 5.0 | 0.15 | ug/l | |
| 75-01-4 | Vinyl chloride | ND | 1.0 | 0.24 | ug/l | |
| | m,p-Xylene | ND | 1.0 | 0.54 | ug/l | |
| 95-47-6 | o-Xylene | ND | 1.0 | 0.37 | ug/l | |
| 1330-20-7 | Xylene (total) | ND | 1.0 | 0.37 | ug/l | |

# Method Blank Summary



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| MSG2785-MB | G69291.D | 1 | 04/30/07 | KT | n/a | n/a | MSG2785 |

**The QC reported here applies to the following samples:** **Method:** SW846 8260B

M64162-11, M64162-20, M64162-21, M64162-22, M64162-24, M64162-26, M64162-27, M64162-29

| CAS No. | Surrogate Recoveries | | Limits |
|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 98% | 84-129% |
| 2037-26-5 | Toluene-D8 | 100% | 80-120% |
| 460-00-4 | 4-Bromofluorobenzene | 97% | 82-118% |

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| MSP589-BS | P17198.D | 1 | 04/26/07 | AMY | n/a | n/a | MSP589 |
| MSP589-BSD | P17199.D | 1 | 04/26/07 | AMY | n/a | n/a | MSP589 |



**The QC reported here applies to the following samples:** **Method:** SW846 8260B

M64162-1, M64162-3, M64162-4, M64162-6, M64162-13, M64162-17, M64162-19, M64162-23, M64162-25, M64162-28, M64162-30

| CAS No. | Compound | Spike ug/l | BSP ug/l | BSP % | BSD ug/l | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | 50 | 64.4 | 129 | 66.1 | 132 | 3 | 30-150/25 |
| 71-43-2 | Benzene | 50 | 46.5 | 93 | 49.3 | 99 | 6 | 77-120/25 |
| 108-86-1 | Bromobenzene | 50 | 47.3 | 95 | 48.0 | 96 | 1 | 70-120/25 |
| 74-97-5 | Bromochloromethane | 50 | 48.7 | 97 | 51.4 | 103 | 5 | 72-126/25 |
| 75-27-4 | Bromodichloromethane | 50 | 54.6 | 109 | 59.3 | 119 | 8 | 76-128/25 |
| 75-25-2 | Bromoform | 50 | 50.0 | 100 | 49.8 | 100 | 0 | 70-130/25 |
| 74-83-9 | Bromomethane | 50 | 39.3 | 79 | 41.0 | 82 | 4 | 54-147/25 |
| 78-93-3 | 2-Butanone (MEK) | 50 | 61.8 | 124 | 63.1 | 126 | 2 | 50-147/25 |
| 104-51-8 | n-Butylbenzene | 50 | 50.2 | 100 | 46.7 | 93 | 7 | 72-137/25 |
| 135-98-8 | sec-Butylbenzene | 50 | 49.9 | 100 | 47.5 | 95 | 5 | 73-129/25 |
| 98-06-6 | tert-Butylbenzene | 50 | 50.6 | 101 | 48.6 | 97 | 4 | 71-129/25 |
| 75-15-0 | Carbon disulfide | 50 | 42.1 | 84 | 40.3 | 81 | 4 | 52-150/25 |
| 56-23-5 | Carbon tetrachloride | 50 | 46.8 | 94 | 49.6 | 99 | 6 | 70-143/25 |
| 108-90-7 | Chlorobenzene | 50 | 47.1 | 94 | 47.3 | 95 | 0 | 72-120/25 |
| 75-00-3 | Chloroethane | 50 | 44.7 | 89 | 47.6 | 95 | 6 | 51-151/25 |
| 67-66-3 | Chloroform | 50 | 50.9 | 102 | 51.8 | 104 | 2 | 75-124/25 |
| 74-87-3 | Chloromethane | 50 | 45.2 | 90 | 45.1 | 90 | 0 | 35-150/25 |
| 95-49-8 | o-Chlorotoluene | 50 | 50.3 | 101 | 49.2 | 98 | 2 | 76-123/25 |
| 106-43-4 | p-Chlorotoluene | 50 | 51.9 | 104 | 51.5 | 103 | 1 | 76-124/25 |
| 108-20-3 | Di-Isopropyl ether | 50 | 58.3 | 117 | 59.1 | 118 | 1 | 70-142/25 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 50 | 49.4 | 99 | 49.1 | 98 | 1 | 59-138/25 |
| 124-48-1 | Dibromochloromethane | 50 | 55.2 | 110 | 56.8 | 114 | 3 | 79-127/25 |
| 106-93-4 | 1,2-Dibromoethane | 50 | 47.8 | 96 | 49.4 | 99 | 3 | 74-125/25 |
| 95-50-1 | 1,2-Dichlorobenzene | 50 | 50.4 | 101 | 49.6 | 99 | 2 | 79-120/25 |
| 541-73-1 | 1,3-Dichlorobenzene | 50 | 48.7 | 97 | 47.9 | 96 | 2 | 76-121/25 |
| 106-46-7 | 1,4-Dichlorobenzene | 50 | 46.4 | 93 | 46.4 | 93 | 0 | 75-120/25 |
| 75-71-8 | Dichlorodifluoromethane | 50 | 28.6 | 57 | 29.8 | 60 | 4 | 10-150/25 |
| 75-34-3 | 1,1-Dichloroethane | 50 | 47.4 | 95 | 48.7 | 97 | 3 | 73-126/25 |
| 107-06-2 | 1,2-Dichloroethane | 50 | 52.8 | 106 | 54.6 | 109 | 3 | 65-137/25 |
| 75-35-4 | 1,1-Dichloroethene | 50 | 50.3 | 101 | 51.1 | 102 | 2 | 64-128/25 |
| 156-59-2 | cis-1,2-Dichloroethene | 50 | 47.9 | 96 | 50.3 | 101 | 5 | 73-122/25 |
| 156-60-5 | trans-1,2-Dichloroethene | 50 | 46.5 | 93 | 47.2 | 94 | 1 | 71-123/25 |
| 78-87-5 | 1,2-Dichloropropane | 50 | 47.6 | 95 | 50.6 | 101 | 6 | 78-121/25 |
| 142-28-9 | 1,3-Dichloropropane | 50 | 46.0 | 92 | 47.1 | 94 | 2 | 78-122/25 |
| 594-20-7 | 2,2-Dichloropropane | 50 | 27.6 | 55 | 28.4 | 57 | 3 | 54-150/25 |
| 563-58-6 | 1,1-Dichloropropene | 50 | 48.1 | 96 | 50.6 | 101 | 5 | 76-125/25 |

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| MSP589-BS | P17198.D | 1 | 04/26/07 | AMY | n/a | n/a | MSP589 |
| MSP589-BSD | P17199.D | 1 | 04/26/07 | AMY | n/a | n/a | MSP589 |



**The QC reported here applies to the following samples:** **Method:** SW846 8260B

M64162-1, M64162-3, M64162-4, M64162-6, M64162-13, M64162-17, M64162-19, M64162-23, M64162-25, M64162-28, M64162-30

| CAS No. | Compound | Spike ug/l | BSP ug/l | BSP % | BSD ug/l | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 10061-01-5 | cis-1,3-Dichloropropene | 50 | 40.5 | 81 | 44.8 | 90 | 10 | 76-130/25 |
| 10061-02-6 | trans-1,3-Dichloropropene | 50 | 39.0 | 78 | 41.2 | 82 | 5 | 73-128/25 |
| 123-91-1 | 1,4-Dioxane | 250 | 309 | 124 | 315 | 126 | 2 | 49-150/25 |
| 60-29-7 | Ethyl Ether | 50 | 57.1 | 114 | 59.7 | 119 | 4 | 70-140/25 |
| 100-41-4 | Ethylbenzene | 50 | 50.2 | 100 | 51.3 | 103 | 2 | 76-126/25 |
| 87-68-3 | Hexachlorobutadiene | 50 | 44.7 | 89 | 41.7 | 83 | 7 | 59-146/25 |
| 591-78-6 | 2-Hexanone | 50 | 52.4 | 105 | 52.1 | 104 | 1 | 53-144/25 |
| 98-82-8 | Isopropylbenzene | 50 | 49.5 | 99 | 49.3 | 99 | 0 | 73-125/25 |
| 99-87-6 | p-Isopropyltoluene | 50 | 47.9 | 96 | 46.0 | 92 | 4 | 74-130/25 |
| 1634-04-4 | Methyl Tert Butyl Ether | 50 | 59.0 | 118 | 60.1 | 120 | 2 | 71-130/25 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | 50 | 56.0 | 112 | 57.5 | 115 | 3 | 63-140/25 |
| 74-95-3 | Methylene bromide | 50 | 51.6 | 103 | 53.2 | 106 | 3 | 75-127/25 |
| 75-09-2 | Methylene chloride | 50 | 58.8 | 118 | 59.8 | 120 | 2 | 70-128/25 |
| 91-20-3 | Naphthalene | 50 | 56.1 | 112 | 54.4 | 109 | 3 | 64-139/25 |
| 103-65-1 | n-Propylbenzene | 50 | 51.0 | 102 | 50.1 | 100 | 2 | 73-127/25 |
| 100-42-5 | Styrene | 50 | 48.2 | 96 | 49.6 | 99 | 3 | 76-124/25 |
| 994-05-8 | tert-Amyl Methyl Ether | 50 | 51.4 | 103 | 54.1 | 108 | 5 | 70-130/25 |
| 637-92-3 | tert-Butyl Ethyl Ether | 50 | 43.8 | 88 | 45.9 | 92 | 5 | 70-143/25 |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | 50 | 52.4 | 105 | 53.0 | 106 | 1 | 76-126/25 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 50 | 45.5 | 91 | 45.9 | 92 | 1 | 64-142/25 |
| 127-18-4 | Tetrachloroethene | 50 | 45.5 | 91 | 46.9 | 94 | 3 | 64-130/25 |
| 109-99-9 | Tetrahydrofuran | 50 | 59.4 | 119 | 55.9 | 112 | 6 | 53-143/25 |
| 108-88-3 | Toluene | 50 | 48.7 | 97 | 51.3 | 103 | 5 | 77-120/25 |
| 87-61-6 | 1,2,3-Trichlorobenzene | 50 | 52.1 | 104 | 47.9 | 96 | 8 | 70-130/25 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 50 | 52.7 | 105 | 49.4 | 99 | 6 | 70-136/25 |
| 71-55-6 | 1,1,1-Trichloroethane | 50 | 49.0 | 98 | 50.9 | 102 | 4 | 72-130/25 |
| 79-00-5 | 1,1,2-Trichloroethane | 50 | 48.9 | 98 | 50.4 | 101 | 3 | 80-120/25 |
| 79-01-6 | Trichloroethene | 50 | 49.5 | 99 | 49.9 | 100 | 1 | 70-129/25 |
| 75-69-4 | Trichlorofluoromethane | 50 | 54.5 | 109 | 55.8 | 112 | 2 | 53-150/25 |
| 96-18-4 | 1,2,3-Trichloropropane | 50 | 46.9 | 94 | 46.5 | 93 | 1 | 75-130/25 |
| 95-63-6 | 1,2,4-Trimethylbenzene | 50 | 52.6 | 105 | 51.5 | 103 | 2 | 76-127/25 |
| 108-67-8 | 1,3,5-Trimethylbenzene | 50 | 51.6 | 103 | 51.8 | 104 | 0 | 75-128/25 |
| 75-01-4 | Vinyl chloride | 50 | 43.8 | 88 | 44.9 | 90 | 2 | 46-150/25 |
| | m,p-Xylene | 100 | 101 | 101 | 106 | 106 | 5 | 72-129/25 |
| 95-47-6 | o-Xylene | 50 | 52.6 | 105 | 54.2 | 108 | 3 | 73-127/25 |
| 1330-20-7 | Xylene (total) | 150 | 154 | 103 | 160 | 107 | 4 | 72-128/25 |

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| MSP589-BS | P17198.D | 1 | 04/26/07 | AMY | n/a | n/a | MSP589 |
| MSP589-BSD | P17199.D | 1 | 04/26/07 | AMY | n/a | n/a | MSP589 |

**The QC reported here applies to the following samples:** **Method:** SW846 8260B

M64162-1, M64162-3, M64162-4, M64162-6, M64162-13, M64162-17, M64162-19, M64162-23, M64162-25, M64162-28, M64162-30

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 103% | 106% | 84-129% |
| 2037-26-5 | Toluene-D8 | 99% | 101% | 80-120% |
| 460-00-4 | 4-Bromofluorobenzene | 99% | 98% | 82-118% |

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| MSN683-BS | N18882.D | 1 | 04/26/07 | AT | n/a | n/a | MSN683 |
| MSN683-BSD | N18883.D | 1 | 04/26/07 | AT | n/a | n/a | MSN683 |



**The QC reported here applies to the following samples:** **Method:** SW846 8260B

M64162-18

| CAS No. | Compound | Spike ug/l | BSP ug/l | BSP % | BSD ug/l | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | 50 | 68.1 | 136 | 67.1 | 134 | 1 | 30-150/25 |
| 71-43-2 | Benzene | 50 | 52.1 | 104 | 50.9 | 102 | 2 | 77-120/25 |
| 108-86-1 | Bromobenzene | 50 | 45.3 | 91 | 44.8 | 90 | 1 | 70-120/25 |
| 74-97-5 | Bromochloromethane | 50 | 56.6 | 113 | 55.4 | 111 | 2 | 72-126/25 |
| 75-27-4 | Bromodichloromethane | 50 | 55.6 | 111 | 55.3 | 111 | 1 | 76-128/25 |
| 75-25-2 | Bromoform | 50 | 46.1 | 92 | 46.4 | 93 | 1 | 70-130/25 |
| 74-83-9 | Bromomethane | 50 | 60.7 | 121 | 58.0 | 116 | 5 | 54-147/25 |
| 78-93-3 | 2-Butanone (MEK) | 50 | 64.6 | 129 | 62.3 | 125 | 4 | 50-147/25 |
| 104-51-8 | n-Butylbenzene | 50 | 51.0 | 102 | 50.5 | 101 | 1 | 72-137/25 |
| 135-98-8 | sec-Butylbenzene | 50 | 50.8 | 102 | 51.4 | 103 | 1 | 73-129/25 |
| 98-06-6 | tert-Butylbenzene | 50 | 53.4 | 107 | 52.3 | 105 | 2 | 71-129/25 |
| 75-15-0 | Carbon disulfide | 50 | 66.6 | 133 | 66.5 | 133 | 0 | 52-150/25 |
| 56-23-5 | Carbon tetrachloride | 50 | 57.2 | 114 | 55.8 | 112 | 2 | 70-143/25 |
| 108-90-7 | Chlorobenzene | 50 | 44.3 | 89 | 44.5 | 89 | 0 | 72-120/25 |
| 75-00-3 | Chloroethane | 50 | 65.4 | 131 | 62.2 | 124 | 5 | 51-151/25 |
| 67-66-3 | Chloroform | 50 | 57.5 | 115 | 57.0 | 114 | 1 | 75-124/25 |
| 74-87-3 | Chloromethane | 50 | 64.8 | 130 | 62.8 | 126 | 3 | 35-150/25 |
| 95-49-8 | o-Chlorotoluene | 50 | 49.7 | 99 | 50.0 | 100 | 1 | 76-123/25 |
| 106-43-4 | p-Chlorotoluene | 50 | 48.9 | 98 | 48.6 | 97 | 1 | 76-124/25 |
| 108-20-3 | Di-Isopropyl ether | 50 | 55.3 | 111 | 55.1 | 110 | 0 | 70-142/25 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 50 | 58.4 | 117 | 61.7 | 123 | 5 | 59-138/25 |
| 124-48-1 | Dibromochloromethane | 50 | 49.4 | 99 | 49.1 | 98 | 1 | 79-127/25 |
| 106-93-4 | 1,2-Dibromoethane | 50 | 48.8 | 98 | 49.4 | 99 | 1 | 74-125/25 |
| 95-50-1 | 1,2-Dichlorobenzene | 50 | 46.3 | 93 | 46.6 | 93 | 1 | 79-120/25 |
| 541-73-1 | 1,3-Dichlorobenzene | 50 | 48.7 | 97 | 47.5 | 95 | 2 | 76-121/25 |
| 106-46-7 | 1,4-Dichlorobenzene | 50 | 50.5 | 101 | 51.0 | 102 | 1 | 75-120/25 |
| 75-71-8 | Dichlorodifluoromethane | 50 | 82.1 | 164* [a] | 78.0 | 156* [a] | 5 | 10-150/25 |
| 75-34-3 | 1,1-Dichloroethane | 50 | 57.9 | 116 | 57.1 | 114 | 1 | 73-126/25 |
| 107-06-2 | 1,2-Dichloroethane | 50 | 58.7 | 117 | 58.0 | 116 | 1 | 65-137/25 |
| 75-35-4 | 1,1-Dichloroethene | 50 | 54.4 | 109 | 53.1 | 106 | 2 | 64-128/25 |
| 156-59-2 | cis-1,2-Dichloroethene | 50 | 48.0 | 96 | 48.3 | 97 | 1 | 73-122/25 |
| 156-60-5 | trans-1,2-Dichloroethene | 50 | 51.8 | 104 | 52.3 | 105 | 1 | 71-123/25 |
| 78-87-5 | 1,2-Dichloropropane | 50 | 53.7 | 107 | 52.1 | 104 | 3 | 78-121/25 |
| 142-28-9 | 1,3-Dichloropropane | 50 | 50.5 | 101 | 50.1 | 100 | 1 | 78-122/25 |
| 594-20-7 | 2,2-Dichloropropane | 50 | 64.3 | 129 | 62.7 | 125 | 3 | 54-150/25 |
| 563-58-6 | 1,1-Dichloropropene | 50 | 54.1 | 108 | 53.9 | 108 | 0 | 76-125/25 |

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| MSN683-BS | N18882.D | 1 | 04/26/07 | AT | n/a | n/a | MSN683 |
| MSN683-BSD | N18883.D | 1 | 04/26/07 | AT | n/a | n/a | MSN683 |



**The QC reported here applies to the following samples:** **Method:** SW846 8260B

M64162-18

| CAS No. | Compound | Spike ug/l | BSP ug/l | BSP % | BSD ug/l | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 10061-01-5 | cis-1,3-Dichloropropene | 50 | 56.1 | 112 | 55.5 | 111 | 1 | 76-130/25 |
| 10061-02-6 | trans-1,3-Dichloropropene | 50 | 57.9 | 116 | 57.0 | 114 | 2 | 73-128/25 |
| 123-91-1 | 1,4-Dioxane | 250 | 253 | 101 | 282 | 113 | 11 | 49-150/25 |
| 60-29-7 | Ethyl Ether | 50 | 54.6 | 109 | 53.2 | 106 | 3 | 70-140/25 |
| 100-41-4 | Ethylbenzene | 50 | 48.0 | 96 | 47.7 | 95 | 1 | 76-126/25 |
| 87-68-3 | Hexachlorobutadiene | 50 | 49.3 | 99 | 48.6 | 97 | 1 | 59-146/25 |
| 591-78-6 | 2-Hexanone | 50 | 59.8 | 120 | 61.7 | 123 | 3 | 53-144/25 |
| 98-82-8 | Isopropylbenzene | 50 | 51.7 | 103 | 51.6 | 103 | 0 | 73-125/25 |
| 99-87-6 | p-Isopropyltoluene | 50 | 49.5 | 99 | 49.1 | 98 | 1 | 74-130/25 |
| 1634-04-4 | Methyl Tert Butyl Ether | 50 | 58.5 | 117 | 59.4 | 119 | 2 | 71-130/25 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | 50 | 64.1 | 128 | 65.3 | 131 | 2 | 63-140/25 |
| 74-95-3 | Methylene bromide | 50 | 54.3 | 109 | 53.4 | 107 | 2 | 75-127/25 |
| 75-09-2 | Methylene chloride | 50 | 55.1 | 110 | 54.2 | 108 | 2 | 70-128/25 |
| 91-20-3 | Naphthalene | 50 | 54.2 | 108 | 54.9 | 110 | 1 | 64-139/25 |
| 103-65-1 | n-Propylbenzene | 50 | 51.4 | 103 | 50.9 | 102 | 1 | 73-127/25 |
| 100-42-5 | Styrene | 50 | 48.5 | 97 | 48.1 | 96 | 1 | 76-124/25 |
| 994-05-8 | tert-Amyl Methyl Ether | 50 | 50.7 | 101 | 51.2 | 102 | 1 | 70-130/25 |
| 637-92-3 | tert-Butyl Ethyl Ether | 50 | 56.9 | 114 | 56.3 | 113 | 1 | 70-143/25 |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | 50 | 49.5 | 99 | 48.4 | 97 | 2 | 76-126/25 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 50 | 55.1 | 110 | 55.5 | 111 | 1 | 64-142/25 |
| 127-18-4 | Tetrachloroethene | 50 | 45.1 | 90 | 44.4 | 89 | 2 | 64-130/25 |
| 109-99-9 | Tetrahydrofuran | 50 | 64.9 | 130 | 67.9 | 136 | 5 | 53-143/25 |
| 108-88-3 | Toluene | 50 | 49.6 | 99 | 49.2 | 98 | 1 | 77-120/25 |
| 87-61-6 | 1,2,3-Trichlorobenzene | 50 | 53.0 | 106 | 52.7 | 105 | 1 | 70-130/25 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 50 | 48.7 | 97 | 48.3 | 97 | 1 | 70-136/25 |
| 71-55-6 | 1,1,1-Trichloroethane | 50 | 62.8 | 126 | 62.8 | 126 | 0 | 72-130/25 |
| 79-00-5 | 1,1,2-Trichloroethane | 50 | 53.3 | 107 | 52.3 | 105 | 2 | 80-120/25 |
| 79-01-6 | Trichloroethene | 50 | 52.3 | 105 | 52.0 | 104 | 1 | 70-129/25 |
| 75-69-4 | Trichlorofluoromethane | 50 | 62.2 | 124 | 60.7 | 121 | 2 | 53-150/25 |
| 96-18-4 | 1,2,3-Trichloropropane | 50 | 57.3 | 115 | 57.4 | 115 | 0 | 75-130/25 |
| 95-63-6 | 1,2,4-Trimethylbenzene | 50 | 51.4 | 103 | 51.6 | 103 | 0 | 76-127/25 |
| 108-67-8 | 1,3,5-Trimethylbenzene | 50 | 51.1 | 102 | 51.5 | 103 | 1 | 75-128/25 |
| 75-01-4 | Vinyl chloride | 50 | 68.7 | 137 | 66.5 | 133 | 3 | 46-150/25 |
| | m,p-Xylene | 100 | 94.3 | 94 | 94.5 | 95 | 0 | 72-129/25 |
| 95-47-6 | o-Xylene | 50 | 47.3 | 95 | 47.1 | 94 | 0 | 73-127/25 |
| 1330-20-7 | Xylene (total) | 150 | 142 | 95 | 142 | 95 | 0 | 72-128/25 |

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| MSN683-BS | N18882.D | 1 | 04/26/07 | AT | n/a | n/a | MSN683 |
| MSN683-BSD | N18883.D | 1 | 04/26/07 | AT | n/a | n/a | MSN683 |

**The QC reported here applies to the following samples:** **Method:** SW846 8260B

M64162-18

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 109% | 108% | 84-129% |
| 2037-26-5 | Toluene-D8 | 99% | 101% | 80-120% |
| 460-00-4 | 4-Bromofluorobenzene | 101% | 101% | 82-118% |

(a) Outside control limits. Associated samples are non-detect for this compound.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| MSN684-BS | N18910.D | 1 | 04/27/07 | AT | n/a | n/a | MSN684 |
| MSN684-BSD | N18909.D | 1 | 04/27/07 | AT | n/a | n/a | MSN684 |



**The QC reported here applies to the following samples:** **Method:** SW846 8260B

M64162-1, M64162-2, M64162-6, M64162-7, M64162-14, M64162-15, M64162-28

| CAS No. | Compound | Spike ug/l | BSP ug/l | BSP % | BSD ug/l | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | 50 | 60.2 | 120 | 56.4 | 113 | 7 | 30-150/25 |
| 71-43-2 | Benzene | 50 | 51.5 | 103 | 55.1 | 110 | 7 | 77-120/25 |
| 108-86-1 | Bromobenzene | 50 | 45.7 | 91 | 45.7 | 91 | 0 | 70-120/25 |
| 74-97-5 | Bromochloromethane | 50 | 53.0 | 106 | 56.0 | 112 | 6 | 72-126/25 |
| 75-27-4 | Bromodichloromethane | 50 | 55.0 | 110 | 57.1 | 114 | 4 | 76-128/25 |
| 75-25-2 | Bromoform | 50 | 44.9 | 90 | 45.6 | 91 | 2 | 70-130/25 |
| 74-83-9 | Bromomethane | 50 | 66.3 | 133 | 67.5 | 135 | 2 | 54-147/25 |
| 78-93-3 | 2-Butanone (MEK) | 50 | 58.7 | 117 | 57.5 | 115 | 2 | 50-147/25 |
| 104-51-8 | n-Butylbenzene | 50 | 52.2 | 104 | 54.3 | 109 | 4 | 72-137/25 |
| 135-98-8 | sec-Butylbenzene | 50 | 52.4 | 105 | 53.5 | 107 | 2 | 73-129/25 |
| 98-06-6 | tert-Butylbenzene | 50 | 54.4 | 109 | 55.7 | 111 | 2 | 71-129/25 |
| 75-15-0 | Carbon disulfide | 50 | 66.8 | 134 | 70.4 | 141 | 5 | 52-150/25 |
| 56-23-5 | Carbon tetrachloride | 50 | 59.3 | 119 | 63.0 | 126 | 6 | 70-143/25 |
| 108-90-7 | Chlorobenzene | 50 | 43.6 | 87 | 44.9 | 90 | 3 | 72-120/25 |
| 75-00-3 | Chloroethane | 50 | 69.6 | 139 | 75.2 | 150 | 8 | 51-151/25 |
| 67-66-3 | Chloroform | 50 | 57.3 | 115 | 61.2 | 122 | 7 | 75-124/25 |
| 74-87-3 | Chloromethane | 50 | 67.6 | 135 | 72.7 | 145 | 7 | 35-150/25 |
| 95-49-8 | o-Chlorotoluene | 50 | 49.8 | 100 | 50.2 | 100 | 1 | 76-123/25 |
| 106-43-4 | p-Chlorotoluene | 50 | 49.7 | 99 | 50.5 | 101 | 2 | 76-124/25 |
| 108-20-3 | Di-Isopropyl ether | 50 | 55.8 | 112 | 58.8 | 118 | 5 | 70-142/25 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 50 | 56.3 | 113 | 53.8 | 108 | 5 | 59-138/25 |
| 124-48-1 | Dibromochloromethane | 50 | 49.4 | 99 | 50.4 | 101 | 2 | 79-127/25 |
| 106-93-4 | 1,2-Dibromoethane | 50 | 48.4 | 97 | 47.7 | 95 | 1 | 74-125/25 |
| 95-50-1 | 1,2-Dichlorobenzene | 50 | 46.7 | 93 | 47.0 | 94 | 1 | 79-120/25 |
| 541-73-1 | 1,3-Dichlorobenzene | 50 | 48.4 | 97 | 49.0 | 98 | 1 | 76-121/25 |
| 106-46-7 | 1,4-Dichlorobenzene | 50 | 51.1 | 102 | 51.6 | 103 | 1 | 75-120/25 |
| 75-71-8 | Dichlorodifluoromethane | 50 | 81.4 | 163* [a] | 89.6 | 179* [a] | 10 | 10-150/25 |
| 75-34-3 | 1,1-Dichloroethane | 50 | 57.5 | 115 | 62.3 | 125 | 8 | 73-126/25 |
| 107-06-2 | 1,2-Dichloroethane | 50 | 59.3 | 119 | 61.6 | 123 | 4 | 65-137/25 |
| 75-35-4 | 1,1-Dichloroethene | 50 | 53.2 | 106 | 56.4 | 113 | 6 | 64-128/25 |
| 156-59-2 | cis-1,2-Dichloroethene | 50 | 49.5 | 99 | 51.5 | 103 | 4 | 73-122/25 |
| 156-60-5 | trans-1,2-Dichloroethene | 50 | 52.8 | 106 | 55.9 | 112 | 6 | 71-123/25 |
| 78-87-5 | 1,2-Dichloropropane | 50 | 53.6 | 107 | 55.6 | 111 | 4 | 78-121/25 |
| 142-28-9 | 1,3-Dichloropropane | 50 | 51.5 | 103 | 52.3 | 105 | 2 | 78-122/25 |
| 594-20-7 | 2,2-Dichloropropane | 50 | 65.5 | 131 | 71.3 | 143 | 8 | 54-150/25 |
| 563-58-6 | 1,1-Dichloropropene | 50 | 54.0 | 108 | 57.4 | 115 | 6 | 76-125/25 |

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| MSN684-BS | N18910.D | 1 | 04/27/07 | AT | n/a | n/a | MSN684 |
| MSN684-BSD | N18909.D | 1 | 04/27/07 | AT | n/a | n/a | MSN684 |



**The QC reported here applies to the following samples:** **Method:** SW846 8260B

M64162-1, M64162-2, M64162-6, M64162-7, M64162-14, M64162-15, M64162-28

| CAS No. | Compound | Spike ug/l | BSP ug/l | BSP % | BSD ug/l | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 10061-01-5 | cis-1,3-Dichloropropene | 50 | 56.3 | 113 | 58.9 | 118 | 5 | 76-130/25 |
| 10061-02-6 | trans-1,3-Dichloropropene | 50 | 57.1 | 114 | 59.1 | 118 | 3 | 73-128/25 |
| 123-91-1 | 1,4-Dioxane | 250 | 227 | 91 | 222 | 89 | 2 | 49-150/25 |
| 60-29-7 | Ethyl Ether | 50 | 52.5 | 105 | 54.3 | 109 | 3 | 70-140/25 |
| 100-41-4 | Ethylbenzene | 50 | 48.2 | 96 | 50.3 | 101 | 4 | 76-126/25 |
| 87-68-3 | Hexachlorobutadiene | 50 | 51.2 | 102 | 52.6 | 105 | 3 | 59-146/25 |
| 591-78-6 | 2-Hexanone | 50 | 56.7 | 113 | 52.1 | 104 | 8 | 53-144/25 |
| 98-82-8 | Isopropylbenzene | 50 | 52.0 | 104 | 52.1 | 104 | 0 | 73-125/25 |
| 99-87-6 | p-Isopropyltoluene | 50 | 50.3 | 101 | 51.2 | 102 | 2 | 74-130/25 |
| 1634-04-4 | Methyl Tert Butyl Ether | 50 | 57.9 | 116 | 60.2 | 120 | 4 | 71-130/25 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | 50 | 59.2 | 118 | 56.5 | 113 | 5 | 63-140/25 |
| 74-95-3 | Methylene bromide | 50 | 54.8 | 110 | 57.0 | 114 | 4 | 75-127/25 |
| 75-09-2 | Methylene chloride | 50 | 52.9 | 106 | 58.3 | 117 | 10 | 70-128/25 |
| 91-20-3 | Naphthalene | 50 | 53.7 | 107 | 51.3 | 103 | 5 | 64-139/25 |
| 103-65-1 | n-Propylbenzene | 50 | 51.9 | 104 | 52.2 | 104 | 1 | 73-127/25 |
| 100-42-5 | Styrene | 50 | 47.8 | 96 | 49.4 | 99 | 3 | 76-124/25 |
| 994-05-8 | tert-Amyl Methyl Ether | 50 | 51.1 | 102 | 52.2 | 104 | 2 | 70-130/25 |
| 637-92-3 | tert-Butyl Ethyl Ether | 50 | 56.9 | 114 | 58.8 | 118 | 3 | 70-143/25 |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | 50 | 49.8 | 100 | 50.6 | 101 | 2 | 76-126/25 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 50 | 53.5 | 107 | 50.6 | 101 | 6 | 64-142/25 |
| 127-18-4 | Tetrachloroethene | 50 | 44.9 | 90 | 46.2 | 92 | 3 | 64-130/25 |
| 109-99-9 | Tetrahydrofuran | 50 | 60.6 | 121 | 55.3 | 111 | 9 | 53-143/25 |
| 108-88-3 | Toluene | 50 | 49.6 | 99 | 51.8 | 104 | 4 | 77-120/25 |
| 87-61-6 | 1,2,3-Trichlorobenzene | 50 | 52.8 | 106 | 53.2 | 106 | 1 | 70-130/25 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 50 | 49.4 | 99 | 49.8 | 100 | 1 | 70-136/25 |
| 71-55-6 | 1,1,1-Trichloroethane | 50 | 63.1 | 126 | 68.6 | 137* [a] | 8 | 72-130/25 |
| 79-00-5 | 1,1,2-Trichloroethane | 50 | 53.2 | 106 | 54.8 | 110 | 3 | 80-120/25 |
| 79-01-6 | Trichloroethene | 50 | 53.5 | 107 | 55.9 | 112 | 4 | 70-129/25 |
| 75-69-4 | Trichlorofluoromethane | 50 | 62.3 | 125 | 66.0 | 132 | 6 | 53-150/25 |
| 96-18-4 | 1,2,3-Trichloropropane | 50 | 54.3 | 109 | 50.7 | 101 | 7 | 75-130/25 |
| 95-63-6 | 1,2,4-Trimethylbenzene | 50 | 51.8 | 104 | 52.6 | 105 | 2 | 76-127/25 |
| 108-67-8 | 1,3,5-Trimethylbenzene | 50 | 51.3 | 103 | 52.3 | 105 | 2 | 75-128/25 |
| 75-01-4 | Vinyl chloride | 50 | 71.4 | 143 | 76.5 | 153* [a] | 7 | 46-150/25 |
| | m,p-Xylene | 100 | 95.1 | 95 | 98.1 | 98 | 3 | 72-129/25 |
| 95-47-6 | o-Xylene | 50 | 47.1 | 94 | 48.6 | 97 | 3 | 73-127/25 |
| 1330-20-7 | Xylene (total) | 150 | 142 | 95 | 147 | 98 | 3 | 72-128/25 |

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| MSN684-BS | N18910.D | 1 | 04/27/07 | AT | n/a | n/a | MSN684 |
| MSN684-BSD | N18909.D | 1 | 04/27/07 | AT | n/a | n/a | MSN684 |

**The QC reported here applies to the following samples:** **Method:** SW846 8260B

M64162-1, M64162-2, M64162-6, M64162-7, M64162-14, M64162-15, M64162-28

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 110% | 111% | 84-129% |
| 2037-26-5 | Toluene-D8 | 101% | 102% | 80-120% |
| 460-00-4 | 4-Bromofluorobenzene | 99% | 99% | 82-118% |

(a) Outside control limits. Associated samples are non-detect for this compound.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| MSG2784-BS | G69216.D | 1 | 04/27/07 | KT | n/a | n/a | MSG2784 |
| MSG2784-BSD | G69217.D | 1 | 04/27/07 | KT | n/a | n/a | MSG2784 |



**The QC reported here applies to the following samples:** **Method:** SW846 8260B

M64162-5, M64162-8, M64162-9, M64162-10, M64162-12, M64162-16

| CAS No. | Compound | Spike ug/l | BSP ug/l | BSP % | BSD ug/l | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | 50 | 46.6 | 93 | 55.4 | 111 | 17 | 30-150/25 |
| 71-43-2 | Benzene | 50 | 48.9 | 98 | 50.0 | 100 | 2 | 77-120/25 |
| 108-86-1 | Bromobenzene | 50 | 47.4 | 95 | 47.7 | 95 | 1 | 70-120/25 |
| 74-97-5 | Bromochloromethane | 50 | 48.2 | 96 | 49.0 | 98 | 2 | 72-126/25 |
| 75-27-4 | Bromodichloromethane | 50 | 46.9 | 94 | 47.4 | 95 | 1 | 76-128/25 |
| 75-25-2 | Bromoform | 50 | 47.5 | 95 | 49.2 | 98 | 4 | 70-130/25 |
| 74-83-9 | Bromomethane | 50 | 46.4 | 93 | 47.9 | 96 | 3 | 54-147/25 |
| 78-93-3 | 2-Butanone (MEK) | 50 | 47.9 | 96 | 47.9 | 96 | 0 | 50-147/25 |
| 104-51-8 | n-Butylbenzene | 50 | 51.2 | 102 | 52.3 | 105 | 2 | 72-137/25 |
| 135-98-8 | sec-Butylbenzene | 50 | 49.4 | 99 | 50.8 | 102 | 3 | 73-129/25 |
| 98-06-6 | tert-Butylbenzene | 50 | 49.1 | 98 | 50.3 | 101 | 2 | 71-129/25 |
| 75-15-0 | Carbon disulfide | 50 | 54.0 | 108 | 57.0 | 114 | 5 | 52-150/25 |
| 56-23-5 | Carbon tetrachloride | 50 | 50.2 | 100 | 52.4 | 105 | 4 | 70-143/25 |
| 108-90-7 | Chlorobenzene | 50 | 46.7 | 93 | 47.8 | 96 | 2 | 72-120/25 |
| 75-00-3 | Chloroethane | 50 | 48.8 | 98 | 51.0 | 102 | 4 | 51-151/25 |
| 67-66-3 | Chloroform | 50 | 47.8 | 96 | 48.2 | 96 | 1 | 75-124/25 |
| 74-87-3 | Chloromethane | 50 | 48.4 | 97 | 51.2 | 102 | 6 | 35-150/25 |
| 95-49-8 | o-Chlorotoluene | 50 | 47.3 | 95 | 48.3 | 97 | 2 | 76-123/25 |
| 106-43-4 | p-Chlorotoluene | 50 | 47.7 | 95 | 48.4 | 97 | 1 | 76-124/25 |
| 108-20-3 | Di-Isopropyl ether | 50 | 45.7 | 91 | 46.6 | 93 | 2 | 70-142/25 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 50 | 49.0 | 98 | 50.0 | 100 | 2 | 59-138/25 |
| 124-48-1 | Dibromochloromethane | 50 | 47.7 | 95 | 48.6 | 97 | 2 | 79-127/25 |
| 106-93-4 | 1,2-Dibromoethane | 50 | 49.9 | 100 | 50.5 | 101 | 1 | 74-125/25 |
| 95-50-1 | 1,2-Dichlorobenzene | 50 | 48.6 | 97 | 48.7 | 97 | 0 | 79-120/25 |
| 541-73-1 | 1,3-Dichlorobenzene | 50 | 47.3 | 95 | 47.7 | 95 | 1 | 76-121/25 |
| 106-46-7 | 1,4-Dichlorobenzene | 50 | 47.7 | 95 | 47.9 | 96 | 0 | 75-120/25 |
| 75-71-8 | Dichlorodifluoromethane | 50 | 38.2 | 76 | 40.7 | 81 | 6 | 10-150/25 |
| 75-34-3 | 1,1-Dichloroethane | 50 | 48.2 | 96 | 49.7 | 99 | 3 | 73-126/25 |
| 107-06-2 | 1,2-Dichloroethane | 50 | 49.1 | 98 | 49.0 | 98 | 0 | 65-137/25 |
| 75-35-4 | 1,1-Dichloroethene | 50 | 47.6 | 95 | 50.1 | 100 | 5 | 64-128/25 |
| 156-59-2 | cis-1,2-Dichloroethene | 50 | 45.4 | 91 | 46.4 | 93 | 2 | 73-122/25 |
| 156-60-5 | trans-1,2-Dichloroethene | 50 | 48.0 | 96 | 49.5 | 99 | 3 | 71-123/25 |
| 78-87-5 | 1,2-Dichloropropane | 50 | 49.3 | 99 | 50.5 | 101 | 2 | 78-121/25 |
| 142-28-9 | 1,3-Dichloropropane | 50 | 48.7 | 97 | 50.2 | 100 | 3 | 78-122/25 |
| 594-20-7 | 2,2-Dichloropropane | 50 | 54.6 | 109 | 56.3 | 113 | 3 | 54-150/25 |
| 563-58-6 | 1,1-Dichloropropene | 50 | 49.9 | 100 | 50.9 | 102 | 2 | 76-125/25 |

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| MSG2784-BS | G69216.D | 1 | 04/27/07 | KT | n/a | n/a | MSG2784 |
| MSG2784-BSD | G69217.D | 1 | 04/27/07 | KT | n/a | n/a | MSG2784 |



**The QC reported here applies to the following samples:** **Method:** SW846 8260B

M64162-5, M64162-8, M64162-9, M64162-10, M64162-12, M64162-16

| CAS No. | Compound | Spike ug/l | BSP ug/l | BSP % | BSD ug/l | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 10061-01-5 | cis-1,3-Dichloropropene | 50 | 51.4 | 103 | 53.8 | 108 | 5 | 76-130/25 |
| 10061-02-6 | trans-1,3-Dichloropropene | 50 | 52.8 | 106 | 54.8 | 110 | 4 | 73-128/25 |
| 123-91-1 | 1,4-Dioxane | 250 | 266 | 106 | 274 | 110 | 3 | 49-150/25 |
| 60-29-7 | Ethyl Ether | 50 | 46.4 | 93 | 46.9 | 94 | 1 | 70-140/25 |
| 100-41-4 | Ethylbenzene | 50 | 49.4 | 99 | 51.1 | 102 | 3 | 76-126/25 |
| 87-68-3 | Hexachlorobutadiene | 50 | 52.4 | 105 | 53.1 | 106 | 1 | 59-146/25 |
| 591-78-6 | 2-Hexanone | 50 | 51.7 | 103 | 53.5 | 107 | 3 | 53-144/25 |
| 98-82-8 | Isopropylbenzene | 50 | 48.7 | 97 | 50.0 | 100 | 3 | 73-125/25 |
| 99-87-6 | p-Isopropyltoluene | 50 | 49.4 | 99 | 50.4 | 101 | 2 | 74-130/25 |
| 1634-04-4 | Methyl Tert Butyl Ether | 50 | 50.1 | 100 | 51.1 | 102 | 2 | 71-130/25 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | 50 | 51.4 | 103 | 53.5 | 107 | 4 | 63-140/25 |
| 74-95-3 | Methylene bromide | 50 | 48.0 | 96 | 48.9 | 98 | 2 | 75-127/25 |
| 75-09-2 | Methylene chloride | 50 | 48.8 | 98 | 49.6 | 99 | 2 | 70-128/25 |
| 91-20-3 | Naphthalene | 50 | 53.2 | 106 | 53.0 | 106 | 0 | 64-139/25 |
| 103-65-1 | n-Propylbenzene | 50 | 48.5 | 97 | 49.5 | 99 | 2 | 73-127/25 |
| 100-42-5 | Styrene | 50 | 50.8 | 102 | 52.4 | 105 | 3 | 76-124/25 |
| 994-05-8 | tert-Amyl Methyl Ether | 50 | 48.7 | 97 | 49.8 | 100 | 2 | 70-130/25 |
| 637-92-3 | tert-Butyl Ethyl Ether | 50 | 47.8 | 96 | 48.6 | 97 | 2 | 70-143/25 |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | 50 | 48.5 | 97 | 49.5 | 99 | 2 | 76-126/25 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 50 | 48.9 | 98 | 49.0 | 98 | 0 | 64-142/25 |
| 127-18-4 | Tetrachloroethene | 50 | 48.5 | 97 | 50.4 | 101 | 4 | 64-130/25 |
| 109-99-9 | Tetrahydrofuran | 50 | 51.9 | 104 | 51.8 | 104 | 0 | 53-143/25 |
| 108-88-3 | Toluene | 50 | 48.6 | 97 | 50.5 | 101 | 4 | 77-120/25 |
| 87-61-6 | 1,2,3-Trichlorobenzene | 50 | 52.5 | 105 | 52.4 | 105 | 0 | 70-130/25 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 50 | 52.5 | 105 | 52.9 | 106 | 1 | 70-136/25 |
| 71-55-6 | 1,1,1-Trichloroethane | 50 | 48.6 | 97 | 50.9 | 102 | 5 | 72-130/25 |
| 79-00-5 | 1,1,2-Trichloroethane | 50 | 49.4 | 99 | 51.1 | 102 | 3 | 80-120/25 |
| 79-01-6 | Trichloroethene | 50 | 48.9 | 98 | 50.6 | 101 | 3 | 70-129/25 |
| 75-69-4 | Trichlorofluoromethane | 50 | 47.3 | 95 | 51.1 | 102 | 8 | 53-150/25 |
| 96-18-4 | 1,2,3-Trichloropropane | 50 | 46.7 | 93 | 48.9 | 98 | 5 | 75-130/25 |
| 95-63-6 | 1,2,4-Trimethylbenzene | 50 | 49.1 | 98 | 49.6 | 99 | 1 | 76-127/25 |
| 108-67-8 | 1,3,5-Trimethylbenzene | 50 | 49.2 | 98 | 49.9 | 100 | 1 | 75-128/25 |
| 75-01-4 | Vinyl chloride | 50 | 48.1 | 96 | 51.6 | 103 | 7 | 46-150/25 |
| | m,p-Xylene | 100 | 98.2 | 98 | 101 | 101 | 3 | 72-129/25 |
| 95-47-6 | o-Xylene | 50 | 48.8 | 98 | 49.9 | 100 | 2 | 73-127/25 |
| 1330-20-7 | Xylene (total) | 150 | 147 | 98 | 151 | 101 | 3 | 72-128/25 |

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| MSG2784-BS | G69216.D | 1 | 04/27/07 | KT | n/a | n/a | MSG2784 |
| MSG2784-BSD | G69217.D | 1 | 04/27/07 | KT | n/a | n/a | MSG2784 |



**The QC reported here applies to the following samples:** **Method:** SW846 8260B

M64162-5, M64162-8, M64162-9, M64162-10, M64162-12, M64162-16

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 99% | 98% | 84-129% |
| 2037-26-5 | Toluene-D8 | 100% | 101% | 80-120% |
| 460-00-4 | 4-Bromofluorobenzene | 98% | 98% | 82-118% |

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| MSG2785-BS | G69288.D | 1 | 04/30/07 | KT | n/a | n/a | MSG2785 |
| MSG2785-BSD | G69289.D | 1 | 04/30/07 | KT | n/a | n/a | MSG2785 |



**The QC reported here applies to the following samples:** **Method:** SW846 8260B

M64162-11, M64162-20, M64162-21, M64162-22, M64162-24, M64162-26, M64162-27, M64162-29

| CAS No. | Compound | Spike ug/l | BSP ug/l | BSP % | BSD ug/l | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | 50 | 78.4 | 157* [a] | 41.7 | 83 | 61* [a] | 30-150/25 |
| 71-43-2 | Benzene | 50 | 45.2 | 90 | 45.3 | 91 | 0 | 77-120/25 |
| 108-86-1 | Bromobenzene | 50 | 45.4 | 91 | 44.0 | 88 | 3 | 70-120/25 |
| 74-97-5 | Bromochloromethane | 50 | 46.5 | 93 | 45.1 | 90 | 3 | 72-126/25 |
| 75-27-4 | Bromodichloromethane | 50 | 44.5 | 89 | 42.3 | 85 | 5 | 76-128/25 |
| 75-25-2 | Bromoform | 50 | 48.4 | 97 | 45.3 | 91 | 7 | 70-130/25 |
| 74-83-9 | Bromomethane | 50 | 41.6 | 83 | 41.7 | 83 | 0 | 54-147/25 |
| 78-93-3 | 2-Butanone (MEK) | 50 | 42.9 | 86 | 32.8 | 66 | 27* [a] | 50-147/25 |
| 104-51-8 | n-Butylbenzene | 50 | 45.2 | 90 | 46.7 | 93 | 3 | 72-137/25 |
| 135-98-8 | sec-Butylbenzene | 50 | 44.3 | 89 | 45.7 | 91 | 3 | 73-129/25 |
| 98-06-6 | tert-Butylbenzene | 50 | 44.6 | 89 | 45.9 | 92 | 3 | 71-129/25 |
| 75-15-0 | Carbon disulfide | 50 | 46.1 | 92 | 48.1 | 96 | 4 | 52-150/25 |
| 56-23-5 | Carbon tetrachloride | 50 | 44.0 | 88 | 47.2 | 94 | 7 | 70-143/25 |
| 108-90-7 | Chlorobenzene | 50 | 45.8 | 92 | 45.2 | 90 | 1 | 72-120/25 |
| 75-00-3 | Chloroethane | 50 | 41.9 | 84 | 43.3 | 87 | 3 | 51-151/25 |
| 67-66-3 | Chloroform | 50 | 44.4 | 89 | 43.8 | 88 | 1 | 75-124/25 |
| 74-87-3 | Chloromethane | 50 | 42.1 | 84 | 42.2 | 84 | 0 | 35-150/25 |
| 95-49-8 | o-Chlorotoluene | 50 | 43.2 | 86 | 43.4 | 87 | 0 | 76-123/25 |
| 106-43-4 | p-Chlorotoluene | 50 | 43.4 | 87 | 43.3 | 87 | 0 | 76-124/25 |
| 108-20-3 | Di-Isopropyl ether | 50 | 41.9 | 84 | 40.3 | 81 | 4 | 70-142/25 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 50 | 44.7 | 89 | 39.1 | 78 | 13 | 59-138/25 |
| 124-48-1 | Dibromochloromethane | 50 | 47.9 | 96 | 45.7 | 91 | 5 | 79-127/25 |
| 106-93-4 | 1,2-Dibromoethane | 50 | 49.5 | 99 | 46.5 | 93 | 6 | 74-125/25 |
| 95-50-1 | 1,2-Dichlorobenzene | 50 | 46.2 | 92 | 44.7 | 89 | 3 | 79-120/25 |
| 541-73-1 | 1,3-Dichlorobenzene | 50 | 44.6 | 89 | 44.1 | 88 | 1 | 76-121/25 |
| 106-46-7 | 1,4-Dichlorobenzene | 50 | 44.3 | 89 | 44.4 | 89 | 0 | 75-120/25 |
| 75-71-8 | Dichlorodifluoromethane | 50 | 27.0 | 54 | 30.5 | 61 | 12 | 10-150/25 |
| 75-34-3 | 1,1-Dichloroethane | 50 | 43.6 | 87 | 43.4 | 87 | 0 | 73-126/25 |
| 107-06-2 | 1,2-Dichloroethane | 50 | 46.5 | 93 | 44.4 | 89 | 5 | 65-137/25 |
| 75-35-4 | 1,1-Dichloroethene | 50 | 40.6 | 81 | 43.7 | 87 | 7 | 64-128/25 |
| 156-59-2 | cis-1,2-Dichloroethene | 50 | 42.6 | 85 | 42.1 | 84 | 1 | 73-122/25 |
| 156-60-5 | trans-1,2-Dichloroethene | 50 | 43.5 | 87 | 44.5 | 89 | 2 | 71-123/25 |
| 78-87-5 | 1,2-Dichloropropane | 50 | 45.5 | 91 | 44.6 | 89 | 2 | 78-121/25 |
| 142-28-9 | 1,3-Dichloropropane | 50 | 48.4 | 97 | 46.1 | 92 | 5 | 78-122/25 |
| 594-20-7 | 2,2-Dichloropropane | 50 | 46.6 | 93 | 50.2 | 100 | 7 | 54-150/25 |
| 563-58-6 | 1,1-Dichloropropene | 50 | 44.1 | 88 | 46.2 | 92 | 5 | 76-125/25 |

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| MSG2785-BS | G69288.D | 1 | 04/30/07 | KT | n/a | n/a | MSG2785 |
| MSG2785-BSD | G69289.D | 1 | 04/30/07 | KT | n/a | n/a | MSG2785 |



**The QC reported here applies to the following samples:** **Method:** SW846 8260B

M64162-11, M64162-20, M64162-21, M64162-22, M64162-24, M64162-26, M64162-27, M64162-29

| CAS No. | Compound | Spike ug/l | BSP ug/l | BSP % | BSD ug/l | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 10061-01-5 | cis-1,3-Dichloropropene | 50 | 48.7 | 97 | 48.0 | 96 | 1 | 76-130/25 |
| 10061-02-6 | trans-1,3-Dichloropropene | 50 | 49.2 | 98 | 48.1 | 96 | 2 | 73-128/25 |
| 123-91-1 | 1,4-Dioxane | 250 | 163 | 65 | 152 | 61 | 7 | 49-150/25 |
| 60-29-7 | Ethyl Ether | 50 | 44.2 | 88 | 41.2 | 82 | 7 | 70-140/25 |
| 100-41-4 | Ethylbenzene | 50 | 46.6 | 93 | 47.3 | 95 | 1 | 76-126/25 |
| 87-68-3 | Hexachlorobutadiene | 50 | 46.5 | 93 | 48.6 | 97 | 4 | 59-146/25 |
| 591-78-6 | 2-Hexanone | 50 | 48.4 | 97 | 42.1 | 84 | 14 | 53-144/25 |
| 98-82-8 | Isopropylbenzene | 50 | 44.3 | 89 | 45.4 | 91 | 2 | 73-125/25 |
| 99-87-6 | p-Isopropyltoluene | 50 | 44.4 | 89 | 46.0 | 92 | 4 | 74-130/25 |
| 1634-04-4 | Methyl Tert Butyl Ether | 50 | 47.4 | 95 | 44.2 | 88 | 7 | 71-130/25 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | 50 | 46.1 | 92 | 41.2 | 82 | 11 | 63-140/25 |
| 74-95-3 | Methylene bromide | 50 | 46.3 | 93 | 43.7 | 87 | 6 | 75-127/25 |
| 75-09-2 | Methylene chloride | 50 | 45.3 | 91 | 43.4 | 87 | 4 | 70-128/25 |
| 91-20-3 | Naphthalene | 50 | 46.8 | 94 | 42.4 | 85 | 10 | 64-139/25 |
| 103-65-1 | n-Propylbenzene | 50 | 43.0 | 86 | 44.2 | 88 | 3 | 73-127/25 |
| 100-42-5 | Styrene | 50 | 49.3 | 99 | 48.4 | 97 | 2 | 76-124/25 |
| 994-05-8 | tert-Amyl Methyl Ether | 50 | 46.2 | 92 | 44.0 | 88 | 5 | 70-130/25 |
| 637-92-3 | tert-Butyl Ethyl Ether | 50 | 44.9 | 90 | 42.9 | 86 | 5 | 70-143/25 |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | 50 | 49.1 | 98 | 48.3 | 97 | 2 | 76-126/25 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 50 | 44.3 | 89 | 41.3 | 83 | 7 | 64-142/25 |
| 127-18-4 | Tetrachloroethene | 50 | 46.6 | 93 | 48.6 | 97 | 4 | 64-130/25 |
| 109-99-9 | Tetrahydrofuran | 50 | 45.5 | 91 | 40.2 | 80 | 12 | 53-143/25 |
| 108-88-3 | Toluene | 50 | 43.8 | 88 | 44.9 | 90 | 2 | 77-120/25 |
| 87-61-6 | 1,2,3-Trichlorobenzene | 50 | 46.3 | 93 | 44.3 | 89 | 4 | 70-130/25 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 50 | 47.4 | 95 | 46.2 | 92 | 3 | 70-136/25 |
| 71-55-6 | 1,1,1-Trichloroethane | 50 | 43.1 | 86 | 44.8 | 90 | 4 | 72-130/25 |
| 79-00-5 | 1,1,2-Trichloroethane | 50 | 45.6 | 91 | 43.8 | 88 | 4 | 80-120/25 |
| 79-01-6 | Trichloroethene | 50 | 45.2 | 90 | 46.3 | 93 | 2 | 70-129/25 |
| 75-69-4 | Trichlorofluoromethane | 50 | 39.1 | 78 | 42.4 | 85 | 8 | 53-150/25 |
| 96-18-4 | 1,2,3-Trichloropropane | 50 | 46.0 | 92 | 42.7 | 85 | 7 | 75-130/25 |
| 95-63-6 | 1,2,4-Trimethylbenzene | 50 | 45.1 | 90 | 45.2 | 90 | 0 | 76-127/25 |
| 108-67-8 | 1,3,5-Trimethylbenzene | 50 | 44.6 | 89 | 45.8 | 92 | 3 | 75-128/25 |
| 75-01-4 | Vinyl chloride | 50 | 40.3 | 81 | 42.2 | 84 | 5 | 46-150/25 |
| | m,p-Xylene | 100 | 93.3 | 93 | 94.4 | 94 | 1 | 72-129/25 |
| 95-47-6 | o-Xylene | 50 | 47.4 | 95 | 47.2 | 94 | 0 | 73-127/25 |
| 1330-20-7 | Xylene (total) | 150 | 141 | 94 | 142 | 95 | 1 | 72-128/25 |

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| MSG2785-BS | G69288.D | 1 | 04/30/07 | KT | n/a | n/a | MSG2785 |
| MSG2785-BSD | G69289.D | 1 | 04/30/07 | KT | n/a | n/a | MSG2785 |



**The QC reported here applies to the following samples:** **Method:** SW846 8260B

M64162-11, M64162-20, M64162-21, M64162-22, M64162-24, M64162-26, M64162-27, M64162-29

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 97% | 97% | 84-129% |
| 2037-26-5 | Toluene-D8 | 96% | 97% | 80-120% |
| 460-00-4 | 4-Bromofluorobenzene | 95% | 95% | 82-118% |

(a) Outside control limits. Associated samples are non-detect for this compound.

# Matrix Spike/Matrix Spike Duplicate Summary



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| M64073-9MS | N18892.D | 5 | 04/26/07 | AT | n/a | n/a | MSN683 |
| M64073-9MSD | N18893.D | 5 | 04/26/07 | AT | n/a | n/a | MSN683 |
| M64073-9 | N18890.D | 1 | 04/26/07 | AT | n/a | n/a | MSN683 |



**The QC reported here applies to the following samples:** **Method:** SW846 8260B

M64162-18

| CAS No. | Compound | M64073-9 ug/l | Q | Spike ug/l | MS ug/l | MS % | MSD ug/l | MSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | | 250 | 325 | 130 | 340 | 136 | 5 | 20-150/30 |
| 71-43-2 | Benzene | ND | | 250 | 267 | 107 | 272 | 109 | 2 | 70-130/30 |
| 108-86-1 | Bromobenzene | ND | | 250 | 228 | 91 | 228 | 91 | 0 | 74-120/30 |
| 74-97-5 | Bromochloromethane | ND | | 250 | 286 | 114 | 294 | 118 | 3 | 70-130/30 |
| 75-27-4 | Bromodichloromethane | ND | | 250 | 288 | 115 | 284 | 114 | 1 | 71-135/30 |
| 75-25-2 | Bromoform | ND | | 250 | 234 | 94 | 243 | 97 | 4 | 60-128/30 |
| 74-83-9 | Bromomethane | ND | | 250 | 290 | 116 | 342 | 137 | 16 | 31-150/30 |
| 78-93-3 | 2-Butanone (MEK) | ND | | 250 | 302 | 121 | 320 | 128 | 6 | 46-151/30 |
| 104-51-8 | n-Butylbenzene | ND | | 250 | 269 | 108 | 265 | 106 | 1 | 64-139/30 |
| 135-98-8 | sec-Butylbenzene | ND | | 250 | 267 | 107 | 265 | 106 | 1 | 70-127/30 |
| 98-06-6 | tert-Butylbenzene | ND | | 250 | 281 | 112 | 275 | 110 | 2 | 66-130/30 |
| 75-15-0 | Carbon disulfide | ND | | 250 | 364 | 146 | 366 | 146 | 1 | 45-150/30 |
| 56-23-5 | Carbon tetrachloride | ND | | 250 | 314 | 126 | 312 | 125 | 1 | 60-153/30 |
| 108-90-7 | Chlorobenzene | ND | | 250 | 227 | 91 | 231 | 92 | 2 | 70-122/30 |
| 75-00-3 | Chloroethane | ND | | 250 | 364 | 146 | 380 | 152 | 4 | 50-161/30 |
| 67-66-3 | Chloroform | ND | | 250 | 311 | 124 | 314 | 126 | 1 | 73-130/30 |
| 74-87-3 | Chloromethane | ND | | 250 | 313 | 125 | 370 | 148 | 17 | 31-150/30 |
| 95-49-8 | o-Chlorotoluene | ND | | 250 | 252 | 101 | 250 | 100 | 1 | 55-149/30 |
| 106-43-4 | p-Chlorotoluene | ND | | 250 | 254 | 102 | 252 | 101 | 1 | 71-125/30 |
| 108-20-3 | Di-Isopropyl ether | ND | | 250 | 297 | 119 | 300 | 120 | 1 | 70-150/30 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | | 250 | 297 | 119 | 310 | 124 | 4 | 55-142/30 |
| 124-48-1 | Dibromochloromethane | ND | | 250 | 251 | 100 | 262 | 105 | 4 | 72-128/30 |
| 106-93-4 | 1,2-Dibromoethane | ND | | 250 | 248 | 99 | 253 | 101 | 2 | 70-128/30 |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | 250 | 238 | 95 | 240 | 96 | 1 | 75-120/30 |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | 250 | 243 | 97 | 244 | 98 | 0 | 72-120/30 |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | 250 | 262 | 105 | 259 | 104 | 1 | 71-120/30 |
| 75-71-8 | Dichlorodifluoromethane | ND | | 250 | 456 | 182* [a] | 473 | 189* [a] | 4 | 10-150/30 |
| 75-34-3 | 1,1-Dichloroethane | ND | | 250 | 314 | 126 | 308 | 123 | 2 | 70-130/30 |
| 107-06-2 | 1,2-Dichloroethane | ND | | 250 | 320 | 128 | 313 | 125 | 2 | 61-147/30 |
| 75-35-4 | 1,1-Dichloroethene | ND | | 250 | 286 | 114 | 294 | 118 | 3 | 60-136/30 |
| 156-59-2 | cis-1,2-Dichloroethene | ND | | 250 | 259 | 104 | 264 | 106 | 2 | 70-130/30 |
| 156-60-5 | trans-1,2-Dichloroethene | ND | | 250 | 278 | 111 | 277 | 111 | 0 | 70-127/30 |
| 78-87-5 | 1,2-Dichloropropane | ND | | 250 | 276 | 110 | 279 | 112 | 1 | 76-126/30 |
| 142-28-9 | 1,3-Dichloropropane | ND | | 250 | 267 | 107 | 268 | 107 | 0 | 75-125/30 |
| 594-20-7 | 2,2-Dichloropropane | ND | | 250 | 342 | 137 | 331 | 132 | 3 | 37-150/30 |
| 563-58-6 | 1,1-Dichloropropene | ND | | 250 | 287 | 115 | 283 | 113 | 1 | 71-130/30 |

# Matrix Spike/Matrix Spike Duplicate Summary



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| M64073-9MS | N18892.D | 5 | 04/26/07 | AT | n/a | n/a | MSN683 |
| M64073-9MSD | N18893.D | 5 | 04/26/07 | AT | n/a | n/a | MSN683 |
| M64073-9 | N18890.D | 1 | 04/26/07 | AT | n/a | n/a | MSN683 |



**The QC reported here applies to the following samples:** **Method:** SW846 8260B

M64162-18

| CAS No. | Compound | M64073-9 ug/l | Q | Spike ug/l | MS ug/l | MS % | MSD ug/l | MSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| 10061-01-5 | cis-1,3-Dichloropropene | ND | | 250 | 283 | 113 | 283 | 113 | 0 | 70-130/30 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | | 250 | 296 | 118 | 290 | 116 | 2 | 65-131/30 |
| 123-91-1 | 1,4-Dioxane | ND | | 1250 | 1280 | 102 | 1420 | 114 | 10 | 44-150/30 |
| 60-29-7 | Ethyl Ether | ND | | 250 | 276 | 110 | 285 | 114 | 3 | 70-145/30 |
| 100-41-4 | Ethylbenzene | ND | | 250 | 253 | 101 | 256 | 102 | 1 | 60-137/30 |
| 87-68-3 | Hexachlorobutadiene | ND | | 250 | 257 | 103 | 258 | 103 | 0 | 45-134/30 |
| 591-78-6 | 2-Hexanone | ND | | 250 | 295 | 118 | 308 | 123 | 4 | 49-143/30 |
| 98-82-8 | Isopropylbenzene | ND | | 250 | 263 | 105 | 261 | 104 | 1 | 70-128/30 |
| 99-87-6 | p-Isopropyltoluene | ND | | 250 | 257 | 103 | 254 | 102 | 1 | 70-129/30 |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | | 250 | 297 | 119 | 315 | 126 | 6 | 60-143/30 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | | 250 | 320 | 128 | 328 | 131 | 2 | 60-144/30 |
| 74-95-3 | Methylene bromide | ND | | 250 | 284 | 114 | 285 | 114 | 0 | 73-130/30 |
| 75-09-2 | Methylene chloride | ND | | 250 | 298 | 119 | 299 | 120 | 0 | 70-135/30 |
| 91-20-3 | Naphthalene | ND | | 250 | 265 | 106 | 279 | 112 | 5 | 50-141/30 |
| 103-65-1 | n-Propylbenzene | ND | | 250 | 263 | 105 | 261 | 104 | 1 | 64-133/30 |
| 100-42-5 | Styrene | ND | | 250 | 252 | 101 | 252 | 101 | 0 | 57-133/30 |
| 994-05-8 | tert-Amyl Methyl Ether | ND | | 250 | 248 | 99 | 254 | 102 | 2 | 61-137/30 |
| 637-92-3 | tert-Butyl Ethyl Ether | ND | | 250 | 294 | 118 | 304 | 122 | 3 | 63-150/30 |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | | 250 | 258 | 103 | 257 | 103 | 0 | 73-126/30 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | 250 | 278 | 111 | 279 | 112 | 0 | 63-145/30 |
| 127-18-4 | Tetrachloroethene | ND | | 250 | 232 | 93 | 233 | 93 | 0 | 58-133/30 |
| 109-99-9 | Tetrahydrofuran | ND | | 250 | 323 | 129 | 346 | 138 | 7 | 42-150/30 |
| 108-88-3 | Toluene | ND | | 250 | 265 | 106 | 260 | 104 | 2 | 64-130/30 |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | | 250 | 258 | 103 | 267 | 107 | 3 | 55-127/30 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | 250 | 242 | 97 | 246 | 98 | 2 | 56-130/30 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | 250 | 351 | 140 | 343 | 137 | 2 | 70-142/30 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | 250 | 273 | 109 | 272 | 109 | 0 | 78-124/30 |
| 79-01-6 | Trichloroethene | ND | | 250 | 275 | 110 | 274 | 110 | 0 | 65-130/30 |
| 75-69-4 | Trichlorofluoromethane | ND | | 250 | 337 | 135 | 338 | 135 | 0 | 46-150/30 |
| 96-18-4 | 1,2,3-Trichloropropane | ND | | 250 | 275 | 110 | 284 | 114 | 3 | 70-130/30 |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | | 250 | 263 | 105 | 257 | 103 | 2 | 52-143/30 |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | | 250 | 262 | 105 | 261 | 104 | 0 | 58-138/30 |
| 75-01-4 | Vinyl chloride | ND | | 250 | 345 | 138 | 375 | 150 | 8 | 40-150/30 |
| | m,p-Xylene | ND | | 500 | 494 | 99 | 501 | 100 | 1 | 51-144/30 |
| 95-47-6 | o-Xylene | ND | | 250 | 253 | 101 | 253 | 101 | 0 | 58-138/30 |
| 1330-20-7 | Xylene (total) | ND | | 750 | 747 | 100 | 754 | 101 | 1 | 52-142/30 |

# Matrix Spike/Matrix Spike Duplicate Summary



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| M64073-9MS | N18892.D | 5 | 04/26/07 | AT | n/a | n/a | MSN683 |
| M64073-9MSD | N18893.D | 5 | 04/26/07 | AT | n/a | n/a | MSN683 |
| M64073-9 | N18890.D | 1 | 04/26/07 | AT | n/a | n/a | MSN683 |

**The QC reported here applies to the following samples:** **Method:** SW846 8260B

M64162-18

| CAS No. | Surrogate Recoveries | MS | MSD | M64073-9 | Limits |
|---|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 115% | 117% | 117% | 84-129% |
| 2037-26-5 | Toluene-D8 | 104% | 102% | 103% | 80-120% |
| 460-00-4 | 4-Bromofluorobenzene | 99% | 99% | 109% | 82-118% |

(a) Outside control limits. Associated samples are non-detect for this compound.

# Matrix Spike/Matrix Spike Duplicate Summary



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| M64162-13MS | P17217.D | 5 | 04/26/07 | AMY | n/a | n/a | MSP589 |
| M64162-13MSD | P17218.D | 5 | 04/26/07 | AMY | n/a | n/a | MSP589 |
| M64162-13 | P17203.D | 1 | 04/26/07 | AMY | n/a | n/a | MSP589 |



**The QC reported here applies to the following samples:** **Method:** SW846 8260B

M64162-1, M64162-3, M64162-4, M64162-6, M64162-13, M64162-17, M64162-19, M64162-23, M64162-25, M64162-28, M64162-30

| CAS No. | Compound | M64162-13 ug/l | Q | Spike ug/l | MS ug/l | MS % | MSD ug/l | MSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | 3.8 | J | 250 | 268 | 106 | 313 | 124 | 15 | 20-150/30 |
| 71-43-2 | Benzene | ND | | 250 | 226 | 90 | 248 | 99 | 9 | 70-130/30 |
| 108-86-1 | Bromobenzene | ND | | 250 | 213 | 85 | 237 | 95 | 11 | 74-120/30 |
| 74-97-5 | Bromochloromethane | ND | | 250 | 238 | 95 | 267 | 107 | 11 | 70-130/30 |
| 75-27-4 | Bromodichloromethane | ND | | 250 | 283 | 113 | 304 | 122 | 7 | 71-135/30 |
| 75-25-2 | Bromoform | ND | | 250 | 206 | 82 | 229 | 92 | 11 | 60-128/30 |
| 74-83-9 | Bromomethane | ND | | 250 | 180 | 72 | 214 | 86 | 17 | 31-150/30 |
| 78-93-3 | 2-Butanone (MEK) | ND | | 250 | 224 | 90 | 266 | 106 | 17 | 46-151/30 |
| 104-51-8 | n-Butylbenzene | ND | | 250 | 212 | 85 | 242 | 97 | 13 | 64-139/30 |
| 135-98-8 | sec-Butylbenzene | ND | | 250 | 224 | 90 | 256 | 102 | 13 | 70-127/30 |
| 98-06-6 | tert-Butylbenzene | ND | | 250 | 230 | 92 | 266 | 106 | 15 | 66-130/30 |
| 75-15-0 | Carbon disulfide | 0.66 | J | 250 | 197 | 79 | 229 | 91 | 15 | 45-150/30 |
| 56-23-5 | Carbon tetrachloride | ND | | 250 | 225 | 90 | 258 | 103 | 14 | 60-153/30 |
| 108-90-7 | Chlorobenzene | ND | | 250 | 211 | 84 | 240 | 96 | 13 | 70-122/30 |
| 75-00-3 | Chloroethane | ND | | 250 | 241 | 96 | 279 | 112 | 15 | 50-161/30 |
| 67-66-3 | Chloroform | ND | | 250 | 270 | 108 | 294 | 118 | 9 | 73-130/30 |
| 74-87-3 | Chloromethane | ND | | 250 | 280 | 112 | 320 | 128 | 13 | 31-150/30 |
| 95-49-8 | o-Chlorotoluene | ND | | 250 | 228 | 91 | 258 | 103 | 12 | 55-149/30 |
| 106-43-4 | p-Chlorotoluene | ND | | 250 | 237 | 95 | 270 | 108 | 13 | 71-125/30 |
| 108-20-3 | Di-Isopropyl ether | ND | | 250 | 304 | 122 | 334 | 134 | 9 | 70-150/30 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | | 250 | 178 | 71 | 198 | 79 | 11 | 55-142/30 |
| 124-48-1 | Dibromochloromethane | ND | | 250 | 247 | 99 | 271 | 108 | 9 | 72-128/30 |
| 106-93-4 | 1,2-Dibromoethane | ND | | 250 | 198 | 79 | 225 | 90 | 13 | 70-128/30 |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | 250 | 217 | 87 | 246 | 98 | 13 | 75-120/30 |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | 250 | 214 | 86 | 240 | 96 | 11 | 72-120/30 |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | 250 | 207 | 83 | 235 | 94 | 13 | 71-120/30 |
| 75-71-8 | Dichlorodifluoromethane | ND | | 250 | 154 | 62 | 172 | 69 | 11 | 10-150/30 |
| 75-34-3 | 1,1-Dichloroethane | ND | | 250 | 244 | 98 | 274 | 110 | 12 | 70-130/30 |
| 107-06-2 | 1,2-Dichloroethane | ND | | 250 | 273 | 109 | 284 | 114 | 4 | 61-147/30 |
| 75-35-4 | 1,1-Dichloroethene | ND | | 250 | 264 | 106 | 285 | 114 | 8 | 60-136/30 |
| 156-59-2 | cis-1,2-Dichloroethene | ND | | 250 | 241 | 96 | 272 | 109 | 12 | 70-130/30 |
| 156-60-5 | trans-1,2-Dichloroethene | ND | | 250 | 215 | 86 | 257 | 103 | 18 | 70-127/30 |
| 78-87-5 | 1,2-Dichloropropane | ND | | 250 | 225 | 90 | 257 | 103 | 13 | 76-126/30 |
| 142-28-9 | 1,3-Dichloropropane | ND | | 250 | 204 | 82 | 227 | 91 | 11 | 75-125/30 |
| 594-20-7 | 2,2-Dichloropropane | ND | | 250 | 112 | 45 | 142 | 57 | 24 | 37-150/30 |
| 563-58-6 | 1,1-Dichloropropene | ND | | 250 | 237 | 95 | 262 | 105 | 10 | 71-130/30 |

# Matrix Spike/Matrix Spike Duplicate Summary



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| M64162-13MS | P17217.D | 5 | 04/26/07 | AMY | n/a | n/a | MSP589 |
| M64162-13MSD | P17218.D | 5 | 04/26/07 | AMY | n/a | n/a | MSP589 |
| M64162-13 | P17203.D | 1 | 04/26/07 | AMY | n/a | n/a | MSP589 |



**The QC reported here applies to the following samples:** **Method:** SW846 8260B

M64162-1, M64162-3, M64162-4, M64162-6, M64162-13, M64162-17, M64162-19, M64162-23, M64162-25, M64162-28, M64162-30

| CAS No. | Compound | M64162-13 ug/l | Q | Spike ug/l | MS ug/l | MS % | MSD ug/l | MSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| 10061-01-5 | cis-1,3-Dichloropropene | ND | | 250 | 175 | 70 | 208 | 83 | 17 | 70-130/30 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | | 250 | 169 | 68 | 197 | 79 | 15 | 65-131/30 |
| 123-91-1 | 1,4-Dioxane | ND | | 1250 | 1010 | 81 | 1080 | 86 | 7 | 44-150/30 |
| 60-29-7 | Ethyl Ether | ND | | 250 | 278 | 111 | 308 | 123 | 10 | 70-145/30 |
| 100-41-4 | Ethylbenzene | ND | | 250 | 231 | 92 | 261 | 104 | 12 | 60-137/30 |
| 87-68-3 | Hexachlorobutadiene | ND | | 250 | 169 | 68 | 189 | 76 | 11 | 45-134/30 |
| 591-78-6 | 2-Hexanone | ND | | 250 | 186 | 74 | 201 | 80 | 8 | 49-143/30 |
| 98-82-8 | Isopropylbenzene | ND | | 250 | 224 | 90 | 260 | 104 | 15 | 70-128/30 |
| 99-87-6 | p-Isopropyltoluene | ND | | 250 | 214 | 86 | 238 | 95 | 11 | 70-129/30 |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | | 250 | 245 | 98 | 281 | 112 | 14 | 60-143/30 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | | 250 | 216 | 86 | 237 | 95 | 9 | 60-144/30 |
| 74-95-3 | Methylene bromide | ND | | 250 | 253 | 101 | 265 | 106 | 5 | 73-130/30 |
| 75-09-2 | Methylene chloride | ND | | 250 | 296 | 118 | 328 | 131 | 10 | 70-135/30 |
| 91-20-3 | Naphthalene | 1.2 | J | 250 | 179 | 71 | 210 | 84 | 16 | 50-141/30 |
| 103-65-1 | n-Propylbenzene | ND | | 250 | 232 | 93 | 263 | 105 | 13 | 64-133/30 |
| 100-42-5 | Styrene | ND | | 250 | 213 | 85 | 240 | 96 | 12 | 57-133/30 |
| 994-05-8 | tert-Amyl Methyl Ether | ND | | 250 | 193 | 77 | 219 | 88 | 13 | 61-137/30 |
| 637-92-3 | tert-Butyl Ethyl Ether | ND | | 250 | 178 | 71 | 204 | 82 | 14 | 63-150/30 |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | | 250 | 231 | 92 | 267 | 107 | 14 | 73-126/30 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | 250 | 183 | 73 | 207 | 83 | 12 | 63-145/30 |
| 127-18-4 | Tetrachloroethene | ND | | 250 | 237 | 95 | 259 | 104 | 9 | 58-133/30 |
| 109-99-9 | Tetrahydrofuran | ND | | 250 | 209 | 84 | 214 | 86 | 2 | 42-150/30 |
| 108-88-3 | Toluene | ND | | 250 | 238 | 95 | 264 | 106 | 10 | 64-130/30 |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | | 250 | 167 | 67 | 204 | 82 | 20 | 55-127/30 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | 250 | 187 | 75 | 216 | 86 | 14 | 56-130/30 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | 250 | 250 | 100 | 298 | 119 | 18 | 70-142/30 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | 250 | 226 | 90 | 242 | 97 | 7 | 78-124/30 |
| 79-01-6 | Trichloroethene | 0.82 | J | 250 | 234 | 93 | 263 | 105 | 12 | 65-130/30 |
| 75-69-4 | Trichlorofluoromethane | ND | | 250 | 302 | 121 | 333 | 133 | 10 | 46-150/30 |
| 96-18-4 | 1,2,3-Trichloropropane | ND | | 250 | 181 | 72 | 206 | 82 | 13 | 70-130/30 |
| 95-63-6 | 1,2,4-Trimethylbenzene | 0.45 | J | 250 | 230 | 92 | 265 | 106 | 14 | 52-143/30 |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | | 250 | 238 | 95 | 270 | 108 | 13 | 58-138/30 |
| 75-01-4 | Vinyl chloride | ND | | 250 | 229 | 92 | 260 | 104 | 13 | 40-150/30 |
| | m,p-Xylene | ND | | 500 | 473 | 95 | 529 | 106 | 11 | 51-144/30 |
| 95-47-6 | o-Xylene | ND | | 250 | 241 | 96 | 271 | 108 | 12 | 58-138/30 |
| 1330-20-7 | Xylene (total) | ND | | 750 | 715 | 95 | 800 | 107 | 11 | 52-142/30 |

# Matrix Spike/Matrix Spike Duplicate Summary



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| M64162-13MS | P17217.D | 5 | 04/26/07 | AMY | n/a | n/a | MSP589 |
| M64162-13MSD | P17218.D | 5 | 04/26/07 | AMY | n/a | n/a | MSP589 |
| M64162-13 | P17203.D | 1 | 04/26/07 | AMY | n/a | n/a | MSP589 |

**The QC reported here applies to the following samples:** **Method:** SW846 8260B

M64162-1, M64162-3, M64162-4, M64162-6, M64162-13, M64162-17, M64162-19, M64162-23, M64162-25, M64162-28, M64162-30

| CAS No. | Surrogate Recoveries | MS | MSD | M64162-13 | Limits |
|---|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 110% | 108% | 102% | 84-129% |
| 2037-26-5 | Toluene-D8 | 101% | 101% | 102% | 80-120% |
| 460-00-4 | 4-Bromofluorobenzene | 99% | 100% | 96% | 82-118% |

# Matrix Spike/Matrix Spike Duplicate Summary



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| M64100-1MS | N18925.D | 5 | 04/27/07 | AT | n/a | n/a | MSN684 |
| M64100-1MSD | N18926.D | 5 | 04/27/07 | AT | n/a | n/a | MSN684 |
| M64100-1 | N18924.D | 1 | 04/27/07 | AT | n/a | n/a | MSN684 |



**The QC reported here applies to the following samples:** **Method:** SW846 8260B

M64162-1, M64162-2, M64162-6, M64162-7, M64162-14, M64162-15, M64162-28

| CAS No. | Compound | M64100-1 ug/l | Q | Spike ug/l | MS ug/l | MS % | MSD ug/l | MSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | | 250 | 293 | 117 | 282 | 113 | 4 | 20-150/30 |
| 71-43-2 | Benzene | ND | | 250 | 272 | 109 | 261 | 104 | 4 | 70-130/30 |
| 108-86-1 | Bromobenzene | ND | | 250 | 224 | 90 | 219 | 88 | 2 | 74-120/30 |
| 74-97-5 | Bromochloromethane | ND | | 250 | 279 | 112 | 278 | 111 | 0 | 70-130/30 |
| 75-27-4 | Bromodichloromethane | ND | | 250 | 300 | 120 | 284 | 114 | 5 | 71-135/30 |
| 75-25-2 | Bromoform | ND | | 250 | 219 | 88 | 211 | 84 | 4 | 60-128/30 |
| 74-83-9 | Bromomethane | ND | | 250 | 331 | 132 | 344 | 138 | 4 | 31-150/30 |
| 78-93-3 | 2-Butanone (MEK) | ND | | 250 | 252 | 101 | 246 | 98 | 2 | 46-151/30 |
| 104-51-8 | n-Butylbenzene | ND | | 250 | 268 | 107 | 257 | 103 | 4 | 64-139/30 |
| 135-98-8 | sec-Butylbenzene | ND | | 250 | 263 | 105 | 261 | 104 | 1 | 70-127/30 |
| 98-06-6 | tert-Butylbenzene | ND | | 250 | 277 | 111 | 276 | 110 | 0 | 66-130/30 |
| 75-15-0 | Carbon disulfide | ND | | 250 | 357 | 143 | 349 | 140 | 2 | 45-150/30 |
| 56-23-5 | Carbon tetrachloride | ND | | 250 | 332 | 133 | 307 | 123 | 8 | 60-153/30 |
| 108-90-7 | Chlorobenzene | ND | | 250 | 221 | 88 | 216 | 86 | 2 | 70-122/30 |
| 75-00-3 | Chloroethane | ND | | 250 | 416 | 166* [a] | 395 | 158 | 5 | 50-161/30 |
| 67-66-3 | Chloroform | ND | | 250 | 324 | 130 | 306 | 122 | 6 | 73-130/30 |
| 74-87-3 | Chloromethane | ND | | 250 | 376 | 150 | 389 | 156* [a] | 3 | 31-150/30 |
| 95-49-8 | o-Chlorotoluene | ND | | 250 | 248 | 99 | 246 | 98 | 1 | 55-149/30 |
| 106-43-4 | p-Chlorotoluene | ND | | 250 | 251 | 100 | 247 | 99 | 2 | 71-125/30 |
| 108-20-3 | Di-Isopropyl ether | ND | | 250 | 305 | 122 | 296 | 118 | 3 | 70-150/30 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | | 250 | 272 | 109 | 262 | 105 | 4 | 55-142/30 |
| 124-48-1 | Dibromochloromethane | ND | | 250 | 250 | 100 | 241 | 96 | 4 | 72-128/30 |
| 106-93-4 | 1,2-Dibromoethane | ND | | 250 | 239 | 96 | 222 | 89 | 7 | 70-128/30 |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | 250 | 238 | 95 | 229 | 92 | 4 | 75-120/30 |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | 250 | 242 | 97 | 239 | 96 | 1 | 72-120/30 |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | 250 | 261 | 104 | 249 | 100 | 5 | 71-120/30 |
| 75-71-8 | Dichlorodifluoromethane | ND | | 250 | 440 | 176* [b] | 447 | 179* [b] | 2 | 10-150/30 |
| 75-34-3 | 1,1-Dichloroethane | ND | | 250 | 317 | 127 | 308 | 123 | 3 | 70-130/30 |
| 107-06-2 | 1,2-Dichloroethane | ND | | 250 | 338 | 135 | 306 | 122 | 10 | 61-147/30 |
| 75-35-4 | 1,1-Dichloroethene | ND | | 250 | 290 | 116 | 274 | 110 | 6 | 60-136/30 |
| 156-59-2 | cis-1,2-Dichloroethene | ND | | 250 | 251 | 100 | 252 | 101 | 0 | 70-130/30 |
| 156-60-5 | trans-1,2-Dichloroethene | ND | | 250 | 271 | 108 | 270 | 108 | 0 | 70-127/30 |
| 78-87-5 | 1,2-Dichloropropane | ND | | 250 | 277 | 111 | 269 | 108 | 3 | 76-126/30 |
| 142-28-9 | 1,3-Dichloropropane | ND | | 250 | 262 | 105 | 247 | 99 | 6 | 75-125/30 |
| 594-20-7 | 2,2-Dichloropropane | ND | | 250 | 327 | 131 | 306 | 122 | 7 | 37-150/30 |
| 563-58-6 | 1,1-Dichloropropene | ND | | 250 | 289 | 116 | 278 | 111 | 4 | 71-130/30 |

# Matrix Spike/Matrix Spike Duplicate Summary

**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| M64100-1MS | N18925.D | 5 | 04/27/07 | AT | n/a | n/a | MSN684 |
| M64100-1MSD | N18926.D | 5 | 04/27/07 | AT | n/a | n/a | MSN684 |
| M64100-1 | N18924.D | 1 | 04/27/07 | AT | n/a | n/a | MSN684 |

**The QC reported here applies to the following samples:** **Method:** SW846 8260B

M64162-1, M64162-2, M64162-6, M64162-7, M64162-14, M64162-15, M64162-28

| CAS No. | Compound | M64100-1 ug/l | Q | Spike ug/l | MS ug/l | MS % | MSD ug/l | MSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| 10061-01-5 | cis-1,3-Dichloropropene | ND | | 250 | 284 | 114 | 275 | 110 | 3 | 70-130/30 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | | 250 | 296 | 118 | 277 | 111 | 7 | 65-131/30 |
| 123-91-1 | 1,4-Dioxane | ND | | 1250 | 985 | 79 | 968 | 77 | 2 | 44-150/30 |
| 60-29-7 | Ethyl Ether | ND | | 250 | 277 | 111 | 270 | 108 | 3 | 70-145/30 |
| 100-41-4 | Ethylbenzene | ND | | 250 | 247 | 99 | 237 | 95 | 4 | 60-137/30 |
| 87-68-3 | Hexachlorobutadiene | ND | | 250 | 258 | 103 | 248 | 99 | 4 | 45-134/30 |
| 591-78-6 | 2-Hexanone | ND | | 250 | 241 | 96 | 229 | 92 | 5 | 49-143/30 |
| 98-82-8 | Isopropylbenzene | ND | | 250 | 256 | 102 | 252 | 101 | 2 | 70-128/30 |
| 99-87-6 | p-Isopropyltoluene | ND | | 250 | 255 | 102 | 249 | 100 | 2 | 70-129/30 |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | | 250 | 297 | 119 | 289 | 116 | 3 | 60-143/30 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | | 250 | 280 | 112 | 254 | 102 | 10 | 60-144/30 |
| 74-95-3 | Methylene bromide | ND | | 250 | 287 | 115 | 276 | 110 | 4 | 73-130/30 |
| 75-09-2 | Methylene chloride | ND | | 250 | 300 | 120 | 288 | 115 | 4 | 70-135/30 |
| 91-20-3 | Naphthalene | ND | | 250 | 244 | 98 | 235 | 94 | 4 | 50-141/30 |
| 103-65-1 | n-Propylbenzene | ND | | 250 | 260 | 104 | 257 | 103 | 1 | 64-133/30 |
| 100-42-5 | Styrene | ND | | 250 | 241 | 96 | 232 | 93 | 4 | 57-133/30 |
| 994-05-8 | tert-Amyl Methyl Ether | ND | | 250 | 255 | 102 | 238 | 95 | 7 | 61-137/30 |
| 637-92-3 | tert-Butyl Ethyl Ether | ND | | 250 | 305 | 122 | 297 | 119 | 3 | 63-150/30 |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | | 250 | 254 | 102 | 241 | 96 | 5 | 73-126/30 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | 250 | 252 | 101 | 242 | 97 | 4 | 63-145/30 |
| 127-18-4 | Tetrachloroethene | ND | | 250 | 221 | 88 | 214 | 86 | 3 | 58-133/30 |
| 109-99-9 | Tetrahydrofuran | ND | | 250 | 269 | 108 | 262 | 105 | 3 | 42-150/30 |
| 108-88-3 | Toluene | ND | | 250 | 262 | 105 | 248 | 99 | 5 | 64-130/30 |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | | 250 | 255 | 102 | 247 | 99 | 3 | 55-127/30 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | 250 | 238 | 95 | 232 | 93 | 3 | 56-130/30 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | 250 | 359 | 144* [b] | 346 | 138 | 4 | 70-142/30 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | 250 | 276 | 110 | 255 | 102 | 8 | 78-124/30 |
| 79-01-6 | Trichloroethene | ND | | 250 | 282 | 113 | 267 | 107 | 5 | 65-130/30 |
| 75-69-4 | Trichlorofluoromethane | ND | | 250 | 340 | 136 | 332 | 133 | 2 | 46-150/30 |
| 96-18-4 | 1,2,3-Trichloropropane | ND | | 250 | 243 | 97 | 243 | 97 | 0 | 70-130/30 |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | | 250 | 264 | 106 | 255 | 102 | 3 | 52-143/30 |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | | 250 | 258 | 103 | 253 | 101 | 2 | 58-138/30 |
| 75-01-4 | Vinyl chloride | ND | | 250 | 392 | 157* [b] | 404 | 162* [b] | 3 | 40-150/30 |
| | m,p-Xylene | ND | | 500 | 484 | 97 | 465 | 93 | 4 | 51-144/30 |
| 95-47-6 | o-Xylene | ND | | 250 | 245 | 98 | 233 | 93 | 5 | 58-138/30 |
| 1330-20-7 | Xylene (total) | ND | | 750 | 729 | 97 | 698 | 93 | 4 | 52-142/30 |

# Matrix Spike/Matrix Spike Duplicate Summary



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| M64100-1MS | N18925.D | 5 | 04/27/07 | AT | n/a | n/a | MSN684 |
| M64100-1MSD | N18926.D | 5 | 04/27/07 | AT | n/a | n/a | MSN684 |
| M64100-1 | N18924.D | 1 | 04/27/07 | AT | n/a | n/a | MSN684 |

**The QC reported here applies to the following samples:** **Method:** SW846 8260B

M64162-1, M64162-2, M64162-6, M64162-7, M64162-14, M64162-15, M64162-28

| CAS No. | Surrogate Recoveries | MS | MSD | M64100-1 | Limits |
|---|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 117% | 117% | 124% | 84-129% |
| 2037-26-5 | Toluene-D8 | 105% | 102% | 106% | 80-120% |
| 460-00-4 | 4-Bromofluorobenzene | 99% | 100% | 104% | 82-118% |

(a) Outside control limits due to possible matrix interference. Refer to Blank Spike.
(b) Outside control limits. Associated samples are non-detect for this compound.

# Matrix Spike/Matrix Spike Duplicate Summary



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| M64162-16MS | G69231.D | 1 | 04/27/07 | KT | n/a | n/a | MSG2784 |
| M64162-16MSD | G69232.D | 1 | 04/27/07 | KT | n/a | n/a | MSG2784 |
| M64162-16 | G69230.D | 1 | 04/27/07 | KT | n/a | n/a | MSG2784 |



**The QC reported here applies to the following samples:** **Method:** SW846 8260B

M64162-5, M64162-8, M64162-9, M64162-10, M64162-12, M64162-16

| CAS No. | Compound | M64162-16 ug/l | Q | Spike ug/l | MS ug/l | MS % | MSD ug/l | MSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | | 50 | 26.6 | 53 | 34.5 | 69 | 26 | 20-150/30 |
| 71-43-2 | Benzene | ND | | 50 | 48.6 | 97 | 49.3 | 99 | 1 | 70-130/30 |
| 108-86-1 | Bromobenzene | ND | | 50 | 46.4 | 93 | 47.0 | 94 | 1 | 74-120/30 |
| 74-97-5 | Bromochloromethane | ND | | 50 | 47.0 | 94 | 47.4 | 95 | 1 | 70-130/30 |
| 75-27-4 | Bromodichloromethane | ND | | 50 | 47.9 | 96 | 47.0 | 94 | 2 | 71-135/30 |
| 75-25-2 | Bromoform | ND | | 50 | 42.3 | 85 | 43.6 | 87 | 3 | 60-128/30 |
| 74-83-9 | Bromomethane | ND | | 50 | 45.7 | 91 | 48.3 | 97 | 6 | 31-150/30 |
| 78-93-3 | 2-Butanone (MEK) | ND | | 50 | 37.4 | 75 | 33.5 | 67 | 11 | 46-151/30 |
| 104-51-8 | n-Butylbenzene | ND | | 50 | 49.4 | 99 | 50.1 | 100 | 1 | 64-139/30 |
| 135-98-8 | sec-Butylbenzene | ND | | 50 | 49.2 | 98 | 49.8 | 100 | 1 | 70-127/30 |
| 98-06-6 | tert-Butylbenzene | ND | | 50 | 49.9 | 100 | 49.9 | 100 | 0 | 66-130/30 |
| 75-15-0 | Carbon disulfide | ND | | 50 | 41.1 | 82 | 42.5 | 85 | 3 | 45-150/30 |
| 56-23-5 | Carbon tetrachloride | ND | | 50 | 49.6 | 99 | 50.3 | 101 | 1 | 60-153/30 |
| 108-90-7 | Chlorobenzene | ND | | 50 | 48.1 | 96 | 48.7 | 97 | 1 | 70-122/30 |
| 75-00-3 | Chloroethane | ND | | 50 | 47.1 | 94 | 49.1 | 98 | 4 | 50-161/30 |
| 67-66-3 | Chloroform | ND | | 50 | 48.4 | 97 | 49.0 | 98 | 1 | 73-130/30 |
| 74-87-3 | Chloromethane | ND | | 50 | 42.9 | 86 | 45.1 | 90 | 5 | 31-150/30 |
| 95-49-8 | o-Chlorotoluene | ND | | 50 | 47.5 | 95 | 48.2 | 96 | 1 | 55-149/30 |
| 106-43-4 | p-Chlorotoluene | ND | | 50 | 47.4 | 95 | 48.2 | 96 | 2 | 71-125/30 |
| 108-20-3 | Di-Isopropyl ether | ND | | 50 | 48.9 | 98 | 49.9 | 100 | 2 | 70-150/30 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | | 50 | 36.8 | 74 | 36.8 | 74 | 0 | 55-142/30 |
| 124-48-1 | Dibromochloromethane | ND | | 50 | 45.4 | 91 | 45.8 | 92 | 1 | 72-128/30 |
| 106-93-4 | 1,2-Dibromoethane | ND | | 50 | 45.3 | 91 | 45.9 | 92 | 1 | 70-128/30 |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | 50 | 46.4 | 93 | 46.7 | 93 | 1 | 75-120/30 |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | 50 | 46.5 | 93 | 47.4 | 95 | 2 | 72-120/30 |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | 50 | 46.8 | 94 | 47.3 | 95 | 1 | 71-120/30 |
| 75-71-8 | Dichlorodifluoromethane | ND | | 50 | 19.5 | 39 | 19.6 | 39 | 1 | 10-150/30 |
| 75-34-3 | 1,1-Dichloroethane | 4.4 | | 50 | 51.8 | 95 | 53.0 | 97 | 2 | 70-130/30 |
| 107-06-2 | 1,2-Dichloroethane | ND | | 50 | 47.2 | 94 | 46.8 | 94 | 1 | 61-147/30 |
| 75-35-4 | 1,1-Dichloroethene | 2.7 | | 50 | 48.2 | 91 | 50.6 | 96 | 5 | 60-136/30 |
| 156-59-2 | cis-1,2-Dichloroethene | 21.7 | | 50 | 68.2 | 93 | 69.7 | 96 | 2 | 70-130/30 |
| 156-60-5 | trans-1,2-Dichloroethene | ND | | 50 | 46.5 | 93 | 48.3 | 97 | 4 | 70-127/30 |
| 78-87-5 | 1,2-Dichloropropane | ND | | 50 | 47.5 | 95 | 48.2 | 96 | 1 | 76-126/30 |
| 142-28-9 | 1,3-Dichloropropane | ND | | 50 | 46.3 | 93 | 47.0 | 94 | 2 | 75-125/30 |
| 594-20-7 | 2,2-Dichloropropane | ND | | 50 | 52.1 | 104 | 53.5 | 107 | 3 | 37-150/30 |
| 563-58-6 | 1,1-Dichloropropene | ND | | 50 | 49.5 | 99 | 50.7 | 101 | 2 | 71-130/30 |

# Matrix Spike/Matrix Spike Duplicate Summary



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| M64162-16MS | G69231.D | 1 | 04/27/07 | KT | n/a | n/a | MSG2784 |
| M64162-16MSD | G69232.D | 1 | 04/27/07 | KT | n/a | n/a | MSG2784 |
| M64162-16 | G69230.D | 1 | 04/27/07 | KT | n/a | n/a | MSG2784 |



**The QC reported here applies to the following samples:** **Method:** SW846 8260B

M64162-5, M64162-8, M64162-9, M64162-10, M64162-12, M64162-16

| CAS No. | Compound | M64162-16 ug/l | Q | Spike ug/l | MS ug/l | MS % | MSD ug/l | MSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| 10061-01-5 | cis-1,3-Dichloropropene | ND | | 50 | 49.1 | 98 | 49.7 | 99 | 1 | 70-130/30 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | | 50 | 48.8 | 98 | 49.8 | 100 | 2 | 65-131/30 |
| 123-91-1 | 1,4-Dioxane | ND | | 250 | 174 | 70 | 222 | 89 | 24 | 44-150/30 |
| 60-29-7 | Ethyl Ether | ND | | 50 | 46.8 | 94 | 47.5 | 95 | 1 | 70-145/30 |
| 100-41-4 | Ethylbenzene | ND | | 50 | 50.0 | 100 | 51.3 | 103 | 3 | 60-137/30 |
| 87-68-3 | Hexachlorobutadiene | ND | | 50 | 45.6 | 91 | 46.0 | 92 | 1 | 45-134/30 |
| 591-78-6 | 2-Hexanone | ND | | 50 | 40.4 | 81 | 41.9 | 84 | 4 | 49-143/30 |
| 98-82-8 | Isopropylbenzene | ND | | 50 | 49.3 | 99 | 49.8 | 100 | 1 | 70-128/30 |
| 99-87-6 | p-Isopropyltoluene | ND | | 50 | 48.7 | 97 | 49.4 | 99 | 1 | 70-129/30 |
| 1634-04-4 | Methyl Tert Butyl Ether | 0.40 | J | 50 | 43.9 | 87 | 46.1 | 91 | 5 | 60-143/30 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | | 50 | 41.7 | 83 | 42.7 | 85 | 2 | 60-144/30 |
| 74-95-3 | Methylene bromide | ND | | 50 | 45.4 | 91 | 45.8 | 92 | 1 | 73-130/30 |
| 75-09-2 | Methylene chloride | ND | | 50 | 57.5 | 115 | 58.5 | 117 | 2 | 70-135/30 |
| 91-20-3 | Naphthalene | ND | | 50 | 38.3 | 77 | 39.0 | 78 | 2 | 50-141/30 |
| 103-65-1 | n-Propylbenzene | ND | | 50 | 48.9 | 98 | 49.8 | 100 | 2 | 64-133/30 |
| 100-42-5 | Styrene | ND | | 50 | 49.0 | 98 | 50.0 | 100 | 2 | 57-133/30 |
| 994-05-8 | tert-Amyl Methyl Ether | ND | | 50 | 45.9 | 92 | 47.2 | 94 | 3 | 61-137/30 |
| 637-92-3 | tert-Butyl Ethyl Ether | ND | | 50 | 48.0 | 96 | 49.4 | 99 | 3 | 63-150/30 |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | | 50 | 47.8 | 96 | 48.3 | 97 | 1 | 73-126/30 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | 50 | 41.1 | 82 | 41.6 | 83 | 1 | 63-145/30 |
| 127-18-4 | Tetrachloroethene | 32.2 | | 50 | 79.9 | 95 | 80.5 | 97 | 1 | 58-133/30 |
| 109-99-9 | Tetrahydrofuran | 13.8 | | 50 | 57.7 | 88 | 58.7 | 90 | 2 | 42-150/30 |
| 108-88-3 | Toluene | ND | | 50 | 48.5 | 97 | 48.9 | 98 | 1 | 64-130/30 |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | | 50 | 39.9 | 80 | 40.5 | 81 | 1 | 55-127/30 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | 50 | 42.9 | 86 | 43.0 | 86 | 0 | 56-130/30 |
| 71-55-6 | 1,1,1-Trichloroethane | 0.67 | J | 50 | 49.2 | 97 | 50.2 | 99 | 2 | 70-142/30 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | 50 | 44.7 | 89 | 45.3 | 91 | 1 | 78-124/30 |
| 79-01-6 | Trichloroethene | 19.4 | | 50 | 66.1 | 93 | 67.6 | 96 | 2 | 65-130/30 |
| 75-69-4 | Trichlorofluoromethane | ND | | 50 | 48.8 | 98 | 49.4 | 99 | 1 | 46-150/30 |
| 96-18-4 | 1,2,3-Trichloropropane | ND | | 50 | 40.4 | 81 | 41.9 | 84 | 4 | 70-130/30 |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | | 50 | 47.8 | 96 | 48.5 | 97 | 1 | 52-143/30 |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | | 50 | 48.1 | 96 | 48.9 | 98 | 2 | 58-138/30 |
| 75-01-4 | Vinyl chloride | 3.2 | | 50 | 45.3 | 84 | 47.4 | 88 | 5 | 40-150/30 |
| | m,p-Xylene | ND | | 100 | 100 | 100 | 102 | 102 | 2 | 51-144/30 |
| 95-47-6 | o-Xylene | ND | | 50 | 49.7 | 99 | 50.6 | 101 | 2 | 58-138/30 |
| 1330-20-7 | Xylene (total) | ND | | 150 | 150 | 100 | 153 | 102 | 2 | 52-142/30 |

# Matrix Spike/Matrix Spike Duplicate Summary



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| M64162-16MS | G69231.D | 1 | 04/27/07 | KT | n/a | n/a | MSG2784 |
| M64162-16MSD | G69232.D | 1 | 04/27/07 | KT | n/a | n/a | MSG2784 |
| M64162-16 | G69230.D | 1 | 04/27/07 | KT | n/a | n/a | MSG2784 |

**The QC reported here applies to the following samples:** **Method:** SW846 8260B

M64162-5, M64162-8, M64162-9, M64162-10, M64162-12, M64162-16

| CAS No. | Surrogate Recoveries | MS | MSD | M64162-16 | Limits |
|---|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 101% | 101% | 101% | 84-129% |
| 2037-26-5 | Toluene-D8 | 99% | 99% | 102% | 80-120% |
| 460-00-4 | 4-Bromofluorobenzene | 98% | 98% | 101% | 82-118% |

# Matrix Spike/Matrix Spike Duplicate Summary



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| M64143-3MS | G69303.D | 5 | 04/30/07 | KT | n/a | n/a | MSG2785 |
| M64143-3MSD | G69304.D | 5 | 04/30/07 | KT | n/a | n/a | MSG2785 |
| M64143-3 | G69302.D | 5 | 04/30/07 | KT | n/a | n/a | MSG2785 |



**The QC reported here applies to the following samples:** **Method:** SW846 8260B

M64162-11, M64162-20, M64162-21, M64162-22, M64162-24, M64162-26, M64162-27, M64162-29

| CAS No. | Compound | M64143-3 ug/l | Q | Spike ug/l | MS ug/l | MS % | MSD ug/l | MSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | ND | | 250 | 282 | 113 | 274 | 110 | 3 | 20-150/30 |
| 71-43-2 | Benzene | ND | | 250 | 249 | 100 | 244 | 98 | 2 | 70-130/30 |
| 108-86-1 | Bromobenzene | ND | | 250 | 248 | 99 | 243 | 97 | 2 | 74-120/30 |
| 74-97-5 | Bromochloromethane | ND | | 250 | 247 | 99 | 242 | 97 | 2 | 70-130/30 |
| 75-27-4 | Bromodichloromethane | ND | | 250 | 231 | 92 | 224 | 90 | 3 | 71-135/30 |
| 75-25-2 | Bromoform | ND | | 250 | 236 | 94 | 237 | 95 | 0 | 60-128/30 |
| 74-83-9 | Bromomethane | ND | | 250 | 226 | 90 | 224 | 90 | 1 | 31-150/30 |
| 78-93-3 | 2-Butanone (MEK) | ND | | 250 | 215 | 86 | 226 | 90 | 5 | 46-151/30 |
| 104-51-8 | n-Butylbenzene | ND | | 250 | 20.5 | 8* [a] | 19.7 | 8* [a] | 4 | 64-139/30 |
| 135-98-8 | sec-Butylbenzene | 6.0 | | 250 | 252 | 98 | 250 | 98 | 1 | 70-127/30 |
| 98-06-6 | tert-Butylbenzene | 3.3 | | 250 | 252 | 99 | 249 | 98 | 1 | 66-130/30 |
| 75-15-0 | Carbon disulfide | ND | | 250 | 233 | 93 | 229 | 92 | 2 | 45-150/30 |
| 56-23-5 | Carbon tetrachloride | ND | | 250 | 258 | 103 | 250 | 100 | 3 | 60-153/30 |
| 108-90-7 | Chlorobenzene | ND | | 250 | 244 | 98 | 242 | 97 | 1 | 70-122/30 |
| 75-00-3 | Chloroethane | ND | | 250 | 238 | 95 | 235 | 94 | 1 | 50-161/30 |
| 67-66-3 | Chloroform | ND | | 250 | 241 | 96 | 236 | 94 | 2 | 73-130/30 |
| 74-87-3 | Chloromethane | ND | | 250 | 238 | 95 | 232 | 93 | 3 | 31-150/30 |
| 95-49-8 | o-Chlorotoluene | ND | | 250 | 364 | 146 | 352 | 141 | 3 | 55-149/30 |
| 106-43-4 | p-Chlorotoluene | ND | | 250 | 293 | 117 | 282 | 113 | 4 | 71-125/30 |
| 108-20-3 | Di-Isopropyl ether | ND | | 250 | 224 | 90 | 220 | 88 | 2 | 70-150/30 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | | 250 | 314 | 126 | 310 | 124 | 1 | 55-142/30 |
| 124-48-1 | Dibromochloromethane | ND | | 250 | 236 | 94 | 237 | 95 | 0 | 72-128/30 |
| 106-93-4 | 1,2-Dibromoethane | ND | | 250 | 250 | 100 | 251 | 100 | 0 | 70-128/30 |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | 250 | 236 | 94 | 237 | 95 | 0 | 75-120/30 |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | 250 | 239 | 96 | 237 | 95 | 1 | 72-120/30 |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | 250 | 236 | 94 | 234 | 94 | 1 | 71-120/30 |
| 75-71-8 | Dichlorodifluoromethane | ND | | 250 | 161 | 64 | 167 | 67 | 4 | 10-150/30 |
| 75-34-3 | 1,1-Dichloroethane | ND | | 250 | 244 | 98 | 237 | 95 | 3 | 70-130/30 |
| 107-06-2 | 1,2-Dichloroethane | ND | | 250 | 241 | 96 | 239 | 96 | 1 | 61-147/30 |
| 75-35-4 | 1,1-Dichloroethene | ND | | 250 | 246 | 98 | 240 | 96 | 2 | 60-136/30 |
| 156-59-2 | cis-1,2-Dichloroethene | ND | | 250 | 233 | 93 | 229 | 92 | 2 | 70-130/30 |
| 156-60-5 | trans-1,2-Dichloroethene | ND | | 250 | 247 | 99 | 245 | 98 | 1 | 70-127/30 |
| 78-87-5 | 1,2-Dichloropropane | ND | | 250 | 245 | 98 | 242 | 97 | 1 | 76-126/30 |
| 142-28-9 | 1,3-Dichloropropane | ND | | 250 | 249 | 100 | 244 | 98 | 2 | 75-125/30 |
| 594-20-7 | 2,2-Dichloropropane | ND | | 250 | 253 | 101 | 243 | 97 | 4 | 37-150/30 |
| 563-58-6 | 1,1-Dichloropropene | ND | | 250 | 254 | 102 | 253 | 101 | 0 | 71-130/30 |

# Matrix Spike/Matrix Spike Duplicate Summary



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| M64143-3MS | G69303.D | 5 | 04/30/07 | KT | n/a | n/a | MSG2785 |
| M64143-3MSD | G69304.D | 5 | 04/30/07 | KT | n/a | n/a | MSG2785 |
| M64143-3 | G69302.D | 5 | 04/30/07 | KT | n/a | n/a | MSG2785 |



**The QC reported here applies to the following samples:** **Method:** SW846 8260B

M64162-11, M64162-20, M64162-21, M64162-22, M64162-24, M64162-26, M64162-27, M64162-29

| CAS No. | Compound | M64143-3 ug/l | Q | Spike ug/l | MS ug/l | MS % | MSD ug/l | MSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| 10061-01-5 | cis-1,3-Dichloropropene | ND | | 250 | 257 | 103 | 249 | 100 | 3 | 70-130/30 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | | 250 | 265 | 106 | 254 | 102 | 4 | 65-131/30 |
| 123-91-1 | 1,4-Dioxane | ND | | 1250 | 1380 | 110 | 1520 | 122 | 10 | 44-150/30 |
| 60-29-7 | Ethyl Ether | ND | | 250 | 225 | 90 | 221 | 88 | 2 | 70-145/30 |
| 100-41-4 | Ethylbenzene | ND | | 250 | 259 | 104 | 254 | 102 | 2 | 60-137/30 |
| 87-68-3 | Hexachlorobutadiene | ND | | 250 | 212 | 85 | 202 | 81 | 5 | 45-134/30 |
| 591-78-6 | 2-Hexanone | ND | | 250 | 251 | 100 | 244 | 98 | 3 | 49-143/30 |
| 98-82-8 | Isopropylbenzene | 2.0 | | 250 | 255 | 101 | 248 | 98 | 3 | 70-128/30 |
| 99-87-6 | p-Isopropyltoluene | 37.6 | | 250 | 285 | 99 | 280 | 97 | 2 | 70-129/30 |
| 1634-04-4 | Methyl Tert Butyl Ether | 5.3 | | 250 | 250 | 98 | 248 | 97 | 1 | 60-143/30 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | | 250 | 235 | 94 | 233 | 93 | 1 | 60-144/30 |
| 74-95-3 | Methylene bromide | ND | | 250 | 237 | 95 | 234 | 94 | 1 | 73-130/30 |
| 75-09-2 | Methylene chloride | 10.2 | | 250 | 253 | 97 | 249 | 96 | 2 | 70-135/30 |
| 91-20-3 | Naphthalene | ND | | 250 | 225 | 90 | 229 | 92 | 2 | 50-141/30 |
| 103-65-1 | n-Propylbenzene | 3.9 | | 250 | 256 | 101 | 247 | 97 | 4 | 64-133/30 |
| 100-42-5 | Styrene | ND | | 250 | 259 | 104 | 260 | 104 | 0 | 57-133/30 |
| 994-05-8 | tert-Amyl Methyl Ether | ND | | 250 | 226 | 90 | 228 | 91 | 1 | 61-137/30 |
| 637-92-3 | tert-Butyl Ethyl Ether | ND | | 250 | 232 | 93 | 230 | 92 | 1 | 63-150/30 |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | | 250 | 255 | 102 | 257 | 103 | 1 | 73-126/30 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | 250 | 231 | 92 | 231 | 92 | 0 | 63-145/30 |
| 127-18-4 | Tetrachloroethene | ND | | 250 | 257 | 103 | 255 | 102 | 1 | 58-133/30 |
| 109-99-9 | Tetrahydrofuran | ND | | 250 | 224 | 90 | 229 | 92 | 2 | 42-150/30 |
| 108-88-3 | Toluene | ND | | 250 | 252 | 101 | 242 | 97 | 4 | 64-130/30 |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | | 250 | 214 | 86 | 211 | 84 | 1 | 55-127/30 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | 250 | 229 | 92 | 221 | 88 | 4 | 56-130/30 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | 250 | 250 | 100 | 241 | 96 | 4 | 70-142/30 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | 250 | 247 | 99 | 241 | 96 | 2 | 78-124/30 |
| 79-01-6 | Trichloroethene | ND | | 250 | 249 | 100 | 246 | 98 | 1 | 65-130/30 |
| 75-69-4 | Trichlorofluoromethane | ND | | 250 | 230 | 92 | 231 | 92 | 0 | 46-150/30 |
| 96-18-4 | 1,2,3-Trichloropropane | ND | | 250 | 237 | 95 | 237 | 95 | 0 | 70-130/30 |
| 95-63-6 | 1,2,4-Trimethylbenzene | 865 | | 250 | 1120 | 102 | 1080 | 86 | 4 | 52-143/30 |
| 108-67-8 | 1,3,5-Trimethylbenzene | 727 | | 250 | 989 | 105 | 958 | 92 | 3 | 58-138/30 |
| 75-01-4 | Vinyl chloride | ND | | 250 | 238 | 95 | 234 | 94 | 2 | 40-150/30 |
| | m,p-Xylene | ND | | 500 | 519 | 104 | 511 | 102 | 2 | 51-144/30 |
| 95-47-6 | o-Xylene | ND | | 250 | 254 | 102 | 254 | 102 | 0 | 58-138/30 |
| 1330-20-7 | Xylene (total) | ND | | 750 | 773 | 103 | 764 | 102 | 1 | 52-142/30 |

# Matrix Spike/Matrix Spike Duplicate Summary



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| M64143-3MS | G69303.D | 5 | 04/30/07 | KT | n/a | n/a | MSG2785 |
| M64143-3MSD | G69304.D | 5 | 04/30/07 | KT | n/a | n/a | MSG2785 |
| M64143-3 | G69302.D | 5 | 04/30/07 | KT | n/a | n/a | MSG2785 |



**The QC reported here applies to the following samples:** **Method:** SW846 8260B

M64162-11, M64162-20, M64162-21, M64162-22, M64162-24, M64162-26, M64162-27, M64162-29

| CAS No. | Surrogate Recoveries | MS | MSD | M64143-3 | Limits |
|---|---|---|---|---|---|
| 1868-53-7 | Dibromofluoromethane | 98% | 97% | 100% | 84-129% |
| 2037-26-5 | Toluene-D8 | 100% | 98% | 102% | 80-120% |
| 460-00-4 | 4-Bromofluorobenzene | 99% | 98% | 95% | 82-118% |

(a) Outside control limits due to possible matrix interference. Refer to Blank Spike.

# Instrument Performance Check (BFB)



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

**Sample:** MSG2782-BFB
**Lab File ID:** G69169.D
**Instrument ID:** GCMSG
**Injection Date:** 04/25/07
**Injection Time:** 16:45

| m/e | Ion Abundance Criteria | Raw Abundance | % Relative Abundance | | Pass/Fail |
|---|---|---|---|---|---|
| 50 | 15.0 - 40.0% of mass 95 | 33989 | 18.8 | | Pass |
| 75 | 30.0 - 60.0% of mass 95 | 84411 | 46.7 | | Pass |
| 95 | Base peak, 100% relative abundance | 180843 | 100.0 | | Pass |
| 96 | 5.0 - 9.0% of mass 95 | 12128 | 6.7 | | Pass |
| 173 | Less than 2.0% of mass 174 | 0 | 0.0 | (0.0) [a] | Pass |
| 174 | 50.0 - 150.0% of mass 95 | 181952 | 100.6 | | Pass |
| 175 | 5.0 - 9.0% of mass 174 | 13662 | 7.6 | (7.5) [a] | Pass |
| 176 | 95.0 - 101.0% of mass 174 | 177003 | 97.9 | (97.3) [a] | Pass |
| 177 | 5.0 - 9.0% of mass 176 | 11880 | 6.6 | (6.7) [b] | Pass |

(a) Value is % of mass 174
(b) Value is % of mass 176

**This check applies to the following Samples, MS, MSD, Blanks, and Standards:**

| Lab Sample ID | Lab File ID | Date Analyzed | Time Analyzed | Hours Lapsed | Client Sample ID |
|---|---|---|---|---|---|
| MSG2782-IC2782 | G69170.D | 04/25/07 | 17:12 | 00:27 | Initial cal 0.5 |
| MSG2782-IC2782 | G69171.D | 04/25/07 | 17:39 | 00:54 | Initial cal 1 |
| MSG2782-IC2782 | G69172.D | 04/25/07 | 18:07 | 01:22 | Initial cal 2 |
| MSG2782-IC2782 | G69173.D | 04/25/07 | 18:34 | 01:49 | Initial cal 5 |
| MSG2782-IC2782 | G69174.D | 04/25/07 | 19:01 | 02:16 | Initial cal 25 |
| MSG2782-IC2782 | G69175.D | 04/25/07 | 19:28 | 02:43 | Initial cal 400 |
| MSG2782-IC2782 | G69176.D | 04/25/07 | 19:55 | 03:10 | Initial cal 200 |
| MSG2782-ICC2782 | G69177.D | 04/25/07 | 20:22 | 03:37 | Initial cal 100 |
| MSG2782-IC2782 | G69178.D | 04/25/07 | 20:49 | 04:04 | Initial cal 50 |
| MSG2782-ICV2782 | G69179.D | 04/25/07 | 21:16 | 04:31 | Initial cal verification 50 |

# Instrument Performance Check (BFB)



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

**Sample:** MSG2784-BFB
**Lab File ID:** G69215.D
**Instrument ID:** GCMSG
**Injection Date:** 04/27/07
**Injection Time:** 12:35

| m/e | Ion Abundance Criteria | Raw Abundance | % Relative Abundance | | Pass/Fail |
|---|---|---|---|---|---|
| 50 | 15.0 - 40.0% of mass 95 | 22640 | 16.8 | | Pass |
| 75 | 30.0 - 60.0% of mass 95 | 59944 | 44.5 | | Pass |
| 95 | Base peak, 100% relative abundance | 134592 | 100.0 | | Pass |
| 96 | 5.0 - 9.0% of mass 95 | 8707 | 6.5 | | Pass |
| 173 | Less than 2.0% of mass 174 | 0 | 0.0 | (0.0) [a] | Pass |
| 174 | 50.0 - 150.0% of mass 95 | 142912 | 106.2 | | Pass |
| 175 | 5.0 - 9.0% of mass 174 | 10116 | 7.5 | (7.1) [a] | Pass |
| 176 | 95.0 - 101.0% of mass 174 | 139008 | 103.3 | (97.3) [a] | Pass |
| 177 | 5.0 - 9.0% of mass 176 | 9084 | 6.7 | (6.5) [b] | Pass |

(a) Value is % of mass 174
(b) Value is % of mass 176

**This check applies to the following Samples, MS, MSD, Blanks, and Standards:**

| Lab Sample ID | Lab File ID | Date Analyzed | Time Analyzed | Hours Lapsed | Client Sample ID |
|---|---|---|---|---|---|
| MSG2784-CC2782 | G69215.D | 04/27/07 | 12:35 | 00:00 | Continuing cal 100 |
| MSG2784-BS | G69216.D | 04/27/07 | 13:03 | 00:28 | Blank Spike |
| MSG2784-BSD | G69217.D | 04/27/07 | 13:31 | 00:56 | Blank Spike Duplicate |
| MSG2784-MB | G69219.D | 04/27/07 | 14:26 | 01:51 | Method Blank |
| ZZZZZZ | G69220.D | 04/27/07 | 14:54 | 02:19 | (unrelated sample) |
| ZZZZZZ | G69221.D | 04/27/07 | 15:21 | 02:46 | (unrelated sample) |
| ZZZZZZ | G69222.D | 04/27/07 | 15:49 | 03:14 | (unrelated sample) |
| ZZZZZZ | G69223.D | 04/27/07 | 16:16 | 03:41 | (unrelated sample) |
| ZZZZZZ | G69224.D | 04/27/07 | 16:43 | 04:08 | (unrelated sample) |
| ZZZZZZ | G69225.D | 04/27/07 | 17:10 | 04:35 | (unrelated sample) |
| ZZZZZZ | G69226.D | 04/27/07 | 17:36 | 05:01 | (unrelated sample) |
| ZZZZZZ | G69227.D | 04/27/07 | 18:02 | 05:27 | (unrelated sample) |
| M64162-16 | G69230.D | 04/27/07 | 19:26 | 06:51 | 045162-MW116 |
| M64162-16MS | G69231.D | 04/27/07 | 19:52 | 07:17 | Matrix Spike |
| M64162-16MSD | G69232.D | 04/27/07 | 20:18 | 07:43 | Matrix Spike Duplicate |
| ZZZZZZ | G69233.D | 04/27/07 | 20:45 | 08:10 | (unrelated sample) |
| ZZZZZZ | G69235.D | 04/27/07 | 21:37 | 09:02 | (unrelated sample) |
| M64162-5 | G69236.D | 04/27/07 | 22:03 | 09:28 | 045162-MW105 |
| M64162-8 | G69237.D | 04/27/07 | 22:30 | 09:55 | 045162-MW108 |
| M64162-9 | G69238.D | 04/27/07 | 22:56 | 10:21 | 045162-MW109 |
| M64162-10 | G69239.D | 04/27/07 | 23:22 | 10:47 | 045162-MW110 |
| M64162-12 | G69240.D | 04/27/07 | 23:49 | 11:14 | 045162-MW112A |

# Instrument Performance Check (BFB)



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

**Sample:** MSG2785-BFB
**Lab File ID:** G69286.D
**Instrument ID:** GCMSG
**Injection Date:** 04/30/07
**Injection Time:** 12:30

| m/e | Ion Abundance Criteria | Raw Abundance | % Relative Abundance | | Pass/Fail |
|---|---|---|---|---|---|
| 50 | 15.0 - 40.0% of mass 95 | 27960 | 17.7 | | Pass |
| 75 | 30.0 - 60.0% of mass 95 | 72968 | 46.1 | | Pass |
| 95 | Base peak, 100% relative abundance | 158144 | 100.0 | | Pass |
| 96 | 5.0 - 9.0% of mass 95 | 10156 | 6.4 | | Pass |
| 173 | Less than 2.0% of mass 174 | 0 | 0.0 | (0.0) [a] | Pass |
| 174 | 50.0 - 150.0% of mass 95 | 173120 | 109.5 | | Pass |
| 175 | 5.0 - 9.0% of mass 174 | 11858 | 7.5 | (6.8) [a] | Pass |
| 176 | 95.0 - 101.0% of mass 174 | 169408 | 107.1 | (97.9) [a] | Pass |
| 177 | 5.0 - 9.0% of mass 176 | 10989 | 6.9 | (6.5) [b] | Pass |

(a) Value is % of mass 174
(b) Value is % of mass 176

**This check applies to the following Samples, MS, MSD, Blanks, and Standards:**

| Lab Sample ID | Lab File ID | Date Analyzed | Time Analyzed | Hours Lapsed | Client Sample ID |
|---|---|---|---|---|---|
| MSG2785-CC2782 | G69286.D | 04/30/07 | 12:30 | 00:00 | Continuing cal 100 |
| MSG2785-BS | G69288.D | 04/30/07 | 13:36 | 01:06 | Blank Spike |
| MSG2785-BSD | G69289.D | 04/30/07 | 14:30 | 02:00 | Blank Spike Duplicate |
| MSG2785-MB | G69291.D | 04/30/07 | 15:23 | 02:53 | Method Blank |
| M64162-26 | G69292.D | 04/30/07 | 15:50 | 03:20 | 045162-MW1 |
| M64162-20 | G69293.D | 04/30/07 | 16:16 | 03:46 | 045162-GEO4 |
| M64162-27 | G69294.D | 04/30/07 | 16:42 | 04:12 | 045162-MW3 |
| M64162-20 | G69295.D | 04/30/07 | 17:09 | 04:39 | 045162-GEO4 |
| M64162-22 | G69296.D | 04/30/07 | 17:35 | 05:05 | 045162-GEO6 |
| M64162-24 | G69297.D | 04/30/07 | 18:02 | 05:32 | 045162-SHMW2 |
| M64162-21 | G69298.D | 04/30/07 | 18:28 | 05:58 | 045162-GEO5 |
| M64162-29 | G69299.D | 04/30/07 | 18:54 | 06:24 | 045162-MW901 |
| M64162-11 | G69300.D | 04/30/07 | 19:21 | 06:51 | 045162-MW111 |
| M64162-29 | G69301.D | 04/30/07 | 19:48 | 07:18 | 045162-MW901 |
| M64143-3 | G69302.D | 04/30/07 | 20:15 | 07:45 | (used for QC only; not part of job M64162) |
| M64143-3MS | G69303.D | 04/30/07 | 20:42 | 08:12 | Matrix Spike |
| M64143-3MSD | G69304.D | 04/30/07 | 21:08 | 08:38 | Matrix Spike Duplicate |
| ZZZZZZ | G69305.D | 04/30/07 | 21:35 | 09:05 | (unrelated sample) |
| ZZZZZZ | G69307.D | 04/30/07 | 22:28 | 09:58 | (unrelated sample) |
| ZZZZZZ | G69308.D | 04/30/07 | 22:55 | 10:25 | (unrelated sample) |
| ZZZZZZ | G69309.D | 04/30/07 | 23:22 | 10:52 | (unrelated sample) |
| ZZZZZZ | G69310.D | 04/30/07 | 23:48 | 11:18 | (unrelated sample) |
| ZZZZZZ | G69311.D | 05/01/07 | 00:15 | 11:45 | (unrelated sample) |

# Instrument Performance Check (BFB)



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

**Sample:** MSN678-BFB
**Lab File ID:** N18731.D
**Instrument ID:** GCMSN
**Injection Date:** 04/20/07
**Injection Time:** 14:54

| m/e | Ion Abundance Criteria | Raw Abundance | % Relative Abundance | | Pass/Fail |
|---|---|---|---|---|---|
| 50 | 15.0 - 40.0% of mass 95 | 14247 | 17.5 | | Pass |
| 75 | 30.0 - 60.0% of mass 95 | 36301 | 44.5 | | Pass |
| 95 | Base peak, 100% relative abundance | 81493 | 100.0 | | Pass |
| 96 | 5.0 - 9.0% of mass 95 | 5537 | 6.8 | | Pass |
| 173 | Less than 2.0% of mass 174 | 676 | 0.83 | (0.8) [a] | Pass |
| 174 | 50.0 - 150.0% of mass 95 | 84205 | 103.3 | | Pass |
| 175 | 5.0 - 9.0% of mass 174 | 6059 | 7.4 | (7.2) [a] | Pass |
| 176 | 95.0 - 101.0% of mass 174 | 82786 | 101.6 | (98.3) [a] | Pass |
| 177 | 5.0 - 9.0% of mass 176 | 5395 | 6.6 | (6.5) [b] | Pass |

(a) Value is % of mass 174
(b) Value is % of mass 176

**This check applies to the following Samples, MS, MSD, Blanks, and Standards:**

| Lab Sample ID | Lab File ID | Date Analyzed | Time Analyzed | Hours Lapsed | Client Sample ID |
|---|---|---|---|---|---|
| MSN678-ICC678 | N18732.D | 04/20/07 | 15:22 | 00:28 | Initial cal 100 |
| MSN678-IC678 | N18733.D | 04/20/07 | 15:51 | 00:57 | Initial cal 400 |
| MSN678-IC678 | N18734.D | 04/20/07 | 16:20 | 01:26 | Initial cal 200 |
| MSN678-IC678 | N18735.D | 04/20/07 | 16:48 | 01:54 | Initial cal 50 |
| MSN678-IC678 | N18736.D | 04/20/07 | 17:17 | 02:23 | Initial cal 25 |
| MSN678-IC678 | N18737.D | 04/20/07 | 17:44 | 02:50 | Initial cal 5 |
| MSN678-IC678 | N18738.D | 04/20/07 | 18:13 | 03:19 | Initial cal 2 |
| MSN678-IC678 | N18739.D | 04/20/07 | 18:41 | 03:47 | Initial cal 1 |
| MSN678-IC678 | N18740.D | 04/20/07 | 19:09 | 04:15 | Initial cal 0.5 |
| MSN678-ICV678 | N18741.D | 04/20/07 | 19:37 | 04:43 | Initial cal verification 50 |
| MSN678-BS | N18741.D | 04/20/07 | 19:37 | 04:43 | Blank Spike |
| MSN678-MB | N18743.D | 04/20/07 | 20:34 | 05:40 | Method Blank |
| ZZZZZZ | N18744.D | 04/20/07 | 21:02 | 06:08 | (unrelated sample) |
| M64029-7 | N18745.D | 04/20/07 | 21:30 | 06:36 | (used for QC only; not part of job M64162) |
| M64029-7MS | N18746.D | 04/20/07 | 21:58 | 07:04 | Matrix Spike |
| M64029-7MSD | N18747.D | 04/20/07 | 22:27 | 07:33 | Matrix Spike Duplicate |
| ZZZZZZ | N18748.D | 04/20/07 | 22:55 | 08:01 | (unrelated sample) |
| ZZZZZZ | N18749.D | 04/20/07 | 23:23 | 08:29 | (unrelated sample) |
| ZZZZZZ | N18750.D | 04/20/07 | 23:51 | 08:57 | (unrelated sample) |
| ZZZZZZ | N18751.D | 04/21/07 | 00:20 | 09:26 | (unrelated sample) |
| ZZZZZZ | N18752.D | 04/21/07 | 00:48 | 09:54 | (unrelated sample) |
| ZZZZZZ | N18753.D | 04/21/07 | 01:17 | 10:23 | (unrelated sample) |
| ZZZZZZ | N18754.D | 04/21/07 | 01:45 | 10:51 | (unrelated sample) |
| ZZZZZZ | N18755.D | 04/21/07 | 02:14 | 11:20 | (unrelated sample) |

# Instrument Performance Check (BFB)



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

**Sample:** MSN678-BFB
**Lab File ID:** N18731.D
**Instrument ID:** GCMSN
**Injection Date:** 04/20/07
**Injection Time:** 14:54

| Lab Sample ID | Lab File ID | Date Analyzed | Time Analyzed | Hours Lapsed | Client Sample ID |
|---|---|---|---|---|---|
| ZZZZZZ | N18756.D | 04/21/07 | 02:42 | 11:48 | (unrelated sample) |
| MSN679-CC678 | N18761.D | 04/21/07 | 15:07 | 24:13 | Continuing cal 100 |

# Instrument Performance Check (BFB)



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

**Sample:** MSN683-BFB
**Lab File ID:** N18881.D
**Instrument ID:** GCMSN
**Injection Date:** 04/26/07
**Injection Time:** 10:43



| m/e | Ion Abundance Criteria | Raw Abundance | % Relative Abundance | | Pass/Fail |
|---|---|---|---|---|---|
| 50 | 15.0 - 40.0% of mass 95 | 6481 | 16.1 | | Pass |
| 75 | 30.0 - 60.0% of mass 95 | 18600 | 46.1 | | Pass |
| 95 | Base peak, 100% relative abundance | 40336 | 100.0 | | Pass |
| 96 | 5.0 - 9.0% of mass 95 | 2907 | 7.2 | | Pass |
| 173 | Less than 2.0% of mass 174 | 242 | 0.6 | (0.66) [a] | Pass |
| 174 | 50.0 - 150.0% of mass 95 | 36400 | 90.2 | | Pass |
| 175 | 5.0 - 9.0% of mass 174 | 2602 | 6.5 | (7.1) [a] | Pass |
| 176 | 95.0 - 101.0% of mass 174 | 35496 | 88.0 | (97.5) [a] | Pass |
| 177 | 5.0 - 9.0% of mass 176 | 2276 | 5.6 | (6.4) [b] | Pass |

(a) Value is % of mass 174
(b) Value is % of mass 176

**This check applies to the following Samples, MS, MSD, Blanks, and Standards:**

| Lab Sample ID | Lab File ID | Date Analyzed | Time Analyzed | Hours Lapsed | Client Sample ID |
|---|---|---|---|---|---|
| MSN683-CC678 | N18881.D | 04/26/07 | 10:43 | 00:00 | Continuing cal 100 |
| MSN683-BS | N18882.D | 04/26/07 | 11:30 | 00:47 | Blank Spike |
| MSN683-BSD | N18883.D | 04/26/07 | 12:00 | 01:17 | Blank Spike Duplicate |
| MSN683-MB | N18885.D | 04/26/07 | 12:58 | 02:15 | Method Blank |
| ZZZZZZ | N18886.D | 04/26/07 | 13:26 | 02:43 | (unrelated sample) |
| ZZZZZZ | N18887.D | 04/26/07 | 13:55 | 03:12 | (unrelated sample) |
| ZZZZZZ | N18888.D | 04/26/07 | 14:24 | 03:41 | (unrelated sample) |
| ZZZZZZ | N18889.D | 04/26/07 | 14:53 | 04:10 | (unrelated sample) |
| M64073-9 | N18890.D | 04/26/07 | 15:22 | 04:39 | (used for QC only; not part of job M64162) |
| M64162-18 | N18891.D | 04/26/07 | 15:51 | 05:08 | 045162-GEO2 |
| M64073-9MS | N18892.D | 04/26/07 | 16:20 | 05:37 | Matrix Spike |
| M64073-9MSD | N18893.D | 04/26/07 | 16:49 | 06:06 | Matrix Spike Duplicate |
| ZZZZZZ | N18894.D | 04/26/07 | 17:18 | 06:35 | (unrelated sample) |
| ZZZZZZ | N18895.D | 04/26/07 | 17:45 | 07:02 | (unrelated sample) |
| ZZZZZZ | N18896.D | 04/26/07 | 18:14 | 07:31 | (unrelated sample) |
| ZZZZZZ | N18897.D | 04/26/07 | 18:42 | 07:59 | (unrelated sample) |
| ZZZZZZ | N18898.D | 04/26/07 | 19:09 | 08:26 | (unrelated sample) |
| ZZZZZZ | N18899.D | 04/26/07 | 19:37 | 08:54 | (unrelated sample) |
| ZZZZZZ | N18900.D | 04/26/07 | 20:05 | 09:22 | (unrelated sample) |
| ZZZZZZ | N18901.D | 04/26/07 | 20:33 | 09:50 | (unrelated sample) |
| ZZZZZZ | N18905.D | 04/26/07 | 22:24 | 11:41 | (unrelated sample) |

# Instrument Performance Check (BFB)



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

**Sample:** MSN684-BFB
**Lab File ID:** N18908.D
**Instrument ID:** GCMSN
**Injection Date:** 04/27/07
**Injection Time:** 10:08



| m/e | Ion Abundance Criteria | Raw Abundance | % Relative Abundance | | Pass/Fail |
|---|---|---|---|---|---|
| 50 | 15.0 - 40.0% of mass 95 | 7986 | 18.9 | | Pass |
| 75 | 30.0 - 60.0% of mass 95 | 20130 | 47.8 | | Pass |
| 95 | Base peak, 100% relative abundance | 42144 | 100.0 | | Pass |
| 96 | 5.0 - 9.0% of mass 95 | 2821 | 6.7 | | Pass |
| 173 | Less than 2.0% of mass 174 | 206 | 0.49 | (0.48) [a] | Pass |
| 174 | 50.0 - 150.0% of mass 95 | 42574 | 101.0 | | Pass |
| 175 | 5.0 - 9.0% of mass 174 | 2986 | 7.1 | (7.0) [a] | Pass |
| 176 | 95.0 - 101.0% of mass 174 | 40898 | 97.0 | (96.1) [a] | Pass |
| 177 | 5.0 - 9.0% of mass 176 | 2861 | 6.8 | (7.0) [b] | Pass |

(a) Value is % of mass 174
(b) Value is % of mass 176

**This check applies to the following Samples, MS, MSD, Blanks, and Standards:**

| Lab Sample ID | Lab File ID | Date Analyzed | Time Analyzed | Hours Lapsed | Client Sample ID |
|---|---|---|---|---|---|
| MSN684-CC678 | N18908.D | 04/27/07 | 10:08 | 00:00 | Continuing cal 100 |
| MSN684-BSD | N18909.D | 04/27/07 | 10:36 | 00:28 | Blank Spike Duplicate |
| MSN684-BS | N18910.D | 04/27/07 | 11:04 | 00:56 | Blank Spike |
| MSN684-MB | N18912.D | 04/27/07 | 12:01 | 01:53 | Method Blank |
| ZZZZZZ | N18913.D | 04/27/07 | 12:30 | 02:22 | (unrelated sample) |
| M64162-1 | N18914.D | 04/27/07 | 12:59 | 02:51 | 045162-MW101 |
| M64162-2 | N18915.D | 04/27/07 | 13:28 | 03:20 | 045162-MW102 |
| M64162-6 | N18916.D | 04/27/07 | 13:57 | 03:49 | 045162-MW106 |
| M64162-7 | N18917.D | 04/27/07 | 14:27 | 04:19 | 045162-MW107 |
| M64162-14 | N18918.D | 04/27/07 | 14:56 | 04:48 | 045162-MW114 |
| M64162-15 | N18919.D | 04/27/07 | 15:25 | 05:17 | 045162-MW115 |
| M64162-28 | N18920.D | 04/27/07 | 15:54 | 05:46 | 045162-MW900 |
| ZZZZZZ | N18921.D | 04/27/07 | 16:24 | 06:16 | (unrelated sample) |
| ZZZZZZ | N18922.D | 04/27/07 | 16:52 | 06:44 | (unrelated sample) |
| ZZZZZZ | N18923.D | 04/27/07 | 17:20 | 07:12 | (unrelated sample) |
| M64100-1 | N18924.D | 04/27/07 | 17:48 | 07:40 | (used for QC only; not part of job M64162) |
| M64100-1MS | N18925.D | 04/27/07 | 18:16 | 08:08 | Matrix Spike |
| M64100-1MSD | N18926.D | 04/27/07 | 18:44 | 08:36 | Matrix Spike Duplicate |
| ZZZZZZ | N18927.D | 04/27/07 | 19:12 | 09:04 | (unrelated sample) |
| ZZZZZZ | N18928.D | 04/27/07 | 19:40 | 09:32 | (unrelated sample) |
| ZZZZZZ | N18929.D | 04/27/07 | 20:07 | 09:59 | (unrelated sample) |
| ZZZZZZ | N18930.D | 04/27/07 | 20:35 | 10:27 | (unrelated sample) |
| ZZZZZZ | N18931.D | 04/27/07 | 21:03 | 10:55 | (unrelated sample) |
| ZZZZZZ | N18932.D | 04/27/07 | 21:31 | 11:23 | (unrelated sample) |

# Instrument Performance Check (BFB)



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

**Sample:** MSN684-BFB
**Lab File ID:** N18908.D
**Instrument ID:** GCMSN
**Injection Date:** 04/27/07
**Injection Time:** 10:08

| Lab Sample ID | Lab File ID | Date Analyzed | Time Analyzed | Hours Lapsed | Client Sample ID |
|---|---|---|---|---|---|
| ZZZZZZ | N18933.D | 04/27/07 | 21:59 | 11:51 | (unrelated sample) |
| MSN685-CC681 | N18938.D | 04/28/07 | 10:46 | 24:38 | Continuing cal 100 |

# Instrument Performance Check (BFB)



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

**Sample:** MSP577-BFB
**Lab File ID:** P16879.D
**Instrument ID:** GCMSP
**Injection Date:** 04/17/07
**Injection Time:** 16:04

| m/e | Ion Abundance Criteria | Raw Abundance | % Relative Abundance | | Pass/Fail |
|---|---|---|---|---|---|
| 50 | 15.0 - 40.0% of mass 95 | 26656 | 28.5 | | Pass |
| 75 | 30.0 - 60.0% of mass 95 | 54672 | 58.4 | | Pass |
| 95 | Base peak, 100% relative abundance | 93616 | 100.0 | | Pass |
| 96 | 5.0 - 9.0% of mass 95 | 6034 | 6.4 | | Pass |
| 173 | Less than 2.0% of mass 174 | 808 | 0.86 | (1.3) [a] | Pass |
| 174 | 50.0 - 100.0% of mass 95 | 62344 | 66.6 | | Pass |
| 175 | 5.0 - 9.0% of mass 174 | 4110 | 4.4 | (6.6) [a] | Pass |
| 176 | 95.0 - 101.0% of mass 174 | 61120 | 65.3 | (98.0) [a] | Pass |
| 177 | 5.0 - 9.0% of mass 176 | 3838 | 4.1 | (6.3) [b] | Pass |

(a) Value is % of mass 174
(b) Value is % of mass 176

**This check applies to the following Samples, MS, MSD, Blanks, and Standards:**

| Lab Sample ID | Lab File ID | Date Analyzed | Time Analyzed | Hours Lapsed | Client Sample ID |
|---|---|---|---|---|---|
| MSP577-IC577 | P16880.D | 04/17/07 | 17:08 | 01:04 | Initial cal 0.5 |
| MSP577-IC577 | P16881.D | 04/17/07 | 17:36 | 01:32 | Initial cal 1 |
| MSP577-IC577 | P16882.D | 04/17/07 | 18:04 | 02:00 | Initial cal 2 |
| MSP577-IC577 | P16883.D | 04/17/07 | 18:33 | 02:29 | Initial cal 5 |
| MSP577-IC577 | P16884.D | 04/17/07 | 19:01 | 02:57 | Initial cal 25 |
| MSP577-IC577 | P16885.D | 04/17/07 | 19:30 | 03:26 | Initial cal 400 |
| MSP577-IC577 | P16886.D | 04/17/07 | 19:58 | 03:54 | Initial cal 200 |
| MSP577-ICC577 | P16887.D | 04/17/07 | 20:26 | 04:22 | Initial cal 100 |
| MSP577-IC577 | P16888.D | 04/17/07 | 20:55 | 04:51 | Initial cal 50 |
| MSP577-ICV577 | P16889.D | 04/17/07 | 21:23 | 05:19 | Initial cal verification 50 |

# Instrument Performance Check (BFB)



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

**Sample:** MSP589-BFB
**Lab File ID:** P17197.D
**Instrument ID:** GCMSP
**Injection Date:** 04/26/07
**Injection Time:** 09:41

| m/e | Ion Abundance Criteria | Raw Abundance | % Relative Abundance | | Pass/Fail |
|---|---|---|---|---|---|
| 50 | 15.0 - 40.0% of mass 95 | 16868 | 26.3 | | Pass |
| 75 | 30.0 - 60.0% of mass 95 | 33672 | 52.5 | | Pass |
| 95 | Base peak, 100% relative abundance | 64172 | 100.0 | | Pass |
| 96 | 5.0 - 9.0% of mass 95 | 4074 | 6.3 | | Pass |
| 173 | Less than 2.0% of mass 174 | 85 | 0.13 | (0.21) [a] | Pass |
| 174 | 50.0 - 100.0% of mass 95 | 39770 | 62.0 | | Pass |
| 175 | 5.0 - 9.0% of mass 174 | 3494 | 5.4 | (8.8) [a] | Pass |
| 176 | 95.0 - 101.0% of mass 174 | 39856 | 62.1 | (100.2) [a] | Pass |
| 177 | 5.0 - 9.0% of mass 176 | 3075 | 4.8 | (7.7) [b] | Pass |

(a) Value is % of mass 174
(b) Value is % of mass 176

**This check applies to the following Samples, MS, MSD, Blanks, and Standards:**

| Lab Sample ID | Lab File ID | Date Analyzed | Time Analyzed | Hours Lapsed | Client Sample ID |
|---|---|---|---|---|---|
| MSP589-CC577 | P17197.D | 04/26/07 | 09:41 | 00:00 | Continuing cal 100 |
| MSP589-BS | P17198.D | 04/26/07 | 10:38 | 00:57 | Blank Spike |
| MSP589-BSD | P17199.D | 04/26/07 | 11:07 | 01:26 | Blank Spike Duplicate |
| MSP589-MB | P17201.D | 04/26/07 | 12:05 | 02:24 | Method Blank |
| M64162-30 | P17202.D | 04/26/07 | 12:34 | 02:53 | TRIP BLANK |
| M64162-13 | P17203.D | 04/26/07 | 13:03 | 03:22 | 045162-MW113 |
| M64162-17 | P17204.D | 04/26/07 | 13:31 | 03:50 | 045162-GEO1 |
| M64162-23 | P17206.D | 04/26/07 | 14:29 | 04:48 | 045162-SHMW1 |
| M64162-25 | P17207.D | 04/26/07 | 14:58 | 05:17 | 045162-SHMW3 |
| M64162-1 | P17208.D | 04/26/07 | 15:27 | 05:46 | 045162-MW101 |
| M64162-17 | P17209.D | 04/26/07 | 15:56 | 06:15 | 045162-GEO1 |
| M64162-23 | P17210.D | 04/26/07 | 16:26 | 06:45 | 045162-SHMW1 |
| M64162-25 | P17211.D | 04/26/07 | 16:55 | 07:14 | 045162-SHMW3 |
| M64162-3 | P17213.D | 04/26/07 | 17:56 | 08:15 | 045162-MW103 |
| M64162-4 | P17214.D | 04/26/07 | 18:24 | 08:43 | 045162-MW104 |
| M64162-6 | P17215.D | 04/26/07 | 18:52 | 09:11 | 045162-MW106 |
| M64162-13MS | P17217.D | 04/26/07 | 19:48 | 10:07 | Matrix Spike |
| M64162-13MSD | P17218.D | 04/26/07 | 20:16 | 10:35 | Matrix Spike Duplicate |
| M64162-19 | P17221.D | 04/26/07 | 21:39 | 11:58 | 045162-GEO3 |
| M64162-28 | P17222.D | 04/26/07 | 22:08 | 12:27 | 045162-MW900 |

# Volatile Internal Standard Area Summary



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

| | | | |
|---|---|---|---|
| **Check Std:** | MSG2784-CC2782 | **Injection Date:** | 04/27/07 |
| **Lab File ID:** | G69215.D | **Injection Time:** | 12:35 |
| **Instrument ID:** | GCMSG | **Method:** | SW846 8260B |

| | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT | IS 4 AREA | RT | IS 5 AREA | RT |
|---|---|---|---|---|---|---|---|---|---|---|
| Check Std | 423049 | 8.74 | 593416 | 9.61 | 307619 | 12.86 | 362126 | 15.43 | 104409 | 6.39 |
| Upper Limit [a] | 846098 | 9.24 | 1186832 | 10.11 | 615238 | 13.36 | 724252 | 15.93 | 208818 | 6.89 |
| Lower Limit [b] | 211525 | 8.24 | 296708 | 9.11 | 153810 | 12.36 | 181063 | 14.93 | 52205 | 5.89 |

| Lab Sample ID | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT | IS 4 AREA | RT | IS 5 AREA | RT |
|---|---|---|---|---|---|---|---|---|---|---|
| MSG2784-BS | 451136 | 8.74 | 627226 | 9.61 | 323639 | 12.86 | 369494 | 15.42 | 137056 | 6.41 |
| MSG2784-BSD | 434000 | 8.74 | 604717 | 9.61 | 315517 | 12.86 | 362936 | 15.42 | 146831 | 6.38 |
| MSG2784-MB | 396286 | 8.74 | 553868 | 9.61 | 287752 | 12.86 | 325264 | 15.42 | 114536 | 6.47 |
| ZZZZZZ | 397493 | 8.74 | 553347 | 9.61 | 285423 | 12.86 | 321679 | 15.42 | 99680 | 6.47 |
| ZZZZZZ | 402262 | 8.74 | 562565 | 9.61 | 293102 | 12.86 | 330722 | 15.42 | 95728 | 6.45 |
| ZZZZZZ | 391858 | 8.74 | 550760 | 9.61 | 291461 | 12.86 | 325341 | 15.42 | 100585 | 6.43 |
| ZZZZZZ | 383819 | 8.74 | 536788 | 9.61 | 282315 | 12.86 | 318143 | 15.43 | 111026 | 6.38 |
| ZZZZZZ | 408394 | 8.74 | 571995 | 9.61 | 297429 | 12.86 | 339018 | 15.42 | 128328 | 6.38 |
| ZZZZZZ | 431244 | 8.74 | 607099 | 9.61 | 313278 | 12.86 | 347014 | 15.42 | 118505 | 6.37 |
| ZZZZZZ | 445256 | 8.74 | 625891 | 9.61 | 317604 | 12.86 | 354564 | 15.42 | 116520 | 6.39 |
| ZZZZZZ | 448585 | 8.74 | 629844 | 9.61 | 326940 | 12.86 | 360403 | 15.42 | 99142 | 6.43 |
| M64162-16 | 438139 | 8.74 | 601169 | 9.61 | 318305 | 12.86 | 347998 | 15.42 | 76047 | 6.44 |
| M64162-16MS | 471410 | 8.74 | 658235 | 9.61 | 336998 | 12.86 | 394184 | 15.42 | 93500 | 6.44 |
| M64162-16MSD | 484714 | 8.74 | 675859 | 9.61 | 345077 | 12.86 | 406135 | 15.42 | 113290 | 6.41 |
| ZZZZZZ | 483324 | 8.74 | 672852 | 9.61 | 349774 | 12.86 | 401210 | 15.42 | 104980 | 6.41 |
| ZZZZZZ | 520057 | 8.74 | 720181 | 9.61 | 361278 | 12.86 | 411234 | 15.42 | 110503 | 6.49 |
| M64162-5 | 480191 | 8.74 | 673696 | 9.61 | 338753 | 12.86 | 385902 | 15.42 | 96583 | 6.52 |
| M64162-8 | 470207 | 8.74 | 657445 | 9.61 | 340767 | 12.86 | 380315 | 15.42 | 86268 | 6.49 |
| M64162-9 | 453716 | 8.74 | 634952 | 9.61 | 322296 | 12.86 | 367235 | 15.42 | 97830 | 6.48 |
| M64162-10 | 439396 | 8.74 | 620369 | 9.61 | 321109 | 12.86 | 352512 | 15.42 | 44574[c] | 6.64 |
| M64162-12 | 429675 | 8.74 | 605912 | 9.61 | 317859 | 12.86 | 355034 | 15.42 | 51465[c] | 6.65 |

**IS 1** = Pentafluorobenzene
**IS 2** = 1,4-Difluorobenzene
**IS 3** = Chlorobenzene-D5
**IS 4** = 1,4-Dichlorobenzene-d4
**IS 5** = Tert Butyl Alcohol-D9

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Target analytes not associated with this internal standard.

# Volatile Internal Standard Area Summary



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

| | | | |
|---|---|---|---|
| **Check Std:** | MSG2785-CC2782 | **Injection Date:** | 04/30/07 |
| **Lab File ID:** | G69286.D | **Injection Time:** | 12:30 |
| **Instrument ID:** | GCMSG | **Method:** | SW846 8260B |

| | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT | IS 4 AREA | RT | IS 5 AREA | RT |
|---|---|---|---|---|---|---|---|---|---|---|
| Check Std | 492233 | 8.74 | 681091 | 9.61 | 332796 | 12.86 | 384005 | 15.42 | 96358 | 6.46 |
| Upper Limit [a] | 984466 | 9.24 | 1362182 | 10.11 | 665592 | 13.36 | 768010 | 15.92 | 192716 | 6.96 |
| Lower Limit [b] | 246117 | 8.24 | 340546 | 9.11 | 166398 | 12.36 | 192003 | 14.92 | 48179 | 5.96 |

| Lab Sample ID | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT | IS 4 AREA | RT | IS 5 AREA | RT |
|---|---|---|---|---|---|---|---|---|---|---|
| MSG2785-BS | 482631 | 8.74 | 669954 | 9.61 | 323110 | 12.86 | 384235 | 15.42 | 120912 | 6.50 |
| MSG2785-BSD | 478635 | 8.74 | 658157 | 9.61 | 322759 | 12.86 | 384669 | 15.42 | 104936 | 6.48 |
| MSG2785-MB | 445850 | 8.74 | 609525 | 9.61 | 307130 | 12.86 | 356231 | 15.42 | 89447 | 6.57 |
| M64162-26 | 447969 | 8.74 | 619188 | 9.61 | 313268 | 12.86 | 351335 | 15.42 | 87315 | 6.54 |
| M64162-20 | 443720 | 8.74 | 611880 | 9.61 | 310943 | 12.86 | 350055 | 15.42 | 75971 | 6.53 |
| M64162-27 | 427153 | 8.74 | 587597 | 9.61 | 306186 | 12.86 | 344221 | 15.42 | 78544 | 6.51 |
| M64162-20 | 425775 | 8.74 | 591216 | 9.61 | 297908 | 12.86 | 337453 | 15.42 | 71431 | 6.46 |
| M64162-22 | 403024 | 8.74 | 557316 | 9.61 | 281762 | 12.86 | 324239 | 15.42 | 85300 | 6.47 |
| M64162-24 | 404750 | 8.74 | 561026 | 9.61 | 288981 | 12.86 | 327518 | 15.42 | 80676 | 6.46 |
| M64162-21 | 410726 | 8.74 | 567340 | 9.61 | 289031 | 12.86 | 326913 | 15.42 | 87508 | 6.43 |
| M64162-29 | 409843 | 8.74 | 565888 | 9.61 | 279156 | 12.86 | 324920 | 15.42 | 90279 | 6.39 |
| M64162-11 | 395570 | 8.74 | 551558 | 9.61 | 284380 | 12.86 | 321709 | 15.42 | 87261 | 6.42 |
| M64162-29 | 379660 | 8.74 | 526408 | 9.61 | 269530 | 12.86 | 309477 | 15.42 | 93638 | 6.38 |
| M64143-3 | 393993 | 8.74 | 548855 | 9.61 | 292367 | 12.86 | 347225 | 15.42 | 96200 | 6.37 |
| M64143-3MS | 454960 | 8.74 | 626557 | 9.61 | 322489 | 12.86 | 371101 | 15.43 | 130493 | 6.36 |
| M64143-3MSD | 471256 | 8.74 | 644422 | 9.61 | 321660 | 12.86 | 379600 | 15.42 | 135469 | 6.37 |
| ZZZZZZ | 472397 | 8.74 | 644437 | 9.61 | 326911 | 12.86 | 374573 | 15.43 | 136764 | 6.37 |
| ZZZZZZ | 476726 | 8.74 | 644918 | 9.61 | 322279 | 12.86 | 375333 | 15.42 | 111302 | 6.50 |
| ZZZZZZ | 464282 | 8.74 | 630882 | 9.61 | 323932 | 12.86 | 383749 | 15.42 | 108599 | 6.50 |
| ZZZZZZ | 481735 | 8.74 | 655569 | 9.61 | 328679 | 12.86 | 381181 | 15.42 | 116423 | 6.51 |
| ZZZZZZ | 469448 | 8.74 | 641878 | 9.61 | 322951 | 12.86 | 376649 | 15.42 | 111835 | 6.50 |
| ZZZZZZ | 458848 | 8.74 | 623974 | 9.61 | 315528 | 12.86 | 367743 | 15.42 | 96553 | 6.51 |

**IS 1** = Pentafluorobenzene
**IS 2** = 1,4-Difluorobenzene
**IS 3** = Chlorobenzene-D5
**IS 4** = 1,4-Dichlorobenzene-d4
**IS 5** = Tert Butyl Alcohol-D9

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

# Volatile Internal Standard Area Summary



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

| | | | |
|---|---|---|---|
| **Check Std:** | MSN683-CC678 | **Injection Date:** | 04/26/07 |
| **Lab File ID:** | N18881.D | **Injection Time:** | 10:43 |
| **Instrument ID:** | GCMSN | **Method:** | SW846 8260B |

| | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT | IS 4 AREA | RT | IS 5 AREA | RT |
|---|---|---|---|---|---|---|---|---|---|---|
| Check Std | 119598 | 8.28 | 171325 | 9.14 | 96865 | 12.38 | 137933 | 14.94 | 59636 | 5.86 |
| Upper Limit [a] | 239196 | 8.78 | 342650 | 9.64 | 193730 | 12.88 | 275866 | 15.44 | 119272 | 6.36 |
| Lower Limit [b] | 59799 | 7.78 | 85663 | 8.64 | 48433 | 11.88 | 68967 | 14.44 | 29818 | 5.36 |

| Lab Sample ID | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT | IS 4 AREA | RT | IS 5 AREA | RT |
|---|---|---|---|---|---|---|---|---|---|---|
| MSN683-BS | 134455 | 8.27 | 190591 | 9.13 | 105564 | 12.38 | 132113 | 14.94 | 76736 | 5.85 |
| MSN683-BSD | 139096 | 8.28 | 196880 | 9.14 | 109609 | 12.38 | 137603 | 14.94 | 80506 | 5.86 |
| MSN683-MB | 126024 | 8.28 | 176368 | 9.14 | 94718 | 12.38 | 107655 | 14.94 | 71104 | 5.86 |
| ZZZZZZ | 118696 | 8.28 | 165554 | 9.14 | 87834 | 12.38 | 104042 | 14.94 | 63280 | 5.85 |
| ZZZZZZ | 114588 | 8.28 | 161643 | 9.14 | 88511 | 12.38 | 98885 | 14.94 | 62502 | 5.86 |
| ZZZZZZ | 108793 | 8.27 | 156111 | 9.14 | 86047 | 12.38 | 96109 | 14.94 | 58450 | 5.85 |
| ZZZZZZ | 106447 | 8.28 | 152382 | 9.14 | 80343 | 12.38 | 93530 | 14.94 | 59791 | 5.86 |
| M64073-9 | 104266 | 8.28 | 148244 | 9.14 | 79857 | 12.38 | 88861 | 14.94 | 56617 | 5.86 |
| M64162-18 | 100930 | 8.28 | 144718 | 9.14 | 79794 | 12.38 | 89705 | 14.94 | 55577 | 5.85 |
| M64073-9MS | 110239 | 8.28 | 158172 | 9.13 | 89517 | 12.38 | 118051 | 14.94 | 56840 | 5.85 |
| M64073-9MSD | 117797 | 8.27 | 169755 | 9.14 | 94138 | 12.38 | 123643 | 14.94 | 68261 | 5.86 |
| ZZZZZZ | 117118 | 8.28 | 163948 | 9.14 | 88630 | 12.38 | 100647 | 14.94 | 59206 | 5.86 |
| ZZZZZZ | 110991 | 8.28 | 158026 | 9.14 | 85721 | 12.38 | 97195 | 14.94 | 58029 | 5.85 |
| ZZZZZZ | 109591 | 8.28 | 155278 | 9.14 | 83258 | 12.38 | 96954 | 14.94 | 45050 | 5.85 |
| ZZZZZZ | 107127 | 8.28 | 150922 | 9.13 | 81774 | 12.38 | 93967 | 14.94 | 39928 | 5.85 |
| ZZZZZZ | 100812 | 8.27 | 145310 | 9.13 | 79193 | 12.38 | 89417 | 14.94 | 35152 | 5.86 |
| ZZZZZZ | 97136 | 8.27 | 138203 | 9.14 | 76416 | 12.38 | 86552 | 14.94 | 32455 | 5.86 |
| ZZZZZZ | 95942 | 8.27 | 137504 | 9.14 | 76716 | 12.38 | 84224 | 14.94 | 31868 | 5.85 |
| ZZZZZZ | 95175 | 8.28 | 133603 | 9.14 | 74666 | 12.38 | 87005 | 14.94 | 28235[c] | 5.85 |
| ZZZZZZ | 91299 | 8.28 | 132494 | 9.14 | 73558 | 12.38 | 84042 | 14.94 | 31494 | 5.85 |

**IS 1** = Pentafluorobenzene
**IS 2** = 1,4-Difluorobenzene
**IS 3** = Chlorobenzene-D5
**IS 4** = 1,4-Dichlorobenzene-d4
**IS 5** = Tert Butyl Alcohol-D9

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Target analytes not associated with this internal standard.

# Volatile Internal Standard Area Summary



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

| | | | |
|---|---|---|---|
| **Check Std:** | MSN684-CC678 | **Injection Date:** | 04/27/07 |
| **Lab File ID:** | N18908.D | **Injection Time:** | 10:08 |
| **Instrument ID:** | GCMSN | **Method:** | SW846 8260B |

| | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT | IS 4 AREA | RT | IS 5 AREA | RT |
|---|---|---|---|---|---|---|---|---|---|---|
| Check Std | 102107 | 8.28 | 147759 | 9.14 | 85576 | 12.38 | 123557 | 14.94 | 37280 | 5.85 |
| Upper Limit [a] | 204214 | 8.78 | 295518 | 9.64 | 171152 | 12.88 | 247114 | 15.44 | 74560 | 6.35 |
| Lower Limit [b] | 51054 | 7.78 | 73880 | 8.64 | 42788 | 11.88 | 61779 | 14.44 | 18640 | 5.35 |

| Lab Sample ID | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT | IS 4 AREA | RT | IS 5 AREA | RT |
|---|---|---|---|---|---|---|---|---|---|---|
| MSN684-BSD | 118308 | 8.28 | 169114 | 9.14 | 95764 | 12.38 | 122917 | 14.94 | 50805 | 5.85 |
| MSN684-BS | 127949 | 8.28 | 181664 | 9.14 | 101427 | 12.38 | 127278 | 14.94 | 59657 | 5.85 |
| MSN684-MB | 112903 | 8.27 | 157756 | 9.14 | 85351 | 12.38 | 97706 | 14.94 | 56399 | 5.86 |
| ZZZZZZ | 111119 | 8.27 | 154530 | 9.14 | 81826 | 12.38 | 92235 | 14.94 | 49827 | 5.86 |
| M64162-1 | 103713 | 8.28 | 148066 | 9.14 | 81291 | 12.38 | 92953 | 14.94 | 64166 | 5.86 |
| M64162-2 | 99758 | 8.28 | 144697 | 9.14 | 78626 | 12.38 | 86822 | 14.94 | 65061 | 5.85 |
| M64162-6 | 95823 | 8.27 | 137295 | 9.14 | 75375 | 12.38 | 83675 | 14.94 | 62770 | 5.86 |
| M64162-7 | 93708 | 8.28 | 133026 | 9.14 | 75083 | 12.38 | 83874 | 14.94 | 65545 | 5.86 |
| M64162-14 | 93315 | 8.28 | 133252 | 9.14 | 73586 | 12.38 | 80440 | 14.94 | 60500 | 5.86 |
| M64162-15 | 89389 | 8.28 | 128342 | 9.14 | 70611 | 12.38 | 79120 | 14.94 | 53055 | 5.86 |
| M64162-28 | 89992 | 8.28 | 127621 | 9.14 | 71295 | 12.38 | 79667 | 14.94 | 53730 | 5.85 |
| ZZZZZZ | 87641 | 8.28 | 124857 | 9.14 | 70143 | 12.38 | 76057 | 14.94 | 55902 | 5.86 |
| ZZZZZZ | 84034 | 8.27 | 122505 | 9.14 | 67008 | 12.38 | 76849 | 14.94 | 44904 | 5.85 |
| ZZZZZZ | 84728 | 8.28 | 119439 | 9.14 | 67266 | 12.38 | 75160 | 14.94 | 34879 | 5.85 |
| M64100-1 | 80884 | 8.28 | 118047 | 9.14 | 65057 | 12.38 | 75344 | 14.94 | 30617 | 5.86 |
| M64100-1MS | 91433 | 8.28 | 130745 | 9.13 | 75678 | 12.38 | 99146 | 14.94 | 33697 | 5.85 |
| M64100-1MSD | 102494 | 8.28 | 149908 | 9.13 | 85156 | 12.38 | 107562 | 14.94 | 40220 | 5.86 |
| ZZZZZZ | 98314 | 8.28 | 141691 | 9.14 | 77626 | 12.38 | 87047 | 14.94 | 39828 | 5.86 |
| ZZZZZZ | 92920 | 8.27 | 134580 | 9.14 | 74452 | 12.38 | 84540 | 14.94 | 37590 | 5.85 |
| ZZZZZZ | 93681 | 8.28 | 136922 | 9.14 | 74098 | 12.38 | 84625 | 14.94 | 34093 | 5.85 |
| ZZZZZZ | 92219 | 8.28 | 132356 | 9.14 | 71180 | 12.38 | 82154 | 14.94 | 34013 | 5.86 |
| ZZZZZZ | 90232 | 8.28 | 131047 | 9.14 | 69658 | 12.38 | 79058 | 14.94 | 32680 | 5.86 |
| ZZZZZZ | 90519 | 8.28 | 131805 | 9.14 | 71476 | 12.38 | 81538 | 14.94 | 34284 | 5.85 |
| ZZZZZZ | 87126 | 8.28 | 129083 | 9.14 | 70780 | 12.38 | 87420 | 14.94 | 61189 | 5.89 |

**IS 1** = Pentafluorobenzene
**IS 2** = 1,4-Difluorobenzene
**IS 3** = Chlorobenzene-D5
**IS 4** = 1,4-Dichlorobenzene-d4
**IS 5** = Tert Butyl Alcohol-D9

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

# Volatile Internal Standard Area Summary



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

| | | | |
|---|---|---|---|
| **Check Std:** | MSP589-CC577 | **Injection Date:** | 04/26/07 |
| **Lab File ID:** | P17197.D | **Injection Time:** | 09:41 |
| **Instrument ID:** | GCMSP | **Method:** | SW846 8260B |

| | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT | IS 4 AREA | RT | IS 5 AREA | RT |
|---|---|---|---|---|---|---|---|---|---|---|
| Check Std | 149711 | 9.00 | 252213 | 9.87 | 176921 | 13.12 | 132827 | 15.69 | 128102 | 6.61 |
| Upper Limit [a] | 299422 | 9.50 | 504426 | 10.37 | 353842 | 13.62 | 265654 | 16.19 | 256204 | 7.11 |
| Lower Limit [b] | 74856 | 8.50 | 126107 | 9.37 | 88461 | 12.62 | 66414 | 15.19 | 64051 | 6.11 |

| Lab Sample ID | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT | IS 4 AREA | RT | IS 5 AREA | RT |
|---|---|---|---|---|---|---|---|---|---|---|
| MSP589-BS | 154669 | 9.00 | 256795 | 9.87 | 169150 | 13.13 | 131535 | 15.69 | 136087 | 6.60 |
| MSP589-BSD | 152994 | 9.00 | 249999 | 9.87 | 166147 | 13.13 | 130810 | 15.69 | 136586 | 6.61 |
| MSP589-MB | 130497 | 9.00 | 224520 | 9.88 | 141850 | 13.13 | 105053 | 15.69 | 120837 | 6.62 |
| M64162-30 | 126927 | 9.00 | 216018 | 9.87 | 138511 | 13.13 | 104151 | 15.69 | 123540 | 6.62 |
| M64162-13 | 120861 | 9.00 | 204420 | 9.88 | 134698 | 13.13 | 100213 | 15.69 | 115020 | 6.62 |
| M64162-17 | 127064 | 9.01 | 221525 | 9.87 | 156724 | 13.13 | 114317 | 15.69 | 107850 | 6.62 |
| M64162-23 | 118900 | 9.00 | 203351 | 9.87 | 139218 | 13.13 | 103364 | 15.69 | 97665 | 6.61 |
| M64162-25 | 120369 | 9.00 | 203765 | 9.87 | 134153 | 13.13 | 101266 | 15.69 | 80574 | 6.61 |
| M64162-1 | 114698 | 9.00 | 191830 | 9.88 | 127932 | 13.13 | 92439 | 15.69 | 90873 | 6.62 |
| M64162-17 | 109486 | 9.00 | 192235 | 9.88 | 125949 | 13.13 | 91772 | 15.69 | 99769 | 6.61 |
| M64162-23 | 107303 | 9.00 | 187847 | 9.88 | 124624 | 13.13 | 88976 | 15.69 | 90265 | 6.61 |
| M64162-25 | 108673 | 9.00 | 177130 | 9.87 | 119002 | 13.13 | 86677 | 15.69 | 85154 | 6.62 |
| M64162-3 | 102624 | 9.00 | 173963 | 9.88 | 121325 | 13.13 | 84728 | 15.69 | 67818 | 6.61 |
| M64162-4 | 104453 | 9.00 | 176906 | 9.88 | 118624 | 13.13 | 84117 | 15.69 | 57653[c] | 6.61 |
| M64162-6 | 100169 | 9.01 | 172393 | 9.88 | 111788 | 13.13 | 80674 | 15.69 | 51058[c] | 6.62 |
| M64162-13MS | 117840 | 9.00 | 201633 | 9.87 | 139328 | 13.13 | 110222 | 15.69 | 70925 | 6.63 |
| M64162-13MSD | 126819 | 9.00 | 221074 | 9.87 | 149922 | 13.13 | 115505 | 15.69 | 67841 | 6.63 |
| M64162-19 | 114091 | 9.00 | 195191 | 9.88 | 128182 | 13.13 | 90087 | 15.69 | 43075[c] | 6.63 |
| M64162-28 | 107365 | 9.00 | 187462 | 9.88 | 125731 | 13.13 | 88525 | 15.69 | 55462[c] | 6.63 |

**IS 1** = Pentafluorobenzene
**IS 2** = 1,4-Difluorobenzene
**IS 3** = Chlorobenzene-D5
**IS 4** = 1,4-Dichlorobenzene-d4
**IS 5** = Tert Butyl Alcohol-D9

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Target analytes not associated with this internal standard.

# Volatile Surrogate Recovery Summary



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

**Method:** SW846 8260B **Matrix:** AQ

**Samples and QC shown here apply to the above method**

| Lab Sample ID | Lab File ID | S1 | S2 | S3 |
|---|---|---|---|---|
| M64162-1 | P17208.D | 110.0 | 102.0 | 98.0 |
| M64162-1 | N18914.D | 120.0 | 104.0 | 102.0 |
| M64162-2 | N18915.D | 120.0 | 103.0 | 108.0 |
| M64162-3 | P17213.D | 109.0 | 103.0 | 98.0 |
| M64162-4 | P17214.D | 110.0 | 103.0 | 99.0 |
| M64162-5 | G69236.D | 101.0 | 99.0 | 100.0 |
| M64162-6 | P17215.D | 106.0 | 103.0 | 101.0 |
| M64162-6 | N18916.D | 119.0 | 103.0 | 108.0 |
| M64162-7 | N18917.D | 119.0 | 104.0 | 105.0 |
| M64162-8 | G69237.D | 101.0 | 101.0 | 100.0 |
| M64162-9 | G69238.D | 102.0 | 99.0 | 98.0 |
| M64162-10 | G69239.D | 101.0 | 102.0 | 101.0 |
| M64162-11 | G69300.D | 102.0 | 100.0 | 97.0 |
| M64162-12 | G69240.D | 103.0 | 101.0 | 99.0 |
| M64162-13 | P17203.D | 102.0 | 102.0 | 96.0 |
| M64162-14 | N18918.D | 117.0 | 103.0 | 106.0 |
| M64162-15 | N18919.D | 119.0 | 104.0 | 105.0 |
| M64162-16 | G69230.D | 101.0 | 102.0 | 101.0 |
| M64162-17 | P17209.D | 112.0 | 102.0 | 95.0 |
| M64162-17 | P17204.D | 106.0 | 102.0 | 101.0 |
| M64162-18 | N18891.D | 122.0 | 105.0 | 105.0 |
| M64162-19 | P17221.D | 102.0 | 99.0 | 100.0 |
| M64162-20 | G69295.D | 100.0 | 99.0 | 97.0 |
| M64162-20 | G69293.D | 98.0 | 100.0 | 97.0 |
| M64162-21 | G69298.D | 100.0 | 100.0 | 96.0 |
| M64162-22 | G69296.D | 100.0 | 99.0 | 97.0 |
| M64162-23 | P17210.D | 110.0 | 101.0 | 99.0 |
| M64162-23 | P17206.D | 114.0 | 104.0 | 96.0 |
| M64162-24 | G69297.D | 102.0 | 100.0 | 96.0 |
| M64162-25 | P17211.D | 106.0 | 105.0 | 98.0 |
| M64162-25 | P17207.D | 112.0 | 101.0 | 96.0 |
| M64162-26 | G69292.D | 99.0 | 99.0 | 98.0 |
| M64162-27 | G69294.D | 101.0 | 101.0 | 98.0 |
| M64162-28 | P17222.D | 114.0 | 104.0 | 102.0 |
| M64162-28 | N18920.D | 121.0 | 103.0 | 102.0 |
| M64162-29 | G69301.D | 101.0 | 100.0 | 96.0 |
| M64162-29 | G69299.D | 101.0 | 97.0 | 96.0 |
| M64162-30 | P17202.D | 105.0 | 102.0 | 96.0 |
| M64164-9MS | N18892.D | 115.0 | 104.0 | 99.0 |
| M64164-9MSD | N18893.D | 117.0 | 102.0 | 99.0 |

# Volatile Surrogate Recovery Summary

**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

**Method:** SW846 8260B **Matrix:** AQ

**Samples and QC shown here apply to the above method**

| Lab Sample ID | Lab File ID | S1 | S2 | S3 |
|---|---|---|---|---|
| M64100-1MS | N18925.D | 117.0 | 105.0 | 99.0 |
| M64100-1MSD | N18926.D | 117.0 | 102.0 | 100.0 |
| M64143-3MS | G69303.D | 98.0 | 100.0 | 99.0 |
| M64143-3MSD | G69304.D | 97.0 | 98.0 | 98.0 |
| M64162-13MS | P17217.D | 110.0 | 101.0 | 99.0 |
| M64162-13MSD | P17218.D | 108.0 | 101.0 | 100.0 |
| M64162-16MS | G69231.D | 101.0 | 99.0 | 98.0 |
| M64162-16MSD | G69232.D | 101.0 | 99.0 | 98.0 |
| MSG2784-BS | G69216.D | 99.0 | 100.0 | 98.0 |
| MSG2784-BSD | G69217.D | 98.0 | 101.0 | 98.0 |
| MSG2784-MB | G69219.D | 101.0 | 101.0 | 99.0 |
| MSG2785-BS | G69288.D | 97.0 | 96.0 | 95.0 |
| MSG2785-BSD | G69289.D | 97.0 | 97.0 | 95.0 |
| MSG2785-MB | G69291.D | 98.0 | 100.0 | 97.0 |
| MSN683-BS | N18882.D | 109.0 | 99.0 | 101.0 |
| MSN683-BSD | N18883.D | 108.0 | 101.0 | 101.0 |
| MSN683-MB | N18885.D | 110.0 | 104.0 | 106.0 |
| MSN684-BS | N18910.D | 110.0 | 101.0 | 99.0 |
| MSN684-BSD | N18909.D | 111.0 | 102.0 | 99.0 |
| MSN684-MB | N18912.D | 116.0 | 104.0 | 106.0 |
| MSP589-BS | P17198.D | 103.0 | 99.0 | 99.0 |
| MSP589-BSD | P17199.D | 106.0 | 101.0 | 98.0 |
| MSP589-MB | P17201.D | 103.0 | 100.0 | 100.0 |

| Surrogate Compounds | Recovery Limits |
|---|---|
| **S1** = Dibromofluoromethane | 84-129% |
| **S2** = Toluene-D8 | 80-120% |
| **S3** = 4-Bromofluorobenzene | 82-118% |

# Initial Calibration Summary



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

**Sample:** MSG2782-ICC2782
**Lab FileID:** G69177.D

Response Factor Report 5973 G

```
Method       : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title        : SW-846 Method 8260
Last Update  : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration

Calibration Files
1ppb=G69171.D    2.0 =G69172.D    5   =G69173.D    50  =G69178.D
100 =G69177.D    200 =G69176.D    400 =G69175.D    0.5 =G69170.D
25  =G69174.D        =

 Compound
           1ppb  2.0   5     50    100   200   400   0.5   25      Avg    %RSD
-------------------------------------------------------------------------------

1) I   tert butyl alcohol-d9 ----------------ISTD---------------------
2)  tertiary butyl alcohol
          1.469 1.121 1.241 1.167 1.111 1.104 1.085       1.102   1.175   10.96

3) I   pentafluorobenzene    ----------------ISTD---------------------
4)  Ethanol
                0.002 0.001 0.003 0.003 0.002 0.002       0.002   0.002   22.85
           ----- Linear regression -----  Coefficient =  0.9989
             Response Ratio = 0.00900 + 0.00248 *A

5)  dichlorodifluoromethane
          0.519 0.470 0.530 0.470 0.488 0.483 0.496       0.505   0.495    4.41
6)  chloromethane
          0.619 0.616 0.605 0.549 0.574 0.540 0.483       0.576   0.570    8.05
7)  vinyl chloride
          0.628 0.580 0.584 0.507 0.516 0.493 0.472       0.539   0.540    9.85
8)  bromomethane
          0.450 0.432 0.418 0.383 0.399 0.386 0.383       0.390   0.405    6.23
9)  chloroethane
          0.388 0.361 0.370 0.345 0.364 0.358 0.356       0.355   0.362    3.49
10)  ethyl ether
          0.358 0.367 0.390 0.423 0.445 0.445 0.433       0.406   0.408    8.32
11)  acetonitrile
                      0.042 0.046 0.048 0.057 0.063       0.042   0.049   17.04
           ----- Linear regression -----  Coefficient =  0.9963
             Response Ratio = -0.01615 + 0.06351 *A

12)  trichlorofluoromethane
          0.633 0.577 0.646 0.566 0.589 0.587 0.597       0.596   0.599    4.58
13)  freon-113
          0.422 0.397 0.445 0.393 0.418 0.413 0.424       0.412   0.415    3.90
14)  acrolein
          0.014       0.075 0.082 0.086 0.081 0.083       0.078   0.071   35.48
           ----- Linear regression -----  Coefficient =  0.9997
             Response Ratio = -0.00495 + 0.08267 *A

15)  1,1-dichloroethene
          0.486 0.428 0.455 0.425 0.447 0.447 0.452       0.429   0.446    4.47
16)  acetone
                      0.123 0.124 0.135 0.138 0.125       0.109   0.126    8.18
17)  Methyl Acetate
          0.467 0.639 0.673 0.714 0.754 0.745 0.728       0.699   0.678   13.74
18)  methylene chloride
          0.773 0.690 0.582 0.523 0.549 0.540 0.533       0.531   0.590   15.53
```

# Initial Calibration Summary

**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

**Sample:** MSG2782-ICC2782
**Lab FileID:** G69177.D

```
            ----- Linear regression -----  Coefficient =  0.9999
              Response Ratio = 0.00648 + 0.53405 *A

19)  methyl tert butyl ether
           1.264 1.266 1.233 1.383 1.449 1.445 1.432       1.305   1.347    6.68
20)  acrylonitrile
           0.184 0.205 0.199 0.208 0.215 0.209 0.203       0.204   0.203    4.48
21)  allyl chloride
           0.749 0.777 0.763 0.771 0.812 0.793 0.754       0.775   0.774    2.64
22)  trans-1,2-dichloroethene
           0.510 0.496 0.486 0.477 0.505 0.498 0.494 0.572 0.474   0.501    5.82
23)  iodomethane
           0.864 0.841 0.845 0.813 0.853 0.851 0.868       0.817   0.844    2.38
24)  carbon disulfide
           1.604 1.439 1.466 1.342 1.411 1.390 1.361       1.379   1.424    5.84
25)  propionitrile
                 0.041 0.036 0.038 0.037 0.037 0.038       0.042   0.038    6.05
26)  vinyl acetate
           0.714 0.795 0.802 0.892 0.992 1.025 1.055       0.897   0.897   13.55
27)  chloroprene
           0.611 0.563 0.617 0.626 0.652 0.640 0.636       0.627   0.621    4.29
28)  di-isopropyl ether
           1.752 1.743 1.782 1.822 1.884 1.812 1.716       1.808   1.790    2.98
29)  methacrylonitrile
           0.208 0.348 0.308 0.347 0.362 0.353 0.351       0.344   0.328   15.55
            ----- Linear regression -----  Coefficient =  0.9999
              Response Ratio = 0.00014 + 0.35206 *A

30)  2-butanone
                 0.032 0.054 0.059 0.067 0.067 0.068       0.047   0.056   23.25
            ----- Linear regression -----  Coefficient =  0.9996
              Response Ratio = -0.00479 + 0.06813 *A

31)  Hexane
           0.792 0.761 0.803 0.704 0.736 0.720 0.700       0.747   0.745    5.13
32)  1,1-dichloroethane
           0.910 0.883 0.891 0.851 0.887 0.876 0.862       0.846   0.876    2.46
33)  tert-butyl ethyl ether
           1.408 1.384 1.388 1.573 1.667 1.642 1.597       1.509   1.521    7.61
34)  isobutyl alcohol
           0.043 0.066 0.059 0.054 0.057 0.056 0.055       0.054   0.055   11.67
35)  2,2-dichloropropane
           0.577 0.535 0.543 0.522 0.577 0.586 0.587       0.557   0.560    4.46
36)  cis-1,2-dichloroethene
           0.590 0.564 0.549 0.540 0.558 0.558 0.558 0.633 0.536   0.565    5.26
37)  ethyl acetate
           0.213 0.019 0.023 0.011 0.011 0.011 0.010       0.012   0.039  182.45
            ----- Linear regression -----  Coefficient =  0.9982
              Response Ratio = 0.00159 + 0.01005 *A

38)  bromochloromethane
           0.285 0.288 0.278 0.267 0.279 0.281 0.283       0.266   0.278    2.84
39)  chloroform
           0.930 0.876 0.875 0.820 0.856 0.854 0.849       0.839   0.862    3.80
40)  dibromofluoromethane (s)
           0.432 0.435 0.435 0.428 0.432 0.430 0.435 0.432 0.436   0.433    0.61
41)  Tetrahydrofuran
           0.124 0.136 0.141 0.156 0.167 0.165 0.166       0.152   0.151   10.41
42)  1,1,1-trichloroethane
           0.753 0.697 0.723 0.666 0.711 0.704 0.709       0.692   0.707    3.55
```

# Initial Calibration Summary

**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

**Sample:** MSG2782-ICC2782
**Lab FileID:** G69177.D

```
43) I   1,4-difluorobenzene   ----------------ISTD--------------------
44)  Cyclohexane
           0.578 0.533 0.573 0.570 0.615 0.602 0.587       0.589   0.581    4.20
45)  carbon tetrachloride
           0.488 0.446 0.470 0.439 0.468 0.468 0.467       0.454   0.462    3.37
46)  1,1-dichloropropene
           0.446 0.405 0.438 0.435 0.458 0.456 0.458       0.433   0.441    4.06
47)  benzene
           1.490 1.414 1.388 1.387 1.440 1.426 1.404 1.361 1.378   1.410    2.75
48)  1,2-dichloroethane
           0.490 0.443 0.441 0.417 0.436 0.431 0.436       0.426   0.440    5.01
49)  tert-amyl methyl ether
           0.850 0.866 0.866 1.060 1.129 1.116 1.094       0.994   0.997   12.03
50)  heptane
           0.487 0.425 0.496 0.460 0.498 0.486 0.468       0.481   0.475    5.08
51)  trichloroethene
           0.342 0.343 0.343 0.342 0.355 0.359 0.363       0.338   0.348    2.77
52)  1,2-dichloropropane
           0.379 0.348 0.347 0.343 0.360 0.359 0.347       0.344   0.353    3.41
53)  dibromomethane
           0.239 0.232 0.219 0.215 0.222 0.225 0.224       0.215   0.224    3.74
54)  bromodichloromethane
           0.507 0.511 0.487 0.472 0.497 0.500 0.490       0.485   0.494    2.58
55)  Methylcyclohexane
           0.563 0.519 0.590 0.580 0.628 0.615 0.617       0.584   0.587    5.98
56)  2-chloroethyl vinyl ether
           0.161 0.149 0.158 0.206 0.221 0.230 0.224       0.190   0.192   17.01
            ----- Linear regression -----  Coefficient =  0.9997
              Response Ratio = -0.00768 + 0.22632 *A

57)  methyl methacrylate
           0.188 0.207 0.208 0.258 0.273 0.271 0.261       0.248   0.239   13.82
58)  1,4-dioxane
                             0.003 0.002 0.002 0.002       0.001   0.002   36.11
            ----- Linear regression -----  Coefficient =  0.9941
              Response Ratio = -0.00019 + 0.00214 *A

59)  cis-1,3-dichloropropene
           0.532 0.508 0.515 0.548 0.583 0.584 0.572 0.456 0.552   0.539    7.70
60)  toluene-d8 (s)
           1.226 1.211 1.214 1.206 1.213 1.215 1.220 1.215 1.224   1.216    0.53
61)  4-methyl-2-pentanone
           0.326 0.343 0.321 0.378 0.397 0.390 0.373       0.383   0.364    8.22
62)  toluene
           0.929 0.878 0.893 0.883 0.923 0.927 0.910       0.903   0.906    2.22
63)  trans-1,3-dichloropropene
           0.408 0.420 0.415 0.467 0.501 0.506 0.492 0.354 0.469   0.448   11.49
64)  1,1,2-trichloroethane
           0.278 0.276 0.262 0.264 0.277 0.278 0.274       0.272   0.273    2.36
65)  ethyl methacrylate
           0.369 0.379 0.392 0.497 0.507 0.509 0.483       0.482   0.452   13.47

66) I   chlorobenzene-d5      ----------------ISTD--------------------
67)  tetrachloroethene
           0.860 0.801 0.820 0.810 0.869 0.880 0.899       0.807   0.843    4.53
68)  1,3-dichloropropane
           1.184 1.115 1.059 1.052 1.096 1.087 1.073       1.077   1.093    3.82
69)  dibromochloromethane
           0.829 0.789 0.762 0.759 0.801 0.795 0.794       0.773   0.788    2.90
```

# Initial Calibration Summary

**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

**Sample:** MSG2782-ICC2782
**Lab FileID:** G69177.D

```
70)  1,2-dibromoethane
           0.628 0.662 0.624 0.650 0.681 0.680 0.679       0.650   0.657    3.47
71)  2-hexanone
           0.521 0.419 0.408 0.530 0.555 0.533 0.513       0.514   0.499   10.95
72)  chlorobenzene
           2.175 2.074 2.009 1.989 2.073 2.080 2.094       2.001   2.062    2.96
73)  1,1,1,2-tetrachloroethane
           0.777 0.727 0.692 0.698 0.752 0.758 0.790       0.715   0.739    4.90
74)  ethylbenzene
           3.170 3.074 3.232 3.310 3.502 3.472 3.364       3.346   3.309    4.41
75)  m,p-xylene
           1.233 1.238 1.291 1.322 1.409 1.402 1.322       1.325   1.318    4.93
76)  o-xylene
           1.254 1.232 1.282 1.313 1.396 1.383 1.348       1.320   1.316    4.46
77)  styrene
           1.833 1.856 1.955 2.238 2.370 2.361 2.306       2.204   2.140   10.48
78)  bromoform
           0.655 0.639 0.598 0.614 0.649 0.648 0.654       0.632   0.636    3.21
79)  trans-1,4-dichloro-2-butene
           0.172 0.172 0.171 0.216 0.228 0.225 0.227       0.211   0.203   13.00

80) I   1,4-dichlorobenzene-d ----------------ISTD---------------------
81)  isopropylbenzene
           2.446 2.359 2.568 2.684 2.795 2.855 2.922       2.714   2.668    7.40
82)  bromofluorobenzene (s)
           0.820 0.822 0.816 0.808 0.807 0.823 0.855 0.818 0.816   0.821    1.71
83)  bromobenzene
           0.853 0.870 0.839 0.866 0.912 0.947 1.008       0.887   0.898    6.27
84)  1,1,2,2-tetrachloroethane
           0.944 0.859 0.774 0.767 0.805 0.803 0.801       0.831   0.823    6.94
85)  1,2,3-trichloropropane
           0.832 0.821 0.757 0.852 0.898 0.894 0.943       0.861   0.857    6.60
86)  n-propylbenzene
           3.339 3.267 3.415 3.567 3.735 3.774 3.752       3.645   3.562    5.58
87)  2-chlorotoluene
           2.092 2.071 2.090 2.120 2.201 2.255 2.288       2.182   2.162    3.77
88)  4-chlorotoluene
           2.137 2.075 2.103 2.153 2.246 2.291 2.325       2.196   2.191    4.11
89)  1,3,5-trimethylbenzene
           2.357 2.306 2.491 2.564 2.715 2.753 2.626       2.634   2.556    6.29
90)  tert-butylbenzene
           1.272 1.206 1.286 1.340 1.430 1.465 1.382       1.392   1.346    6.49
91)  1,2,4-trimethylbenzene
           2.429 2.432 2.572 2.666 2.805 2.845 2.690       2.712   2.644    5.89
92)  sec-butylbenzene
           3.158 3.061 3.309 3.417 3.623 3.610 3.204       3.490   3.359    6.25
93)  1,3-dichlorobenzene
           1.727 1.695 1.594 1.647 1.740 1.768 1.736       1.678   1.698    3.36
94)  p-isopropyltoluene
           2.968 2.841 2.883 2.974 3.197 3.136 2.623       3.029   2.956    6.07
95)  1,4-dichlorobenzene
           1.878 1.791 1.692 1.729 1.835 1.825 1.647       1.755   1.769    4.40
96)  1,2-dichlorobenzene
           1.683 1.590 1.516 1.611 1.687 1.680 1.602       1.642   1.626    3.63
97)  n-butylbenzene
           2.420 2.471 2.589 2.722 2.893 2.783 2.314       2.780   2.621    7.81
98)  1,2-dibromo-3-chloropropane
           0.161 0.166 0.142 0.144 0.143 0.141 0.134       0.151   0.148    7.42
99)  1,2,4-trichlorobenzene
           1.205 1.063 1.065 1.241 1.274 1.246 1.046       1.206   1.168    8.06
```

# Initial Calibration Summary

**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

**Sample:** MSG2782-ICC2782
**Lab FileID:** G69177.D

```
100)  hexachlorobutadiene
            0.761 0.681 0.655 0.672 0.686 0.614 0.474       0.677   0.652   12.67
101)  naphthalene
            2.396 2.222 2.120 2.751 2.781 2.765 2.466       2.637   2.517   10.21
102)  1,2,3-trichlorobenzene
            1.097 0.950 0.921 1.077 1.106 1.069 0.904       1.036   1.020    8.08
103)  2-Methylnaphthalene
                                0.003 0.003 0.002 0.002               0.002   19.91
          ----- Quadratic regression -----                Coefficient =  0.9970
               Response Ratio = 0.00035 + 0.00277 *A + -0.00012 *A^2

 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          G042507W.M        Thu Apr 26 16:17:12 2007   RP1
```

# Initial Calibration Verification



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

**Sample:** MSG2782-ICV2782
**Lab FileID:** G69179.D

Evaluate Continuing Calibration Report

```
Data File : C:\HPCHEM\1\DATA\G69179.D                    Vial: 13
Acq On    : 25 Apr 2007   9:16 pm                    Operator: KIMT
Sample    : ICV2782-50                               Inst    : 5973 G
Misc      : MS13436,MSG2782,,,,5,1                   Multiplr: 1.00
MS Integration Params: RTEINT.P

Method       : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title        : SW-846 Method 8260
Last Update  : Thu Apr 26 16:15:35 2007
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  20%     Max. Rel. Area : 200%
```

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) | R.T. |
|---|---|---|---|---|---|---|---|---|
| 1 | I | tert butyl alcohol-d9 | 1.000 | 1.000 | 0.0 | 106 | -0.02 | 6.39 |
| 2 | M | tertiary butyl alcohol | 1.175 | 1.004 | 14.6 | 91 | -0.01 | 6.44 |
| 3 | I | pentafluorobenzene | 1.000 | 1.000 | 0.0 | 99 | 0.00 | 8.74 |
| | | ---------- | True | Calc. | % Drift | ---------- | | |
| 4 | T | Ethanol | 5000.000 | 4976.170 | 0.5 | 84 | -0.05 | 5.42 |
| | | ---------- | AvgRF | CCRF | % Dev | ---------- | | |
| 5 | M | dichlorodifluoromethane | 0.495 | 0.367 | 25.9# | 77 | 0.00 | 4.14 |
| 6 | P | chloromethane | 0.570 | 0.544 | 4.6 | 98 | 0.00 | 4.34 |
| 7 | c | vinyl chloride | 0.540 | 0.507 | 6.1 | 99 | 0.01 | 4.61 |
| 8 | M | bromomethane | 0.405 | 0.369 | 8.9 | 95 | 0.00 | 5.07 |
| 9 | M | chloroethane | 0.362 | 0.349 | 3.6 | 100 | 0.00 | 5.22 |
| 10 | M | ethyl ether | 0.408 | 0.367 | 10.0 | 86 | 0.00 | 6.07 |
| | | ---------- | True | Calc. | % Drift | ---------- | | |
| 11 | M | acetonitrile | 50.000 | 44.629 | 10.7 | 88 | 0.00 | 5.78 |
| | | ---------- | AvgRF | CCRF | % Dev | ---------- | | |
| 12 | M | trichlorofluoromethane | 0.599 | 0.529 | 11.7 | 92 | 0.00 | 5.87 |
| 13 | M | freon-113 | 0.415 | 0.412 | 0.7 | 103 | 0.00 | 6.63 |
| | | ---------- | True | Calc. | % Drift | ---------- | | |
| 14 | M | acrolein | 250.000 | 191.184 | 23.5# | 75 | 0.00 | 5.84 |
| | | ---------- | AvgRF | CCRF | % Dev | ---------- | | |
| 15 | c | 1,1-dichloroethene | 0.446 | 0.414 | 7.2 | 96 | 0.00 | 6.42 |
| 16 | M | acetone | 0.126 | 0.128 | -1.6 | 102 | 0.00 | 5.98 |
| 17 | M | Methyl Acetate | 0.678 | 0.537 | 20.8# | 74 | 0.00 | 6.61 |
| | | ---------- | True | Calc. | % Drift | ---------- | | |
| 18 | M | methylene chloride | 50.000 | 47.265 | 5.5 | 97 | 0.00 | 6.56 |
| | | ---------- | AvgRF | CCRF | % Dev | ---------- | | |
| 19 | M | methyl tert butyl ether | 1.347 | 1.316 | 2.3 | 94 | 0.00 | 7.34 |
| 20 | M | acrylonitrile | 0.203 | 0.198 | 2.5 | 94 | 0.00 | 6.48 |
| 21 | M | allyl chloride | 0.774 | 0.764 | 1.3 | 98 | 0.00 | 6.65 |
| 22 | M | trans-1,2-dichloroethene | 0.501 | 0.474 | 5.4 | 98 | 0.00 | 7.24 |
| 23 | M | iodomethane | 0.844 | 0.815 | 3.4 | 99 | 0.00 | 6.48 |
| 24 | M | carbon disulfide | 1.424 | 1.513 | -6.2 | 111 | 0.00 | 6.84 |
| 25 | M | propionitrile | 0.038 | 0.034 | 10.5 | 90 | 0.00 | 6.47 |

# Initial Calibration Verification

**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

**Sample:** MSG2782-ICV2782
**Lab FileID:** G69179.D

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 26 | M | vinyl acetate | 0.897 | 0.394 | 56.1# | 44# | 0.00 | 7.60 |
| 27 | M | chloroprene | 0.621 | 0.613 | 1.3 | 97 | 0.00 | 7.85 |
| 28 | M | di-isopropyl ether | 1.790 | 1.589 | 11.2 | 86 | 0.00 | 7.90 |
| | | ---------- | True | Calc. | % Drift | ---------- | | |
| 29 | M | methacrylonitrile | 50.000 | 44.940 | 10.1 | 90 | 0.00 | 8.01 |
| 30 | M | 2-butanone | 50.000 | 44.828 | 10.3 | 95 | 0.00 | 7.92 |
| | | ---------- | AvgRF | CCRF | % Dev | ---------- | | |
| 31 | M | Hexane | 0.745 | 0.648 | 13.0 | 91 | 0.00 | 7.88 |
| 32 | P | 1,1-dichloroethane | 0.876 | 0.829 | 5.4 | 96 | 0.00 | 7.49 |
| 33 | M | tert-butyl ethyl ether | 1.521 | 1.404 | 7.7 | 88 | 0.00 | 8.30 |
| 34 | M | isobutyl alcohol | 0.055 | 0.052 | 5.5 | 95 | 0.00 | 8.32 |
| 35 | M | 2,2-dichloropropane | 0.560 | 0.510 | 8.9 | 96 | 0.00 | 8.36 |
| 36 | M | cis-1,2-dichloroethene | 0.565 | 0.499 | 11.7 | 91 | 0.00 | 8.06 |
| | | ---------- | True | Calc. | % Drift | ---------- | | |
| 37 | M | ethyl acetate | 50.000 | 1939.036 | -3778.1# | 3665 | -0.01 | 8.21 |
| | | ---------- | AvgRF | CCRF | % Dev | ---------- | | |
| 38 | M | bromochloromethane | 0.278 | 0.260 | 6.5 | 96 | 0.00 | 8.22 |
| 39 | c | chloroform | 0.862 | 0.787 | 8.7 | 95 | 0.00 | 8.26 |
| 40 | S | dibromofluoromethane (s) | 0.433 | 0.426 | 1.6 | 98 | 0.00 | 8.38 |
| 41 | M | Tetrahydrofuran | 0.151 | 0.151 | 0.0 | 96 | 0.00 | 8.62 |
| 42 | M | 1,1,1-trichloroethane | 0.707 | 0.654 | 7.5 | 97 | 0.00 | 9.02 |
| 43 | I | 1,4-difluorobenzene | 1.000 | 1.000 | 0.0 | 99 | 0.00 | 9.61 |
| 44 | M | Cyclohexane | 0.581 | 0.560 | 3.6 | 98 | 0.00 | 9.30 |
| 45 | M | carbon tetrachloride | 0.462 | 0.433 | 6.3 | 98 | 0.00 | 9.38 |
| 46 | M | 1,1-dichloropropene | 0.441 | 0.423 | 4.1 | 97 | 0.00 | 9.18 |
| 47 | M | benzene | 1.410 | 1.333 | 5.5 | 95 | 0.00 | 9.41 |
| 48 | M | 1,2-dichloroethane | 0.440 | 0.402 | 8.6 | 96 | 0.00 | 8.91 |
| 49 | M | tert-amyl methyl ether | 0.997 | 0.934 | 6.3 | 87 | 0.00 | 9.54 |
| 50 | M | heptane | 0.475 | 0.468 | 1.5 | 101 | 0.00 | 9.89 |
| 51 | M | trichloroethene | 0.348 | 0.341 | 2.0 | 99 | 0.00 | 10.03 |
| 52 | c | 1,2-dichloropropane | 0.353 | 0.335 | 5.1 | 97 | 0.00 | 9.99 |
| 53 | M | dibromomethane | 0.224 | 0.205 | 8.5 | 95 | 0.00 | 9.97 |
| 54 | M | bromodichloromethane | 0.494 | 0.435 | 11.9 | 91 | 0.00 | 10.08 |
| 55 | M | Methylcyclohexane | 0.587 | 0.574 | 2.2 | 98 | 0.00 | 10.55 |
| | | ---------- | True | Calc. | % Drift | ---------- | | |
| 56 | M | 2-chloroethyl vinyl ether | 50.000 | 2.701 | 94.6# | 2 | 0.09 | 10.55 |
| | | ---------- | AvgRF | CCRF | % Dev | ---------- | | |
| 57 | M | methyl methacrylate | 0.239 | 0.236 | 1.3 | 91 | 0.00 | 10.18 |
| | | ---------- | True | Calc. | % Drift | ---------- | | |
| 58 | M | 1,4-dioxane | 250.000 | 287.575 | -15.0 | 92 | 0.00 | 10.25 |
| | | ---------- | AvgRF | CCRF | % Dev | ---------- | | |
| 59 | M | cis-1,3-dichloropropene | 0.539 | 0.530 | 1.7 | 96 | 0.00 | 10.70 |
| 60 | S | toluene-d8 (s) | 1.216 | 1.221 | -0.4 | 100 | 0.00 | 11.40 |
| 61 | M | 4-methyl-2-pentanone | 0.364 | 0.355 | 2.5 | 93 | 0.00 | 10.79 |
| 62 | c | toluene | 0.906 | 0.852 | 6.0 | 96 | 0.00 | 11.48 |
| 63 | M | trans-1,3-dichloropropene | 0.448 | 0.452 | -0.9 | 96 | 0.00 | 11.12 |
| 64 | M | 1,1,2-trichloroethane | 0.273 | 0.257 | 5.9 | 97 | 0.00 | 11.29 |
| 65 | M | ethyl methacrylate | 0.452 | 0.467 | -3.3 | 93 | 0.00 | 11.50 |
| 66 | I | chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 99 | 0.00 | 12.86 |
| 67 | M | tetrachloroethene | 0.843 | 0.784 | 7.0 | 96 | 0.00 | 12.22 |

# Initial Calibration Verification

**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

**Sample:** MSG2782-ICV2782
**Lab FileID:** G69179.D

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 68 | M | 1,3-dichloropropane | 1.093 | 1.030 | 5.8 | 97 | 0.00 | 11.53 |
| 69 | M | dibromochloromethane | 0.788 | 0.706 | 10.4 | 92 | 0.00 | 11.81 |
| 70 | M | 1,2-dibromoethane | 0.657 | 0.628 | 4.4 | 96 | 0.00 | 12.07 |
| 71 | M | 2-hexanone | 0.499 | 0.491 | 1.6 | 92 | 0.00 | 11.65 |
| 72 | P | chlorobenzene | 2.062 | 1.859 | 9.8 | 93 | 0.00 | 12.90 |
| 73 | M | 1,1,1,2-tetrachloroethane | 0.739 | 0.682 | 7.7 | 97 | 0.00 | 12.82 |
| 74 | c | ethylbenzene | 3.309 | 3.171 | 4.2 | 95 | 0.00 | 13.07 |
| 75 | M | m,p-xylene | 1.318 | 1.251 | 5.1 | 94 | 0.00 | 13.26 |
| 76 | M | o-xylene | 1.316 | 1.229 | 6.6 | 93 | 0.00 | 13.67 |
| 77 | M | styrene | 2.140 | 2.104 | 1.7 | 93 | 0.00 | 13.60 |
| 78 | P | bromoform | 0.636 | 0.578 | 9.1 | 93 | 0.00 | 13.42 |
| 79 | M | trans-1,4-dichloro-2-bute | 0.203 | 0.198 | 2.5 | 91 | 0.00 | 13.82 |
| 80 | I | 1,4-dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 100 | 0.00 | 15.42 |
| 81 | M | isopropylbenzene | 2.668 | 2.519 | 5.6 | 93 | 0.00 | 14.03 |
| 82 | S | bromofluorobenzene (s) | 0.821 | 0.814 | 0.9 | 100 | 0.00 | 14.09 |
| 83 | M | bromobenzene | 0.898 | 0.808 | 10.0 | 93 | 0.00 | 14.32 |
| 84 | P | 1,1,2,2-tetrachloroethane | 0.823 | 0.717 | 12.9 | 93 | 0.00 | 13.67 |
| 85 | M | 1,2,3-trichloropropane | 0.857 | 0.809 | 5.6 | 95 | 0.00 | 13.82 |
| 86 | M | n-propylbenzene | 3.562 | 3.335 | 6.4 | 93 | 0.00 | 14.48 |
| 87 | M | 2-chlorotoluene | 2.162 | 1.979 | 8.5 | 93 | 0.00 | 14.60 |
| 88 | M | 4-chlorotoluene | 2.191 | 1.994 | 9.0 | 92 | 0.00 | 14.67 |
| 89 | M | 1,3,5-trimethylbenzene | 2.556 | 2.436 | 4.7 | 95 | 0.00 | 14.76 |
| 90 | M | tert-butylbenzene | 1.346 | 1.269 | 5.7 | 94 | 0.00 | 15.06 |
| 91 | M | 1,2,4-trimethylbenzene | 2.644 | 2.495 | 5.6 | 93 | 0.00 | 15.17 |
| 92 | M | sec-butylbenzene | 3.359 | 3.214 | 4.3 | 94 | 0.00 | 15.29 |
| 93 | M | 1,3-dichlorobenzene | 1.698 | 1.525 | 10.2 | 92 | 0.00 | 15.39 |
| 94 | M | p-isopropyltoluene | 2.956 | 2.803 | 5.2 | 94 | 0.00 | 15.46 |
| 95 | M | 1,4-dichlorobenzene | 1.769 | 1.592 | 10.0 | 92 | 0.00 | 15.45 |
| 96 | M | 1,2-dichlorobenzene | 1.626 | 1.489 | 8.4 | 92 | 0.00 | 15.82 |
| 97 | M | n-butylbenzene | 2.621 | 2.561 | 2.3 | 94 | 0.00 | 15.88 |
| 98 | M | 1,2-dibromo-3-chloropropa | 0.148 | 0.137 | 7.4 | 94 | 0.00 | 16.30 |
| 99 | M | 1,2,4-trichlorobenzene | 1.168 | 1.151 | 1.5 | 92 | 0.00 | 17.67 |
| 100 | M | hexachlorobutadiene | 0.652 | 0.641 | 1.7 | 95 | 0.00 | 17.98 |
| 101 | M | naphthalene | 2.517 | 2.485 | 1.3 | 90 | 0.00 | 17.95 |
| 102 | M | 1,2,3-trichlorobenzene | 1.020 | 0.994 | 2.5 | 92 | 0.00 | 18.17 |
| | | ---------- | True | Calc. | % Drift | | ---------- | |
| 103 | M | 2-Methylnaphthalene | | ----------NA---------- | | | | |

---

( 6.2 %) 6 of 97 compounds'%D > 20

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(#) = Out of Range SPCC's out = 0 CCC's out = 0
G69178.D G042507W.M Thu Apr 26 16:23:19 2007 RP1

# Continuing Calibration Summary



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

**Sample:** MSG2784-CC2782
**Lab FileID:** G69215.D

Evaluate Continuing Calibration Report

```
Data File : C:\HPCHEM\1\DATA\G69215.D                    Vial: 1
Acq On    : 27 Apr 2007  12:35 pm                   Operator: kimt
Sample    : CC2782-100                              Inst    : 5973 G
Misc      : MS13436,MSG2784,,,,5,1                  Multiplr: 1.00
MS Integration Params: RTEINT.P

Method       : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title        : SW-846 Method 8260
Last Update  : Thu Apr 26 16:15:35 2007
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  20%     Max. Rel. Area : 200%
```

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) | R.T. |
|---|---|---|---|---|---|---|---|---|
| 1 | I | tert butyl alcohol-d9 | 1.000 | 1.000 | 0.0 | 67 | -0.03 | 6.39 |
| 2 | M | tertiary butyl alcohol | 1.175 | 1.095 | 6.8 | 66 | 0.00 | 6.44 |
| 3 | I | pentafluorobenzene | 1.000 | 1.000 | 0.0 | 85 | 0.00 | 8.74 |
| | | ---------- | True | Calc. | % Drift | ---------- | | |
| 4 | T | Ethanol | 10000.000 | 7254.358 | 27.5# | 60 | -0.02 | 5.45 |
| | | ---------- | AvgRF | CCRF | % Dev | ---------- | | |
| 5 | M | dichlorodifluoromethane | 0.495 | 0.457 | 7.7 | 79 | 0.00 | 4.14 |
| 6 | P | chloromethane | 0.570 | 0.509 | 10.7 | 75 | 0.02 | 4.35 |
| 7 | c | vinyl chloride | 0.540 | 0.466 | 13.7 | 77 | 0.03 | 4.62 |
| 8 | M | bromomethane | 0.405 | 0.368 | 9.1 | 78 | 0.01 | 5.07 |
| 9 | M | chloroethane | 0.362 | 0.326 | 9.9 | 76 | 0.00 | 5.23 |
| 10 | M | ethyl ether | 0.408 | 0.387 | 5.1 | 74 | 0.00 | 6.07 |
| | | ---------- | True | Calc. | % Drift | ---------- | | |
| 11 | M | acetonitrile | 100.000 | 71.402 | 28.6# | 66 | 0.00 | 5.79 |
| | | ---------- | AvgRF | CCRF | % Dev | ---------- | | |
| 12 | M | trichlorofluoromethane | 0.599 | 0.572 | 4.5 | 82 | 0.00 | 5.87 |
| 13 | M | freon-113 | 0.415 | 0.397 | 4.3 | 81 | 0.00 | 6.63 |
| | | ---------- | True | Calc. | % Drift | ---------- | | |
| 14 | M | acrolein | 500.000 | 454.460 | 9.1 | 74 | 0.00 | 5.84 |
| | | ---------- | AvgRF | CCRF | % Dev | ---------- | | |
| 15 | c | 1,1-dichloroethene | 0.446 | 0.407 | 8.7 | 77 | 0.00 | 6.42 |
| 16 | M | acetone | 0.126 | 0.113 | 10.3 | 71 | 0.00 | 5.97 |
| 17 | M | Methyl Acetate | 0.678 | 0.640 | 5.6 | 72 | -0.02 | 6.60 |
| | | ---------- | True | Calc. | % Drift | ---------- | | |
| 18 | M | methylene chloride | 100.000 | 93.778 | 6.2 | 78 | 0.00 | 6.56 |
| | | ---------- | AvgRF | CCRF | % Dev | ---------- | | |
| 19 | M | methyl tert butyl ether | 1.347 | 1.260 | 6.5 | 74 | 0.00 | 7.34 |
| 20 | M | acrylonitrile | 0.203 | 0.185 | 8.9 | 73 | 0.00 | 6.48 |
| 21 | M | allyl chloride | 0.774 | 0.734 | 5.2 | 77 | 0.00 | 6.65 |
| 22 | M | trans-1,2-dichloroethene | 0.501 | 0.452 | 9.8 | 76 | 0.00 | 7.24 |
| 23 | M | iodomethane | 0.844 | 0.789 | 6.5 | 78 | 0.00 | 6.48 |
| 24 | M | carbon disulfide | 1.424 | 1.280 | 10.1 | 77 | 0.00 | 6.84 |
| 25 | M | propionitrile | 0.038 | 0.033 | 13.2 | 75 | -0.01 | 6.47 |

# Continuing Calibration Summary

**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

**Sample:** MSG2784-CC2782
**Lab FileID:** G69215.D

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 26 | M | vinyl acetate | 0.897 | 0.997 | -11.1 | 85 | 0.00 | 7.59 |
| 27 | M | chloroprene | 0.621 | 0.606 | 2.4 | 79 | 0.00 | 7.85 |
| 28 | M | di-isopropyl ether | 1.790 | 1.730 | 3.4 | 78 | 0.00 | 7.90 |
| | | ---------- | True | Calc. | % Drift | ---------- | | |
| 29 | M | methacrylonitrile | 100.000 | 89.971 | 10.0 | 74 | 0.00 | 8.01 |
| 30 | M | 2-butanone | 100.000 | 74.210 | 25.8# | 61 | -0.02 | 7.91 |
| | | ---------- | AvgRF | CCRF | % Dev | ---------- | | |
| 31 | M | Hexane | 0.745 | 0.716 | 3.9 | 82 | 0.00 | 7.88 |
| 32 | P | 1,1-dichloroethane | 0.876 | 0.816 | 6.8 | 78 | 0.00 | 7.49 |
| 33 | M | tert-butyl ethyl ether | 1.521 | 1.516 | 0.3 | 77 | 0.00 | 8.30 |
| 34 | M | isobutyl alcohol | 0.055 | 0.049 | 10.9 | 73 | 0.00 | 8.31 |
| 35 | M | 2,2-dichloropropane | 0.560 | 0.605 | -8.0 | 89 | 0.00 | 8.36 |
| 36 | M | cis-1,2-dichloroethene | 0.565 | 0.524 | 7.3 | 80 | 0.00 | 8.06 |
| | | ---------- | True | Calc. | % Drift | ---------- | | |
| 37 | M | ethyl acetate | 100.000 | 91.678 | 8.3 | 77 | 0.00 | 8.21 |
| | | ---------- | AvgRF | CCRF | % Dev | ---------- | | |
| 38 | M | bromochloromethane | 0.278 | 0.260 | 6.5 | 79 | 0.00 | 8.22 |
| 39 | c | chloroform | 0.862 | 0.817 | 5.2 | 81 | 0.00 | 8.26 |
| 40 | S | dibromofluoromethane (s) | 0.433 | 0.436 | -0.7 | 85 | 0.00 | 8.38 |
| 41 | M | Tetrahydrofuran | 0.151 | 0.138 | 8.6 | 70 | -0.01 | 8.62 |
| 42 | M | 1,1,1-trichloroethane | 0.707 | 0.677 | 4.2 | 81 | 0.00 | 9.02 |
| 43 | I | 1,4-difluorobenzene | 1.000 | 1.000 | 0.0 | 86 | 0.00 | 9.61 |
| 44 | M | Cyclohexane | 0.581 | 0.561 | 3.4 | 78 | 0.00 | 9.30 |
| 45 | M | carbon tetrachloride | 0.462 | 0.450 | 2.6 | 82 | 0.00 | 9.38 |
| 46 | M | 1,1-dichloropropene | 0.441 | 0.429 | 2.7 | 80 | 0.00 | 9.19 |
| 47 | M | benzene | 1.410 | 1.332 | 5.5 | 79 | 0.00 | 9.41 |
| 48 | M | 1,2-dichloroethane | 0.440 | 0.415 | 5.7 | 82 | 0.00 | 8.91 |
| 49 | M | tert-amyl methyl ether | 0.997 | 1.001 | -0.4 | 76 | 0.00 | 9.54 |
| 50 | M | heptane | 0.475 | 0.473 | 0.4 | 81 | 0.00 | 9.89 |
| 51 | M | trichloroethene | 0.348 | 0.327 | 6.0 | 79 | 0.00 | 10.03 |
| 52 | c | 1,2-dichloropropane | 0.353 | 0.332 | 5.9 | 79 | 0.00 | 9.99 |
| 53 | M | dibromomethane | 0.224 | 0.207 | 7.6 | 80 | 0.00 | 9.97 |
| 54 | M | bromodichloromethane | 0.494 | 0.473 | 4.3 | 82 | 0.00 | 10.08 |
| 55 | M | Methylcyclohexane | 0.587 | 0.578 | 1.5 | 79 | 0.00 | 10.55 |
| | | ---------- | True | Calc. | % Drift | ---------- | | |
| 56 | M | 2-chloroethyl vinyl ether | 100.000 | 87.833 | 12.2 | 76 | 0.00 | 10.45 |
| | | ---------- | AvgRF | CCRF | % Dev | ---------- | | |
| 57 | M | methyl methacrylate | 0.239 | 0.234 | 2.1 | 74 | 0.00 | 10.18 |
| | | ---------- | True | Calc. | % Drift | ---------- | | |
| 58 | M | 1,4-dioxane | 500.000 | 343.174 | 31.4# | 53 | 0.00 | 10.25 |
| | | ---------- | AvgRF | CCRF | % Dev | ---------- | | |
| 59 | M | cis-1,3-dichloropropene | 0.539 | 0.549 | -1.9 | 81 | 0.00 | 10.70 |
| 60 | S | toluene-d8 (s) | 1.216 | 1.206 | 0.8 | 85 | 0.00 | 11.40 |
| 61 | M | 4-methyl-2-pentanone | 0.364 | 0.336 | 7.7 | 72 | 0.00 | 10.79 |
| 62 | c | toluene | 0.906 | 0.867 | 4.3 | 81 | 0.00 | 11.48 |
| 63 | M | trans-1,3-dichloropropene | 0.448 | 0.471 | -5.1 | 80 | 0.00 | 11.12 |
| 64 | M | 1,1,2-trichloroethane | 0.273 | 0.254 | 7.0 | 79 | 0.00 | 11.29 |
| 65 | M | ethyl methacrylate | 0.452 | 0.443 | 2.0 | 75 | 0.00 | 11.50 |
| 66 | I | chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 86 | 0.00 | 12.86 |
| 67 | M | tetrachloroethene | 0.843 | 0.815 | 3.3 | 81 | 0.00 | 12.22 |

# Continuing Calibration Summary

**Job Number:** M64162 **Sample:** MSG2784-CC2782
**Account:** GEI GEI Consultants, Inc. **Lab FileID:** G69215.D
**Project:** Tufts Street Somerville MA

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 68 | M | 1,3-dichloropropane | 1.093 | 1.031 | 5.7 | 81 | 0.00 | 11.52 |
| 69 | M | dibromochloromethane | 0.788 | 0.751 | 4.7 | 81 | 0.00 | 11.81 |
| 70 | M | 1,2-dibromoethane | 0.657 | 0.622 | 5.3 | 78 | 0.00 | 12.07 |
| 71 | M | 2-hexanone | 0.499 | 0.461 | 7.6 | 71 | 0.00 | 11.65 |
| 72 | P | chlorobenzene | 2.062 | 1.934 | 6.2 | 80 | 0.00 | 12.90 |
| 73 | M | 1,1,1,2-tetrachloroethane | 0.739 | 0.707 | 4.3 | 81 | 0.00 | 12.82 |
| 74 | c | ethylbenzene | 3.309 | 3.281 | 0.8 | 81 | 0.00 | 13.07 |
| 75 | M | m,p-xylene | 1.318 | 1.324 | -0.5 | 81 | 0.00 | 13.26 |
| 76 | M | o-xylene | 1.316 | 1.311 | 0.4 | 81 | 0.00 | 13.67 |
| 77 | M | styrene | 2.140 | 2.202 | -2.9 | 80 | 0.00 | 13.60 |
| 78 | P | bromoform | 0.636 | 0.594 | 6.6 | 79 | 0.00 | 13.42 |
| 79 | M | trans-1,4-dichloro-2-bute | 0.203 | 0.196 | 3.4 | 74 | 0.00 | 13.82 |
| 80 | I | 1,4-dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 89 | 0.00 | 15.43 |
| 81 | M | isopropylbenzene | 2.668 | 2.568 | 3.7 | 81 | 0.00 | 14.03 |
| 82 | S | bromofluorobenzene (s) | 0.821 | 0.799 | 2.7 | 88 | 0.00 | 14.09 |
| 83 | M | bromobenzene | 0.898 | 0.834 | 7.1 | 81 | 0.00 | 14.32 |
| 84 | P | 1,1,2,2-tetrachloroethane | 0.823 | 0.712 | 13.5 | 78 | 0.00 | 13.67 |
| 85 | M | 1,2,3-trichloropropane | 0.857 | 0.760 | 11.3 | 75 | 0.00 | 13.82 |
| 86 | M | n-propylbenzene | 3.562 | 3.431 | 3.7 | 81 | 0.00 | 14.48 |
| 87 | M | 2-chlorotoluene | 2.162 | 2.036 | 5.8 | 82 | 0.00 | 14.60 |
| 88 | M | 4-chlorotoluene | 2.191 | 2.067 | 5.7 | 81 | 0.00 | 14.67 |
| 89 | M | 1,3,5-trimethylbenzene | 2.556 | 2.492 | 2.5 | 81 | 0.00 | 14.76 |
| 90 | M | tert-butylbenzene | 1.346 | 1.329 | 1.3 | 82 | 0.00 | 15.06 |
| 91 | M | 1,2,4-trimethylbenzene | 2.644 | 2.589 | 2.1 | 82 | 0.00 | 15.17 |
| 92 | M | sec-butylbenzene | 3.359 | 3.310 | 1.5 | 81 | 0.00 | 15.29 |
| 93 | M | 1,3-dichlorobenzene | 1.698 | 1.606 | 5.4 | 82 | 0.00 | 15.39 |
| 94 | M | p-isopropyltoluene | 2.956 | 2.963 | -0.2 | 82 | 0.00 | 15.46 |
| 95 | M | 1,4-dichlorobenzene | 1.769 | 1.702 | 3.8 | 82 | 0.00 | 15.45 |
| 96 | M | 1,2-dichlorobenzene | 1.626 | 1.557 | 4.2 | 82 | 0.00 | 15.82 |
| 97 | M | n-butylbenzene | 2.621 | 2.655 | -1.3 | 81 | 0.00 | 15.88 |
| 98 | M | 1,2-dibromo-3-chloropropa | 0.148 | 0.130 | 12.2 | 80 | 0.00 | 16.30 |
| 99 | M | 1,2,4-trichlorobenzene | 1.168 | 1.218 | -4.3 | 85 | 0.00 | 17.68 |
| 100 | M | hexachlorobutadiene | 0.652 | 0.663 | -1.7 | 86 | 0.00 | 17.98 |
| 101 | M | naphthalene | 2.517 | 2.502 | 0.6 | 80 | 0.00 | 17.96 |
| 102 | M | 1,2,3-trichlorobenzene | 1.020 | 1.038 | -1.8 | 83 | 0.00 | 18.17 |
| | | | True | Calc. | % Drift | | | |
| 103 | M | 2-Methylnaphthalene | 100.000 | 56.652 | 43.3# | 51 | 0.00 | 19.43 |

( 5.1 %) 5 of 98 compounds'%D > 20

(#) = Out of Range SPCC's out = 0 CCC's out = 0
G69177.D G042507W.M Fri Apr 27 13:12:33 2007 RP1

# Continuing Calibration Summary



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

**Sample:** MSG2785-CC2782
**Lab FileID:** G69286.D

Evaluate Continuing Calibration Report

```
Data File : C:\HPCHEM\1\DATA\G69286.D                    Vial: 1
Acq On    : 30 Apr 2007  12:30 pm                    Operator: kimt
Sample    : CC2782-100                               Inst    : 5973 G
Misc      : MS13447,MSG2785,,,,5,1                   Multiplr: 1.00
MS Integration Params: RTEINT.P

Method       : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title        : SW-846 Method 8260
Last Update  : Thu Apr 26 16:15:35 2007
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  20%     Max. Rel. Area : 200%
```

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) | R.T. |
|---|---|---|---|---|---|---|---|---|
| 1 | I | tert butyl alcohol-d9 | 1.000 | 1.000 | 0.0 | 62 | 0.04 | 6.46 |
| 2 | M | tertiary butyl alcohol | 1.175 | 1.405 | -19.6 | 78 | 0.09 | 6.54 |
| 3 | I | pentafluorobenzene | 1.000 | 1.000 | 0.0 | 99 | 0.00 | 8.74 |
| | | | True | Calc. | % Drift | | | |
| 4 | T | Ethanol | 10000.000 | 5385.397 | 46.1# | 52 | 0.19 | 5.65 |
| | | | AvgRF | CCRF | % Dev | | | |
| 5 | M | dichlorodifluoromethane | 0.495 | 0.425 | 14.1 | 86 | 0.00 | 4.15 |
| 6 | P | chloromethane | 0.570 | 0.485 | 14.9 | 83 | 0.02 | 4.35 |
| 7 | c | vinyl chloride | 0.540 | 0.449 | 16.9 | 86 | 0.03 | 4.63 |
| 8 | M | bromomethane | 0.405 | 0.345 | 14.8 | 85 | 0.01 | 5.08 |
| 9 | M | chloroethane | 0.362 | 0.306 | 15.5 | 83 | 0.00 | 5.23 |
| 10 | M | ethyl ether | 0.408 | 0.372 | 8.8 | 83 | 0.00 | 6.07 |
| | | | True | Calc. | % Drift | | | |
| 11 | M | acetonitrile | 100.000 | 83.611 | 16.4 | 93 | 0.00 | 5.79 |
| | | | AvgRF | CCRF | % Dev | | | |
| 12 | M | trichlorofluoromethane | 0.599 | 0.528 | 11.9 | 88 | 0.00 | 5.88 |
| 13 | M | freon-113 | 0.415 | 0.371 | 10.6 | 88 | 0.00 | 6.63 |
| | | | True | Calc. | % Drift | | | |
| 14 | M | acrolein | 500.000 | 432.688 | 13.5 | 82 | 0.00 | 5.85 |
| | | | AvgRF | CCRF | % Dev | | | |
| 15 | c | 1,1-dichloroethene | 0.446 | 0.391 | 12.3 | 86 | 0.00 | 6.42 |
| 16 | M | acetone | 0.126 | 0.057 | 54.8# | 42# | 0.02 | 6.00 |
| 17 | M | Methyl Acetate | 0.678 | 0.590 | 13.0 | 77 | 0.00 | 6.61 |
| | | | True | Calc. | % Drift | | | |
| 18 | M | methylene chloride | 100.000 | 88.332 | 11.7 | 85 | 0.00 | 6.57 |
| | | | AvgRF | CCRF | % Dev | | | |
| 19 | M | methyl tert butyl ether | 1.347 | 1.194 | 11.4 | 81 | 0.00 | 7.34 |
| 20 | M | acrylonitrile | 0.203 | 0.166 | 18.2 | 76 | 0.00 | 6.49 |
| 21 | M | allyl chloride | 0.774 | 0.693 | 10.5 | 84 | 0.00 | 6.65 |
| 22 | M | trans-1,2-dichloroethene | 0.501 | 0.434 | 13.4 | 85 | 0.00 | 7.24 |
| 23 | M | iodomethane | 0.844 | 0.757 | 10.3 | 88 | 0.00 | 6.48 |
| 24 | M | carbon disulfide | 1.424 | 1.182 | 17.0 | 83 | 0.00 | 6.85 |
| 25 | M | propionitrile | 0.038 | 0.031 | 18.4 | 83 | 0.00 | 6.48 |

# Continuing Calibration Summary

**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

**Sample:** MSG2785-CC2782
**Lab FileID:** G69286.D

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 26 | M | vinyl acetate | 0.897 | 0.930 | -3.7 | 93 | 0.00 | 7.59 |
| 27 | M | chloroprene | 0.621 | 0.569 | 8.4 | 86 | 0.00 | 7.85 |
| 28 | M | di-isopropyl ether | 1.790 | 1.582 | 11.6 | 83 | 0.00 | 7.90 |
| | | ---------- | True | Calc. | % Drift | ---------- | | |
| 29 | M | methacrylonitrile | 100.000 | 81.267 | 18.7 | 78 | 0.00 | 8.01 |
| 30 | M | 2-butanone | 100.000 | 73.763 | 26.2# | 70 | 0.00 | 7.92 |
| | | ---------- | AvgRF | CCRF | % Dev | ---------- | | |
| 31 | M | Hexane | 0.745 | 0.656 | 11.9 | 88 | 0.00 | 7.88 |
| 32 | P | 1,1-dichloroethane | 0.876 | 0.759 | 13.4 | 84 | 0.00 | 7.49 |
| 33 | M | tert-butyl ethyl ether | 1.521 | 1.411 | 7.2 | 84 | 0.00 | 8.30 |
| 34 | M | isobutyl alcohol | 0.055 | 0.043 | 21.8# | 73 | 0.00 | 8.32 |
| 35 | M | 2,2-dichloropropane | 0.560 | 0.559 | 0.2 | 96 | 0.00 | 8.36 |
| 36 | M | cis-1,2-dichloroethene | 0.565 | 0.495 | 12.4 | 87 | 0.00 | 8.06 |
| | | ---------- | True | Calc. | % Drift | ---------- | | |
| 37 | M | ethyl acetate | 100.000 | 59.824 | 40.2# | 61 | 0.00 | 8.22 |
| | | ---------- | AvgRF | CCRF | % Dev | ---------- | | |
| 38 | M | bromochloromethane | 0.278 | 0.248 | 10.8 | 88 | 0.00 | 8.22 |
| 39 | c | chloroform | 0.862 | 0.760 | 11.8 | 88 | 0.00 | 8.26 |
| 40 | S | dibromofluoromethane (s) | 0.433 | 0.419 | 3.2 | 96 | 0.00 | 8.38 |
| 41 | M | Tetrahydrofuran | 0.151 | 0.121 | 19.9 | 71 | 0.00 | 8.62 |
| 42 | M | 1,1,1-trichloroethane | 0.707 | 0.626 | 11.5 | 87 | 0.00 | 9.02 |
| 43 | I | 1,4-difluorobenzene | 1.000 | 1.000 | 0.0 | 98 | 0.00 | 9.61 |
| 44 | M | Cyclohexane | 0.581 | 0.522 | 10.2 | 83 | 0.00 | 9.30 |
| 45 | M | carbon tetrachloride | 0.462 | 0.423 | 8.4 | 89 | 0.00 | 9.38 |
| 46 | M | 1,1-dichloropropene | 0.441 | 0.410 | 7.0 | 88 | 0.00 | 9.18 |
| 47 | M | benzene | 1.410 | 1.280 | 9.2 | 87 | 0.00 | 9.41 |
| 48 | M | 1,2-dichloroethane | 0.440 | 0.389 | 11.6 | 88 | 0.00 | 8.91 |
| 49 | M | tert-amyl methyl ether | 0.997 | 0.950 | 4.7 | 83 | 0.00 | 9.54 |
| 50 | M | heptane | 0.475 | 0.447 | 5.9 | 88 | 0.00 | 9.89 |
| 51 | M | trichloroethene | 0.348 | 0.319 | 8.3 | 88 | 0.00 | 10.03 |
| 52 | c | 1,2-dichloropropane | 0.353 | 0.315 | 10.8 | 86 | 0.00 | 9.99 |
| 53 | M | dibromomethane | 0.224 | 0.197 | 12.1 | 87 | 0.00 | 9.97 |
| 54 | M | bromodichloromethane | 0.494 | 0.447 | 9.5 | 89 | 0.00 | 10.08 |
| 55 | M | Methylcyclohexane | 0.587 | 0.547 | 6.8 | 86 | 0.00 | 10.55 |
| | | ---------- | True | Calc. | % Drift | ---------- | | |
| 56 | M | 2-chloroethyl vinyl ether | 100.000 | 78.193 | 21.8# | 77 | 0.00 | 10.45 |
| | | ---------- | AvgRF | CCRF | % Dev | ---------- | | |
| 57 | M | methyl methacrylate | 0.239 | 0.215 | 10.0 | 77 | 0.00 | 10.18 |
| | | ---------- | True | Calc. | % Drift | ---------- | | |
| 58 | M | 1,4-dioxane | 500.000 | 290.508 | 41.9# | 51 | 0.05 | 10.30 |
| | | ---------- | AvgRF | CCRF | % Dev | ---------- | | |
| 59 | M | cis-1,3-dichloropropene | 0.539 | 0.521 | 3.3 | 88 | 0.00 | 10.70 |
| 60 | S | toluene-d8 (s) | 1.216 | 1.176 | 3.3 | 95 | 0.00 | 11.40 |
| 61 | M | 4-methyl-2-pentanone | 0.364 | 0.295 | 19.0 | 73 | 0.00 | 10.79 |
| 62 | c | toluene | 0.906 | 0.828 | 8.6 | 88 | 0.00 | 11.47 |
| 63 | M | trans-1,3-dichloropropene | 0.448 | 0.432 | 3.6 | 85 | 0.00 | 11.11 |
| 64 | M | 1,1,2-trichloroethane | 0.273 | 0.231 | 15.4 | 82 | 0.00 | 11.29 |
| 65 | M | ethyl methacrylate | 0.452 | 0.400 | 11.5 | 78 | 0.00 | 11.49 |
| 66 | I | chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 93 | 0.00 | 12.86 |
| 67 | M | tetrachloroethene | 0.843 | 0.837 | 0.7 | 90 | 0.00 | 12.21 |

# Continuing Calibration Summary

**Job Number:** M64162 **Sample:** MSG2785-CC2782
**Account:** GEI GEI Consultants, Inc. **Lab FileID:** G69286.D
**Project:** Tufts Street Somerville MA

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 68 | M | 1,3-dichloropropane | 1.093 | 0.978 | 10.5 | 83 | 0.00 | 11.52 |
| 69 | M | dibromochloromethane | 0.788 | 0.733 | 7.0 | 85 | 0.00 | 11.81 |
| 70 | M | 1,2-dibromoethane | 0.657 | 0.599 | 8.8 | 82 | 0.00 | 12.06 |
| 71 | M | 2-hexanone | 0.499 | 0.425 | 14.8 | 71 | 0.00 | 11.65 |
| 72 | P | chlorobenzene | 2.062 | 1.922 | 6.8 | 86 | 0.00 | 12.89 |
| 73 | M | 1,1,1,2-tetrachloroethane | 0.739 | 0.707 | 4.3 | 87 | 0.00 | 12.81 |
| 74 | c | ethylbenzene | 3.309 | 3.189 | 3.6 | 85 | 0.00 | 13.07 |
| 75 | M | m,p-xylene | 1.318 | 1.295 | 1.7 | 85 | 0.00 | 13.26 |
| 76 | M | o-xylene | 1.316 | 1.281 | 2.7 | 85 | 0.00 | 13.67 |
| 77 | M | styrene | 2.140 | 2.123 | 0.8 | 83 | 0.00 | 13.60 |
| 78 | P | bromoform | 0.636 | 0.567 | 10.8 | 81 | 0.00 | 13.42 |
| 79 | M | trans-1,4-dichloro-2-bute | 0.203 | 0.170 | 16.3 | 69 | 0.00 | 13.82 |
| 80 | I | 1,4-dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 94 | 0.00 | 15.42 |
| 81 | M | isopropylbenzene | 2.668 | 2.577 | 3.4 | 87 | 0.00 | 14.03 |
| 82 | S | bromofluorobenzene (s) | 0.821 | 0.791 | 3.7 | 92 | 0.00 | 14.09 |
| 83 | M | bromobenzene | 0.898 | 0.832 | 7.3 | 86 | 0.00 | 14.32 |
| 84 | P | 1,1,2,2-tetrachloroethane | 0.823 | 0.670 | 18.6 | 78 | 0.00 | 13.67 |
| 85 | M | 1,2,3-trichloropropane | 0.857 | 0.706 | 17.6 | 74 | 0.00 | 13.82 |
| 86 | M | n-propylbenzene | 3.562 | 3.348 | 6.0 | 84 | 0.00 | 14.48 |
| 87 | M | 2-chlorotoluene | 2.162 | 1.996 | 7.7 | 85 | 0.00 | 14.60 |
| 88 | M | 4-chlorotoluene | 2.191 | 2.001 | 8.7 | 84 | 0.00 | 14.67 |
| 89 | M | 1,3,5-trimethylbenzene | 2.556 | 2.465 | 3.6 | 85 | 0.00 | 14.76 |
| 90 | M | tert-butylbenzene | 1.346 | 1.335 | 0.8 | 88 | 0.00 | 15.06 |
| 91 | M | 1,2,4-trimethylbenzene | 2.644 | 2.538 | 4.0 | 85 | 0.00 | 15.17 |
| 92 | M | sec-butylbenzene | 3.359 | 3.288 | 2.1 | 85 | 0.00 | 15.29 |
| 93 | M | 1,3-dichlorobenzene | 1.698 | 1.583 | 6.8 | 85 | 0.00 | 15.38 |
| 94 | M | p-isopropyltoluene | 2.956 | 2.906 | 1.7 | 85 | 0.00 | 15.46 |
| 95 | M | 1,4-dichlorobenzene | 1.769 | 1.667 | 5.8 | 85 | 0.00 | 15.45 |
| 96 | M | 1,2-dichlorobenzene | 1.626 | 1.535 | 5.6 | 85 | 0.00 | 15.82 |
| 97 | M | n-butylbenzene | 2.621 | 2.584 | 1.4 | 84 | 0.00 | 15.88 |
| 98 | M | 1,2-dibromo-3-chloropropa | 0.148 | 0.116 | 21.6# | 76 | 0.00 | 16.30 |
| 99 | M | 1,2,4-trichlorobenzene | 1.168 | 1.174 | -0.5 | 86 | 0.00 | 17.67 |
| 100 | M | hexachlorobutadiene | 0.652 | 0.662 | -1.5 | 91 | 0.00 | 17.98 |
| 101 | M | naphthalene | 2.517 | 2.260 | 10.2 | 76 | 0.00 | 17.95 |
| 102 | M | 1,2,3-trichlorobenzene | 1.020 | 0.974 | 4.5 | 83 | 0.00 | 18.17 |
| | | | True | Calc. | % Drift | | | |
| 103 | M | 2-Methylnaphthalene | 100.000 | 45.634 | 54.4# | 45 | 0.00 | 19.43 |

( 9.2 %) 9 of 98 compounds'%D > 20

(#) = Out of Range SPCC's out = 0 CCC's out = 0
G69177.D G042507W.M Mon Apr 30 14:14:25 2007 RP1

# Initial Calibration Summary



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

**Sample:** MSN678-ICC678
**Lab FileID:** N18732.D



```
                         Response Factor Report  MAMSN

Method       : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title        : SW-846 Method 8260
Last Update  : Mon Apr 23 12:54:33 2007
Response via : Initial Calibration

Calibration Files
1ppb=N18739.D    2   =N18738.D    5   =N18737.D    50  =N18735.D
100 =N18732.D    200 =N18734.D    400 =N18733.D    0.5 =N18740.D
25  =N18736.D        =

 Compound
           1ppb  2     5     50    100   200   400   0.5   25      Avg    %RSD
-------------------------------------------------------------------------------

1)     tert butyl alcohol-d9 ----------------ISTD---------------------
2)  tertiary butyl alcohol
          1.495 1.366 1.362 1.284 1.139 1.196 1.137       1.276   1.282    9.69

3) I   pentafluorobenzene    ----------------ISTD---------------------
4)  Ethanol
          0.007 0.007 0.006 0.006 0.006 0.004 0.005       0.005   0.006   16.61
           ----- Linear regression -----  Coefficient =  0.9957
             Response Ratio = 0.02299 + 0.00487 *A

5)  dichlorodifluoromethane
          0.370       0.150 0.272 0.359 0.289 0.320       0.284   0.292   24.97
           ----- Linear regression -----  Coefficient =  0.9958
             Response Ratio = -0.01315 + 0.31764 *A

6)  chloromethane
          0.430 0.414 0.341 0.349 0.395 0.357 0.405       0.343   0.379    9.37
7)  vinyl chloride
          0.362 0.344 0.230 0.297 0.341 0.302 0.313       0.303   0.311   13.06
8)  bromomethane
                0.208 0.178 0.201 0.220 0.233 0.253       0.186   0.211   12.56
9)  chloroethane
          0.173 0.148 0.113 0.147 0.163 0.144 0.148       0.150   0.148   11.63
10)  ethyl ether
          0.338 0.310 0.302 0.307 0.345 0.310 0.339       0.307   0.320    5.50
11)  acetonitrile
          0.130 0.118 0.116 0.099 0.119 0.086 0.091       0.106   0.108   14.02
12)  trichlorofluoromethane
          0.580 0.522 0.237 0.476 0.570 0.517 0.580       0.479   0.495   22.72
           ----- Linear regression -----  Coefficient =  0.9972
             Response Ratio = -0.04819 + 0.57539 *A

13)  freon-113
          0.347 0.339 0.141 0.287 0.326 0.299 0.314       0.300   0.294   22.12
           ----- Linear regression -----  Coefficient =  0.9992
             Response Ratio = -0.00846 + 0.31265 *A

14)  acrolein
                      0.078 0.085 0.103 0.083 0.089       0.080   0.086   10.34
15)  1,1-dichloroethene
          0.407 0.413 0.245 0.326 0.369 0.349 0.357       0.326   0.349   15.22
           ----- Linear regression -----  Coefficient =  0.9996
             Response Ratio = -0.00824 + 0.35729 *A
```

# Initial Calibration Summary

**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

**Sample:** MSN678-ICC678
**Lab FileID:** N18732.D

```
16)  acetone
                        0.198 0.156 0.195 0.146 0.183       0.156   0.172   12.96
17)  Methyl Acetate
            0.689 0.626 0.616 0.607 0.739 0.592 0.683       0.572   0.640    8.92
18)  methylene chloride
                  0.527 0.465 0.431 0.486 0.445 0.479       0.431   0.466    7.44
19)  methyl tert butyl ether
            1.069 1.016 0.962 1.052 1.164 1.058 1.113       1.004   1.055    6.02
20)  acrylonitrile
            0.198 0.174 0.173 0.181 0.216 0.168 0.184       0.173   0.183    8.77
21)  allyl chloride
                        0.415 0.384 0.473 0.409 0.491       0.412   0.431    9.67
22)  trans-1,2-dichloroethene
            0.460 0.429 0.342 0.372 0.422 0.417 0.455       0.370   0.408   10.44
23)  iodomethane
            0.670 0.547 0.554 0.557 0.464 0.441 0.359       0.575   0.521   18.37
      Quadratic regr.,Force(0,0) for iodomethane
               Coefficient =  0.9994
               Response Ratio = 0.00000 + 0.52422 *A + -0.02064 *A^2

24)  carbon disulfide
            1.365 1.200 0.841 1.102 1.263 1.168 1.235       1.098   1.159   13.39
25)  propionitrile
                        0.062 0.074 0.086 0.071 0.085       0.069   0.075   12.44
26)  vinyl acetate
            0.572 0.611 0.697 0.827 1.038 0.882 0.976       0.727   0.791   21.25
             ----- Linear regression -----  Coefficient =  0.9971
               Response Ratio = -0.05951 + 0.96951 *A

27)  chloroprene
            0.452 0.397 0.270 0.423 0.509 0.438 0.469       0.405   0.420   16.78
             ----- Linear regression -----  Coefficient =  0.9981
               Response Ratio = -0.01427 + 0.46715 *A

28)  di-isopropyl ether
            1.452 1.333 1.222 1.272 1.504 1.255 1.283       1.284   1.326    7.55
29)  methacrylonitrile
                        0.251 0.281 0.341 0.274 0.334       0.267   0.291   12.79
30)  2-butanone
                        0.047 0.056 0.065 0.053 0.061       0.051   0.056   11.74
31)  Hexane
                        0.346 0.438 0.537 0.443 0.458       0.445   0.445   13.64
32)  1,1-dichloroethane
            0.747 0.692 0.561 0.632 0.735 0.662 0.744       0.638   0.676    9.69
33)  tert-butyl ethyl ether
            1.177 1.092 1.012 1.181 1.363 1.191 1.235       1.153   1.175    8.70
34)  isobutyl alcohol
            0.233 0.224 0.172 0.197 0.236 0.192 0.203       0.193   0.206   10.96
35)  2,2-dichloropropane
            0.501 0.464 0.340 0.461 0.571 0.498 0.490       0.451   0.472   13.84
36)  cis-1,2-dichloroethene
            0.588 0.517 0.431 0.442 0.501 0.481 0.523       0.441   0.491   10.85
37)  ethyl acetate
            1.143 0.229 0.230 0.226 0.011 0.007 0.009       0.215   0.259  144.18
38)  bromochloromethane
            0.217 0.229 0.221 0.219 0.241 0.236 0.260       0.220   0.230    6.40
39)  chloroform
            0.823 0.703 0.645 0.675 0.772 0.701 0.797       0.675   0.724    8.93
40)  dibromofluoromethane (s)
            0.468 0.468 0.461 0.439 0.501 0.470 0.530 0.485 0.449   0.475    5.81
```

# Initial Calibration Summary

**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

**Sample:** MSN678-ICC678
**Lab FileID:** N18732.D

```
41)  Tetrahydrofuran
                                0.134 0.169 0.135 0.170       0.119   0.145   15.65
         ----- Quadratic regression -----                 Coefficient =  0.9943
              Response Ratio = 0.02452 + 0.11157 *A + 0.00677 *A^2

42)  1,1,1-trichloroethane
           0.629 0.524 0.392 0.534 0.627 0.564 0.617       0.536   0.553   14.16

43) I   1,4-difluorobenzene   ----------------ISTD---------------------
44)  Cyclohexane
           0.458 0.420 0.183 0.398 0.448 0.404 0.406       0.387   0.388   22.24
            ----- Linear regression -----  Coefficient =  0.9992
              Response Ratio = 0.00265 + 0.40717 *A

45)  carbon tetrachloride
                        0.209 0.359 0.407 0.381 0.377       0.354   0.348   20.24
            ----- Linear regression -----  Coefficient =  0.9993
              Response Ratio = 0.00029 + 0.37867 *A

46)  1,1-dichloropropene
           0.417 0.373 0.226 0.361 0.390 0.366 0.373       0.349   0.357   15.88
            ----- Linear regression -----  Coefficient =  0.9997
              Response Ratio = -0.00375 + 0.37258 *A

47)  benzene
           1.446 1.190 1.021 1.147 1.235 1.124 1.126 1.204 1.133   1.181    9.88
48)  1,2-dichloroethane
           0.492 0.372 0.347 0.361 0.403 0.362 0.398       0.360   0.387   12.10
49)  tert-amyl methyl ether
           0.822 0.760 0.712 0.869 0.942 0.884 0.907       0.826   0.841    9.10
50)  heptane
           0.346 0.332 0.144 0.252 0.293 0.260 0.265       0.253   0.268   23.02
            ----- Linear regression -----  Coefficient =  0.9990
              Response Ratio = 0.00108 + 0.26527 *A

51)  trichloroethene
           0.423 0.319 0.264 0.313 0.334 0.311 0.322       0.314   0.325   13.73
52)  1,2-dichloropropane
           0.347 0.289 0.274 0.294 0.319 0.291 0.300       0.295   0.301    7.41
53)  dibromomethane
           0.243 0.224 0.201 0.213 0.224 0.195 0.202       0.209   0.214    7.35
54)  bromodichloromethane
           0.425 0.399 0.372 0.429 0.463 0.438 0.468       0.405   0.425    7.61
55)  Methylcyclohexane
           0.456 0.467 0.181 0.446 0.494 0.453 0.459       0.447   0.426   23.46
            ----- Linear regression -----  Coefficient =  0.9994
              Response Ratio = -0.00107 + 0.45976 *A

56)  2-chloroethyl vinyl ether
           0.347 0.289 0.274 0.294 0.319 0.291 0.300       0.295   0.301    7.42
57)  methyl methacrylate
                        0.175 0.228 0.260 0.235 0.258       0.204   0.227   14.39
58)  1,4-dioxane
                        0.007 0.006 0.006 0.005 0.006       0.006   0.006    7.00
59)  cis-1,3-dichloropropene
           0.452 0.438 0.398 0.478 0.517 0.489 0.525 0.386 0.451   0.459   10.48
60)  toluene-d8 (s)
           1.249 1.219 1.219 1.225 1.311 1.258 1.360 1.239 1.219   1.256    3.90
61)  4-methyl-2-pentanone
           0.309 0.282 0.285 0.332 0.400 0.340 0.405       0.301   0.332   14.49
```

# Initial Calibration Summary

**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

**Sample:** MSN678-ICC678
**Lab FileID:** N18732.D

```
62)  toluene
           0.943 0.765 0.670 0.766 0.816 0.770 0.800       0.748   0.785    9.84
63)  trans-1,3-dichloropropene
           0.403 0.354 0.341 0.419 0.465 0.442 0.494 0.359 0.391   0.408   12.87
64)  1,1,2-trichloroethane
           0.289 0.263 0.244 0.266 0.285 0.268 0.293       0.264   0.272    6.00
65)  ethyl methacrylate
           0.412 0.382 0.341 0.430 0.488 0.449 0.482       0.394   0.422   11.96

66) I   chlorobenzene-d5      ----------------ISTD---------------------
67)  tetrachloroethene
           1.013 0.933 0.648 0.838 0.752 0.809 0.768       0.850   0.827   13.55
68)  1,3-dichloropropane
           1.078 1.033 0.940 0.992 0.939 0.937 0.885       1.003   0.976    6.38
69)  dibromochloromethane
           0.783 0.712 0.673 0.790 0.767 0.811 0.827       0.767   0.766    6.67
70)  1,2-dibromoethane
           0.805 0.699 0.659 0.714 0.677 0.701 0.709       0.689   0.707    6.14
71)  2-hexanone
           0.404 0.438 0.461 0.503 0.549 0.487 0.540       0.459   0.480   10.31
72)  chlorobenzene
           2.256 2.139 1.875 1.892 1.791 1.859 1.788       1.903   1.938    8.71
73)  1,1,1,2-tetrachloroethane
           0.611 0.658 0.585 0.662 0.630 0.680 0.703       0.645   0.647    5.86
74)  ethylbenzene
           3.213 2.926 2.474 2.986 2.940 3.010 2.922       3.028   2.937    7.12
75)  m,p-xylene
           1.263 1.223 1.019 1.235 1.199 1.210 1.117       1.253   1.190    6.93
76)  o-xylene
           1.222 1.195 1.092 1.224 1.204 1.232 1.127       1.237   1.192    4.48
77)  styrene
           1.683 1.647 1.621 2.022 1.992 2.129 2.040       1.951   1.886   10.70
78)  bromoform
           0.529 0.578 0.574 0.693 0.689 0.770 0.819       0.639   0.661   15.21
            ----- Linear regression -----  Coefficient =  0.9982
              Response Ratio = -0.08584 + 0.81733 *A

79)  trans-1,4-dichloro-2-butene
           0.245 0.214 0.232 0.241 0.278 0.261 0.278       0.232   0.248    9.23

80) I   1,4-dichlorobenzene-d ----------------ISTD---------------------
81)  isopropylbenzene
           2.083 1.973 1.534 2.140 2.078 2.110 2.076       2.091   2.011    9.87
82)  bromofluorobenzene (s)
           0.794 0.809 0.795 0.782 0.756 0.777 0.788 0.825 0.789   0.791    2.43
83)  bromobenzene
           1.017 0.888 0.759 0.818 0.751 0.800 0.779       0.790   0.825   10.71
84)  1,1,2,2-tetrachloroethane
           0.940 0.774 0.722 0.734 0.737 0.664 0.620       0.679   0.734   13.15
85)  1,2,3-trichloropropane
           0.960 0.844 0.773 0.843 0.865 0.818 0.829       0.770   0.838    7.11
86)  n-propylbenzene
           3.226 3.060 2.308 2.999 2.994 2.895 2.758       2.932   2.897    9.43
87)  2-chlorotoluene
           2.171 1.817 1.644 1.777 1.761 1.729 1.671       1.755   1.791    9.15
88)  4-chlorotoluene
           2.287 2.035 1.751 1.874 1.831 1.795 1.728       1.847   1.893    9.75
89)  1,3,5-trimethylbenzene
           2.205 2.080 1.675 2.089 2.103 2.093 2.002       2.007   2.032    7.75
90)  tert-butylbenzene
```

# Initial Calibration Summary

**Job Number:** M64162 **Sample:** MSN678-ICC678
**Account:** GEI GEI Consultants, Inc. **Lab FileID:** N18732.D
**Project:** Tufts Street Somerville MA

```
            1.207 1.112 0.830 1.147 1.188 1.172 1.144       1.126   1.116   10.72
 91)  1,2,4-trimethylbenzene
            2.220 2.259 1.933 2.226 2.249 2.206 2.083       2.183   2.170    5.07
 92)  sec-butylbenzene
            3.239 2.908 2.045 2.889 2.962 2.868 2.681       2.870   2.808   12.28
 93)  1,3-dichlorobenzene
            2.160 1.878 1.596 1.561 1.503 1.522 1.421       1.527   1.646   15.03
             ----- Linear regression -----  Coefficient =  0.9989
               Response Ratio = 0.08214 + 1.43098 *A

 94)  p-isopropyltoluene
            3.111 2.807 2.014 2.479 2.542 2.419 2.200       2.440   2.502   13.57
 95)  o-isopropyltoluene
            3.121                                                   3.121    0.00
 96)  1,4-dichlorobenzene
            2.400 2.074 1.715 1.634 1.583 1.529 1.357 2.641 1.610   1.838   23.69
             ----- Linear regression -----  Coefficient =  0.9959
               Response Ratio = 0.14822 + 1.37656 *A

 97)  1,2-dichlorobenzene
            1.873 1.777 1.537 1.539 1.511 1.522 1.407       1.496   1.583    9.95
 98)  n-butylbenzene
            3.106 2.866 1.998 2.489 2.550 2.365 2.168       2.415   2.495   14.30
 99)  1,2-dibromo-3-chloropropane
            0.198 0.154 0.149 0.144 0.160 0.141 0.147       0.132   0.153   13.11
100)  1,2,4-trichlorobenzene
                        1.519 1.357 1.281 1.253 1.155       1.289   1.309    9.30
101)  hexachlorobutadiene
                        0.660 0.683 0.654 0.660 0.623       0.641   0.654    3.13
102)  naphthalene
                        3.331 3.225 3.117 2.873 2.776       2.968   3.048    7.00
103)  1,2,3-trichlorobenzene
            2.112 1.886 1.466 1.315 1.226 1.202 1.128 2.714 1.252   1.589   33.91
             ----- Linear regression -----  Coefficient =  0.9988
               Response Ratio = 0.08321 + 1.13423 *A

104)  2-Methylnaphthalene
                                                0.003               0.003    0.00
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           N042007W.M        Mon Apr 23 13:09:01 2007   RP1
```

# Initial Calibration Verification



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

**Sample:** MSN678-ICV678
**Lab FileID:** N18741.D

Evaluate Continuing Calibration Report

```
Data File : C:\MSDCHEM\1\DATA\N18741.D                    Vial: 25
Acq On    : 20 Apr 2007   7:37 pm                    Operator: alit
Sample    : icv678-50                                Inst    : MAMSN
Misc      : ms13382,msn678,,,,5,1                    Multiplr: 1.00
MS Integration Params: rteint.p

Method       : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title        : SW-846 Method 8260
Last Update  : Sat Apr 21 13:51:39 2007
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  30%     Max. Rel. Area : 200%
```

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) | R.T. |
|---|---|---|---|---|---|---|---|---|
| 1 | | tert butyl alcohol-d9 | 1.000 | 1.000 | 0.0 | 84 | 0.00 | 5.86 |
| 2 | | tertiary butyl alcohol | 1.282 | 1.186 | 7.5 | 78 | 0.00 | 5.94 |
| 3 | I | pentafluorobenzene | 1.000 | 1.000 | 0.0 | 80 | 0.00 | 8.28 |
| | | ---------- | True | Calc. | % Drift | ---------- | | |
| 4 | T | Ethanol | 5000.000 | 4663.002 | 6.7 | 68 | 0.00 | 4.78 |
| 5 | M | dichlorodifluoromethane | 50.000 | 34.814 | 30.4# | 61 | 0.00 | 3.71 |
| | | ---------- | AvgRF | CCRF | % Dev | ---------- | | |
| 6 | P | chloromethane | 0.379 | 0.367 | 3.2 | 84 | 0.00 | 3.94 |
| 7 | c | vinyl chloride | 0.311 | 0.326 | -4.8 | 88 | 0.00 | 4.16 |
| 8 | M | bromomethane | 0.211 | 0.206 | 2.4 | 82 | 0.00 | 4.62 |
| 9 | M | chloroethane | 0.148 | 0.168 | -13.5 | 91 | 0.00 | 4.77 |
| 10 | M | ethyl ether | 0.320 | 0.305 | 4.7 | 80 | 0.00 | 5.61 |
| 11 | M | acetonitrile | 0.108 | 0.109 | -0.9 | 88 | 0.00 | 5.37 |
| | | ---------- | True | Calc. | % Drift | ---------- | | |
| 12 | M | trichlorofluoromethane | 50.000 | 49.629 | 0.7 | 88 | 0.00 | 5.38 |
| 13 | M | freon-113 | 50.000 | 55.989 | -12.0 | 95 | 0.00 | 6.13 |
| | | ---------- | AvgRF | CCRF | % Dev | ---------- | | |
| 14 | M | acrolein | 0.086 | 0.074 | 14.0 | 70 | 0.00 | 5.36 |
| | | ---------- | True | Calc. | % Drift | ---------- | | |
| 15 | c | 1,1-dichloroethene | 50.000 | 52.111 | -4.2 | 90 | 0.00 | 5.94 |
| | | ---------- | AvgRF | CCRF | % Dev | ---------- | | |
| 16 | M | acetone | 0.172 | 0.172 | 0.0 | 88 | 0.00 | 5.49 |
| 17 | M | Methyl Acetate | 0.640 | 0.529 | 17.3 | 70 | 0.00 | 6.12 |
| 18 | M | methylene chloride | 0.466 | 0.486 | -4.3 | 90 | 0.00 | 6.09 |
| 19 | M | methyl tert butyl ether | 1.055 | 1.122 | -6.4 | 85 | 0.00 | 6.86 |
| 20 | M | acrylonitrile | 0.183 | 0.202 | -10.4 | 89 | 0.00 | 5.99 |
| 21 | M | allyl chloride | 0.431 | 0.468 | -8.6 | 98 | 0.00 | 6.18 |
| 22 | M | trans-1,2-dichloroethene | 0.408 | 0.413 | -1.2 | 89 | 0.00 | 6.76 |
| | | ---------- | True | Calc. | % Drift | ---------- | | |
| 23 | M | iodomethane | 50.000 | 56.648 | -13.3 | 82 | 0.00 | 5.99 |
| | | ---------- | AvgRF | CCRF | % Dev | ---------- | | |
| 24 | M | carbon disulfide | 1.159 | 1.449 | -25.0 | 105 | 0.00 | 6.35 |
| 25 | M | propionitrile | 0.075 | 0.074 | 1.3 | 79 | 0.00 | 7.01 |

# Initial Calibration Verification

**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

**Sample:** MSN678-ICV678
**Lab FileID:** N18741.D

| | | | True | Calc. | % Drift | | | |
|---|---|---|---|---|---|---|---|---|
| 26 | M | vinyl acetate | 50.000 | 22.541 | 54.9# | 37 | 0.00 | 7.12 |
| 27 | M | chloroprene | 50.000 | 54.789 | -9.6 | 94 | 0.00 | 7.38 |

| | | | AvgRF | CCRF | % Dev | | | |
|---|---|---|---|---|---|---|---|---|
| 28 | M | di-isopropyl ether | 1.326 | 1.355 | -2.2 | 85 | 0.00 | 7.43 |
| 29 | M | methacrylonitrile | 0.291 | 0.301 | -3.4 | 86 | 0.00 | 7.53 |
| 30 | M | 2-butanone | 0.056 | 0.058 | -3.6 | 83 | 0.00 | 7.42 |
| 31 | M | Hexane | 0.445 | 0.481 | -8.1 | 88 | 0.00 | 7.40 |
| 32 | P | 1,1-dichloroethane | 0.676 | 0.727 | -7.5 | 92 | 0.00 | 7.01 |
| 33 | M | tert-butyl ethyl ether | 1.175 | 1.216 | -3.5 | 82 | 0.00 | 7.82 |
| 34 | M | isobutyl alcohol | 0.206 | 0.211 | -2.4 | 86 | 0.00 | 7.42 |
| 35 | M | 2,2-dichloropropane | 0.472 | 0.493 | -4.4 | 86 | 0.00 | 7.86 |
| 36 | M | cis-1,2-dichloroethene | 0.491 | 0.463 | 5.7 | 84 | 0.00 | 7.58 |
| 37 | M | ethyl acetate | 0.259 | 0.412 | -59.1# | 146 | -0.01 | 7.73 |
| 38 | M | bromochloromethane | 0.230 | 0.242 | -5.2 | 89 | 0.00 | 7.74 |
| 39 | c | chloroform | 0.724 | 0.763 | -5.4 | 91 | 0.00 | 7.78 |
| 40 | S | dibromofluoromethane (s) | 0.475 | 0.487 | -2.5 | 89 | 0.00 | 7.90 |

| | | | True | Calc. | % Drift | | | |
|---|---|---|---|---|---|---|---|---|
| 41 | M | Tetrahydrofuran | 50.000 | 49.845 | 0.3 | 85 | 0.00 | 8.11 |

| | | | AvgRF | CCRF | % Dev | | | |
|---|---|---|---|---|---|---|---|---|
| 42 | M | 1,1,1-trichloroethane | 0.553 | 0.618 | -11.8 | 93 | 0.00 | 8.53 |
| 43 | I | 1,4-difluorobenzene | 1.000 | 1.000 | 0.0 | 84 | 0.00 | 9.14 |

| | | | True | Calc. | % Drift | | | |
|---|---|---|---|---|---|---|---|---|
| 44 | M | Cyclohexane | 50.000 | 51.902 | -3.8 | 90 | 0.00 | 8.81 |
| 45 | M | carbon tetrachloride | 50.000 | 52.180 | -4.4 | 93 | 0.00 | 8.89 |
| 46 | M | 1,1-dichloropropene | 50.000 | 52.270 | -4.5 | 90 | 0.00 | 8.70 |

| | | | AvgRF | CCRF | % Dev | | | |
|---|---|---|---|---|---|---|---|---|
| 47 | M | benzene | 1.181 | 1.207 | -2.2 | 89 | 0.00 | 8.93 |
| 48 | M | 1,2-dichloroethane | 0.387 | 0.397 | -2.6 | 93 | 0.00 | 8.43 |
| 49 | M | tert-amyl methyl ether | 0.841 | 0.838 | 0.4 | 81 | 0.00 | 9.06 |

| | | | True | Calc. | % Drift | | | |
|---|---|---|---|---|---|---|---|---|
| 50 | M | heptane | 50.000 | 48.809 | 2.4 | 87 | 0.00 | 9.42 |

| | | | AvgRF | CCRF | % Dev | | | |
|---|---|---|---|---|---|---|---|---|
| 51 | M | trichloroethene | 0.325 | 0.352 | -8.3 | 95 | 0.00 | 9.55 |
| 52 | c | 1,2-dichloropropane | 0.301 | 0.321 | -6.6 | 92 | 0.00 | 9.51 |
| 53 | M | dibromomethane | 0.214 | 0.219 | -2.3 | 87 | 0.00 | 9.48 |
| 54 | M | bromodichloromethane | 0.425 | 0.434 | -2.1 | 85 | 0.00 | 9.60 |

| | | | True | Calc. | % Drift | | | |
|---|---|---|---|---|---|---|---|---|
| 55 | M | Methylcyclohexane | 50.000 | 49.113 | 1.8 | 85 | 0.00 | 10.07 |

| | | | AvgRF | CCRF | % Dev | | | |
|---|---|---|---|---|---|---|---|---|
| 56 | M | 2-chloroethyl vinyl ether | 0.301 | 0.321 | -6.6 | 92 | 0.00 | 9.51 |
| 57 | M | methyl methacrylate | 0.227 | 0.221 | 2.6 | 82 | 0.00 | 9.71 |
| 58 | M | 1,4-dioxane | 0.006 | 0.005 | 16.7 | 73 | 0.00 | 9.69 |
| 59 | M | cis-1,3-dichloropropene | 0.459 | 0.484 | -5.4 | 85 | 0.00 | 10.22 |
| 60 | S | toluene-d8 (s) | 1.256 | 1.252 | 0.3 | 86 | 0.00 | 10.93 |
| 61 | M | 4-methyl-2-pentanone | 0.332 | 0.346 | -4.2 | 88 | 0.00 | 10.32 |
| 62 | c | toluene | 0.785 | 0.791 | -0.8 | 87 | 0.00 | 11.00 |
| 63 | M | trans-1,3-dichloropropene | 0.408 | 0.433 | -6.1 | 87 | 0.00 | 10.65 |
| 64 | M | 1,1,2-trichloroethane | 0.272 | 0.275 | -1.1 | 87 | 0.00 | 10.81 |

# Initial Calibration Verification

**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

**Sample:** MSN678-ICV678
**Lab FileID:** N18741.D

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 65 | M | ethyl methacrylate | 0.422 | 0.439 | -4.0 | 86 | 0.00 | 11.04 |
| 66 | I | chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 89 | 0.00 | 12.38 |
| 67 | M | tetrachloroethene | 0.827 | 0.806 | 2.5 | 85 | 0.00 | 11.74 |
| 68 | M | 1,3-dichloropropane | 0.976 | 0.992 | -1.6 | 88 | 0.00 | 11.05 |
| 69 | M | dibromochloromethane | 0.766 | 0.741 | 3.3 | 83 | 0.00 | 11.33 |
| 70 | M | 1,2-dibromoethane | 0.707 | 0.691 | 2.3 | 86 | 0.00 | 11.58 |
| 71 | M | 2-hexanone | 0.480 | 0.486 | -1.3 | 86 | 0.00 | 11.18 |
| 72 | P | chlorobenzene | 1.938 | 1.800 | 7.1 | 84 | 0.00 | 12.42 |
| 73 | M | 1,1,1,2-tetrachloroethane | 0.647 | 0.641 | 0.9 | 86 | 0.00 | 12.34 |
| 74 | c | ethylbenzene | 2.937 | 2.930 | 0.2 | 87 | 0.00 | 12.60 |
| 75 | M | m,p-xylene | 1.190 | 1.191 | -0.1 | 85 | 0.00 | 12.79 |
| 76 | M | o-xylene | 1.192 | 1.213 | -1.8 | 88 | 0.00 | 13.19 |
| 77 | M | styrene | 1.886 | 1.921 | -1.9 | 84 | 0.00 | 13.12 |
| | | ---------- | True | Calc. | % Drift | ---------- | | |
| 78 | P | bromoform | 50.000 | 44.283 | 11.4 | 82 | 0.00 | 12.93 |
| | | ---------- | AvgRF | CCRF | % Dev | ---------- | | |
| 79 | M | trans-1,4-dichloro-2-bute | 0.248 | 0.236 | 4.8 | 87 | 0.00 | 13.35 |
| 80 | I | 1,4-dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 88 | 0.00 | 14.94 |
| 81 | M | isopropylbenzene | 2.011 | 2.114 | -5.1 | 87 | 0.00 | 13.56 |
| 82 | S | bromofluorobenzene (s) | 0.791 | 0.786 | 0.6 | 88 | 0.00 | 13.61 |
| 83 | M | bromobenzene | 0.825 | 0.771 | 6.5 | 83 | 0.00 | 13.83 |
| 84 | P | 1,1,2,2-tetrachloroethane | 0.734 | 0.709 | 3.4 | 85 | 0.00 | 13.19 |
| 85 | M | 1,2,3-trichloropropane | 0.838 | 0.820 | 2.1 | 86 | 0.00 | 13.34 |
| 86 | M | n-propylbenzene | 2.897 | 2.983 | -3.0 | 88 | 0.00 | 14.00 |
| 87 | M | 2-chlorotoluene | 1.791 | 1.770 | 1.2 | 88 | 0.00 | 14.11 |
| 88 | M | 4-chlorotoluene | 1.893 | 1.849 | 2.3 | 87 | 0.00 | 14.19 |
| 89 | M | 1,3,5-trimethylbenzene | 2.032 | 2.061 | -1.4 | 87 | 0.00 | 14.29 |
| 90 | M | tert-butylbenzene | 1.116 | 1.148 | -2.9 | 88 | 0.00 | 14.58 |
| 91 | M | 1,2,4-trimethylbenzene | 2.170 | 2.213 | -2.0 | 88 | 0.00 | 14.69 |
| 92 | M | sec-butylbenzene | 2.808 | 2.865 | -2.0 | 87 | 0.00 | 14.81 |
| 93 | M | 1,3-dichlorobenzene | 1.646 | 1.473 | 10.5 | 83 | 0.00 | 14.90 |
| 94 | M | p-isopropyltoluene | 2.502 | 2.438 | 2.6 | 87 | 0.00 | 14.99 |
| 95 | | o-isopropyltoluene | | ----------NA---------- | | | | |
| | | ---------- | True | Calc. | % Drift | ---------- | | |
| 96 | M | 1,4-dichlorobenzene | 50.000 | 51.075 | -2.2 | 84 | 0.00 | 14.97 |
| | | ---------- | AvgRF | CCRF | % Dev | ---------- | | |
| 97 | M | 1,2-dichlorobenzene | 1.583 | 1.462 | 7.6 | 84 | 0.00 | 15.33 |
| 98 | M | n-butylbenzene | 2.495 | 2.443 | 2.1 | 86 | 0.00 | 15.40 |
| 99 | M | 1,2-dibromo-3-chloropropa | 0.153 | 0.139 | 9.2 | 85 | 0.00 | 15.81 |
| 100 | M | 1,2,4-trichlorobenzene | 1.309 | 1.192 | 8.9 | 77 | 0.00 | 17.17 |
| 101 | M | hexachlorobutadiene | 0.654 | 0.603 | 7.8 | 78 | 0.00 | 17.45 |
| 102 | M | naphthalene | 3.048 | 2.861 | 6.1 | 78 | 0.00 | 17.42 |
| | | ---------- | True | Calc. | % Drift | ---------- | | |
| 103 | M | 1,2,3-trichlorobenzene | 50.000 | 46.822 | 6.4 | 77 | 0.00 | 17.62 |
| | | ---------- | AvgRF | CCRF | % Dev | ---------- | | |
| 104 | M | 2-Methylnaphthalene | | ----------NA---------- | | | | |

( 3.1 %) 3 of 98 compounds'%D > 30

(#) = Out of Range SPCC's out = 0 CCC's out = 0

# Initial Calibration Verification

**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

**Sample:** MSN678-ICV678
**Lab FileID:** N18741.D

N18735.D N042007W.M Sat Apr 21 13:58:17 2007 RP1

# Continuing Calibration Summary



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

**Sample:** MSN683-CC678
**Lab FileID:** N18881.D

Evaluate Continuing Calibration Report

```
Data File : C:\MSDCHEM\1\DATA\N18881.D                    Vial: 17
Acq On    : 26 Apr 2007  10:43 am                    Operator: alit
Sample    : CC678-100                                Inst    : MAMSN
Misc      : ms13429,msn683,,,,5,1                    Multiplr: 1.00
MS Integration Params: rteint.p

Method       : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title        : SW-846 Method 8260
Last Update  : Wed Apr 25 10:27:30 2007
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  30%     Max. Rel. Area : 200%
```

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) | R.T. |
|---|---|---|---|---|---|---|---|---|
| 1 | | tert butyl alcohol-d9 | 1.000 | 1.000 | 0.0 | 65 | 0.00 | 5.86 |
| 2 | | tertiary butyl alcohol | 1.282 | 1.182 | 7.8 | 68 | 0.00 | 5.94 |
| 3 | I | pentafluorobenzene | 1.000 | 1.000 | 0.0 | 65 | 0.00 | 8.28 |
| | | ---------- | True | Calc. | % Drift | ---------- | | |
| 4 | T | Ethanol | 10000.000 | 11621.157 | -16.2 | 66 | 0.00 | 4.78 |
| 5 | M | dichlorodifluoromethane | 100.000 | 99.848 | 0.2 | 56 | 0.00 | 3.71 |
| | | ---------- | AvgRF | CCRF | % Dev | ---------- | | |
| 6 | P | chloromethane | 0.379 | 0.344 | 9.2 | 57 | 0.00 | 3.94 |
| 7 | c | vinyl chloride | 0.311 | 0.316 | -1.6 | 60 | 0.00 | 4.16 |
| 8 | M | bromomethane | 0.211 | 0.200 | 5.2 | 59 | 0.00 | 4.61 |
| 9 | M | chloroethane | 0.148 | 0.169 | -14.2 | 68 | 0.00 | 4.77 |
| 10 | M | ethyl ether | 0.320 | 0.353 | -10.3 | 66 | 0.00 | 5.61 |
| 11 | M | acetonitrile | 0.108 | 0.123 | -13.9 | 67 | 0.00 | 5.38 |
| | | ---------- | True | Calc. | % Drift | ---------- | | |
| 12 | M | trichlorofluoromethane | 100.000 | 110.216 | -10.2 | 70 | 0.00 | 5.38 |
| 13 | M | freon-113 | 100.000 | 108.948 | -8.9 | 67 | 0.00 | 6.13 |
| | | ---------- | AvgRF | CCRF | % Dev | ---------- | | |
| 14 | M | acrolein | 0.086 | 0.101 | -17.4 | 64 | 0.00 | 5.37 |
| | | ---------- | True | Calc. | % Drift | ---------- | | |
| 15 | c | 1,1-dichloroethene | 100.000 | 100.091 | -0.1 | 62 | 0.00 | 5.94 |
| | | ---------- | AvgRF | CCRF | % Dev | ---------- | | |
| 16 | M | acetone | 0.172 | 0.199 | -15.7 | 67 | 0.00 | 5.49 |
| 17 | M | Methyl Acetate | 0.640 | 0.783 | -22.3 | 69 | 0.00 | 6.12 |
| 18 | M | methylene chloride | 0.466 | 0.485 | -4.1 | 65 | 0.00 | 6.08 |
| 19 | M | methyl tert butyl ether | 1.055 | 1.197 | -13.5 | 67 | 0.00 | 6.86 |
| 20 | M | acrylonitrile | 0.183 | 0.214 | -16.9 | 64 | 0.00 | 5.99 |
| 21 | M | allyl chloride | 0.431 | 0.511 | -18.6 | 70 | 0.00 | 6.18 |
| 22 | M | trans-1,2-dichloroethene | 0.408 | 0.400 | 2.0 | 62 | 0.00 | 6.77 |
| | | ---------- | True | Calc. | % Drift | ---------- | | |
| 23 | M | iodomethane | 100.000 | 93.087 | 6.9 | 63 | 0.00 | 5.99 |
| | | ---------- | AvgRF | CCRF | % Dev | ---------- | | |
| 24 | M | carbon disulfide | 1.159 | 1.208 | -4.2 | 62 | 0.00 | 6.34 |
| 25 | M | propionitrile | 0.075 | 0.083 | -10.7 | 63 | 0.00 | 7.01 |

# Continuing Calibration Summary

**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

**Sample:** MSN683-CC678
**Lab FileID:** N18881.D

| | | | True | Calc. | % Drift | | | |
|---|---|---|---|---|---|---|---|---|
| 26 | M | vinyl acetate | 100.000 | 113.354 | -13.4 | 67 | 0.00 | 7.12 |
| 27 | M | chloroprene | 100.000 | 116.063 | -16.1 | 68 | 0.00 | 7.38 |

| | | | AvgRF | CCRF | % Dev | | | |
|---|---|---|---|---|---|---|---|---|
| 28 | M | di-isopropyl ether | 1.326 | 1.545 | -16.5 | 67 | 0.00 | 7.43 |
| 29 | M | methacrylonitrile | 0.291 | 0.365 | -25.4 | 70 | 0.00 | 7.53 |
| 30 | M | 2-butanone | 0.056 | 0.067 | -19.6 | 67 | 0.00 | 7.42 |
| 31 | M | Hexane | 0.445 | 0.581 | -30.6# | 70 | 0.00 | 7.41 |
| 32 | P | 1,1-dichloroethane | 0.676 | 0.742 | -9.8 | 66 | 0.00 | 7.01 |
| 33 | M | tert-butyl ethyl ether | 1.175 | 1.404 | -19.5 | 67 | 0.00 | 7.82 |
| 34 | M | isobutyl alcohol | 0.206 | 0.251 | -21.8 | 69 | 0.00 | 7.42 |
| 35 | M | 2,2-dichloropropane | 0.472 | 0.614 | -30.1# | 70 | 0.00 | 7.86 |
| 36 | M | cis-1,2-dichloroethene | 0.491 | 0.499 | -1.6 | 65 | 0.00 | 7.58 |
| 37 | M | ethyl acetate | 0.259 | 0.286 | -10.4 | 1760# | 0.10 | 7.84 |
| 38 | M | bromochloromethane | 0.230 | 0.245 | -6.5 | 66 | 0.00 | 7.74 |
| 39 | c | chloroform | 0.724 | 0.827 | -14.2 | 70 | 0.00 | 7.78 |
| 40 | S | dibromofluoromethane (s) | 0.475 | 0.541 | -13.9 | 70 | 0.00 | 7.90 |

| | | | True | Calc. | % Drift | | | |
|---|---|---|---|---|---|---|---|---|
| 41 | M | Tetrahydrofuran | 100.000 | 126.734 | -26.7 | 67 | 0.00 | 8.10 |

| | | | AvgRF | CCRF | % Dev | | | |
|---|---|---|---|---|---|---|---|---|
| 42 | M | 1,1,1-trichloroethane | 0.553 | 0.671 | -21.3 | 70 | 0.00 | 8.53 |
| 43 | I | 1,4-difluorobenzene | 1.000 | 1.000 | 0.0 | 68 | 0.00 | 9.14 |

| | | | True | Calc. | % Drift | | | |
|---|---|---|---|---|---|---|---|---|
| 44 | M | Cyclohexane | 100.000 | 103.923 | -3.9 | 64 | 0.00 | 8.81 |
| 45 | M | carbon tetrachloride | 100.000 | 111.582 | -11.6 | 70 | 0.00 | 8.89 |
| 46 | M | 1,1-dichloropropene | 100.000 | 102.894 | -2.9 | 66 | 0.00 | 8.70 |

| | | | AvgRF | CCRF | % Dev | | | |
|---|---|---|---|---|---|---|---|---|
| 47 | M | benzene | 1.181 | 1.169 | 1.0 | 64 | 0.00 | 8.92 |
| 48 | M | 1,2-dichloroethane | 0.387 | 0.444 | -14.7 | 75 | 0.00 | 8.43 |
| 49 | M | tert-amyl methyl ether | 0.841 | 0.917 | -9.0 | 66 | 0.00 | 9.06 |

| | | | True | Calc. | % Drift | | | |
|---|---|---|---|---|---|---|---|---|
| 50 | M | heptane | 100.000 | 103.415 | -3.4 | 63 | 0.00 | 9.42 |

| | | | AvgRF | CCRF | % Dev | | | |
|---|---|---|---|---|---|---|---|---|
| 51 | M | trichloroethene | 0.325 | 0.320 | 1.5 | 65 | 0.00 | 9.55 |
| 52 | c | 1,2-dichloropropane | 0.301 | 0.306 | -1.7 | 65 | 0.00 | 9.51 |
| 53 | M | dibromomethane | 0.214 | 0.224 | -4.7 | 68 | 0.00 | 9.48 |
| 54 | M | bromodichloromethane | 0.425 | 0.478 | -12.5 | 70 | 0.00 | 9.60 |

| | | | True | Calc. | % Drift | | | |
|---|---|---|---|---|---|---|---|---|
| 55 | M | Methylcyclohexane | 100.000 | 100.823 | -0.8 | 63 | 0.00 | 10.07 |

| | | | AvgRF | CCRF | % Dev | | | |
|---|---|---|---|---|---|---|---|---|
| 56 | M | 2-chloroethyl vinyl ether | 0.301 | 0.306 | -1.7 | 65 | 0.00 | 9.51 |
| 57 | M | methyl methacrylate | 0.227 | 0.246 | -8.4 | 64 | 0.00 | 9.71 |
| 58 | M | 1,4-dioxane | 0.006 | 0.005 | 16.7 | 58 | 0.00 | 9.70 |
| 59 | M | cis-1,3-dichloropropene | 0.459 | 0.512 | -11.5 | 67 | 0.00 | 10.22 |
| 60 | S | toluene-d8 (s) | 1.256 | 1.321 | -5.2 | 68 | 0.00 | 10.93 |
| 61 | M | 4-methyl-2-pentanone | 0.332 | 0.413 | -24.4 | 70 | 0.00 | 10.32 |
| 62 | c | toluene | 0.785 | 0.776 | 1.1 | 64 | 0.00 | 11.00 |
| 63 | M | trans-1,3-dichloropropene | 0.408 | 0.471 | -15.4 | 68 | 0.00 | 10.64 |
| 64 | M | 1,1,2-trichloroethane | 0.272 | 0.277 | -1.8 | 66 | 0.00 | 10.81 |

# Continuing Calibration Summary

**Job Number:** M64162 **Sample:** MSN683-CC678
**Account:** GEI GEI Consultants, Inc. **Lab FileID:** N18881.D
**Project:** Tufts Street Somerville MA

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 65 | M | ethyl methacrylate | 0.422 | 0.485 | -14.9 | 67 | 0.00 | 11.04 |
| 66 | I | chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 67 | 0.00 | 12.38 |
| 67 | M | tetrachloroethene | 0.827 | 0.726 | 12.2 | 65 | 0.00 | 11.74 |
| 68 | M | 1,3-dichloropropane | 0.976 | 0.969 | 0.7 | 69 | 0.00 | 11.05 |
| 69 | M | dibromochloromethane | 0.766 | 0.788 | -2.9 | 69 | 0.00 | 11.33 |
| 70 | M | 1,2-dibromoethane | 0.707 | 0.680 | 3.8 | 67 | 0.00 | 11.58 |
| 71 | M | 2-hexanone | 0.480 | 0.567 | -18.1 | 69 | 0.00 | 11.18 |
| 72 | P | chlorobenzene | 1.938 | 1.744 | 10.0 | 65 | 0.00 | 12.41 |
| 73 | M | 1,1,1,2-tetrachloroethane | 0.647 | 0.629 | 2.8 | 67 | 0.00 | 12.33 |
| 74 | c | ethylbenzene | 2.937 | 2.899 | 1.3 | 66 | 0.00 | 12.60 |
| 75 | M | m,p-xylene | 1.190 | 1.152 | 3.2 | 64 | 0.00 | 12.79 |
| 76 | M | o-xylene | 1.192 | 1.183 | 0.8 | 66 | 0.00 | 13.19 |
| 77 | M | styrene | 1.886 | 1.938 | -2.8 | 65 | 0.00 | 13.12 |
| | | ---------- | True | Calc. | % Drift | ---------- | | |
| 78 | P | bromoform | 100.000 | 93.326 | 6.7 | 70 | 0.00 | 12.93 |
| | | ---------- | AvgRF | CCRF | % Dev | ---------- | | |
| 79 | M | trans-1,4-dichloro-2-bute | 0.248 | 0.316 | -27.4 | 76 | 0.00 | 13.35 |
| 80 | I | 1,4-dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 72 | 0.00 | 14.94 |
| 81 | M | isopropylbenzene | 2.011 | 1.971 | 2.0 | 68 | 0.00 | 13.56 |
| 82 | S | bromofluorobenzene (s) | 0.791 | 0.755 | 4.6 | 71 | 0.00 | 13.61 |
| 83 | M | bromobenzene | 0.825 | 0.699 | 15.3 | 67 | 0.00 | 13.83 |
| 84 | P | 1,1,2,2-tetrachloroethane | 0.734 | 0.712 | 3.0 | 69 | 0.00 | 13.19 |
| 85 | M | 1,2,3-trichloropropane | 0.838 | 0.857 | -2.3 | 71 | 0.00 | 13.34 |
| 86 | M | n-propylbenzene | 2.897 | 2.832 | 2.2 | 68 | 0.00 | 14.00 |
| 87 | M | 2-chlorotoluene | 1.791 | 1.686 | 5.9 | 69 | 0.00 | 14.11 |
| 88 | M | 4-chlorotoluene | 1.893 | 1.792 | 5.3 | 70 | 0.00 | 14.19 |
| 89 | M | 1,3,5-trimethylbenzene | 2.032 | 2.015 | 0.8 | 69 | 0.00 | 14.29 |
| 90 | M | tert-butylbenzene | 1.116 | 1.163 | -4.2 | 70 | 0.00 | 14.59 |
| 91 | M | 1,2,4-trimethylbenzene | 2.170 | 2.155 | 0.7 | 69 | 0.00 | 14.69 |
| 92 | M | sec-butylbenzene | 2.808 | 2.783 | 0.9 | 67 | 0.00 | 14.81 |
| | | ---------- | True | Calc. | % Drift | ---------- | | |
| 93 | M | 1,3-dichlorobenzene | 100.000 | 95.840 | 4.2 | 67 | 0.00 | 14.90 |
| | | ---------- | AvgRF | CCRF | % Dev | ---------- | | |
| 94 | M | p-isopropyltoluene | 2.502 | 2.411 | 3.6 | 68 | 0.00 | 14.99 |
| 95 | | o-isopropyltoluene | | ----------NA---------- | | | | |
| | | ---------- | True | Calc. | % Drift | ---------- | | |
| 96 | M | 1,4-dichlorobenzene | 100.000 | 103.754 | -3.8 | 68 | 0.00 | 14.97 |
| | | ---------- | AvgRF | CCRF | % Dev | ---------- | | |
| 97 | M | 1,2-dichlorobenzene | 1.583 | 1.436 | 9.3 | 68 | 0.00 | 15.34 |
| 98 | M | n-butylbenzene | 2.495 | 2.488 | 0.3 | 70 | 0.00 | 15.40 |
| 99 | M | 1,2-dibromo-3-chloropropa | 0.153 | 0.174 | -13.7 | 78 | 0.00 | 15.81 |
| 100 | M | 1,2,4-trichlorobenzene | 1.309 | 1.269 | 3.1 | 71 | 0.00 | 17.17 |
| 101 | M | hexachlorobutadiene | 0.654 | 0.645 | 1.4 | 71 | 0.00 | 17.45 |
| 102 | M | naphthalene | 3.048 | 3.192 | -4.7 | 73 | 0.00 | 17.42 |
| | | ---------- | True | Calc. | % Drift | ---------- | | |
| 103 | M | 1,2,3-trichlorobenzene | 100.000 | 107.130 | -7.1 | 73 | 0.00 | 17.62 |
| | | ---------- | AvgRF | CCRF | % Dev | ---------- | | |
| 104 | M | 2-Methylnaphthalene | | ----------NA---------- | | | | |

# Continuing Calibration Summary

**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

**Sample:** MSN683-CC678
**Lab FileID:** N18881.D

```
  (  2.0 %)  2 of  98 compounds'%D > 30
-----------------------------------------------------------------------------

   (#) = Out of Range                SPCC's out = 0  CCC's out = 0
    N18732.D   N042007W.M       Tue May 01 15:24:44 2007   RP1
```

# Continuing Calibration Summary



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

**Sample:** MSN684-CC678
**Lab FileID:** N18908.D

Evaluate Continuing Calibration Report

```
Data File : C:\MSDCHEM\1\DATA\N18908.D                    Vial: 17
Acq On    : 27 Apr 2007  10:08 am                    Operator: alit
Sample    : CC678-100                                Inst    : MAMSN
Misc      : ms13429,msn684,,,,5,1                    Multiplr: 1.00
MS Integration Params: rteint.p

Method       : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title        : SW-846 Method 8260
Last Update  : Wed Apr 25 10:27:30 2007
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  30%     Max. Rel. Area : 200%
```

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) | R.T. |
|---|---|---|---|---|---|---|---|---|
| 1 | | tert butyl alcohol-d9 | 1.000 | 1.000 | 0.0 | 41# | 0.00 | 5.85 |
| 2 | | tertiary butyl alcohol | 1.282 | 1.251 | 2.4 | 45# | 0.00 | 5.94 |
| 3 | I | pentafluorobenzene | 1.000 | 1.000 | 0.0 | 55 | 0.00 | 8.28 |
| | | | True | Calc. | % Drift | | | |
| 4 | T | Ethanol | 10000.000 | 11134.516 | -11.3 | 54 | 0.00 | 4.78 |
| 5 | M | dichlorodifluoromethane | 100.000 | 101.819 | -1.8 | 49 | 0.00 | 3.71 |
| | | | AvgRF | CCRF | % Dev | | | |
| 6 | P | chloromethane | 0.379 | 0.408 | -7.7 | 57 | 0.00 | 3.94 |
| 7 | c | vinyl chloride | 0.311 | 0.368 | -18.3 | 60 | 0.00 | 4.16 |
| 8 | M | bromomethane | 0.211 | 0.257 | -21.8 | 65 | 0.00 | 4.62 |
| 9 | M | chloroethane | 0.148 | 0.187 | -26.4 | 64 | 0.00 | 4.77 |
| 10 | M | ethyl ether | 0.320 | 0.356 | -11.2 | 57 | 0.00 | 5.61 |
| 11 | M | acetonitrile | 0.108 | 0.115 | -6.5 | 54 | 0.00 | 5.38 |
| | | | True | Calc. | % Drift | | | |
| 12 | M | trichlorofluoromethane | 100.000 | 111.105 | -11.1 | 60 | 0.00 | 5.38 |
| 13 | M | freon-113 | 100.000 | 110.803 | -10.8 | 58 | 0.00 | 6.13 |
| | | | AvgRF | CCRF | % Dev | | | |
| 14 | M | acrolein | 0.086 | 0.091 | -5.8 | 49# | 0.00 | 5.37 |
| | | | True | Calc. | % Drift | | | |
| 15 | c | 1,1-dichloroethene | 100.000 | 100.196 | -0.2 | 53 | 0.00 | 5.94 |
| | | | AvgRF | CCRF | % Dev | | | |
| 16 | M | acetone | 0.172 | 0.179 | -4.1 | 51 | 0.00 | 5.49 |
| 17 | M | Methyl Acetate | 0.640 | 0.707 | -10.5 | 53 | 0.00 | 6.12 |
| 18 | M | methylene chloride | 0.466 | 0.488 | -4.7 | 56 | 0.00 | 6.09 |
| 19 | M | methyl tert butyl ether | 1.055 | 1.189 | -12.7 | 57 | 0.00 | 6.86 |
| 20 | M | acrylonitrile | 0.183 | 0.196 | -7.1 | 50 | 0.00 | 5.99 |
| 21 | M | allyl chloride | 0.431 | 0.501 | -16.2 | 59 | 0.00 | 6.18 |
| 22 | M | trans-1,2-dichloroethene | 0.408 | 0.399 | 2.2 | 52 | 0.00 | 6.77 |
| | | | True | Calc. | % Drift | | | |
| 23 | M | iodomethane | 100.000 | 98.345 | 1.7 | 57 | 0.00 | 5.99 |
| | | | AvgRF | CCRF | % Dev | | | |
| 24 | M | carbon disulfide | 1.159 | 1.222 | -5.4 | 54 | 0.00 | 6.35 |
| 25 | M | propionitrile | 0.075 | 0.073 | 2.7 | 48# | 0.00 | 7.01 |

# Continuing Calibration Summary

**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

**Sample:** MSN684-CC678
**Lab FileID:** N18908.D

| | | | True | Calc. | % Drift | | | |
|---|---|---|---|---|---|---|---|---|
| 26 | M | vinyl acetate | 100.000 | 109.936 | -9.9 | 55 | 0.00 | 7.12 |
| 27 | M | chloroprene | 100.000 | 120.594 | -20.6 | 61 | 0.00 | 7.38 |

| | | | AvgRF | CCRF | % Dev | | | |
|---|---|---|---|---|---|---|---|---|
| 28 | M | di-isopropyl ether | 1.326 | 1.657 | -25.0 | 61 | 0.00 | 7.43 |
| 29 | M | methacrylonitrile | 0.291 | 0.344 | -18.2 | 56 | 0.00 | 7.53 |
| 30 | M | 2-butanone | 0.056 | 0.058 | -3.6 | 49# | 0.00 | 7.42 |
| 31 | M | Hexane | 0.445 | 0.620 | -39.3# | 64 | 0.00 | 7.41 |
| 32 | P | 1,1-dichloroethane | 0.676 | 0.764 | -13.0 | 58 | 0.00 | 7.01 |
| 33 | M | tert-butyl ethyl ether | 1.175 | 1.461 | -24.3 | 59 | 0.00 | 7.82 |
| 34 | M | isobutyl alcohol | 0.206 | 0.255 | -23.8 | 60 | 0.00 | 7.42 |
| 35 | M | 2,2-dichloropropane | 0.472 | 0.650 | -37.7# | 63 | 0.00 | 7.86 |
| 36 | M | cis-1,2-dichloroethene | 0.491 | 0.507 | -3.3 | 56 | 0.00 | 7.58 |
| 37 | M | ethyl acetate | 0.259 | 0.281 | -8.5 | 1477# | 0.08 | 7.82 |
| 38 | M | bromochloromethane | 0.230 | 0.248 | -7.8 | 57 | 0.00 | 7.74 |
| 39 | c | chloroform | 0.724 | 0.868 | -19.9 | 62 | 0.00 | 7.78 |
| 40 | S | dibromofluoromethane (s) | 0.475 | 0.559 | -17.7 | 62 | 0.00 | 7.91 |

| | | | True | Calc. | % Drift | | | |
|---|---|---|---|---|---|---|---|---|
| 41 | M | Tetrahydrofuran | 100.000 | 100.966 | -1.0 | 45 | 0.00 | 8.10 |

| | | | AvgRF | CCRF | % Dev | | | |
|---|---|---|---|---|---|---|---|---|
| 42 | M | 1,1,1-trichloroethane | 0.553 | 0.730 | -32.0# | 65 | 0.00 | 8.53 |
| 43 | I | 1,4-difluorobenzene | 1.000 | 1.000 | 0.0 | 58 | 0.00 | 9.14 |

| | | | True | Calc. | % Drift | | | |
|---|---|---|---|---|---|---|---|---|
| 44 | M | Cyclohexane | 100.000 | 108.055 | -8.1 | 57 | 0.00 | 8.81 |
| 45 | M | carbon tetrachloride | 100.000 | 117.556 | -17.6 | 64 | 0.00 | 8.89 |
| 46 | M | 1,1-dichloropropene | 100.000 | 106.771 | -6.8 | 59 | 0.00 | 8.71 |

| | | | AvgRF | CCRF | % Dev | | | |
|---|---|---|---|---|---|---|---|---|
| 47 | M | benzene | 1.181 | 1.203 | -1.9 | 57 | 0.00 | 8.93 |
| 48 | M | 1,2-dichloroethane | 0.387 | 0.461 | -19.1 | 67 | 0.00 | 8.43 |
| 49 | M | tert-amyl methyl ether | 0.841 | 0.920 | -9.4 | 57 | 0.00 | 9.06 |

| | | | True | Calc. | % Drift | | | |
|---|---|---|---|---|---|---|---|---|
| 50 | M | heptane | 100.000 | 106.906 | -6.9 | 57 | 0.00 | 9.42 |

| | | | AvgRF | CCRF | % Dev | | | |
|---|---|---|---|---|---|---|---|---|
| 51 | M | trichloroethene | 0.325 | 0.335 | -3.1 | 59 | 0.00 | 9.55 |
| 52 | c | 1,2-dichloropropane | 0.301 | 0.326 | -8.3 | 60 | 0.00 | 9.51 |
| 53 | M | dibromomethane | 0.214 | 0.226 | -5.6 | 59 | 0.00 | 9.48 |
| 54 | M | bromodichloromethane | 0.425 | 0.509 | -19.8 | 64 | 0.00 | 9.60 |

| | | | True | Calc. | % Drift | | | |
|---|---|---|---|---|---|---|---|---|
| 55 | M | Methylcyclohexane | 100.000 | 106.470 | -6.5 | 58 | 0.00 | 10.07 |

| | | | AvgRF | CCRF | % Dev | | | |
|---|---|---|---|---|---|---|---|---|
| 56 | M | 2-chloroethyl vinyl ether | 0.301 | 0.326 | -8.3 | 60 | 0.00 | 9.51 |
| 57 | M | methyl methacrylate | 0.227 | 0.220 | 3.1 | 49# | 0.00 | 9.71 |
| 58 | M | 1,4-dioxane | 0.006 | 0.004 | 33.3# | 43# | 0.00 | 9.70 |
| 59 | M | cis-1,3-dichloropropene | 0.459 | 0.532 | -15.9 | 60 | 0.00 | 10.22 |
| 60 | S | toluene-d8 (s) | 1.256 | 1.319 | -5.0 | 59 | 0.00 | 10.93 |
| 61 | M | 4-methyl-2-pentanone | 0.332 | 0.354 | -6.6 | 52 | 0.00 | 10.32 |
| 62 | c | toluene | 0.785 | 0.805 | -2.5 | 57 | 0.00 | 11.00 |
| 63 | M | trans-1,3-dichloropropene | 0.408 | 0.490 | -20.1 | 61 | 0.00 | 10.65 |
| 64 | M | 1,1,2-trichloroethane | 0.272 | 0.283 | -4.0 | 58 | 0.00 | 10.81 |

# Continuing Calibration Summary

**Job Number:** M64162 **Sample:** MSN684-CC678
**Account:** GEI GEI Consultants, Inc. **Lab FileID:** N18908.D
**Project:** Tufts Street Somerville MA

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 65 | M | ethyl methacrylate | 0.422 | 0.454 | -7.6 | 54 | 0.00 | 11.04 |
| 66 | I | chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 59 | 0.00 | 12.38 |
| 67 | M | tetrachloroethene | 0.827 | 0.727 | 12.1 | 57 | 0.00 | 11.74 |
| 68 | M | 1,3-dichloropropane | 0.976 | 0.952 | 2.5 | 60 | 0.00 | 11.05 |
| 69 | M | dibromochloromethane | 0.766 | 0.794 | -3.7 | 61 | 0.00 | 11.33 |
| 70 | M | 1,2-dibromoethane | 0.707 | 0.663 | 6.2 | 58 | 0.00 | 11.58 |
| 71 | M | 2-hexanone | 0.480 | 0.463 | 3.5 | 50# | 0.00 | 11.18 |
| 72 | P | chlorobenzene | 1.938 | 1.752 | 9.6 | 58 | 0.00 | 12.42 |
| 73 | M | 1,1,1,2-tetrachloroethane | 0.647 | 0.656 | -1.4 | 62 | 0.00 | 12.33 |
| 74 | c | ethylbenzene | 2.937 | 2.942 | -0.2 | 59 | 0.00 | 12.60 |
| 75 | M | m,p-xylene | 1.190 | 1.173 | 1.4 | 58 | 0.00 | 12.78 |
| 76 | M | o-xylene | 1.192 | 1.222 | -2.5 | 60 | 0.00 | 13.19 |
| 77 | M | styrene | 1.886 | 1.971 | -4.5 | 58 | 0.00 | 13.12 |
| | | ---------- | True | Calc. | % Drift | ---------- | | |
| 78 | P | bromoform | 100.000 | 89.372 | 10.6 | 59 | 0.00 | 12.93 |
| | | ---------- | AvgRF | CCRF | % Dev | ---------- | | |
| 79 | M | trans-1,4-dichloro-2-bute | 0.248 | 0.288 | -16.1 | 61 | 0.00 | 13.35 |
| 80 | I | 1,4-dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 64 | 0.00 | 14.94 |
| 81 | M | isopropylbenzene | 2.011 | 1.989 | 1.1 | 61 | 0.00 | 13.56 |
| 82 | S | bromofluorobenzene (s) | 0.791 | 0.768 | 2.9 | 65 | 0.00 | 13.61 |
| 83 | M | bromobenzene | 0.825 | 0.718 | 13.0 | 61 | 0.00 | 13.83 |
| 84 | P | 1,1,2,2-tetrachloroethane | 0.734 | 0.652 | 11.2 | 57 | 0.00 | 13.19 |
| 85 | M | 1,2,3-trichloropropane | 0.838 | 0.779 | 7.0 | 58 | 0.00 | 13.35 |
| 86 | M | n-propylbenzene | 2.897 | 2.907 | -0.3 | 62 | 0.00 | 14.00 |
| 87 | M | 2-chlorotoluene | 1.791 | 1.739 | 2.9 | 63 | 0.00 | 14.11 |
| 88 | M | 4-chlorotoluene | 1.893 | 1.824 | 3.6 | 64 | 0.00 | 14.19 |
| 89 | M | 1,3,5-trimethylbenzene | 2.032 | 2.074 | -2.1 | 63 | 0.00 | 14.29 |
| 90 | M | tert-butylbenzene | 1.116 | 1.236 | -10.8 | 67 | 0.00 | 14.59 |
| 91 | M | 1,2,4-trimethylbenzene | 2.170 | 2.249 | -3.6 | 64 | 0.00 | 14.69 |
| 92 | M | sec-butylbenzene | 2.808 | 2.911 | -3.7 | 63 | 0.00 | 14.81 |
| | | ---------- | True | Calc. | % Drift | ---------- | | |
| 93 | M | 1,3-dichlorobenzene | 100.000 | 101.127 | -1.1 | 63 | 0.00 | 14.90 |
| | | ---------- | AvgRF | CCRF | % Dev | ---------- | | |
| 94 | M | p-isopropyltoluene | 2.502 | 2.545 | -1.7 | 64 | 0.00 | 14.99 |
| 95 | | o-isopropyltoluene | | ----------NA---------- | | | | |
| | | ---------- | True | Calc. | % Drift | ---------- | | |
| 96 | M | 1,4-dichlorobenzene | 100.000 | 107.431 | -7.4 | 63 | 0.00 | 14.97 |
| | | ---------- | AvgRF | CCRF | % Dev | ---------- | | |
| 97 | M | 1,2-dichlorobenzene | 1.583 | 1.512 | 4.5 | 64 | 0.00 | 15.34 |
| 98 | M | n-butylbenzene | 2.495 | 2.629 | -5.4 | 66 | 0.00 | 15.40 |
| 99 | M | 1,2-dibromo-3-chloropropa | 0.153 | 0.149 | 2.6 | 59 | 0.00 | 15.81 |
| 100 | M | 1,2,4-trichlorobenzene | 1.309 | 1.288 | 1.6 | 64 | 0.00 | 17.17 |
| 101 | M | hexachlorobutadiene | 0.654 | 0.667 | -2.0 | 65 | 0.00 | 17.46 |
| 102 | M | naphthalene | 3.048 | 2.965 | 2.7 | 61 | 0.00 | 17.42 |
| | | ---------- | True | Calc. | % Drift | ---------- | | |
| 103 | M | 1,2,3-trichlorobenzene | 100.000 | 105.786 | -5.8 | 65 | 0.00 | 17.62 |
| | | ---------- | AvgRF | CCRF | % Dev | ---------- | | |
| 104 | M | 2-Methylnaphthalene | | ----------NA---------- | | | | |

# Continuing Calibration Summary

**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

**Sample:** MSN684-CC678
**Lab FileID:** N18908.D

```
  (  4.1 %)  4 of  98 compounds'%D > 30
-----------------------------------------------------------------------------

   (#) = Out of Range              SPCC's out = 0  CCC's out = 0
    N18732.D   N042007W.M       Fri Apr 27 11:39:56 2007   RP1
```

# Initial Calibration Summary



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

**Sample:** MSP577-ICC577
**Lab FileID:** P16887.D



```
                         Response Factor Report  Instrument #1

Method       : C:\msdchem\1\METHODS\P041707w.M (RTE Integrator)
Title        : SW-846 Method 8260
Last Update  : Fri Apr 27 11:51:32 2007
Response via : Initial Calibration

Calibration Files
1ppb=p16881.D    2   =p16882.D    5   =p16883.D    50  =p16888.D
100 =p16887.D    200 =p16886.D    400 =p16885.D    0.5 =p16880.D
25  =p16884.D        =

 Compound
           1ppb  2     5     50    100   200   400   0.5   25      Avg    %RSD
-------------------------------------------------------------------------------

1)     tert butyl alcohol-d9 ----------------ISTD---------------------
2)  tertiary butyl alcohol
          1.434 2.074 1.655 1.646 1.483 1.636 1.865       1.426   1.652   13.55

3) I   pentafluorobenzene    ----------------ISTD---------------------
4)  Ethanol
                      0.010 0.014 0.014 0.015 0.016       0.010   0.013   19.44
           ---- Linear regression ----  Coefficient =  0.9971
             Response Ratio = -0.33717 + 0.01660 *A

5)  dichlorodifluoromethane
          0.612 1.031 0.676 0.829 0.850 0.768 0.806       0.728   0.788   16.07
           ---- Linear regression ----  Coefficient =  0.9991
             Response Ratio = -0.00158 + 0.80092 *A

6)  chloromethane
          1.686 1.321 1.152 0.926 0.961 1.007 0.960       0.950   1.121   23.67
           ---- Linear regression ----  Coefficient =  0.9994
             Response Ratio = 0.01327 + 0.96595 *A

7)  vinyl chloride
          0.914 1.023 0.775 0.724 0.717 0.700 0.678       0.681   0.777   16.18
8)  bromomethane
          0.843 0.807 0.583 0.486 0.483 0.449 0.438       0.444   0.567   29.34
           ---- Linear regression ----  Coefficient =  0.9994
             Response Ratio = 0.02866 + 0.43749 *A

9)  chloroethane
          0.558 0.547 0.488 0.426 0.425 0.403 0.405       0.439   0.461   13.47
10)  ethyl ether
          0.623 0.682 0.632 0.645 0.650 0.625 0.628       0.627   0.639    3.13
11)  acetonitrile
                      0.893 0.458 0.311 0.286 0.376       0.745   0.512   48.85
           ---- Quadratic regression ----  Coefficient =  0.9939
             Response Ratio = 0.20544 + 0.15104 *A + 0.02467 *A^2

12)  trichlorofluoromethane
          0.923 1.209 0.818 0.925 0.951 0.902 0.895       0.846   0.934   12.78
13)  freon-113
                      0.402 0.487 0.503 0.474 0.463       0.430   0.460    8.18
14)  acrolein
          0.172 0.235 0.183 0.224 0.224 0.226 0.219       0.187   0.209   11.54
15)  1,1-dichloroethene
          0.856 0.891 0.717 0.524 0.504 0.489 0.502       0.568   0.631   26.37
```

# Initial Calibration Summary

**Job Number:** M64162 **Sample:** MSP577-ICC577
**Account:** GEI GEI Consultants, Inc. **Lab FileID:** P16887.D
**Project:** Tufts Street Somerville MA

```
          ---- Linear regression ----  Coefficient =  0.9997
            Response Ratio = 0.01570 + 0.49732 *A

16)  acetone
                     0.352 0.320 0.316 0.390 0.478       0.244   0.350   22.60
          ---- Quadratic regression ----  Coefficient =  0.9997
            Response Ratio = -0.01351 + 0.29501 *A + 0.02311 *A^2

17)  Methyl Acetate
                     1.065 1.059 0.993 1.128 1.171       0.943   1.060    7.92
18)  methylene chloride
           1.597 1.255 0.854 0.611 0.607 0.594 0.606       0.603   0.841   45.47
          ---- Linear regression ----  Coefficient =  0.9999
            Response Ratio = 0.01208 + 0.60161 *A

19)  methyl tert butyl ether
           1.435 1.588 1.405 1.666 1.794 1.757 1.407       1.280   1.542   12.13
20)  acrylonitrile
           0.374 0.381 0.364 0.372 0.388 0.393 0.393       0.293   0.370    8.78
21)  allyl chloride
           0.676 0.760 0.734 0.794 0.831 0.885 0.988       0.726   0.799   12.53
22)  trans-1,2-dichloroethene
           0.664 0.652 0.551 0.559 0.546 0.533 0.531       0.499   0.567   10.47
23)  iodomethane
                     0.207 0.198 0.198 0.185 0.246       0.184   0.203   11.29
24)  carbon disulfide
                 2.098 1.584 1.591 1.584 1.513 1.527       1.497   1.628   12.95
25)  propionitrile
                 0.130 0.118 0.146 0.147 0.152 0.158       0.113   0.138   12.72
26)  vinyl acetate
                     0.061 0.262 0.340 0.475 0.502       0.074   0.286   66.61
          ---- Linear regression ----  Coefficient =  0.9954
            Response Ratio = -0.21287 + 0.52448 *A

27)  chloroprene
           0.810 1.031 0.929 1.147 1.208 1.185 1.091       1.001   1.050   12.92
28)  di-isopropyl ether
           2.404 3.058 2.963 2.873 2.892 2.780 2.808       2.907   2.836    6.87
29)  methacrylonitrile
           0.627 0.698 0.519 0.600 0.612 0.641 0.680       0.560   0.617    9.57
30)  2-butanone
                 0.095 0.067 0.085 0.087 0.087 0.082       0.081   0.084   10.11
31)  Hexane
           1.177 1.518 1.059 1.103 1.133 1.077 1.115       1.096   1.160   12.86
32)  1,1-dichloroethane
           1.384 1.514 1.309 1.206 1.201 1.166 1.188       1.181   1.269    9.81
33)  tert-butyl ethyl ether
           1.094 1.202 1.108 1.690 1.981 2.185 2.360       1.026   1.581   34.29
          ---- Linear regression ----  Coefficient =  0.9972
            Response Ratio = -0.39294 + 2.36978 *A

34)  isobutyl alcohol
                     0.097 0.063 0.054 0.058 0.053       0.050   0.062   27.98
          ---- Linear regression ----  Coefficient =  0.9971
            Response Ratio = 0.02857 + 0.05281 *A

35)  2,2-dichloropropane
                     0.011 0.384 0.581 0.567 0.506       0.100   0.358   68.76
          ---- Linear regression ----  Coefficient =  0.9906
            Response Ratio = -0.05479 + 0.52813 *A
```

# Initial Calibration Summary

**Job Number:** M64162 **Sample:** MSP577-ICC577
**Account:** GEI GEI Consultants, Inc. **Lab FileID:** P16887.D
**Project:** Tufts Street Somerville MA

```
36)  cis-1,2-dichloroethene
           0.754 0.811 0.649 0.615 0.612 0.596 0.594       0.578   0.651   13.04
37)  bromochloromethane
           0.283 0.291 0.265 0.255 0.251 0.244 0.240       0.230   0.257    8.17
38)  chloroform
           1.329 1.544 1.389 1.154 1.149 1.120 1.165       1.179   1.254   12.07
39)  dibromofluoromethane (s)
           0.593 0.591 0.598 0.552 0.537 0.558 0.563 0.595 0.566   0.573    3.88
40)  Tetrahydrofuran
                 0.270 0.260 0.287 0.305 0.320 0.340       0.271   0.293   10.07
41)  1,1,1-trichloroethane
           0.480 0.656 0.647 1.052 1.106 0.972 0.880       0.832   0.828   26.41
            ---- Linear regression ----  Coefficient =  0.9942
              Response Ratio = 0.09011 + 0.89341 *A


42) I   1,4-difluorobenzene   ----------------ISTD---------------------
43)  Cyclohexane
                       0.448 0.706 0.720 0.694 0.689       0.574   0.639   16.76
            ---- Linear regression ----  Coefficient =  0.9996
              Response Ratio = -0.00488 + 0.69184 *A

44)  carbon tetrachloride
                 0.372 0.326 0.472 0.508 0.425 0.311       0.404   0.403   18.08
            ---- Quadratic regression ----  Coefficient =  0.9989
              Response Ratio = -0.03065 + 0.55948 *A + -0.03065 *A^2

45)  1,1-dichloropropene
           0.478 0.509 0.420 0.499 0.498 0.489 0.488       0.437   0.477    6.66
46)  benzene
           1.348 1.682 1.447 1.410 1.391 1.348 1.304 1.616 1.337   1.432    9.18
47)  1,2-dichloroethane
           0.931 0.953 0.806 0.757 0.732 0.711 0.736       0.749   0.797   11.76
48)  tert-amyl methyl ether
           0.529 0.560 0.483 0.753 0.838 0.898 0.942       0.507   0.689   27.56
            ---- Linear regression ----  Coefficient =  0.9986
              Response Ratio = -0.11714 + 0.94718 *A

49)  heptane
                 0.545 0.365 0.515 0.543 0.512 0.528       0.408   0.488   14.70
50)  trichloroethene
           0.396 0.473 0.399 0.405 0.413 0.395 0.385       0.376   0.405    7.29
51)  1,2-dichloropropane
           0.396 0.454 0.428 0.428 0.430 0.415 0.397       0.395   0.418    5.02
52)  dibromomethane
           0.279 0.323 0.260 0.243 0.236 0.217 0.208       0.240   0.251   14.59
53)  bromodichloromethane
           0.519 0.613 0.565 0.598 0.599 0.538 0.479       0.551   0.558    8.20
54)  Methylcyclohexane
                       0.296 0.449 0.469 0.447 0.431       0.322   0.402   18.32
            ---- Linear regression ----  Coefficient =  0.9986
              Response Ratio = 0.00600 + 0.43440 *A

55)  2-chloroethyl vinyl ether
                       0.009 0.017 0.023 0.031 0.032       0.016   0.021   41.70
            ---- Linear regression ----  Coefficient =  0.9965
              Response Ratio = -0.01031 + 0.03266 *A

56)  methyl methacrylate
```

```
                    0.162 0.262 0.277 0.285 0.279       0.204   0.245   20.44
         ---- Linear regression ----  Coefficient =  0.9996
           Response Ratio = -0.01725 + 0.28249 *A

57)  1,4-dioxane
                    0.002 0.006 0.006 0.005 0.006       0.003   0.005   34.57
         ---- Linear regression ----  Coefficient =  0.9977
           Response Ratio = -0.00294 + 0.00581 *A

58)  cis-1,3-dichloropropene
          0.124 0.147 0.202 0.489 0.546 0.572 0.535 0.097 0.325   0.337   59.14
         ---- Linear regression ----  Coefficient =  0.9983
           Response Ratio = -0.02307 + 0.54558 *A

59)  toluene-d8 (s)
          1.261 1.268 1.267 1.254 1.254 1.276 1.258 1.266 1.262   1.263    0.56
60)  4-methyl-2-pentanone
                    0.517 0.642 0.679 0.683 0.694       0.570   0.631   11.35
61)  toluene
          0.950 1.080 0.913 0.918 0.903 0.844 0.812       0.858   0.910    9.03
62)  trans-1,3-dichloropropene
          0.047 0.111 0.119 0.404 0.472 0.515 0.550 0.052 0.229   0.278   74.64
         ---- Linear regression ----  Coefficient =  0.9976
           Response Ratio = -0.07767 + 0.55138 *A

63)  1,1,2-trichloroethane
          0.314 0.368 0.308 0.306 0.310 0.295 0.292       0.288   0.310    8.12
64)  ethyl methacrylate
                    0.275 0.455 0.490 0.489 0.473       0.329   0.418   22.17
         ---- Linear regression ----  Coefficient =  0.9991
           Response Ratio = -0.01988 + 0.47989 *A


65) I   chlorobenzene-d5      ----------------ISTD---------------------
66)  tetrachloroethene
          0.514 0.628 0.523 0.519 0.502 0.516 0.490       0.469   0.520    9.09
67)  1,3-dichloropropane
          1.105 1.257 1.061 1.007 0.979 1.018 0.986       0.988   1.050    8.96
68)  dibromochloromethane
          0.474 0.562 0.533 0.606 0.613 0.658 0.656       0.537   0.580   11.12
69)  1,2-dibromoethane
          0.582 0.699 0.547 0.583 0.573 0.608 0.601       0.542   0.592    8.29
70)  2-hexanone
                    0.550 0.764 0.769 0.834 0.844       0.628   0.731   16.09
         ---- Linear regression ----  Coefficient =  0.9997
           Response Ratio = -0.09568 + 0.85470 *A

71)  chlorobenzene
          1.762 1.832 1.559 1.489 1.425 1.460 1.388       1.439   1.544   10.67
72)  1,1,1,2-tetrachloroethane
          0.477 0.491 0.486 0.540 0.535 0.566 0.565       0.499   0.520    6.93
73)  ethylbenzene
          2.240 2.630 2.393 2.850 2.787 2.892 2.792       2.552   2.642    8.83
74)  m,p-xylene
          0.805 0.868 0.879 0.983 0.926 0.946 0.879       0.907   0.899    6.02
75)  o-xylene
          0.674 0.885 0.848 0.958 0.915 0.941 0.878       0.911   0.876   10.15
76)  styrene
                    1.024 1.567 1.572 1.656 1.594       1.316   1.455   16.59
         ---- Linear regression ----  Coefficient =  0.9994
```

# Initial Calibration Summary

**Job Number:** M64162 **Sample:** MSP577-ICC577
**Account:** GEI GEI Consultants, Inc. **Lab FileID:** P16887.D
**Project:** Tufts Street Somerville MA

```
                Response Ratio = -0.05269 + 1.61305 *A

 77)  bromoform
            0.262 0.361 0.319 0.410 0.429 0.470 0.475       0.345   0.384   19.54
             ---- Linear regression ----  Coefficient =  0.9993
                Response Ratio = -0.03902 + 0.47774 *A

 78)  trans-1,4-dichloro-2-butene
                        0.069 0.085 0.109 0.151 0.177       0.033   0.104   51.22
             ---- Linear regression ----  Coefficient =  0.9913
                Response Ratio = -0.08489 + 0.18317 *A


 79) I   1,4-dichlorobenzene-d ----------------ISTD---------------------
 80)  isopropylbenzene
                  2.137 2.127 2.924 2.932 2.823 2.795       2.389   2.590   13.97
 81)  bromofluorobenzene (s)
            1.173 1.204 1.228 1.214 1.217 1.231 1.237 1.202 1.240   1.216    1.74
 82)  bromobenzene
            0.951 0.916 0.761 0.836 0.827 0.797 0.777       0.716   0.823    9.56
 83)  1,1,2,2-tetrachloroethane
            1.182 1.413 1.128 1.118 1.081 1.036 1.003       1.046   1.126   11.51
 84)  1,2,3-trichloropropane
            1.145 1.171 0.988 1.100 1.133 1.118 1.140       0.962   1.095    7.02
 85)  n-propylbenzene
            2.846 3.291 3.123 4.153 4.180 4.001 3.972       3.417   3.623   14.24
 86)  2-chlorotoluene
            2.477 2.402 2.379 2.748 2.735 2.632 2.660       2.386   2.552    6.20
 87)  4-chlorotoluene
            1.984 2.467 2.399 2.859 2.836 2.756 2.760       2.467   2.566   11.58
 88)  1,3,5-trimethylbenzene
            1.891 2.258 2.146 2.848 2.863 2.752 2.737       2.374   2.483   14.76
 89)  tert-butylbenzene
                  1.322 1.392 1.772 1.800 1.757 1.791       1.380   1.602   13.96
 90)  1,2,4-trimethylbenzene
                  2.294 2.191 2.978 2.968 2.874 2.860       2.517   2.669   12.39
 91)  sec-butylbenzene
            2.125 2.574 2.686 3.228 3.269 3.135 3.110       2.684   2.851   14.05
 92)  1,3-dichlorobenzene
            1.566 1.658 1.465 1.565 1.551 1.484 1.439       1.360   1.511    6.13
 93)  p-isopropyltoluene
            2.242 2.723 2.388 2.663 2.669 2.494 2.437       2.237   2.482    7.68
 94)  1,4-dichlorobenzene
            1.932 1.971 1.625 1.595 1.553 1.440 1.379       1.473   1.621   13.56
 95)  1,2-dichlorobenzene
            1.387 1.532 1.380 1.546 1.552 1.490 1.439       1.375   1.463    5.26
 96)  n-butylbenzene
                  2.146 2.080 2.789 2.873 2.781 2.774       2.249   2.527   13.86
 97)  1,2-dibromo-3-chloropropane
            0.375 0.275 0.239 0.287 0.294 0.297 0.305       0.244   0.289   14.52
 98)  1,2,4-trichlorobenzene
            0.882 0.927 0.850 1.021 1.057 0.999 0.971       0.803   0.939    9.47
 99)  hexachlorobutadiene
            0.398 0.442 0.373 0.376 0.396 0.367 0.357       0.292   0.375   11.42
100)  naphthalene
            2.252 2.642 2.403 3.281 3.337 3.161 2.994       2.612   2.835   14.58
101)  1,2,3-trichlorobenzene
            1.095 0.992 0.903 0.987 0.992 0.942 0.918       0.787   0.952    9.38
102)  2-Methylnaphthalene
                                                                    0.000   -1.00
```

# Initial Calibration Summary

**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

**Sample:** MSP577-ICC577
**Lab FileID:** P16887.D

```
-------------------------------------------------------------------------------
(#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          P041707w.M        Fri Apr 27 11:52:44 2007   RP
```

# Initial Calibration Verification



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

**Sample:** MSP577-ICV577
**Lab FileID:** P16889.D

Evaluate Continuing Calibration Report

```
Data File : C:\msdchem\1\DATA\p16889.D                    Vial: 15
Acq On    : 17 Apr 2007   9:23 pm                    Operator: amym
Sample    : icv577-50                                Inst    : Instrument #1
Misc      : ms13376,msp577,,,,5,1                    Multiplr: 1.00
MS Integration Params: RTEINT.P

Method       : C:\msdchem\1\METHODS\P041707w.M (RTE Integrator)
Title        : SW-846 Method 8260
Last Update  : Fri Apr 27 11:51:32 2007
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  20%     Max. Rel. Area : 200%
```

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) | R.T. |
|---|---|---|---|---|---|---|---|---|
| 1 | | tert butyl alcohol-d9 | 1.000 | 1.000 | 0.0 | 89 | 0.02 | 6.61 |
| 2 | | tertiary butyl alcohol | 1.652 | 1.495 | 9.5 | 81 | 0.01 | 6.68 |
| 3 | I | pentafluorobenzene | 1.000 | 1.000 | 0.0 | 101 | 0.00 | 9.00 |
| | | | Amount | Calc. | %Drift | | | |
| 4 | T | Ethanol | 5000.000 | 3698.045 | 26.0# | 66 | -0.03 | 5.46 |
| 5 | M | dichlorodifluoromethane | 50.000 | 43.173 | 13.7 | 84 | 0.00 | 4.24 |
| 6 | P | chloromethane | 50.000 | 48.656 | 2.7 | 104 | 0.00 | 4.50 |
| | | | AvgRF | CCRF | %Dev | | | |
| 7 | c | vinyl chloride | 0.777 | 0.723 | 6.9 | 101 | 0.00 | 4.74 |
| | | | Amount | Calc. | %Drift | | | |
| 8 | M | bromomethane | 50.000 | 52.483 | -5.0 | 102 | 0.00 | 5.25 |
| | | | AvgRF | CCRF | %Dev | | | |
| 9 | M | chloroethane | 0.461 | 0.431 | 6.5 | 103 | 0.00 | 5.41 |
| 10 | M | ethyl ether | 0.639 | 0.676 | -5.8 | 106 | 0.00 | 6.31 |
| | | | Amount | Calc. | %Drift | | | |
| 11 | M | acetonitrile | 50.000 | 66.554 | -33.1# | 100 | 0.00 | 5.96 |
| | | | AvgRF | CCRF | %Dev | | | |
| 12 | M | trichlorofluoromethane | 0.934 | 0.952 | -1.9 | 104 | 0.00 | 6.07 |
| 13 | M | freon-113 | 0.460 | 0.408 | 11.3 | 85 | 0.00 | 6.84 |
| 14 | M | acrolein | 0.209 | 0.185 | 11.5 | 84 | 0.02 | 6.08 |
| | | | Amount | Calc. | %Drift | | | |
| 15 | c | 1,1-dichloroethene | 50.000 | 48.394 | 3.2 | 96 | 0.00 | 6.65 |
| 16 | M | acetone | 50.000 | 39.209 | 21.6# | 74 | 0.00 | 6.20 |
| | | | AvgRF | CCRF | %Dev | | | |
| 17 | M | Methyl Acetate | 1.060 | 1.134 | -7.0 | 109 | 0.01 | 6.84 |
| | | | Amount | Calc. | %Drift | | | |
| 18 | M | methylene chloride | 50.000 | 56.172 | -12.3 | 114 | 0.00 | 6.80 |
| | | | AvgRF | CCRF | %Dev | | | |
| 19 | M | methyl tert butyl ether | 1.542 | 1.532 | 0.6 | 93 | 0.00 | 7.59 |
| 20 | M | acrylonitrile | 0.370 | 0.311 | 15.9 | 85 | 0.01 | 6.72 |
| 21 | M | allyl chloride | 0.799 | 0.735 | 8.0 | 94 | 0.00 | 6.90 |

# Initial Calibration Verification

**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

**Sample:** MSP577-ICV577
**Lab FileID:** P16889.D

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 22 | M | trans-1,2-dichloroethene | 0.567 | 0.521 | 8.1 | 94 | 0.00 | 7.50 |
| 23 | M | iodomethane | 0.203 | 0.200 | 1.5 | 102 | 0.00 | 6.73 |
| 24 | M | carbon disulfide | 1.628 | 1.429 | 12.2 | 91 | 0.00 | 7.08 |
| 25 | M | propionitrile | 0.138 | 0.122 | 11.6 | 85 | 0.02 | 7.78 |
| | | ---------- | Amount | Calc. | %Drift | ---------- | | |
| 26 | M | vinyl acetate | 50.000 | 51.678 | -3.4 | 127 | 0.01 | 7.86 |
| | | ---------- | AvgRF | CCRF | %Dev | ---------- | | |
| 27 | M | chloroprene | 1.050 | 1.072 | -2.1 | 95 | 0.00 | 8.12 |
| 28 | M | di-isopropyl ether | 2.836 | 3.000 | -5.8 | 106 | 0.00 | 8.15 |
| 29 | M | methacrylonitrile | 0.617 | 0.562 | 8.9 | 95 | 0.00 | 8.28 |
| 30 | M | 2-butanone | 0.084 | 0.076 | 9.5 | 91 | 0.00 | 8.17 |
| 31 | M | Hexane | 1.160 | 1.052 | 9.3 | 97 | 0.00 | 8.14 |
| 32 | P | 1,1-dichloroethane | 1.269 | 1.127 | 11.2 | 95 | 0.00 | 7.75 |
| | | ---------- | Amount | Calc. | %Drift | ---------- | | |
| 33 | M | tert-butyl ethyl ether | 50.000 | 44.246 | 11.5 | 102 | 0.00 | 8.55 |
| 34 | M | isobutyl alcohol | 250.000 | 142.025 | 43.2# | 58 | 0.00 | 8.55 |
| 35 | M | 2,2-dichloropropane | 50.000 | 38.390 | 23.2# | 93 | 0.00 | 8.61 |
| | | ---------- | AvgRF | CCRF | %Dev | ---------- | | |
| 36 | M | cis-1,2-dichloroethene | 0.651 | 0.608 | 6.6 | 100 | 0.00 | 8.32 |
| 37 | M | bromochloromethane | 0.257 | 0.237 | 7.8 | 94 | 0.00 | 8.49 |
| 38 | c | chloroform | 1.254 | 1.104 | 12.0 | 97 | 0.00 | 8.53 |
| 39 | S | dibromofluoromethane (s) | 0.573 | 0.534 | 6.8 | 98 | 0.00 | 8.65 |
| 40 | M | Tetrahydrofuran | 0.293 | 0.239 | 18.4 | 84 | 0.01 | 8.87 |
| | | ---------- | Amount | Calc. | %Drift | ---------- | | |
| 41 | M | 1,1,1-trichloroethane | 50.000 | 50.226 | -0.5 | 95 | 0.00 | 9.28 |
| | | ---------- | AvgRF | CCRF | %Dev | ---------- | | |
| 42 | I | 1,4-difluorobenzene | 1.000 | 1.000 | 0.0 | 100 | 0.00 | 9.87 |
| | | ---------- | Amount | Calc. | %Drift | ---------- | | |
| 43 | M | Cyclohexane | 50.000 | 47.540 | 4.9 | 93 | 0.00 | 9.56 |
| 44 | M | carbon tetrachloride | 50.000 | 45.014 | 10.0 | 95 | 0.00 | 9.64 |
| | | ---------- | AvgRF | CCRF | %Dev | ---------- | | |
| 45 | M | 1,1-dichloropropene | 0.477 | 0.459 | 3.8 | 93 | 0.00 | 9.45 |
| 46 | M | benzene | 1.432 | 1.350 | 5.7 | 96 | 0.00 | 9.68 |
| 47 | M | 1,2-dichloroethane | 0.797 | 0.695 | 12.8 | 92 | 0.00 | 9.18 |
| | | ---------- | Amount | Calc. | %Drift | ---------- | | |
| 48 | M | tert-amyl methyl ether | 50.000 | 46.636 | 6.7 | 102 | 0.00 | 9.79 |
| | | ---------- | AvgRF | CCRF | %Dev | ---------- | | |
| 49 | M | heptane | 0.488 | 0.447 | 8.4 | 87 | 0.00 | 10.15 |
| 50 | M | trichloroethene | 0.405 | 0.390 | 3.7 | 97 | 0.00 | 10.30 |
| 51 | c | 1,2-dichloropropane | 0.418 | 0.401 | 4.1 | 94 | 0.00 | 10.26 |
| 52 | M | dibromomethane | 0.251 | 0.229 | 8.8 | 95 | 0.00 | 10.24 |
| 53 | M | bromodichloromethane | 0.558 | 0.577 | -3.4 | 97 | 0.00 | 10.35 |
| | | ---------- | Amount | Calc. | %Drift | ---------- | | |
| 54 | M | Methylcyclohexane | 50.000 | 46.569 | 6.9 | 92 | 0.00 | 10.81 |
| 55 | M | 2-chloroethyl vinyl ether | | ----------NA---------- | | | | |
| 56 | M | methyl methacrylate | 50.000 | 44.983 | 10.0 | 91 | 0.00 | 10.44 |
| 57 | M | 1,4-dioxane | 250.000 | 242.189 | 3.1 | 87 | 0.01 | 10.48 |
| 58 | M | cis-1,3-dichloropropene | 50.000 | 43.867 | 12.3 | 94 | 0.00 | 10.97 |

# Initial Calibration Verification

**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

**Sample:** MSP577-ICV577
**Lab FileID:** P16889.D

| | | | AvgRF | CCRF | %Dev | | | |
|---|---|---|---|---|---|---|---|---|
| 59 | S | toluene-d8 (s) | 1.263 | 1.254 | 0.7 | 100 | 0.00 | 11.67 |
| 60 | M | 4-methyl-2-pentanone | 0.631 | 0.596 | 5.5 | 93 | 0.02 | 11.07 |
| 61 | c | toluene | 0.910 | 0.887 | 2.5 | 97 | 0.00 | 11.74 |
| | | | Amount | Calc. | %Drift | | | |
| 62 | M | trans-1,3-dichloropropene | 50.000 | 40.995 | 18.0 | 93 | 0.00 | 11.39 |
| | | | AvgRF | CCRF | %Dev | | | |
| 63 | M | 1,1,2-trichloroethane | 0.310 | 0.278 | 10.3 | 91 | 0.00 | 11.56 |
| | | | Amount | Calc. | %Drift | | | |
| 64 | M | ethyl methacrylate | 50.000 | 47.202 | 5.6 | 96 | 0.00 | 11.76 |
| | | | AvgRF | CCRF | %Dev | | | |
| 65 | I | chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 99 | 0.00 | 13.13 |
| 66 | M | tetrachloroethene | 0.520 | 0.510 | 1.9 | 97 | 0.00 | 12.48 |
| 67 | M | 1,3-dichloropropane | 1.050 | 0.954 | 9.1 | 94 | 0.00 | 11.79 |
| 68 | M | dibromochloromethane | 0.580 | 0.607 | -4.7 | 99 | 0.00 | 12.09 |
| 69 | M | 1,2-dibromoethane | 0.592 | 0.550 | 7.1 | 94 | 0.00 | 12.34 |
| | | | Amount | Calc. | %Drift | | | |
| 70 | M | 2-hexanone | 50.000 | 45.826 | 8.3 | 89 | 0.02 | 11.93 |
| | | | AvgRF | CCRF | %Dev | | | |
| 71 | P | chlorobenzene | 1.544 | 1.475 | 4.5 | 98 | 0.00 | 13.16 |
| 72 | M | 1,1,1,2-tetrachloroethane | 0.520 | 0.522 | -0.4 | 96 | 0.00 | 13.08 |
| 73 | c | ethylbenzene | 2.642 | 2.770 | -4.8 | 96 | 0.00 | 13.34 |
| 74 | M | m,p-xylene | 0.899 | 0.952 | -5.9 | 96 | 0.00 | 13.52 |
| 75 | M | o-xylene | 0.876 | 0.955 | -9.0 | 99 | 0.00 | 13.94 |
| | | | Amount | Calc. | %Drift | | | |
| 76 | M | styrene | 50.000 | 49.368 | 1.3 | 97 | 0.00 | 13.86 |
| 77 | P | bromoform | 50.000 | 43.709 | 12.6 | 92 | 0.00 | 13.69 |
| 78 | M | trans-1,4-dichloro-2-bute | 50.000 | 43.188 | 13.6 | 86 | 0.00 | 14.08 |
| | | | AvgRF | CCRF | %Dev | | | |
| 79 | I | 1,4-dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 101 | 0.00 | 15.69 |
| 80 | M | isopropylbenzene | 2.590 | 2.844 | -9.8 | 98 | 0.00 | 14.30 |
| 81 | S | bromofluorobenzene (s) | 1.216 | 1.218 | -0.2 | 101 | 0.00 | 14.36 |
| 82 | M | bromobenzene | 0.823 | 0.801 | 2.7 | 97 | 0.00 | 14.59 |
| 83 | P | 1,1,2,2-tetrachloroethane | 1.126 | 0.994 | 11.7 | 90 | 0.00 | 13.94 |
| 84 | M | 1,2,3-trichloropropane | 1.095 | 0.984 | 10.1 | 90 | 0.00 | 14.09 |
| 85 | M | n-propylbenzene | 3.623 | 3.992 | -10.2 | 97 | 0.00 | 14.74 |
| 86 | M | 2-chlorotoluene | 2.552 | 2.704 | -6.0 | 99 | 0.00 | 14.86 |
| 87 | M | 4-chlorotoluene | 2.566 | 2.783 | -8.5 | 98 | 0.00 | 14.94 |
| 88 | M | 1,3,5-trimethylbenzene | 2.483 | 2.791 | -12.4 | 99 | 0.00 | 15.02 |
| 89 | M | tert-butylbenzene | 1.602 | 1.743 | -8.8 | 99 | 0.00 | 15.33 |
| 90 | M | 1,2,4-trimethylbenzene | 2.669 | 2.895 | -8.5 | 98 | 0.00 | 15.43 |
| 91 | M | sec-butylbenzene | 2.851 | 3.168 | -11.1 | 99 | 0.00 | 15.55 |
| 92 | M | 1,3-dichlorobenzene | 1.511 | 1.500 | 0.7 | 97 | 0.00 | 15.65 |
| 93 | M | p-isopropyltoluene | 2.482 | 2.561 | -3.2 | 97 | 0.00 | 15.72 |
| 94 | M | 1,4-dichlorobenzene | 1.621 | 1.548 | 4.5 | 98 | 0.00 | 15.72 |
| 95 | M | 1,2-dichlorobenzene | 1.463 | 1.509 | -3.1 | 98 | 0.00 | 16.09 |
| 96 | M | n-butylbenzene | 2.527 | 2.695 | -6.6 | 97 | 0.00 | 16.14 |
| 97 | M | 1,2-dibromo-3-chloropropa | 0.289 | 0.244 | 15.6 | 86 | 0.00 | 16.57 |
| 98 | M | 1,2,4-trichlorobenzene | 0.939 | 0.961 | -2.3 | 95 | 0.00 | 17.92 |

# Initial Calibration Verification

**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

**Sample:** MSP577-ICV577
**Lab FileID:** P16889.D

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 99 | M | hexachlorobutadiene | 0.375 | 0.340 | 9.3 | 91 | 0.00 | 18.21 |
| 100 | M | naphthalene | 2.835 | 3.047 | -7.5 | 94 | 0.00 | 18.19 |
| 101 | M | 1,2,3-trichlorobenzene | 0.952 | 0.922 | 3.2 | 94 | 0.00 | 18.39 |
| 102 | M | 2-Methylnaphthalene | ----------NA---------- | | | | | |

(#) = Out of Range SPCC's out = 0 CCC's out = 0
p16888.D P041707w.M Fri Apr 27 12:39:15 2007 RP

# Continuing Calibration Summary



**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

**Sample:** MSP589-CC577
**Lab FileID:** P17197.D

Evaluate Continuing Calibration Report

```
Data File : C:\msdchem\1\DATA\p17197.D                    Vial: 1
Acq On    : 26 Apr 2007   9:41 am                    Operator: amym
Sample    : cc577-100                                Inst    : Instrument #1
Misc      : ms13435,msp589,,,,5,1                    Multiplr: 1.00
MS Integration Params: RTEINT.P

Method       : C:\msdchem\1\METHODS\P041707w.M (RTE Integrator)
Title        : SW-846 Method 8260
Last Update  : Fri Apr 27 11:51:32 2007
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  20%     Max. Rel. Area : 200%
```

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) | R.T. |
|---|---|---|---|---|---|---|---|---|
| 1 | | tert butyl alcohol-d9 | 1.000 | 1.000 | 0.0 | 87 | 0.02 | 6.61 |
| 2 | | tertiary butyl alcohol | 1.652 | 1.501 | 9.1 | 88 | 0.01 | 6.68 |
| 3 | I | pentafluorobenzene | 1.000 | 1.000 | 0.0 | 62 | 0.00 | 9.00 |
| | | | Amount | Calc. | %Drift | | | |
| 4 | T | Ethanol | 10000.000 | 13202.838 | -32.0# | 89 | 0.04 | 5.53 |
| 5 | M | dichlorodifluoromethane | 100.000 | 82.473 | 17.5 | 48 | 0.00 | 4.24 |
| 6 | P | chloromethane | 100.000 | 91.966 | 8.0 | 58 | 0.00 | 4.49 |
| | | | AvgRF | CCRF | %Dev | | | |
| 7 | c | vinyl chloride | 0.777 | 0.772 | 0.6 | 67 | 0.00 | 4.74 |
| | | | Amount | Calc. | %Drift | | | |
| 8 | M | bromomethane | 100.000 | 83.684 | 16.3 | 49 | 0.00 | 5.24 |
| | | | AvgRF | CCRF | %Dev | | | |
| 9 | M | chloroethane | 0.461 | 0.441 | 4.3 | 65 | 0.00 | 5.41 |
| 10 | M | ethyl ether | 0.639 | 0.708 | -10.8 | 68 | 0.00 | 6.31 |
| | | | Amount | Calc. | %Drift | | | |
| 11 | M | acetonitrile | 100.000 | 183.576 | -83.6# | 109 | 0.00 | 5.96 |
| | | | AvgRF | CCRF | %Dev | | | |
| 12 | M | trichlorofluoromethane | 0.934 | 0.946 | -1.3 | 62 | 0.00 | 6.06 |
| 13 | M | freon-113 | 0.460 | 0.424 | 7.8 | 53 | 0.00 | 6.84 |
| 14 | M | acrolein | 0.209 | 0.260 | -24.4# | 72 | 0.00 | 6.07 |
| | | | Amount | Calc. | %Drift | | | |
| 15 | c | 1,1-dichloroethene | 100.000 | 105.825 | -5.8 | 66 | 0.00 | 6.65 |
| 16 | M | acetone | 100.000 | 133.870 | -33.9# | 93 | 0.00 | 6.20 |
| | | | AvgRF | CCRF | %Dev | | | |
| 17 | M | Methyl Acetate | 1.060 | 1.225 | -15.6 | 77 | 0.00 | 6.83 |
| | | | Amount | Calc. | %Drift | | | |
| 18 | M | methylene chloride | 100.000 | 103.657 | -3.7 | 65 | 0.00 | 6.80 |
| | | | AvgRF | CCRF | %Dev | | | |
| 19 | M | methyl tert butyl ether | 1.542 | 1.988 | -28.9# | 69 | 0.00 | 7.58 |
| 20 | M | acrylonitrile | 0.370 | 0.445 | -20.3# | 72 | 0.00 | 6.71 |
| 21 | M | allyl chloride | 0.799 | 0.880 | -10.1 | 66 | 0.00 | 6.89 |

# Continuing Calibration Summary

**Job Number:** M64162 **Sample:** MSP589-CC577
**Account:** GEI GEI Consultants, Inc. **Lab FileID:** P17197.D
**Project:** Tufts Street Somerville MA

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 22 | M | trans-1,2-dichloroethene | 0.567 | 0.571 | -0.7 | 65 | 0.00 | 7.50 |
| 23 | M | iodomethane | 0.203 | 0.226 | -11.3 | 71 | 0.00 | 6.72 |
| 24 | M | carbon disulfide | 1.628 | 1.599 | 1.8 | 63 | 0.00 | 7.08 |
| 25 | M | propionitrile | 0.138 | 0.174 | -26.1# | 73 | 0.00 | 7.77 |
| | | ---------- | Amount | Calc. | %Drift | ---------- | | |
| 26 | M | vinyl acetate | 100.000 | 57.221 | 42.8# | 36 | 0.00 | 7.85 |
| | | ---------- | AvgRF | CCRF | %Dev | ---------- | | |
| 27 | M | chloroprene | 1.050 | 1.318 | -25.5# | 68 | 0.00 | 8.11 |
| 28 | M | di-isopropyl ether | 2.836 | 3.132 | -10.4 | 67 | 0.00 | 8.15 |
| 29 | M | methacrylonitrile | 0.617 | 0.740 | -19.9 | 75 | 0.00 | 8.27 |
| 30 | M | 2-butanone | 0.084 | 0.100 | -19.0 | 72 | 0.00 | 8.16 |
| 31 | M | Hexane | 1.160 | 1.146 | 1.2 | 63 | 0.00 | 8.14 |
| 32 | P | 1,1-dichloroethane | 1.269 | 1.276 | -0.6 | 66 | 0.00 | 7.75 |
| | | ---------- | Amount | Calc. | %Drift | ---------- | | |
| 33 | M | tert-butyl ethyl ether | 100.000 | 91.878 | 8.1 | 62 | 0.00 | 8.54 |
| 34 | M | isobutyl alcohol | 500.000 | 492.177 | 1.6 | 64 | 0.00 | 8.54 |
| 35 | M | 2,2-dichloropropane | 100.000 | 96.373 | 3.6 | 52 | 0.00 | 8.61 |
| | | ---------- | AvgRF | CCRF | %Dev | ---------- | | |
| 36 | M | cis-1,2-dichloroethene | 0.651 | 0.640 | 1.7 | 65 | 0.00 | 8.32 |
| 37 | M | bromochloromethane | 0.257 | 0.263 | -2.3 | 65 | 0.00 | 8.49 |
| 38 | c | chloroform | 1.254 | 1.291 | -3.0 | 70 | 0.00 | 8.52 |
| 39 | S | dibromofluoromethane (s) | 0.573 | 0.585 | -2.1 | 68 | 0.00 | 8.65 |
| 40 | M | Tetrahydrofuran | 0.293 | 0.356 | -21.5# | 73 | 0.00 | 8.86 |
| | | ---------- | Amount | Calc. | %Drift | ---------- | | |
| 41 | M | 1,1,1-trichloroethane | 100.000 | 128.535 | -28.5# | 67 | 0.00 | 9.27 |
| | | ---------- | AvgRF | CCRF | %Dev | ---------- | | |
| 42 | I | 1,4-difluorobenzene | 1.000 | 1.000 | 0.0 | 64 | 0.00 | 9.87 |
| | | ---------- | Amount | Calc. | %Drift | ---------- | | |
| 43 | M | Cyclohexane | 100.000 | 91.416 | 8.6 | 56 | 0.00 | 9.56 |
| 44 | M | carbon tetrachloride | 100.000 | 114.856 | -14.9 | 68 | 0.00 | 9.64 |
| | | ---------- | AvgRF | CCRF | %Dev | ---------- | | |
| 45 | M | 1,1-dichloropropene | 0.477 | 0.520 | -9.0 | 67 | 0.00 | 9.45 |
| 46 | M | benzene | 1.432 | 1.396 | 2.5 | 64 | 0.00 | 9.68 |
| 47 | M | 1,2-dichloroethane | 0.797 | 0.885 | -11.0 | 77 | 0.00 | 9.18 |
| | | ---------- | Amount | Calc. | %Drift | ---------- | | |
| 48 | M | tert-amyl methyl ether | 100.000 | 98.279 | 1.7 | 66 | 0.00 | 9.79 |
| | | ---------- | AvgRF | CCRF | %Dev | ---------- | | |
| 49 | M | heptane | 0.488 | 0.493 | -1.0 | 58 | 0.00 | 10.15 |
| 50 | M | trichloroethene | 0.405 | 0.426 | -5.2 | 66 | 0.00 | 10.29 |
| 51 | c | 1,2-dichloropropane | 0.418 | 0.422 | -1.0 | 62 | 0.00 | 10.26 |
| 52 | M | dibromomethane | 0.251 | 0.258 | -2.8 | 70 | 0.00 | 10.24 |
| 53 | M | bromodichloromethane | 0.558 | 0.654 | -17.2 | 70 | 0.00 | 10.35 |
| | | ---------- | Amount | Calc. | %Drift | ---------- | | |
| 54 | M | Methylcyclohexane | 100.000 | 90.891 | 9.1 | 54 | 0.00 | 10.81 |
| 55 | M | 2-chloroethyl vinyl ether | | ----------NA---------- | | | | |
| 56 | M | methyl methacrylate | 100.000 | 97.478 | 2.5 | 61 | 0.00 | 10.44 |
| 57 | M | 1,4-dioxane | 500.000 | 629.919 | -26.0# | 76 | 0.00 | 10.47 |
| 58 | M | cis-1,3-dichloropropene | 100.000 | 93.807 | 6.2 | 58 | 0.00 | 10.96 |

# Continuing Calibration Summary

**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

**Sample:** MSP589-CC577
**Lab FileID:** P17197.D

| | | | AvgRF | CCRF | %Dev | | | |
|---|---|---|---|---|---|---|---|---|
| 59 | S | toluene-d8 (s) | 1.263 | 1.274 | -0.9 | 65 | 0.00 | 11.67 |
| 60 | M | 4-methyl-2-pentanone | 0.631 | 0.762 | -20.8# | 72 | 0.00 | 11.06 |
| 61 | c | toluene | 0.910 | 0.911 | -0.1 | 64 | 0.00 | 11.74 |
| | | | Amount | Calc. | %Drift | | | |
| 62 | M | trans-1,3-dichloropropene | 100.000 | 88.158 | 11.8 | 60 | 0.00 | 11.38 |
| | | | AvgRF | CCRF | %Dev | | | |
| 63 | M | 1,1,2-trichloroethane | 0.310 | 0.318 | -2.6 | 65 | 0.00 | 11.56 |
| | | | Amount | Calc. | %Drift | | | |
| 64 | M | ethyl methacrylate | 100.000 | 96.216 | 3.8 | 59 | 0.00 | 11.76 |
| | | | AvgRF | CCRF | %Dev | | | |
| 65 | I | chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 69 | 0.00 | 13.12 |
| 66 | M | tetrachloroethene | 0.520 | 0.484 | 6.9 | 67 | 0.00 | 12.48 |
| 67 | M | 1,3-dichloropropane | 1.050 | 0.958 | 8.8 | 68 | 0.00 | 11.79 |
| 68 | M | dibromochloromethane | 0.580 | 0.628 | -8.3 | 71 | 0.00 | 12.08 |
| 69 | M | 1,2-dibromoethane | 0.592 | 0.559 | 5.6 | 68 | 0.00 | 12.33 |
| | | | Amount | Calc. | %Drift | | | |
| 70 | M | 2-hexanone | 100.000 | 98.445 | 1.6 | 72 | 0.00 | 11.92 |
| | | | AvgRF | CCRF | %Dev | | | |
| 71 | P | chlorobenzene | 1.544 | 1.357 | 12.1 | 66 | 0.00 | 13.16 |
| 72 | M | 1,1,1,2-tetrachloroethane | 0.520 | 0.547 | -5.2 | 71 | 0.00 | 13.08 |
| 73 | c | ethylbenzene | 2.642 | 2.685 | -1.6 | 67 | 0.00 | 13.34 |
| 74 | M | m,p-xylene | 0.899 | 0.910 | -1.2 | 68 | 0.00 | 13.52 |
| 75 | M | o-xylene | 0.876 | 0.890 | -1.6 | 67 | 0.00 | 13.93 |
| | | | Amount | Calc. | %Drift | | | |
| 76 | M | styrene | 100.000 | 94.994 | 5.0 | 66 | 0.00 | 13.86 |
| 77 | P | bromoform | 100.000 | 98.004 | 2.0 | 72 | 0.00 | 13.69 |
| 78 | M | trans-1,4-dichloro-2-bute | 100.000 | 70.512 | 29.5# | 55 | 0.00 | 14.08 |
| | | | AvgRF | CCRF | %Dev | | | |
| 79 | I | 1,4-dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 72 | 0.00 | 15.69 |
| 80 | M | isopropylbenzene | 2.590 | 2.755 | -6.4 | 68 | 0.00 | 14.30 |
| 81 | S | bromofluorobenzene (s) | 1.216 | 1.219 | -0.2 | 72 | 0.00 | 14.35 |
| 82 | M | bromobenzene | 0.823 | 0.785 | 4.6 | 69 | 0.00 | 14.59 |
| 83 | P | 1,1,2,2-tetrachloroethane | 1.126 | 1.071 | 4.9 | 72 | 0.00 | 13.94 |
| 84 | M | 1,2,3-trichloropropane | 1.095 | 1.047 | 4.4 | 67 | 0.00 | 14.08 |
| 85 | M | n-propylbenzene | 3.623 | 3.932 | -8.5 | 68 | 0.00 | 14.74 |
| 86 | M | 2-chlorotoluene | 2.552 | 2.603 | -2.0 | 69 | 0.00 | 14.86 |
| 87 | M | 4-chlorotoluene | 2.566 | 2.710 | -5.6 | 69 | 0.00 | 14.94 |
| 88 | M | 1,3,5-trimethylbenzene | 2.483 | 2.761 | -11.2 | 70 | 0.00 | 15.02 |
| 89 | M | tert-butylbenzene | 1.602 | 1.785 | -11.4 | 72 | 0.00 | 15.33 |
| 90 | M | 1,2,4-trimethylbenzene | 2.669 | 2.902 | -8.7 | 71 | 0.00 | 15.43 |
| 91 | M | sec-butylbenzene | 2.851 | 3.146 | -10.3 | 69 | 0.00 | 15.55 |
| 92 | M | 1,3-dichlorobenzene | 1.511 | 1.475 | 2.4 | 69 | 0.00 | 15.65 |
| 93 | M | p-isopropyltoluene | 2.482 | 2.599 | -4.7 | 70 | 0.00 | 15.72 |
| 94 | M | 1,4-dichlorobenzene | 1.621 | 1.501 | 7.4 | 70 | 0.00 | 15.72 |
| 95 | M | 1,2-dichlorobenzene | 1.463 | 1.471 | -0.5 | 68 | 0.00 | 16.09 |
| 96 | M | n-butylbenzene | 2.527 | 2.820 | -11.6 | 71 | 0.00 | 16.14 |
| 97 | M | 1,2-dibromo-3-chloropropa | 0.289 | 0.311 | -7.6 | 76 | 0.00 | 16.56 |
| 98 | M | 1,2,4-trichlorobenzene | 0.939 | 1.035 | -10.2 | 71 | 0.00 | 17.91 |

# Continuing Calibration Summary

**Job Number:** M64162
**Account:** GEI GEI Consultants, Inc.
**Project:** Tufts Street Somerville MA

**Sample:** MSP589-CC577
**Lab FileID:** P17197.D

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 99 | M | hexachlorobutadiene | 0.375 | 0.401 | -6.9 | 73 | 0.00 | 18.20 |
| 100 | M | naphthalene | 2.835 | 3.095 | -9.2 | 67 | 0.00 | 18.18 |
| 101 | M | 1,2,3-trichlorobenzene | 0.952 | 0.989 | -3.9 | 72 | 0.00 | 18.39 |
| 102 | M | 2-Methylnaphthalene | | ----------NA---------- | | | | |

(#) = Out of Range SPCC's out = 0 CCC's out = 0
p16887.D P041707w.M Fri Apr 27 12:28:37 2007 RP

# GC/MS Volatiles



## Raw Data

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18914.D Vial: 23
Acq On : 27 Apr 2007 12:59 pm Operator: alit
Sample : M64162-1 Inst : MAMSN
Misc : ms13438,msn684,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 27 14:22:27 2007 Quant Results File: N042007W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Apr 25 10:27:30 2007
Response via : Initial Calibration
DataAcq Meth : N8260

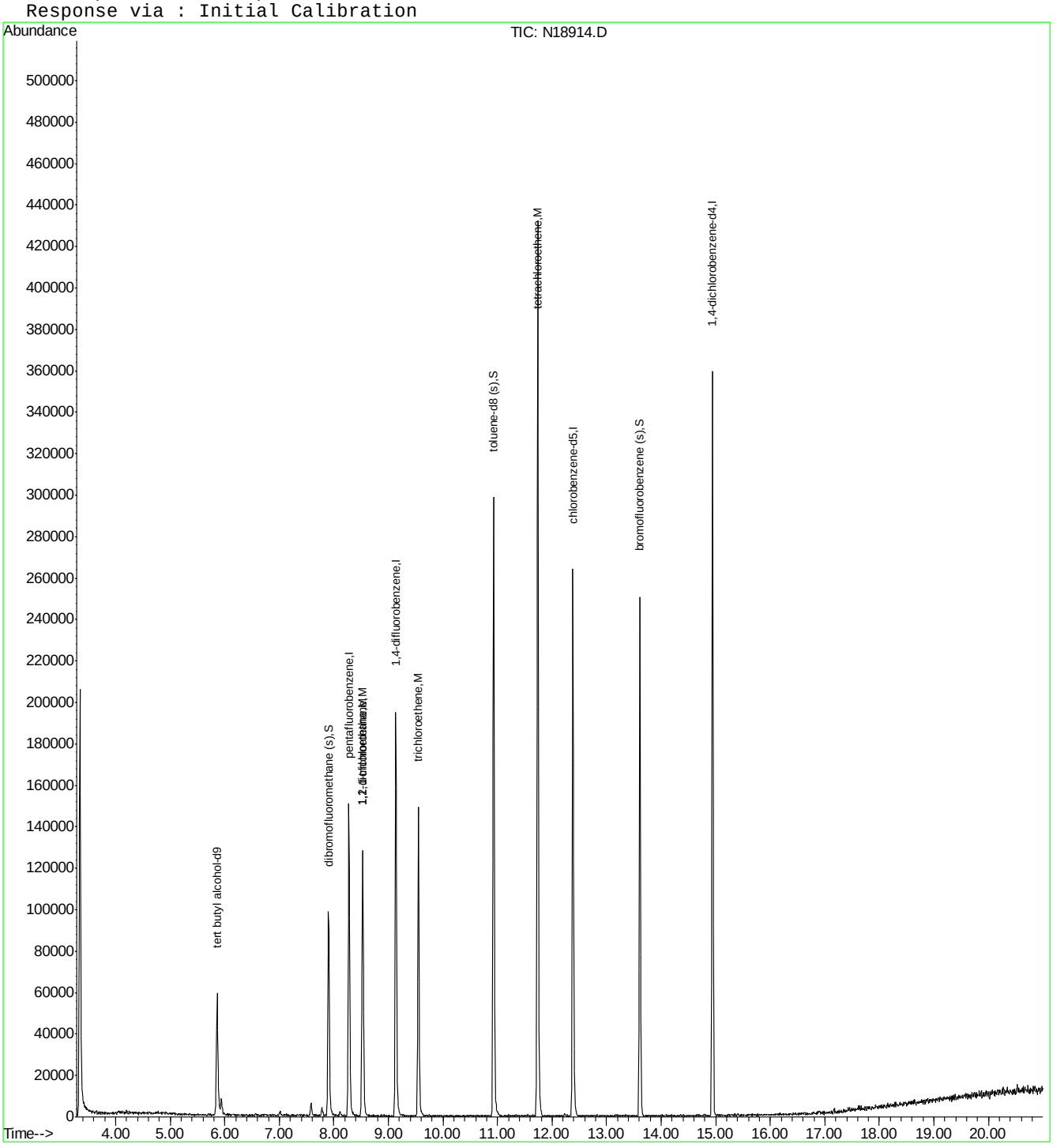
| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 5.86 | 65 | 64166 | 500.00 | ug/L | 0.00 |
| 3) pentafluorobenzene | 8.28 | 168 | 103713 | 50.00 | ug/L | 0.00 |
| 43) 1,4-difluorobenzene | 9.14 | 114 | 148066 | 50.00 | ug/L | 0.00 |
| 66) chlorobenzene-d5 | 12.38 | 82 | 81291 | 50.00 | ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 14.94 | 152 | 92953 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 40) dibromofluoromethane (s) | 7.90 | 113 | 59078 | 59.98 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 84 - 129 | | Recovery = 119.96% | | | |
| 60) toluene-d8 (s) | 10.93 | 98 | 193908 | 52.15 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 104.30% | | | |
| 82) bromofluorobenzene (s) | 13.61 | 95 | 75212 | 51.18 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 82 - 118 | | Recovery = 102.36% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 42) 1,1,1-trichloroethane | 8.53 | 97 | 81720 | 71.27 | ug/L | 96 |
| 48) 1,2-dichloroethane | 8.53 | 62 | 4487 | 3.92 | ug/L # | 1 |
| 51) trichloroethene | 9.55 | 95 | 45396 | 47.19 | ug/L | 98 |
| 67) tetrachloroethene | 11.73 | 166 | 126346 | 94.02 | ug/L | 99 |

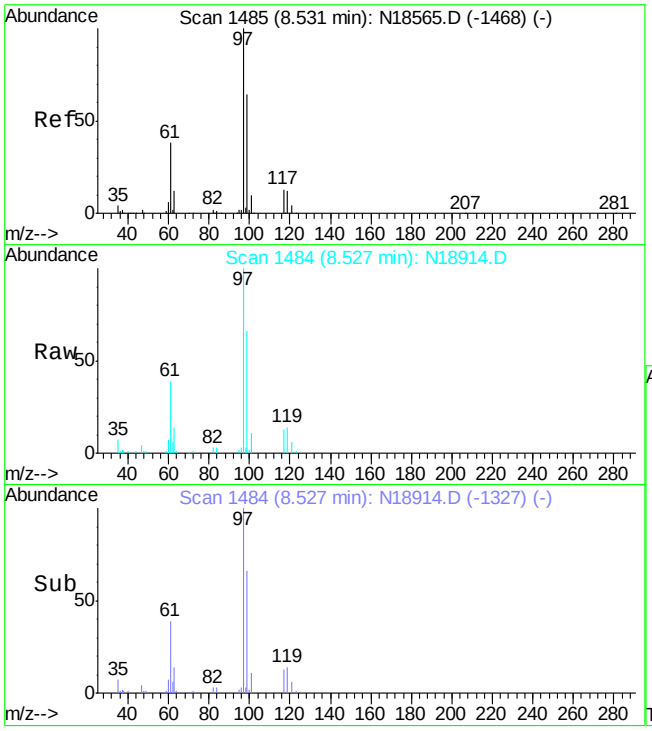
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18914.D Vial: 23
Acq On : 27 Apr 2007 12:59 pm Operator: alit
Sample : M64162-1 Inst : MAMSN
Misc : ms13438,msn684,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 27 18:28 2007 Quant Results File: N042007W.RES

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Apr 25 10:27:30 2007
Response via : Initial Calibration

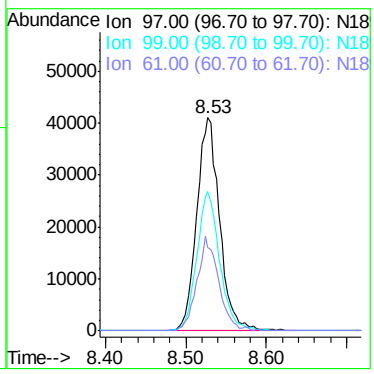


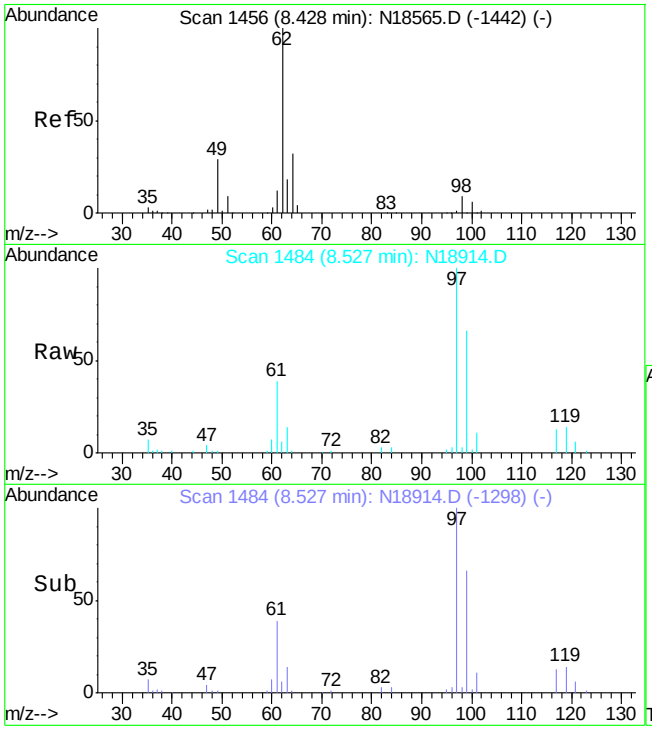



#42
1,1,1-trichloroethane
Concen: 71.27 ug/L
RT: 8.53 min Scan# 1484
Delta R.T. 0.00 min
Lab File: N18914.D
Acq: 27 Apr 2007 12:59 pm

Tgt Ion: 97 Resp: 81720

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 65.6 | 32.2 | 92.2 |
| 61 | 38.9 | 10.8 | 70.8 |

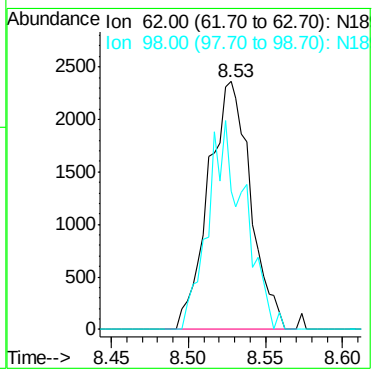


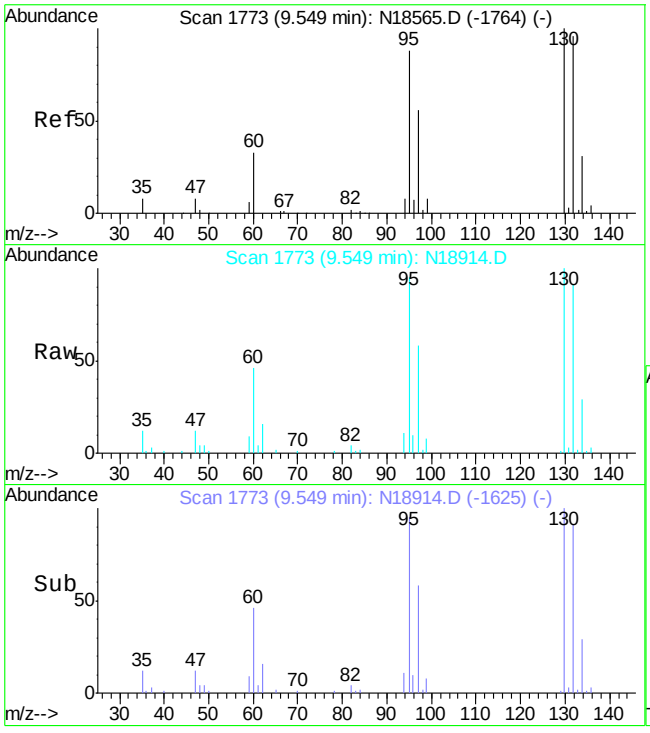




#48
1,2-dichloroethane
Concen: 3.92 ug/L
RT: 8.53 min Scan# 1484
Delta R.T. 0.10 min
Lab File: N18914.D
Acq: 27 Apr 2007 12:59 pm

Tgt Ion: 62 Resp: 4487

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 55.8 | 0.0 | 39.0# |

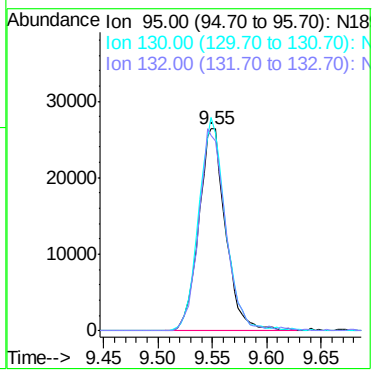


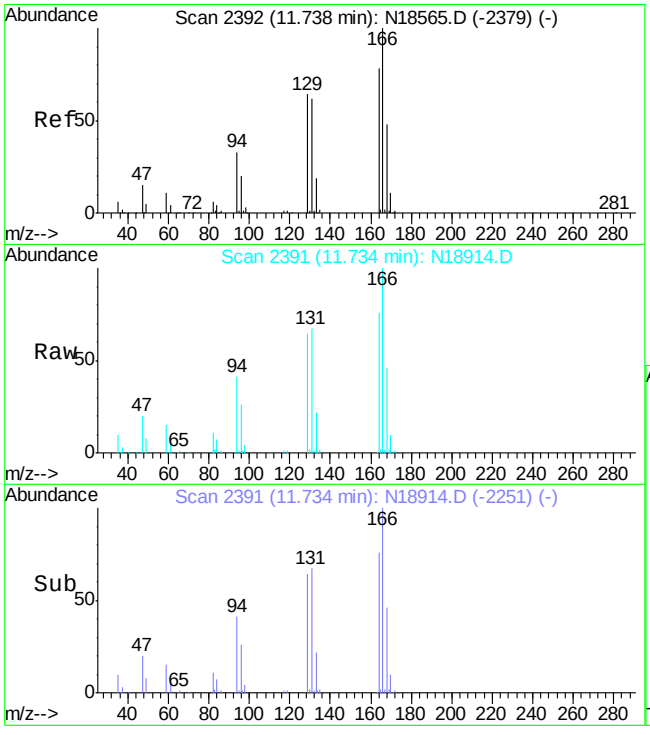



#51
trichloroethene
Concen: 47.19 ug/L
RT: 9.55 min Scan# 1773
Delta R.T. 0.00 min
Lab File: N18914.D
Acq: 27 Apr 2007 12:59 pm

Tgt Ion: 95 Resp: 45396

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 130 | 105.5 | 75.7 | 135.7 |
| 132 | 96.5 | 69.5 | 129.5 |

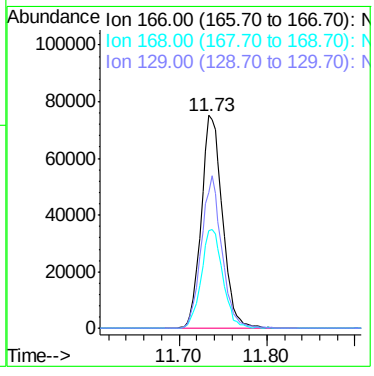



#67
tetrachloroethene
Concen: 94.02 ug/L
RT: 11.73 min Scan# 2391
Delta R.T. -0.00 min
Lab File: N18914.D
Acq: 27 Apr 2007 12:59 pm

Tgt Ion:166 Resp: 126346

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 168 | 46.1 | 16.3 | 76.3 |
| 129 | 63.9 | 33.0 | 93.0 |



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p17208.D
Acq On : 26 Apr 2007 3:27 pm
Operator : amym
Sample : m64162-1
Misc : ms13438,msp589,,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 30 14:41:01 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 25 09:57:54 2007
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 6.618 | 65 | 90873 | 500.00 | ug/L | 0.03 |
| 3) pentafluorobenzene | 9.004 | 168 | 114698 | 50.00 | ug/L | 0.00 |
| 42) 1,4-difluorobenzene | 9.875 | 114 | 191830 | 50.00 | ug/L | 0.00 |
| 65) chlorobenzene-d5 | 13.131 | 82 | 127932 | 50.00 | ug/L | 0.00 |
| 79) 1,4-dichlorobenzene-d4 | 15.692 | 152 | 92439 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 39) dibromofluoromethane (s) | 8.646 | 113 | 72291 | 55.04 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 85 - 129 | | Recovery = 110.08% | | | |
| 59) toluene-d8 (s) | 11.673 | 98 | 247941 | 51.17 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 102.34% | | | |
| 81) bromofluorobenzene (s) | 14.357 | 95 | 110377 | 49.09 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 119 | | Recovery = 98.18% | | | |
| Target Compounds | | | | | | Qvalue |
| 15) 1,1-dichloroethene | 6.651 | 96 | 19619 | 15.62 | ug/L # | 56 |
| 32) 1,1-dichloroethane | 7.749 | 63 | 4378 | 1.50 | ug/L | 65 |
| 36) cis-1,2-dichloroethene | 8.320 | 96 | 3836 | 2.57 | ug/L # | 59 |
| 38) chloroform | 8.524 | 83 | 5312 | 1.85 | ug/L | 96 |
| 40) Tetrahydrofuran | 8.872 | 42 | 2315 | 3.44 | ug/L | 67 |
| 41) 1,1,1-trichloroethane | 9.276 | 97 | 113786 | 50.48 | ug/L | 85 |
| 50) trichloroethene | 10.296 | 95 | 85253 | 54.85 | ug/L | 75 |
| 66) tetrachloroethene | 12.484 | 166 | 269942 | 202.81 | ug/L | 94 |

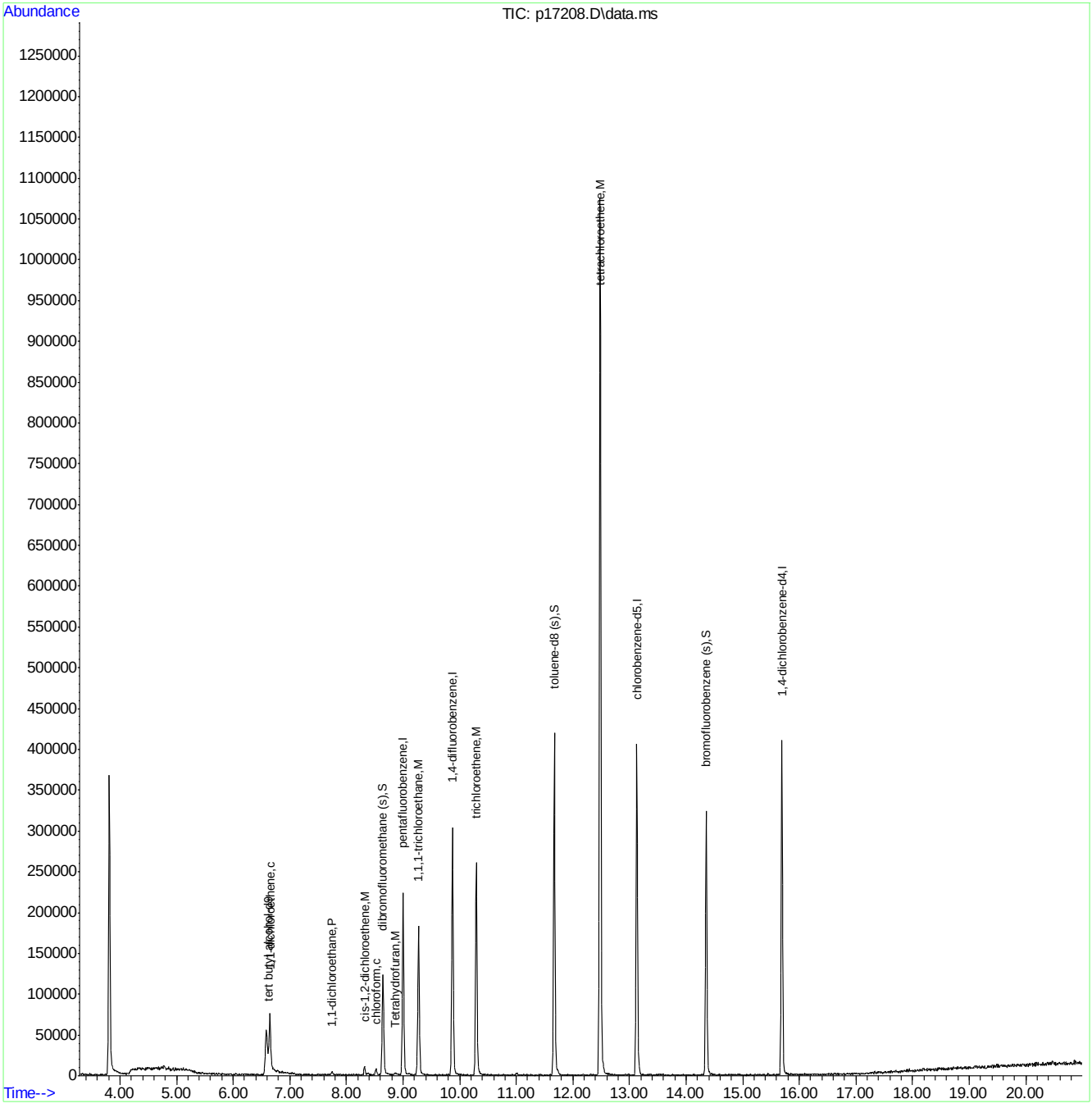
(#) = qualifier out of range (m) = manual integration (+) = signals summed

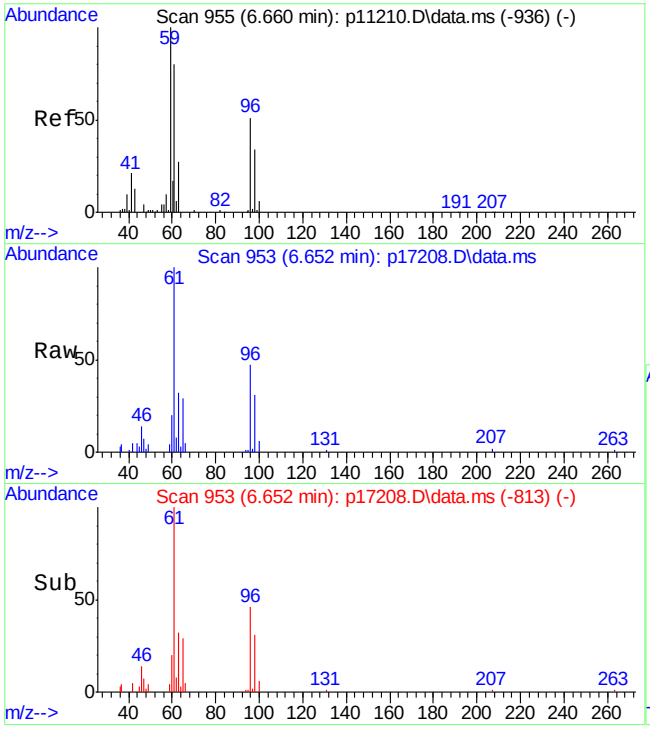
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p17208.D
Acq On : 26 Apr 2007 3:27 pm
Operator : amym
Sample : m64162-1
Misc : ms13438,msp589,,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 30 14:41:01 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 25 09:57:54 2007
Response via : Initial Calibration



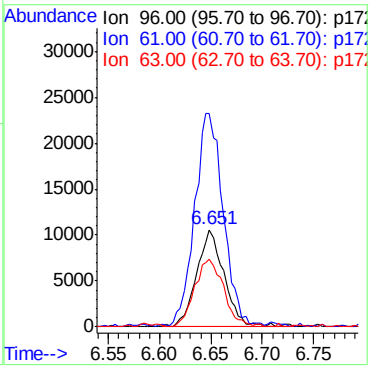


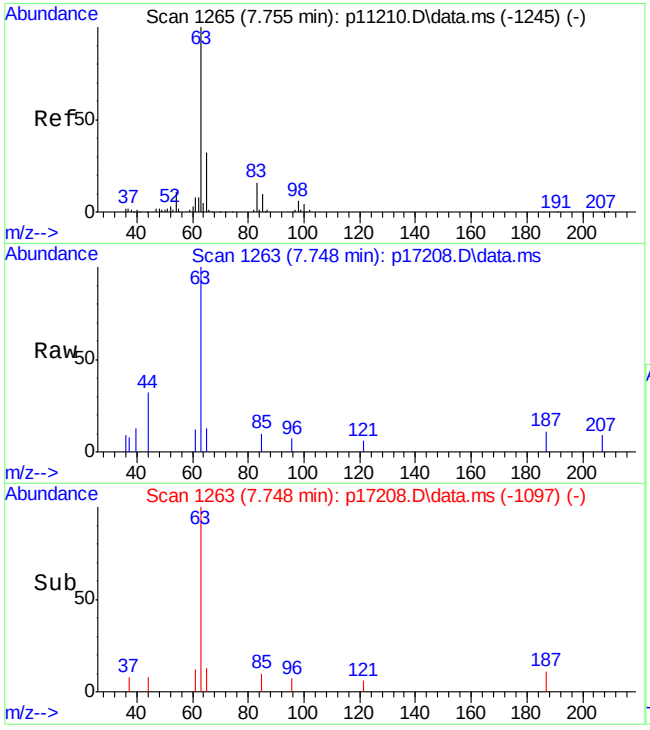



#15
1,1-dichloroethene
Concen: 15.62 ug/L
RT: 6.651 min Scan# 953
Delta R.T. -0.005 min
Lab File: p17208.D
Acq: 26 Apr 2007 3:27 pm

Tgt Ion: 96 Resp: 19619

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 209.0 | 116.4 | 176.4# |
| 63 | 66.8 | 19.0 | 79.0 |

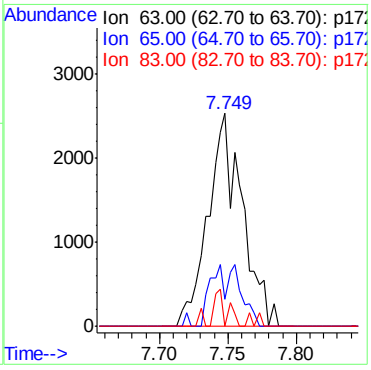


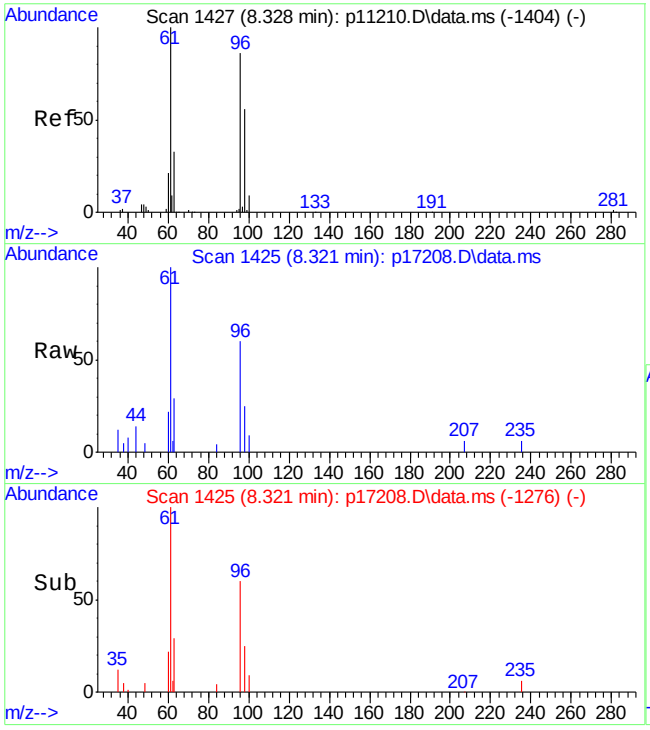




#32
1,1-dichloroethane
Concen: 1.50 ug/L
RT: 7.749 min Scan# 1263
Delta R.T. -0.003 min
Lab File: p17208.D
Acq: 26 Apr 2007 3:27 pm

Tgt Ion: 63 Resp: 4378

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 12.9 | 1.9 | 61.9 |
| 83 | 0.0 | 0.0 | 44.9 |

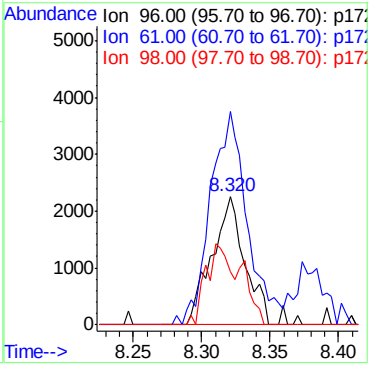


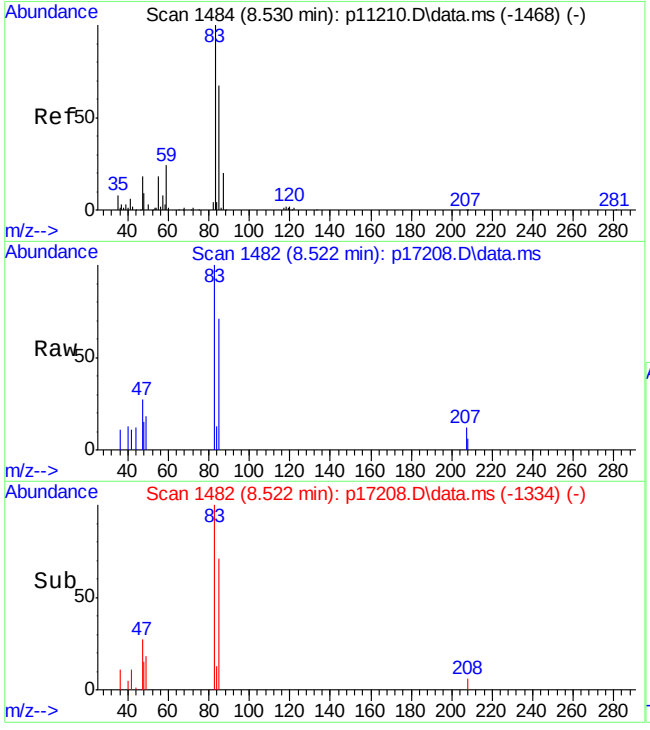



#36
cis-1,2-dichloroethene
Concen: 2.57 ug/L
RT: 8.320 min Scan# 1425
Delta R.T. -0.004 min
Lab File: p17208.D
Acq: 26 Apr 2007 3:27 pm

Tgt Ion: 96 Resp: 3836

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 165.8 | 83.9 | 143.9# |
| 98 | 41.4 | 35.0 | 95.0 |

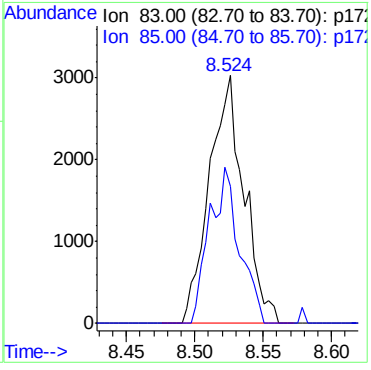


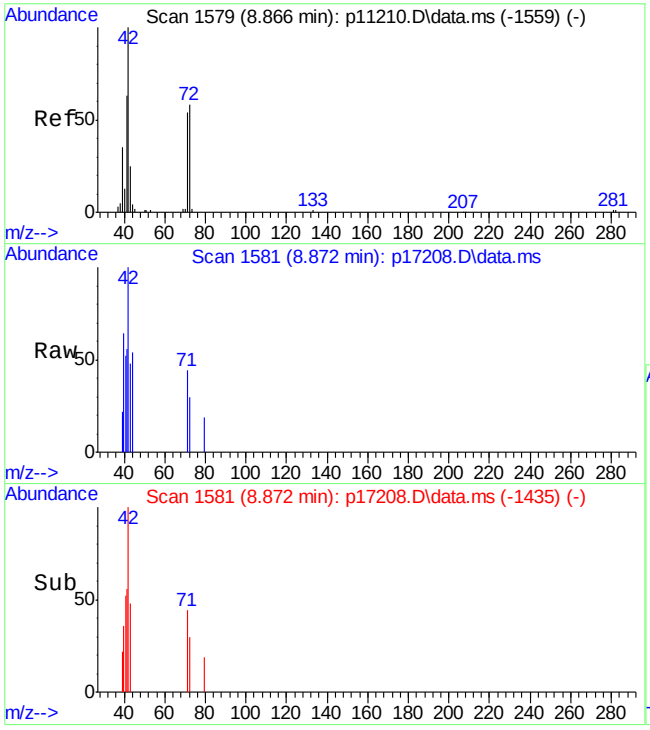




#38
chloroform
Concen: 1.85 ug/L
RT: 8.524 min Scan# 1482
Delta R.T. -0.005 min
Lab File: p17208.D
Acq: 26 Apr 2007 3:27 pm

Tgt Ion: 83 Resp: 5312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 71.4 | 45.2 | 105.2 |

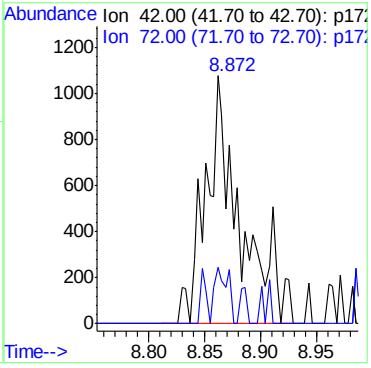


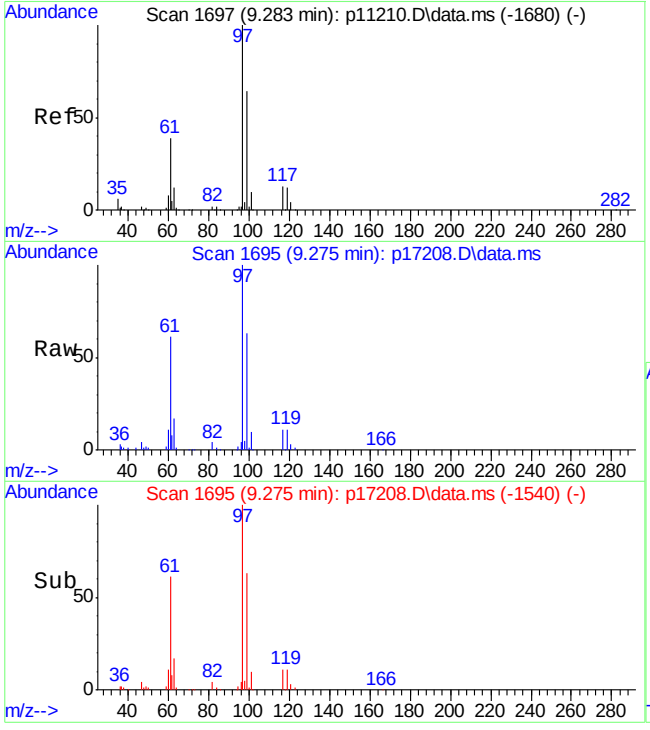



#40
Tetrahydrofuran
Concen: 3.44 ug/L
RT: 8.872 min Scan# 1581
Delta R.T. 0.016 min
Lab File: p17208.D
Acq: 26 Apr 2007 3:27 pm

Tgt Ion: 42 Resp: 2315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 30.5 | 24.2 | 84.2 |

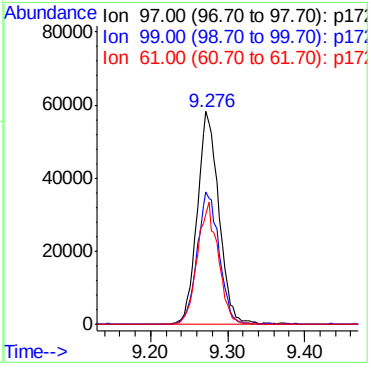


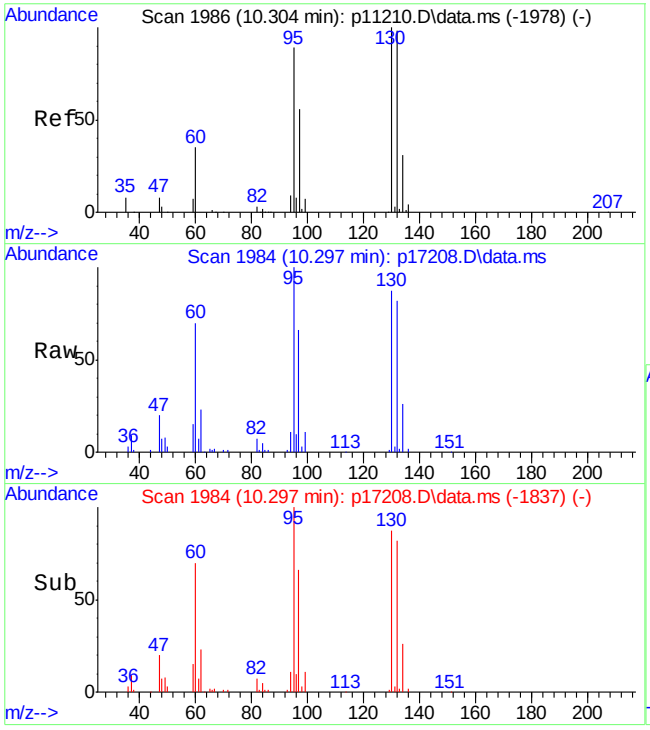




#41
1,1,1-trichloroethane
Concen: 50.48 ug/L
RT: 9.276 min Scan# 1695
Delta R.T. 0.000 min
Lab File: p17208.D
Acq: 26 Apr 2007 3:27 pm

Tgt Ion: 97 Resp: 113786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 62.6 | 33.8 | 93.8 |
| 61 | 60.8 | 8.0 | 68.0 |

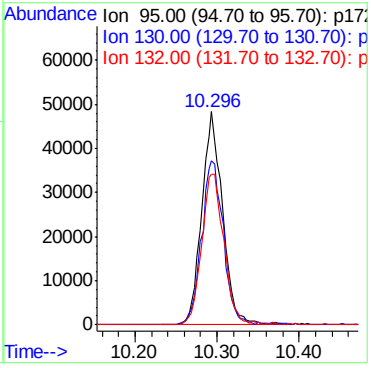


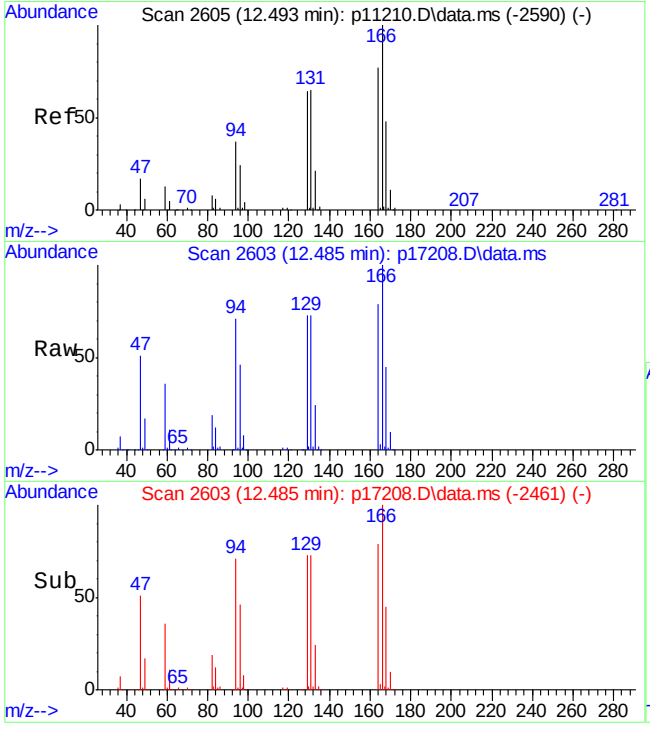



#50
trichloroethene
Concen: 54.85 ug/L
RT: 10.296 min Scan# 1984
Delta R.T. -0.000 min
Lab File: p17208.D
Acq: 26 Apr 2007 3:27 pm

Tgt Ion: 95 Resp: 85253

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 130 | 87.4 | 81.4 | 141.4 |
| 132 | 81.9 | 80.8 | 140.8 |

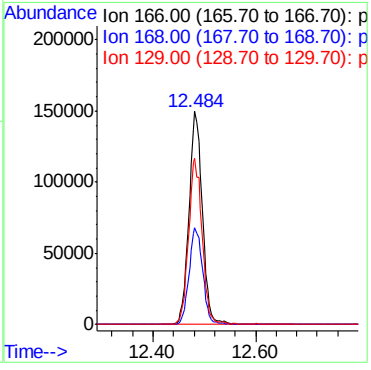



#66
tetrachloroethene
Concen: 202.81 ug/L
RT: 12.484 min Scan# 2603
Delta R.T. 0.001 min
Lab File: p17208.D
Acq: 26 Apr 2007 3:27 pm

Tgt Ion:166 Resp: 269942

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 168 | 45.4 | 17.7 | 77.7 |
| 129 | 73.1 | 36.7 | 96.7 |



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18915.D Vial: 24
Acq On : 27 Apr 2007 1:28 pm Operator: alit
Sample : M64162-2 Inst : MAMSN
Misc : ms13438,msn684,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 27 16:57:12 2007 Quant Results File: N042007W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Apr 25 10:27:30 2007
Response via : Initial Calibration
DataAcq Meth : N8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 5.85 | 65 | 65061 | 500.00 | ug/L | 0.00 |
| 3) pentafluorobenzene | 8.28 | 168 | 99758 | 50.00 | ug/L | 0.00 |
| 43) 1,4-difluorobenzene | 9.14 | 114 | 144697 | 50.00 | ug/L | 0.00 |
| 66) chlorobenzene-d5 | 12.38 | 82 | 78626 | 50.00 | ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 14.94 | 152 | 86822 | 50.00 | ug/L | 0.00 |

System Monitoring Compounds

| | | | | | | |
|---|---|---|---|---|---|---|
| 40) dibromofluoromethane (s) | 7.90 | 113 | 57006 | 60.17 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 84 - 129 | | Recovery = 120.34% | | | |
| 60) toluene-d8 (s) | 10.93 | 98 | 187224 | 51.53 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 103.06% | | | |
| 82) bromofluorobenzene (s) | 13.61 | 95 | 73969 | 53.89 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 82 - 118 | | Recovery = 107.78% | | | |

Target Compounds

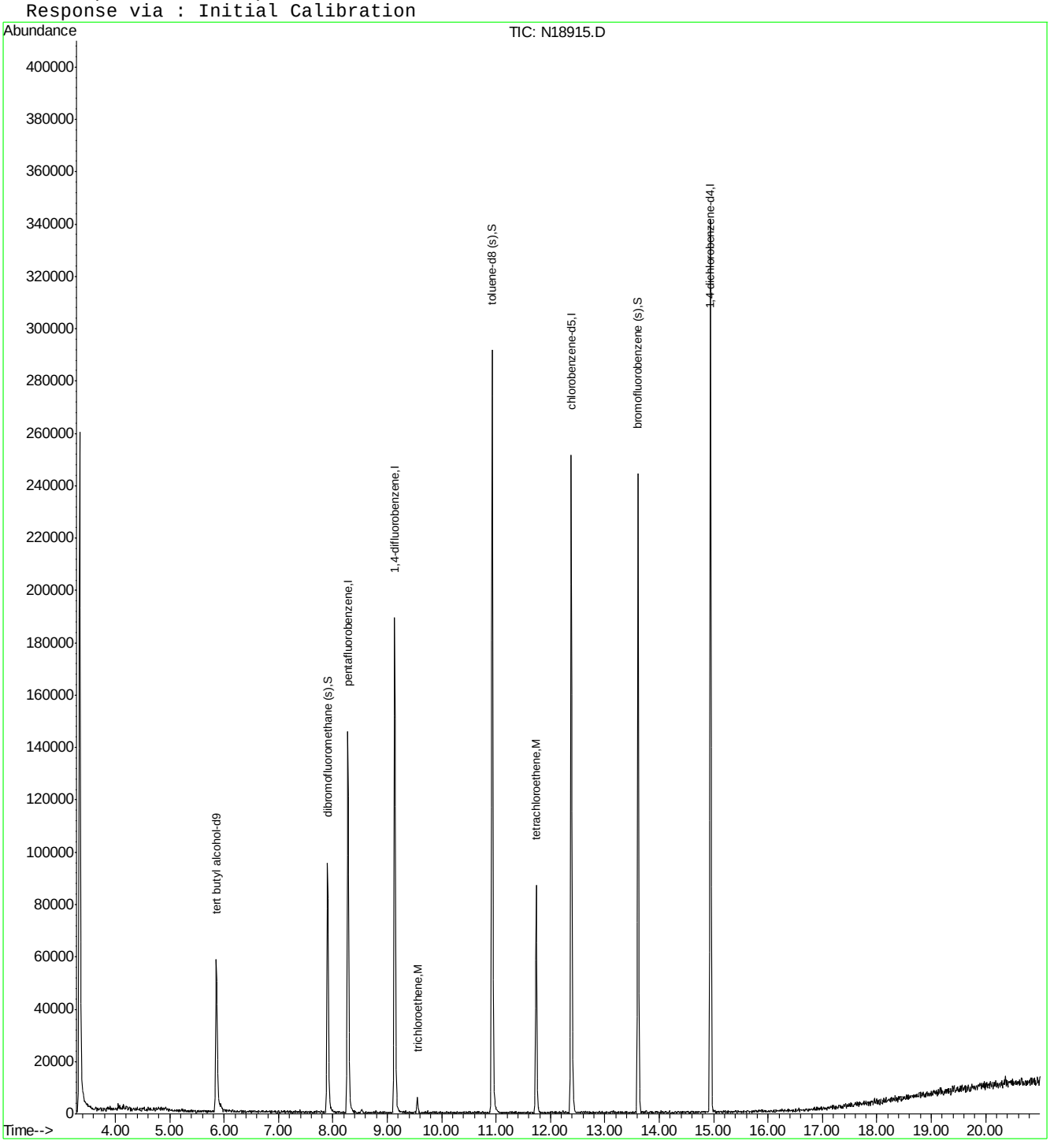
| | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 51) trichloroethene | 9.55 | 95 | 1889 | 2.01 | ug/L | 80 |
| 67) tetrachloroethene | 11.74 | 166 | 26434 | 20.34 | ug/L | 98 |

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

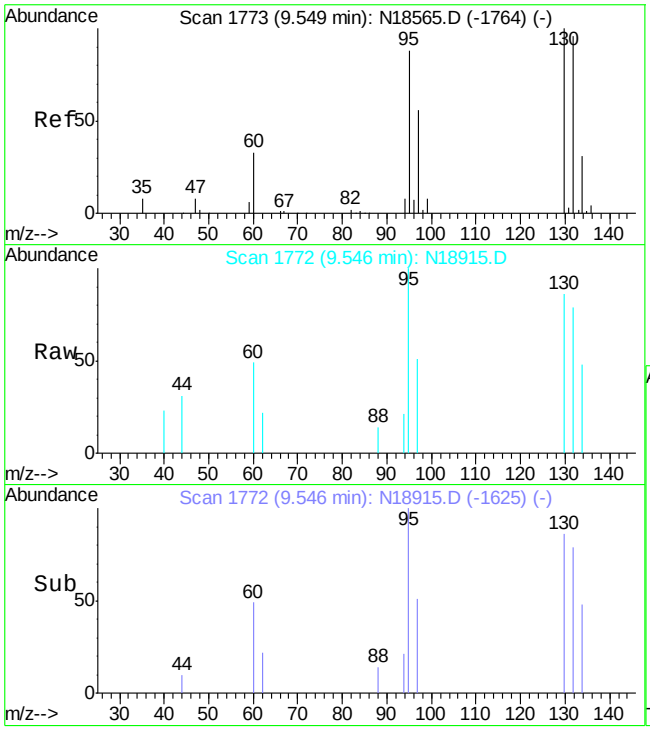
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18915.D Vial: 24
Acq On : 27 Apr 2007 1:28 pm Operator: alit
Sample : M64162-2 Inst : MAMSN
Misc : ms13438,msn684,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 27 16:58 2007 Quant Results File: N042007W.RES

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Apr 25 10:27:30 2007
Response via : Initial Calibration



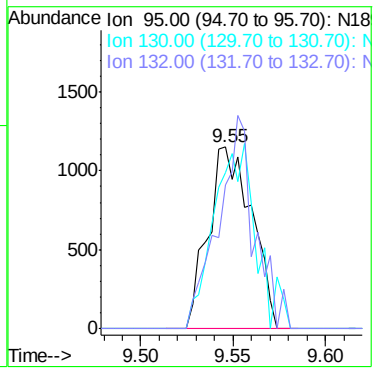

N18915.D N042007W.M Sat Apr 28 10:48:12 2007 RP1 Page 2

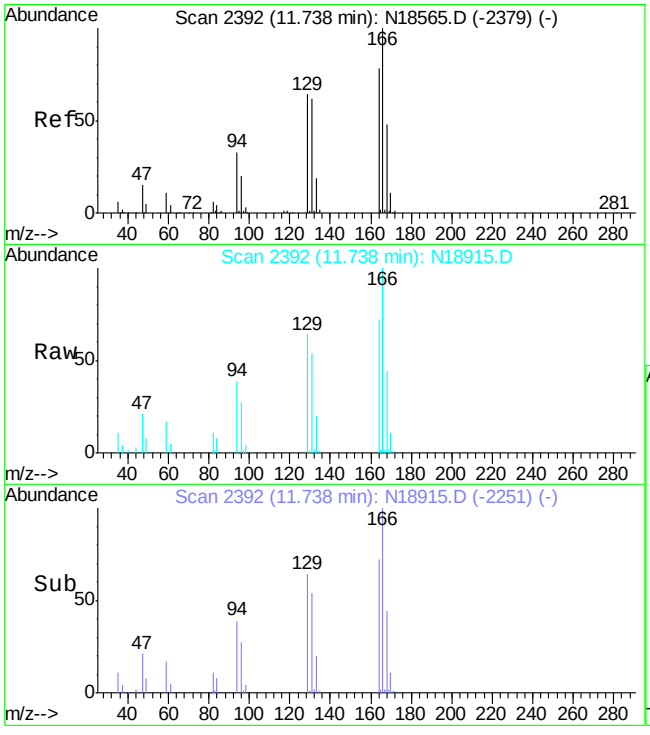



#51
trichloroethene
Concen: 2.01 ug/L
RT: 9.55 min Scan# 1772
Delta R.T. -0.00 min
Lab File: N18915.D
Acq: 27 Apr 2007 1:28 pm

Tgt Ion: 95 Resp: 1889

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 130 | 85.8 | 75.7 | 135.7 |
| 132 | 79.1 | 69.5 | 129.5 |

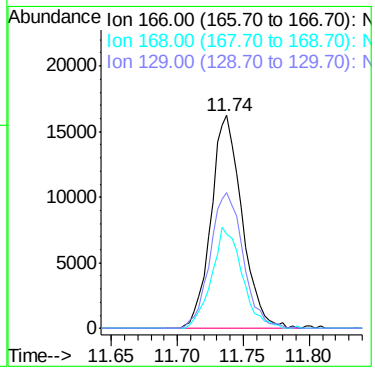



#67
tetrachloroethene
Concen: 20.34 ug/L
RT: 11.74 min Scan# 2392
Delta R.T. -0.00 min
Lab File: N18915.D
Acq: 27 Apr 2007 1:28 pm

Tgt Ion:166 Resp: 26434

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 168 | 44.3 | 16.3 | 76.3 |
| 129 | 63.6 | 33.0 | 93.0 |



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p17213.D
Acq On : 26 Apr 2007 5:56 pm
Operator : amym
Sample : m64162-3,1:5
Misc : ms13438,msp589,,,,5,5
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Apr 27 11:11:13 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 25 09:57:54 2007
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 6.610 | 65 | 67818 | 500.00 | ug/L | 0.02 |
| 3) pentafluorobenzene | 9.003 | 168 | 102624 | 50.00 | ug/L | 0.00 |
| 42) 1,4-difluorobenzene | 9.877 | 114 | 173963 | 50.00 | ug/L | 0.00 |
| 65) chlorobenzene-d5 | 13.131 | 82 | 121325 | 50.00 | ug/L | 0.00 |
| 79) 1,4-dichlorobenzene-d4 | 15.693 | 152 | 84728 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 39) dibromofluoromethane (s) | 8.645 | 113 | 64097 | 54.55 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 85 - 129 | | Recovery = 109.10% | | | |
| 59) toluene-d8 (s) | 11.673 | 98 | 226785 | 51.61 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 103.22% | | | |
| 81) bromofluorobenzene (s) | 14.357 | 95 | 101469 | 49.23 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 119 | | Recovery = 98.46% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 15) 1,1-dichloroethene | 6.649 | 96 | 3243 | 1.60 | ug/L # | 33 |
| 32) 1,1-dichloroethane | 7.749 | 63 | 4114 | 1.58 | ug/L | 76 |
| 50) trichloroethene | 10.295 | 95 | 16562 | 11.75 | ug/L | 78 |
| 66) tetrachloroethene | 12.483 | 166 | 380292 | 301.28 | ug/L | 90 |

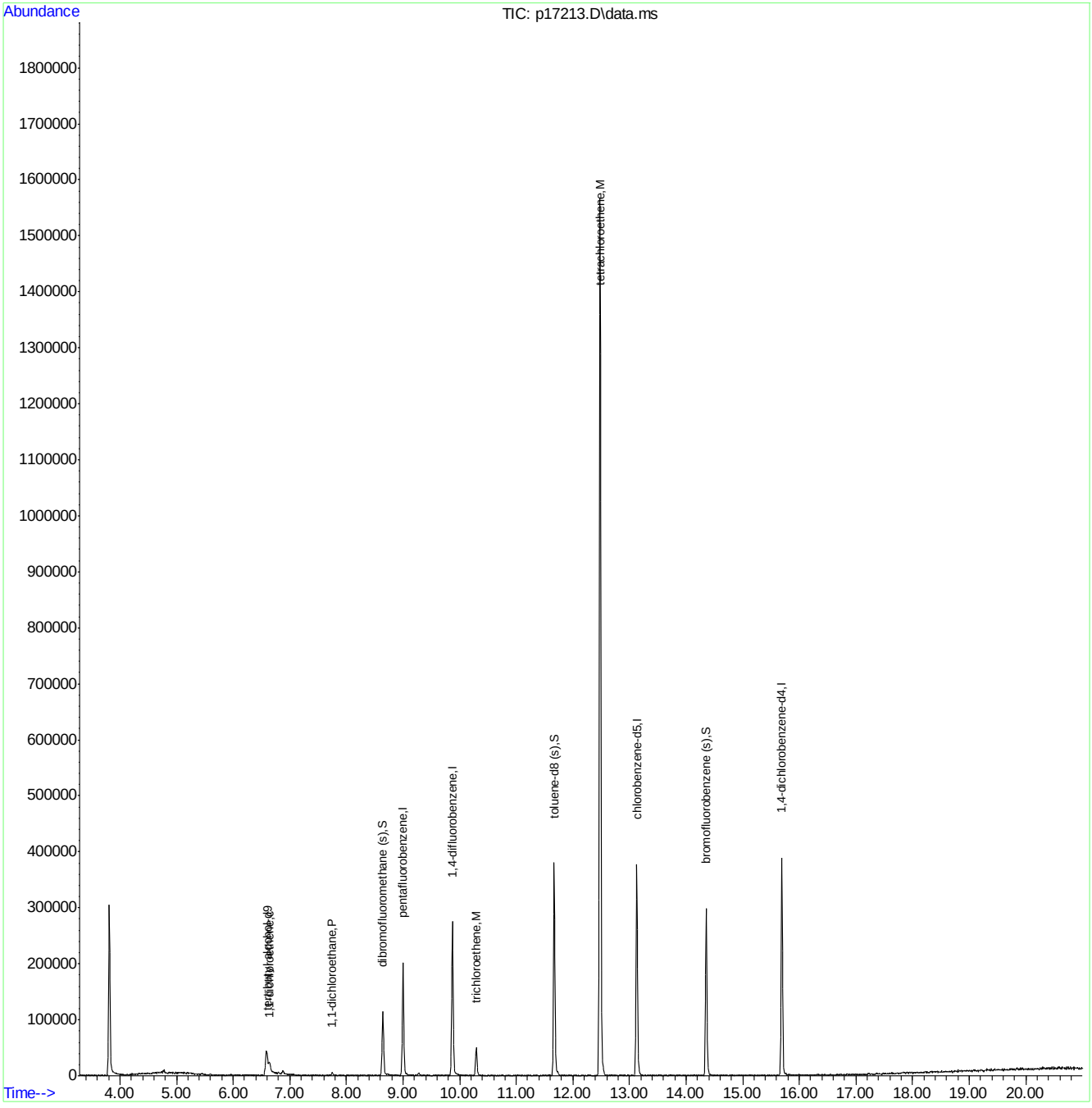
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p17213.D
Acq On : 26 Apr 2007 5:56 pm
Operator : amym
Sample : m64162-3,1:5
Misc : ms13438,msp589,,,,5,5
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Apr 27 11:11:13 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 25 09:57:54 2007
Response via : Initial Calibration

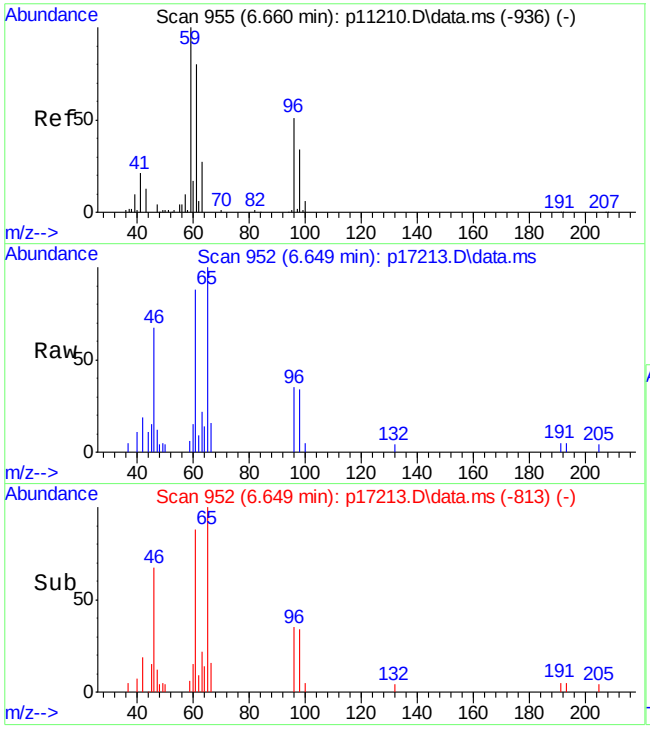





P041707w.M Fri Apr 27 11:11:26 2007 RP



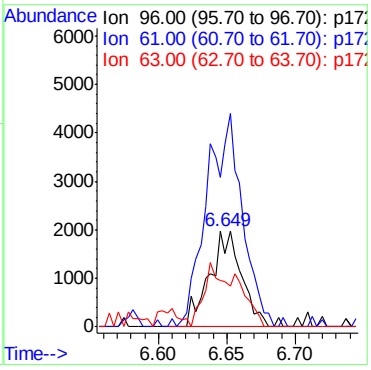
ACCUTEST Laboratories
M64162

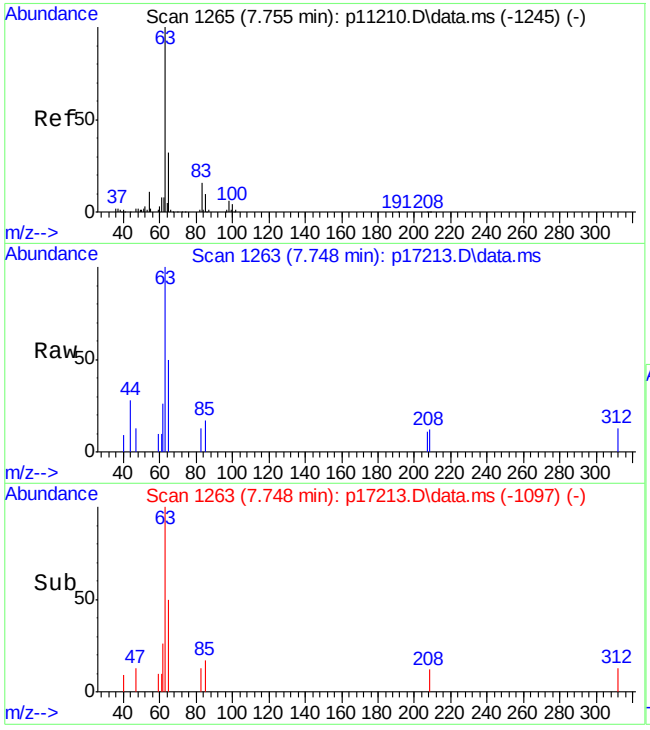



#15
1,1-dichloroethene
Concen: 1.60 ug/L
RT: 6.649 min Scan# 952
Delta R.T. -0.007 min
Lab File: p17213.D
Acq: 26 Apr 2007 5:56 pm

Tgt Ion: 96 Resp: 3243

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 249.5 | 116.4 | 176.4# |
| 63 | 62.0 | 19.0 | 79.0 |

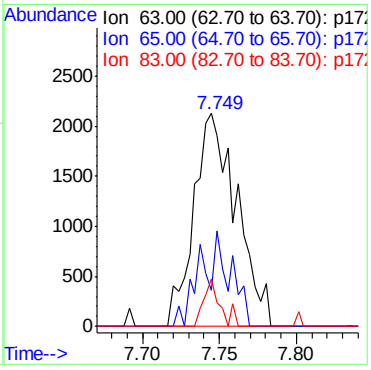


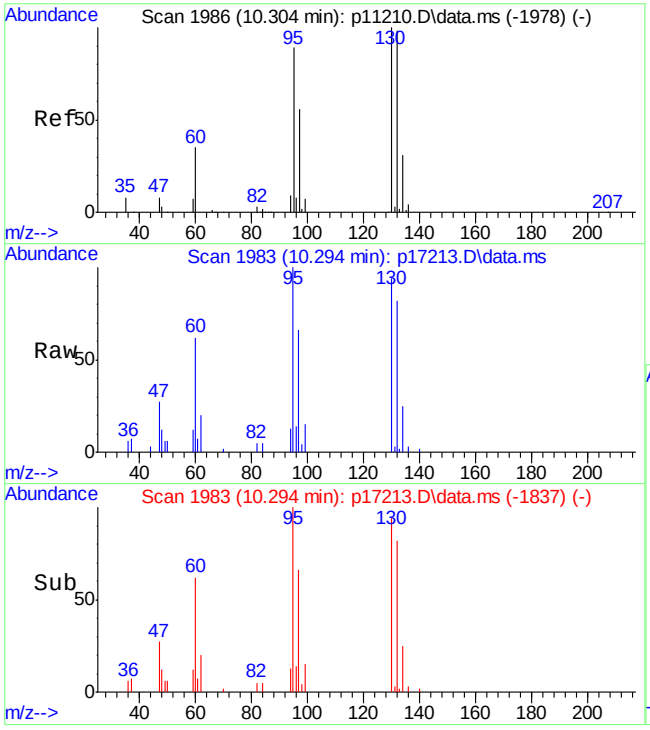




#32
1,1-dichloroethane
Concen: 1.58 ug/L
RT: 7.749 min Scan# 1263
Delta R.T. -0.003 min
Lab File: p17213.D
Acq: 26 Apr 2007 5:56 pm

Tgt Ion: 63 Resp: 4114

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 50.1 | 1.9 | 61.9 |
| 83 | 12.6 | 0.0 | 44.9 |

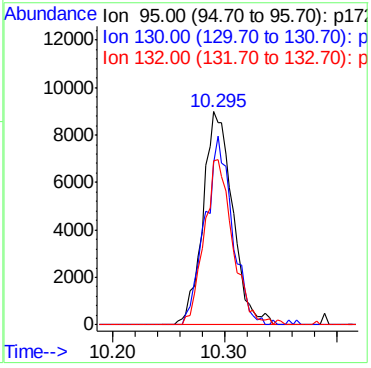


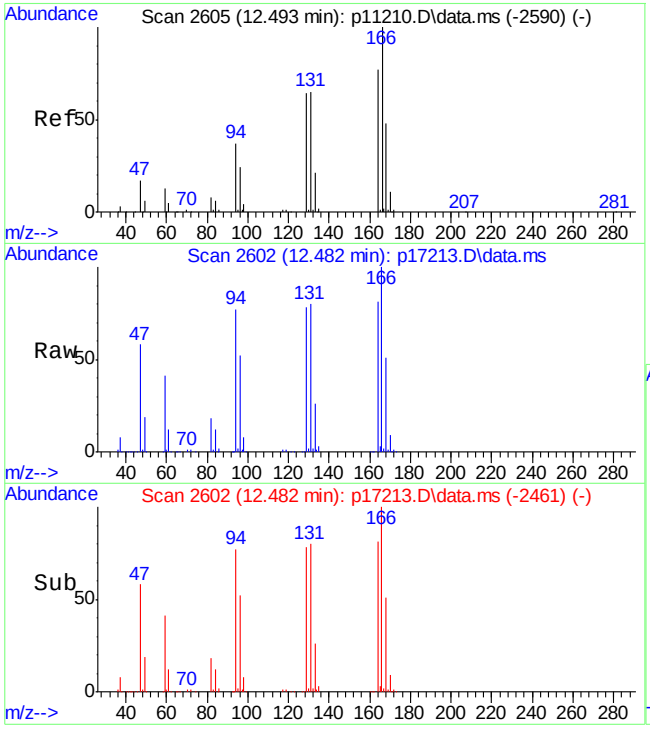



#50
trichloroethene
Concen: 11.75 ug/L
RT: 10.295 min Scan# 1983
Delta R.T. -0.001 min
Lab File: p17213.D
Acq: 26 Apr 2007 5:56 pm

Tgt Ion: 95 Resp: 16562

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 130 | 93.7 | 81.4 | 141.4 |
| 132 | 81.8 | 80.8 | 140.8 |

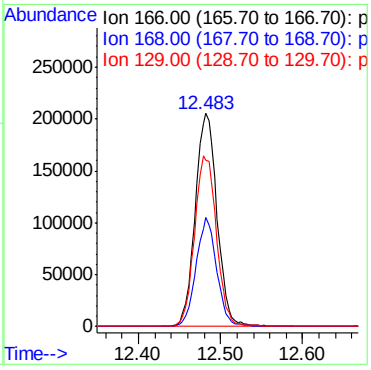



#66
tetrachloroethene
Concen: 301.28 ug/L
RT: 12.483 min Scan# 2602
Delta R.T. -0.000 min
Lab File: p17213.D
Acq: 26 Apr 2007 5:56 pm

Tgt Ion:166 Resp: 380292

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 168 | 51.0 | 17.7 | 77.7 |
| 129 | 77.9 | 36.7 | 96.7 |



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p17214.D
Acq On : 26 Apr 2007 6:24 pm
Operator : amym
Sample : m64162-4
Misc : ms13438,msp589,,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Apr 27 11:12:39 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 25 09:57:54 2007
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 6.612 | 65 | 57653 | 500.00 | ug/L | 0.02 |
| 3) pentafluorobenzene | 9.003 | 168 | 104453 | 50.00 | ug/L | 0.00 |
| 42) 1,4-difluorobenzene | 9.876 | 114 | 176906 | 50.00 | ug/L | 0.00 |
| 65) chlorobenzene-d5 | 13.132 | 82 | 118624 | 50.00 | ug/L | 0.00 |
| 79) 1,4-dichlorobenzene-d4 | 15.692 | 152 | 84117 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 39) dibromofluoromethane (s) | 8.648 | 113 | 65581 | 54.83 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 85 - 129 | | Recovery = 109.66% | | | |
| 59) toluene-d8 (s) | 11.674 | 98 | 229029 | 51.25 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 102.50% | | | |
| 81) bromofluorobenzene (s) | 14.358 | 95 | 101087 | 49.40 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 119 | | Recovery = 98.80% | | | |
| Target Compounds | | | | | | Qvalue |
| 7) vinyl chloride | 4.741 | 62 | 65482 | 40.37 | ug/L | 91 |
| 9) chloroethane | 5.411 | 64 | 4533 | 4.70 | ug/L | 72 |
| 15) 1,1-dichloroethene | 6.649 | 96 | 12008 | 9.98 | ug/L # | 25 |
| 19) methyl tert butyl ether | 7.590 | 73 | 2995 | 0.93 | ug/L | 97 |
| 22) trans-1,2-dichloroethene | 7.501 | 96 | 4229 | 3.57 | ug/L # | 1 |
| 32) 1,1-dichloroethane | 7.748 | 63 | 124020 | 46.80 | ug/L | 91 |
| 36) cis-1,2-dichloroethene | 8.324 | 96 | 339937 | 249.94 | ug/L # | 55 |
| 41) 1,1,1-trichloroethane | 9.275 | 97 | 19813 | 5.57 | ug/L | 83 |
| 50) trichloroethene | 10.296 | 95 | 73641 | 51.37 | ug/L | 76 |
| 66) tetrachloroethene | 12.483 | 166 | 48825 | 39.56 | ug/L | 97 |

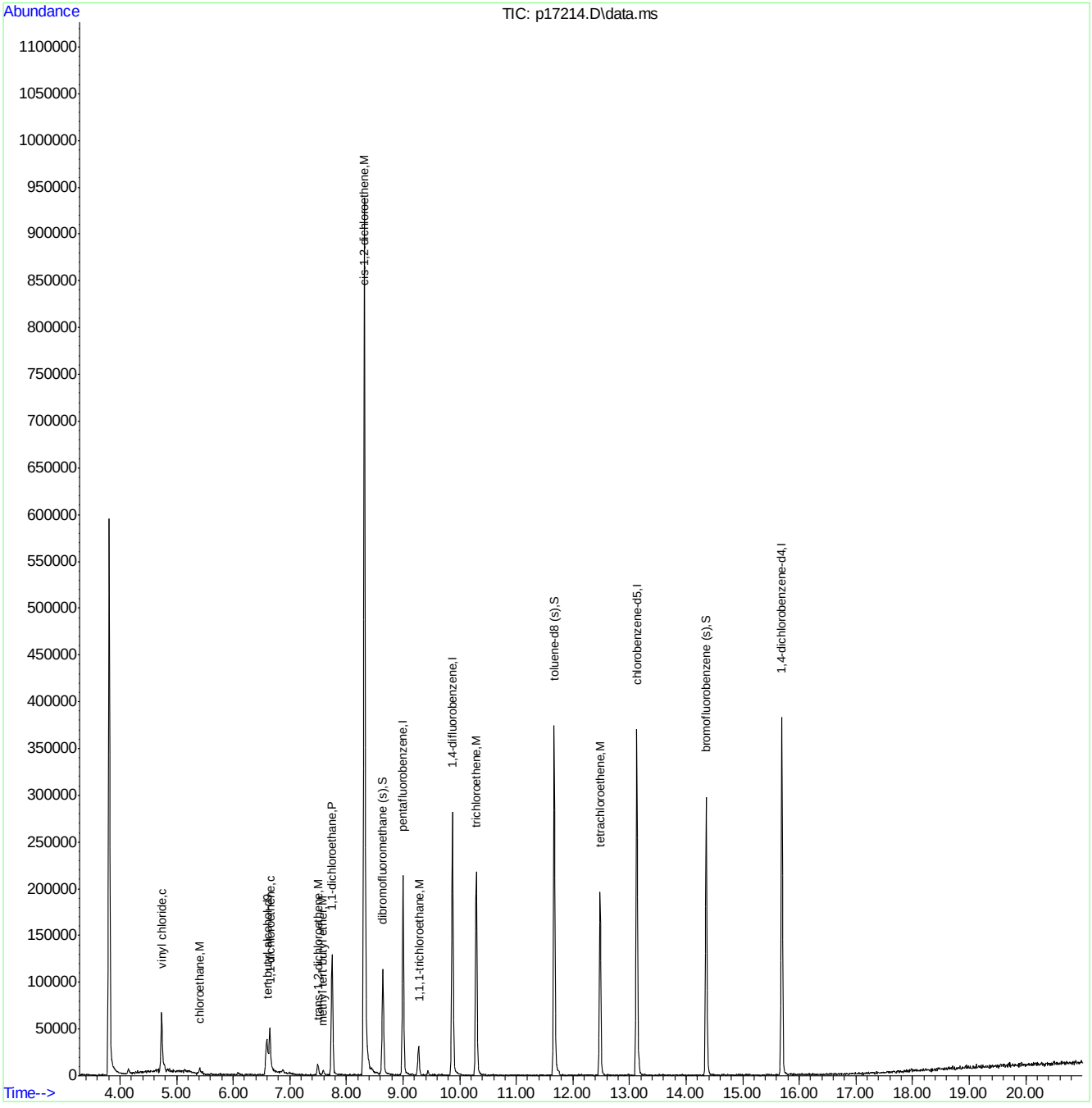
(#) = qualifier out of range (m) = manual integration (+) = signals summed

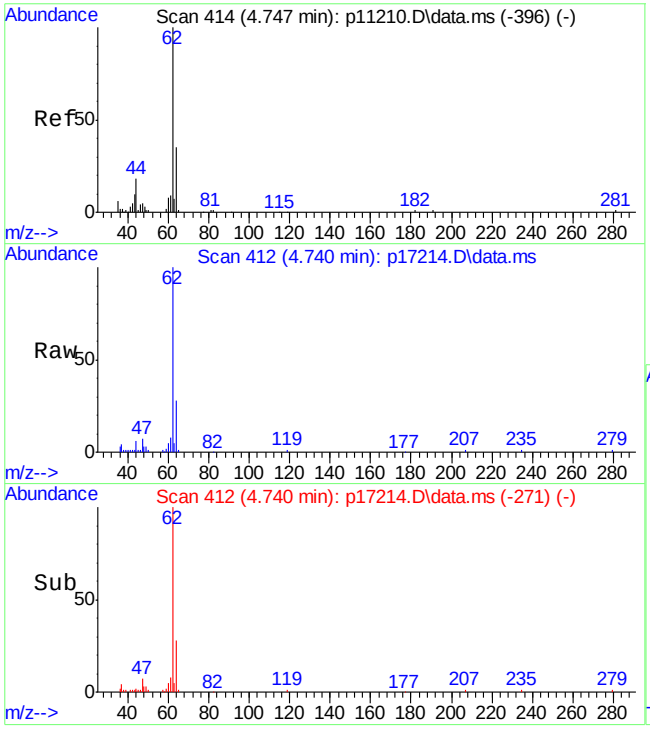
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p17214.D
Acq On : 26 Apr 2007 6:24 pm
Operator : amym
Sample : m64162-4
Misc : ms13438,msp589,,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Apr 27 11:12:39 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 25 09:57:54 2007
Response via : Initial Calibration



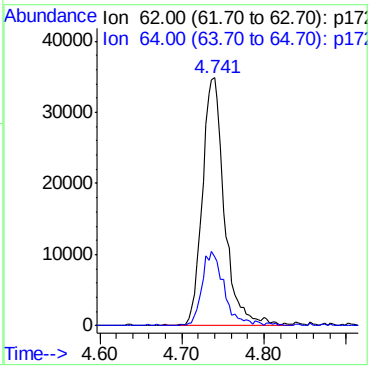


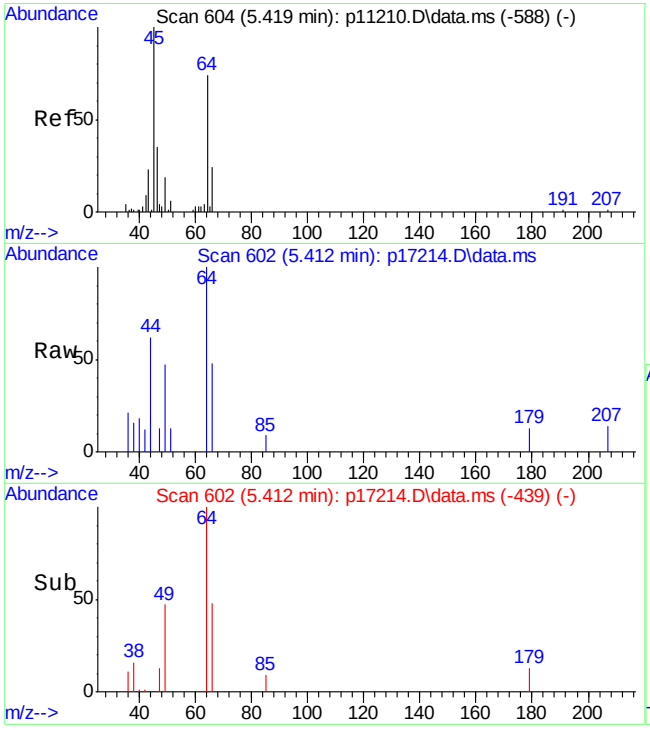



#7
vinyl chloride
Concen: 40.37 ug/L
RT: 4.741 min Scan# 412
Delta R.T. 0.001 min
Lab File: p17214.D
Acq: 26 Apr 2007 6:24 pm

Tgt Ion: 62 Resp: 65482

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 27.8 | 2.7 | 62.7 |

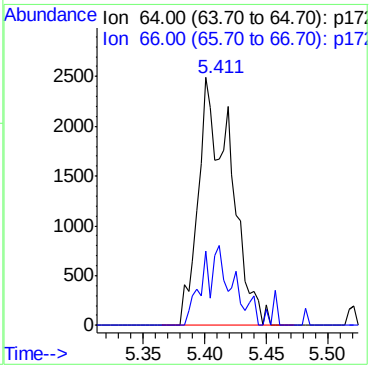


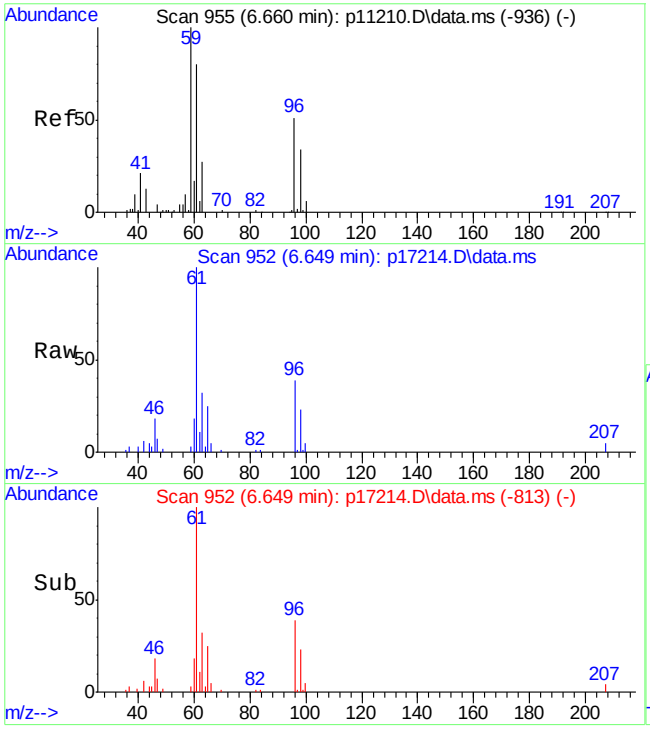




#9
chloroethane
Concen: 4.70 ug/L
RT: 5.411 min Scan# 602
Delta R.T. -0.003 min
Lab File: p17214.D
Acq: 26 Apr 2007 6:24 pm

Tgt Ion: 64 Resp: 4533

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 48.1 | 2.5 | 62.5 |

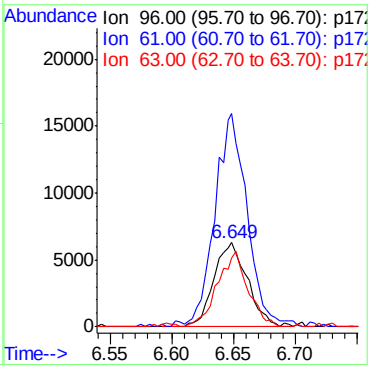


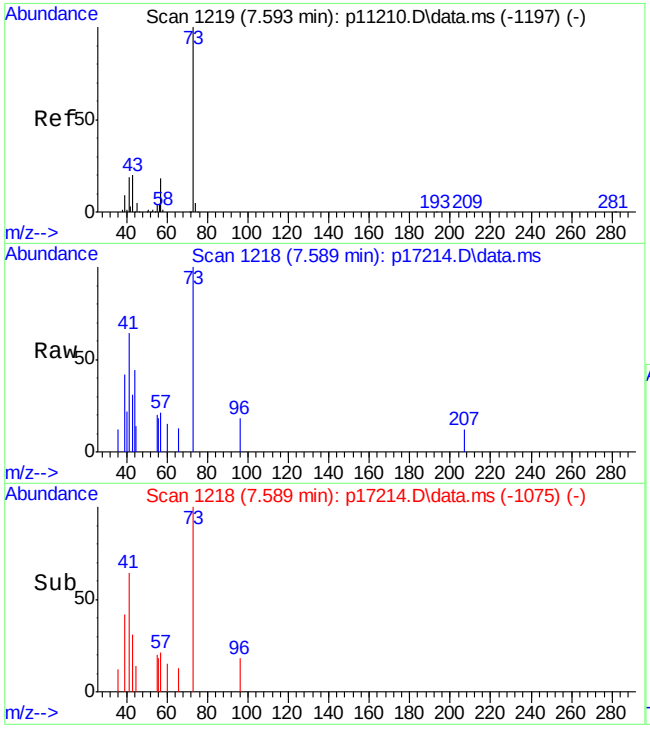



#15
1,1-dichloroethene
Concen: 9.98 ug/L
RT: 6.649 min Scan# 952
Delta R.T. -0.007 min
Lab File: p17214.D
Acq: 26 Apr 2007 6:24 pm

Tgt Ion: 96 Resp: 12008

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 251.1 | 116.4 | 176.4# |
| 63 | 81.6 | 19.0 | 79.0# |

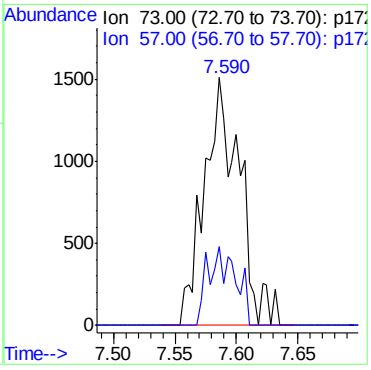


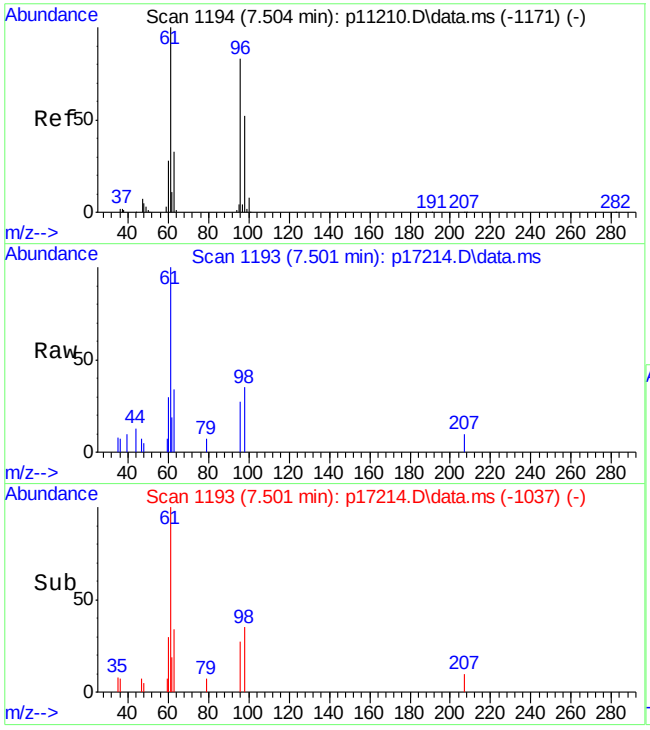




#19
methyl tert butyl ether
Concen: 0.93 ug/L
RT: 7.590 min Scan# 1218
Delta R.T. 0.005 min
Lab File: p17214.D
Acq: 26 Apr 2007 6:24 pm

Tgt Ion: 73 Resp: 2995

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 20.6 | 0.0 | 49.3 |

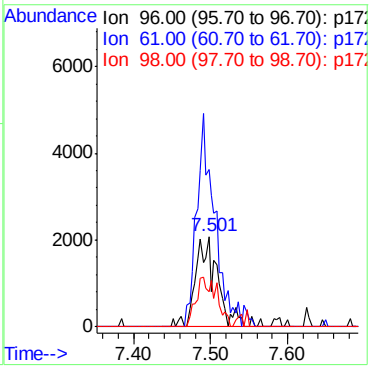


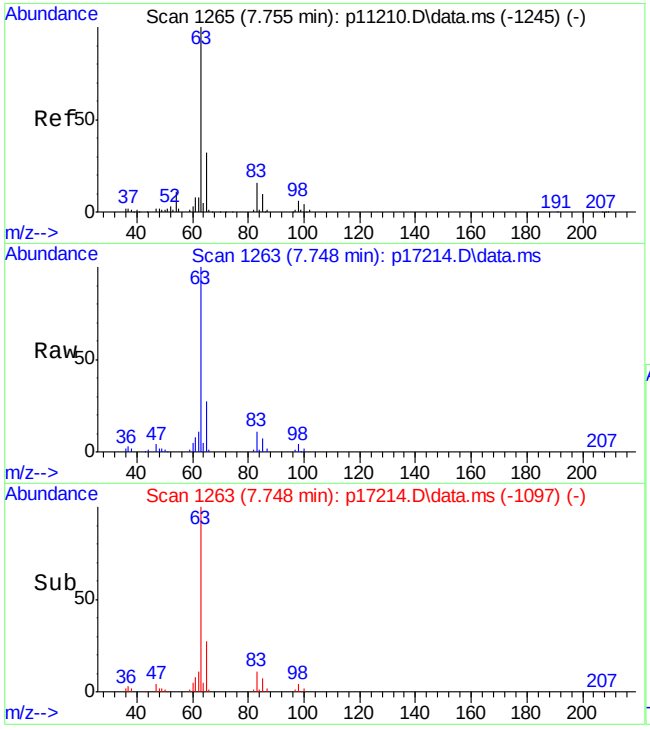



#22
trans-1,2-dichloroethene
Concen: 3.57 ug/L
RT: 7.501 min Scan# 1193
Delta R.T. 0.002 min
Lab File: p17214.D
Acq: 26 Apr 2007 6:24 pm

Tgt Ion: 96 Resp: 4229

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 371.7 | 93.9 | 153.9# |
| 98 | 131.9 | 34.4 | 94.4# |

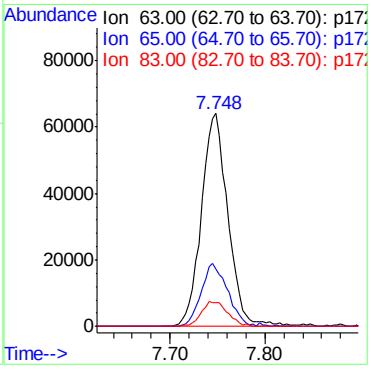


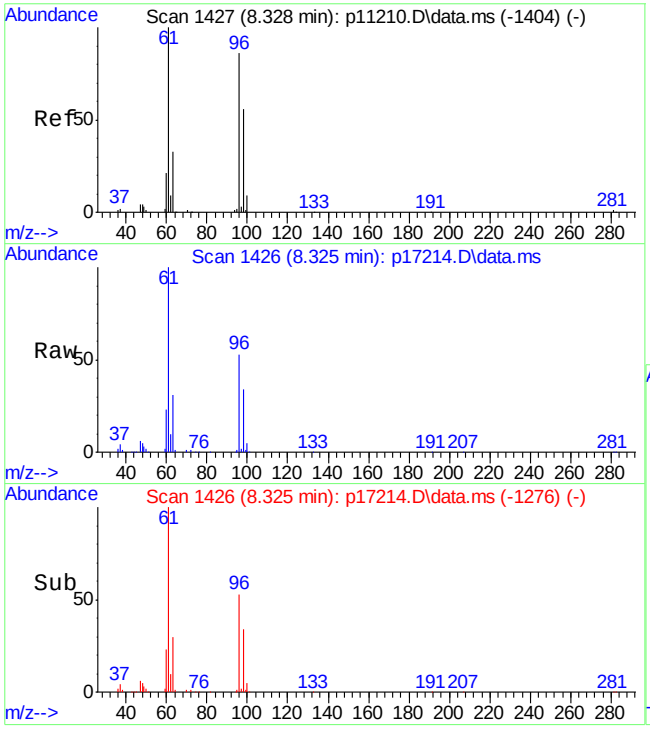




#32
1,1-dichloroethane
Concen: 46.80 ug/L
RT: 7.748 min Scan# 1263
Delta R.T. -0.003 min
Lab File: p17214.D
Acq: 26 Apr 2007 6:24 pm

Tgt Ion: 63 Resp: 124020

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 26.8 | 1.9 | 61.9 |
| 83 | 11.3 | 0.0 | 44.9 |

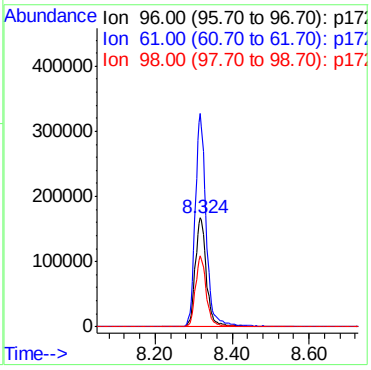


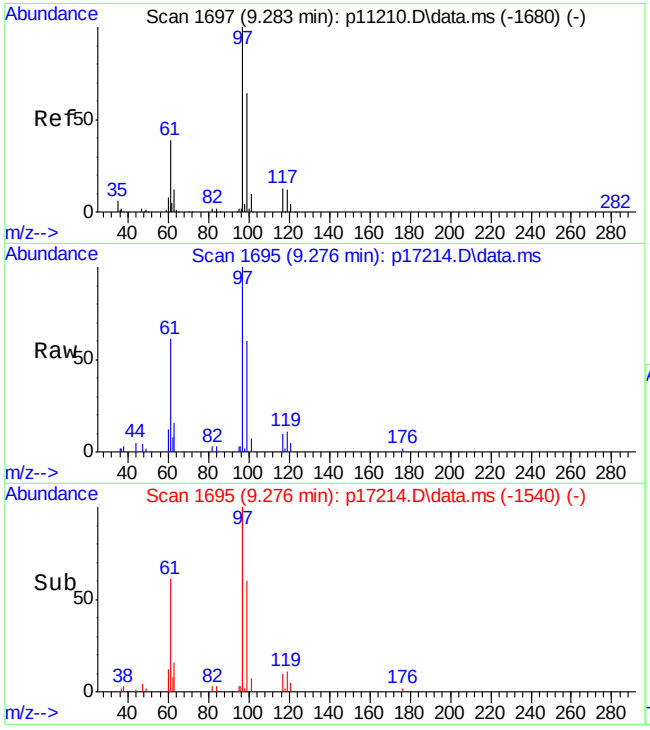



#36
cis-1,2-dichloroethene
Concen: 249.94 ug/L
RT: 8.324 min Scan# 1426
Delta R.T. -0.001 min
Lab File: p17214.D
Acq: 26 Apr 2007 6:24 pm

Tgt Ion: 96 Resp: 339937

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 190.0 | 83.9 | 143.9# |
| 98 | 65.2 | 35.0 | 95.0 |

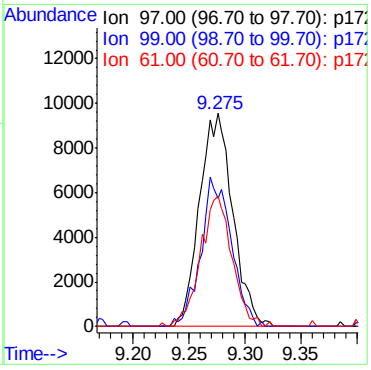


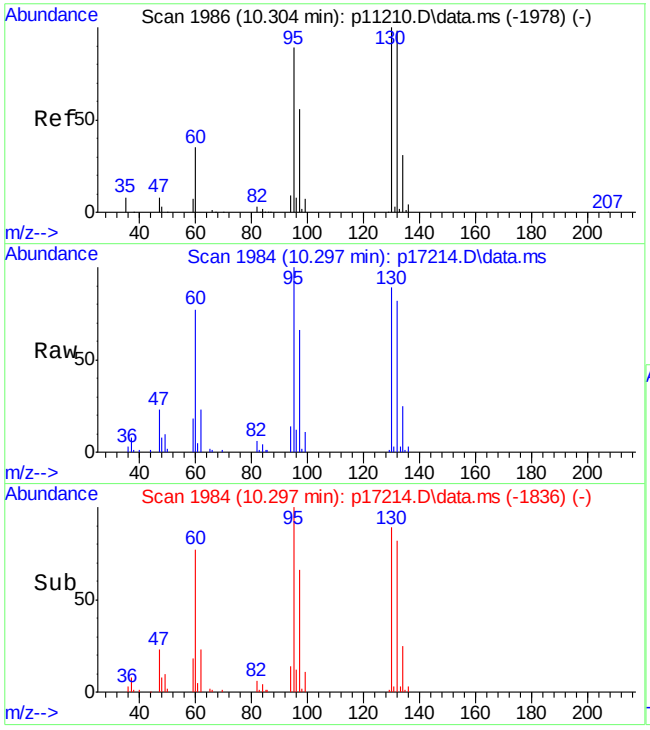




#41
1,1,1-trichloroethane
Concen: 5.57 ug/L
RT: 9.275 min Scan# 1695
Delta R.T. -0.001 min
Lab File: p17214.D
Acq: 26 Apr 2007 6:24 pm

Tgt Ion: 97 Resp: 19813

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 60.3 | 33.8 | 93.8 |
| 61 | 61.0 | 8.0 | 68.0 |

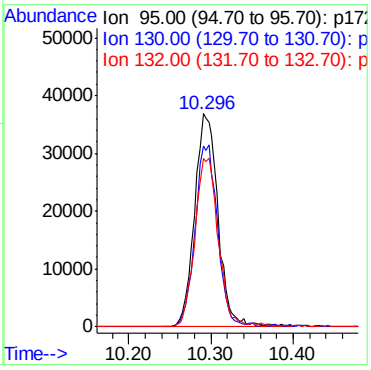


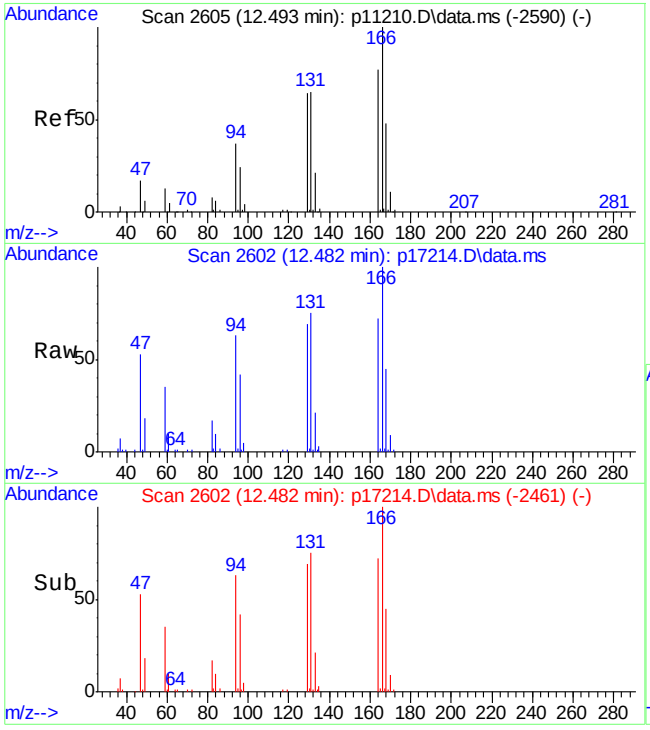



#50
trichloroethene
Concen: 51.37 ug/L
RT: 10.296 min Scan# 1984
Delta R.T. 0.000 min
Lab File: p17214.D
Acq: 26 Apr 2007 6:24 pm

Tgt Ion: 95 Resp: 73641

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 130 | 88.5 | 81.4 | 141.4 |
| 132 | 82.1 | 80.8 | 140.8 |

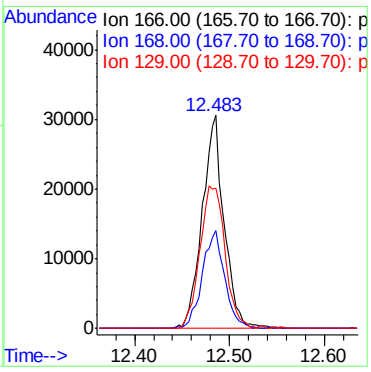



#66
tetrachloroethene
Concen: 39.56 ug/L
RT: 12.483 min Scan# 2602
Delta R.T. -0.000 min
Lab File: p17214.D
Acq: 26 Apr 2007 6:24 pm

Tgt Ion:166 Resp: 48825

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 168 | 45.1 | 17.7 | 77.7 |
| 129 | 69.1 | 36.7 | 96.7 |



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69236.D Vial: 7
Acq On : 27 Apr 2007 10:03 pm Operator: kimt
Sample : M64162-5 Inst : 5973 G
Misc : MS13447,MSG2784,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 10:25 2007 Quant Results File: G042507W.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration
DataAcq Meth : G8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 6.52 | 65 | 96583 | 500.00 | ppb | 0.10 |
| 3) pentafluorobenzene | 8.74 | 168 | 480191 | 50.00 | ppb | 0.00 |
| 43) 1,4-difluorobenzene | 9.61 | 114 | 673696 | 50.00 | ppb | 0.00 |
| 66) chlorobenzene-d5 | 12.86 | 82 | 338753 | 50.00 | ppb | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 15.42 | 152 | 385902 | 50.00 | ppb | 0.00 |

System Monitoring Compounds

| | | | | | | |
|---|---|---|---|---|---|---|
| 40) dibromofluoromethane (s) | 8.38 | 113 | 209734 | 50.46 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 83 - 127 | | Recovery = 100.92% | | | |
| 60) toluene-d8 (s) | 11.40 | 98 | 809891 | 49.43 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 89 - 112 | | Recovery = 98.86% | | | |
| 82) bromofluorobenzene (s) | 14.09 | 95 | 317918 | 50.19 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 81 - 119 | | Recovery = 100.38% | | | |

Target Compounds

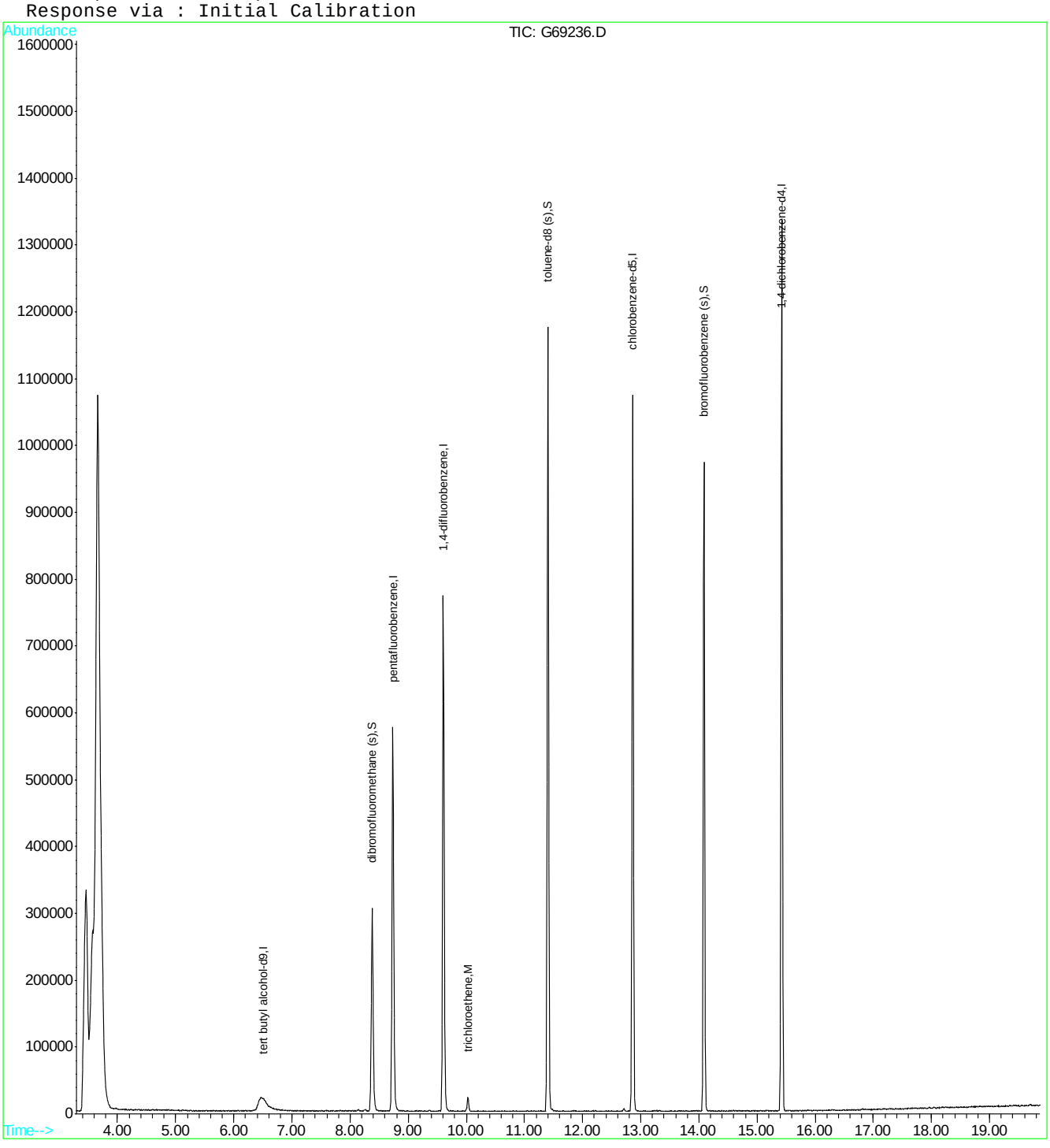
| | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 51) trichloroethene | 10.03 | 95 | 7267 | 1.55 | ppb | 87 |

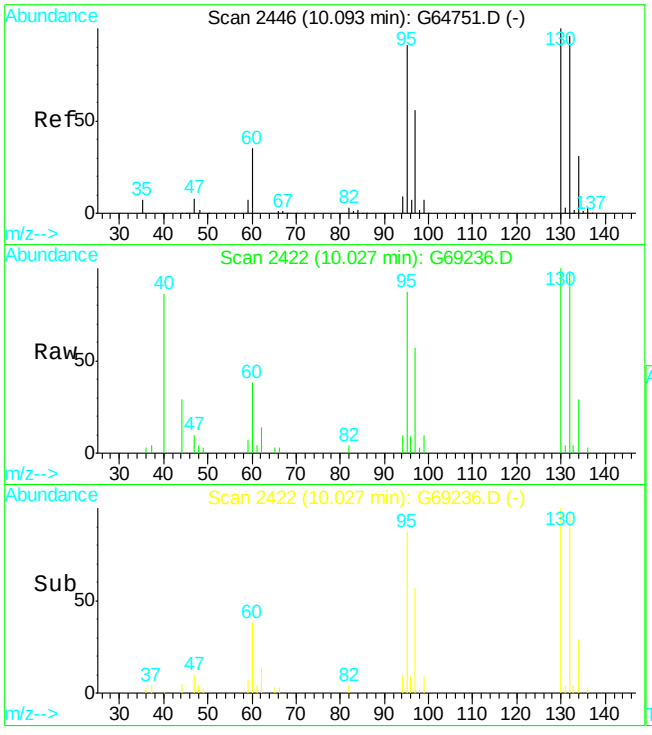
(#) = qualifier out of range (m) = manual integration
G69236.D G042507W.M Mon Apr 30 10:25:58 2007 RP1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\G69236.D  Vial: 7
Acq On : 27 Apr 2007 10:03 pm  Operator: kimt
Sample : M64162-5  Inst : 5973 G
Misc : MS13447,MSG2784,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 10:25 2007  Quant Results File: G042507W.RES

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration

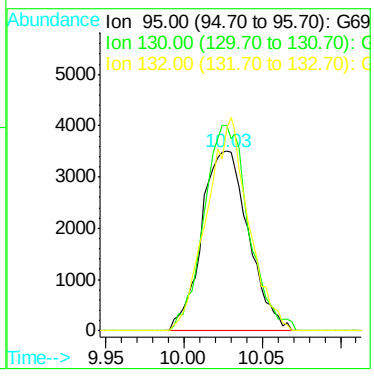





#51
trichloroethene
Concen: 1.55 ppb
RT: 10.03 min Scan# 2422
Delta R.T. -0.00 min
Lab File: G69236.D
Acq: 27 Apr 2007 10:03 pm

Tgt Ion: 95 Resp: 7267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 130 | 114.4 | 70.8 | 130.8 |
| 132 | 112.4 | 69.6 | 129.6 |



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18916.D Vial: 25
Acq On : 27 Apr 2007 1:57 pm Operator: alit
Sample : M64162-6 Inst : MAMSN
Misc : ms13438,msn684,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 27 16:59:01 2007 Quant Results File: N042007W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Apr 25 10:27:30 2007
Response via : Initial Calibration
DataAcq Meth : N8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 5.86 | 65 | 62770 | 500.00 | ug/L | 0.00 |
| 3) pentafluorobenzene | 8.27 | 168 | 95823 | 50.00 | ug/L | 0.00 |
| 43) 1,4-difluorobenzene | 9.14 | 114 | 137295 | 50.00 | ug/L | 0.00 |
| 66) chlorobenzene-d5 | 12.38 | 82 | 75375 | 50.00 | ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 14.94 | 152 | 83675 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 40) dibromofluoromethane (s) | 7.90 | 113 | 54340 | 59.72 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 84 - 129 | | Recovery = 119.44% | | | |
| 60) toluene-d8 (s) | 10.93 | 98 | 177961 | 51.62 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 103.24% | | | |
| 82) bromofluorobenzene (s) | 13.61 | 95 | 71218 | 53.83 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 82 - 118 | | Recovery = 107.66% | | | |

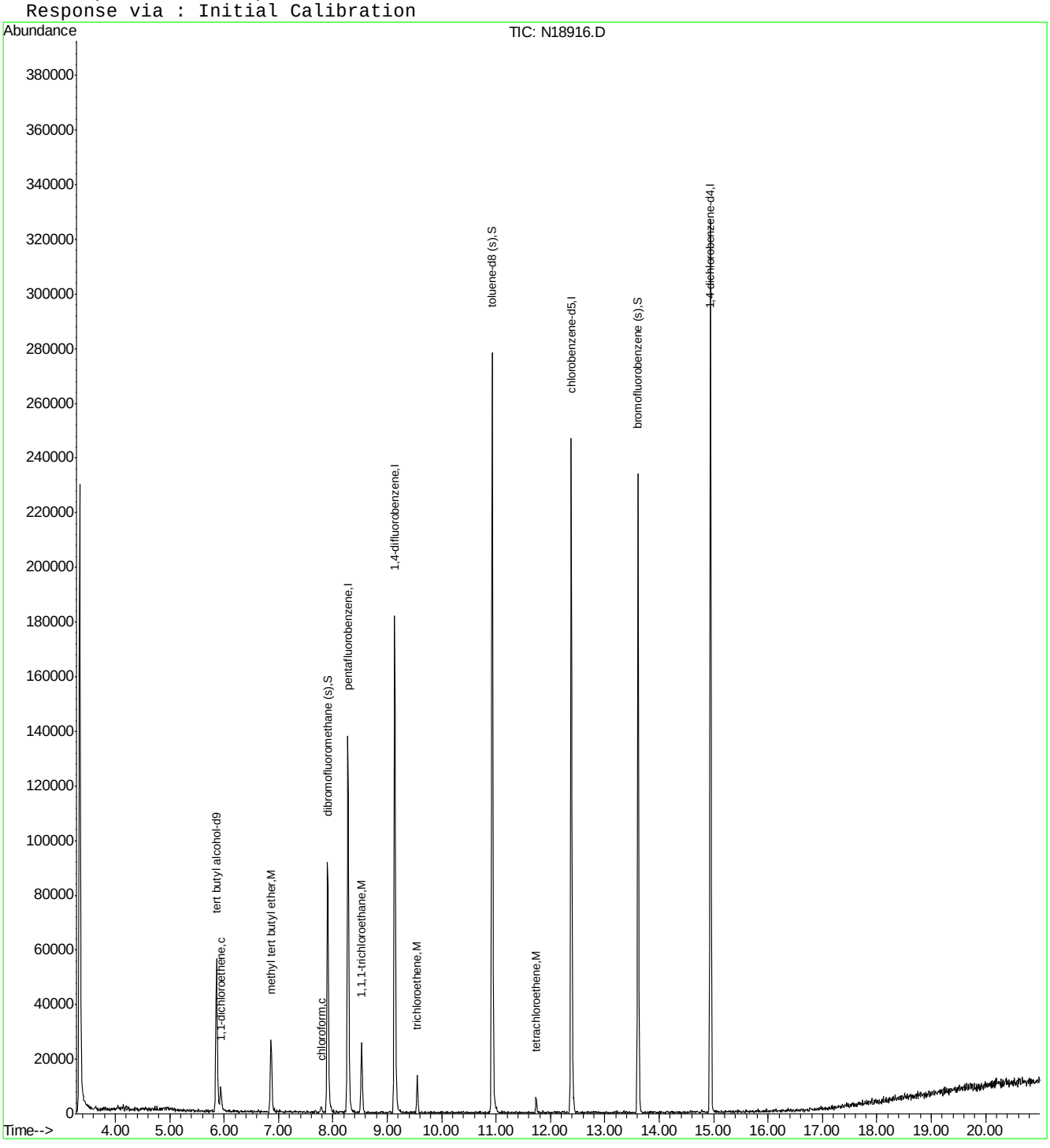
| Target Compounds | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 15) 1,1-dichloroethene | 5.94 | 96 | 3493 | 6.25 | ug/L # | 76 |
| 19) methyl tert butyl ether | 6.86 | 73 | 24530 | 12.13 | ug/L | 84 |
| 39) chloroform | 7.79 | 83 | 1708 | 1.23 | ug/L | 89 |
| 42) 1,1,1-trichloroethane | 8.53 | 97 | 16312 | 15.40 | ug/L | 97 |
| 51) trichloroethene | 9.55 | 95 | 4238 | 4.75 | ug/L | 86 |
| 67) tetrachloroethene | 11.73 | 166 | 1471 | 1.18 | ug/L | 84 |

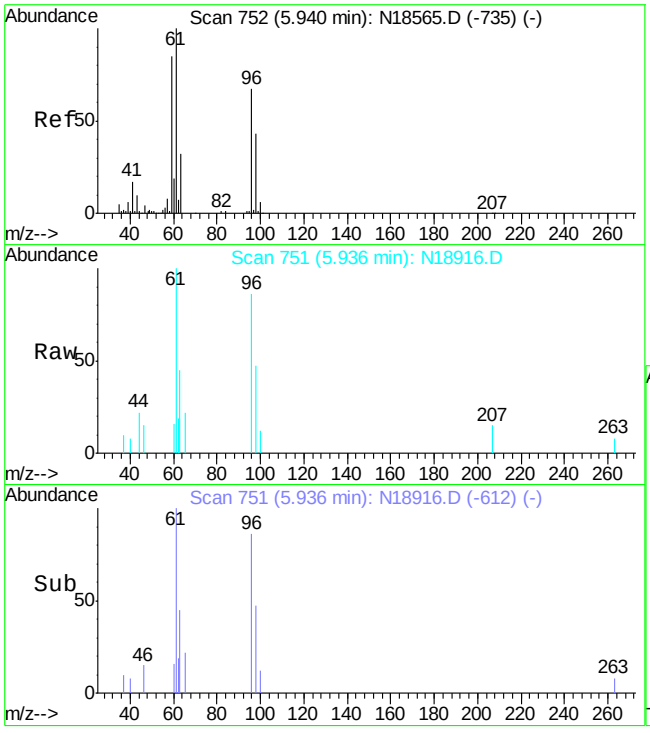
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18916.D Vial: 25
Acq On : 27 Apr 2007 1:57 pm Operator: alit
Sample : M64162-6 Inst : MAMSN
Misc : ms13438,msn684,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 27 16:59 2007 Quant Results File: N042007W.RES

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Apr 25 10:27:30 2007
Response via : Initial Calibration

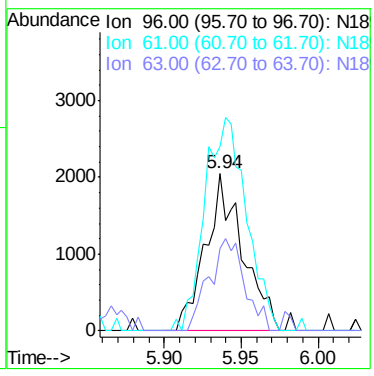


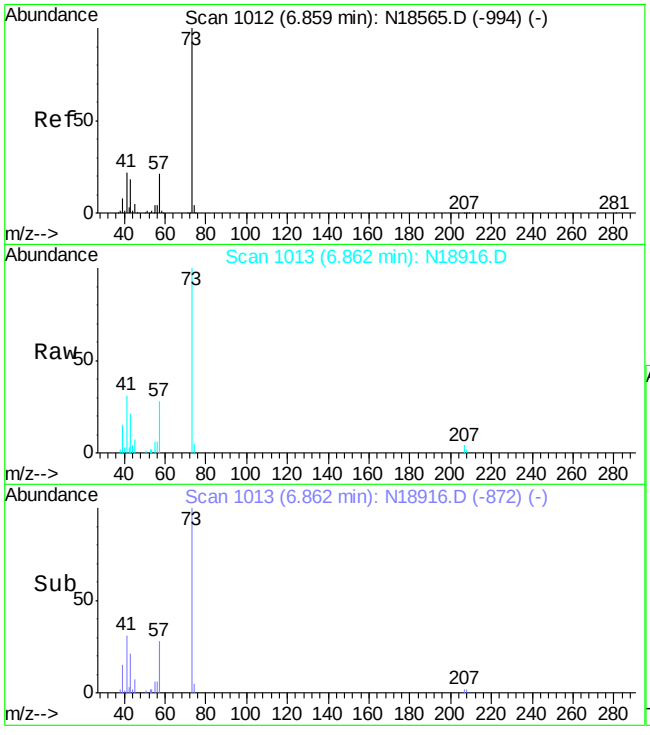



#15
1,1-dichloroethene
Concen: 6.25 ug/L
RT: 5.94 min Scan# 751
Delta R.T. -0.01 min
Lab File: N18916.D
Acq: 27 Apr 2007 1:57 pm

Tgt Ion: 96 Resp: 3493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 116.9 | 124.6 | 184.6# |
| 63 | 52.6 | 17.9 | 77.9 |

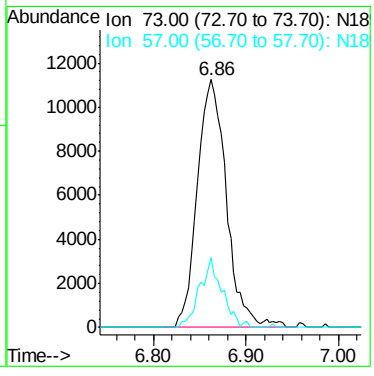


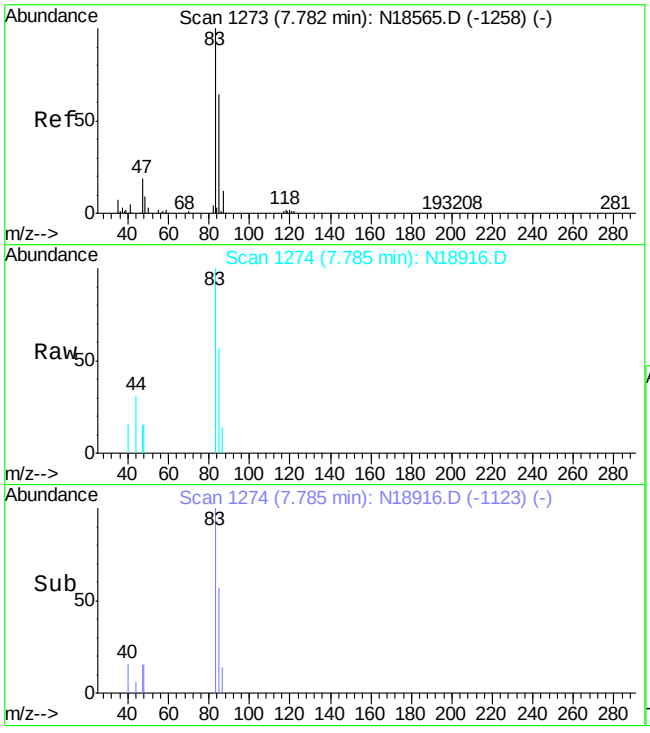




#19
methyl tert butyl ether
Concen: 12.13 ug/L
RT: 6.86 min Scan# 1013
Delta R.T. -0.00 min
Lab File: N18916.D
Acq: 27 Apr 2007 1:57 pm

Tgt Ion: 73 Resp: 24530

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 28.2 | 0.0 | 50.6 |

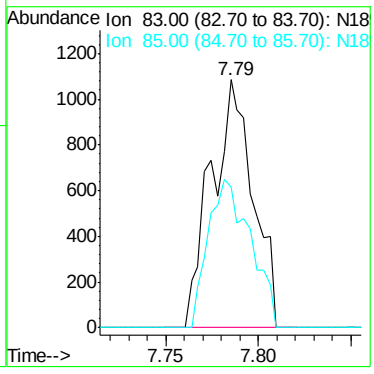


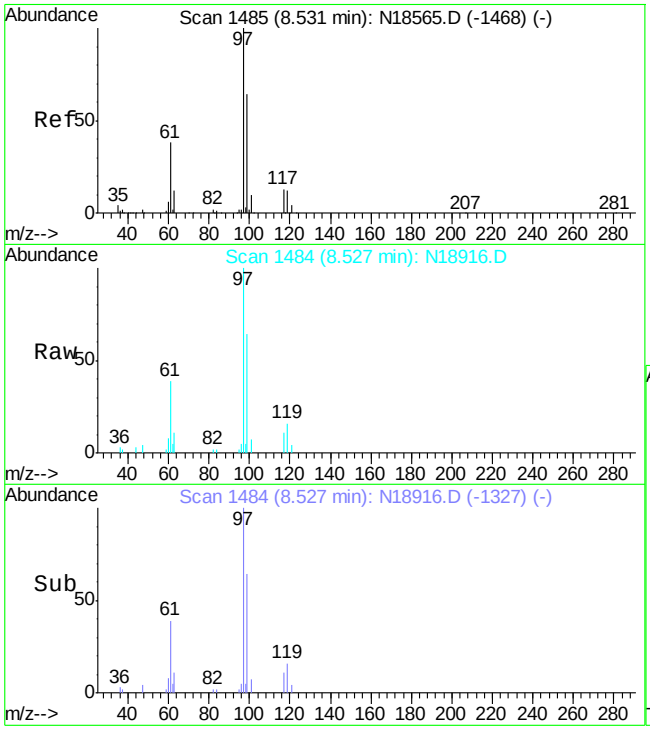



#39
chloroform
Concen: 1.23 ug/L
RT: 7.79 min Scan# 1274
Delta R.T. 0.00 min
Lab File: N18916.D
Acq: 27 Apr 2007 1:57 pm

Tgt Ion: 83 Resp: 1708

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 56.9 | 35.6 | 95.6 |

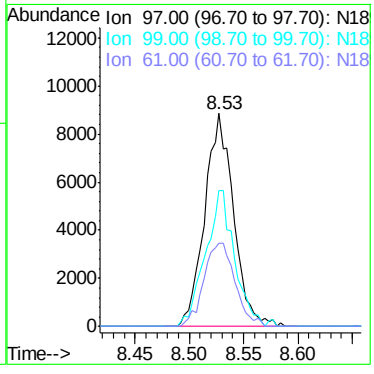


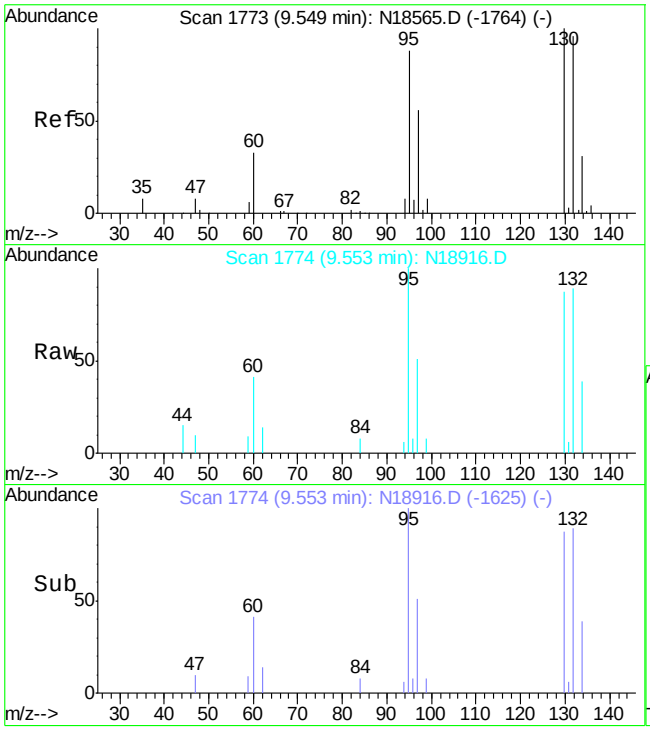




#42
1,1,1-trichloroethane
Concen: 15.40 ug/L
RT: 8.53 min Scan# 1484
Delta R.T. 0.00 min
Lab File: N18916.D
Acq: 27 Apr 2007 1:57 pm

Tgt Ion: 97 Resp: 16312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.9 | 32.2 | 92.2 |
| 61 | 38.9 | 10.8 | 70.8 |

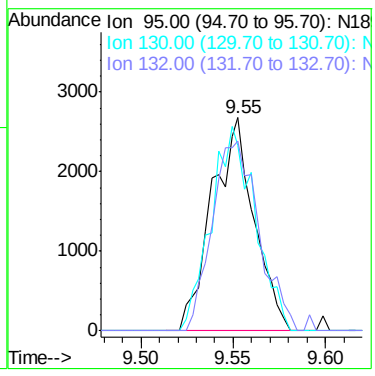


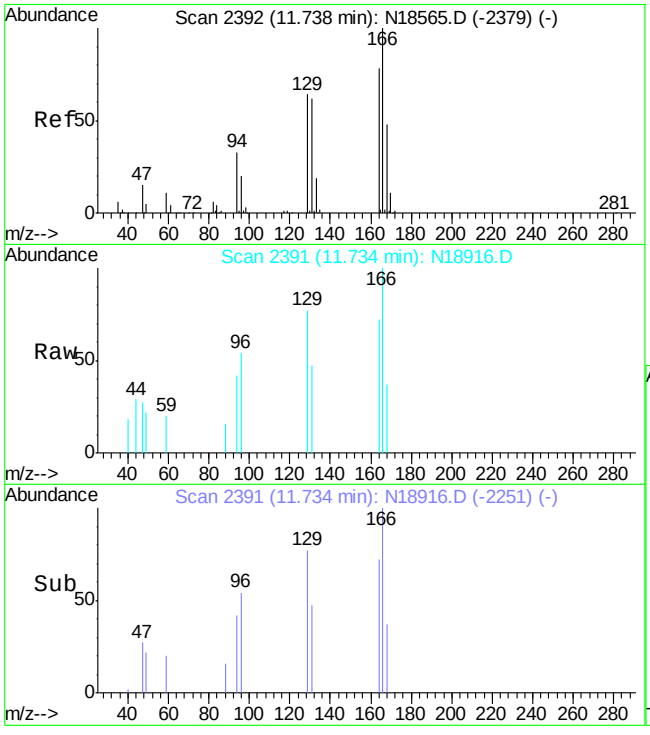



#51
trichloroethene
Concen: 4.75 ug/L
RT: 9.55 min Scan# 1774
Delta R.T. 0.01 min
Lab File: N18916.D
Acq: 27 Apr 2007 1:57 pm

Tgt Ion: 95 Resp: 4238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 130 | 87.1 | 75.7 | 135.7 |
| 132 | 88.8 | 69.5 | 129.5 |

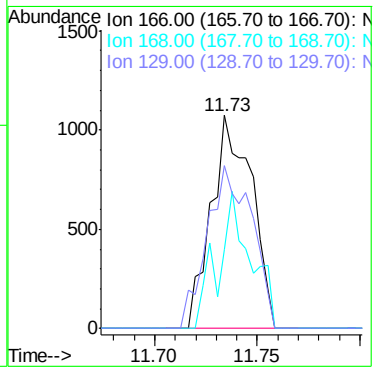



#67
tetrachloroethene
Concen: 1.18 ug/L
RT: 11.73 min Scan# 2391
Delta R.T. -0.00 min
Lab File: N18916.D
Acq: 27 Apr 2007 1:57 pm

Tgt Ion:166 Resp: 1471

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 168 | 37.1 | 16.3 | 76.3 |
| 129 | 76.6 | 33.0 | 93.0 |



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p17215.D
Acq On : 26 Apr 2007 6:52 pm
Operator : amym
Sample : m64162-6
Misc : ms13438,msp589,,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Apr 30 14:42:27 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 25 09:57:54 2007
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 6.619 | 65 | 51058 | 500.00 | ug/L | 0.03 |
| 3) pentafluorobenzene | 9.006 | 168 | 100169 | 50.00 | ug/L | 0.00 |
| 42) 1,4-difluorobenzene | 9.877 | 114 | 172393 | 50.00 | ug/L | 0.00 |
| 65) chlorobenzene-d5 | 13.132 | 82 | 111788 | 50.00 | ug/L | 0.00 |
| 79) 1,4-dichlorobenzene-d4 | 15.692 | 152 | 80674 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 39) dibromofluoromethane (s) | 8.646 | 113 | 60764 | 52.98 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 85 - 129 | | Recovery = 105.96% | | | |
| 59) toluene-d8 (s) | 11.674 | 98 | 224319 | 51.51 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 103.02% | | | |
| 81) bromofluorobenzene (s) | 14.358 | 95 | 98684 | 50.29 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 119 | | Recovery = 100.58% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 15) 1,1-dichloroethene | 6.652 | 96 | 9914 | 8.37 | ug/L # | 47 |
| 19) methyl tert butyl ether | 7.594 | 73 | 31114 | 10.07 | ug/L | 87 |
| 36) cis-1,2-dichloroethene | 8.323 | 96 | 1087 | 0.83 | ug/L # | 69 |
| 38) chloroform | 8.524 | 83 | 2231 | 0.89 | ug/L # | 53 |
| 41) 1,1,1-trichloroethane | 9.276 | 97 | 11659 | 1.47 | ug/L | 74 |
| 50) trichloroethene | 10.297 | 95 | 9262 | 6.63 | ug/L # | 61 |
| 66) tetrachloroethene | 12.483 | 166 | 11653 | 10.02 | ug/L | 93 |

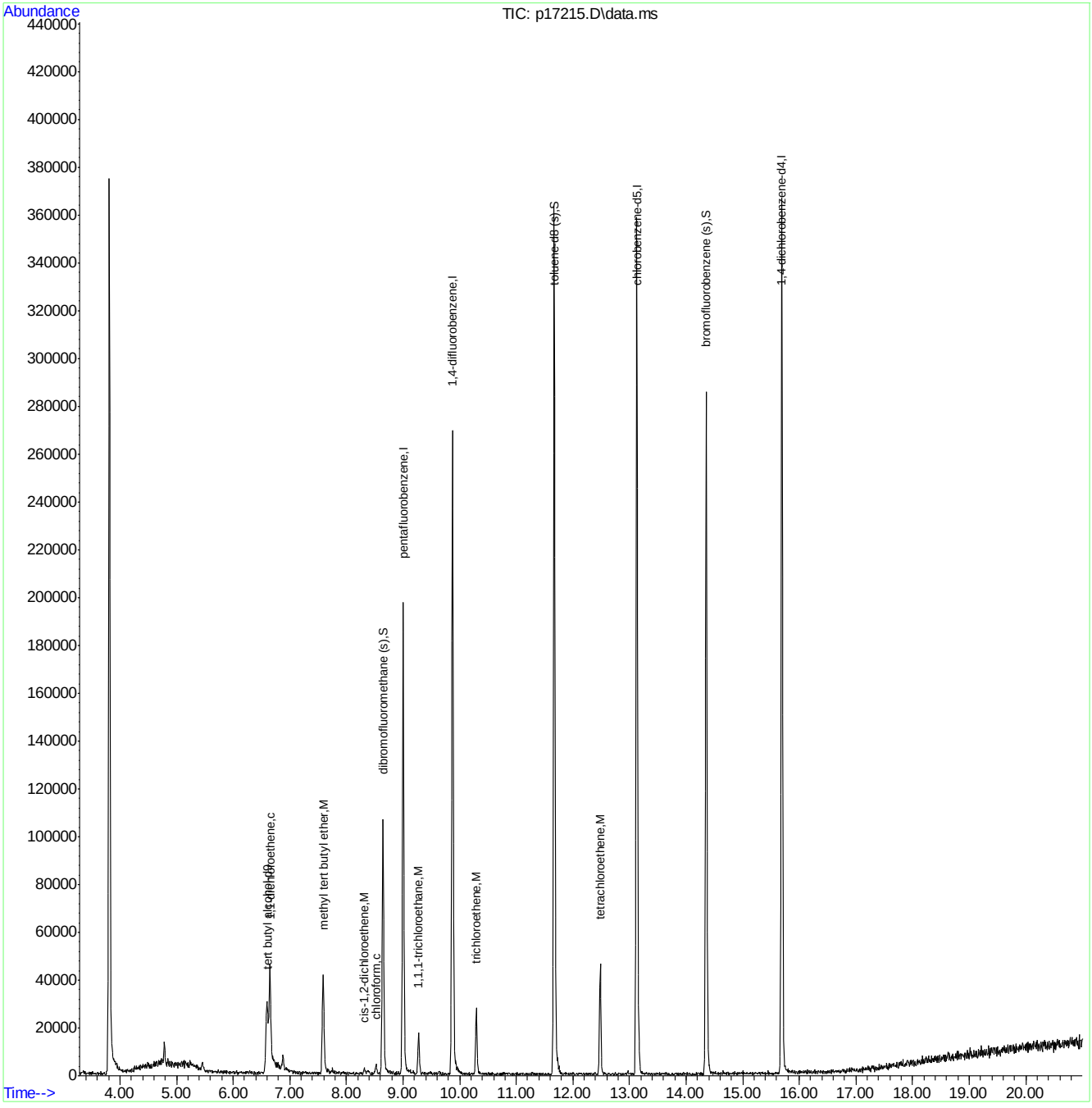
(#) = qualifier out of range (m) = manual integration (+) = signals summed

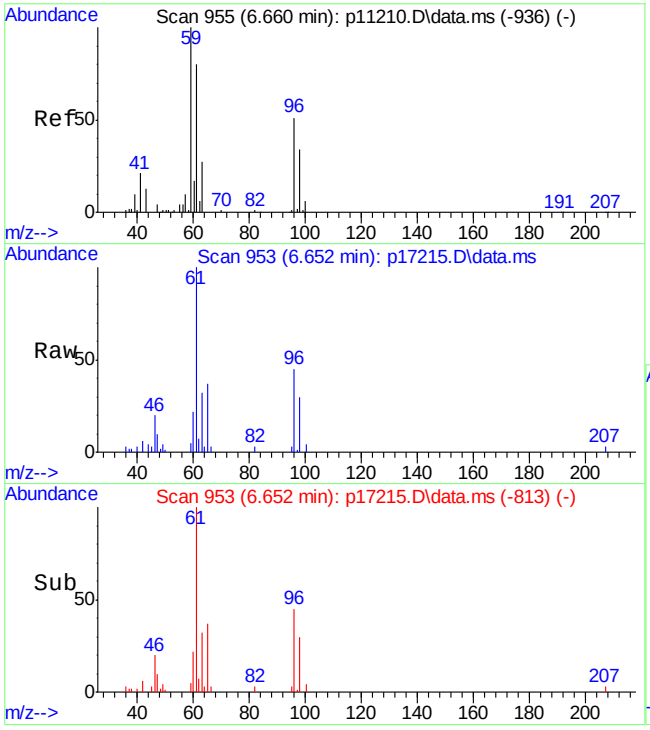
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p17215.D
Acq On : 26 Apr 2007 6:52 pm
Operator : amym
Sample : m64162-6
Misc : ms13438,msp589,,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Apr 30 14:42:27 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 25 09:57:54 2007
Response via : Initial Calibration



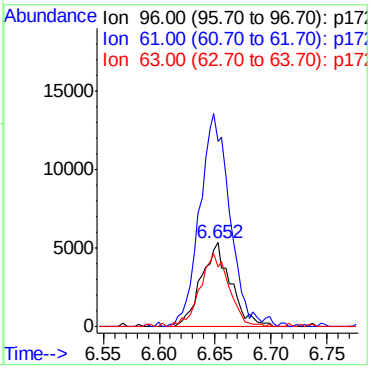


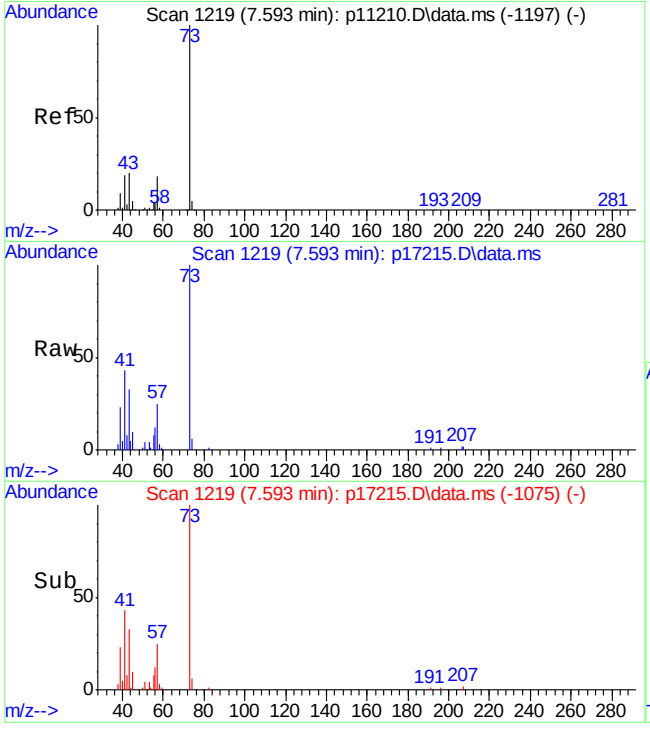



#15
1,1-dichloroethene
Concen: 8.37 ug/L
RT: 6.652 min Scan# 953
Delta R.T. -0.004 min
Lab File: p17215.D
Acq: 26 Apr 2007 6:52 pm

Tgt Ion: 96 Resp: 9914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 221.1 | 116.4 | 176.4# |
| 63 | 70.8 | 19.0 | 79.0 |

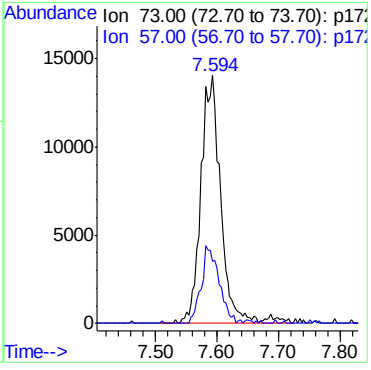


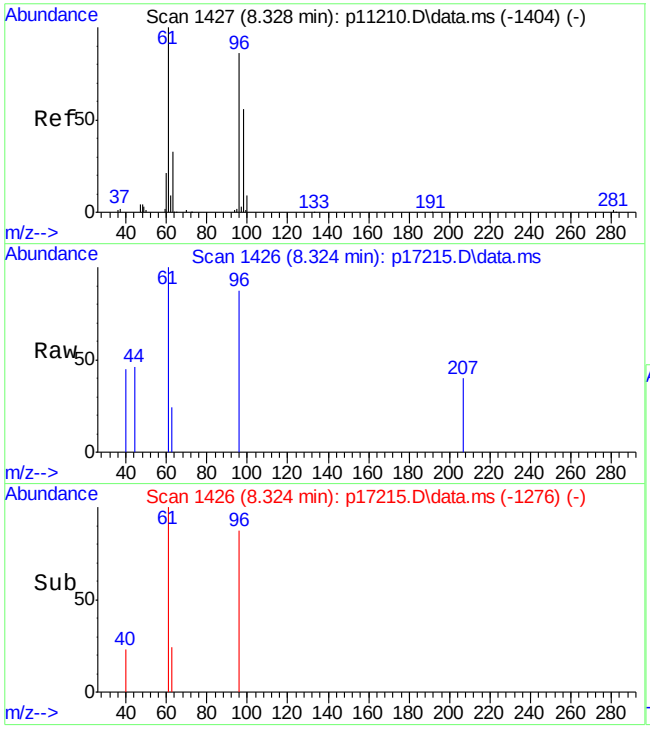




#19
methyl tert butyl ether
Concen: 10.07 ug/L
RT: 7.594 min Scan# 1219
Delta R.T. 0.009 min
Lab File: p17215.D
Acq: 26 Apr 2007 6:52 pm

Tgt Ion: 73 Resp: 31114

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 25.2 | 0.0 | 49.3 |

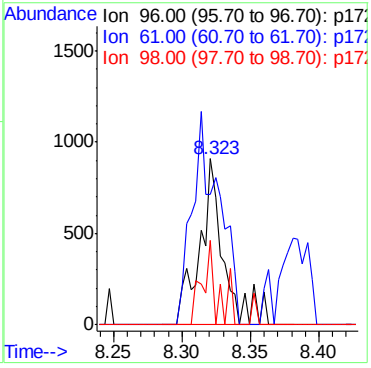


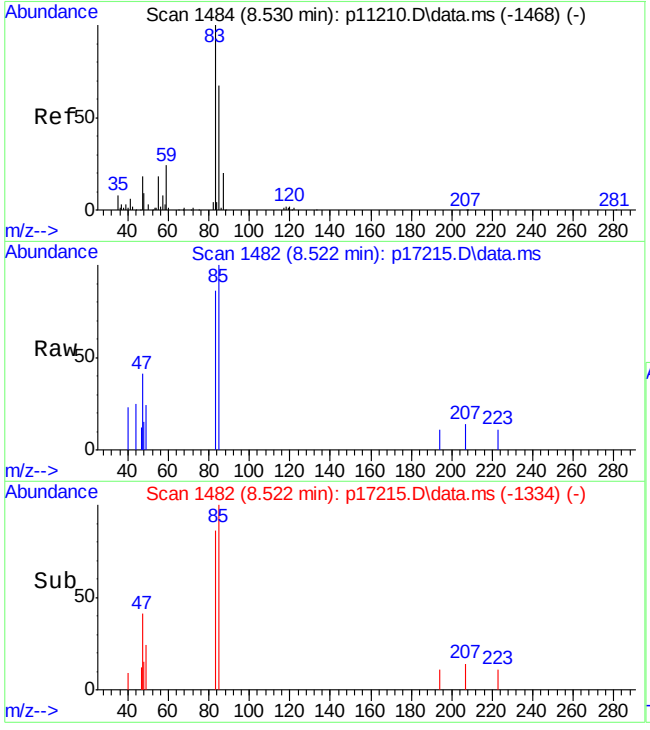



#36
cis-1,2-dichloroethene
Concen: 0.83 ug/L
RT: 8.323 min Scan# 1426
Delta R.T. -0.001 min
Lab File: p17215.D
Acq: 26 Apr 2007 6:52 pm

Tgt Ion: 96 Resp: 1087

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 115.5 | 83.9 | 143.9 |
| 98 | 0.0 | 35.0 | 95.0# |

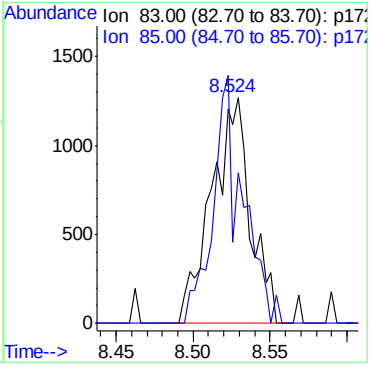


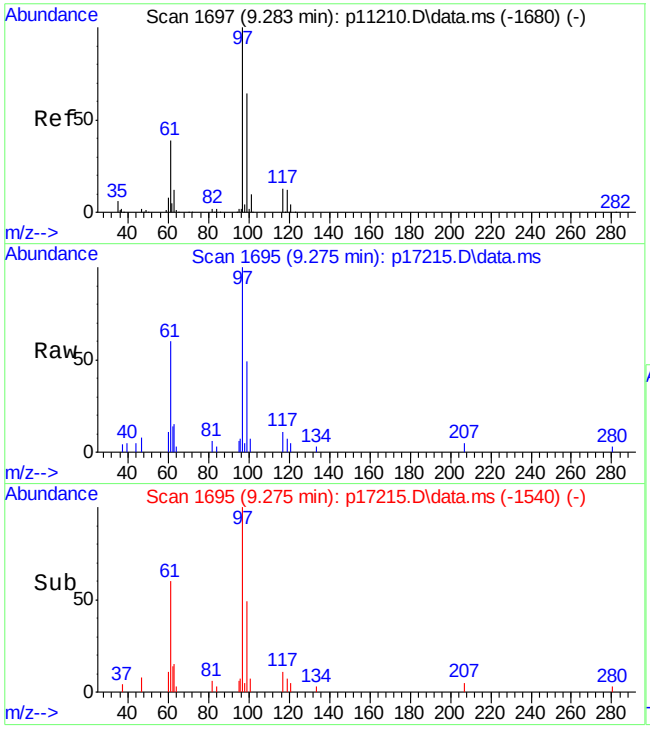




#38
chloroform
Concen: 0.89 ug/L
RT: 8.524 min Scan# 1482
Delta R.T. -0.005 min
Lab File: p17215.D
Acq: 26 Apr 2007 6:52 pm

Tgt Ion: 83 Resp: 2231

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 115.7 | 45.2 | 105.2# |

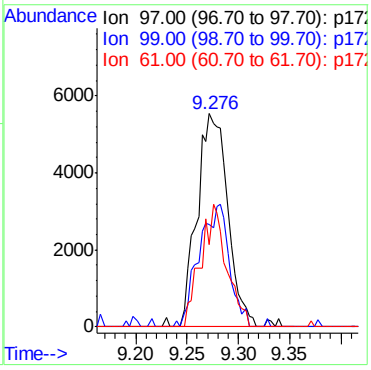


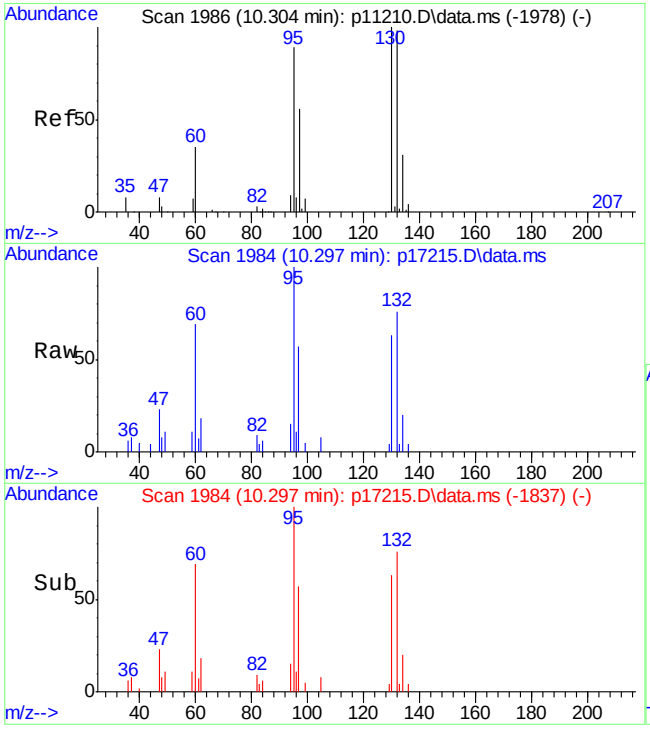



#41
1,1,1-trichloroethane
Concen: 1.47 ug/L
RT: 9.276 min Scan# 1695
Delta R.T. -0.000 min
Lab File: p17215.D
Acq: 26 Apr 2007 6:52 pm

Tgt Ion: 97 Resp: 11659

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 48.7 | 33.8 | 93.8 |
| 61 | 59.9 | 8.0 | 68.0 |

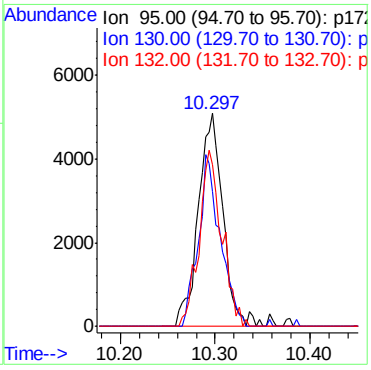


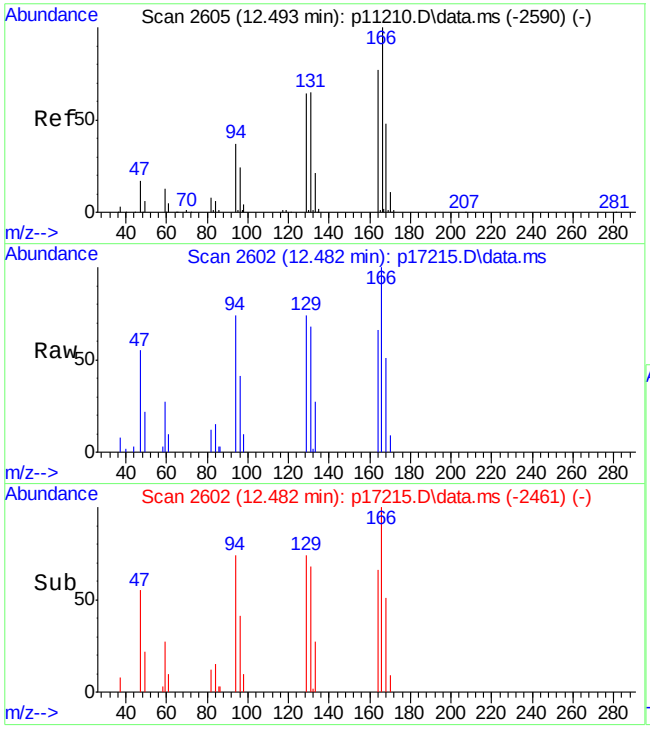




#50
trichloroethene
Concen: 6.63 ug/L
RT: 10.297 min Scan# 1984
Delta R.T. 0.001 min
Lab File: p17215.D
Acq: 26 Apr 2007 6:52 pm

Tgt Ion: 95 Resp: 9262

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 130 | 63.2 | 81.4 | 141.4# |
| 132 | 75.9 | 80.8 | 140.8# |

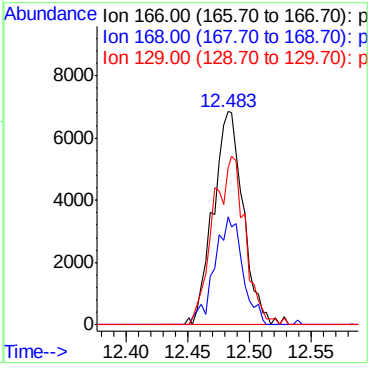





#66
tetrachloroethene
Concen: 10.02 ug/L
RT: 12.483 min Scan# 2602
Delta R.T. -0.001 min
Lab File: p17215.D
Acq: 26 Apr 2007 6:52 pm

Tgt Ion:166 Resp: 11653

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 168 | 50.8 | 17.7 | 77.7 |
| 129 | 73.5 | 36.7 | 96.7 |



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18917.D Vial: 26
Acq On : 27 Apr 2007 2:27 pm Operator: alit
Sample : M64162-7 Inst : MAMSN
Misc : ms13438,msn684,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 27 17:01:11 2007 Quant Results File: N042007W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Apr 25 10:27:30 2007
Response via : Initial Calibration
DataAcq Meth : N8260

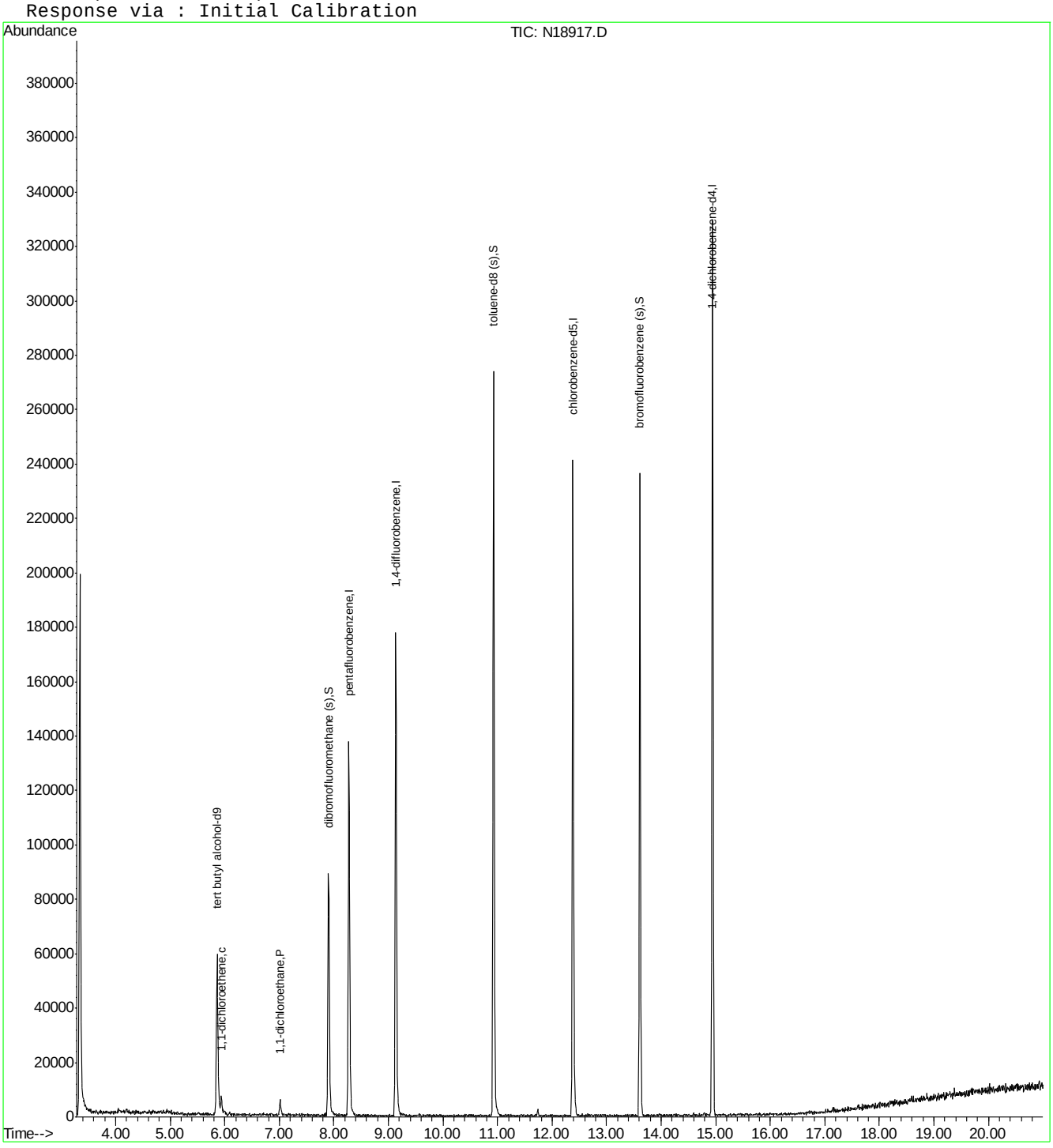
| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 5.86 | 65 | 65545 | 500.00 | ug/L | 0.00 |
| 3) pentafluorobenzene | 8.28 | 168 | 93708 | 50.00 | ug/L | 0.00 |
| 43) 1,4-difluorobenzene | 9.14 | 114 | 133026 | 50.00 | ug/L | 0.00 |
| 66) chlorobenzene-d5 | 12.38 | 82 | 75083 | 50.00 | ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 14.94 | 152 | 83874 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 40) dibromofluoromethane (s) | 7.91 | 113 | 52752 | 59.28 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 84 - 129 | | Recovery = 118.56% | | | |
| 60) toluene-d8 (s) | 10.93 | 98 | 173068 | 51.81 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 103.62% | | | |
| 82) bromofluorobenzene (s) | 13.61 | 95 | 69550 | 52.45 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 82 - 118 | | Recovery = 104.90% | | | |
| Target Compounds | | | | | | Qvalue |
| 15) 1,1-dichloroethene | 5.94 | 96 | 1680 | 3.66 | ug/L | 91 |
| 32) 1,1-dichloroethane | 7.02 | 63 | 5390 | 4.25 | ug/L | 94 |

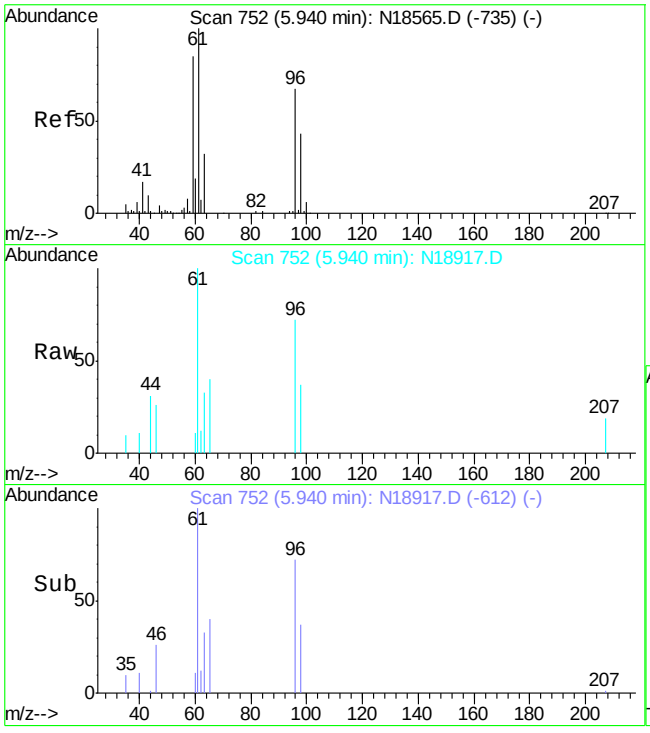
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18917.D Vial: 26
Acq On : 27 Apr 2007 2:27 pm Operator: alit
Sample : M64162-7 Inst : MAMSN
Misc : ms13438,msn684,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 27 17:01 2007 Quant Results File: N042007W.RES

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Apr 25 10:27:30 2007
Response via : Initial Calibration

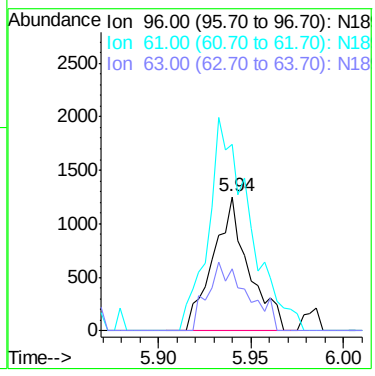


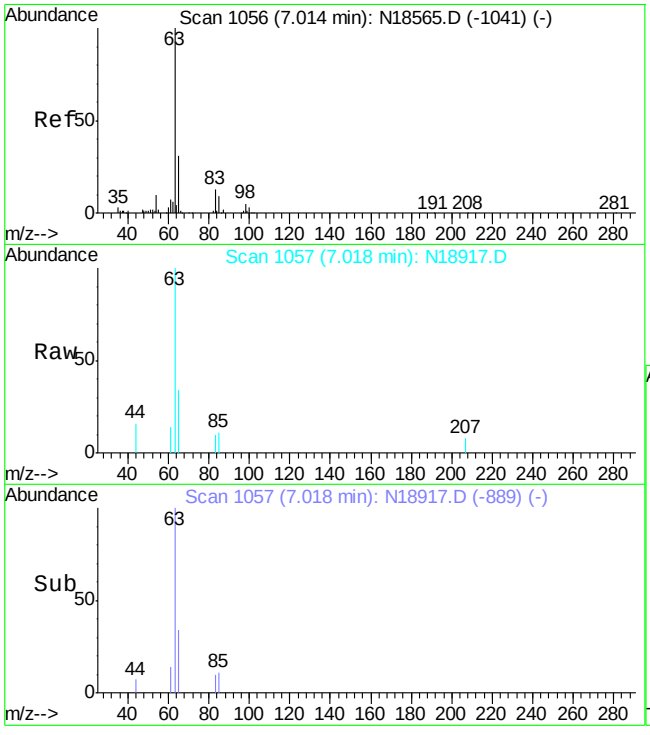



#15
1,1-dichloroethene
Concen: 3.66 ug/L
RT: 5.94 min Scan# 752
Delta R.T. -0.00 min
Lab File: N18917.D
Acq: 27 Apr 2007 2:27 pm

Tgt Ion: 96 Resp: 1680

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 139.4 | 124.6 | 184.6 |
| 63 | 46.5 | 17.9 | 77.9 |

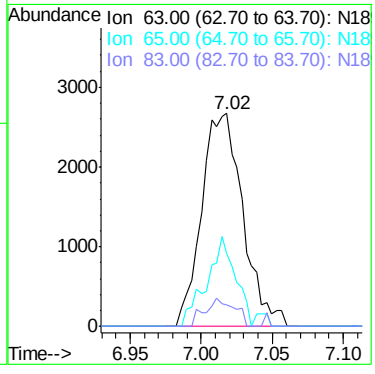



#32
1,1-dichloroethane
Concen: 4.25 ug/L
RT: 7.02 min Scan# 1057
Delta R.T. 0.00 min
Lab File: N18917.D
Acq: 27 Apr 2007 2:27 pm

Tgt Ion: 63 Resp: 5390

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 34.3 | 2.3 | 62.3 |
| 83 | 10.3 | 0.0 | 44.4 |



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69237.D Vial: 8
Acq On : 27 Apr 2007 10:30 pm Operator: kimt
Sample : M64162-8 Inst : 5973 G
Misc : MS13447,MSG2784,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 10:26 2007 Quant Results File: G042507W.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration
DataAcq Meth : G8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 6.49 | 65 | 86268 | 500.00 | ppb | 0.07 |
| 3) pentafluorobenzene | 8.74 | 168 | 470207 | 50.00 | ppb | 0.00 |
| 43) 1,4-difluorobenzene | 9.61 | 114 | 657445 | 50.00 | ppb | 0.00 |
| 66) chlorobenzene-d5 | 12.86 | 82 | 340767 | 50.00 | ppb | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 15.42 | 152 | 380315 | 50.00 | ppb | 0.00 |

System Monitoring Compounds

| | | | | | | |
|---|---|---|---|---|---|---|
| 40) dibromofluoromethane (s) | 8.38 | 113 | 205611 | 50.52 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 83 - 127 | | Recovery = 101.04% | | | |
| 60) toluene-d8 (s) | 11.40 | 98 | 810399 | 50.69 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 89 - 112 | | Recovery = 101.38% | | | |
| 82) bromofluorobenzene (s) | 14.09 | 95 | 312487 | 50.06 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 81 - 119 | | Recovery = 100.12% | | | |

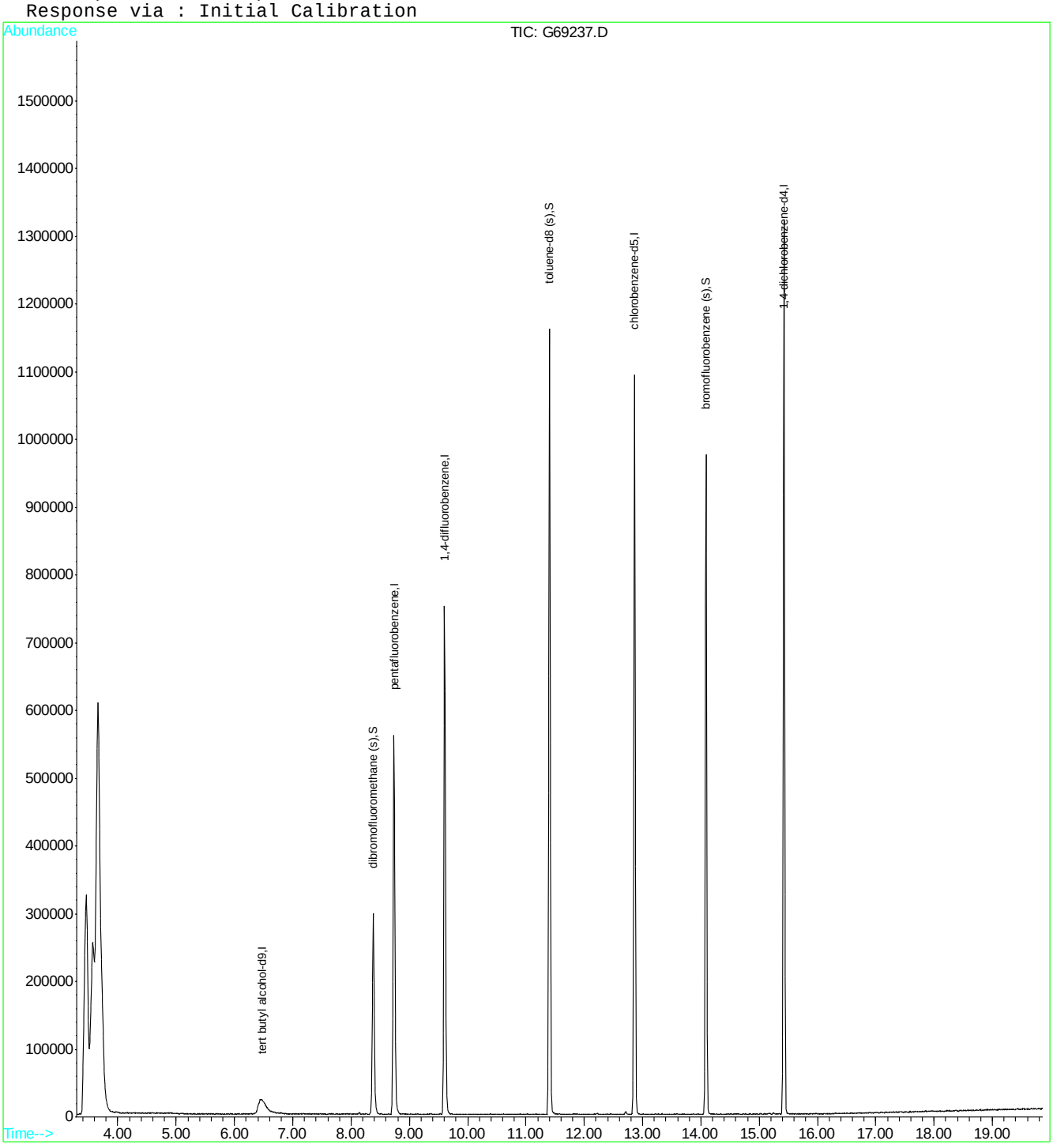
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration
G69237.D G042507W.M Mon Apr 30 10:26:56 2007 RP1

# Quantitation Report

Data File : C:\HPCHEM\1\DATA\G69237.D  Vial: 8
Acq On : 27 Apr 2007 10:30 pm  Operator: kimt
Sample : M64162-8  Inst : 5973 G
Misc : MS13447,MSG2784,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 10:26 2007  Quant Results File: G042507W.RES

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69238.D Vial: 9
Acq On : 27 Apr 2007 10:56 pm Operator: kimt
Sample : M64162-9 Inst : 5973 G
Misc : MS13447,MSG2784,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 10:27 2007 Quant Results File: G042507W.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration
DataAcq Meth : G8260

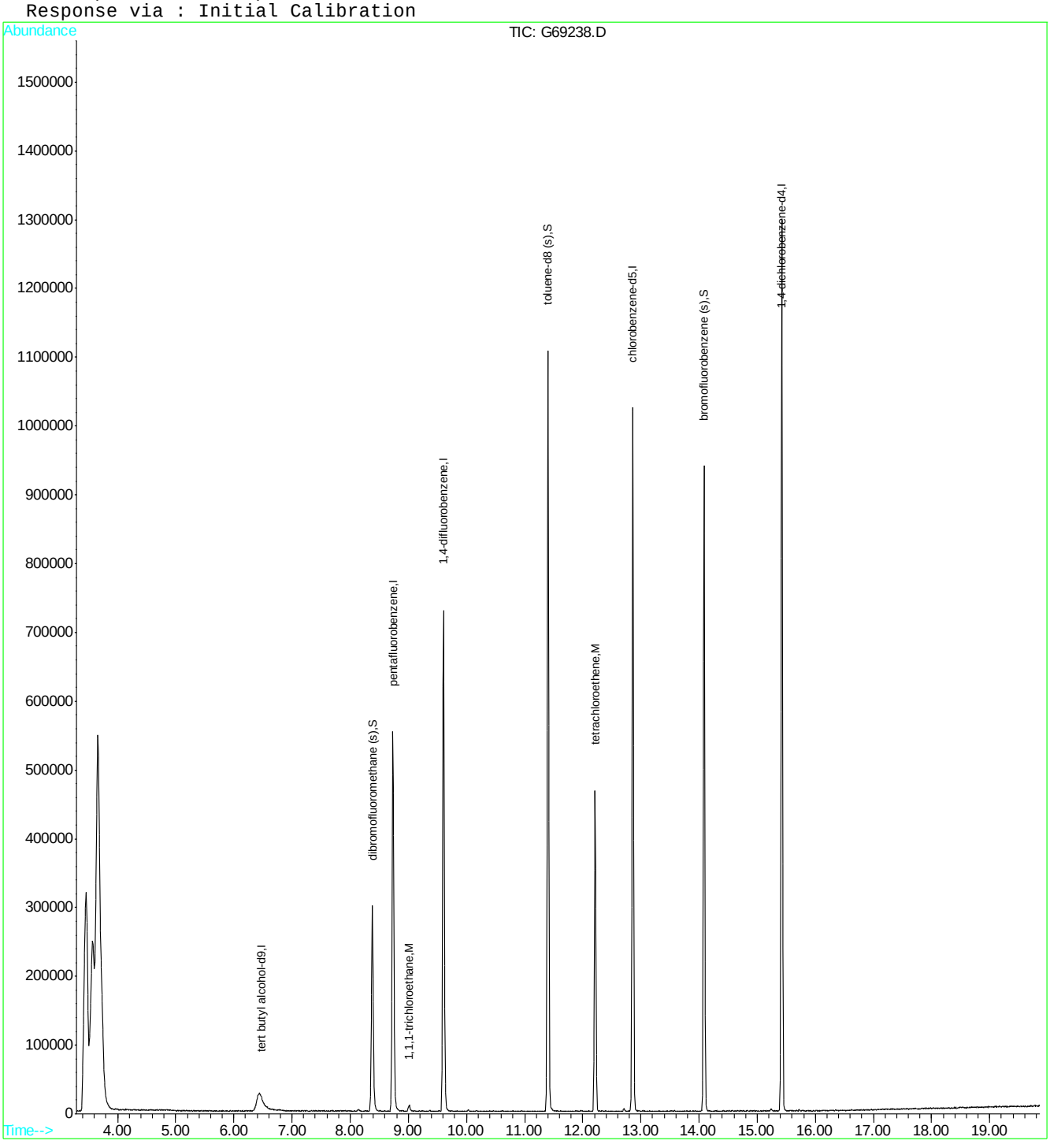
| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 6.48 | 65 | 97830 | 500.00 | ppb | 0.06 |
| 3) pentafluorobenzene | 8.74 | 168 | 453716 | 50.00 | ppb | 0.00 |
| 43) 1,4-difluorobenzene | 9.61 | 114 | 634952 | 50.00 | ppb | 0.00 |
| 66) chlorobenzene-d5 | 12.86 | 82 | 322296 | 50.00 | ppb | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 15.42 | 152 | 367235 | 50.00 | ppb | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 40) dibromofluoromethane (s) | 8.38 | 113 | 200125 | 50.96 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 83 - 127 | | Recovery = 101.92% | | | |
| 60) toluene-d8 (s) | 11.40 | 98 | 760672 | 49.26 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 89 - 112 | | Recovery = 98.52% | | | |
| 82) bromofluorobenzene (s) | 14.09 | 95 | 295830 | 49.08 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 81 - 119 | | Recovery = 98.16% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 42) 1,1,1-trichloroethane | 9.02 | 97 | 6205 | 0.97 | ppb | 95 |
| 67) tetrachloroethene | 12.22 | 166 | 154741 | 28.47 | ppb | 98 |

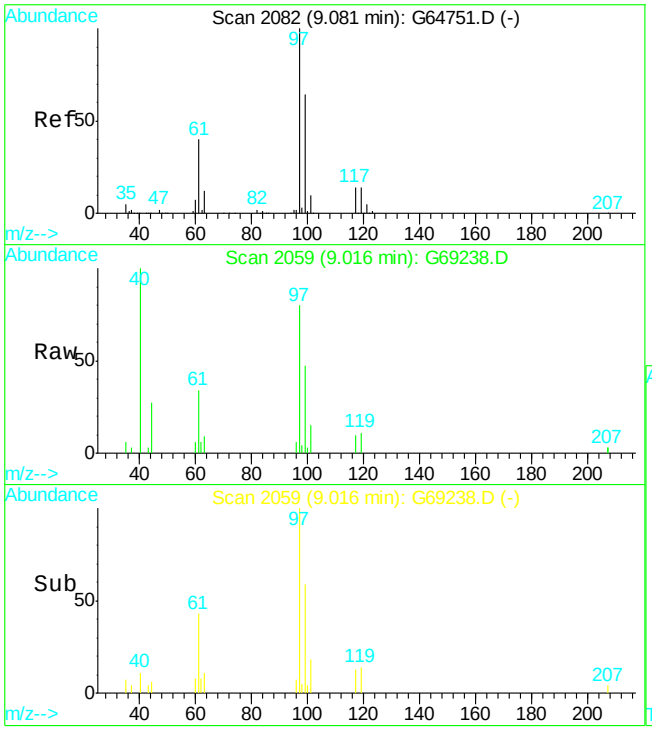
(#) = qualifier out of range (m) = manual integration
G69238.D G042507W.M Mon Apr 30 10:27:55 2007 RP1

# Quantitation Report

Data File : C:\HPCHEM\1\DATA\G69238.D  Vial: 9
Acq On : 27 Apr 2007 10:56 pm  Operator: kimt
Sample : M64162-9  Inst : 5973 G
Misc : MS13447,MSG2784,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 10:27 2007  Quant Results File: G042507W.RES

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration

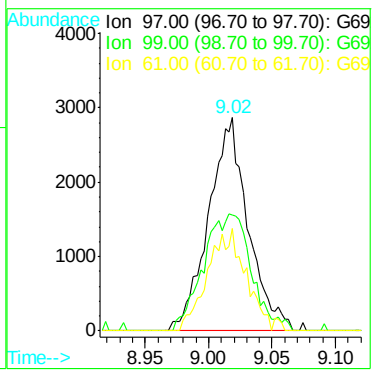


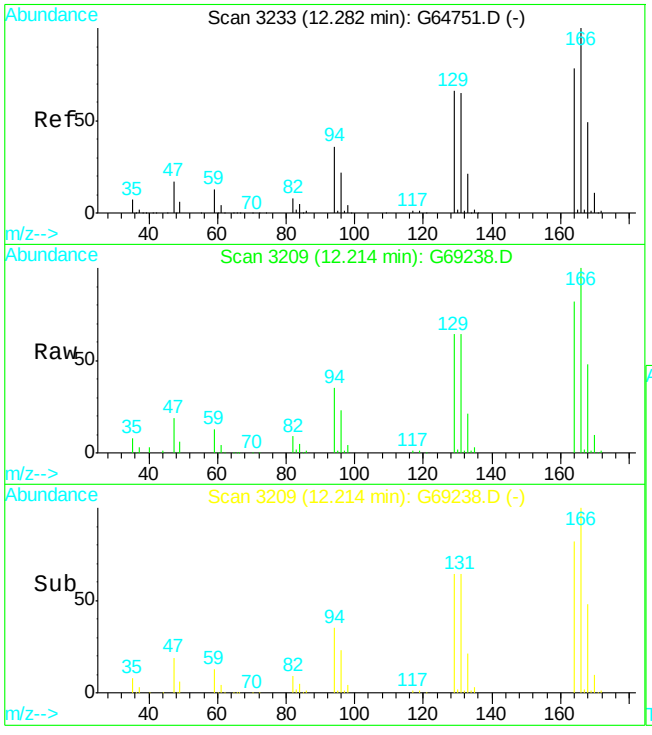



#42
1,1,1-trichloroethane
Concen: 0.97 ppb
RT: 9.02 min Scan# 2059
Delta R.T. -0.00 min
Lab File: G69238.D
Acq: 27 Apr 2007 10:56 pm

Tgt Ion: 97 Resp: 6205

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 58.6 | 33.7 | 93.7 |
| 61 | 42.6 | 14.3 | 74.3 |

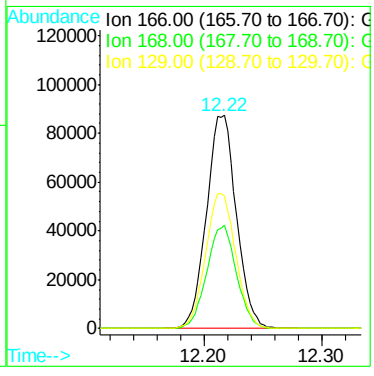



#67
tetrachloroethene
Concen: 28.47 ppb
RT: 12.22 min Scan# 3209
Delta R.T. -0.00 min
Lab File: G69238.D
Acq: 27 Apr 2007 10:56 pm

Tgt Ion:166 Resp: 154741

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 168 | 47.5 | 19.5 | 79.5 |
| 129 | 64.0 | 34.6 | 94.6 |



Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani 04/30/07 16:05

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69239.D Vial: 10
Acq On : 27 Apr 2007 11:22 pm Operator: kimt
Sample : M64162-10 Inst : 5973 G
Misc : MS13447,MSG2784,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 10:29 2007 Quant Results File: G042507W.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration
DataAcq Meth : G8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 6.64 | 65 | 44574m | 500.00 | ppb | 0.22 |
| 3) pentafluorobenzene | 8.74 | 168 | 439396 | 50.00 | ppb | 0.00 |
| 43) 1,4-difluorobenzene | 9.61 | 114 | 620369 | 50.00 | ppb | 0.00 |
| 66) chlorobenzene-d5 | 12.86 | 82 | 321109 | 50.00 | ppb | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 15.42 | 152 | 352512 | 50.00 | ppb | 0.00 |

System Monitoring Compounds

| | | | | | | |
|---|---|---|---|---|---|---|
| 40) dibromofluoromethane (s) | 8.38 | 113 | 191596 | 50.37 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 83 - 127 | | Recovery = 100.74% | | | |
| 60) toluene-d8 (s) | 11.40 | 98 | 767002 | 50.84 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 89 - 112 | | Recovery = 101.68% | | | |
| 82) bromofluorobenzene (s) | 14.09 | 95 | 292672 | 50.58 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 81 - 119 | | Recovery = 101.16% | | | |

Target Compounds

| | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 67) tetrachloroethene | 12.22 | 166 | 5029 | 0.93 | ppb | 95 |

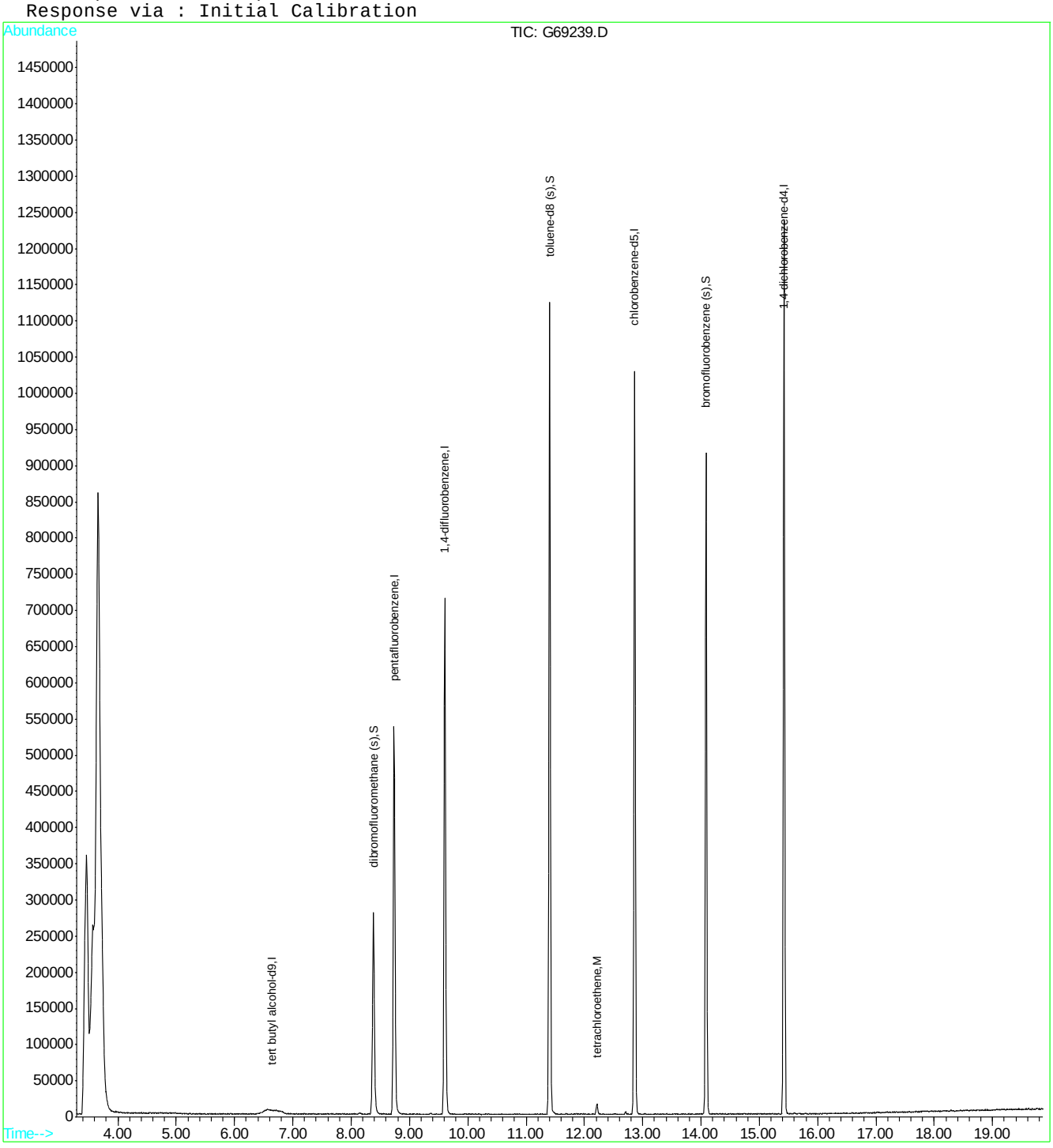
(#) = qualifier out of range (m) = manual integration
G69239.D G042507W.M Mon Apr 30 10:29:16 2007 RP1

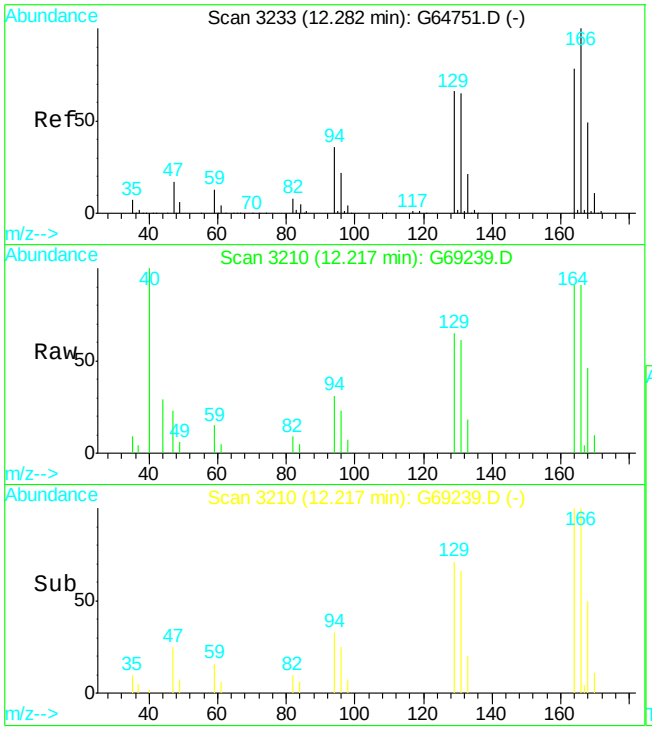
Quantitation Report

Data File : C:\HPCHEM\1\DATA\G69239.D
Acq On : 27 Apr 2007 11:22 pm
Sample : M64162-10
Misc : MS13447,MSG2784,,,,5,1
MS Integration Params: RTEINT.P
Quant Time: Apr 30 10:29 2007

Vial: 10
Operator: kimt
Inst : 5973 G
Multiplr: 1.00
Quant Results File: G042507W.RES

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration

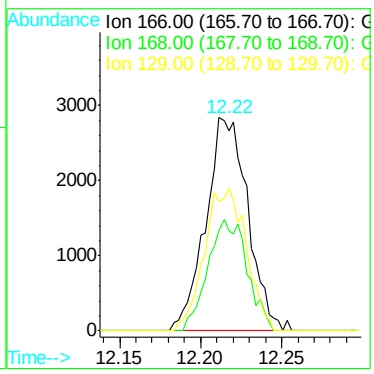





#67
tetrachloroethene
Concen: 0.93 ppb
RT: 12.22 min Scan# 3210
Delta R.T. 0.00 min
Lab File: G69239.D
Acq: 27 Apr 2007 11:22 pm

Tgt Ion:166 Resp: 5029

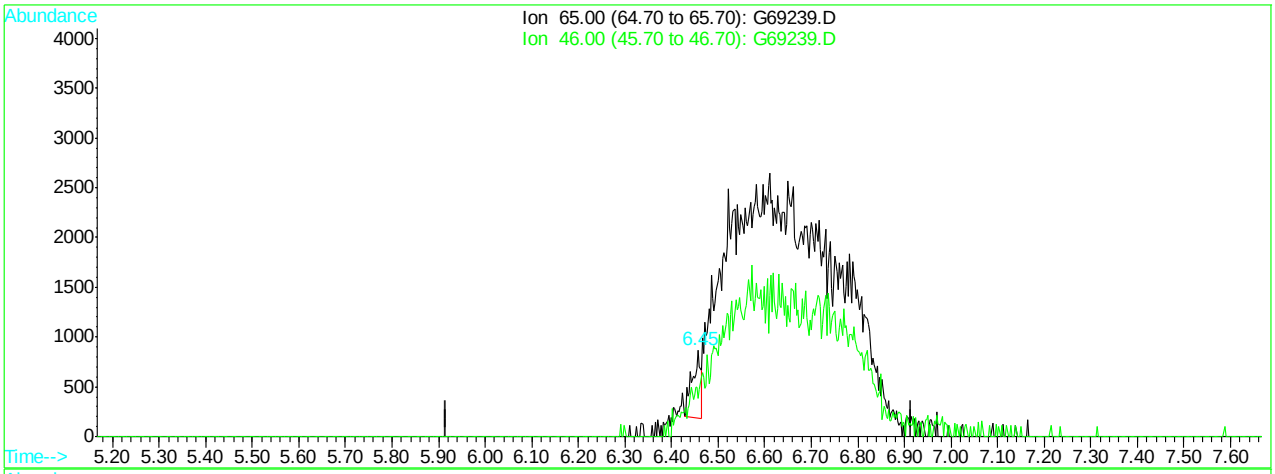
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 168 | 49.9 | 19.5 | 79.5 |
| 129 | 71.5 | 34.6 | 94.6 |

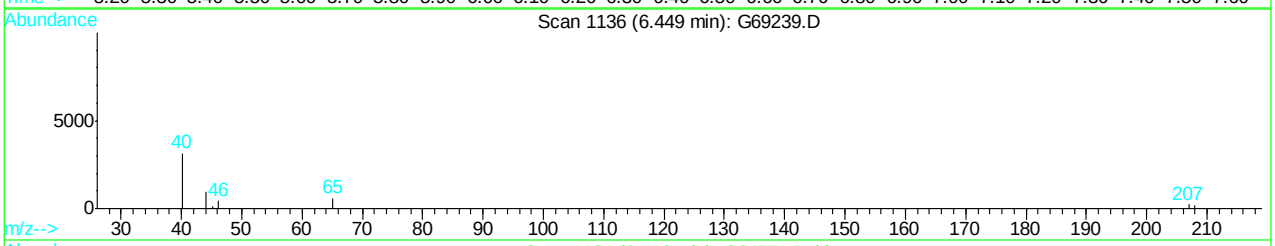


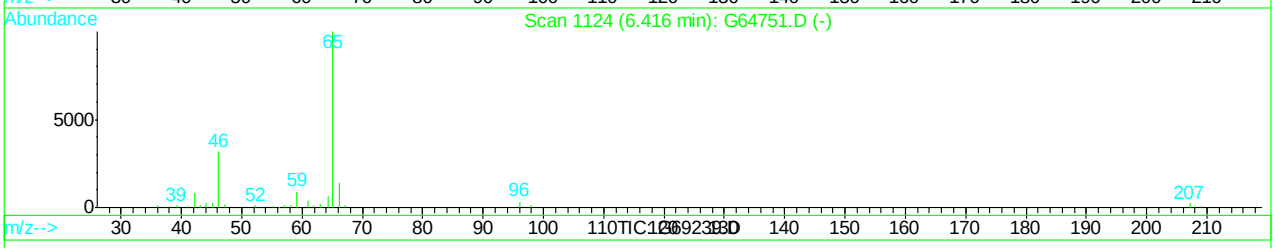
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69239.D  Vial: 10
Acq On : 27 Apr 2007 11:22 pm  Operator: kimt
Sample : M64162-10  Inst : 5973 G
Misc : MS13447,MSG2784,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 10:02 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Multiple Level Calibration




(1) tert butyl alcohol-d9 (I)

6.45min 500.00ppb

response 838

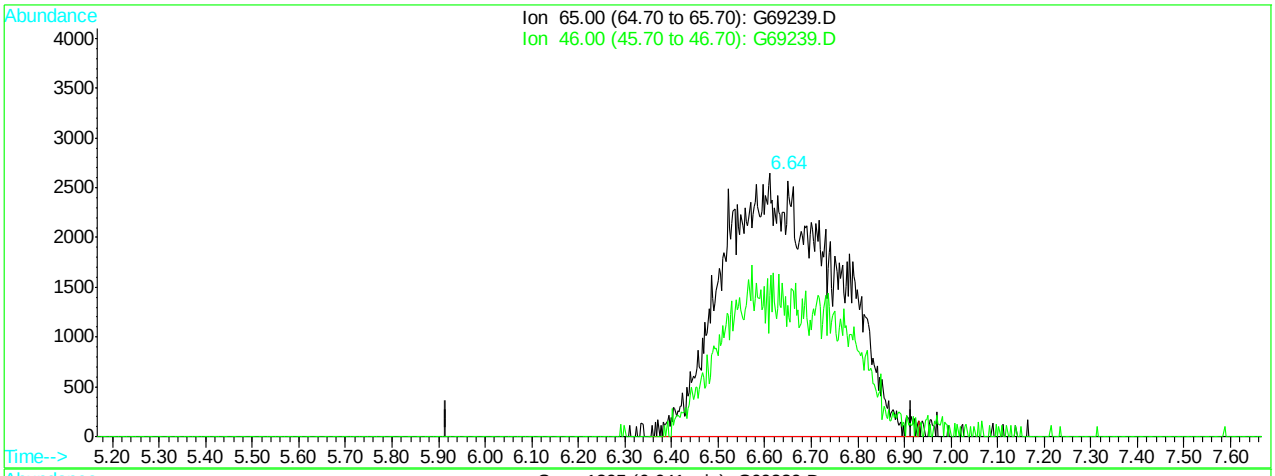
| Ion | Exp% | Act% |
|---|---|---|
| 65.00 | 100 | 100 |
| 46.00 | 49.10 | 43.04 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

G69239.D G042507W.M Mon Apr 30 10:28:11 2007 RP1

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69239.D  Vial: 10
Acq On : 27 Apr 2007 11:22 pm  Operator: kimt
Sample : M64162-10  Inst : 5973 G
Misc : MS13447,MSG2784,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 10:28 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Multiple Level Calibration




(1) tert butyl alcohol-d9 (I)

6.64min 500.00ppb m

response 44574

| Ion | Exp% | Act% |
|---|---|---|
| 65.00 | 100 | 100 |
| 46.00 | 49.10 | 54.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

G69239.D G042507W.M Mon Apr 30 10:28:26 2007 RP1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69300.D Vial: 1
Acq On : 30 Apr 2007 7:21 pm Operator: kimt
Sample : M64162-11 Inst : 5973 G
Misc : MS13447,MSG2785,,,,5,25 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 1 9:27 2007 Quant Results File: G042507W.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration
DataAcq Meth : G8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 6.42 | 65 | 87261 | 500.00 | ppb | 0.00 |
| 3) pentafluorobenzene | 8.74 | 168 | 395570 | 50.00 | ppb | 0.00 |
| 43) 1,4-difluorobenzene | 9.61 | 114 | 551558 | 50.00 | ppb | 0.00 |
| 66) chlorobenzene-d5 | 12.86 | 82 | 284380 | 50.00 | ppb | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 15.42 | 152 | 321709 | 50.00 | ppb | 0.00 |

System Monitoring Compounds

| | | | | | | |
|---|---|---|---|---|---|---|
| 40) dibromofluoromethane (s) | 8.38 | 113 | 174218 | 50.88 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 83 - 127 | | Recovery = 101.76% | | | |
| 60) toluene-d8 (s) | 11.40 | 98 | 672166 | 50.11 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 89 - 112 | | Recovery = 100.22% | | | |
| 82) bromofluorobenzene (s) | 14.09 | 95 | 254958 | 48.29 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 81 - 119 | | Recovery = 96.58% | | | |

Target Compounds

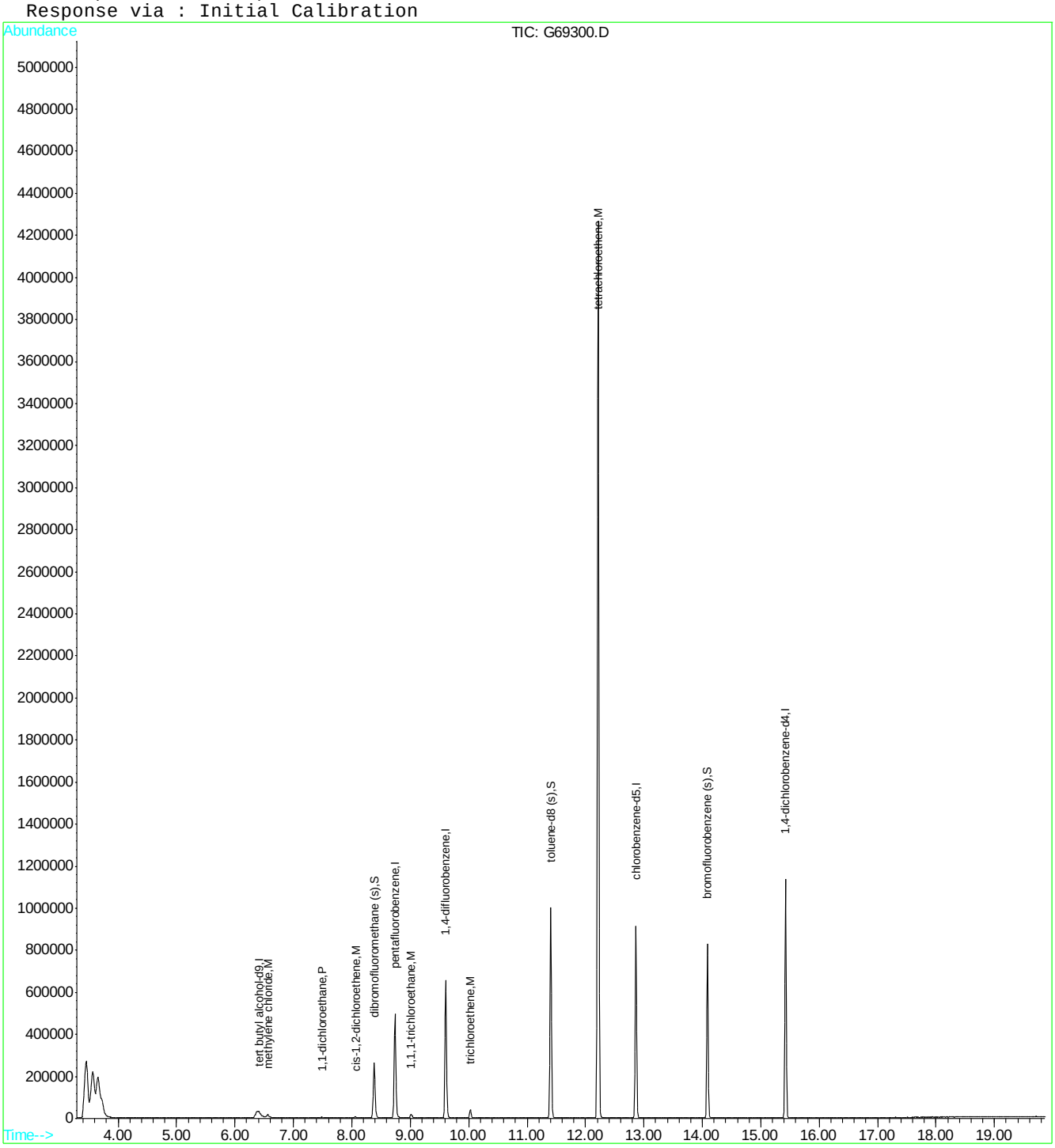
| | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 18) methylene chloride | 6.57 | 84 | 7862 | 1.25 | ppb | 90 |
| 32) 1,1-dichloroethane | 7.49 | 63 | 4348 | 0.63 | ppb | 94 |
| 36) cis-1,2-dichloroethene | 8.06 | 96 | 3079 | 0.69 | ppb | 96 |
| 42) 1,1,1-trichloroethane | 9.02 | 97 | 12651 | 2.26 | ppb | 98 |
| 51) trichloroethene | 10.03 | 95 | 12964 | 3.38 | ppb | 93 |
| 67) tetrachloroethene | 12.22 | 166 | 1413380 | 294.69 | ppb | 98 |

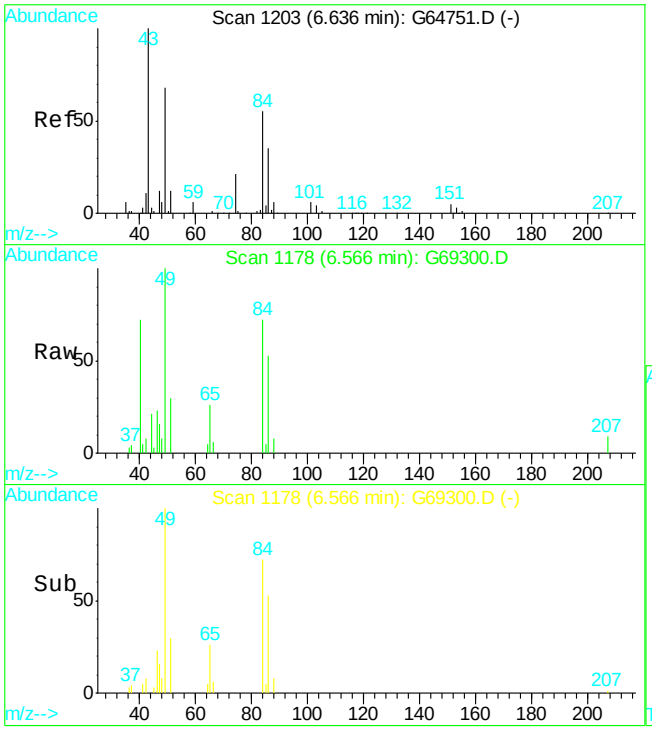
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\G69300.D  Vial: 1
Acq On : 30 Apr 2007 7:21 pm  Operator: kimt
Sample : M64162-11  Inst : 5973 G
Misc : MS13447,MSG2785,,,,5,25  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 1 9:27 2007  Quant Results File: G042507W.RES

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration

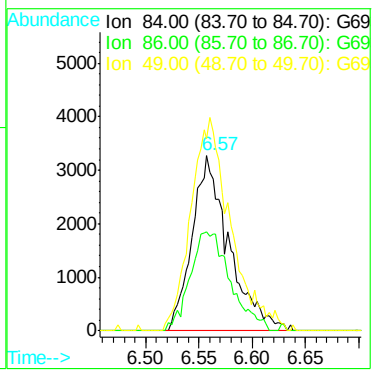


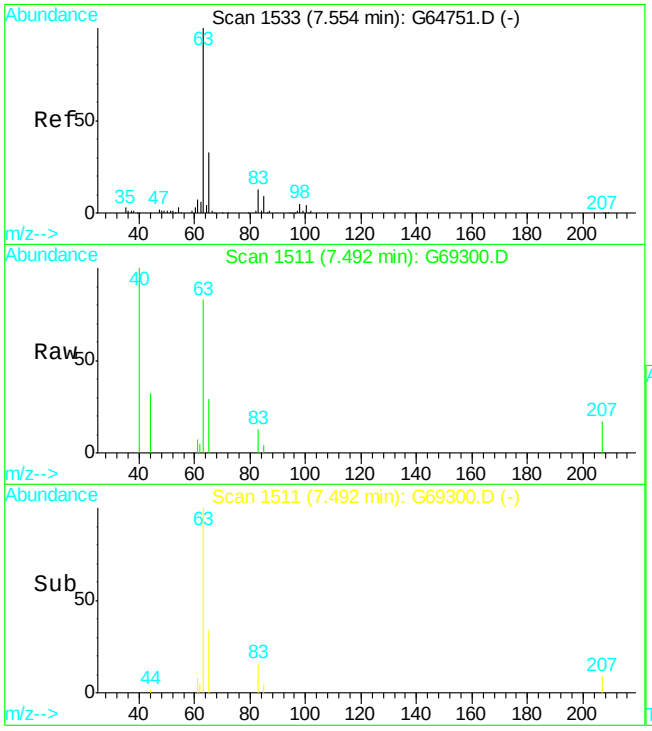



#18
methylene chloride
Concen: 1.25 ppb
RT: 6.57 min Scan# 1178
Delta R.T. 0.00 min
Lab File: G69300.D
Acq: 30 Apr 2007 7:21 pm

Tgt Ion: 84 Resp: 7862

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 73.8 | 35.6 | 95.6 |
| 49 | 138.7 | 98.2 | 158.2 |

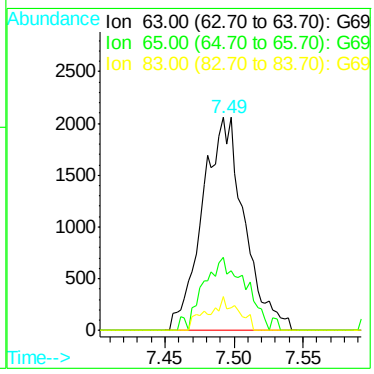


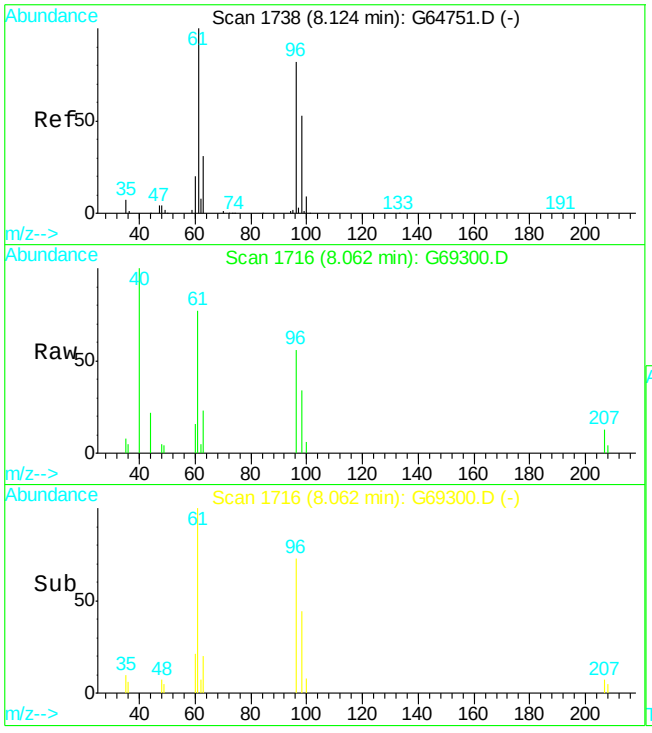




#32
1,1-dichloroethane
Concen: 0.63 ppb
RT: 7.49 min Scan# 1511
Delta R.T. 0.00 min
Lab File: G69300.D
Acq: 30 Apr 2007 7:21 pm

Tgt Ion: 63 Resp: 4348

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 34.5 | 1.3 | 61.3 |
| 83 | 16.1 | 0.0 | 42.8 |

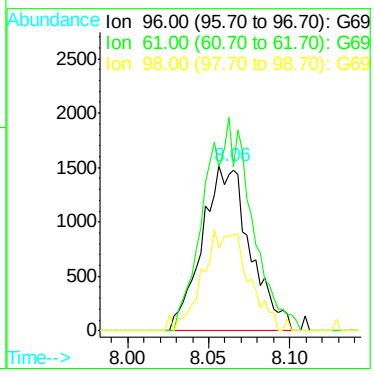


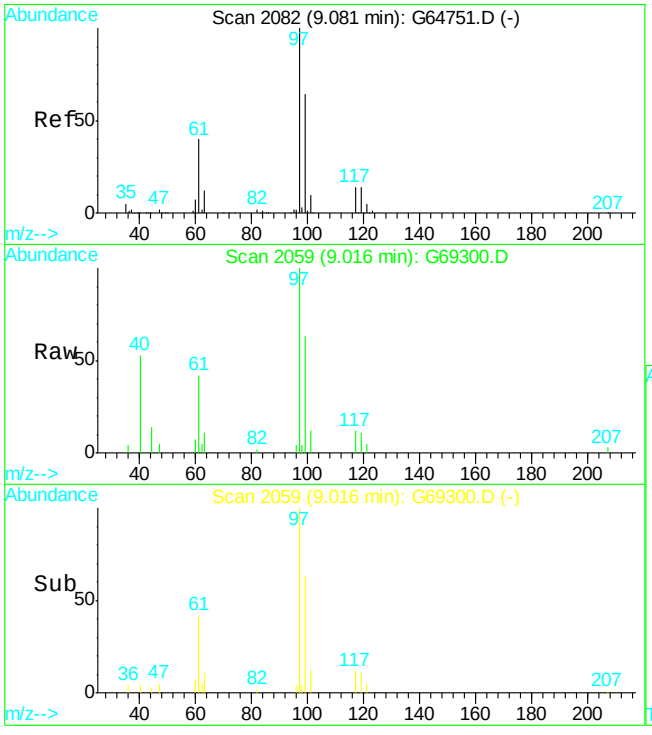



#36
cis-1,2-dichloroethene
Concen: 0.69 ppb
RT: 8.06 min Scan# 1716
Delta R.T. 0.00 min
Lab File: G69300.D
Acq: 30 Apr 2007 7:21 pm

Tgt Ion: 96 Resp: 3079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 136.8 | 103.3 | 163.3 |
| 98 | 60.5 | 35.4 | 95.4 |

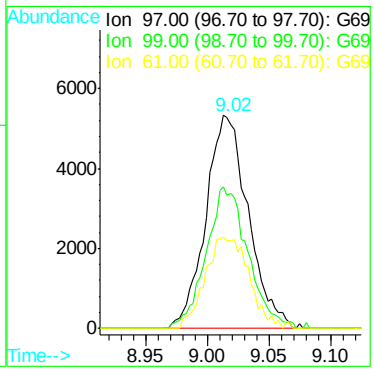


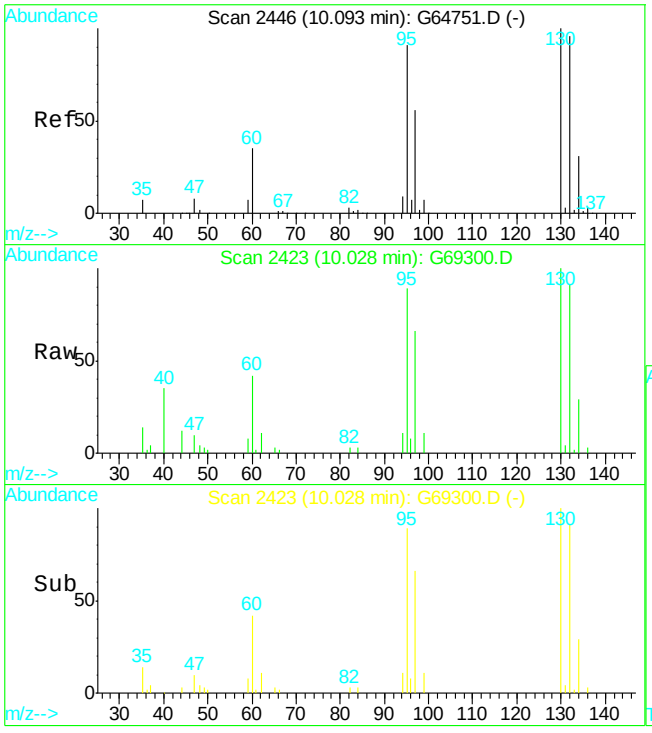




#42
1,1,1-trichloroethane
Concen: 2.26 ppb
RT: 9.02 min Scan# 2059
Delta R.T. 0.00 min
Lab File: G69300.D
Acq: 30 Apr 2007 7:21 pm

Tgt Ion: 97 Resp: 12651

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.4 | 33.7 | 93.7 |
| 61 | 41.9 | 14.3 | 74.3 |

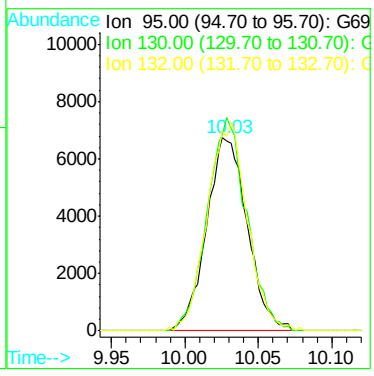


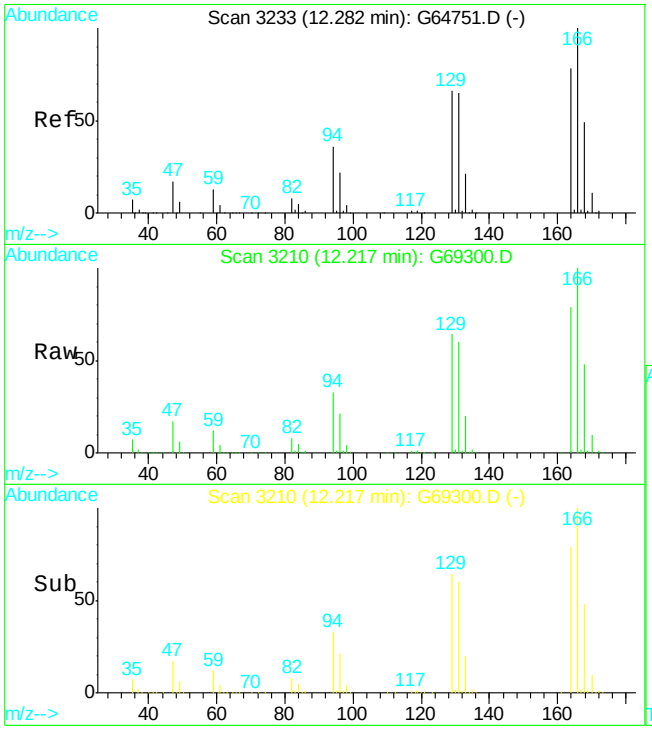



#51
trichloroethene
Concen: 3.38 ppb
RT: 10.03 min Scan# 2423
Delta R.T. 0.00 min
Lab File: G69300.D
Acq: 30 Apr 2007 7:21 pm

Tgt Ion: 95 Resp: 12964

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 130 | 112.6 | 70.8 | 130.8 |
| 132 | 102.6 | 69.6 | 129.6 |

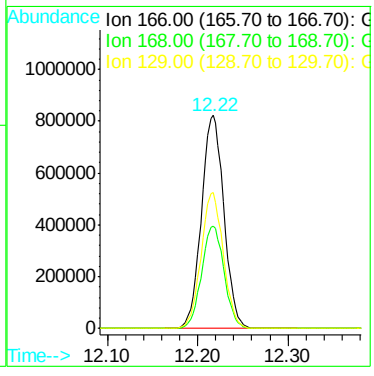



#67
tetrachloroethene
Concen: 294.69 ppb
RT: 12.22 min Scan# 3210
Delta R.T. 0.00 min
Lab File: G69300.D
Acq: 30 Apr 2007 7:21 pm

Tgt Ion:166 Resp: 1413380

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 168 | 48.2 | 19.5 | 79.5 |
| 129 | 63.6 | 34.6 | 94.6 |



Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani 04/30/07 16:05

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69240.D Vial: 11
Acq On : 27 Apr 2007 11:49 pm Operator: kimt
Sample : M64162-12 Inst : 5973 G
Misc : MS13447,MSG2784,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 10:31 2007 Quant Results File: G042507W.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration
DataAcq Meth : G8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 6.65 | 65 | 51465m | 500.00 | ppb | 0.24 |
| 3) pentafluorobenzene | 8.74 | 168 | 429675 | 50.00 | ppb | 0.00 |
| 43) 1,4-difluorobenzene | 9.61 | 114 | 605912 | 50.00 | ppb | 0.00 |
| 66) chlorobenzene-d5 | 12.86 | 82 | 317859 | 50.00 | ppb | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 15.42 | 152 | 355034 | 50.00 | ppb | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 40) dibromofluoromethane (s) | 8.38 | 113 | 191655 | 51.53 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 83 - 127 | | Recovery = 103.06% | | | |
| 60) toluene-d8 (s) | 11.40 | 98 | 745842 | 50.62 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 89 - 112 | | Recovery = 101.24% | | | |
| 82) bromofluorobenzene (s) | 14.09 | 95 | 289759 | 49.73 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 81 - 119 | | Recovery = 99.46% | | | |

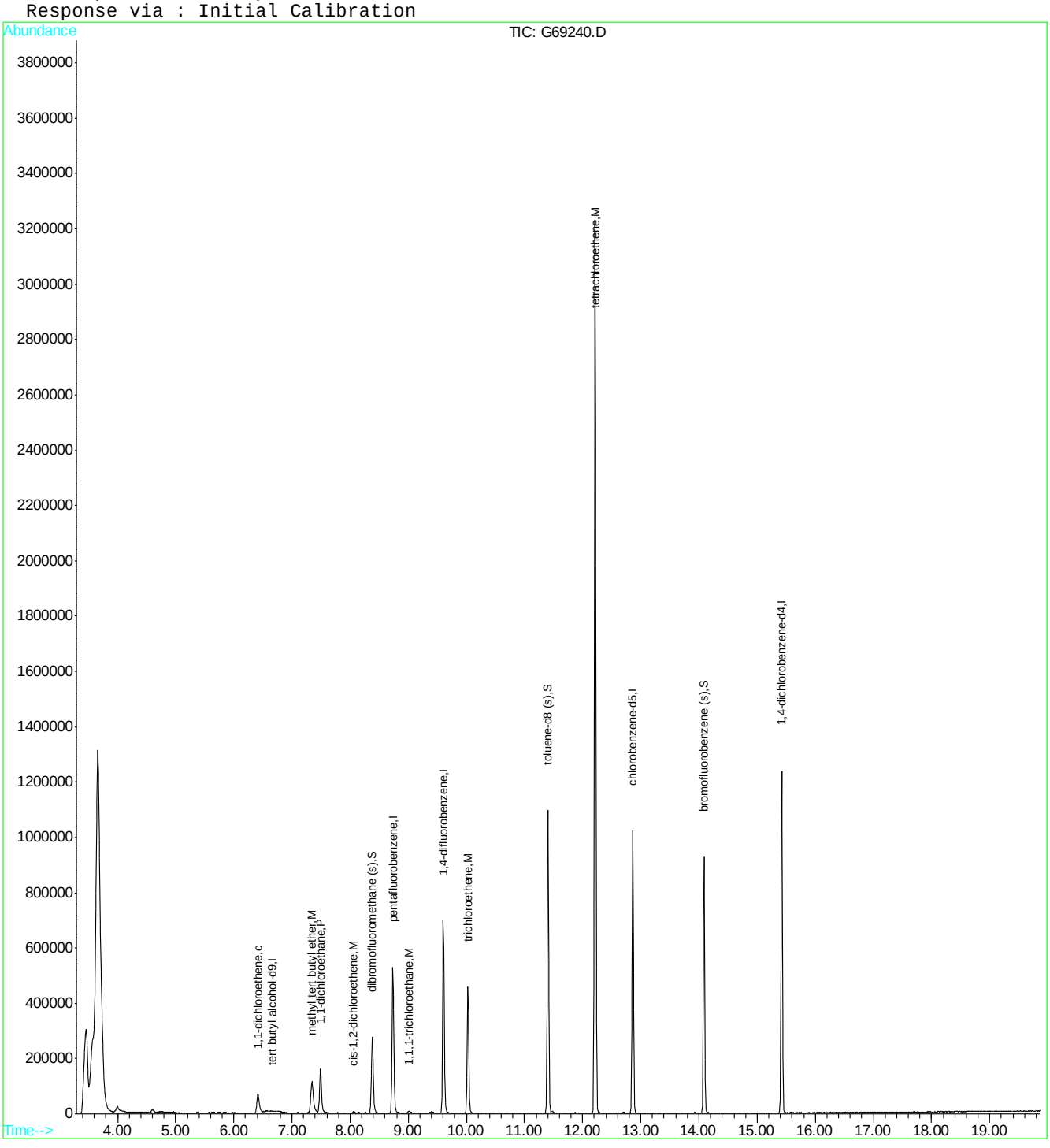
| Target Compounds | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 15) 1,1-dichloroethene | 6.42 | 96 | 41221 | 10.76 | ppb | 99 |
| 19) methyl tert butyl ether | 7.35 | 73 | 159197 | 13.75 | ppb | 97 |
| 32) 1,1-dichloroethane | 7.49 | 63 | 180310 | 23.96 | ppb | 99 |
| 36) cis-1,2-dichloroethene | 8.06 | 96 | 2633 | 0.54 | ppb | 98 |
| 42) 1,1,1-trichloroethane | 9.02 | 97 | 5822 | 0.96 | ppb | 98 |
| 51) trichloroethene | 10.03 | 95 | 152275 | 36.10 | ppb | 97 |
| 67) tetrachloroethene | 12.22 | 166 | 1059842 | 197.70 | ppb | 98 |

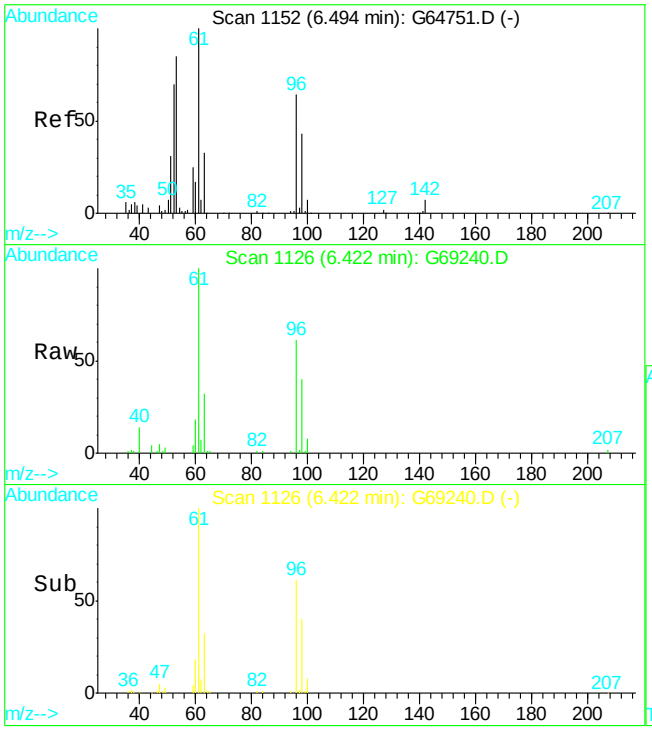
(#) = qualifier out of range (m) = manual integration
G69240.D G042507W.M Mon Apr 30 10:31:19 2007 RP1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\G69240.D  Vial: 11
Acq On : 27 Apr 2007 11:49 pm  Operator: kimt
Sample : M64162-12  Inst : 5973 G
Misc : MS13447,MSG2784,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 10:31 2007  Quant Results File: G042507W.RES

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration

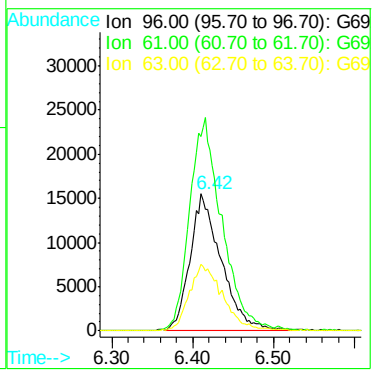


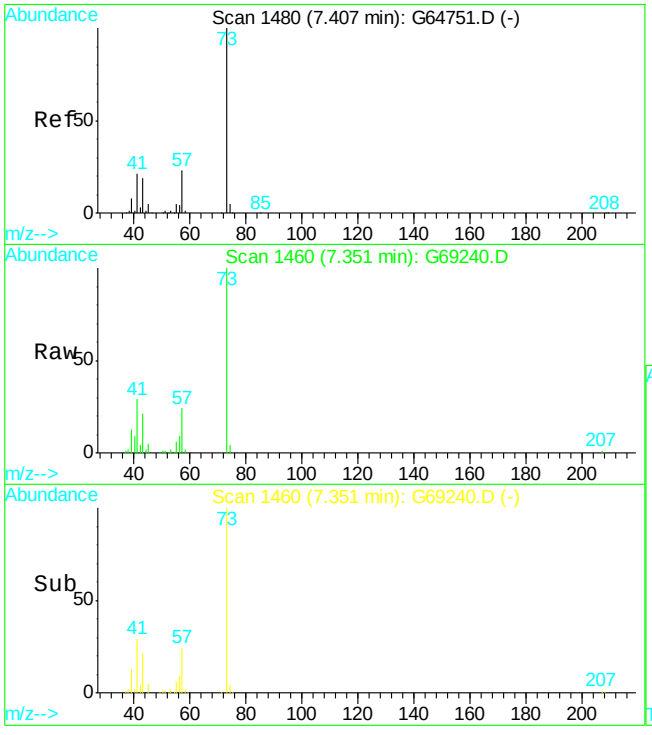



#15
1,1-dichloroethene
Concen: 10.76 ppb
RT: 6.42 min Scan# 1126
Delta R.T. 0.00 min
Lab File: G69240.D
Acq: 27 Apr 2007 11:49 pm

Tgt Ion: 96 Resp: 41221

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 162.3 | 130.9 | 190.9 |
| 63 | 52.1 | 20.9 | 80.9 |

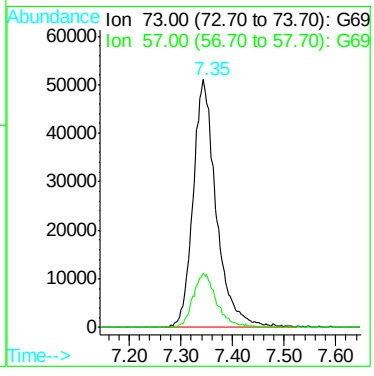


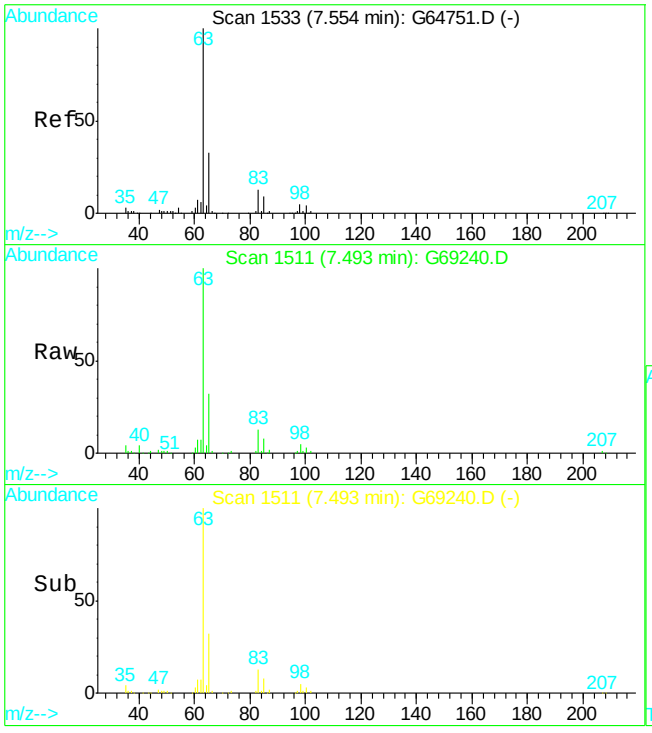




#19
methyl tert butyl ether
Concen: 13.75 ppb
RT: 7.35 min Scan# 1460
Delta R.T. 0.01 min
Lab File: G69240.D
Acq: 27 Apr 2007 11:49 pm

Tgt Ion: 73 Resp: 159197

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 23.8 | 0.0 | 52.1 |

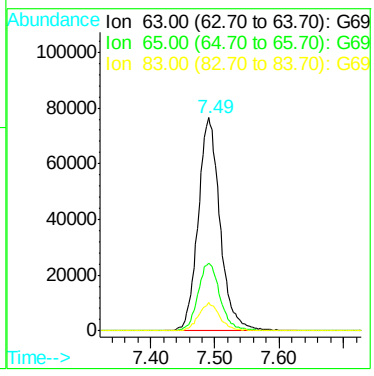


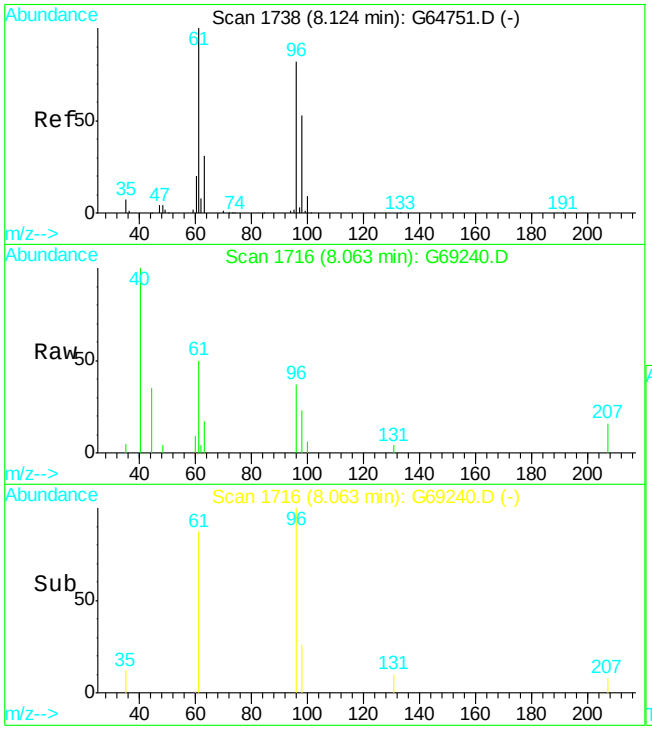



#32
1,1-dichloroethane
Concen: 23.96 ppb
RT: 7.49 min Scan# 1511
Delta R.T. 0.00 min
Lab File: G69240.D
Acq: 27 Apr 2007 11:49 pm

Tgt Ion: 63 Resp: 180310

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 32.0 | 1.3 | 61.3 |
| 83 | 12.6 | 0.0 | 42.8 |

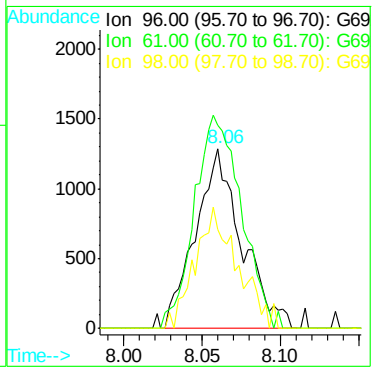


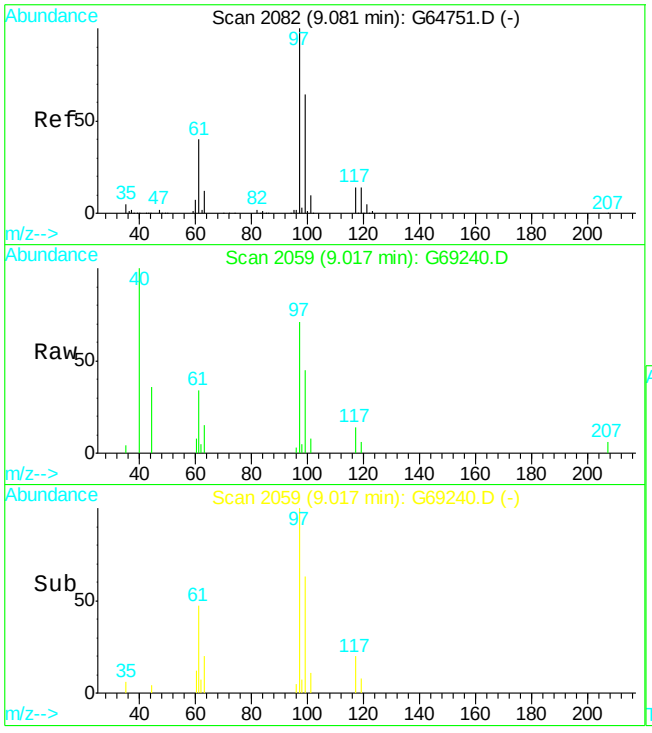




#36
cis-1,2-dichloroethene
Concen: 0.54 ppb
RT: 8.06 min Scan# 1716
Delta R.T. 0.00 min
Lab File: G69240.D
Acq: 27 Apr 2007 11:49 pm

Tgt Ion: 96 Resp: 2633

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 132.8 | 103.3 | 163.3 |
| 98 | 60.2 | 35.4 | 95.4 |

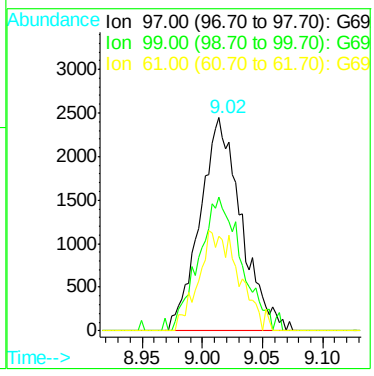


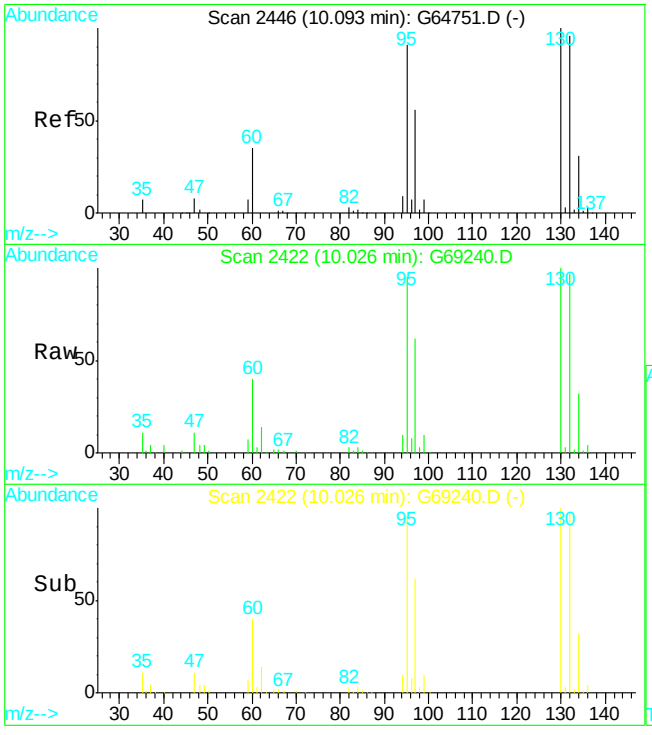



#42
1,1,1-trichloroethane
Concen: 0.96 ppb
RT: 9.02 min Scan# 2059
Delta R.T. 0.00 min
Lab File: G69240.D
Acq: 27 Apr 2007 11:49 pm

Tgt Ion: 97 Resp: 5822

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.1 | 33.7 | 93.7 |
| 61 | 46.9 | 14.3 | 74.3 |

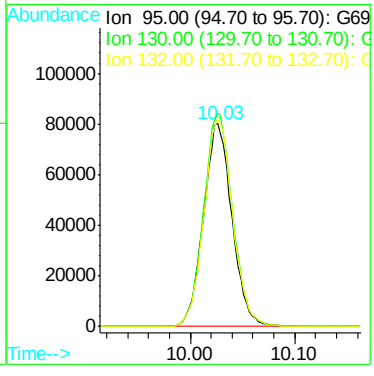


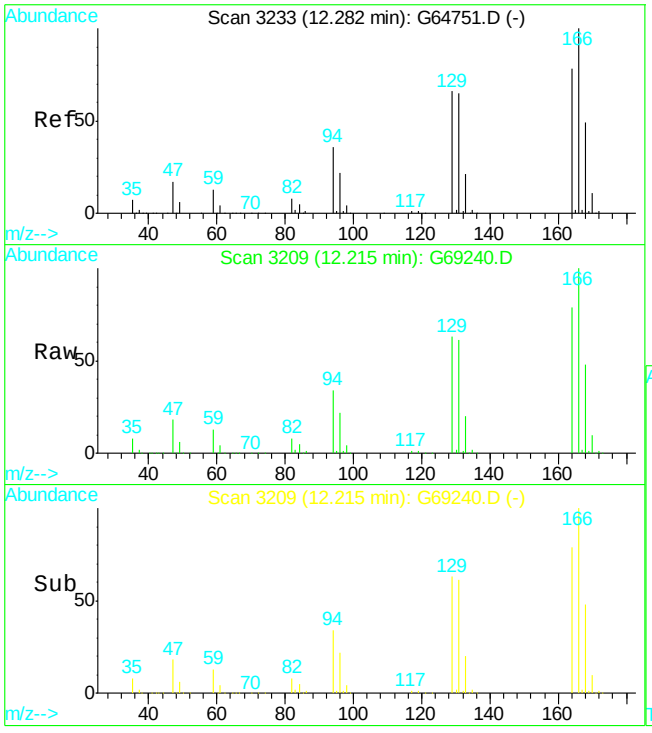




#51
trichloroethene
Concen: 36.10 ppb
RT: 10.03 min Scan# 2422
Delta R.T. -0.00 min
Lab File: G69240.D
Acq: 27 Apr 2007 11:49 pm

Tgt Ion: 95 Resp: 152275

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 130 | 104.9 | 70.8 | 130.8 |
| 132 | 102.1 | 69.6 | 129.6 |

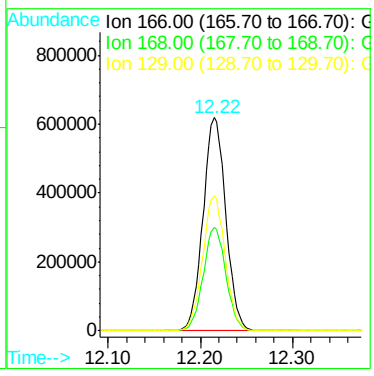





#67
tetrachloroethene
Concen: 197.70 ppb
RT: 12.22 min Scan# 3209
Delta R.T. -0.00 min
Lab File: G69240.D
Acq: 27 Apr 2007 11:49 pm

Tgt Ion:166 Resp: 1059842

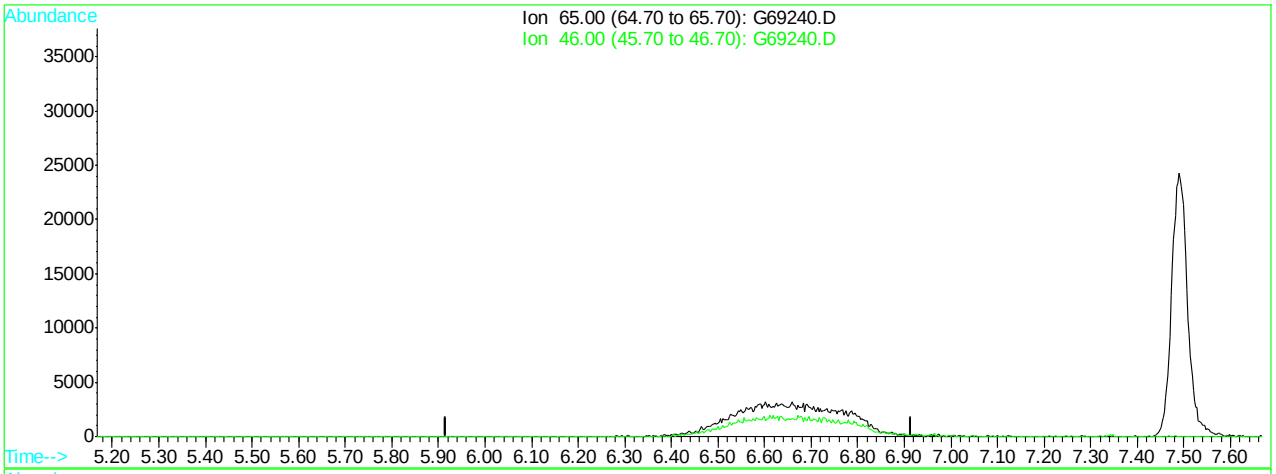
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 168 | 48.4 | 19.5 | 79.5 |
| 129 | 63.4 | 34.6 | 94.6 |

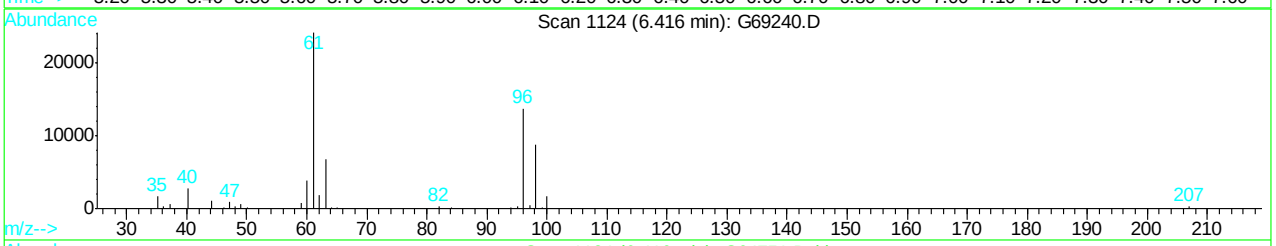


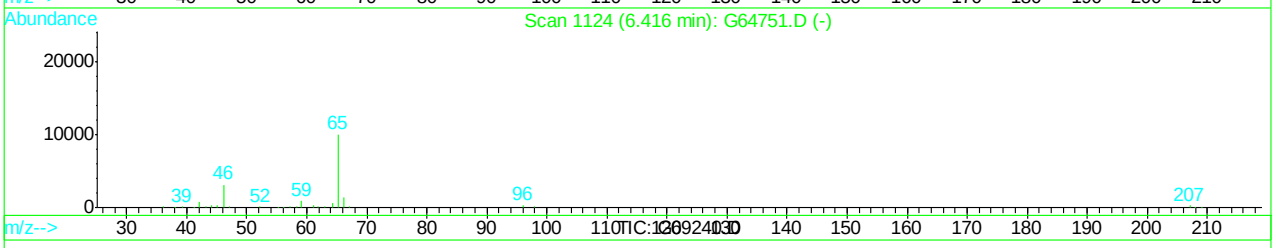
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69240.D  Vial: 11
Acq On : 27 Apr 2007 11:49 pm  Operator: kimt
Sample : M64162-12  Inst : 5973 G
Misc : MS13447,MSG2784,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 10:02 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Multiple Level Calibration




(1) tert butyl alcohol-d9 (I)

6.42min 0.00ppb

response 0

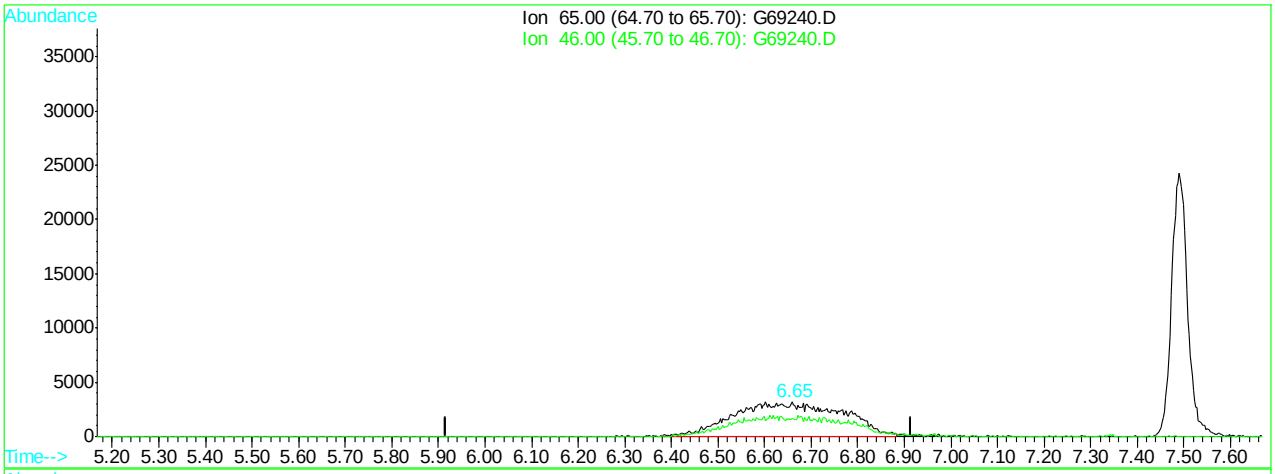
| Ion | Exp% | Act% |
|---|---|---|
| 65.00 | 100 | 0.00 |
| 46.00 | 49.10 | 0.00# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

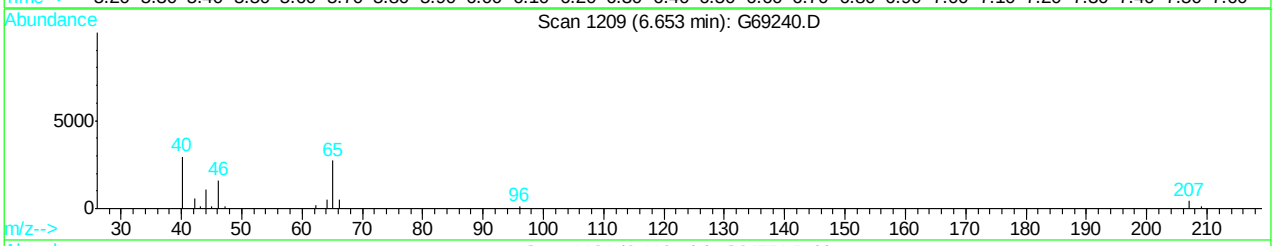
G69240.D G042507W.M Mon Apr 30 10:29:53 2007 RP1

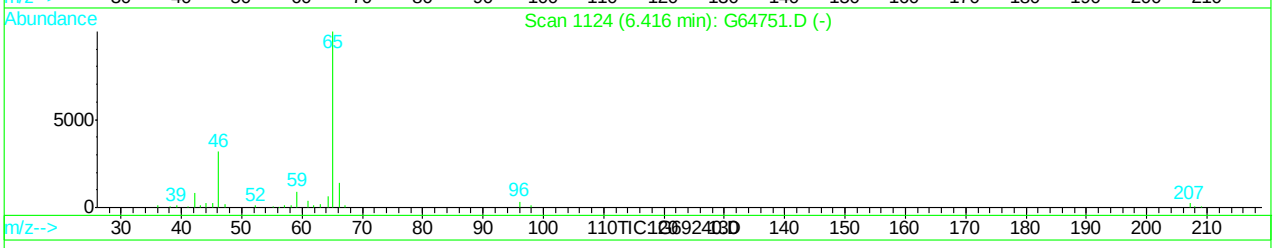
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69240.D  Vial: 11
Acq On : 27 Apr 2007 11:49 pm  Operator: kimt
Sample : M64162-12  Inst : 5973 G
Misc : MS13447,MSG2784,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 10:29 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Multiple Level Calibration




(1) tert butyl alcohol-d9 (I)

6.65min 500.00ppb m

response 51465

| Ion | Exp% | Act% |
|---|---|---|
| 65.00 | 100 | 100 |
| 46.00 | 49.10 | 59.74 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

G69240.D G042507W.M Mon Apr 30 10:29:59 2007 RP1

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p17203.D
Acq On : 26 Apr 2007 1:03 pm
Operator : amym
Sample : m64162-13
Misc : ms13438,msp589,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 27 10:14:29 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 25 09:57:54 2007
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 6.615 | 65 | 115020 | 500.00 | ug/L | 0.02 |
| 3) pentafluorobenzene | 9.004 | 168 | 120861 | 50.00 | ug/L | 0.00 |
| 42) 1,4-difluorobenzene | 9.876 | 114 | 204420 | 50.00 | ug/L | 0.00 |
| 65) chlorobenzene-d5 | 13.131 | 82 | 134698 | 50.00 | ug/L | 0.00 |
| 79) 1,4-dichlorobenzene-d4 | 15.692 | 152 | 100213 | 50.00 | ug/L | 0.00 |

System Monitoring Compounds

| | | | | | | |
|---|---|---|---|---|---|---|
| 39) dibromofluoromethane (s) | 8.646 | 113 | 70891 | 51.22 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 85 - 129 | | Recovery = 102.44% | | | |
| 59) toluene-d8 (s) | 11.673 | 98 | 263041 | 50.94 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 101.88% | | | |
| 81) bromofluorobenzene (s) | 14.357 | 95 | 116517 | 47.80 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 119 | | Recovery = 95.60% | | | |

Target Compounds

| | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 16) acetone | 6.215 | 43 | 1075 | 3.78 | ug/L | 87 |
| 24) carbon disulfide | 7.079 | 76 | 2598 | 0.66 | ug/L | 83 |
| 50) trichloroethene | 10.295 | 95 | 1350 | 0.82 | ug/L | 91 |
| 90) 1,2,4-trimethylbenzene | 15.429 | 105 | 2433 | 0.45 | ug/L | 90 |
| 100) naphthalene | 18.193 | 128 | 6629 | 1.17 | ug/L | 100 |

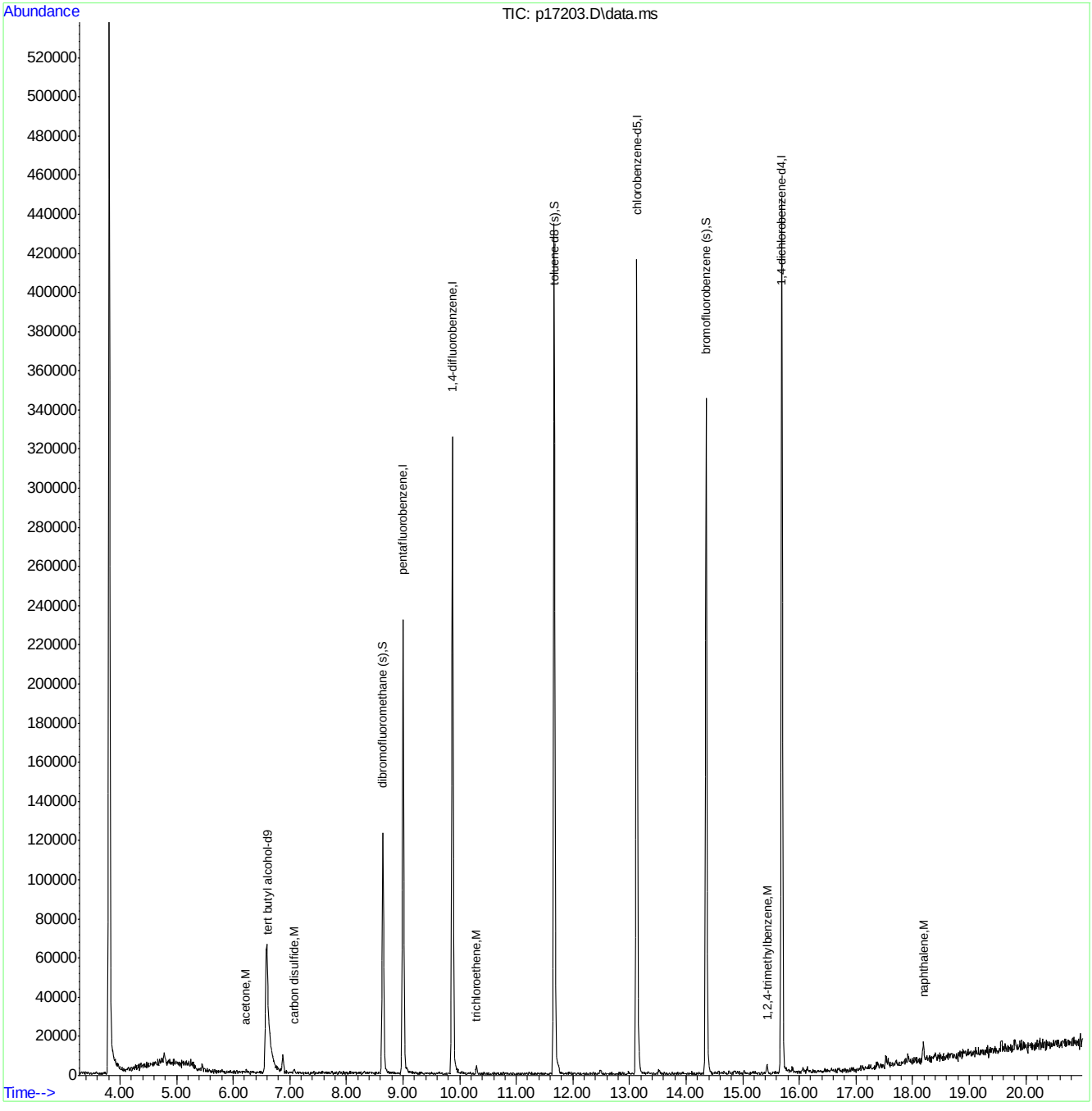
(#) = qualifier out of range (m) = manual integration (+) = signals summed

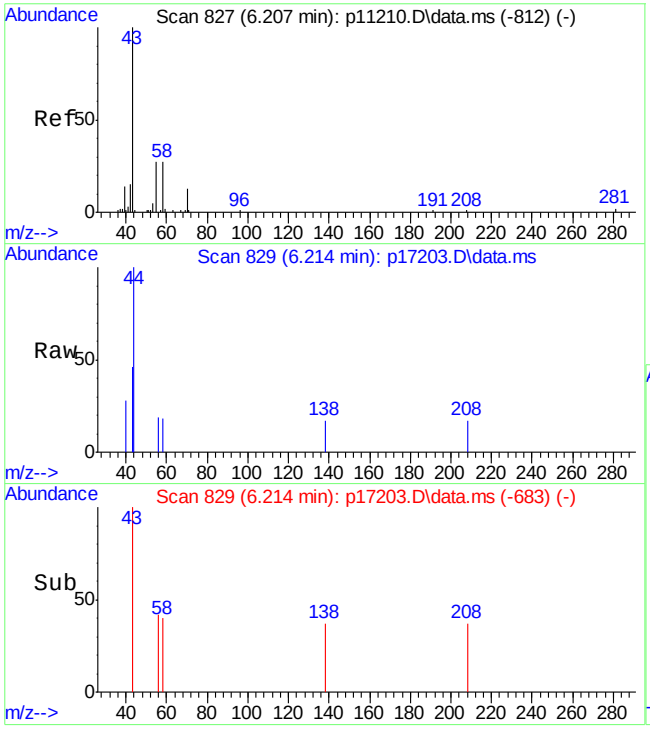
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p17203.D
Acq On : 26 Apr 2007 1:03 pm
Operator : amym
Sample : m64162-13
Misc : ms13438,msp589,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 27 10:14:29 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 25 09:57:54 2007
Response via : Initial Calibration



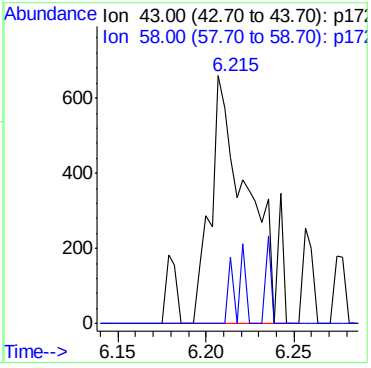


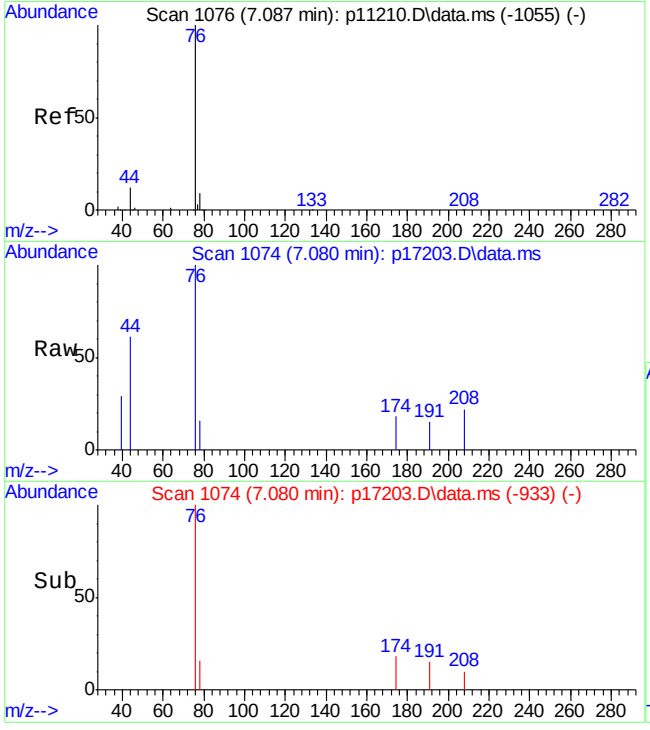



#16
acetone
Concen: 3.78 ug/L
RT: 6.215 min Scan# 829
Delta R.T. 0.017 min
Lab File: p17203.D
Acq: 26 Apr 2007 1:03 pm

Tgt Ion: 43 Resp: 1075

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 39.8 | 2.4 | 62.4 |

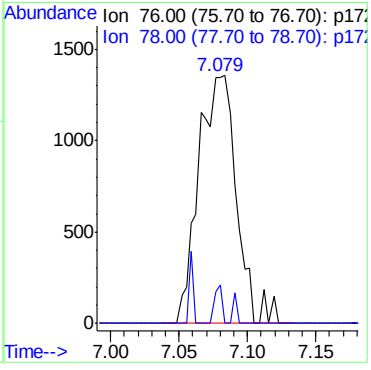


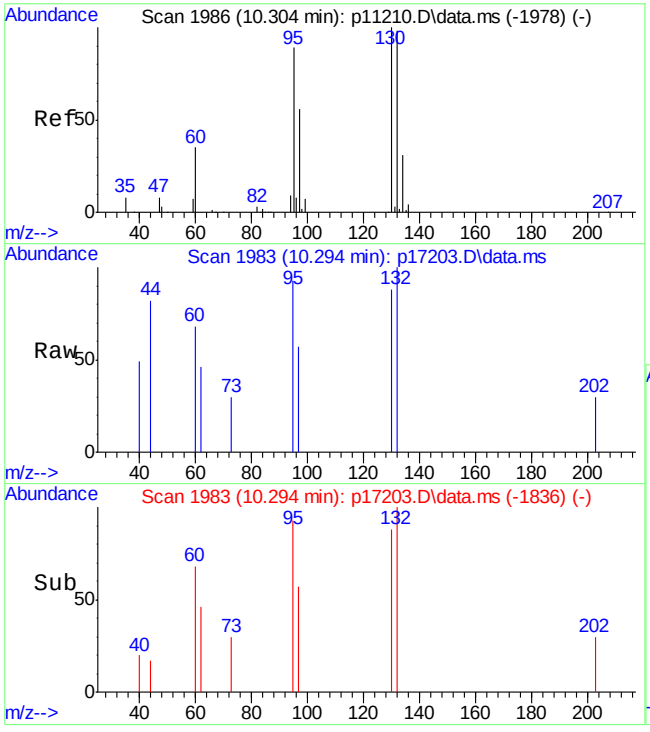




#24
carbon disulfide
Concen: 0.66 ug/L
RT: 7.079 min Scan# 1074
Delta R.T. -0.003 min
Lab File: p17203.D
Acq: 26 Apr 2007 1:03 pm

Tgt Ion: 76 Resp: 2598

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 15.5 | 0.0 | 39.2 |

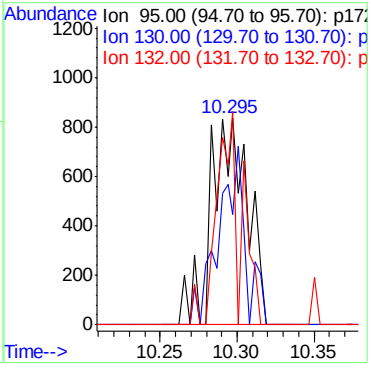


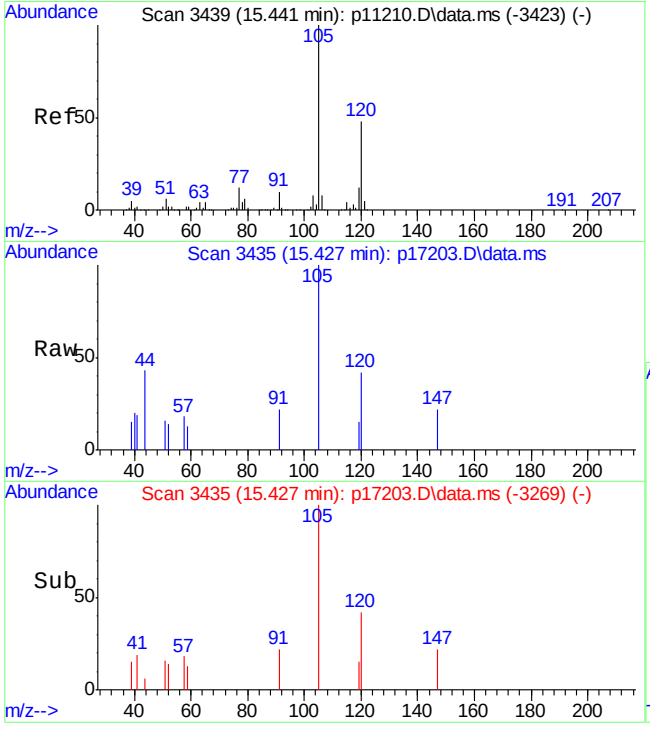



#50
trichloroethene
Concen: 0.82 ug/L
RT: 10.295 min Scan# 1983
Delta R.T. -0.001 min
Lab File: p17203.D
Acq: 26 Apr 2007 1:03 pm

Tgt Ion: 95 Resp: 1350

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 130 | 94.7 | 81.4 | 141.4 |
| 132 | 107.8 | 80.8 | 140.8 |

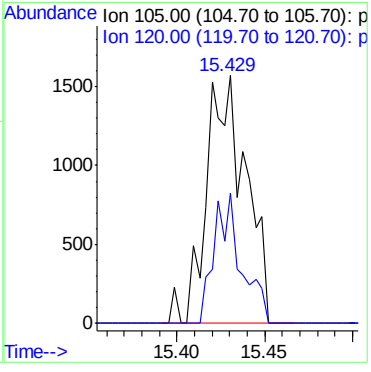


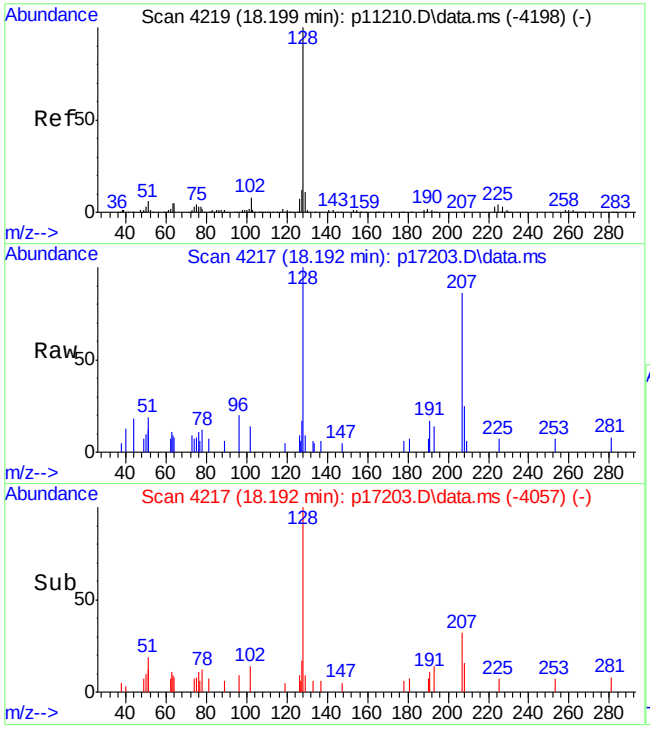




#90
1,2,4-trimethylbenzene
Concen: 0.45 ug/L
RT: 15.429 min Scan# 3435
Delta R.T. -0.002 min
Lab File: p17203.D
Acq: 26 Apr 2007 1:03 pm

Tgt Ion:105 Resp: 2433

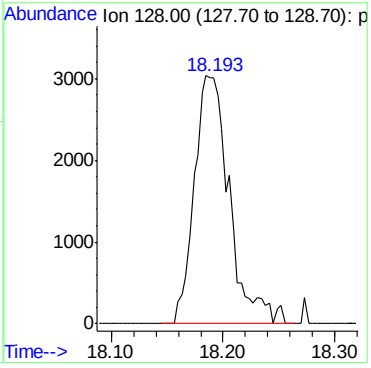
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 41.7 | 18.5 | 78.5 |






#100
naphthalene
Concen: 1.17 ug/L
RT: 18.193 min Scan# 4217
Delta R.T. 0.007 min
Lab File: p17203.D
Acq: 26 Apr 2007 1:03 pm

Tgt Ion:128 Resp: 6629



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18918.D Vial: 27
Acq On : 27 Apr 2007 2:56 pm Operator: alit
Sample : M64162-14 Inst : MAMSN
Misc : ms13438,msn684,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 27 18:29:19 2007 Quant Results File: N042007W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Apr 25 10:27:30 2007
Response via : Initial Calibration
DataAcq Meth : N8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 5.86 | 65 | 60500 | 500.00 | ug/L | 0.00 |
| 3) pentafluorobenzene | 8.28 | 168 | 93315 | 50.00 | ug/L | 0.00 |
| 43) 1,4-difluorobenzene | 9.14 | 114 | 133252 | 50.00 | ug/L | 0.00 |
| 66) chlorobenzene-d5 | 12.38 | 82 | 73586 | 50.00 | ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 14.94 | 152 | 80440 | 50.00 | ug/L | 0.00 |

System Monitoring Compounds

| | | | | | | |
|---|---|---|---|---|---|---|
| 40) dibromofluoromethane (s) | 7.91 | 113 | 51950 | 58.62 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 84 - 129 | | Recovery = 117.24% | | | |
| 60) toluene-d8 (s) | 10.93 | 98 | 172143 | 51.44 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 102.88% | | | |
| 82) bromofluorobenzene (s) | 13.61 | 95 | 67144 | 52.80 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 82 - 118 | | Recovery = 105.60% | | | |

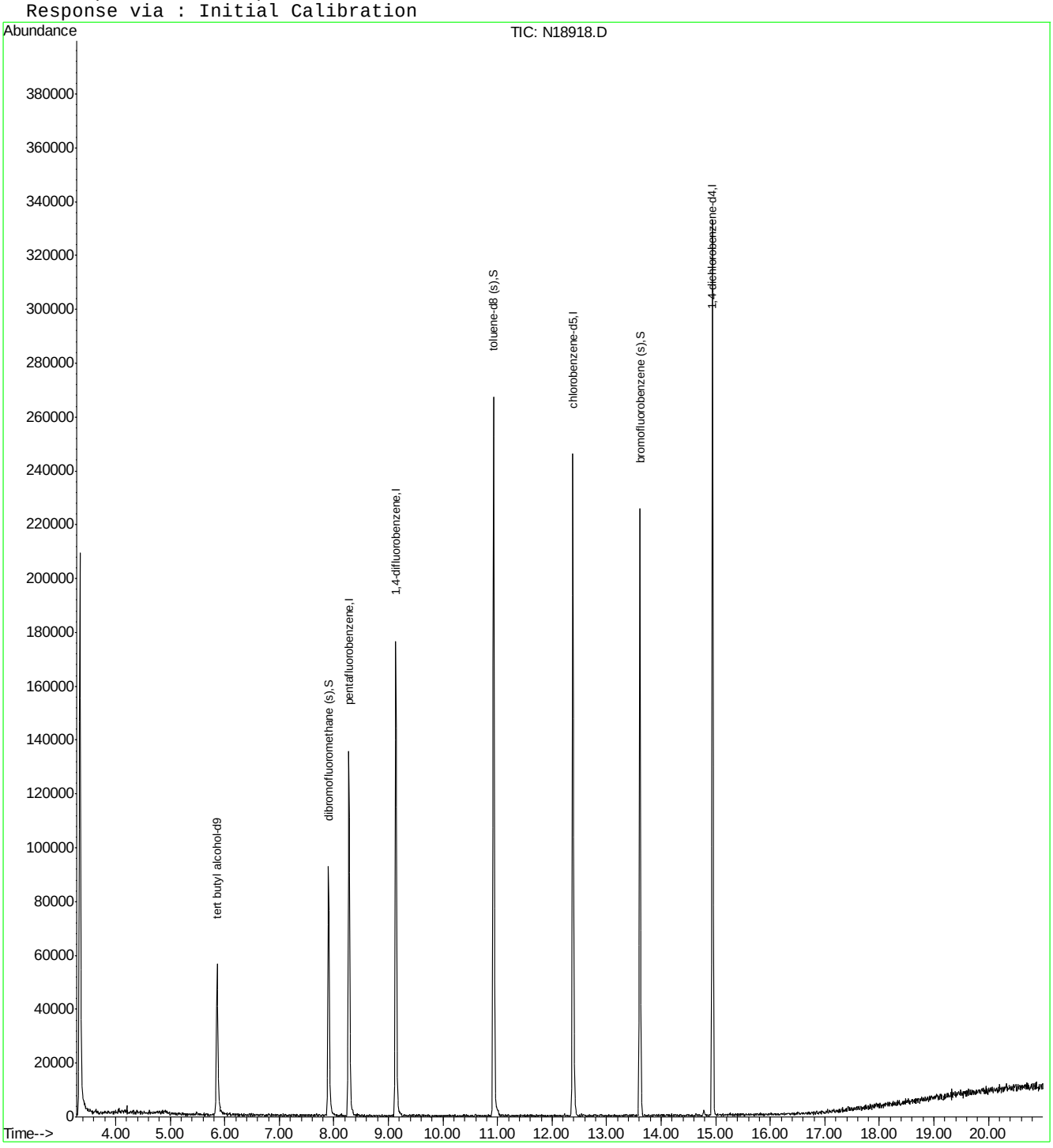
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18918.D Vial: 27
Acq On : 27 Apr 2007 2:56 pm Operator: alit
Sample : M64162-14 Inst : MAMSN
Misc : ms13438,msn684,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 30 12:42 2007 Quant Results File: N042007W.RES

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Apr 25 10:27:30 2007
Response via : Initial Calibration




N18918.D N042007W.M Mon Apr 30 12:43:39 2007 RP1 Page 2

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18919.D Vial: 28
Acq On : 27 Apr 2007 3:25 pm Operator: alit
Sample : M64162-15 Inst : MAMSN
Misc : ms13438,msn684,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 27 17:03:23 2007 Quant Results File: N042007W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Apr 25 10:27:30 2007
Response via : Initial Calibration
DataAcq Meth : N8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 5.86 | 65 | 53055 | 500.00 | ug/L | 0.00 |
| 3) pentafluorobenzene | 8.28 | 168 | 89389 | 50.00 | ug/L | 0.00 |
| 43) 1,4-difluorobenzene | 9.14 | 114 | 128342 | 50.00 | ug/L | 0.00 |
| 66) chlorobenzene-d5 | 12.38 | 82 | 70611 | 50.00 | ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 14.94 | 152 | 79120 | 50.00 | ug/L | 0.00 |

System Monitoring Compounds

| | | | | | | |
|---|---|---|---|---|---|---|
| 40) dibromofluoromethane (s) | 7.90 | 113 | 50596 | 59.60 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 84 - 129 | | Recovery = 119.20% | | | |
| 60) toluene-d8 (s) | 10.93 | 98 | 166913 | 51.79 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 103.58% | | | |
| 82) bromofluorobenzene (s) | 13.61 | 95 | 65796 | 52.60 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 82 - 118 | | Recovery = 105.20% | | | |

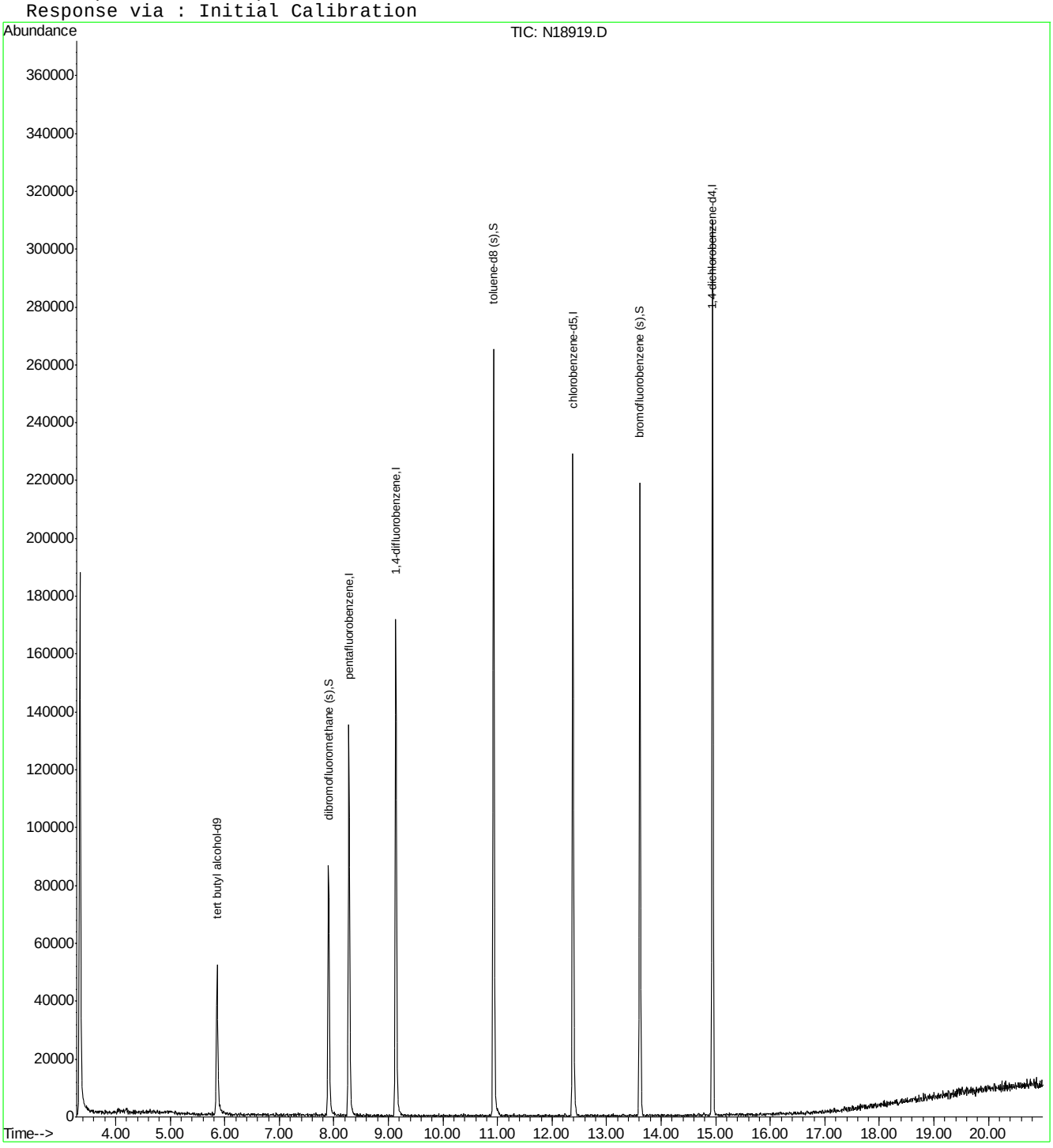
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed
N18919.D N042007W.M Sat Apr 28 10:48:38 2007 RP1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18919.D Vial: 28
Acq On : 27 Apr 2007 3:25 pm Operator: alit
Sample : M64162-15 Inst : MAMSN
Misc : ms13438,msn684,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 27 17:04 2007 Quant Results File: N042007W.RES

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Apr 25 10:27:30 2007
Response via : Initial Calibration




N18919.D N042007W.M Sat Apr 28 10:48:39 2007 RP1 Page 2

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69230.D Vial: 1
Acq On : 27 Apr 2007 7:26 pm Operator: kimt
Sample : M64162-16 Inst : 5973 G
Misc : MS13447,MSG2784,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 9:53 2007 Quant Results File: G042507W.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration
DataAcq Meth : G8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 6.44 | 65 | 76047 | 500.00 | ppb | 0.02 |
| 3) pentafluorobenzene | 8.74 | 168 | 438139 | 50.00 | ppb | 0.00 |
| 43) 1,4-difluorobenzene | 9.61 | 114 | 601169 | 50.00 | ppb | 0.00 |
| 66) chlorobenzene-d5 | 12.86 | 82 | 318305 | 50.00 | ppb | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 15.42 | 152 | 347998 | 50.00 | ppb | 0.00 |

System Monitoring Compounds

| | | | | | | |
|---|---|---|---|---|---|---|
| 40) dibromofluoromethane (s) | 8.38 | 113 | 192362 | 50.72 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 83 - 127 | | Recovery = 101.44% | | | |
| 60) toluene-d8 (s) | 11.40 | 98 | 745887 | 51.02 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 89 - 112 | | Recovery = 102.04% | | | |
| 82) bromofluorobenzene (s) | 14.09 | 95 | 288443 | 50.50 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 81 - 119 | | Recovery = 101.00% | | | |

Target Compounds

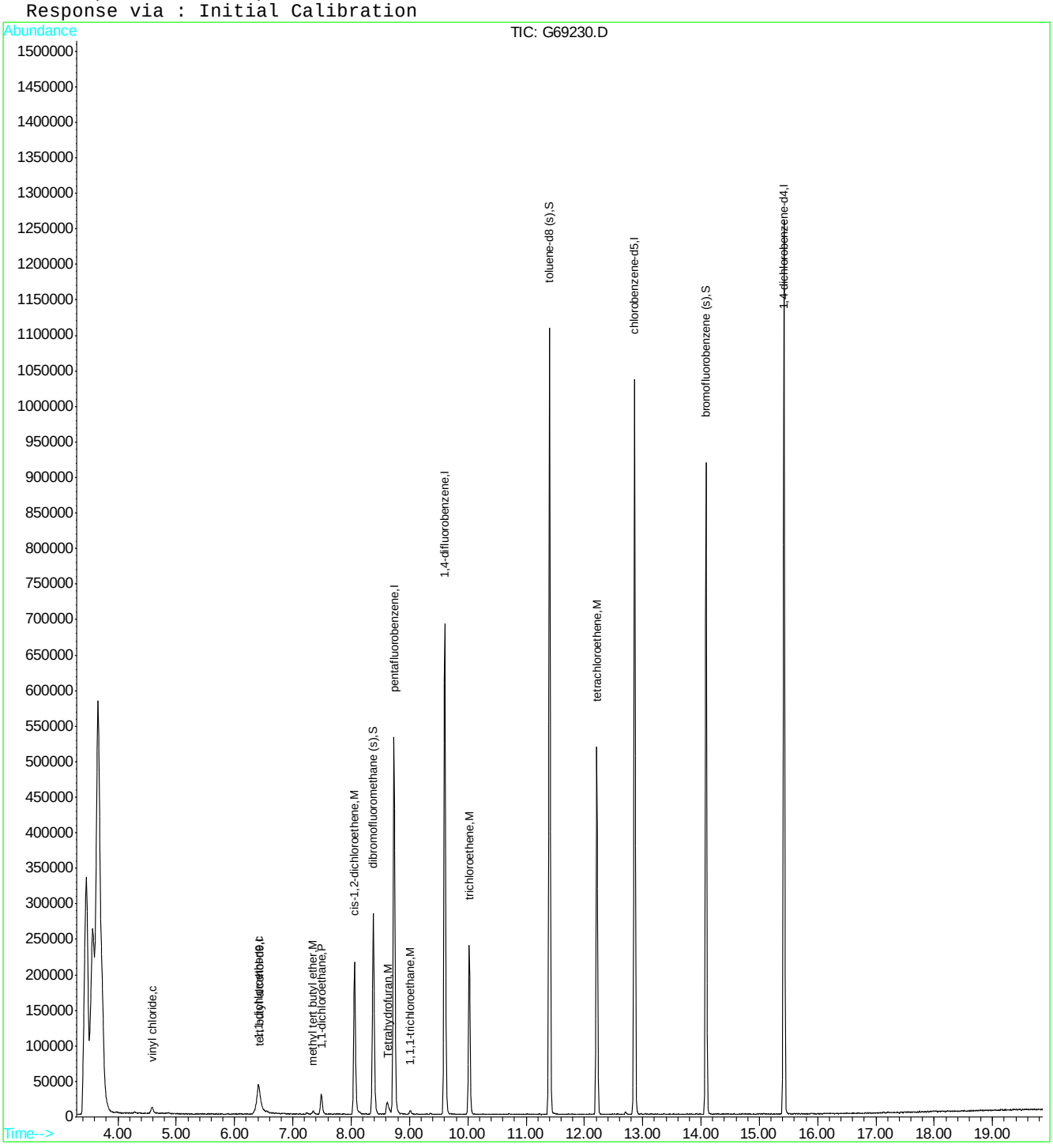
| | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 7) vinyl chloride | 4.59 | 62 | 15362 | 3.25 | ppb | 85 |
| 15) 1,1-dichloroethene | 6.42 | 96 | 10744 | 2.75 | ppb | 87 |
| 19) methyl tert butyl ether | 7.35 | 73 | 4755 | 0.40 | ppb | 96 |
| 32) 1,1-dichloroethane | 7.49 | 63 | 33889 | 4.42 | ppb | 99 |
| 36) cis-1,2-dichloroethene | 8.06 | 96 | 107398 | 21.70 | ppb | 94 |
| 41) Tetrahydrofuran | 8.64 | 42 | 18234 | 13.79 | ppb | 99 |
| 42) 1,1,1-trichloroethane | 9.01 | 97 | 4129 | 0.67 | ppb | 90 |
| 51) trichloroethene | 10.03 | 95 | 81202 | 19.40 | ppb | 95 |
| 67) tetrachloroethene | 12.21 | 166 | 172610 | 32.15 | ppb | 98 |

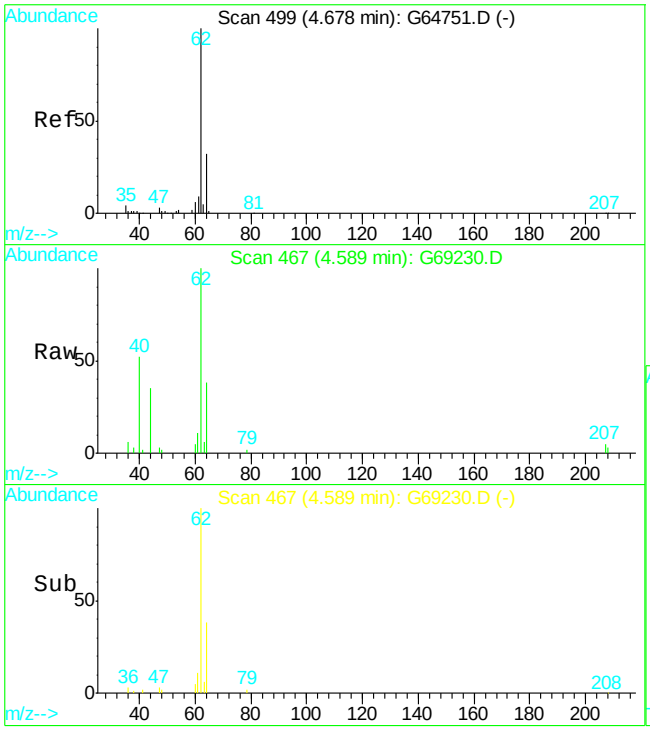
(#) = qualifier out of range (m) = manual integration
G69230.D G042507W.M Mon Apr 30 09:53:47 2007 RP1

# Quantitation Report

Data File : C:\HPCHEM\1\DATA\G69230.D  Vial: 1
Acq On : 27 Apr 2007 7:26 pm  Operator: kimt
Sample : M64162-16  Inst : 5973 G
Misc : MS13447,MSG2784,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 9:53 2007  Quant Results File: G042507W.RES

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration

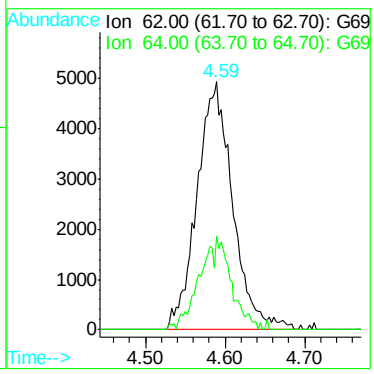


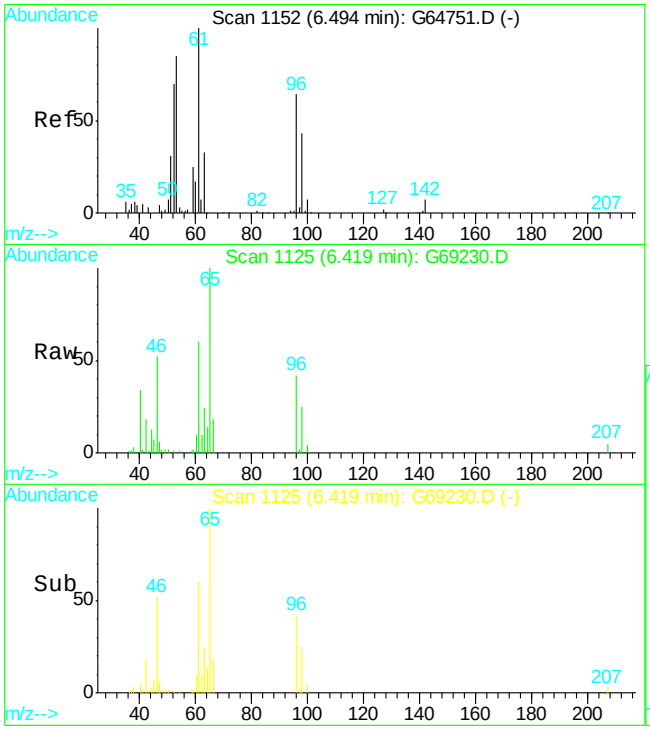



#7
vinyl chloride
Concen: 3.25 ppb
RT: 4.59 min Scan# 467
Delta R.T. -0.01 min
Lab File: G69230.D
Acq: 27 Apr 2007 7:26 pm

Tgt Ion: 62 Resp: 15362

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 37.6 | 0.0 | 59.6 |

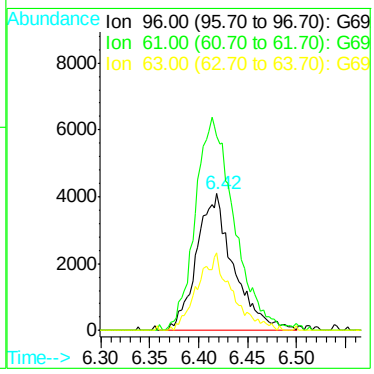


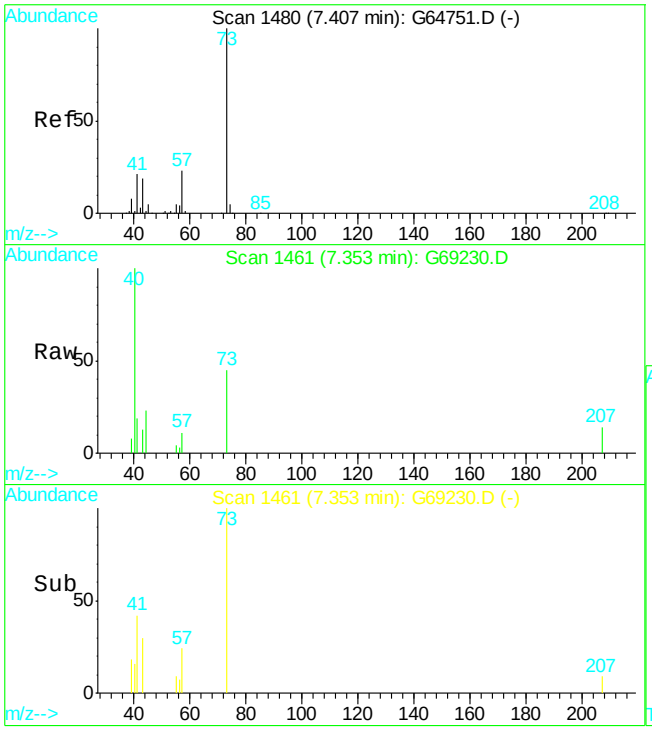




#15
1,1-dichloroethene
Concen: 2.75 ppb
RT: 6.42 min Scan# 1125
Delta R.T. 0.00 min
Lab File: G69230.D
Acq: 27 Apr 2007 7:26 pm

Tgt Ion: 96 Resp: 10744

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 142.2 | 130.9 | 190.9 |
| 63 | 56.9 | 20.9 | 80.9 |

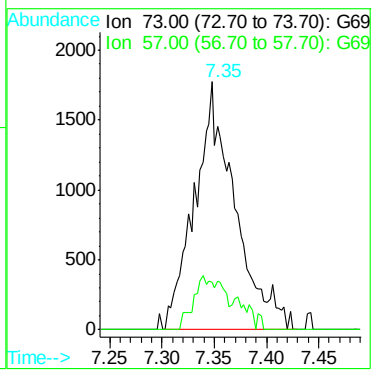


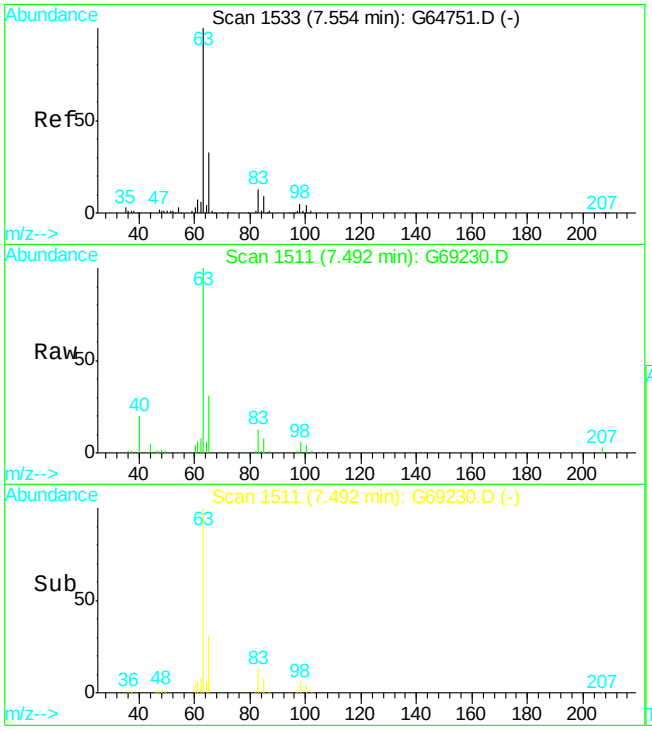



#19
methyl tert butyl ether
Concen: 0.40 ppb
RT: 7.35 min Scan# 1461
Delta R.T. 0.01 min
Lab File: G69230.D
Acq: 27 Apr 2007 7:26 pm

Tgt Ion: 73 Resp: 4755

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 24.0 | 0.0 | 52.1 |

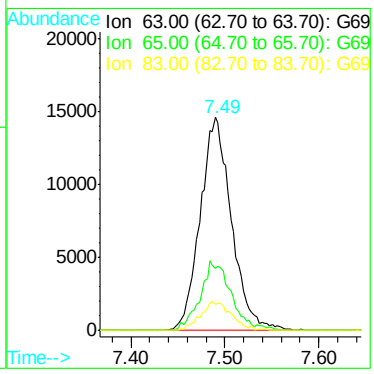


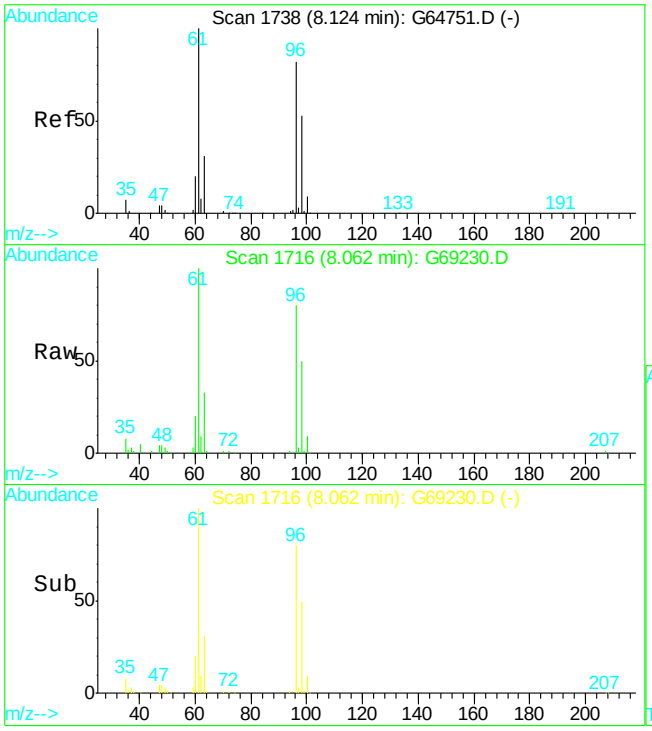




#32
1,1-dichloroethane
Concen: 4.42 ppb
RT: 7.49 min Scan# 1511
Delta R.T. 0.00 min
Lab File: G69230.D
Acq: 27 Apr 2007 7:26 pm

Tgt Ion: 63 Resp: 33889

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.7 | 1.3 | 61.3 |
| 83 | 13.0 | 0.0 | 42.8 |

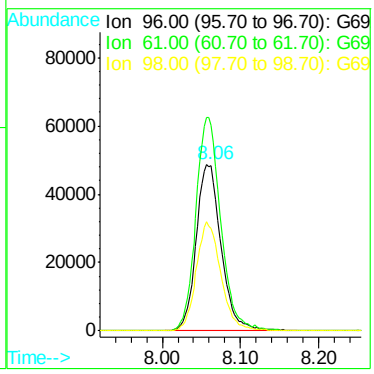


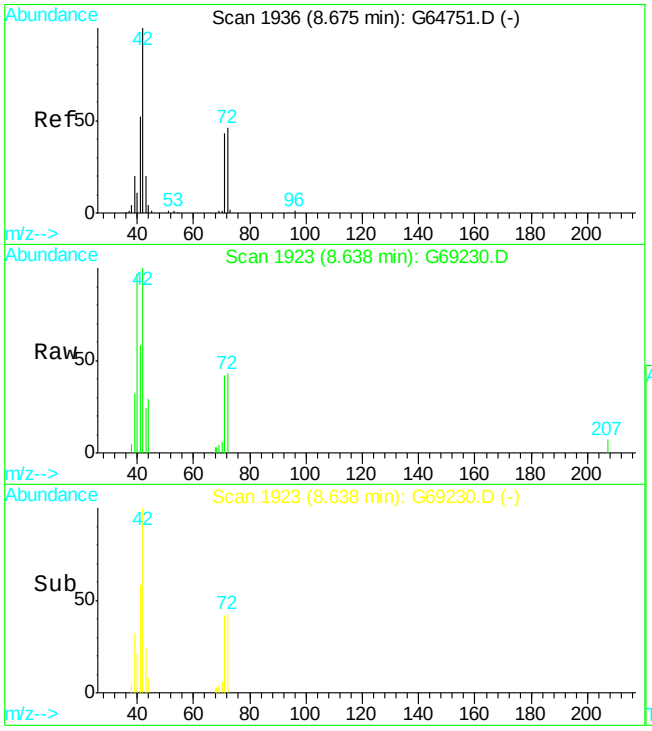



#36
cis-1,2-dichloroethene
Concen: 21.70 ppb
RT: 8.06 min Scan# 1716
Delta R.T. 0.00 min
Lab File: G69230.D
Acq: 27 Apr 2007 7:26 pm

Tgt Ion: 96 Resp: 107398

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 124.6 | 103.3 | 163.3 |
| 98 | 61.7 | 35.4 | 95.4 |

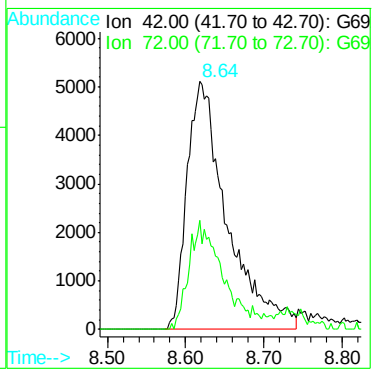


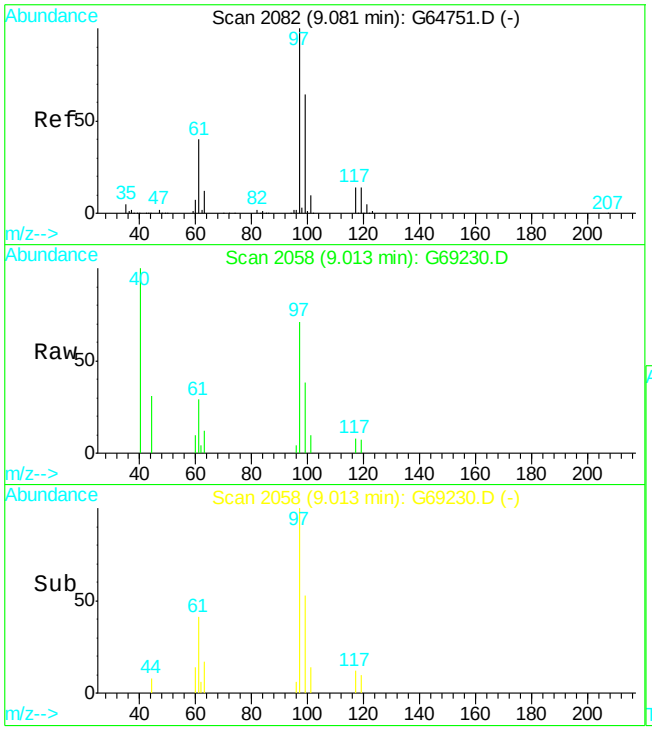




#41
Tetrahydrofuran
Concen: 13.79 ppb
RT: 8.64 min Scan# 1923
Delta R.T. 0.01 min
Lab File: G69230.D
Acq: 27 Apr 2007 7:26 pm

Tgt Ion: 42 Resp: 18234

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 43.3 | 14.0 | 74.0 |

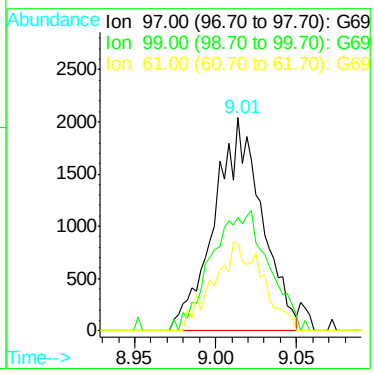


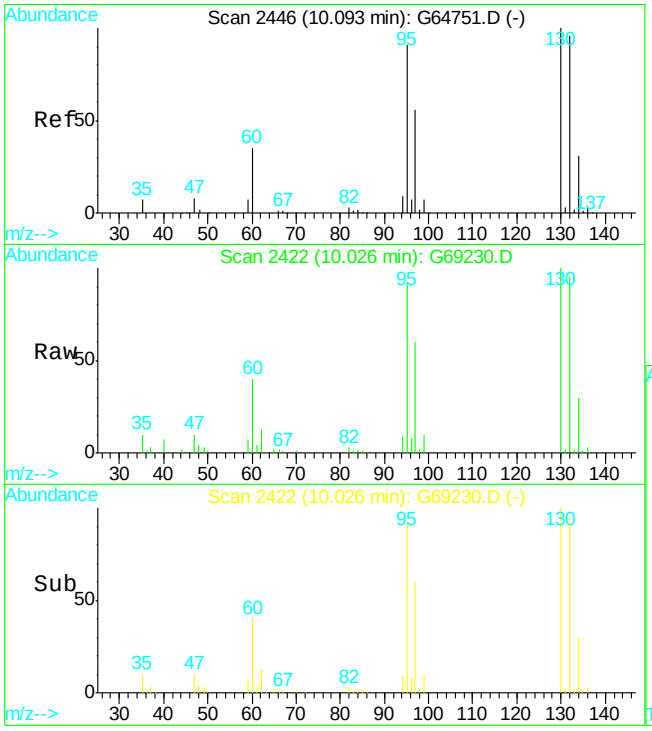



#42
1,1,1-trichloroethane
Concen: 0.67 ppb
RT: 9.01 min Scan# 2058
Delta R.T. -0.00 min
Lab File: G69230.D
Acq: 27 Apr 2007 7:26 pm

Tgt Ion: 97 Resp: 4129

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 53.4 | 33.7 | 93.7 |
| 61 | 40.6 | 14.3 | 74.3 |

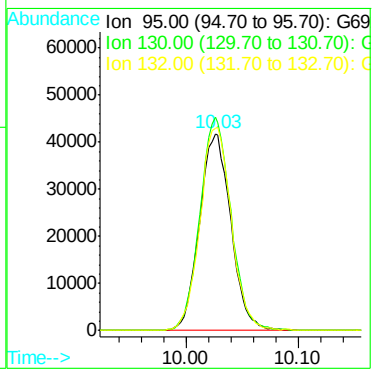


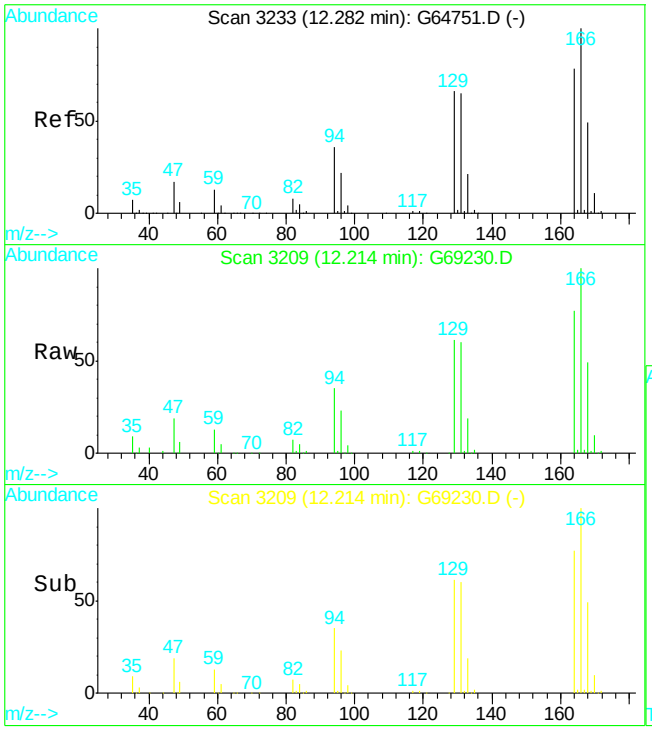




#51
trichloroethene
Concen: 19.40 ppb
RT: 10.03 min Scan# 2422
Delta R.T. -0.00 min
Lab File: G69230.D
Acq: 27 Apr 2007 7:26 pm

Tgt Ion: 95 Resp: 81202

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 130 | 108.3 | 70.8 | 130.8 |
| 132 | 102.9 | 69.6 | 129.6 |

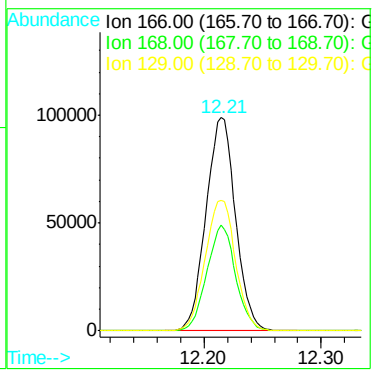





#67
tetrachloroethene
Concen: 32.15 ppb
RT: 12.21 min Scan# 3209
Delta R.T. -0.00 min
Lab File: G69230.D
Acq: 27 Apr 2007 7:26 pm

Tgt Ion:166 Resp: 172610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 168 | 49.5 | 19.5 | 79.5 |
| 129 | 61.2 | 34.6 | 94.6 |



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p17204.D
Acq On : 26 Apr 2007 1:31 pm
Operator : amym
Sample : m64162-17
Misc : ms13438,msp589,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 27 10:49:08 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 25 09:57:54 2007
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 6.615 | 65 | 107850 | 500.00 ug/L | 0.02 |
| 3) pentafluorobenzene | 9.006 | 168 | 127064 | 50.00 ug/L | 0.00 |
| 42) 1,4-difluorobenzene | 9.875 | 114 | 221525 | 50.00 ug/L | 0.00 |
| 65) chlorobenzene-d5 | 13.129 | 82 | 156724 | 50.00 ug/L | 0.00 |
| 79) 1,4-dichlorobenzene-d4 | 15.692 | 152 | 114317 | 50.00 ug/L | 0.00 |

| System Monitoring Compounds | | | | | |
|---|---|---|---|---|---|
| 39) dibromofluoromethane (s) | 8.649 | 113 | 77462 | 53.24 ug/L | 0.00 |
| Spiked Amount 50.000 | Range 85 - 129 | | Recovery = 106.48% | | |
| 59) toluene-d8 (s) | 11.672 | 98 | 285992 | 51.11 ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 102.22% | | |
| 81) bromofluorobenzene (s) | 14.356 | 95 | 140541 | 50.54 ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 119 | | Recovery = 101.08% | | |

| Target Compounds | | | | | Qvalue |
|---|---|---|---|---|---|
| 6) chloromethane | 4.489 | 50 | 16819 | 6.16 ug/L | 91 |
| 15) 1,1-dichloroethene | 6.689 | 96 | 7738172 | 6121.23 ug/L # | 11 |
| 16) acetone | 6.238 | 43 | 5693 | 9.74 ug/L | 63 |
| 19) methyl tert butyl ether | 7.589 | 73 | 26862 | 6.86 ug/L | 87 |
| 32) 1,1-dichloroethane | 7.752 | 63 | 34101 | 10.58 ug/L | 97 |
| 36) cis-1,2-dichloroethene | 8.322 | 96 | 14386 | 8.70 ug/L # | 73 |
| 38) chloroform | 8.528 | 83 | 4621 | 1.45 ug/L | 91 |
| 41) 1,1,1-trichloroethane | 9.284 | 97 | 29263979 | 12884.29 ug/L | 74 |
| 44) carbon tetrachloride | 9.643 | 117 | 6429 | 5.36 ug/L | 80 |
| 46) benzene | 9.677 | 78 | 1738 | 0.27 ug/L | 68 |
| 47) 1,2-dichloroethane | 9.180 | 62 | 4678 | 1.33 ug/L | 74 |
| 50) trichloroethene | 10.310 | 95 | 19364841 | 10788.13 ug/L | 91 |
| 61) toluene | 11.744 | 92 | 8353 | 2.07 ug/L # | 71 |
| 63) 1,1,2-trichloroethane | 11.557 | 83 | 5237 | 3.81 ug/L | 90 |
| 66) tetrachloroethene | 12.500 | 166 | 22471902 | 13781.73 ug/L | 98 |
| 71) chlorobenzene | 13.164 | 112 | 3734 | 0.77 ug/L | 91 |
| 72) 1,1,1,2-tetrachloroethane | 13.082 | 131 | 25417 | 15.60 ug/L | 88 |
| 73) ethylbenzene | 13.337 | 91 | 3404 | 0.41 ug/L | 96 |
| 74) m,p-xylene | 13.520 | 106 | 1006 | 0.36 ug/L # | 16 |

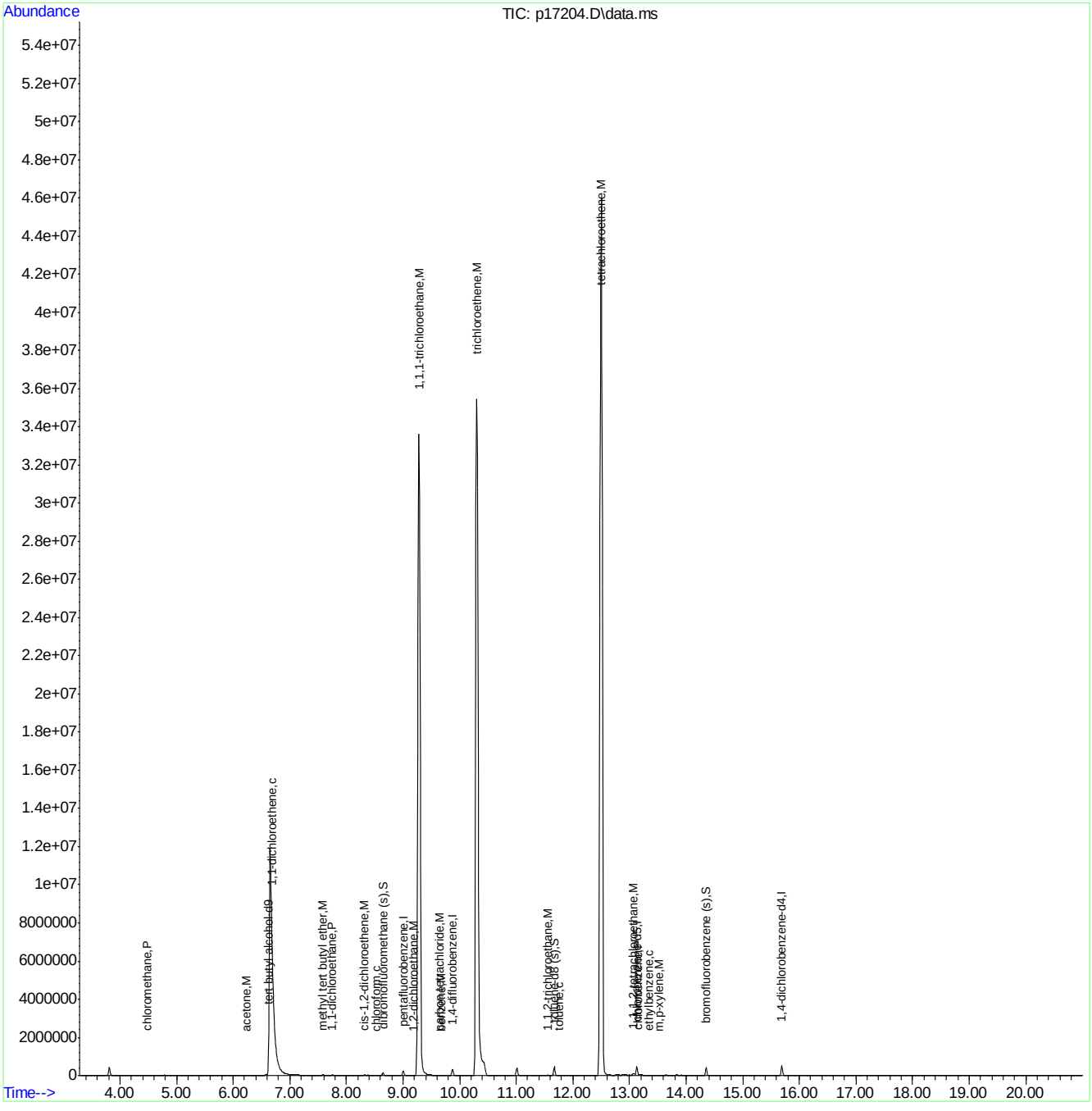
(#) = qualifier out of range (m) = manual integration (+) = signals summed

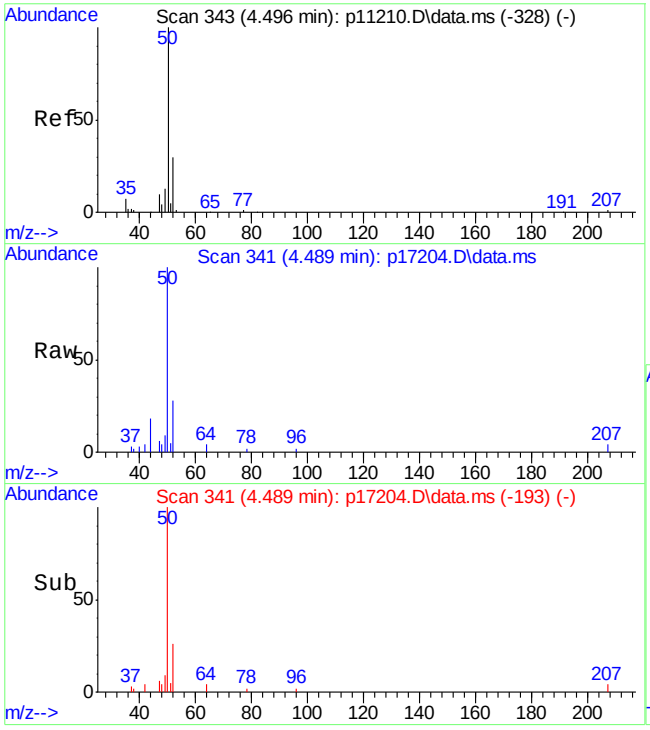
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p17204.D
Acq On : 26 Apr 2007 1:31 pm
Operator : amym
Sample : m64162-17
Misc : ms13438,msp589,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 27 10:49:08 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 25 09:57:54 2007
Response via : Initial Calibration



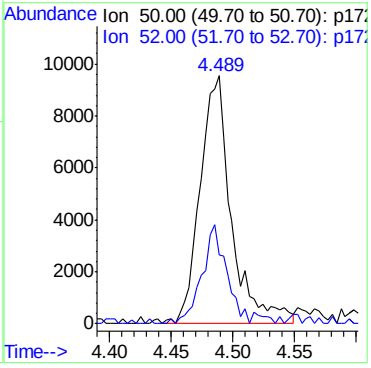


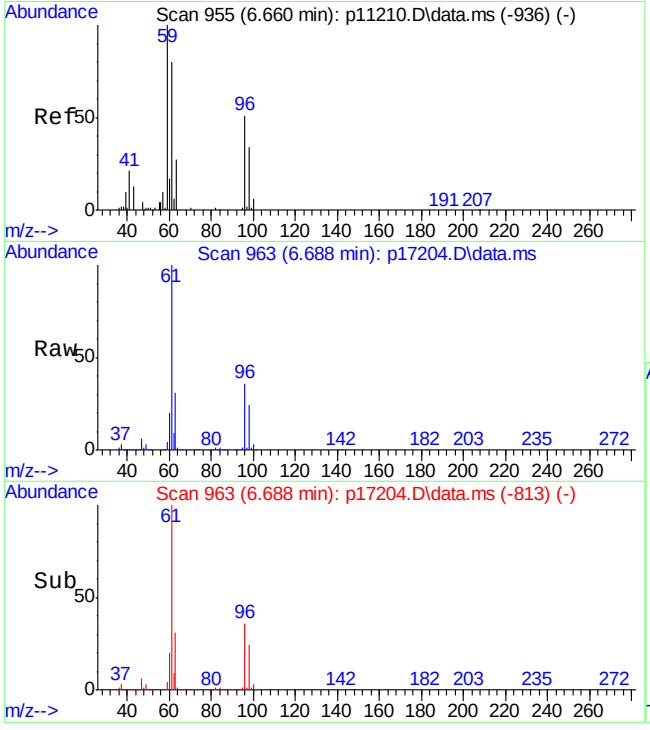



#6
chloromethane
Concen: 6.16 ug/L
RT: 4.489 min Scan# 341
Delta R.T. -0.005 min
Lab File: p17204.D
Acq: 26 Apr 2007 1:31 pm

Tgt Ion: 50 Resp: 16819

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 27.7 | 2.5 | 62.5 |

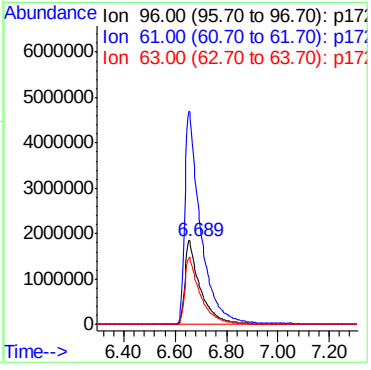


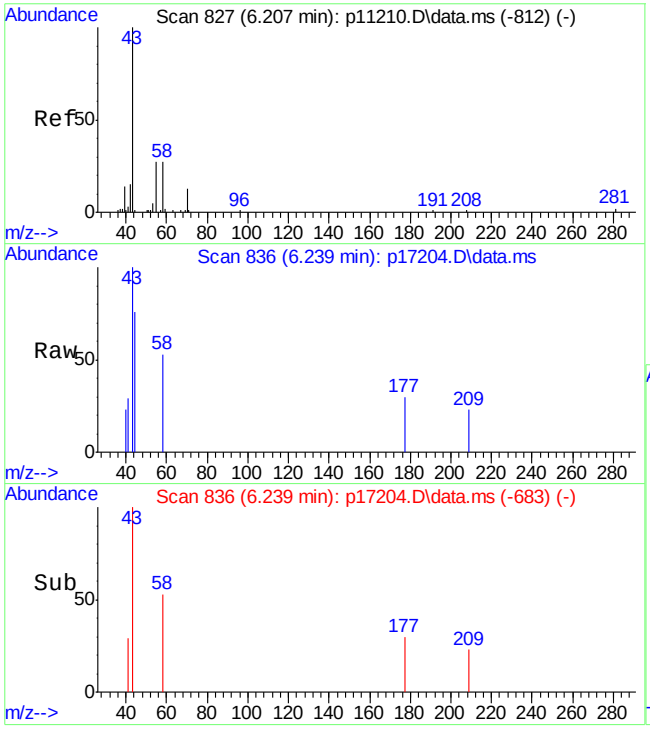




#15
1,1-dichloroethene
Concen: 6121.23 ug/L
RT: 6.689 min Scan# 963
Delta R.T. 0.033 min
Lab File: p17204.D
Acq: 26 Apr 2007 1:31 pm

Tgt Ion: 96 Resp: 7738172

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 274.2 | 116.4 | 176.4# |
| 63 | 83.9 | 19.0 | 79.0# |

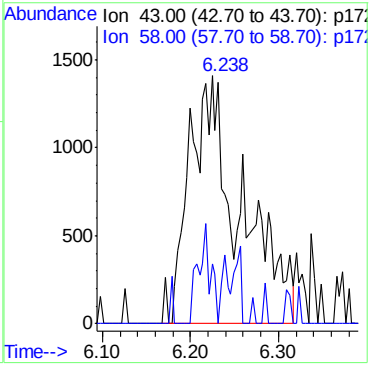


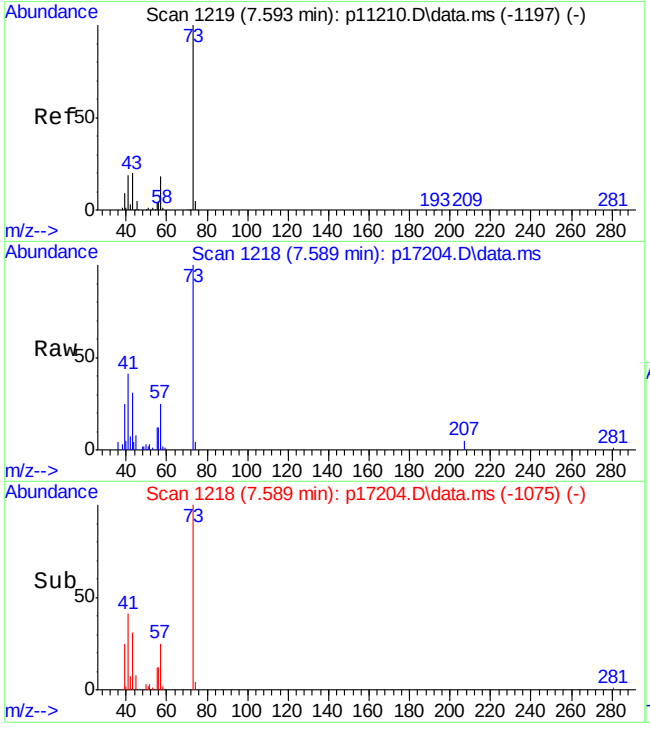



#16
acetone
Concen: 9.74 ug/L
RT: 6.238 min Scan# 836
Delta R.T. 0.040 min
Lab File: p17204.D
Acq: 26 Apr 2007 1:31 pm

Tgt Ion: 43 Resp: 5693

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 53.1 | 2.4 | 62.4 |

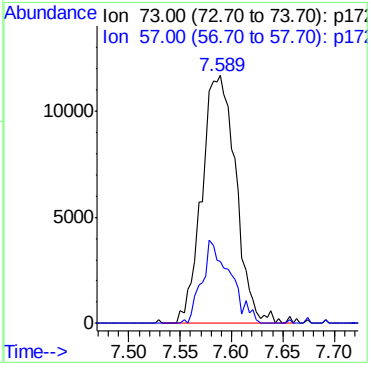


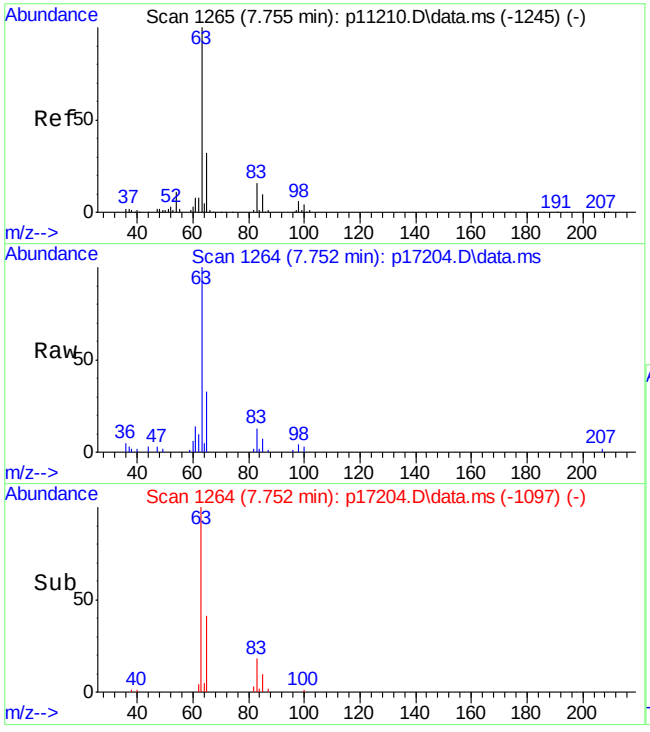




#19
methyl tert butyl ether
Concen: 6.86 ug/L
RT: 7.589 min Scan# 1218
Delta R.T. 0.004 min
Lab File: p17204.D
Acq: 26 Apr 2007 1:31 pm

Tgt Ion: 73 Resp: 26862

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 25.2 | 0.0 | 49.3 |

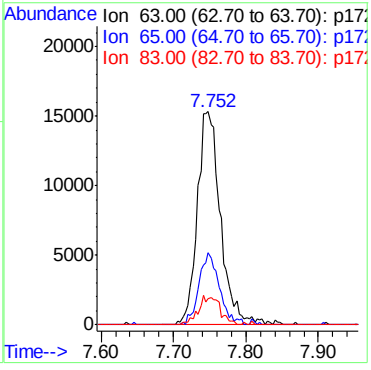


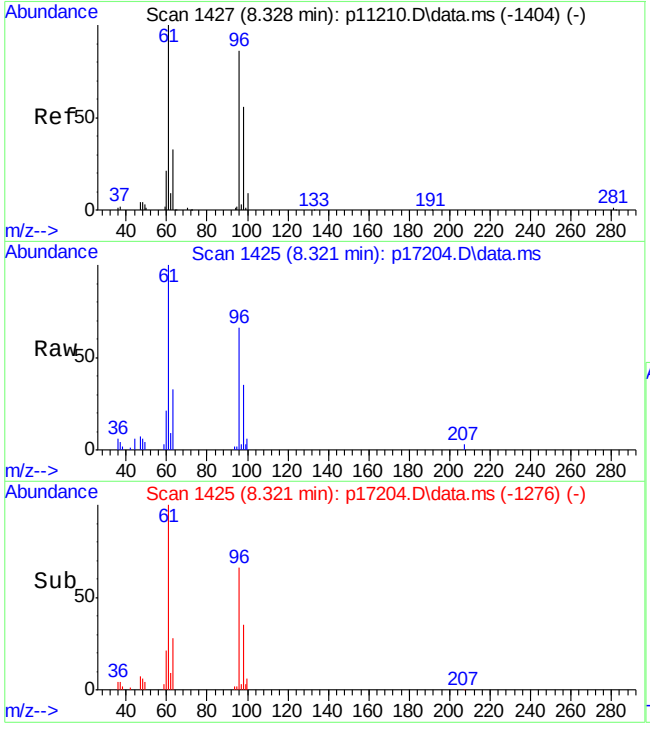



#32
1,1-dichloroethane
Concen: 10.58 ug/L
RT: 7.752 min Scan# 1264
Delta R.T. 0.000 min
Lab File: p17204.D
Acq: 26 Apr 2007 1:31 pm

Tgt Ion: 63 Resp: 34101

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 33.0 | 1.9 | 61.9 |
| 83 | 13.4 | 0.0 | 44.9 |

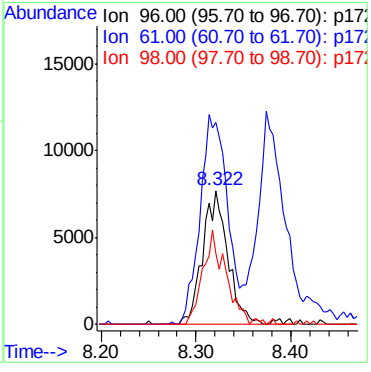


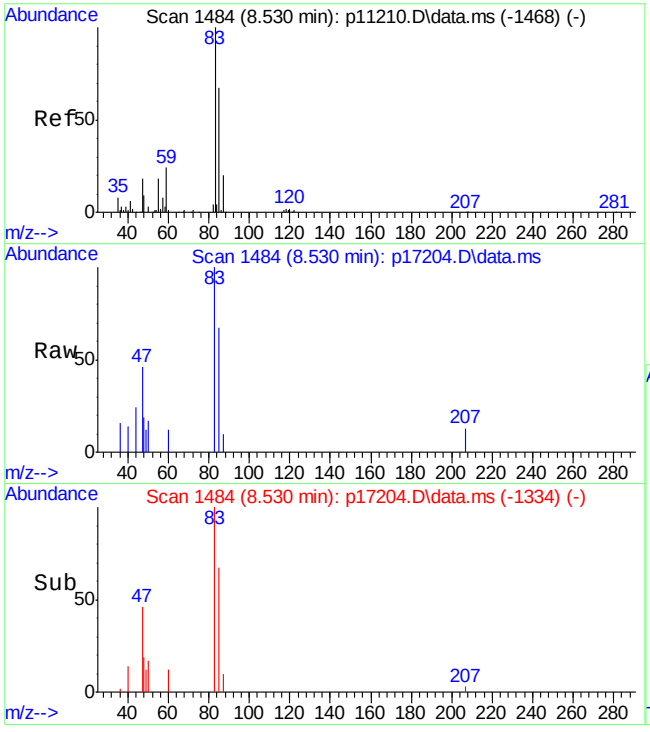




#36
cis-1,2-dichloroethene
Concen: 8.70 ug/L
RT: 8.322 min Scan# 1425
Delta R.T. -0.002 min
Lab File: p17204.D
Acq: 26 Apr 2007 1:31 pm

Tgt Ion: 96 Resp: 14386

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 150.9 | 83.9 | 143.9# |
| 98 | 52.9 | 35.0 | 95.0 |

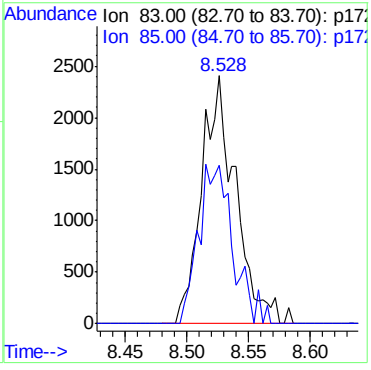


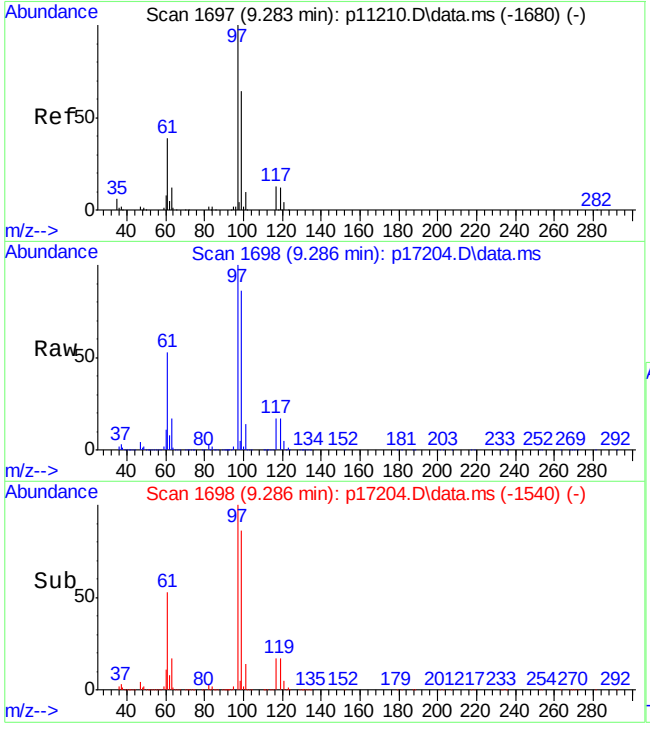



#38
chloroform
Concen: 1.45 ug/L
RT: 8.528 min Scan# 1484
Delta R.T. -0.001 min
Lab File: p17204.D
Acq: 26 Apr 2007 1:31 pm

Tgt Ion: 83 Resp: 4621

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 67.5 | 45.2 | 105.2 |

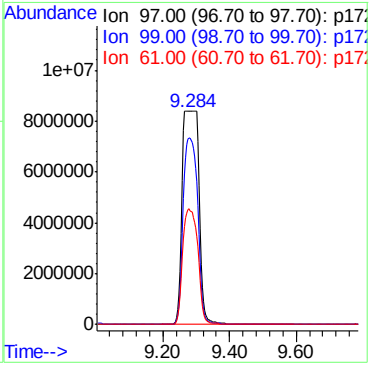


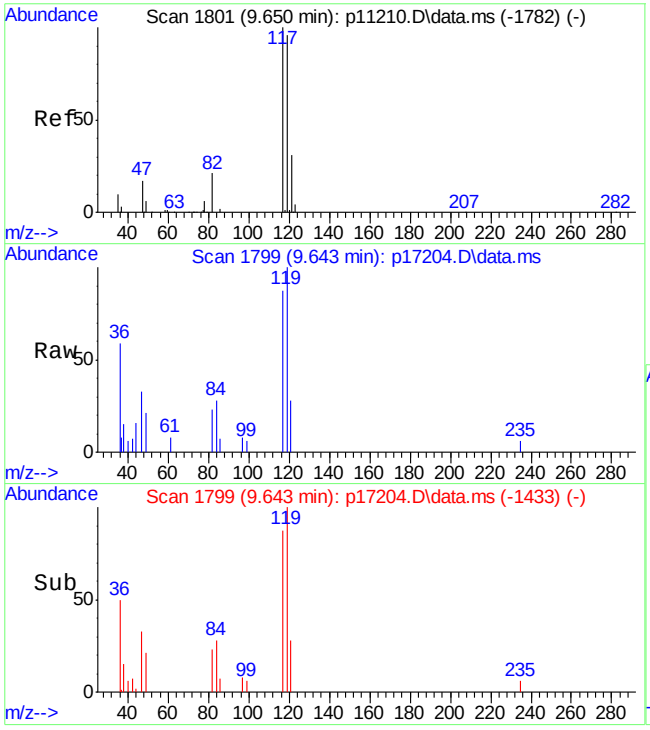




#41
1,1,1-trichloroethane
Concen: 12884.29 ug/L
RT: 9.284 min Scan# 1698
Delta R.T. 0.008 min
Lab File: p17204.D
Acq: 26 Apr 2007 1:31 pm

Tgt Ion: 97 Resp:29263979

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 85.5 | 33.8 | 93.8 |
| 61 | 52.5 | 8.0 | 68.0 |

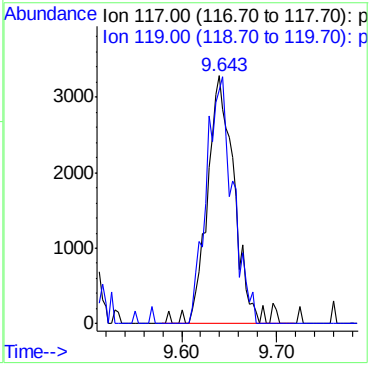


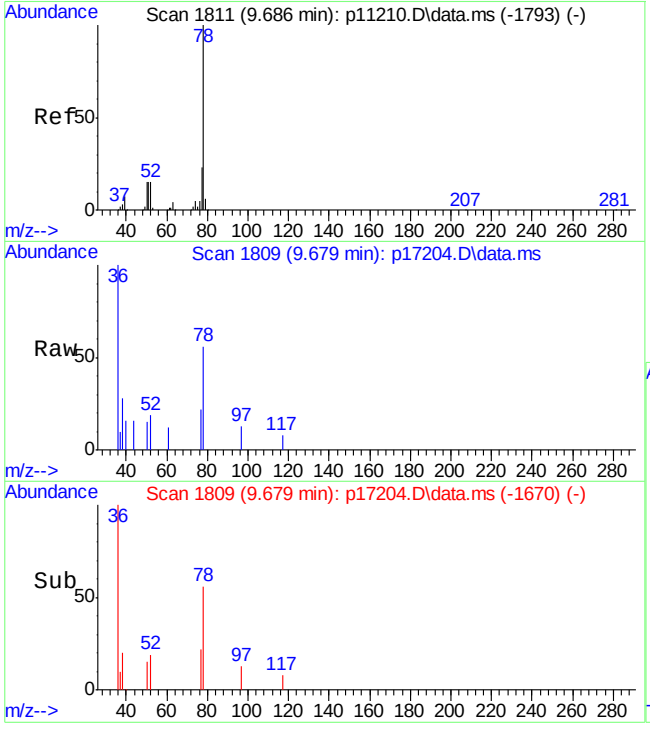



#44
carbon tetrachloride
Concen: 5.36 ug/L
RT: 9.643 min Scan# 1799
Delta R.T. 0.003 min
Lab File: p17204.D
Acq: 26 Apr 2007 1:31 pm

Tgt Ion:117 Resp: 6429

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 114.8 | 65.3 | 125.3 |

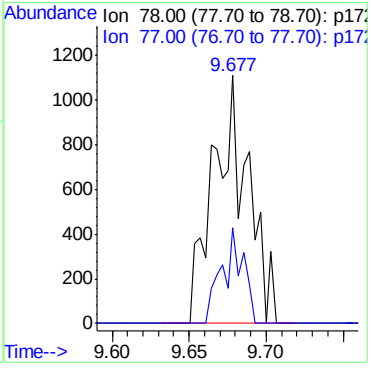


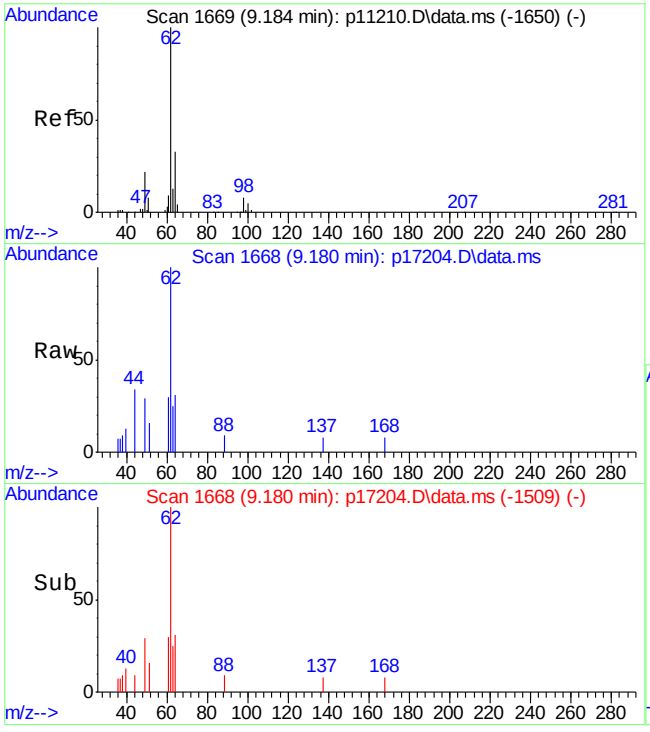




#46
benzene
Concen: 0.27 ug/L
RT: 9.677 min Scan# 1809
Delta R.T. 0.000 min
Lab File: p17204.D
Acq: 26 Apr 2007 1:31 pm

Tgt Ion: 78 Resp: 1738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 38.6 | 0.0 | 53.0 |

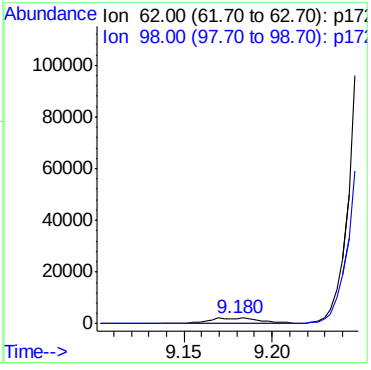


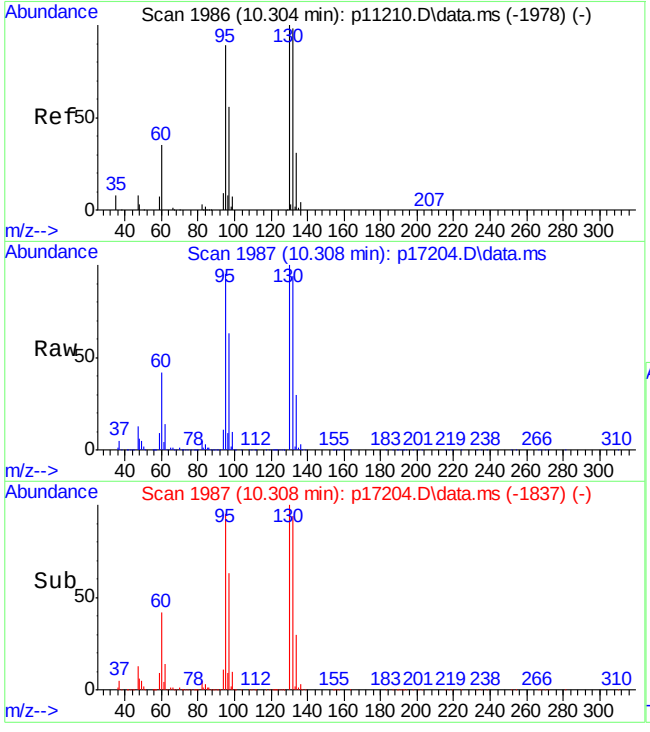



#47
1,2-dichloroethane
Concen: 1.33 ug/L
RT: 9.180 min Scan# 1668
Delta R.T. 0.002 min
Lab File: p17204.D
Acq: 26 Apr 2007 1:31 pm

Tgt Ion: 62 Resp: 4678

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 0.0 | 0.0 | 39.3 |

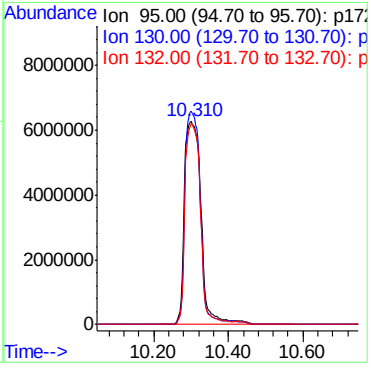


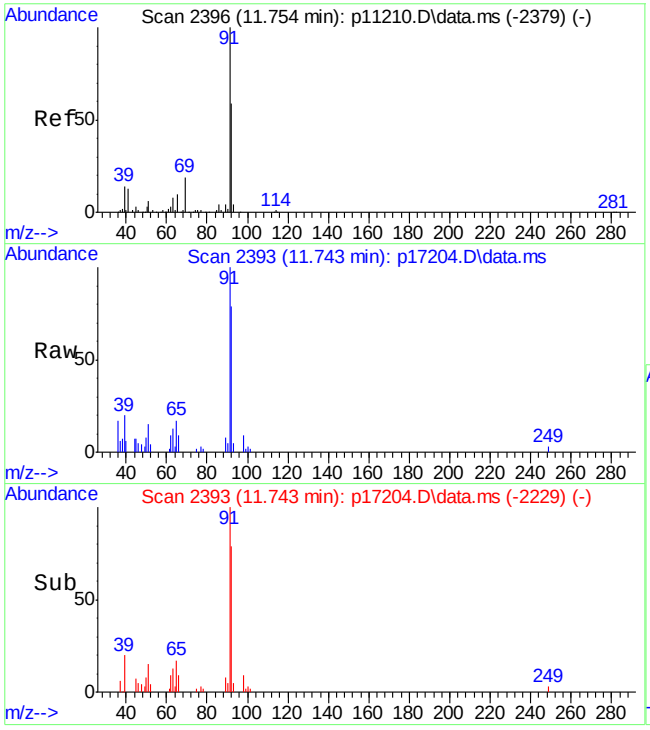




#50
trichloroethene
Concen: 10788.13 ug/L
RT: 10.310 min Scan# 1987
Delta R.T. 0.014 min
Lab File: p17204.D
Acq: 26 Apr 2007 1:31 pm

Tgt Ion: 95 Resp:19364841

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 130 | 104.8 | 81.4 | 141.4 |
| 132 | 98.5 | 80.8 | 140.8 |

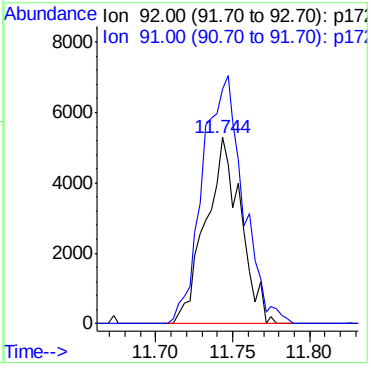


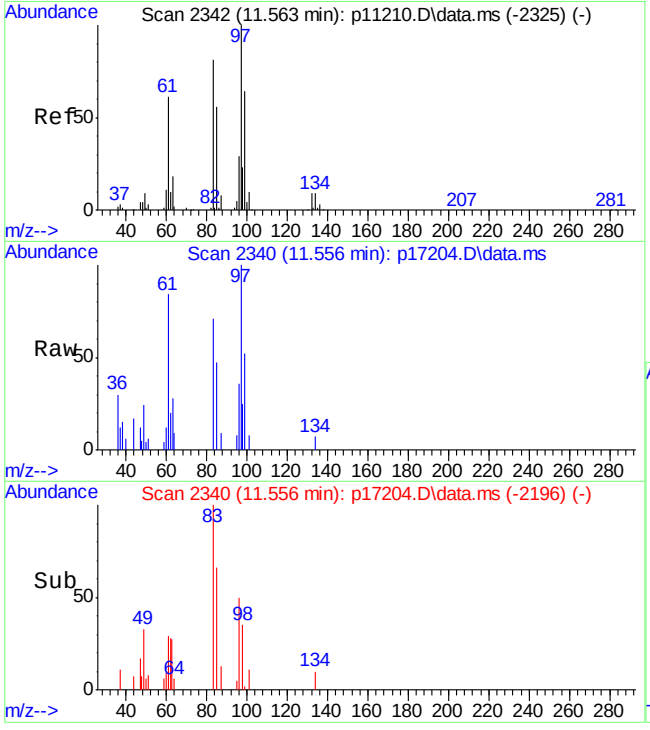



#61
toluene
Concen: 2.07 ug/L
RT: 11.744 min Scan# 2393
Delta R.T. 0.000 min
Lab File: p17204.D
Acq: 26 Apr 2007 1:31 pm

Tgt Ion: 92 Resp: 8353

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 126.2 | 135.8 | 195.8# |

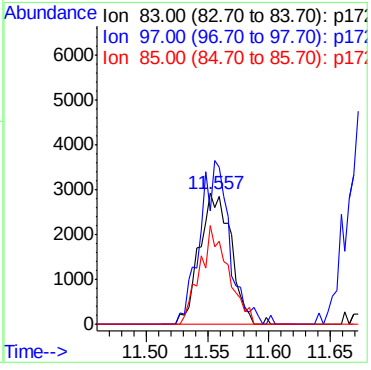


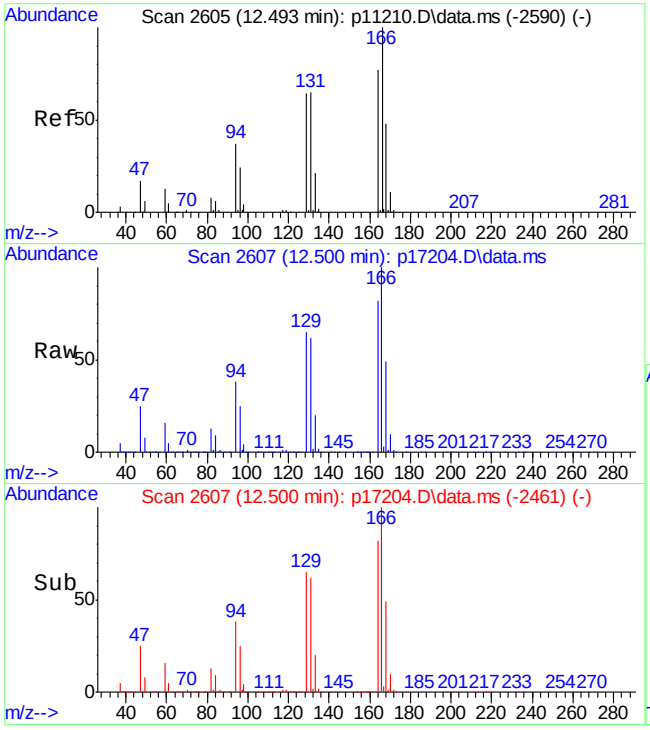




#63
1,1,2-trichloroethane
Concen: 3.81 ug/L
RT: 11.557 min Scan# 2340
Delta R.T. -0.000 min
Lab File: p17204.D
Acq: 26 Apr 2007 1:31 pm

Tgt Ion: 83 Resp: 5237

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 97 | 140.7 | 94.4 | 154.4 |
| 85 | 66.1 | 37.5 | 97.5 |

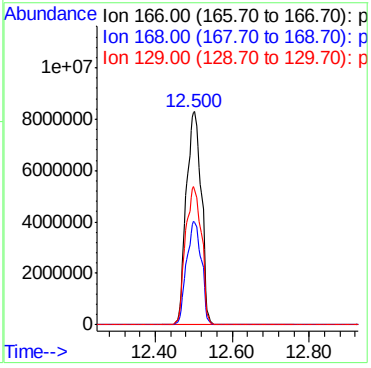


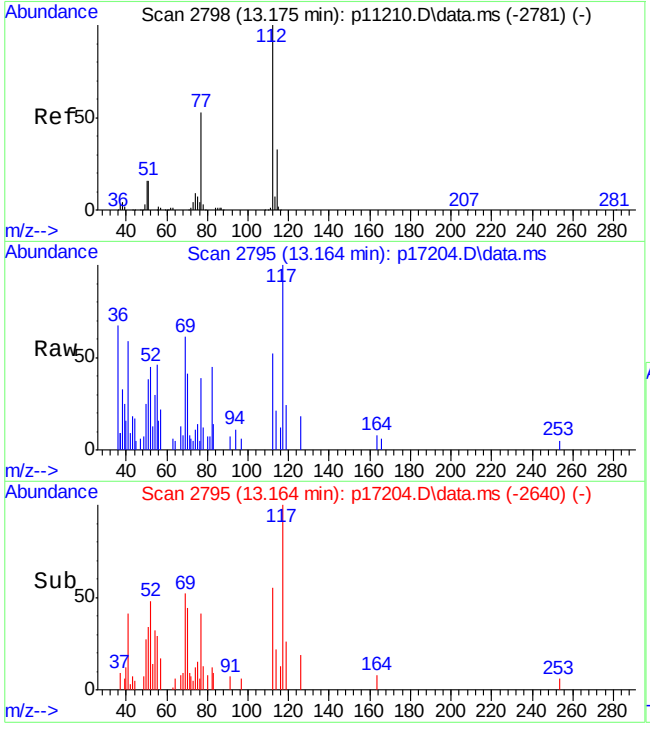



#66
tetrachloroethene
Concen: 13781.73 ug/L
RT: 12.500 min Scan# 2607
Delta R.T. 0.017 min
Lab File: p17204.D
Acq: 26 Apr 2007 1:31 pm

Tgt Ion:166 Resp:22471902

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 168 | 48.5 | 17.7 | 77.7 |
| 129 | 65.1 | 36.7 | 96.7 |

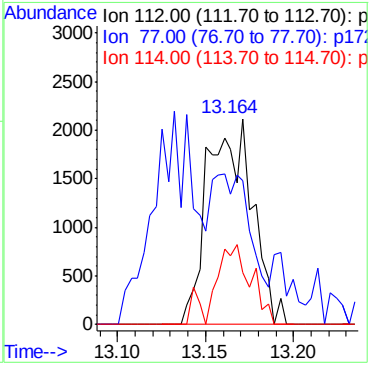


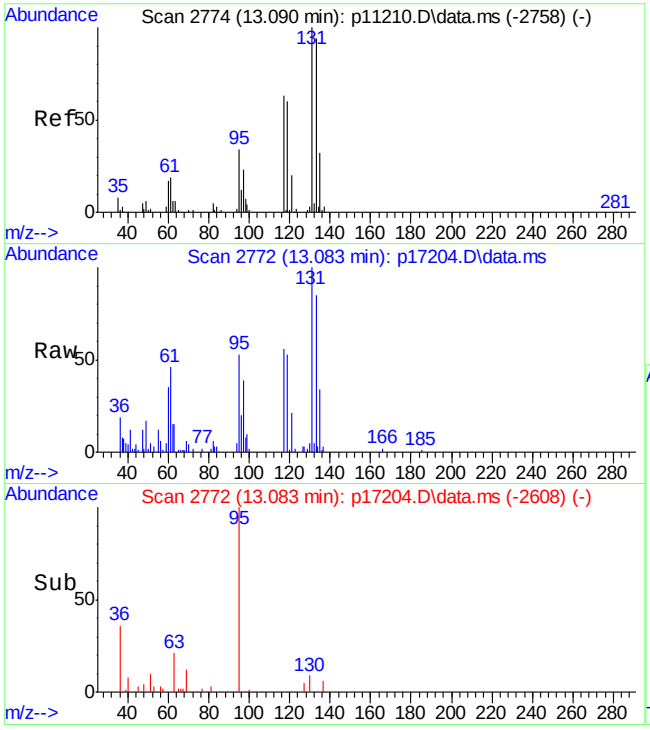




#71
chlorobenzene
Concen: 0.77 ug/L
RT: 13.164 min Scan# 2795
Delta R.T. -0.001 min
Lab File: p17204.D
Acq: 26 Apr 2007 1:31 pm

Tgt Ion:112 Resp: 3734

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 77 | 48.7 | 23.5 | 83.5 |
| 114 | 39.3 | 2.7 | 62.7 |

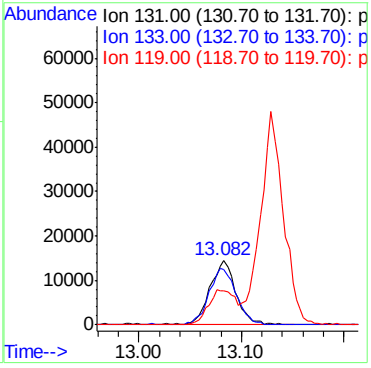


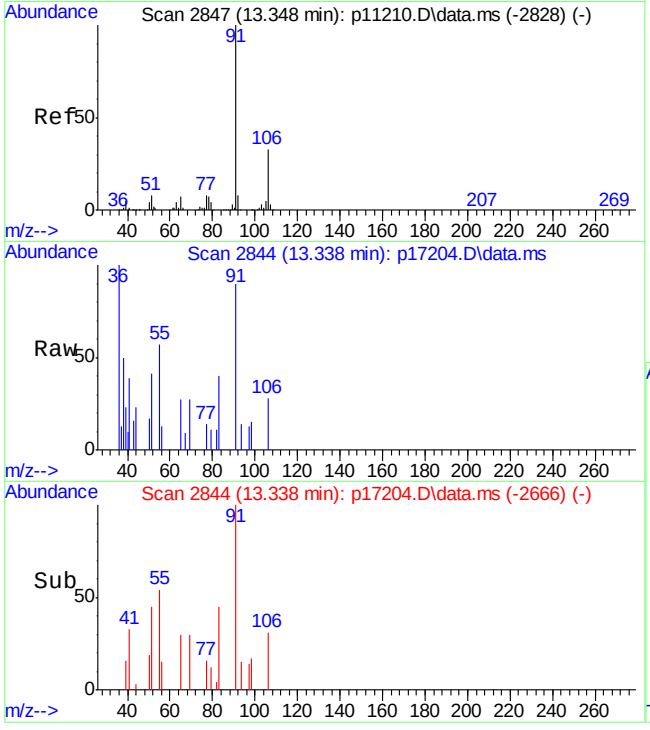



#72
1,1,1,2-tetrachloroethane
Concen: 15.60 ug/L
RT: 13.082 min Scan# 2772
Delta R.T. -0.001 min
Lab File: p17204.D
Acq: 26 Apr 2007 1:31 pm

Tgt Ion:131 Resp: 25417

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 84.7 | 66.0 | 126.0 |
| 119 | 53.1 | 32.1 | 92.1 |

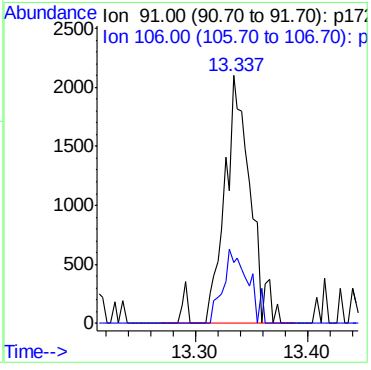


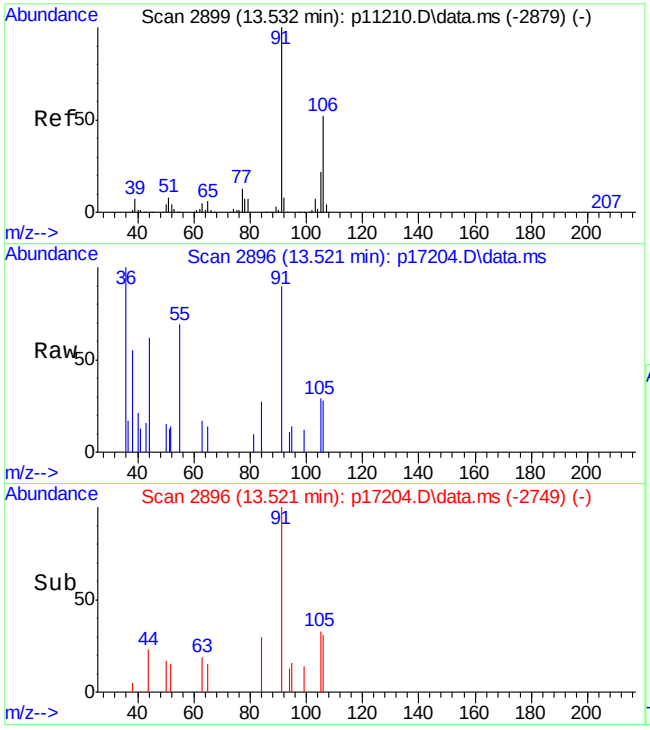




#73
ethylbenzene
Concen: 0.41 ug/L
RT: 13.337 min Scan# 2844
Delta R.T. -0.001 min
Lab File: p17204.D
Acq: 26 Apr 2007 1:31 pm

Tgt Ion: 91 Resp: 3404

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.6 | 2.7 | 62.7 |

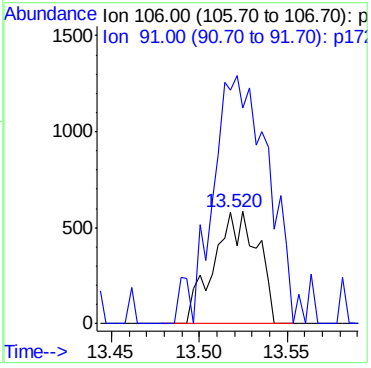





#74
m,p-xylene
Concen: 0.36 ug/L
RT: 13.520 min Scan# 2896
Delta R.T. -0.003 min
Lab File: p17204.D
Acq: 26 Apr 2007 1:31 pm

Tgt Ion:106 Resp: 1006

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 321.1 | 165.3 | 225.3# |



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p17209.D
Acq On : 26 Apr 2007 3:56 pm
Operator : amym
Sample : m64162-17,1:250
Misc : ms13438,msp589,,,,5,250
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 27 11:06:49 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 25 09:57:54 2007
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 6.614 | 65 | 99769 | 500.00 | ug/L | 0.02 |
| 3) pentafluorobenzene | 9.003 | 168 | 109486 | 50.00 | ug/L | 0.00 |
| 42) 1,4-difluorobenzene | 9.876 | 114 | 192235 | 50.00 | ug/L | 0.00 |
| 65) chlorobenzene-d5 | 13.131 | 82 | 125949 | 50.00 | ug/L | 0.00 |
| 79) 1,4-dichlorobenzene-d4 | 15.693 | 152 | 91772 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 39) dibromofluoromethane (s) | 8.646 | 113 | 70359 | 56.12 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 85 - 129 | | Recovery = 112.24% | | | |
| 59) toluene-d8 (s) | 11.673 | 98 | 246670 | 50.80 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 101.60% | | | |
| 81) bromofluorobenzene (s) | 14.358 | 95 | 106585 | 47.75 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 119 | | Recovery = 95.50% | | | |
| Target Compounds | | | | | | Qvalue |
| 15) 1,1-dichloroethene | 6.650 | 96 | 40821 | 35.91 | ug/L # | 24 |
| 41) 1,1,1-trichloroethane | 9.276 | 97 | 342662 | 170.11 | ug/L | 89 |
| 50) trichloroethene | 10.296 | 95 | 190627 | 122.38 | ug/L # | 70 |
| 66) tetrachloroethene | 12.483 | 166 | 253959 | 193.81 | ug/L | 91 |

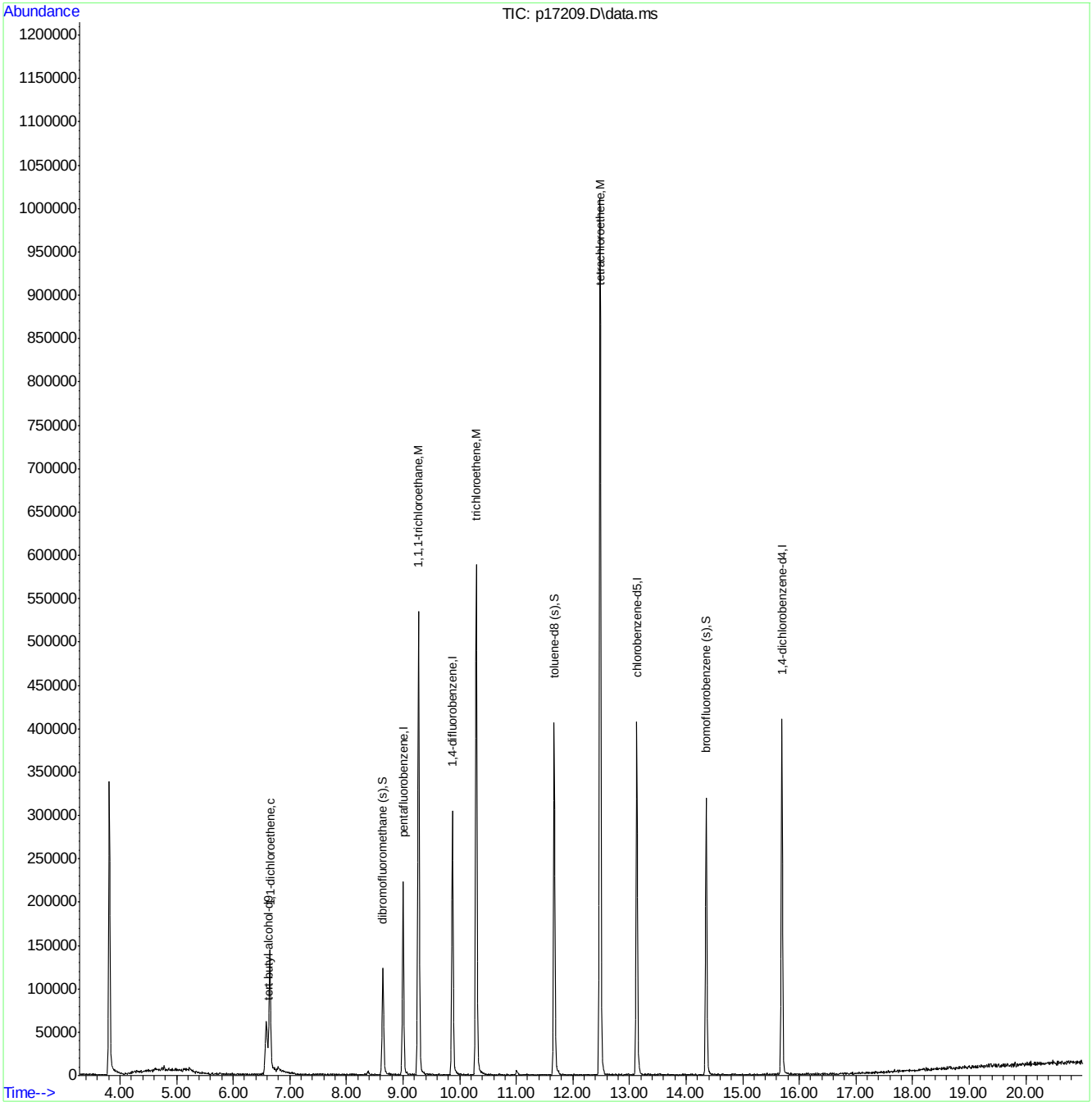
(#) = qualifier out of range (m) = manual integration (+) = signals summed

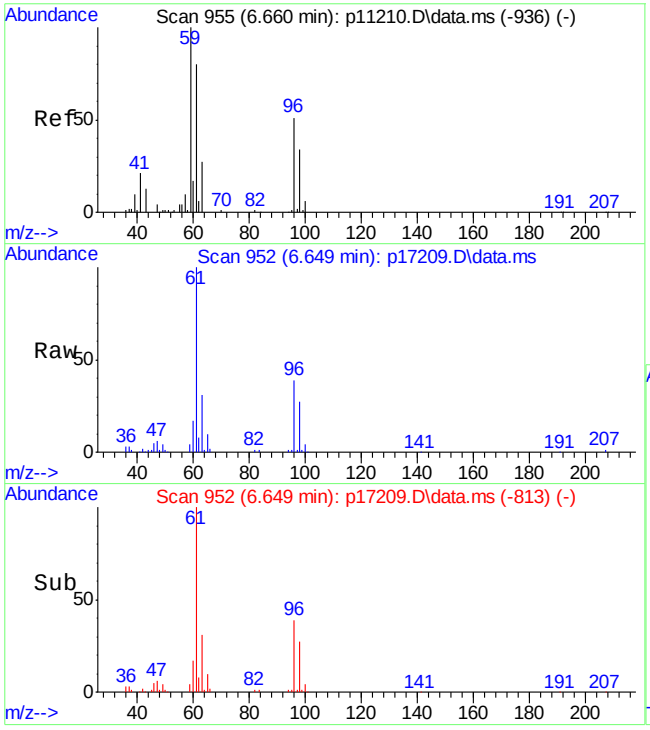
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p17209.D
Acq On : 26 Apr 2007 3:56 pm
Operator : amym
Sample : m64162-17,1:250
Misc : ms13438,msp589,,,,5,250
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 27 11:06:49 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 25 09:57:54 2007
Response via : Initial Calibration



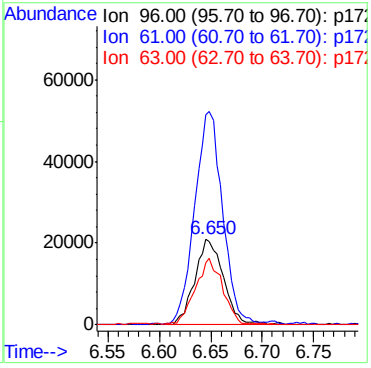


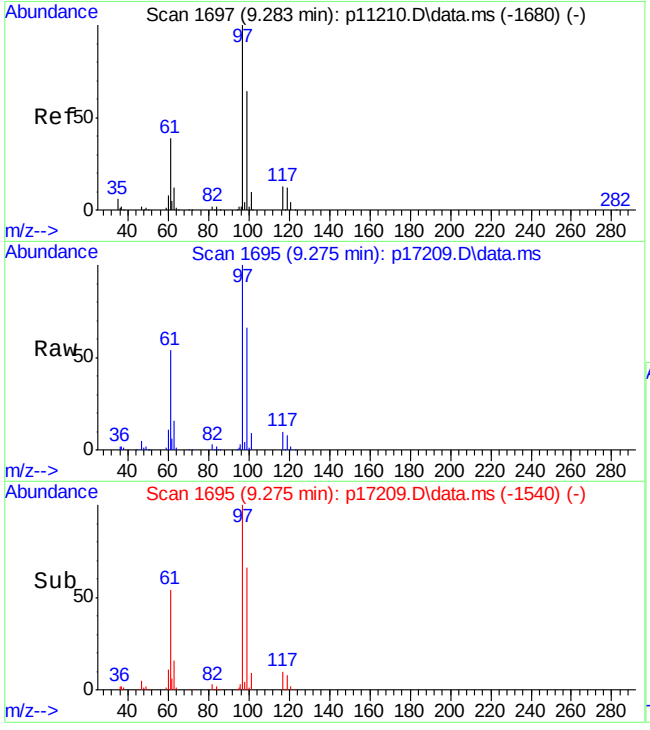



#15
1,1-dichloroethene
Concen: 35.91 ug/L
RT: 6.650 min Scan# 952
Delta R.T. -0.006 min
Lab File: p17209.D
Acq: 26 Apr 2007 3:56 pm

Tgt Ion: 96 Resp: 40821

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 253.7 | 116.4 | 176.4# |
| 63 | 79.6 | 19.0 | 79.0# |

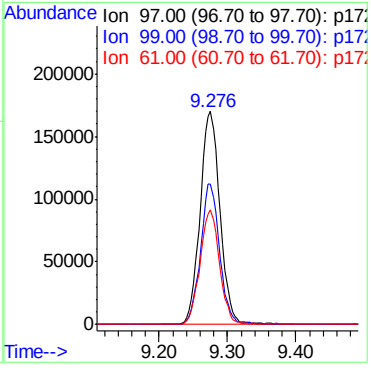


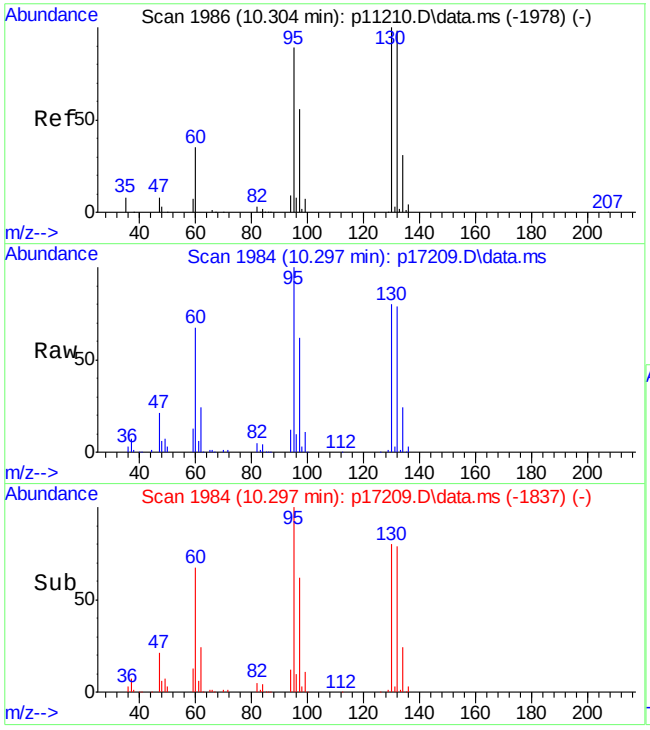




#41
1,1,1-trichloroethane
Concen: 170.11 ug/L
RT: 9.276 min Scan# 1695
Delta R.T. -0.000 min
Lab File: p17209.D
Acq: 26 Apr 2007 3:56 pm

Tgt Ion: 97 Resp: 342662

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 65.9 | 33.8 | 93.8 |
| 61 | 53.6 | 8.0 | 68.0 |

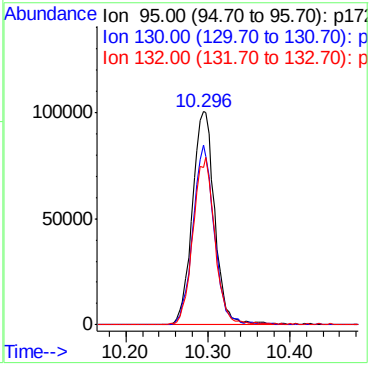


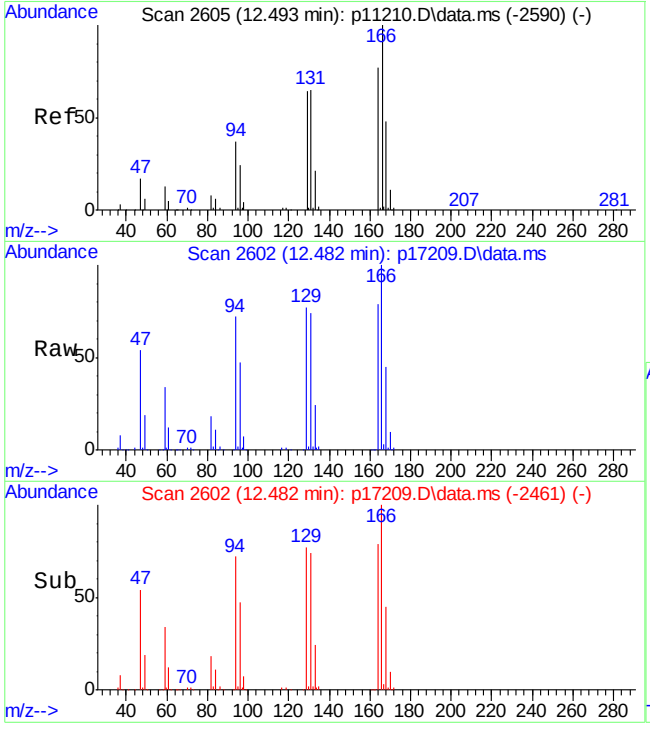



#50
trichloroethene
Concen: 122.38 ug/L
RT: 10.296 min Scan# 1984
Delta R.T. -0.000 min
Lab File: p17209.D
Acq: 26 Apr 2007 3:56 pm

Tgt Ion: 95 Resp: 190627

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 130 | 79.5 | 81.4 | 141.4# |
| 132 | 78.8 | 80.8 | 140.8# |

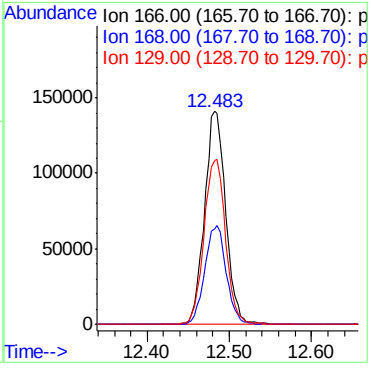



#66
tetrachloroethene
Concen: 193.81 ug/L
RT: 12.483 min Scan# 2602
Delta R.T. -0.000 min
Lab File: p17209.D
Acq: 26 Apr 2007 3:56 pm

Tgt Ion:166 Resp: 253959

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 168 | 44.8 | 17.7 | 77.7 |
| 129 | 77.1 | 36.7 | 96.7 |



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18891.D Vial: 27
Acq On : 26 Apr 2007 3:51 pm Operator: alit
Sample : M64162-18 Inst : MAMSN
Misc : ms13438,msn683,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 27 08:59:22 2007 Quant Results File: N042007W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Apr 25 10:27:30 2007
Response via : Initial Calibration
DataAcq Meth : N8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 5.85 | 65 | 55577 | 500.00 | ug/L | 0.00 |
| 3) pentafluorobenzene | 8.28 | 168 | 100930 | 50.00 | ug/L | 0.00 |
| 43) 1,4-difluorobenzene | 9.14 | 114 | 144718 | 50.00 | ug/L | 0.00 |
| 66) chlorobenzene-d5 | 12.38 | 82 | 79794 | 50.00 | ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 14.94 | 152 | 89705 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 40) dibromofluoromethane (s) | 7.90 | 113 | 58456 | 60.99 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 84 - 129 | | Recovery = 121.98% | | | |
| 60) toluene-d8 (s) | 10.93 | 98 | 191250 | 52.63 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 105.26% | | | |
| 82) bromofluorobenzene (s) | 13.61 | 95 | 74636 | 52.62 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 82 - 118 | | Recovery = 105.24% | | | |

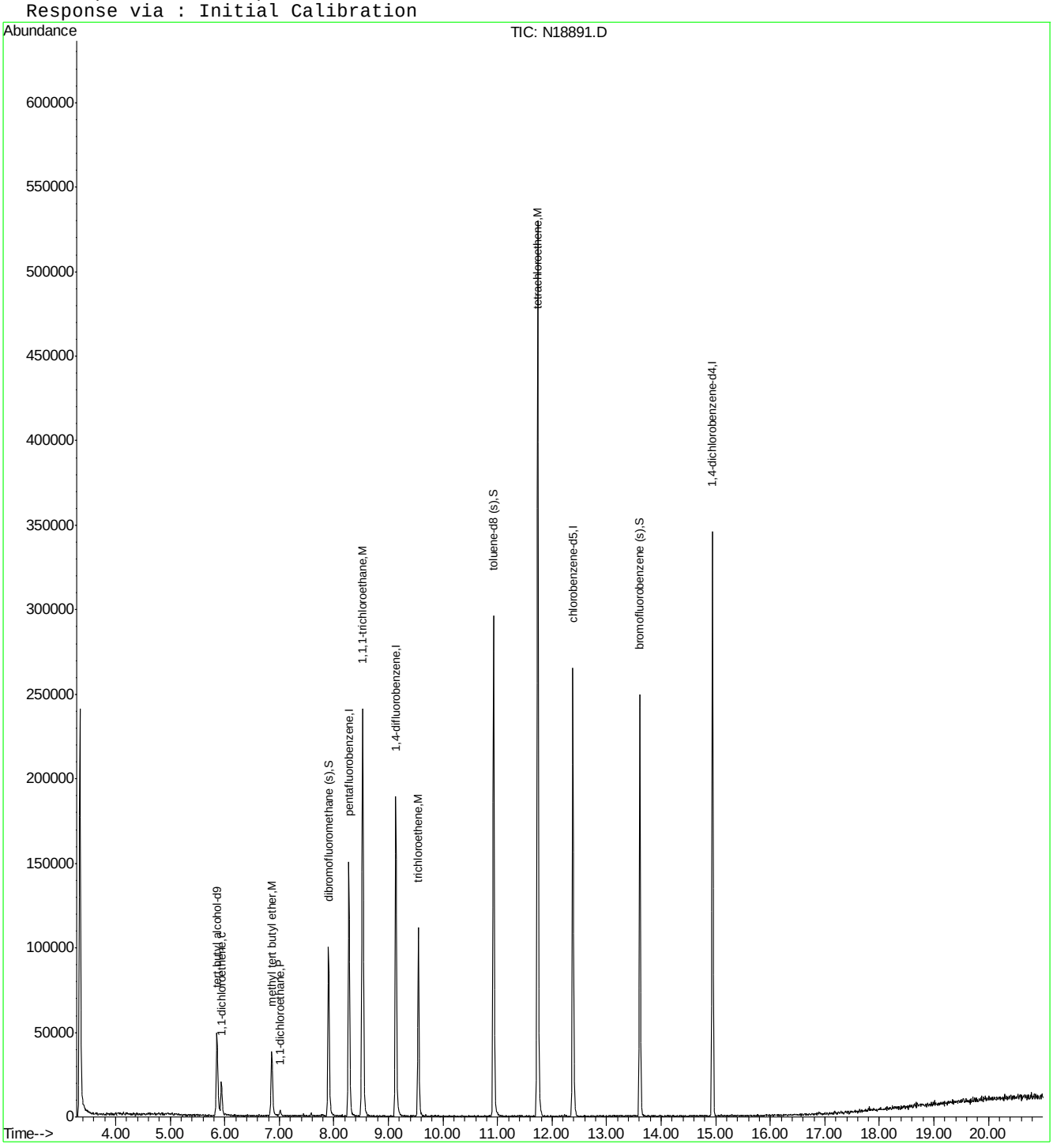
| Target Compounds | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 15) 1,1-dichloroethene | 5.94 | 96 | 7468 | 11.51 | ug/L | 89 |
| 19) methyl tert butyl ether | 6.86 | 73 | 35193 | 16.53 | ug/L | 94 |
| 32) 1,1-dichloroethane | 7.01 | 63 | 3352 | 2.46 | ug/L | 79 |
| 42) 1,1,1-trichloroethane | 8.53 | 97 | 163493 | 146.52 | ug/L | 99 |
| 51) trichloroethene | 9.55 | 95 | 33813 | 35.96 | ug/L | 99 |
| 67) tetrachloroethene | 11.74 | 166 | 157959 | 119.75 | ug/L | 95 |

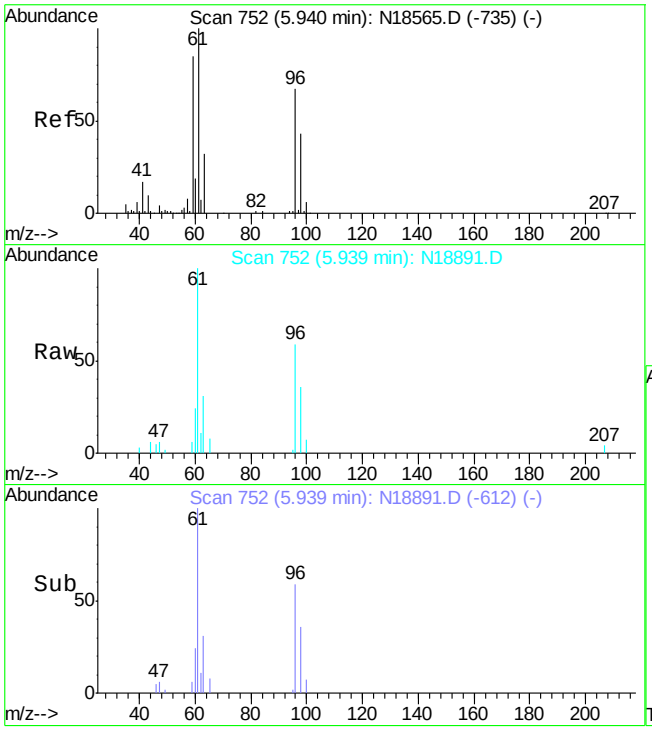
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18891.D Vial: 27
Acq On : 26 Apr 2007 3:51 pm Operator: alit
Sample : M64162-18 Inst : MAMSN
Misc : ms13438,msn683,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 27 9:32 2007 Quant Results File: N042007W.RES

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Apr 25 10:27:30 2007
Response via : Initial Calibration

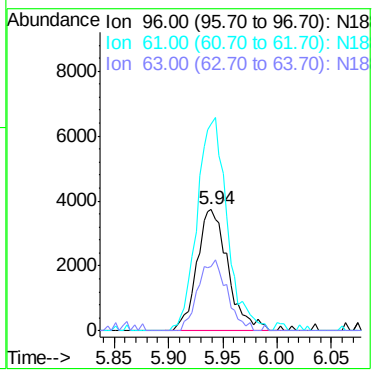


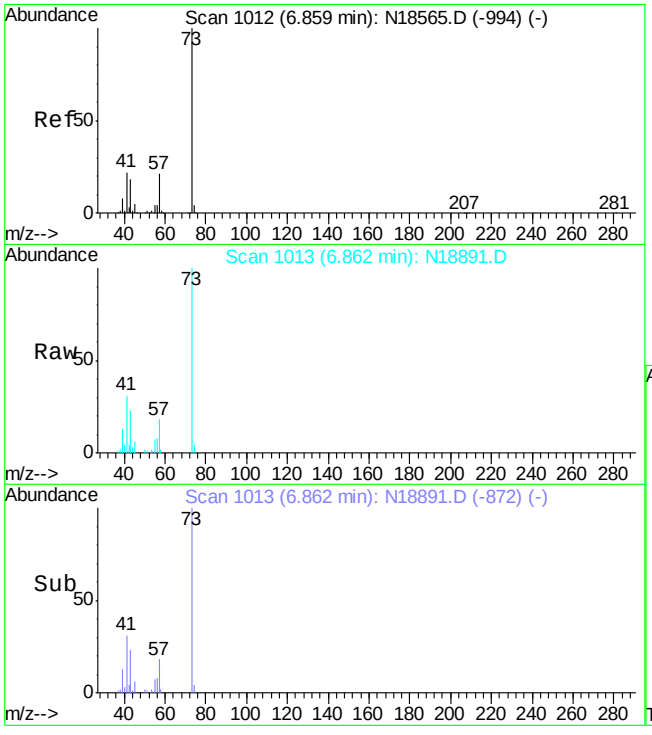



#15
1,1-dichloroethene
Concen: 11.51 ug/L
RT: 5.94 min Scan# 752
Delta R.T. -0.00 min
Lab File: N18891.D
Acq: 26 Apr 2007 3:51 pm

Tgt Ion: 96 Resp: 7468

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 169.9 | 124.6 | 184.6 |
| 63 | 53.1 | 17.9 | 77.9 |

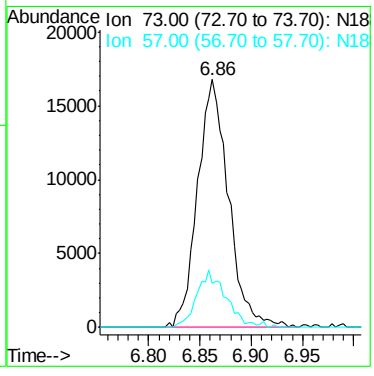


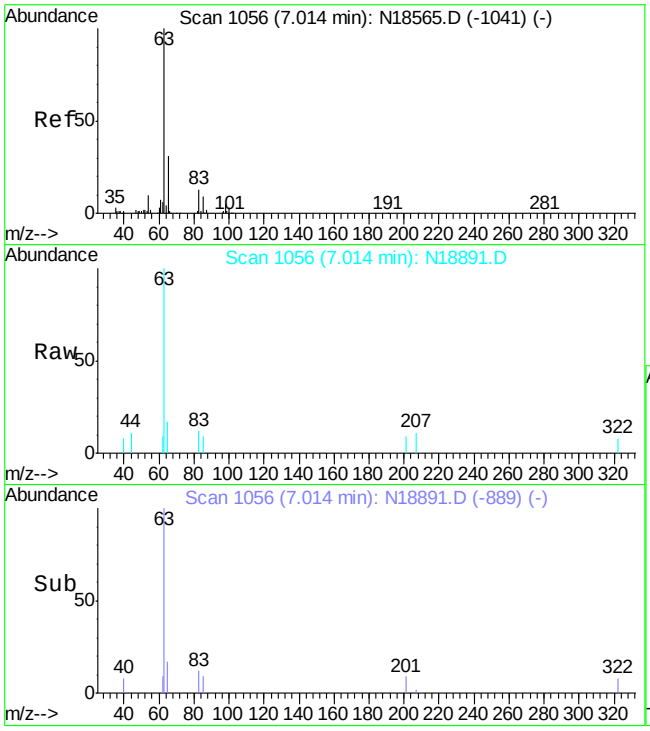




#19
methyl tert butyl ether
Concen: 16.53 ug/L
RT: 6.86 min Scan# 1013
Delta R.T. -0.00 min
Lab File: N18891.D
Acq: 26 Apr 2007 3:51 pm

Tgt Ion: 73 Resp: 35193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 17.9 | 0.0 | 50.6 |

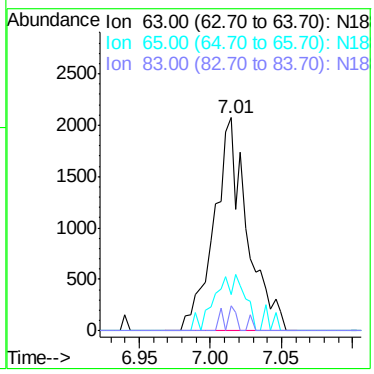


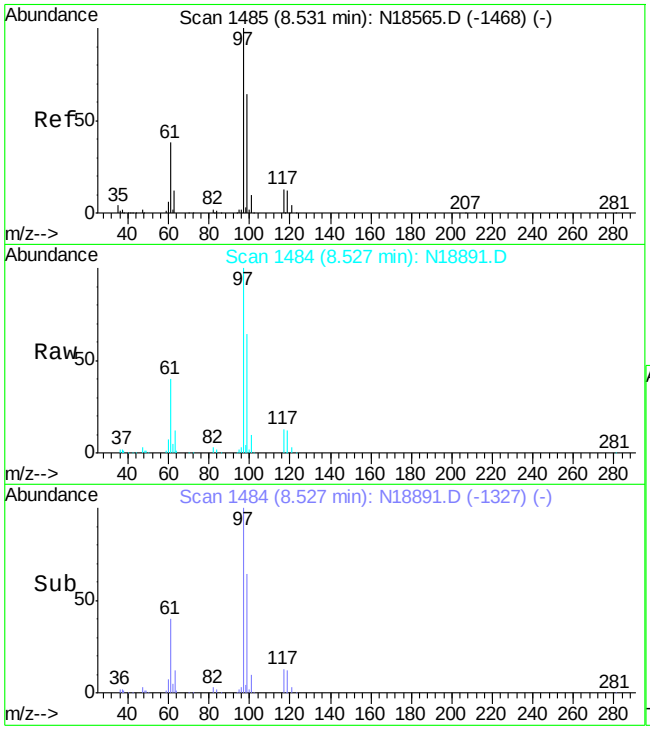



#32
1,1-dichloroethane
Concen: 2.46 ug/L
RT: 7.01 min Scan# 1056
Delta R.T. -0.00 min
Lab File: N18891.D
Acq: 26 Apr 2007 3:51 pm

Tgt Ion: 63 Resp: 3352

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 17.2 | 2.3 | 62.3 |
| 83 | 11.9 | 0.0 | 44.4 |

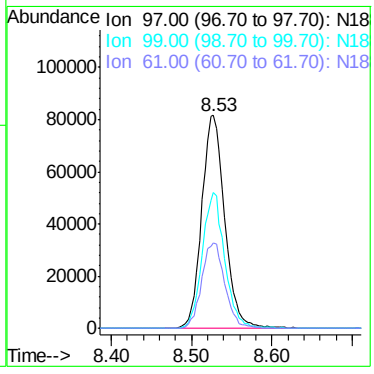


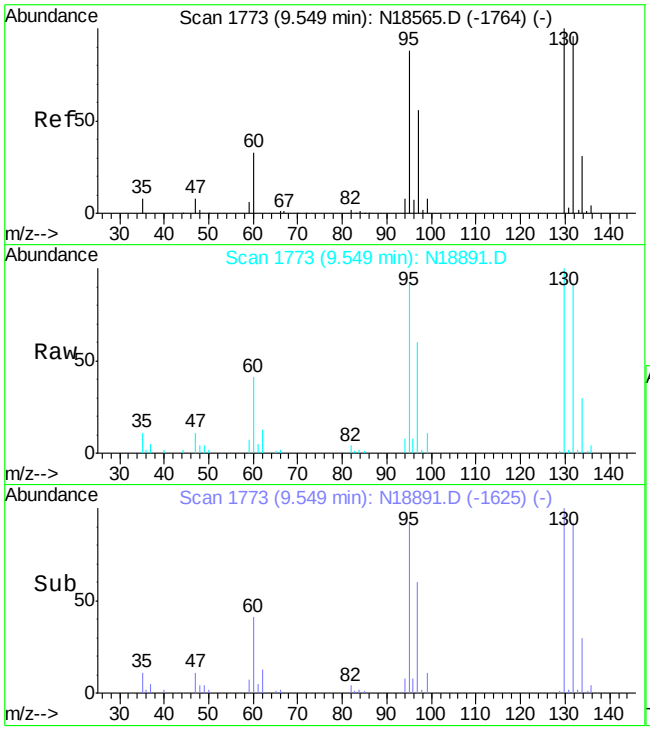




#42
1,1,1-trichloroethane
Concen: 146.52 ug/L
RT: 8.53 min Scan# 1484
Delta R.T. 0.00 min
Lab File: N18891.D
Acq: 26 Apr 2007 3:51 pm

Tgt Ion: 97 Resp: 163493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.6 | 32.2 | 92.2 |
| 61 | 40.3 | 10.8 | 70.8 |

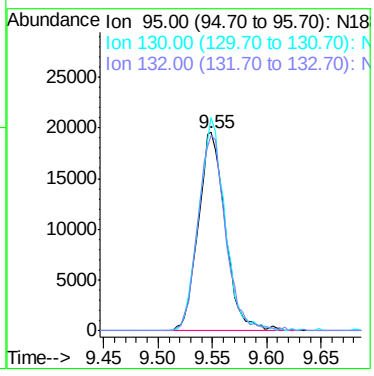


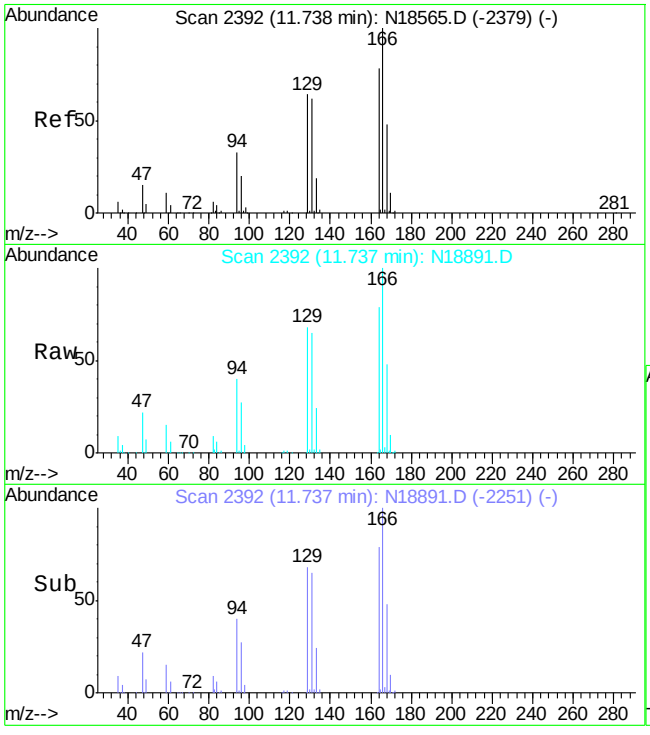



#51
trichloroethene
Concen: 35.96 ug/L
RT: 9.55 min Scan# 1773
Delta R.T. 0.00 min
Lab File: N18891.D
Acq: 26 Apr 2007 3:51 pm

Tgt Ion: 95 Resp: 33813

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 130 | 107.4 | 75.7 | 135.7 |
| 132 | 98.6 | 69.5 | 129.5 |

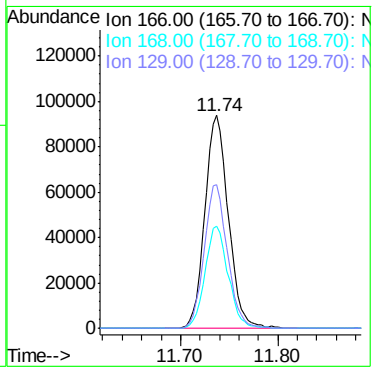



#67
tetrachloroethene
Concen: 119.75 ug/L
RT: 11.74 min Scan# 2392
Delta R.T. -0.00 min
Lab File: N18891.D
Acq: 26 Apr 2007 3:51 pm

Tgt Ion:166 Resp: 157959

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 168 | 48.0 | 16.3 | 76.3 |
| 129 | 67.7 | 33.0 | 93.0 |



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p17221.D
Acq On : 26 Apr 2007 9:39 pm
Operator : amym
Sample : m64162-19
Misc : ms13438,msp589,,,,5,1
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Apr 27 11:19:05 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 25 09:57:54 2007
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 6.630 | 65 | 43075 | 500.00 | ug/L | 0.04 |
| 3) pentafluorobenzene | 9.005 | 168 | 114091 | 50.00 | ug/L | 0.00 |
| 42) 1,4-difluorobenzene | 9.877 | 114 | 195191 | 50.00 | ug/L | 0.00 |
| 65) chlorobenzene-d5 | 13.132 | 82 | 128182 | 50.00 | ug/L | 0.00 |
| 79) 1,4-dichlorobenzene-d4 | 15.692 | 152 | 90087 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 39) dibromofluoromethane (s) | 8.648 | 113 | 66910 | 51.22 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 85 - 129 | | Recovery = 102.44% | | | |
| 59) toluene-d8 (s) | 11.674 | 98 | 244140 | 49.52 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 99.04% | | | |
| 81) bromofluorobenzene (s) | 14.357 | 95 | 109332 | 49.89 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 119 | | Recovery = 99.78% | | | |
| Target Compounds | | | | | | Qvalue |
| 15) 1,1-dichloroethene | 6.653 | 96 | 3421 | 1.44 | ug/L # | 1 |
| 50) trichloroethene | 10.296 | 95 | 15847 | 10.02 | ug/L | 74 |
| 66) tetrachloroethene | 12.484 | 166 | 124303 | 93.21 | ug/L | 93 |

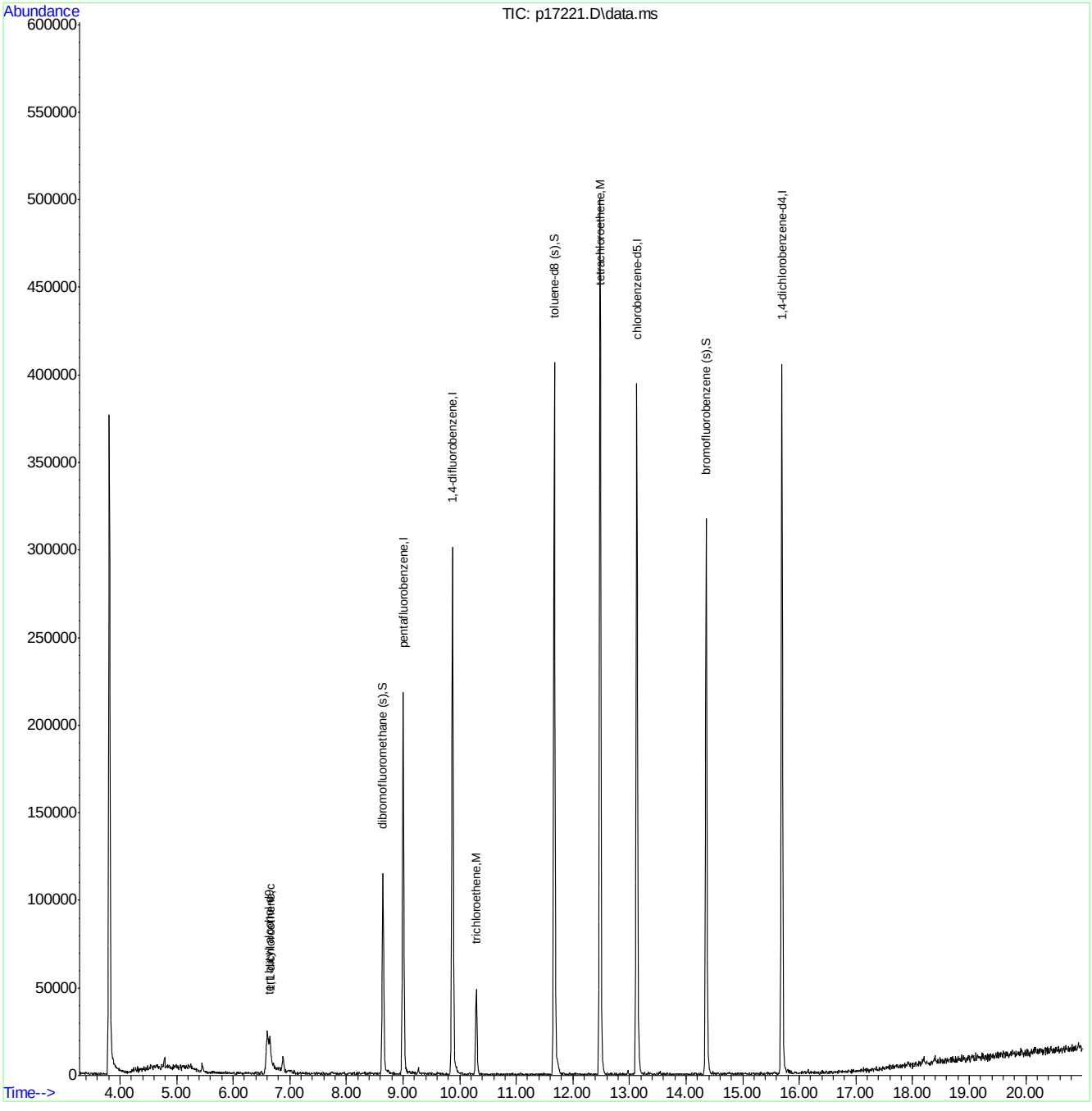
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p17221.D
Acq On : 26 Apr 2007 9:39 pm
Operator : amym
Sample : m64162-19
Misc : ms13438,msp589,,,,5,1
ALS Vial : 25 Sample Multiplier: 1

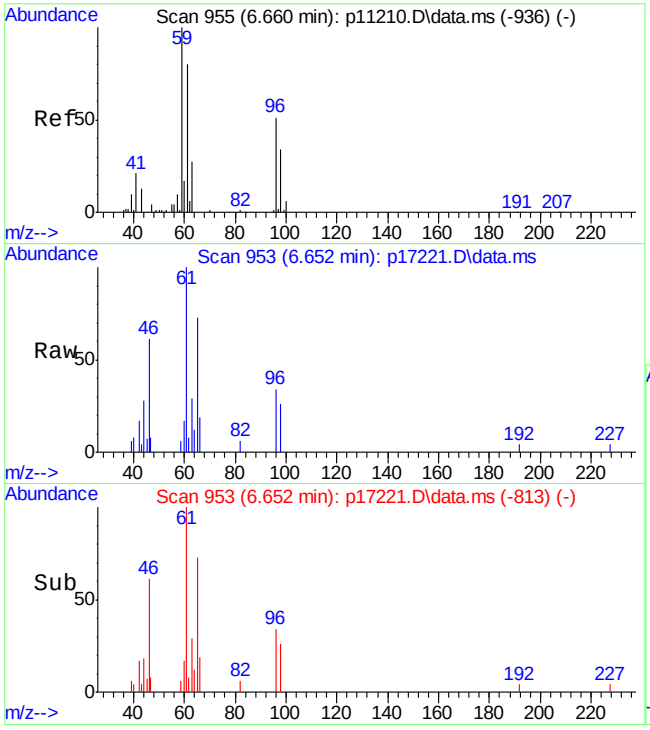
Quant Time: Apr 27 11:19:05 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 25 09:57:54 2007
Response via : Initial Calibration






P041707w.M Fri Apr 27 11:19:12 2007 RP

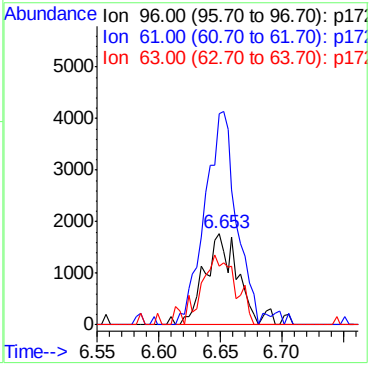
Page: 2

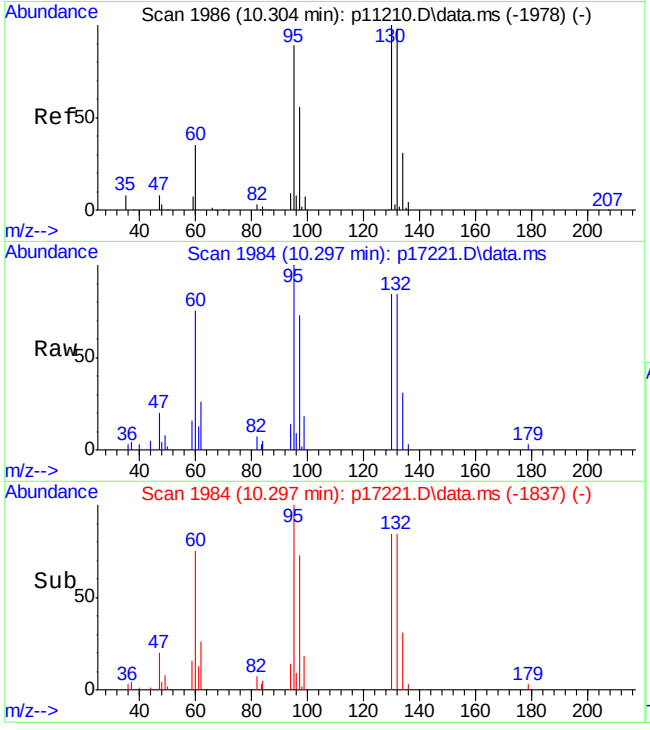



#15
1,1-dichloroethene
Concen: 1.44 ug/L
RT: 6.653 min Scan# 953
Delta R.T. -0.003 min
Lab File: p17221.D
Acq: 26 Apr 2007 9:39 pm

Tgt Ion: 96 Resp: 3421

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 291.7 | 116.4 | 176.4# |
| 63 | 84.6 | 19.0 | 79.0# |

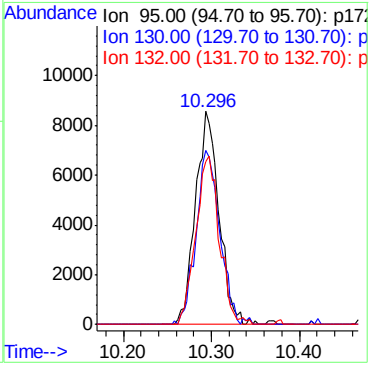


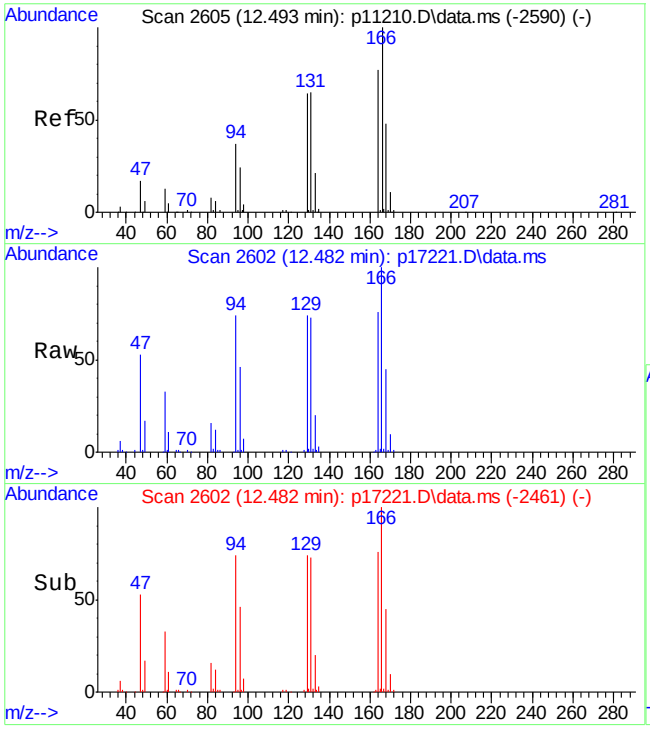




#50
trichloroethene
Concen: 10.02 ug/L
RT: 10.296 min Scan# 1984
Delta R.T. 0.001 min
Lab File: p17221.D
Acq: 26 Apr 2007 9:39 pm

Tgt Ion: 95 Resp: 15847

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 130 | 83.5 | 81.4 | 141.4 |
| 132 | 83.7 | 80.8 | 140.8 |

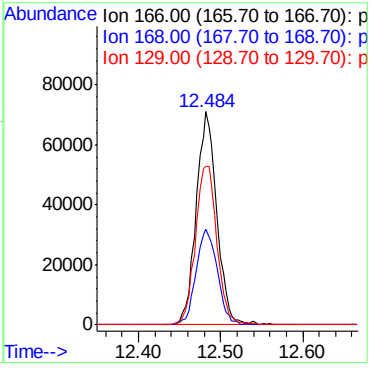





#66
tetrachloroethene
Concen: 93.21 ug/L
RT: 12.484 min Scan# 2602
Delta R.T. 0.000 min
Lab File: p17221.D
Acq: 26 Apr 2007 9:39 pm

Tgt Ion:166 Resp: 124303

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 168 | 44.9 | 17.7 | 77.7 |
| 129 | 74.2 | 36.7 | 96.7 |



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69293.D Vial: 2
Acq On : 30 Apr 2007 4:16 pm Operator: kimt
Sample : M64162-20 Inst : 5973 G
Misc : MS13464,MSG2785,,,,5,50 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 19:02 2007 Quant Results File: G042507W.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration
DataAcq Meth : G8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 6.53 | 65 | 75971 | 500.00 | ppb | 0.11 |
| 3) pentafluorobenzene | 8.74 | 168 | 443720 | 50.00 | ppb | 0.00 |
| 43) 1,4-difluorobenzene | 9.61 | 114 | 611880 | 50.00 | ppb | 0.00 |
| 66) chlorobenzene-d5 | 12.86 | 82 | 310943 | 50.00 | ppb | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 15.42 | 152 | 350055 | 50.00 | ppb | 0.00 |

System Monitoring Compounds

| | | | | | | |
|---|---|---|---|---|---|---|
| 40) dibromofluoromethane (s) | 8.38 | 113 | 188875 | 49.17 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 83 - 127 | | Recovery = 98.34% | | | |
| 60) toluene-d8 (s) | 11.40 | 98 | 747526 | 50.24 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 89 - 112 | | Recovery = 100.48% | | | |
| 82) bromofluorobenzene (s) | 14.09 | 95 | 279904 | 48.72 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 81 - 119 | | Recovery = 97.44% | | | |

Target Compounds

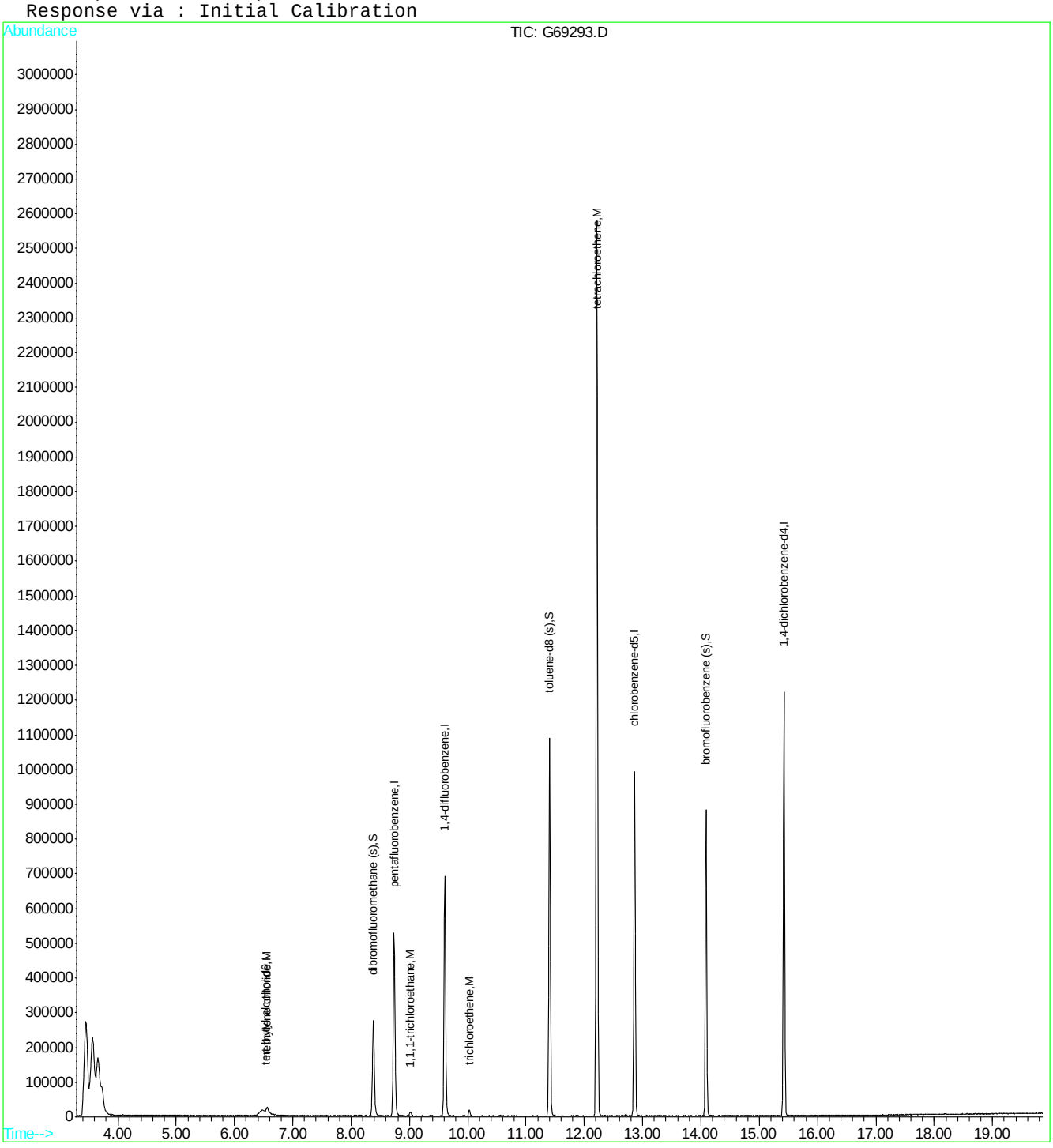
| | | | | | | | Qvalue |
|---|---|---|---|---|---|---|---|
| 18) methylene chloride | 6.57 | 84 | 8847 | 1.26 | ppb | | 97 |
| 42) 1,1,1-trichloroethane | 9.02 | 97 | 8184 | 1.30 | ppb | | 95 |
| 51) trichloroethene | 10.03 | 95 | 5561 | 1.31 | ppb | # | 73 |
| 67) tetrachloroethene | 12.22 | 166 | 864430 | 164.84 | ppb | | 98 |

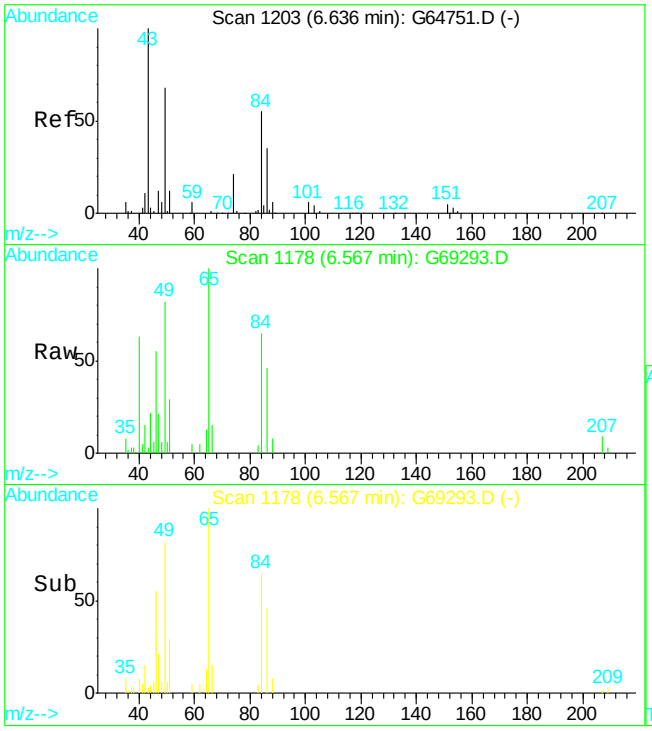
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\G69293.D  Vial: 2
Acq On : 30 Apr 2007 4:16 pm  Operator: kimt
Sample : M64162-20  Inst : 5973 G
Misc : MS13464,MSG2785,,,,5,50  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 19:02 2007  Quant Results File: G042507W.RES

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration

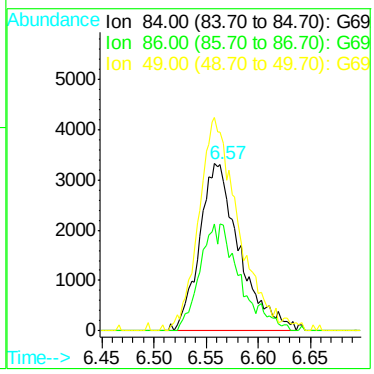


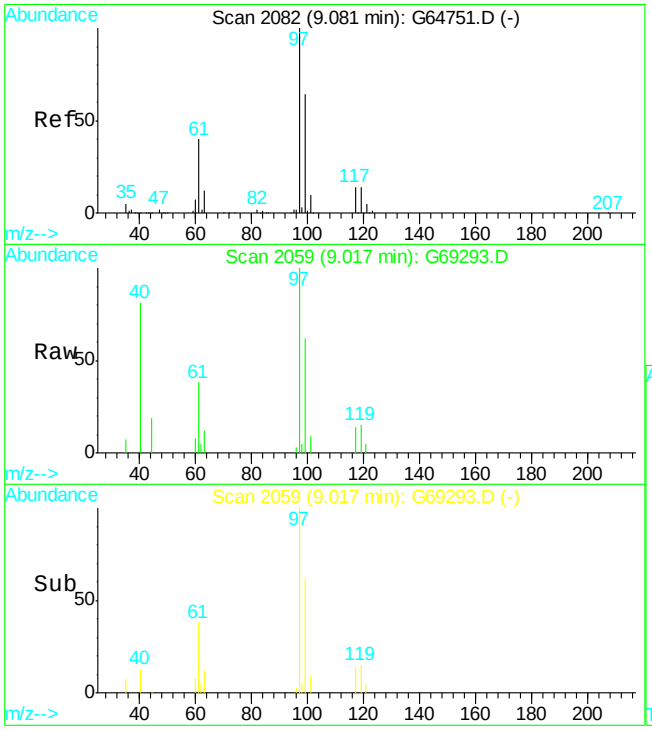



#18
methylene chloride
Concen: 1.26 ppb
RT: 6.57 min Scan# 1178
Delta R.T. 0.00 min
Lab File: G69293.D
Acq: 30 Apr 2007 4:16 pm

Tgt Ion: 84 Resp: 8847

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 70.6 | 35.6 | 95.6 |
| 49 | 125.9 | 98.2 | 158.2 |

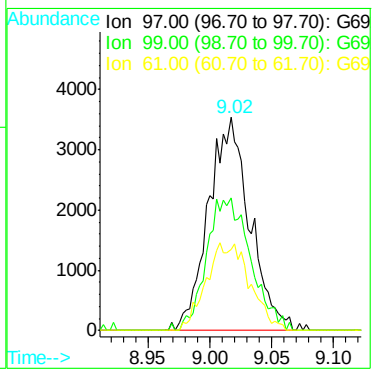


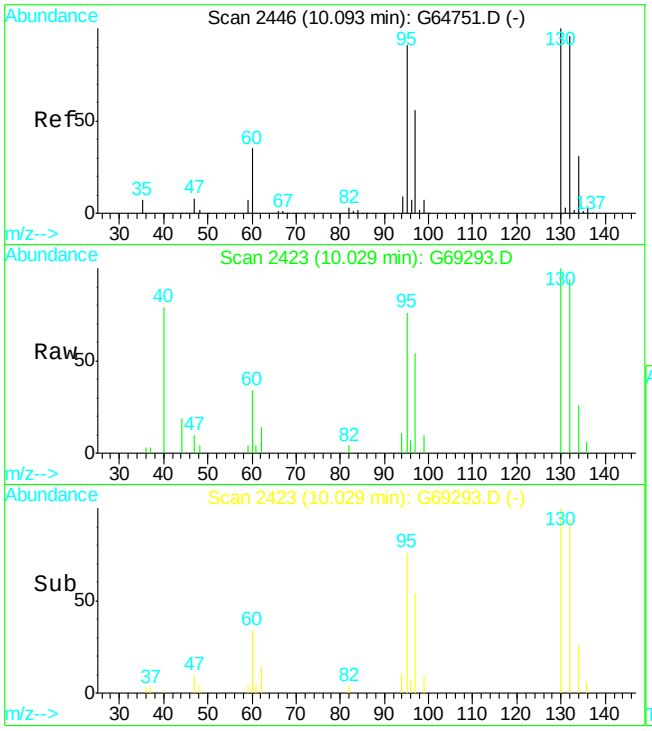




#42
1,1,1-trichloroethane
Concen: 1.30 ppb
RT: 9.02 min Scan# 2059
Delta R.T. 0.00 min
Lab File: G69293.D
Acq: 30 Apr 2007 4:16 pm

Tgt Ion: 97 Resp: 8184

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 62.2 | 33.7 | 93.7 |
| 61 | 38.2 | 14.3 | 74.3 |

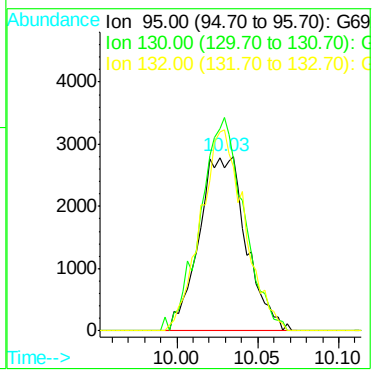


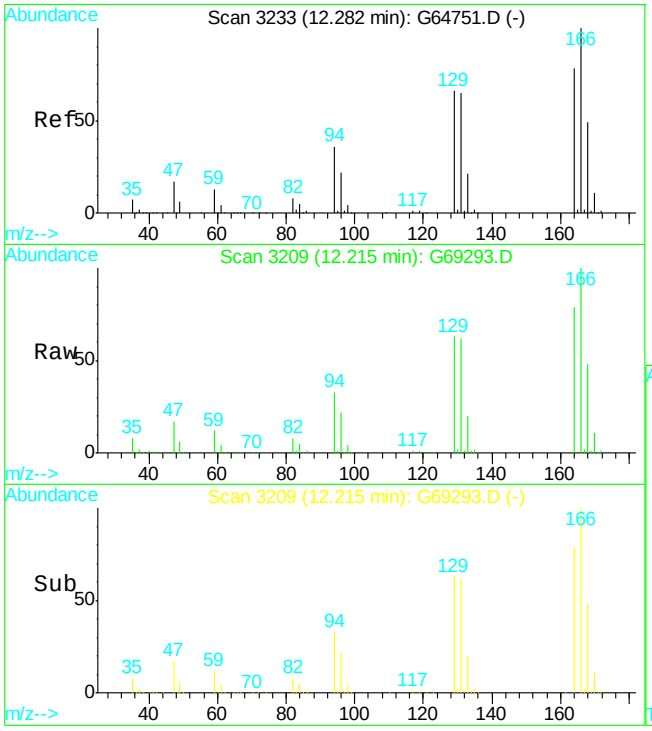



#51
trichloroethene
Concen: 1.31 ppb
RT: 10.03 min Scan# 2423
Delta R.T. 0.00 min
Lab File: G69293.D
Acq: 30 Apr 2007 4:16 pm

Tgt Ion: 95 Resp: 5561

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 130 | 131.3 | 70.8 | 130.8# |
| 132 | 123.8 | 69.6 | 129.6 |

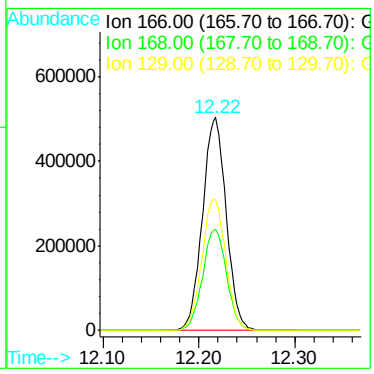



#67
tetrachloroethene
Concen: 164.84 ppb
RT: 12.22 min Scan# 3209
Delta R.T. -0.00 min
Lab File: G69293.D
Acq: 30 Apr 2007 4:16 pm

Tgt Ion:166 Resp: 864430

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 168 | 48.1 | 19.5 | 79.5 |
| 129 | 62.9 | 34.6 | 94.6 |



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69295.D Vial: 4
Acq On : 30 Apr 2007 5:09 pm Operator: kimt
Sample : M64162-20 Inst : 5973 G
Misc : MS13464,MSG2785,,,,5,10 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 19:04 2007 Quant Results File: G042507W.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration
DataAcq Meth : G8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 6.46 | 65 | 71431 | 500.00 | ppb | 0.05 |
| 3) pentafluorobenzene | 8.74 | 168 | 425775 | 50.00 | ppb | 0.00 |
| 43) 1,4-difluorobenzene | 9.61 | 114 | 591216 | 50.00 | ppb | 0.00 |
| 66) chlorobenzene-d5 | 12.86 | 82 | 297908 | 50.00 | ppb | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 15.42 | 152 | 337453 | 50.00 | ppb | 0.00 |

System Monitoring Compounds

| | | | | | | |
|---|---|---|---|---|---|---|
| 40) dibromofluoromethane (s) | 8.38 | 113 | 184820 | 50.15 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 83 - 127 | | Recovery = 100.30% | | | |
| 60) toluene-d8 (s) | 11.40 | 98 | 712682 | 49.57 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 89 - 112 | | Recovery = 99.14% | | | |
| 82) bromofluorobenzene (s) | 14.09 | 95 | 267255 | 48.25 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 81 - 119 | | Recovery = 96.50% | | | |

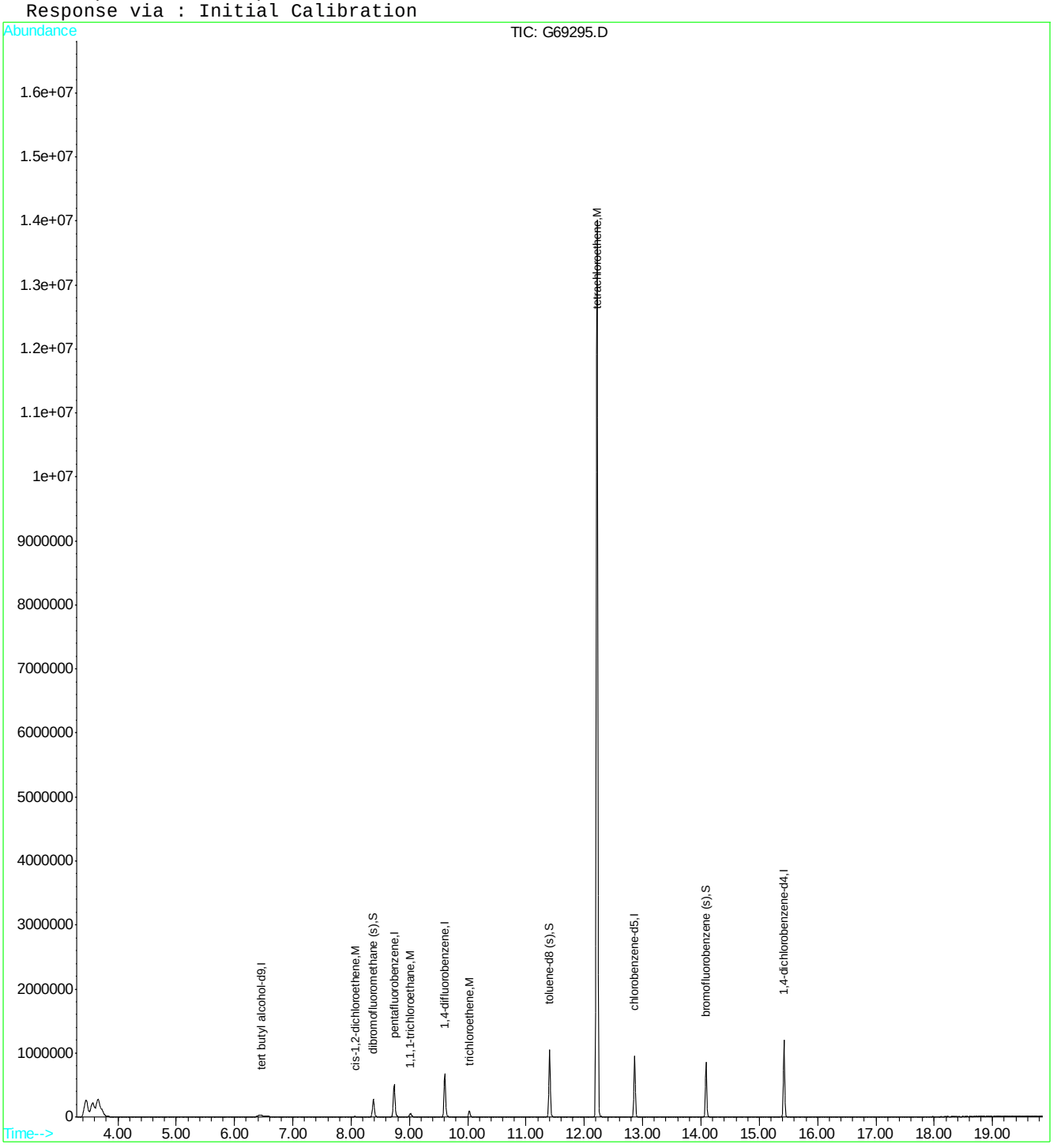
| Target Compounds | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 36) cis-1,2-dichloroethene | 8.06 | 96 | 2661 | 0.55 | ppb | 97 |
| 42) 1,1,1-trichloroethane | 9.02 | 97 | 42681 | 7.09 | ppb | 97 |
| 51) trichloroethene | 10.03 | 95 | 30803 | 7.48 | ppb | 89 |
| 67) tetrachloroethene | 12.22 | 166 | 4907601 | 976.77 | ppb | 96 |

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

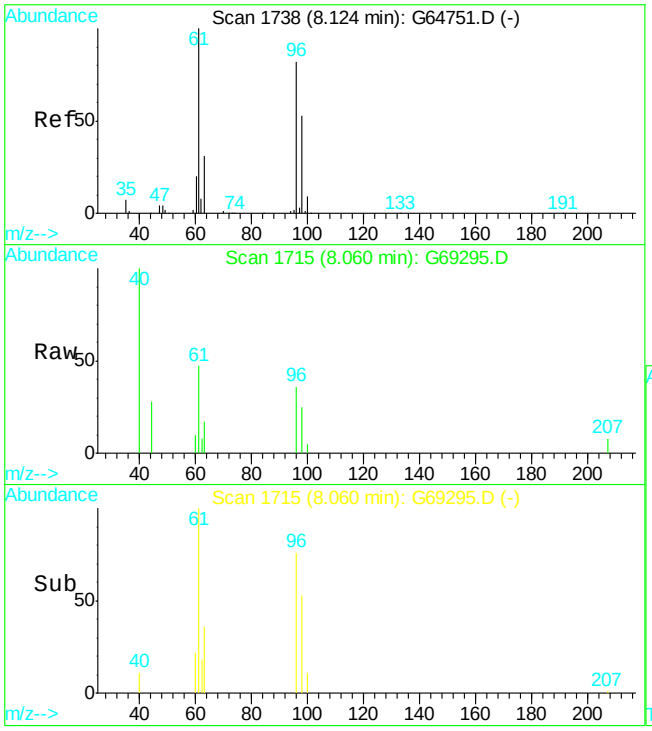
Quantitation Report

Data File : C:\HPCHEM\1\DATA\G69295.D  Vial: 4
Acq On : 30 Apr 2007 5:09 pm  Operator: kimt
Sample : M64162-20  Inst : 5973 G
Misc : MS13464,MSG2785,,,,5,10  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 19:04 2007  Quant Results File: G042507W.RES

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration



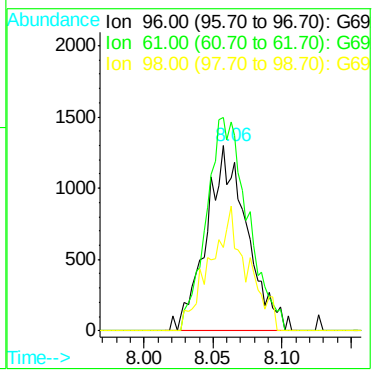

G69295.D G042507W.M Mon Apr 30 19:04:47 2007 RP1 Page 2

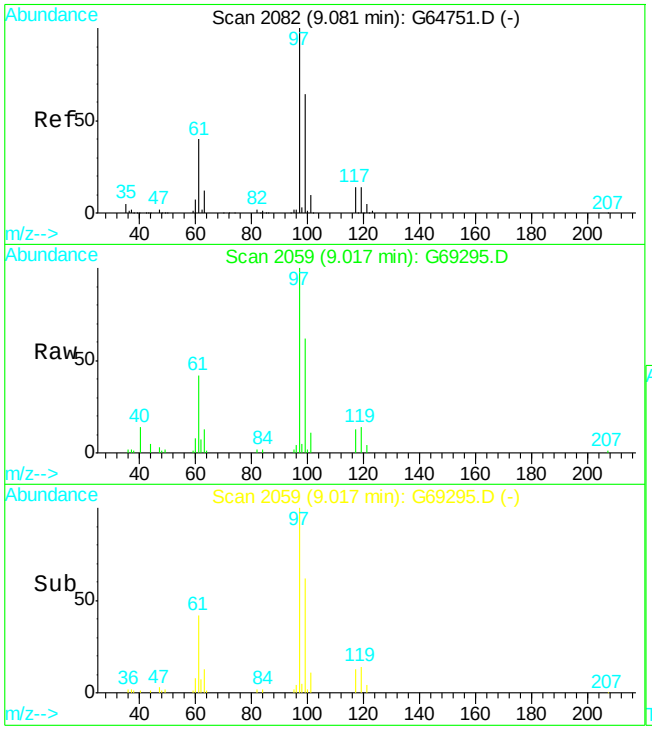



#36
cis-1,2-dichloroethene
Concen: 0.55 ppb
RT: 8.06 min Scan# 1715
Delta R.T. 0.00 min
Lab File: G69295.D
Acq: 30 Apr 2007 5:09 pm

Tgt Ion: 96 Resp: 2661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 130.9 | 103.3 | 163.3 |
| 98 | 69.6 | 35.4 | 95.4 |

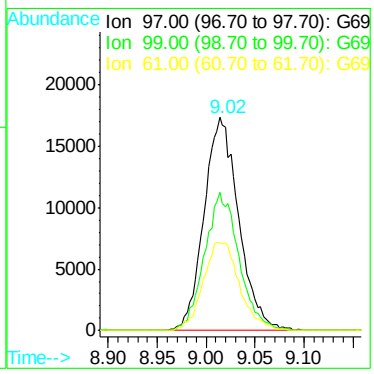


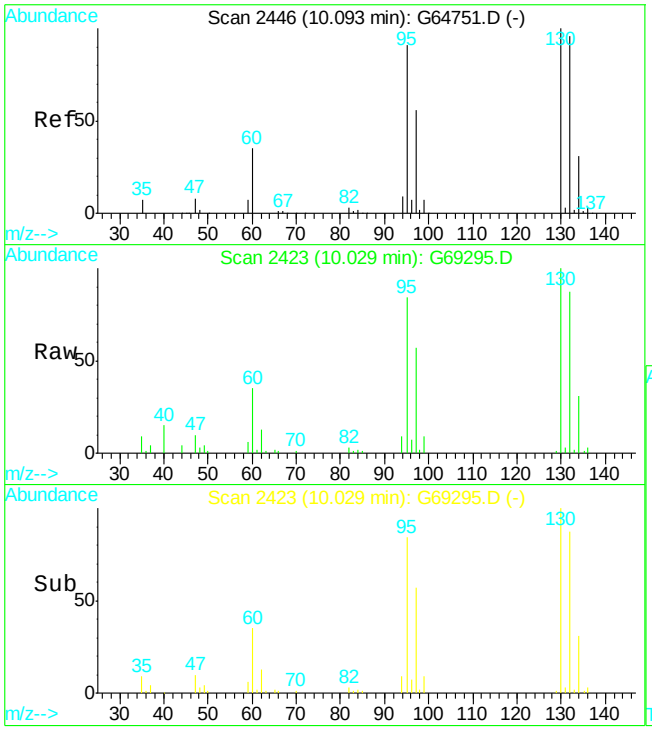




#42
1,1,1-trichloroethane
Concen: 7.09 ppb
RT: 9.02 min Scan# 2059
Delta R.T. 0.00 min
Lab File: G69295.D
Acq: 30 Apr 2007 5:09 pm

Tgt Ion: 97 Resp: 42681

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 61.7 | 33.7 | 93.7 |
| 61 | 42.4 | 14.3 | 74.3 |

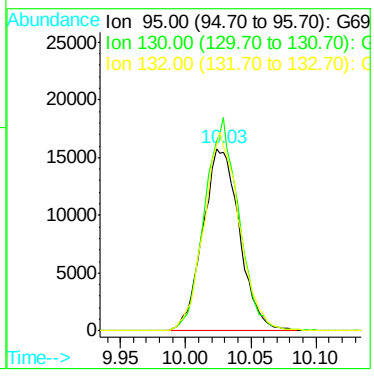


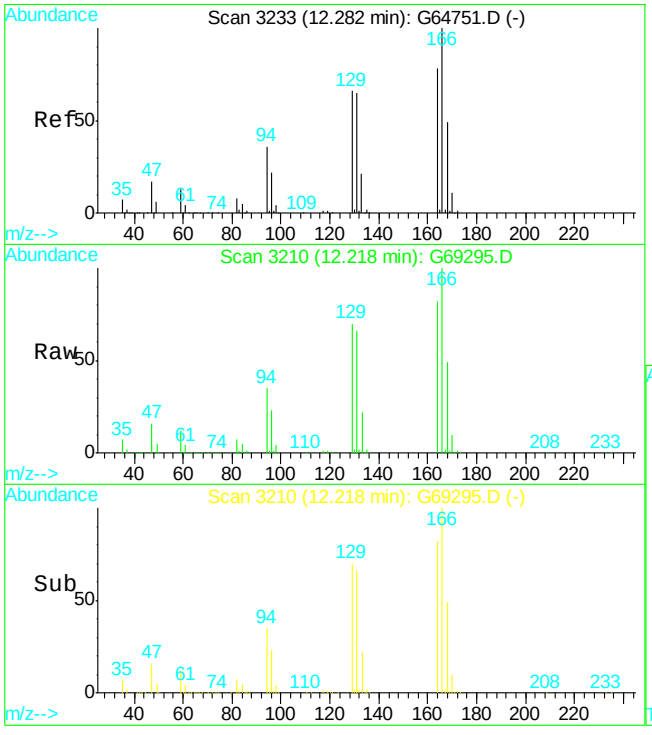



#51
trichloroethene
Concen: 7.48 ppb
RT: 10.03 min Scan# 2423
Delta R.T. 0.00 min
Lab File: G69295.D
Acq: 30 Apr 2007 5:09 pm

Tgt Ion: 95 Resp: 30803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 130 | 119.5 | 70.8 | 130.8 |
| 132 | 103.3 | 69.6 | 129.6 |

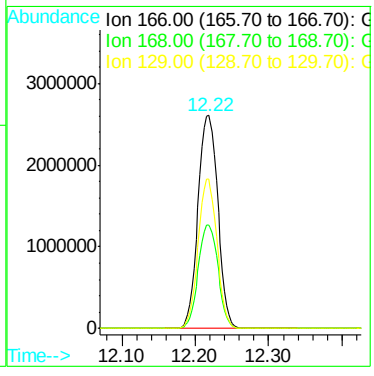



#67
tetrachloroethene
Concen: 976.77 ppb
RT: 12.22 min Scan# 3210
Delta R.T. 0.00 min
Lab File: G69295.D
Acq: 30 Apr 2007 5:09 pm

Tgt Ion:166 Resp: 4907601

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 168 | 48.7 | 19.5 | 79.5 |
| 129 | 70.0 | 34.6 | 94.6 |



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69298.D Vial: 7
Acq On : 30 Apr 2007 6:28 pm Operator: kimt
Sample : M64162-21 Inst : 5973 G
Misc : MS13464,MSG2785,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 19:10 2007 Quant Results File: G042507W.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration
DataAcq Meth : G8260

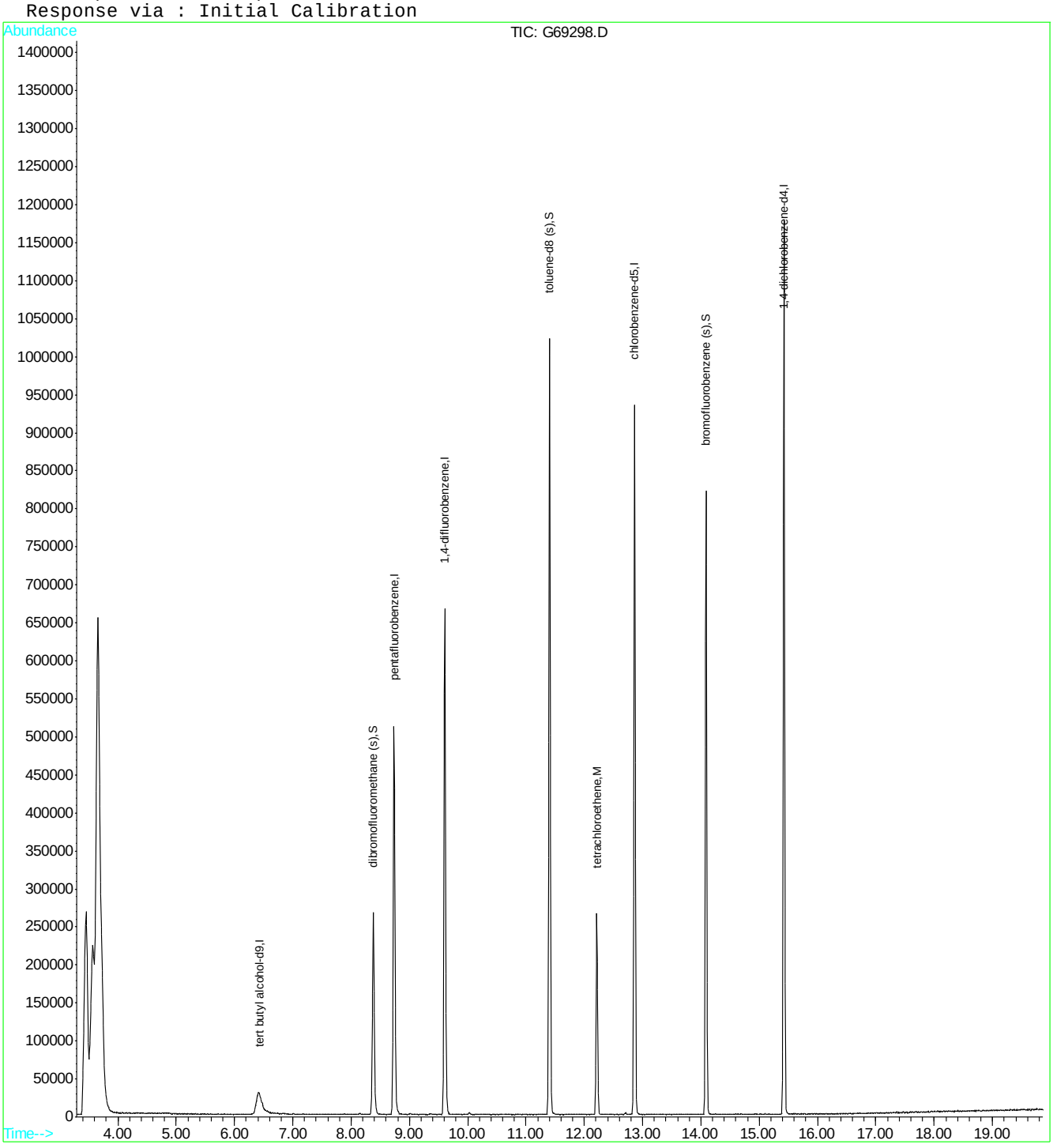
| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 6.43 | 65 | 87508 | 500.00 | ppb | 0.02 |
| 3) pentafluorobenzene | 8.74 | 168 | 410726 | 50.00 | ppb | 0.00 |
| 43) 1,4-difluorobenzene | 9.61 | 114 | 567340 | 50.00 | ppb | 0.00 |
| 66) chlorobenzene-d5 | 12.86 | 82 | 289031 | 50.00 | ppb | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 15.42 | 152 | 326913 | 50.00 | ppb | 0.00 |
| System Monitoring Compounds | | | | | | |
| 40) dibromofluoromethane (s) | 8.38 | 113 | 177357 | 49.88 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 83 - 127 | | Recovery = 99.76% | | | |
| 60) toluene-d8 (s) | 11.40 | 98 | 690694 | 50.06 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 89 - 112 | | Recovery = 100.12% | | | |
| 82) bromofluorobenzene (s) | 14.09 | 95 | 258856 | 48.24 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 81 - 119 | | Recovery = 96.48% | | | |
| Target Compounds | | | | | | Qvalue |
| 67) tetrachloroethene | 12.22 | 166 | 87170 | 17.88 | ppb | 97 |

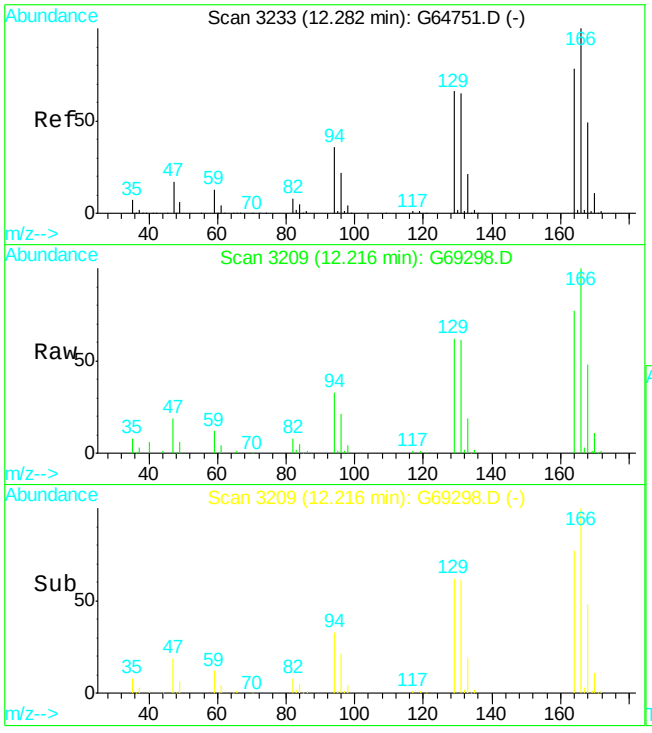
(#) = qualifier out of range (m) = manual integration

# Quantitation Report

Data File : C:\HPCHEM\1\DATA\G69298.D  Vial: 7
Acq On : 30 Apr 2007 6:28 pm  Operator: kimt
Sample : M64162-21  Inst : 5973 G
Misc : MS13464,MSG2785,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 19:10 2007  Quant Results File: G042507W.RES

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration

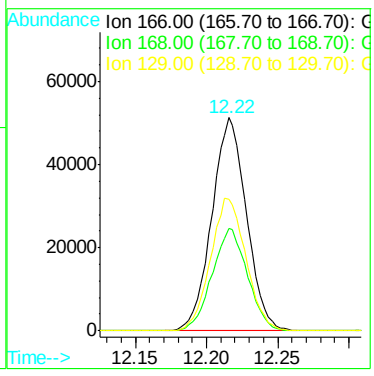





#67
tetrachloroethene
Concen: 17.88 ppb
RT: 12.22 min Scan# 3209
Delta R.T. -0.00 min
Lab File: G69298.D
Acq: 30 Apr 2007 6:28 pm

Tgt Ion:166 Resp: 87170

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 168 | 48.2 | 19.5 | 79.5 |
| 129 | 61.6 | 34.6 | 94.6 |



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69296.D Vial: 5
Acq On : 30 Apr 2007 5:35 pm Operator: kimt
Sample : M64162-22 Inst : 5973 G
Misc : MS13464,MSG2785,,,,5,2 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 19:06 2007 Quant Results File: G042507W.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration
DataAcq Meth : G8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 6.47 | 65 | 85300 | 500.00 | ppb | 0.05 |
| 3) pentafluorobenzene | 8.74 | 168 | 403024 | 50.00 | ppb | 0.00 |
| 43) 1,4-difluorobenzene | 9.61 | 114 | 557316 | 50.00 | ppb | 0.00 |
| 66) chlorobenzene-d5 | 12.86 | 82 | 281762 | 50.00 | ppb | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 15.42 | 152 | 324239 | 50.00 | ppb | 0.00 |

System Monitoring Compounds

| | | | | | | |
|---|---|---|---|---|---|---|
| 40) dibromofluoromethane (s) | 8.38 | 113 | 174649 | 50.06 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 83 - 127 | | Recovery = 100.12% | | | |
| 60) toluene-d8 (s) | 11.40 | 98 | 669395 | 49.39 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 89 - 112 | | Recovery = 98.78% | | | |
| 82) bromofluorobenzene (s) | 14.09 | 95 | 256953 | 48.28 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 81 - 119 | | Recovery = 96.56% | | | |

Target Compounds

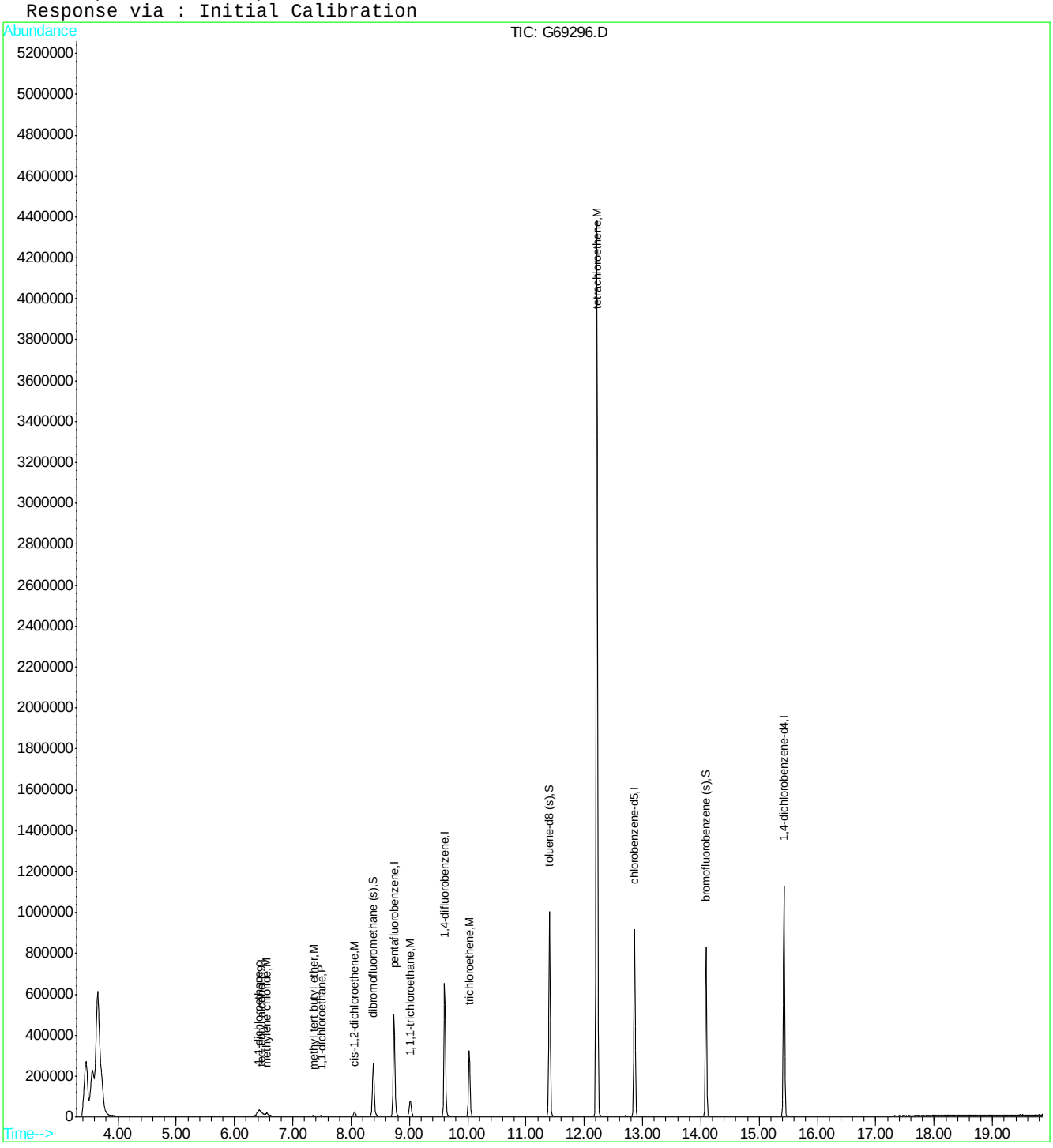
| | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 15) 1,1-dichloroethene | 6.42 | 96 | 5101 | 1.42 | ppb | 89 |
| 18) methylene chloride | 6.56 | 84 | 7933 | 1.24 | ppb | 88 |
| 19) methyl tert butyl ether | 7.35 | 73 | 4324 | 0.40 | ppb | 80 |
| 32) 1,1-dichloroethane | 7.49 | 63 | 3242 | 0.46 | ppb | 84 |
| 36) cis-1,2-dichloroethene | 8.06 | 96 | 12006 | 2.64 | ppb | 97 |
| 42) 1,1,1-trichloroethane | 9.02 | 97 | 60374 | 10.59 | ppb | 97 |
| 51) trichloroethene | 10.03 | 95 | 107616 | 27.74 | ppb | 94 |
| 67) tetrachloroethene | 12.22 | 166 | 1467859 | 308.89 | ppb | 97 |

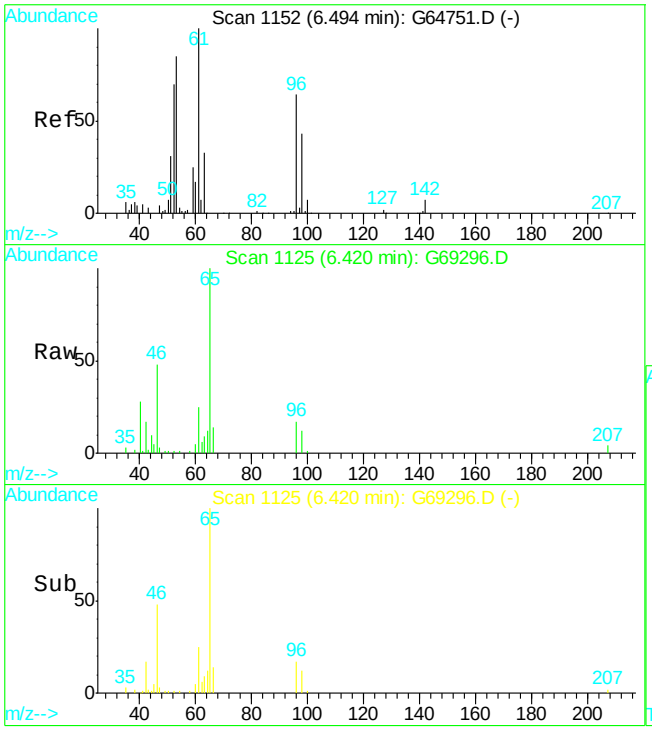
(#) = qualifier out of range (m) = manual integration
G69296.D G042507W.M Mon Apr 30 19:06:23 2007 RP1

# Quantitation Report

Data File : C:\HPCHEM\1\DATA\G69296.D  Vial: 5
Acq On : 30 Apr 2007 5:35 pm  Operator: kimt
Sample : M64162-22  Inst : 5973 G
Misc : MS13464,MSG2785,,,,5,2  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 19:06 2007  Quant Results File: G042507W.RES

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration

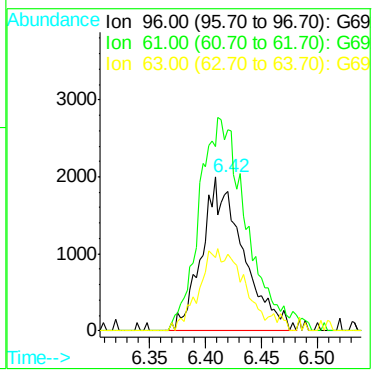


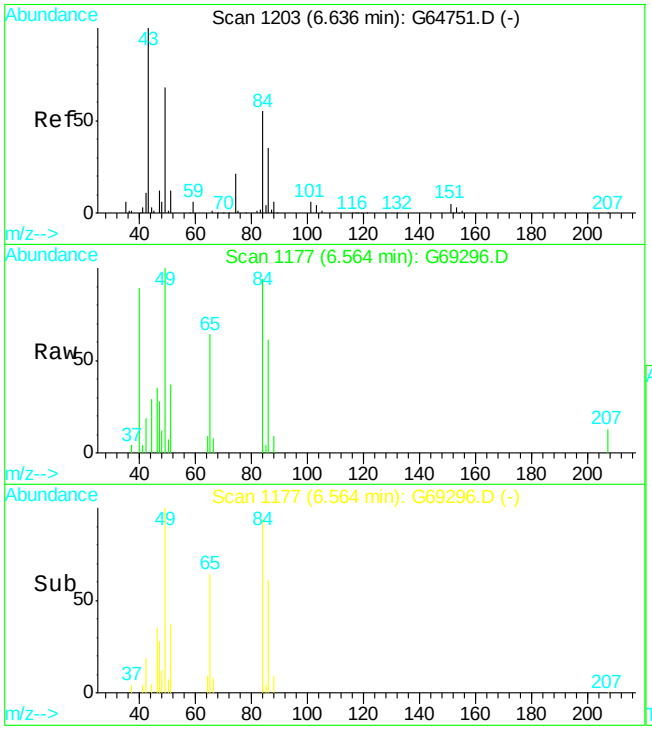



#15
1,1-dichloroethene
Concen: 1.42 ppb
RT: 6.42 min Scan# 1125
Delta R.T. 0.00 min
Lab File: G69296.D
Acq: 30 Apr 2007 5:35 pm

Tgt Ion: 96 Resp: 5101

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 144.0 | 130.9 | 190.9 |
| 63 | 54.6 | 20.9 | 80.9 |

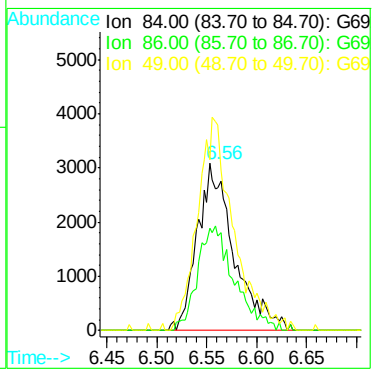


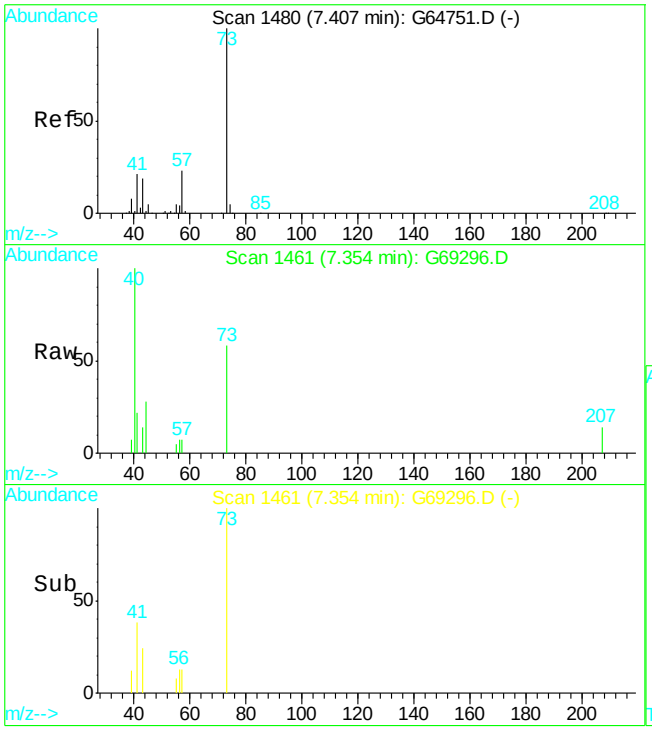




#18
methylene chloride
Concen: 1.24 ppb
RT: 6.56 min Scan# 1177
Delta R.T. 0.00 min
Lab File: G69296.D
Acq: 30 Apr 2007 5:35 pm

Tgt Ion: 84 Resp: 7933

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 65.3 | 35.6 | 95.6 |
| 49 | 106.6 | 98.2 | 158.2 |

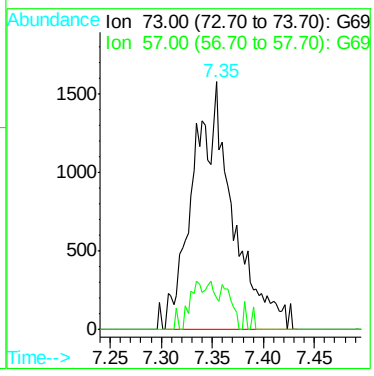


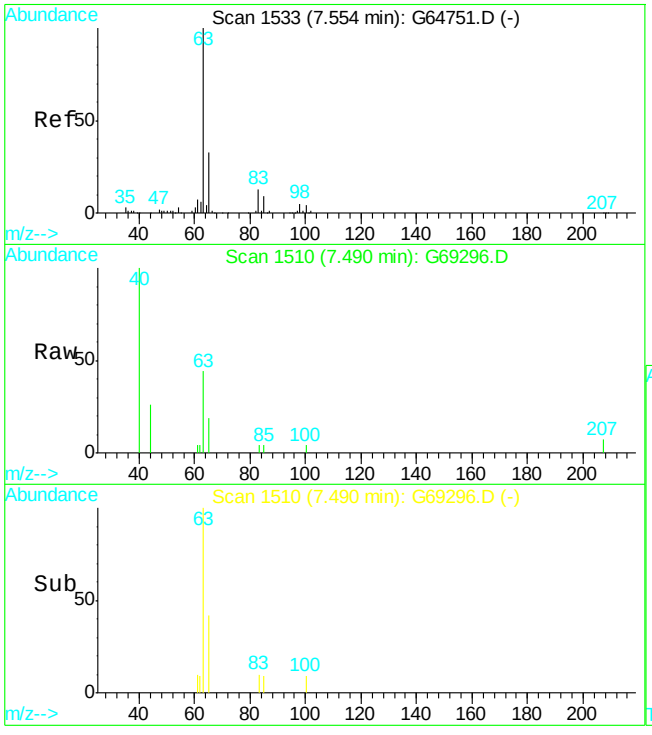



#19
methyl tert butyl ether
Concen: 0.40 ppb
RT: 7.35 min Scan# 1461
Delta R.T. 0.01 min
Lab File: G69296.D
Acq: 30 Apr 2007 5:35 pm

Tgt Ion: 73 Resp: 4324

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 12.7 | 0.0 | 52.1 |

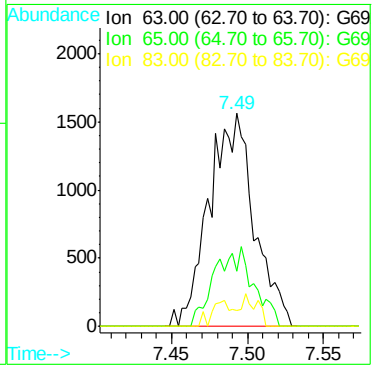


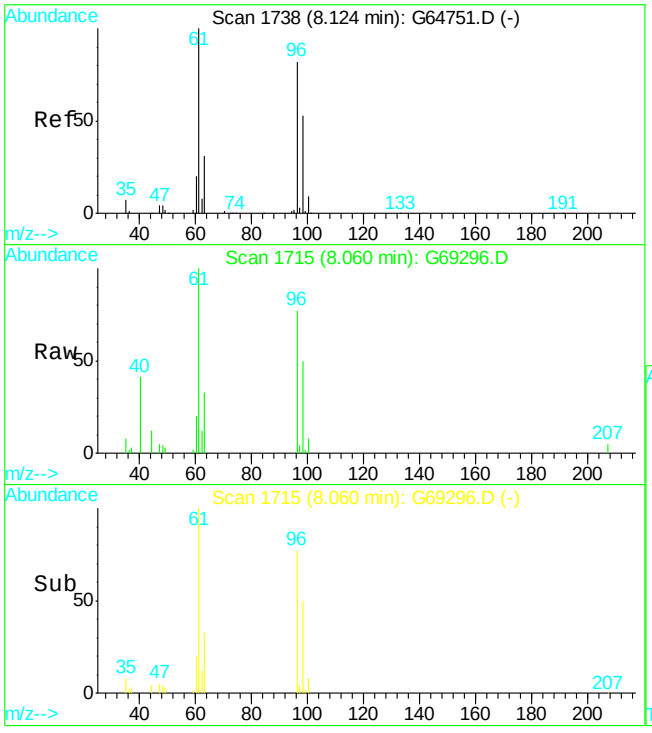




#32
1,1-dichloroethane
Concen: 0.46 ppb
RT: 7.49 min Scan# 1510
Delta R.T. -0.00 min
Lab File: G69296.D
Acq: 30 Apr 2007 5:35 pm

Tgt Ion: 63 Resp: 3242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 42.2 | 1.3 | 61.3 |
| 83 | 9.9 | 0.0 | 42.8 |

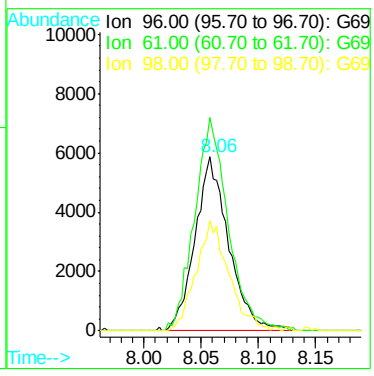


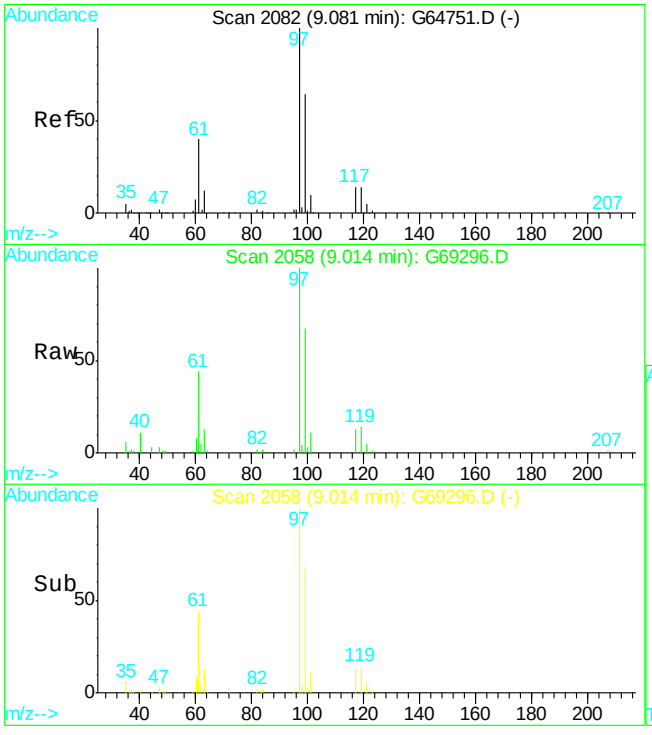



#36
cis-1,2-dichloroethene
Concen: 2.64 ppb
RT: 8.06 min Scan# 1715
Delta R.T. 0.00 min
Lab File: G69296.D
Acq: 30 Apr 2007 5:35 pm

Tgt Ion: 96 Resp: 12006

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 129.5 | 103.3 | 163.3 |
| 98 | 64.4 | 35.4 | 95.4 |

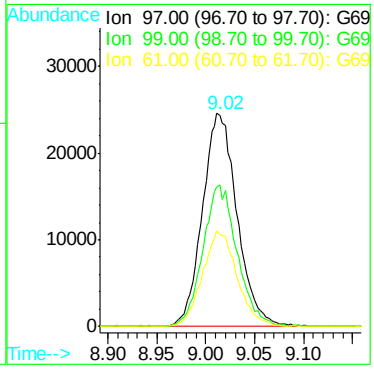


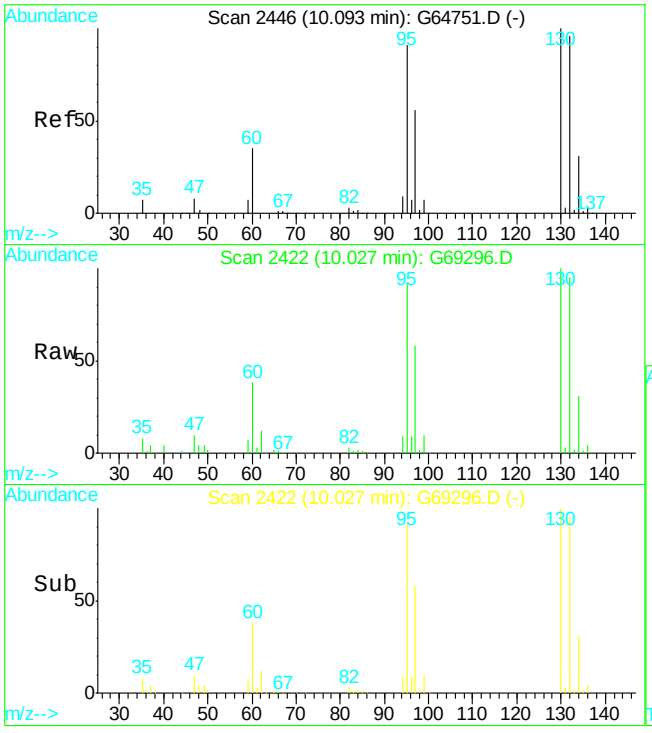




#42
1,1,1-trichloroethane
Concen: 10.59 ppb
RT: 9.02 min Scan# 2058
Delta R.T. -0.00 min
Lab File: G69296.D
Acq: 30 Apr 2007 5:35 pm

Tgt Ion: 97 Resp: 60374

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 66.9 | 33.7 | 93.7 |
| 61 | 43.9 | 14.3 | 74.3 |

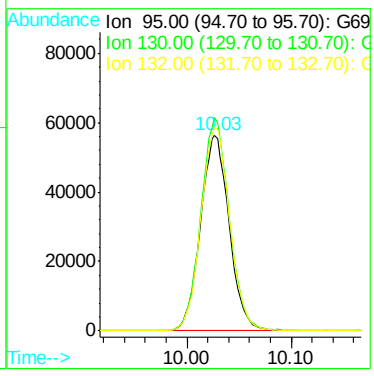


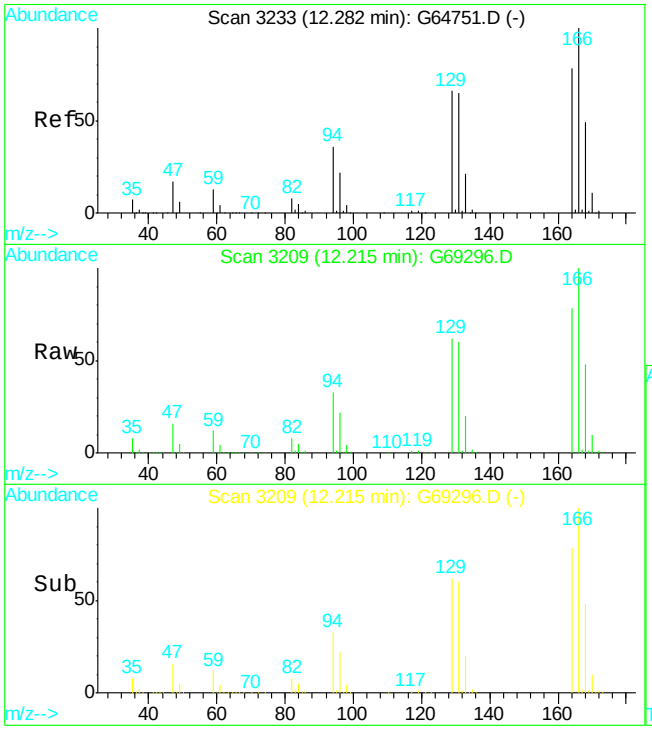



#51
trichloroethene
Concen: 27.74 ppb
RT: 10.03 min Scan# 2422
Delta R.T. 0.00 min
Lab File: G69296.D
Acq: 30 Apr 2007 5:35 pm

Tgt Ion: 95 Resp: 107616

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 130 | 108.9 | 70.8 | 130.8 |
| 132 | 103.8 | 69.6 | 129.6 |

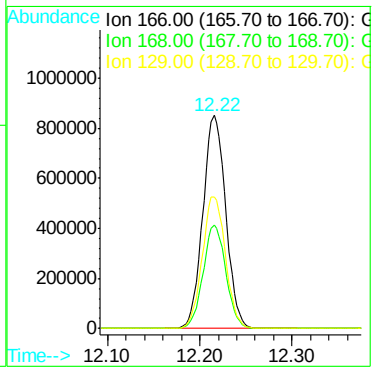



#67
tetrachloroethene
Concen: 308.89 ppb
RT: 12.22 min Scan# 3209
Delta R.T. -0.00 min
Lab File: G69296.D
Acq: 30 Apr 2007 5:35 pm

Tgt Ion:166 Resp: 1467859

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 168 | 48.5 | 19.5 | 79.5 |
| 129 | 61.9 | 34.6 | 94.6 |



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p17206.D
Acq On : 26 Apr 2007 2:29 pm
Operator : amym
Sample : m64162-23
Misc : ms13438,msp589,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 27 10:57:05 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 25 09:57:54 2007
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 6.613 | 65 | 97665 | 500.00 | ug/L | 0.02 |
| 3) pentafluorobenzene | 9.004 | 168 | 118900 | 50.00 | ug/L | 0.00 |
| 42) 1,4-difluorobenzene | 9.874 | 114 | 203351 | 50.00 | ug/L | 0.00 |
| 65) chlorobenzene-d5 | 13.131 | 82 | 139218 | 50.00 | ug/L | 0.00 |
| 79) 1,4-dichlorobenzene-d4 | 15.692 | 152 | 103364 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 39) dibromofluoromethane (s) | 8.647 | 113 | 77376 | 56.83 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 85 - 129 | | Recovery = 113.66% | | | |
| 59) toluene-d8 (s) | 11.672 | 98 | 267159 | 52.01 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 104.02% | | | |
| 81) bromofluorobenzene (s) | 14.357 | 95 | 120706 | 48.01 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 119 | | Recovery = 96.02% | | | |
| Target Compounds | | | | | | Qvalue |
| 7) vinyl chloride | 4.740 | 62 | 1007 | 0.55 | ug/L | 64 |
| 15) 1,1-dichloroethene | 6.651 | 96 | 30731 | 24.41 | ug/L # | 30 |
| 19) methyl tert butyl ether | 7.589 | 73 | 2718 | 0.74 | ug/L | 84 |
| 32) 1,1-dichloroethane | 7.749 | 63 | 38170 | 12.65 | ug/L | 87 |
| 36) cis-1,2-dichloroethene | 8.320 | 96 | 4129 | 2.67 | ug/L # | 76 |
| 38) chloroform | 8.524 | 83 | 10265 | 3.44 | ug/L | 97 |
| 41) 1,1,1-trichloroethane | 9.275 | 97 | 69928 | 27.87 | ug/L | 82 |
| 46) benzene | 9.678 | 78 | 1923 | 0.33 | ug/L | 99 |
| 50) trichloroethene | 10.295 | 95 | 262777 | 159.48 | ug/L # | 69 |
| 61) toluene | 11.744 | 92 | 1328 | 0.36 | ug/L # | 39 |
| 66) tetrachloroethene | 12.501 | 166 | 23867863 | 16478.49 | ug/L | 96 |

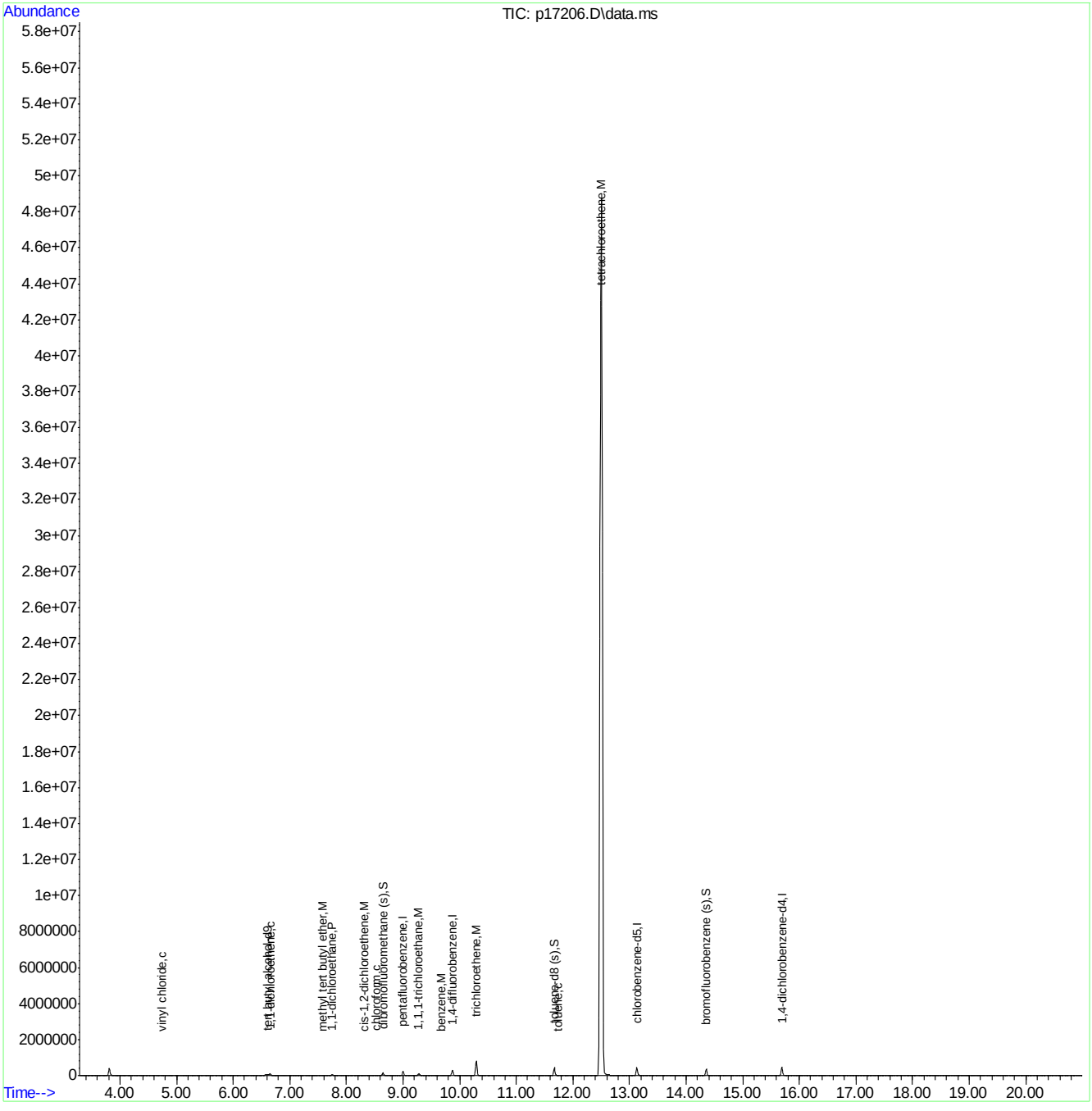
(#) = qualifier out of range (m) = manual integration (+) = signals summed

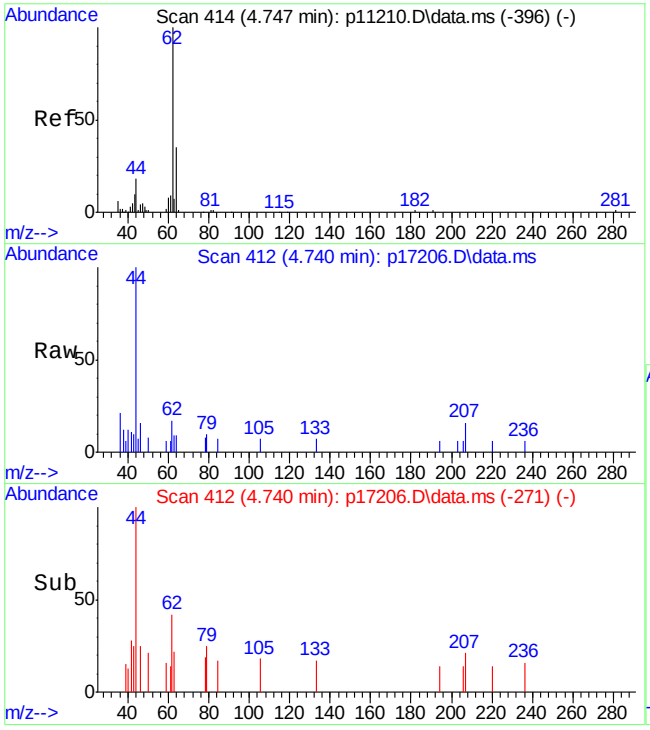
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p17206.D
Acq On : 26 Apr 2007 2:29 pm
Operator : amym
Sample : m64162-23
Misc : ms13438,msp589,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 27 10:57:05 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 25 09:57:54 2007
Response via : Initial Calibration



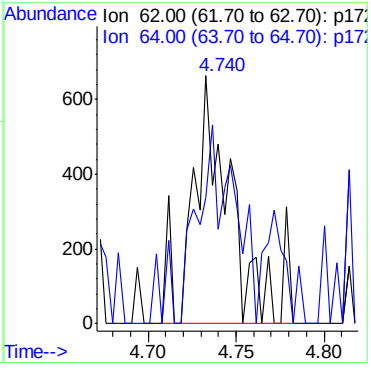


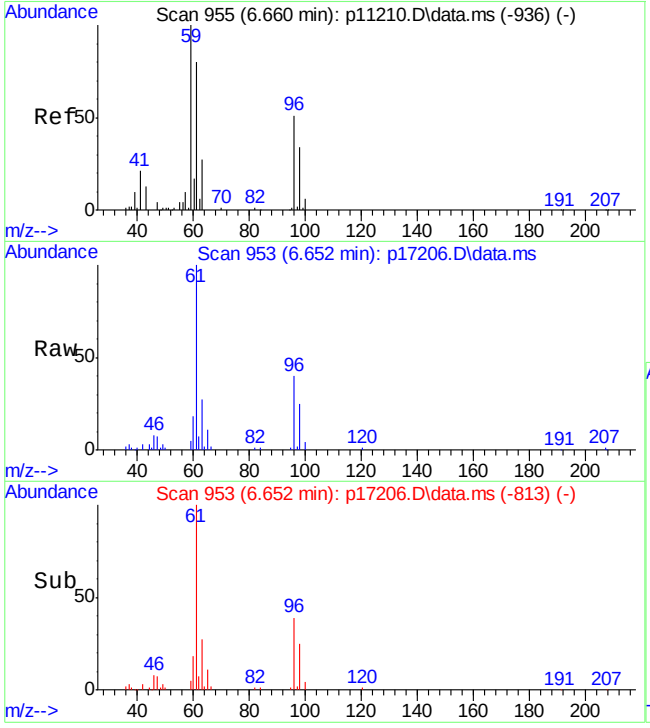



#7
vinyl chloride
Concen: 0.55 ug/L
RT: 4.740 min Scan# 412
Delta R.T. 0.000 min
Lab File: p17206.D
Acq: 26 Apr 2007 2:29 pm

Tgt Ion: 62 Resp: 1007

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 52.7 | 2.7 | 62.7 |

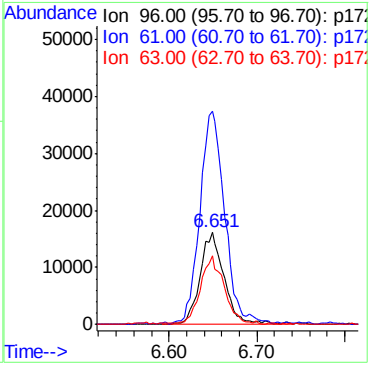


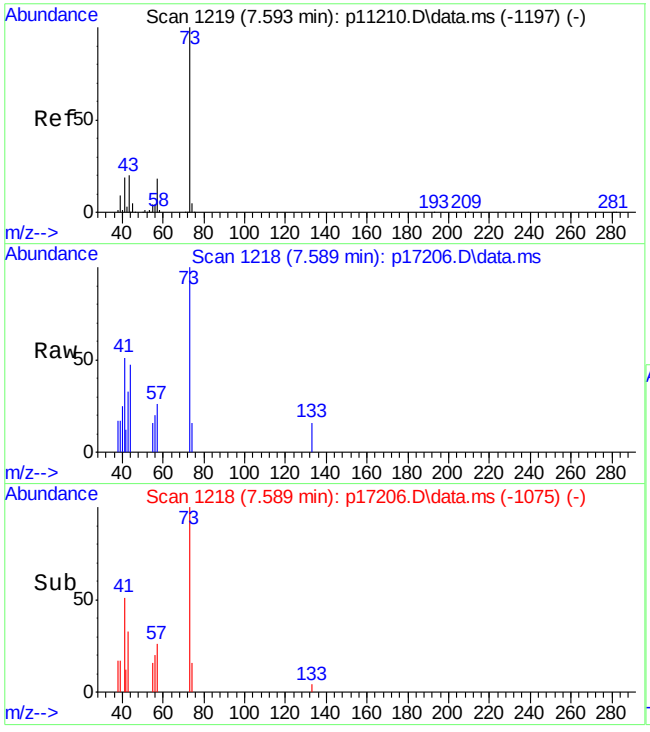




#15
1,1-dichloroethene
Concen: 24.41 ug/L
RT: 6.651 min Scan# 953
Delta R.T. -0.005 min
Lab File: p17206.D
Acq: 26 Apr 2007 2:29 pm

Tgt Ion: 96 Resp: 30731

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 250.4 | 116.4 | 176.4# |
| 63 | 68.8 | 19.0 | 79.0 |

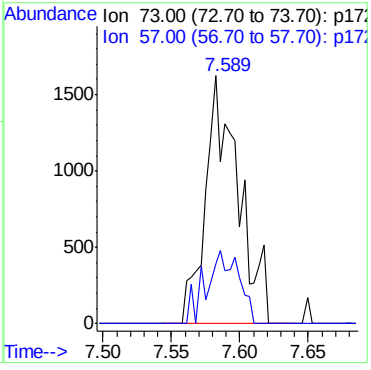


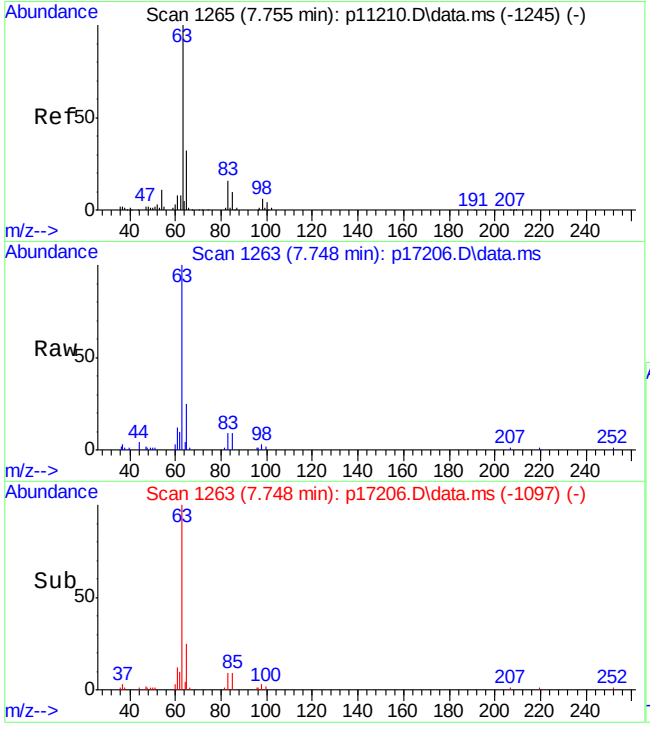



#19
methyl tert butyl ether
Concen: 0.74 ug/L
RT: 7.589 min Scan# 1218
Delta R.T. 0.004 min
Lab File: p17206.D
Acq: 26 Apr 2007 2:29 pm

Tgt Ion: 73 Resp: 2718

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 26.5 | 0.0 | 49.3 |

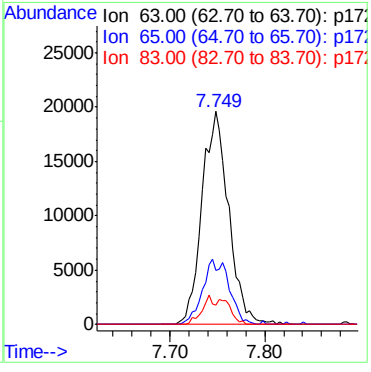


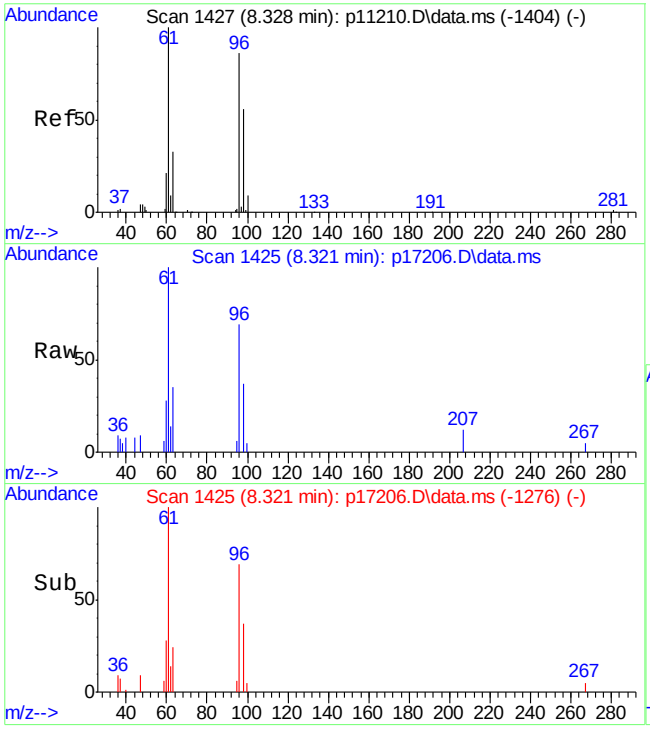




#32
1,1-dichloroethane
Concen: 12.65 ug/L
RT: 7.749 min Scan# 1263
Delta R.T. -0.003 min
Lab File: p17206.D
Acq: 26 Apr 2007 2:29 pm

Tgt Ion: 63 Resp: 38170

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 25.4 | 1.9 | 61.9 |
| 83 | 8.8 | 0.0 | 44.9 |

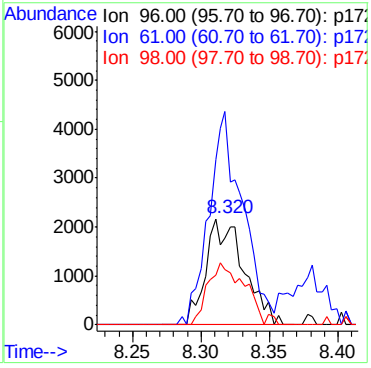


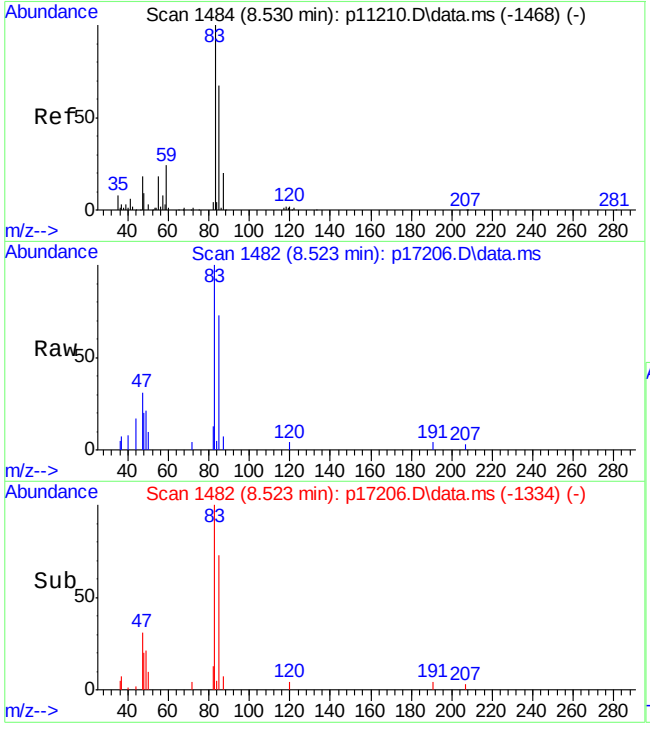



#36
cis-1,2-dichloroethene
Concen: 2.67 ug/L
RT: 8.320 min Scan# 1425
Delta R.T. -0.005 min
Lab File: p17206.D
Acq: 26 Apr 2007 2:29 pm

Tgt Ion: 96 Resp: 4129

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 145.1 | 83.9 | 143.9# |
| 98 | 53.2 | 35.0 | 95.0 |

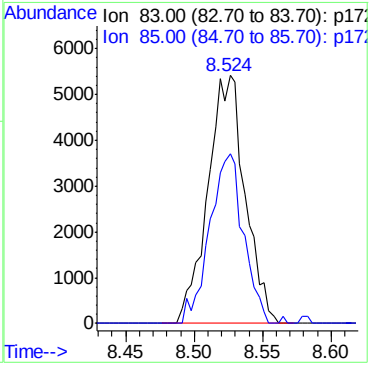


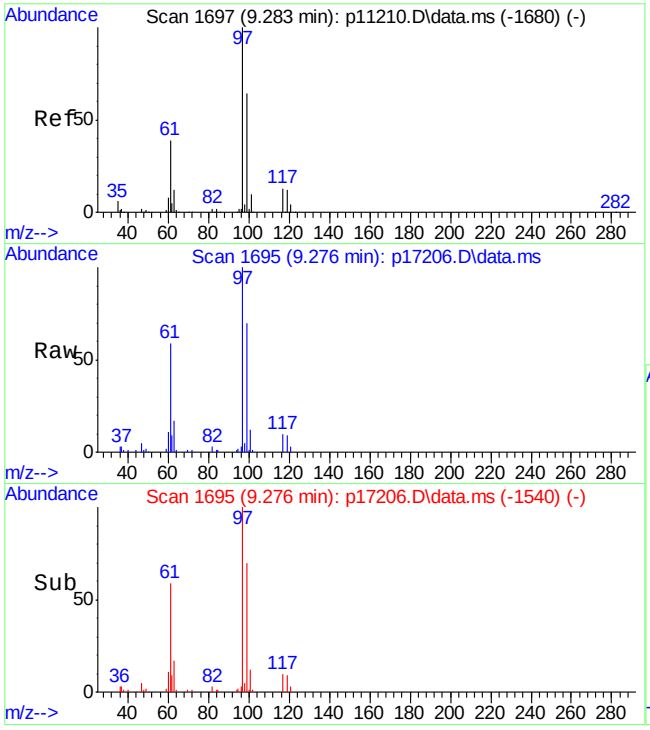




#38
chloroform
Concen: 3.44 ug/L
RT: 8.524 min Scan# 1482
Delta R.T. -0.005 min
Lab File: p17206.D
Acq: 26 Apr 2007 2:29 pm

Tgt Ion: 83 Resp: 10265

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 73.0 | 45.2 | 105.2 |

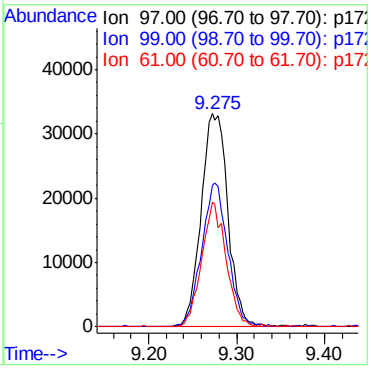


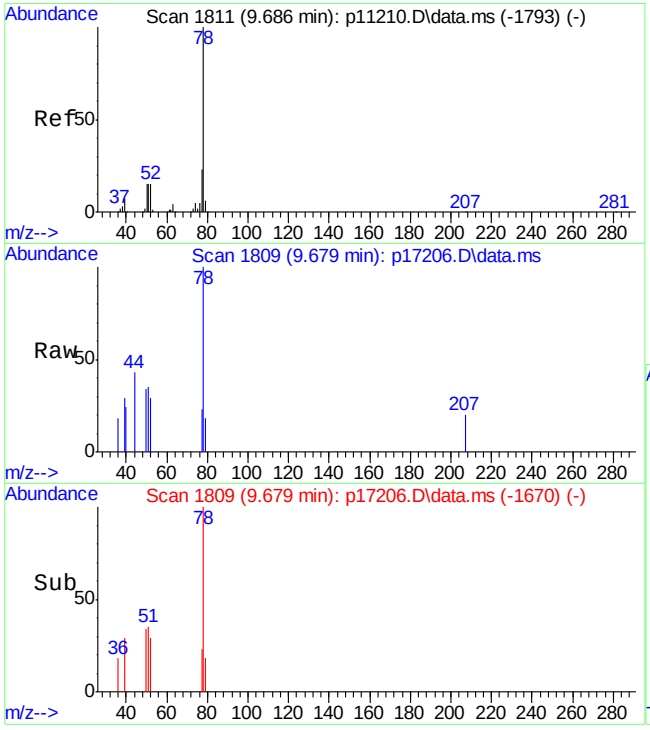



#41
1,1,1-trichloroethane
Concen: 27.87 ug/L
RT: 9.275 min Scan# 1695
Delta R.T. -0.001 min
Lab File: p17206.D
Acq: 26 Apr 2007 2:29 pm

Tgt Ion: 97 Resp: 69928

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 69.7 | 33.8 | 93.8 |
| 61 | 59.2 | 8.0 | 68.0 |

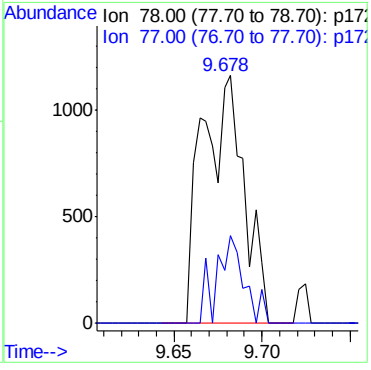


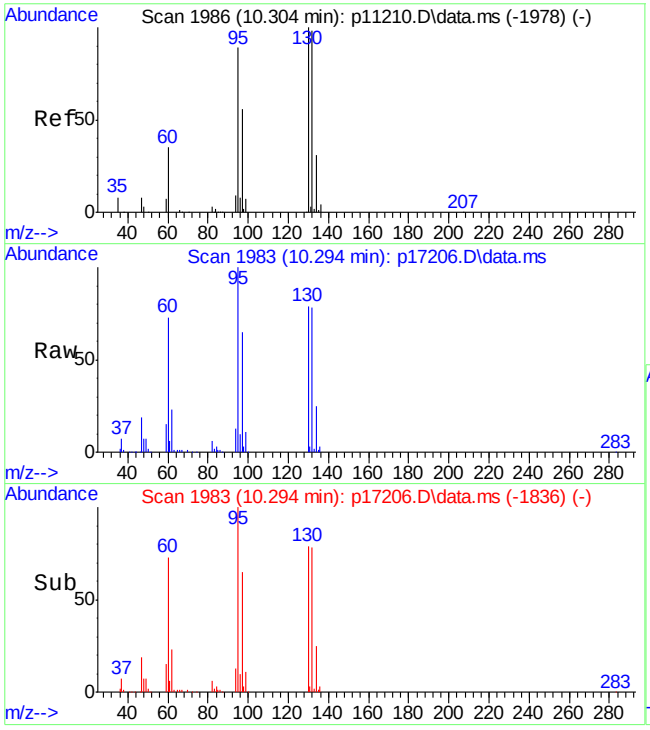




#46
benzene
Concen: 0.33 ug/L
RT: 9.678 min Scan# 1809
Delta R.T. 0.001 min
Lab File: p17206.D
Acq: 26 Apr 2007 2:29 pm

Tgt Ion: 78 Resp: 1923

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 22.7 | 0.0 | 53.0 |

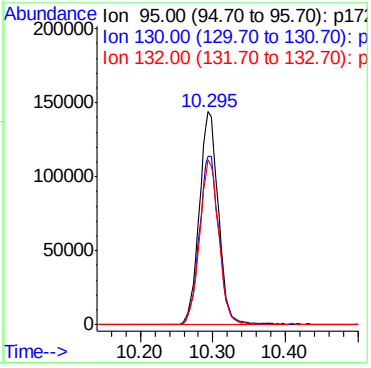


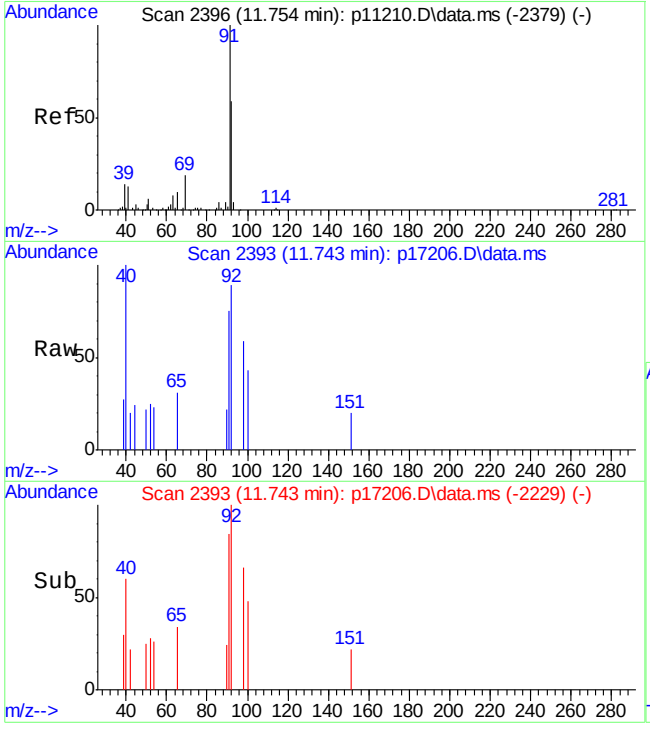



#50
trichloroethene
Concen: 159.48 ug/L
RT: 10.295 min Scan# 1983
Delta R.T. -0.000 min
Lab File: p17206.D
Acq: 26 Apr 2007 2:29 pm

Tgt Ion: 95 Resp: 262777

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 130 | 78.8 | 81.4 | 141.4# |
| 132 | 77.6 | 80.8 | 140.8# |

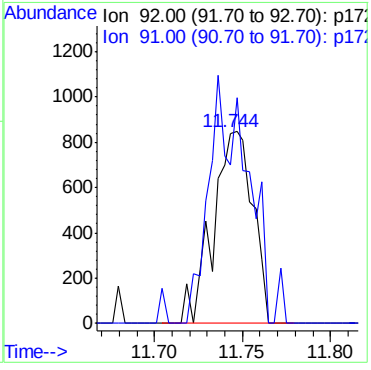


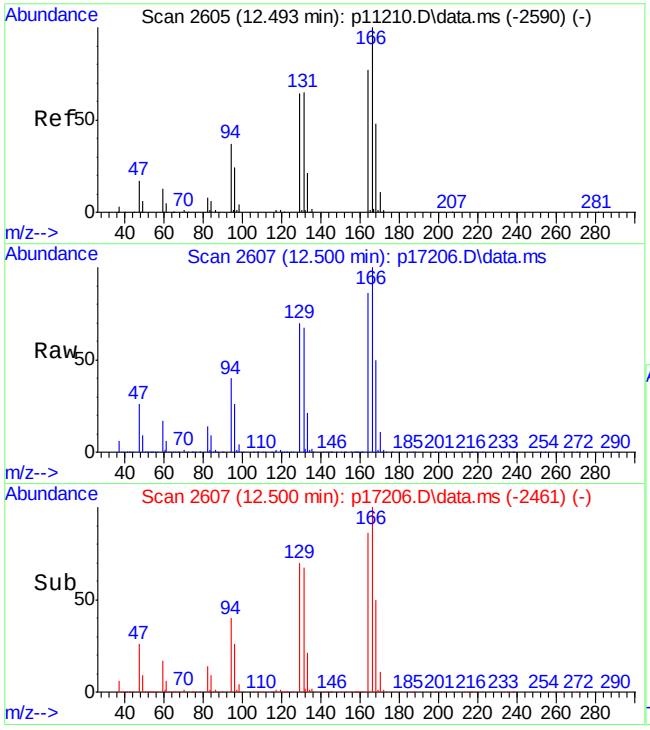




#61
toluene
Concen: 0.36 ug/L
RT: 11.744 min Scan# 2393
Delta R.T. 0.000 min
Lab File: p17206.D
Acq: 26 Apr 2007 2:29 pm

Tgt Ion: 92 Resp: 1328

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 83.8 | 135.8 | 195.8# |

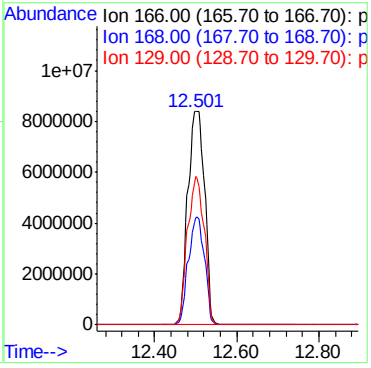





#66
tetrachloroethene
Concen: 16478.49 ug/L
RT: 12.501 min Scan# 2607
Delta R.T. 0.018 min
Lab File: p17206.D
Acq: 26 Apr 2007 2:29 pm

Tgt Ion:166 Resp:23867863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 168 | 50.0 | 17.7 | 77.7 |
| 129 | 69.5 | 36.7 | 96.7 |



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p17210.D
Acq On : 26 Apr 2007 4:26 pm
Operator : amym
Sample : m64162-23,1:250
Misc : ms13438,msp589,,,,5,250
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 27 11:08:05 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 25 09:57:54 2007
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 6.613 | 65 | 90265 | 500.00 | ug/L | 0.02 |
| 3) pentafluorobenzene | 9.002 | 168 | 107303 | 50.00 | ug/L | 0.00 |
| 42) 1,4-difluorobenzene | 9.876 | 114 | 187847 | 50.00 | ug/L | 0.00 |
| 65) chlorobenzene-d5 | 13.131 | 82 | 124624 | 50.00 | ug/L | 0.00 |
| 79) 1,4-dichlorobenzene-d4 | 15.693 | 152 | 88976 | 50.00 | ug/L | 0.00 |

System Monitoring Compounds

| | | | | | | |
|---|---|---|---|---|---|---|
| 39) dibromofluoromethane (s) | 8.644 | 113 | 67504 | 54.94 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 85 - 129 | | Recovery = 109.88% | | | |
| 59) toluene-d8 (s) | 11.672 | 98 | 239502 | 50.48 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 100.96% | | | |
| 81) bromofluorobenzene (s) | 14.358 | 95 | 106652 | 49.28 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 119 | | Recovery = 98.56% | | | |

| Target Compounds | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 50) trichloroethene | 10.294 | 95 | 11017 | 7.24 | ug/L # | 72 |
| 66) tetrachloroethene | 12.483 | 166 | 253747 | 195.70 | ug/L | 91 |

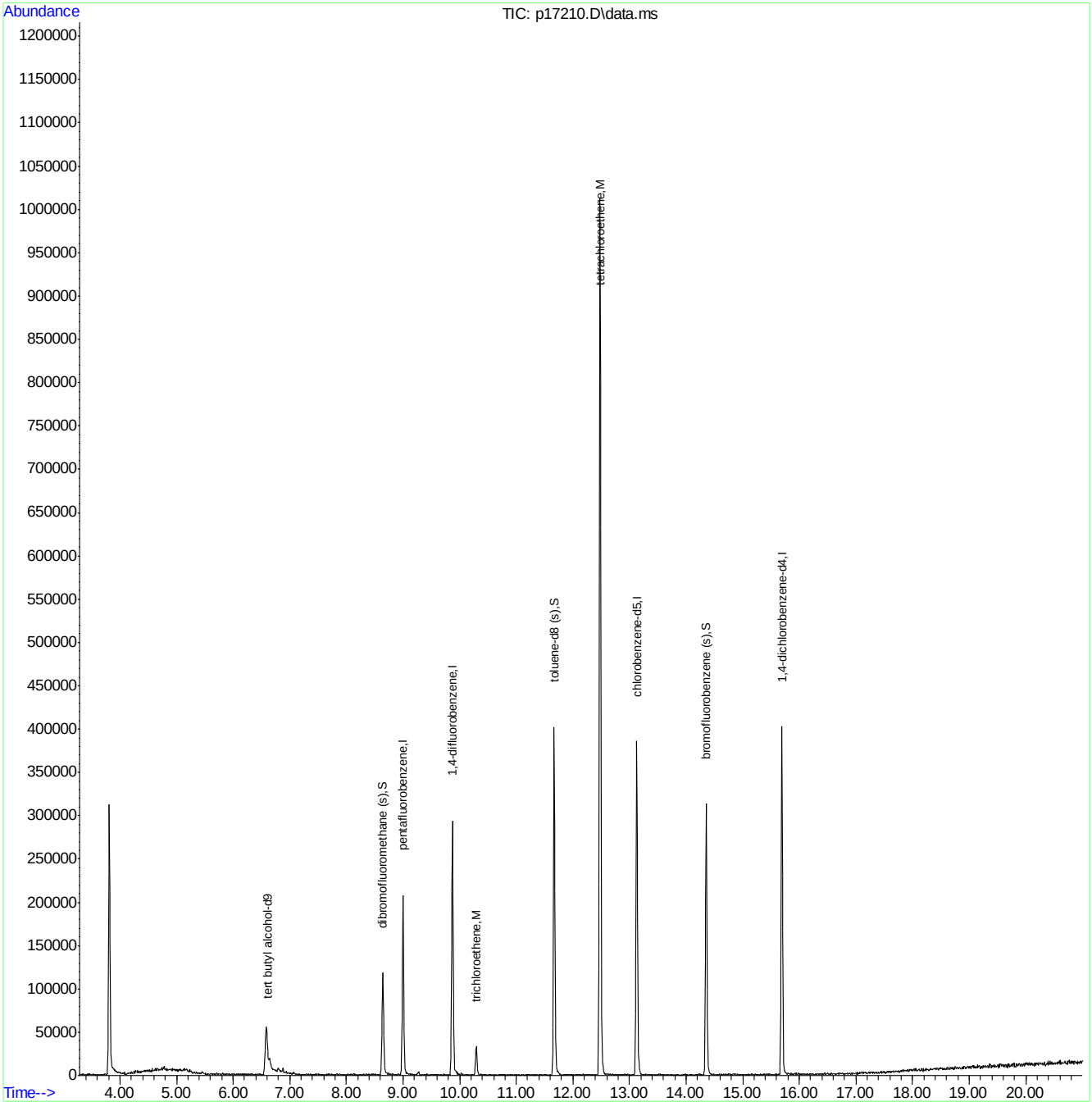
(#) = qualifier out of range (m) = manual integration (+) = signals summed

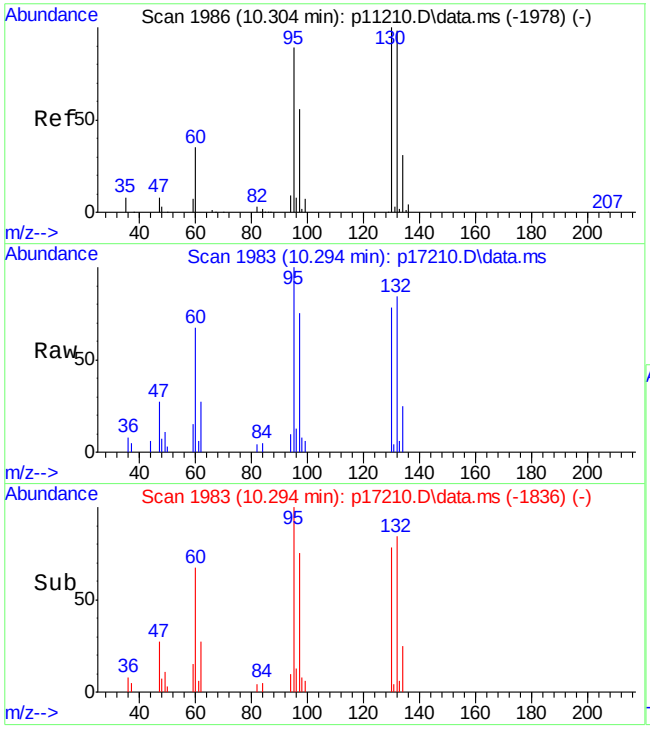
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p17210.D
Acq On : 26 Apr 2007 4:26 pm
Operator : amym
Sample : m64162-23,1:250
Misc : ms13438,msp589,,,,5,250
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 27 11:08:05 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 25 09:57:54 2007
Response via : Initial Calibration



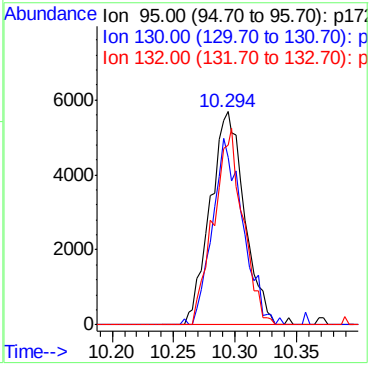


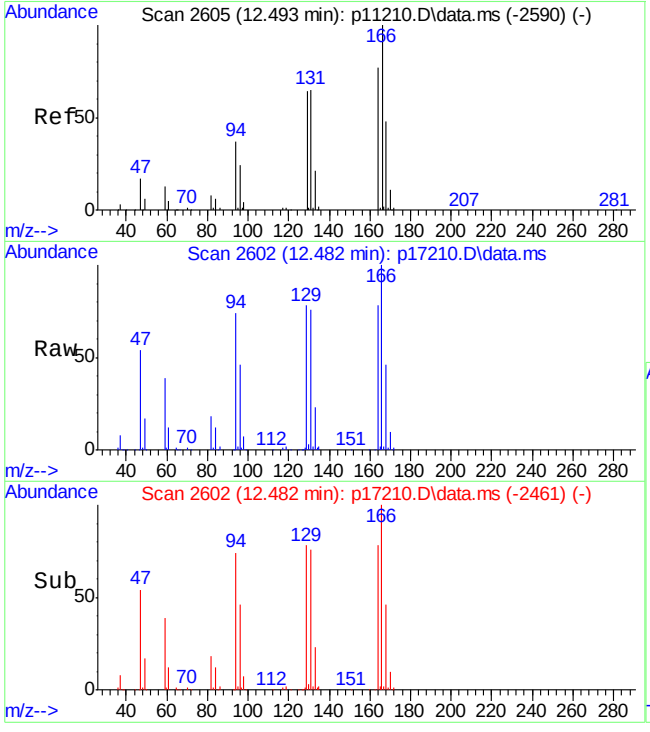



#50
trichloroethene
Concen: 7.24 ug/L
RT: 10.294 min Scan# 1983
Delta R.T. -0.002 min
Lab File: p17210.D
Acq: 26 Apr 2007 4:26 pm

Tgt Ion: 95 Resp: 11017

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 130 | 78.3 | 81.4 | 141.4# |
| 132 | 84.0 | 80.8 | 140.8 |

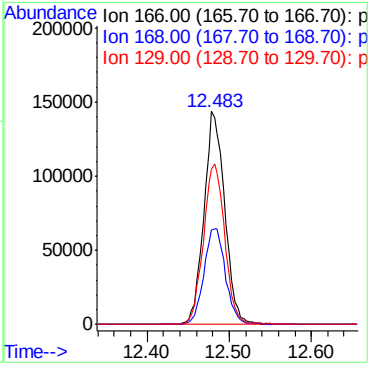



#66
tetrachloroethene
Concen: 195.70 ug/L
RT: 12.483 min Scan# 2602
Delta R.T. -0.001 min
Lab File: p17210.D
Acq: 26 Apr 2007 4:26 pm

Tgt Ion:166 Resp: 253747

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 168 | 46.2 | 17.7 | 77.7 |
| 129 | 77.7 | 36.7 | 96.7 |



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69297.D Vial: 6
Acq On : 30 Apr 2007 6:02 pm Operator: kimt
Sample : M64162-24 Inst : 5973 G
Misc : MS13464,MSG2785,,,,5,2 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 19:08 2007 Quant Results File: G042507W.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration
DataAcq Meth : G8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 6.46 | 65 | 80676 | 500.00 | ppb | 0.05 |
| 3) pentafluorobenzene | 8.74 | 168 | 404750 | 50.00 | ppb | 0.00 |
| 43) 1,4-difluorobenzene | 9.61 | 114 | 561026 | 50.00 | ppb | 0.00 |
| 66) chlorobenzene-d5 | 12.86 | 82 | 288981 | 50.00 | ppb | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 15.42 | 152 | 327518 | 50.00 | ppb | 0.00 |

System Monitoring Compounds

| | | | | | | |
|---|---|---|---|---|---|---|
| 40) dibromofluoromethane (s) | 8.38 | 113 | 178327 | 50.90 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 83 - 127 | | Recovery = 101.80% | | | |
| 60) toluene-d8 (s) | 11.40 | 98 | 679479 | 49.80 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 89 - 112 | | Recovery = 99.60% | | | |
| 82) bromofluorobenzene (s) | 14.09 | 95 | 257771 | 47.95 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 81 - 119 | | Recovery = 95.90% | | | |

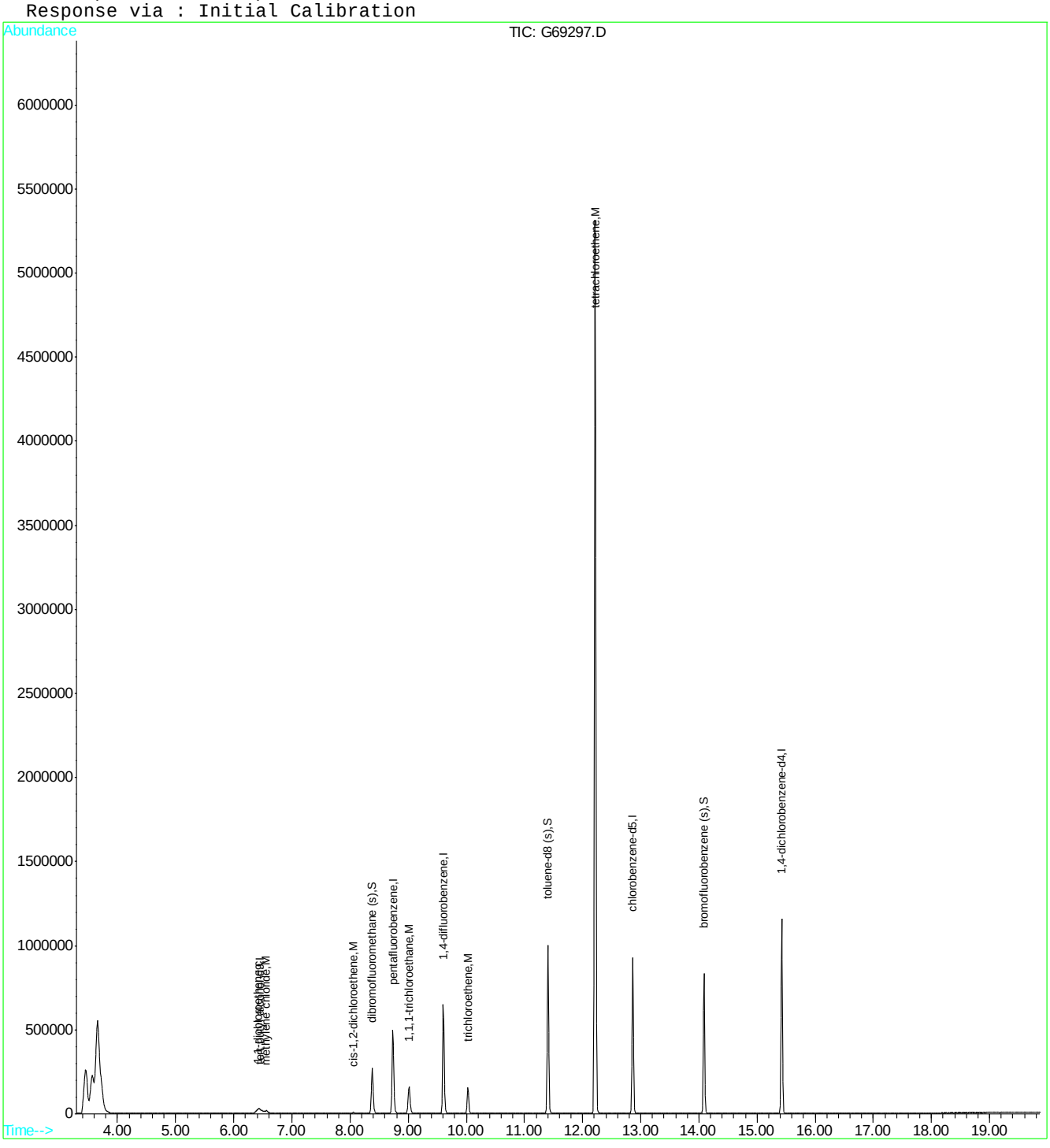
| Target Compounds | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 15) 1,1-dichloroethene | 6.42 | 96 | 3746 | 1.04 | ppb | 82 |
| 18) methylene chloride | 6.56 | 84 | 7609 | 1.15 | ppb | 91 |
| 36) cis-1,2-dichloroethene | 8.06 | 96 | 3295 | 0.72 | ppb | 80 |
| 42) 1,1,1-trichloroethane | 9.02 | 97 | 126143 | 22.04 | ppb | 99 |
| 51) trichloroethene | 10.03 | 95 | 51729 | 13.24 | ppb | 95 |
| 67) tetrachloroethene | 12.22 | 166 | 1768360 | 362.83 | ppb | 98 |

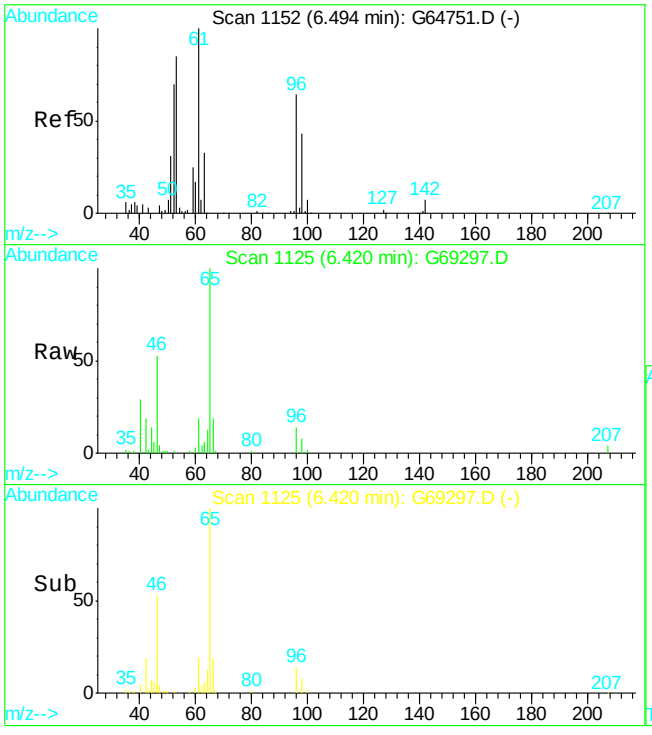
(#) = qualifier out of range (m) = manual integration

# Quantitation Report

Data File : C:\HPCHEM\1\DATA\G69297.D  Vial: 6
Acq On : 30 Apr 2007 6:02 pm  Operator: kimt
Sample : M64162-24  Inst : 5973 G
Misc : MS13464,MSG2785,,,,5,2  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 19:08 2007  Quant Results File: G042507W.RES

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration

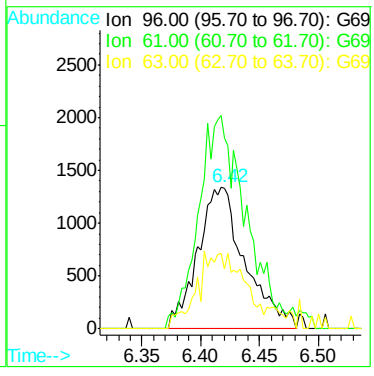


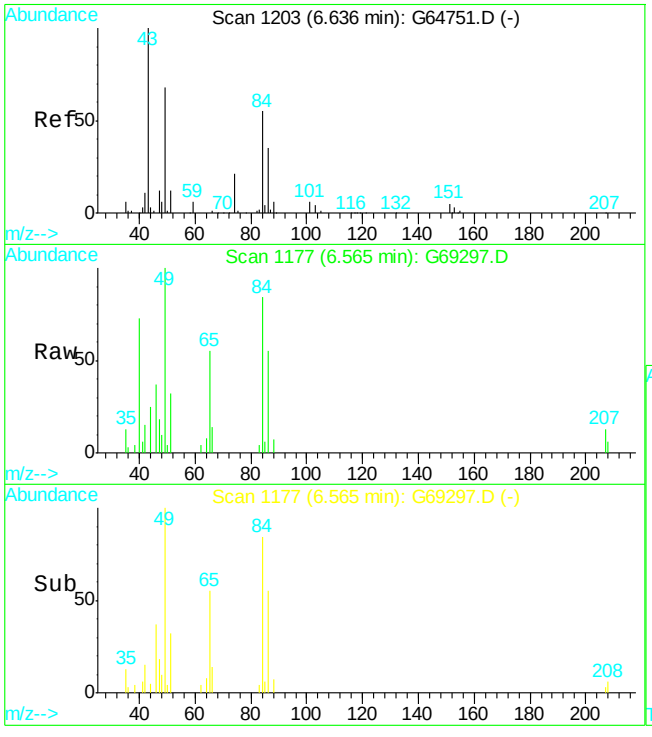



#15
1,1-dichloroethene
Concen: 1.04 ppb
RT: 6.42 min Scan# 1125
Delta R.T. 0.00 min
Lab File: G69297.D
Acq: 30 Apr 2007 6:02 pm

Tgt Ion: 96 Resp: 3746

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 135.4 | 130.9 | 190.9 |
| 63 | 42.4 | 20.9 | 80.9 |

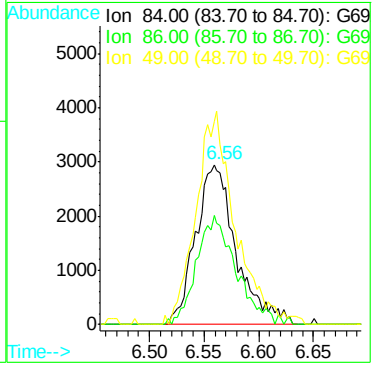


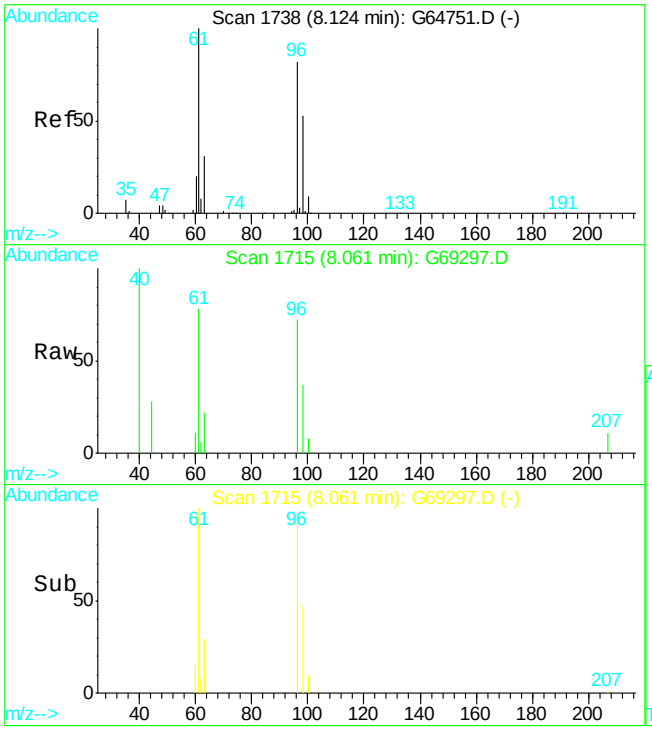




#18
methylene chloride
Concen: 1.15 ppb
RT: 6.56 min Scan# 1177
Delta R.T. 0.00 min
Lab File: G69297.D
Acq: 30 Apr 2007 6:02 pm

Tgt Ion: 84 Resp: 7609

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 65.1 | 35.6 | 95.6 |
| 49 | 112.8 | 98.2 | 158.2 |

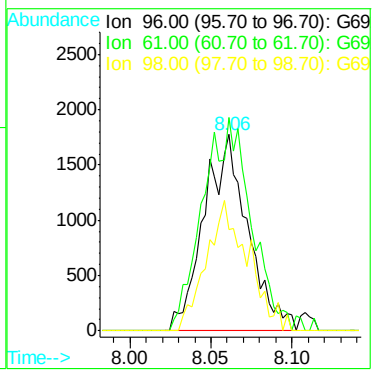


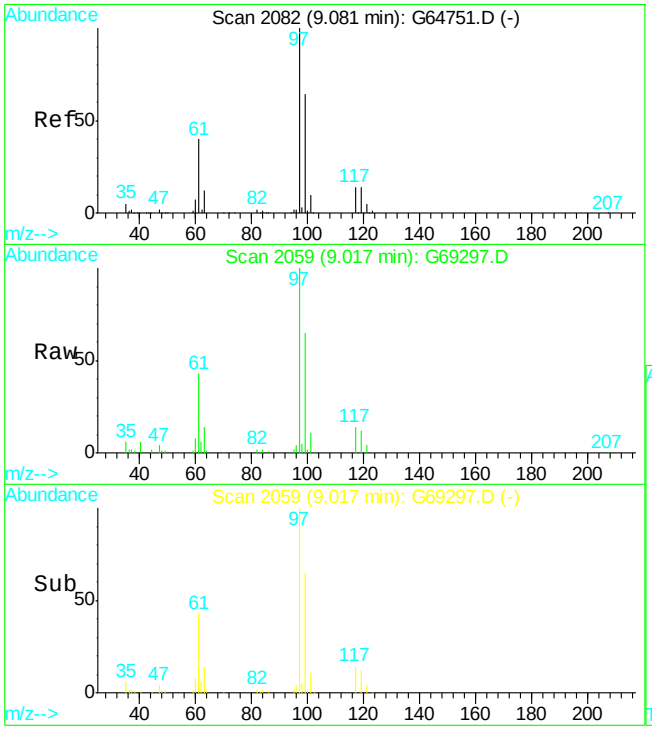



#36
cis-1,2-dichloroethene
Concen: 0.72 ppb
RT: 8.06 min Scan# 1715
Delta R.T. 0.00 min
Lab File: G69297.D
Acq: 30 Apr 2007 6:02 pm

Tgt Ion: 96 Resp: 3295

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 108.7 | 103.3 | 163.3 |
| 98 | 51.6 | 35.4 | 95.4 |

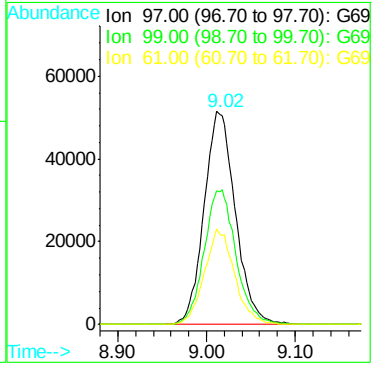


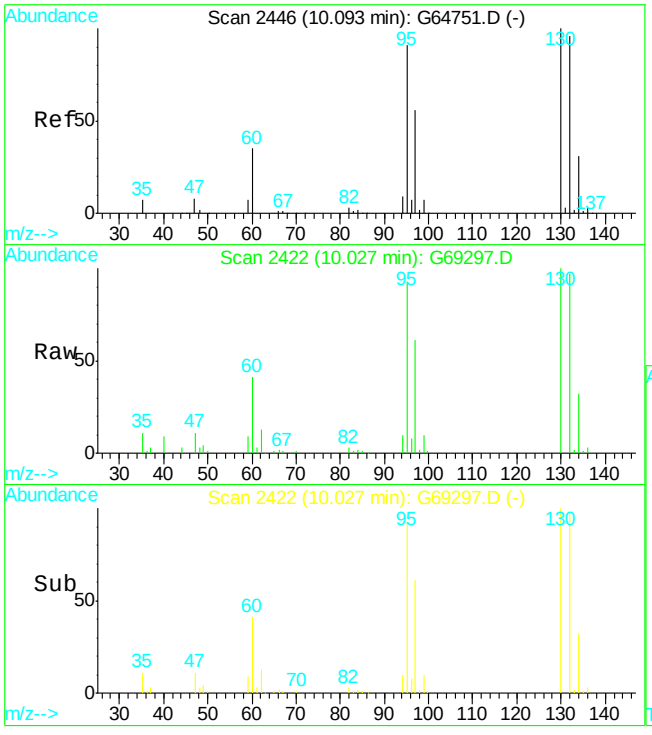




#42
1,1,1-trichloroethane
Concen: 22.04 ppb
RT: 9.02 min Scan# 2059
Delta R.T. 0.00 min
Lab File: G69297.D
Acq: 30 Apr 2007 6:02 pm

Tgt Ion: 97 Resp: 126143

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.4 | 33.7 | 93.7 |
| 61 | 42.9 | 14.3 | 74.3 |

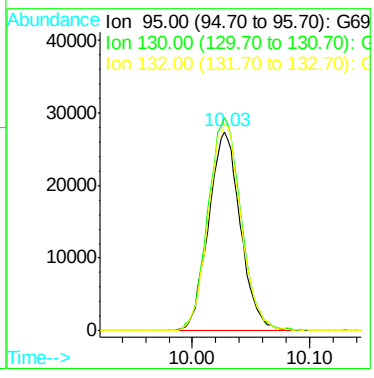


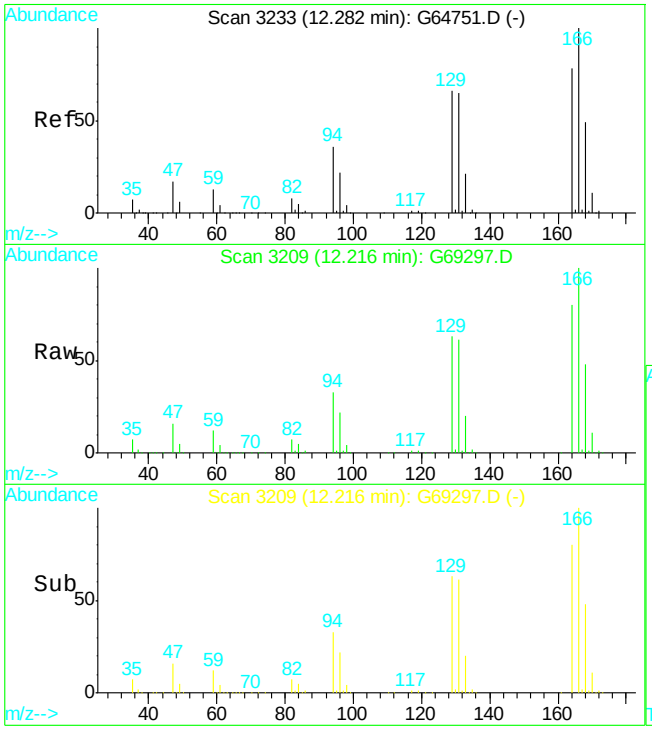



#51
trichloroethene
Concen: 13.24 ppb
RT: 10.03 min Scan# 2422
Delta R.T. 0.00 min
Lab File: G69297.D
Acq: 30 Apr 2007 6:02 pm

Tgt Ion: 95 Resp: 51729

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 130 | 107.1 | 70.8 | 130.8 |
| 132 | 103.6 | 69.6 | 129.6 |

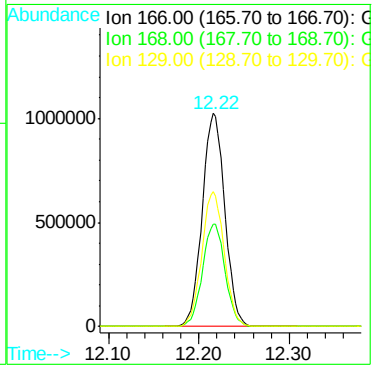



#67
tetrachloroethene
Concen: 362.83 ppb
RT: 12.22 min Scan# 3209
Delta R.T. 0.00 min
Lab File: G69297.D
Acq: 30 Apr 2007 6:02 pm

Tgt Ion:166 Resp: 1768360

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 168 | 47.8 | 19.5 | 79.5 |
| 129 | 63.1 | 34.6 | 94.6 |



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p17207.D
Acq On : 26 Apr 2007 2:58 pm
Operator : amym
Sample : m64162-25
Misc : ms13438,msp589,,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 27 10:58:36 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 25 09:57:54 2007
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 6.608 | 65 | 80574 | 500.00 | ug/L | 0.02 |
| 3) pentafluorobenzene | 9.003 | 168 | 120369 | 50.00 | ug/L | 0.00 |
| 42) 1,4-difluorobenzene | 9.875 | 114 | 203765 | 50.00 | ug/L | 0.00 |
| 65) chlorobenzene-d5 | 13.131 | 82 | 134153 | 50.00 | ug/L | 0.00 |
| 79) 1,4-dichlorobenzene-d4 | 15.692 | 152 | 101266 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 39) dibromofluoromethane (s) | 8.648 | 113 | 77290 | 56.08 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 85 - 129 | | Recovery = 112.16% | | | |
| 59) toluene-d8 (s) | 11.672 | 98 | 258974 | 50.32 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 100.64% | | | |
| 81) bromofluorobenzene (s) | 14.357 | 95 | 118330 | 48.04 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 119 | | Recovery = 96.08% | | | |

| Target Compounds | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 7) vinyl chloride | 4.737 | 62 | 1554 | 0.83 | ug/L # | 3 |
| 15) 1,1-dichloroethene | 6.651 | 96 | 111185 | 91.29 | ug/L # | 34 |
| 19) methyl tert butyl ether | 7.589 | 73 | 9023 | 2.43 | ug/L | 73 |
| 32) 1,1-dichloroethane | 7.750 | 63 | 74896 | 24.53 | ug/L | 92 |
| 36) cis-1,2-dichloroethene | 8.322 | 96 | 62443 | 39.84 | ug/L # | 55 |
| 38) chloroform | 8.523 | 83 | 3257 | 1.08 | ug/L | 85 |
| 41) 1,1,1-trichloroethane | 9.276 | 97 | 1346156 | 620.85 | ug/L | 89 |
| 46) benzene | 9.675 | 78 | 1229 | 0.21 | ug/L | 79 |
| 50) trichloroethene | 10.295 | 95 | 976441 | 591.39 | ug/L # | 65 |
| 66) tetrachloroethene | 12.502 | 166 | 24719325 | 17710.69 | ug/L | 95 |

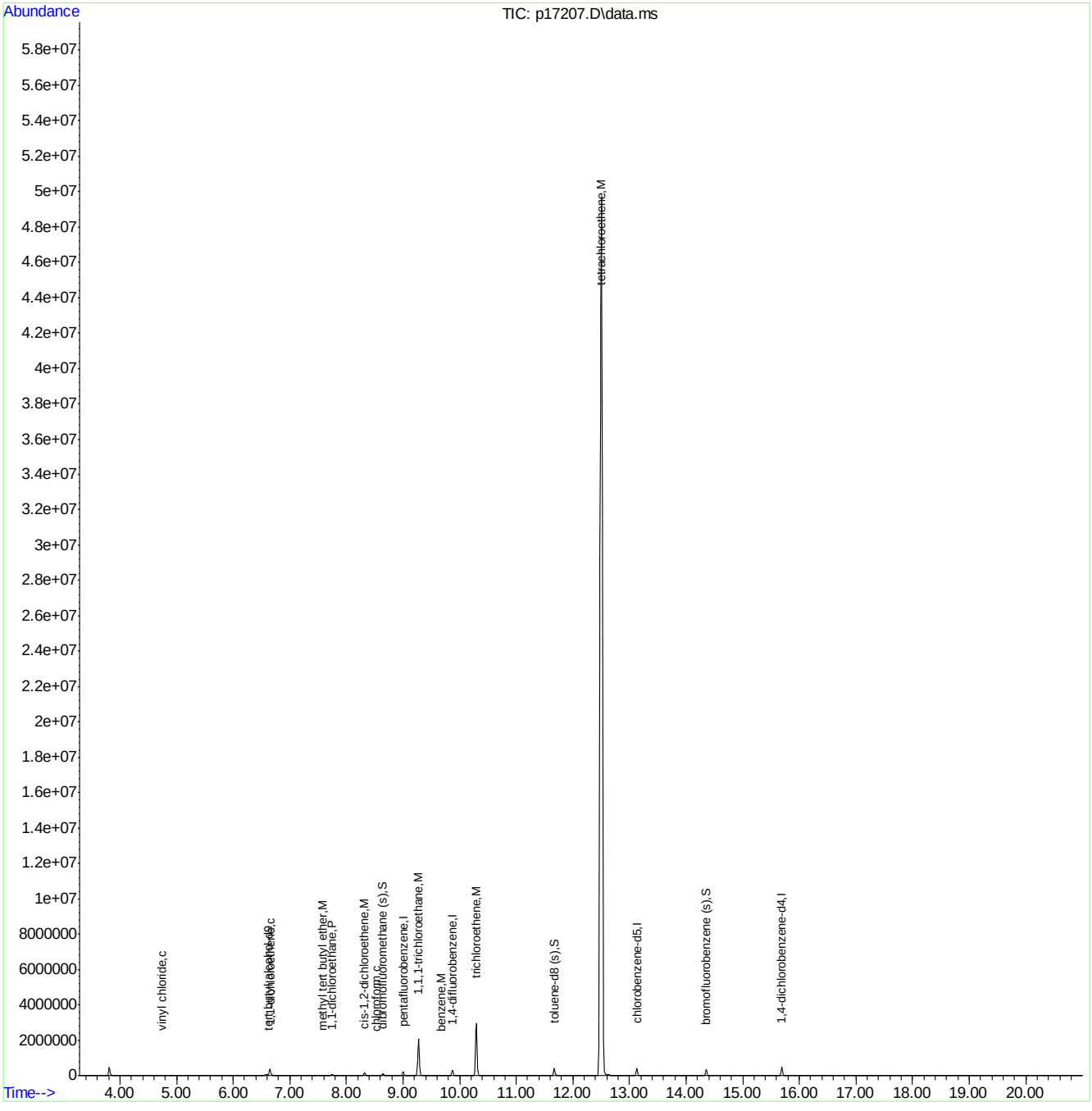
(#) = qualifier out of range (m) = manual integration (+) = signals summed

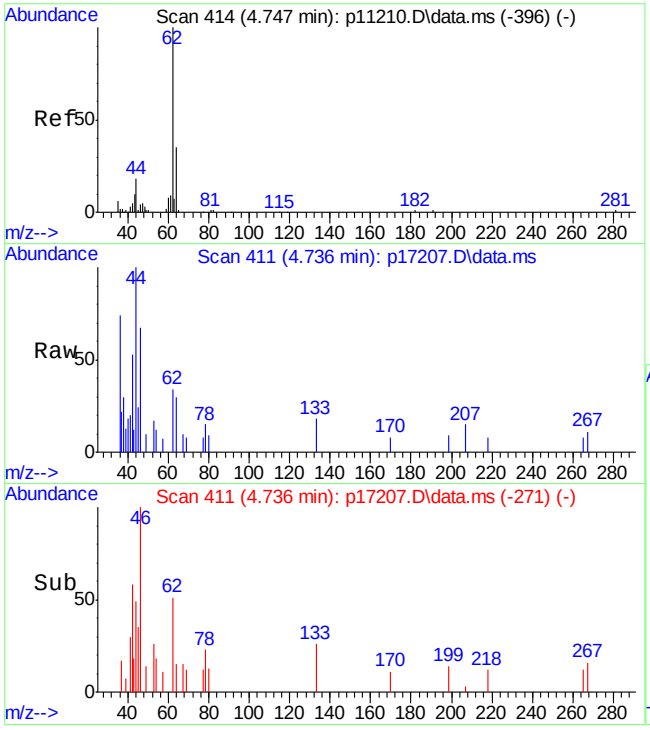
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p17207.D
Acq On : 26 Apr 2007 2:58 pm
Operator : amym
Sample : m64162-25
Misc : ms13438,msp589,,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 27 10:58:36 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 25 09:57:54 2007
Response via : Initial Calibration



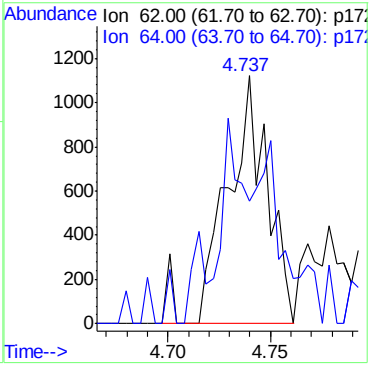


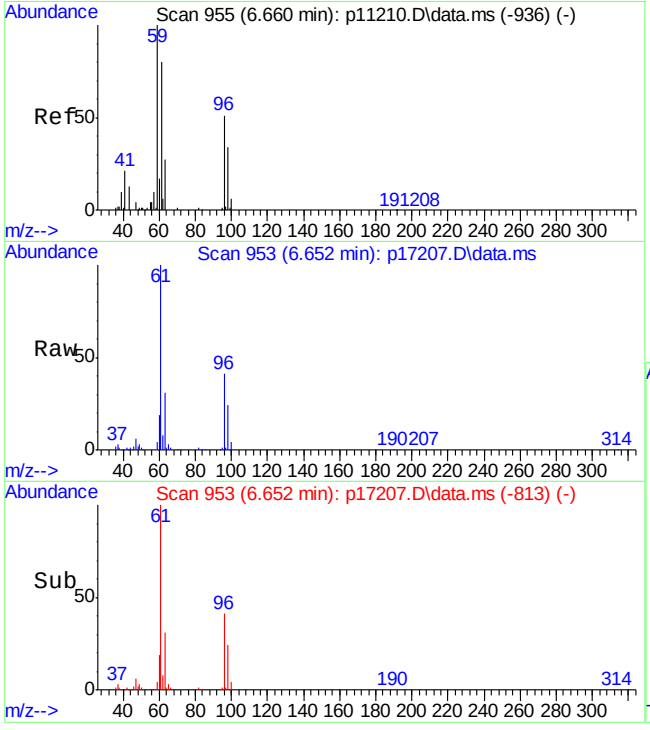



#7
vinyl chloride
Concen: 0.83 ug/L
RT: 4.737 min Scan# 411
Delta R.T. -0.004 min
Lab File: p17207.D
Acq: 26 Apr 2007 2:58 pm

Tgt Ion: 62 Resp: 1554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 87.2 | 2.7 | 62.7# |

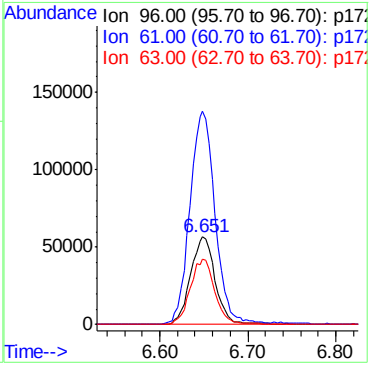


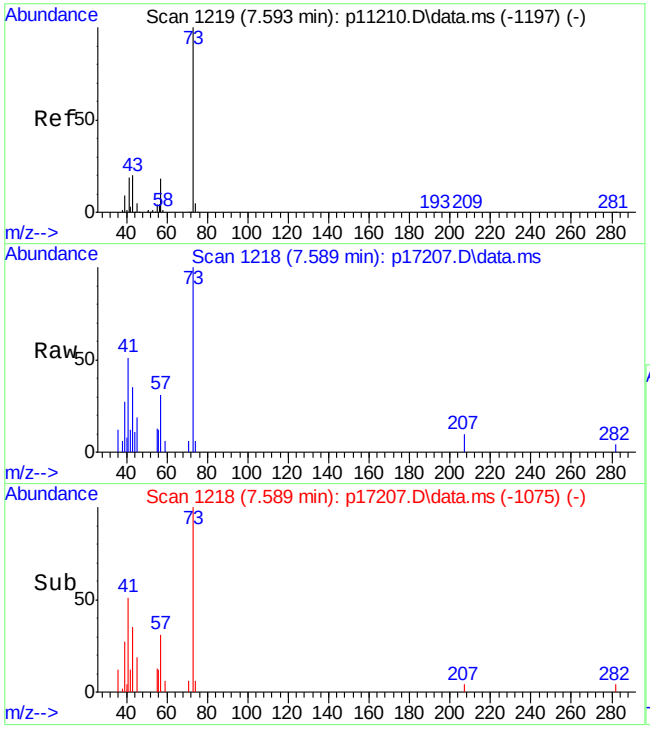




#15
1,1-dichloroethene
Concen: 91.29 ug/L
RT: 6.651 min Scan# 953
Delta R.T. -0.005 min
Lab File: p17207.D
Acq: 26 Apr 2007 2:58 pm

Tgt Ion: 96 Resp: 111185

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 240.8 | 116.4 | 176.4# |
| 63 | 74.8 | 19.0 | 79.0 |

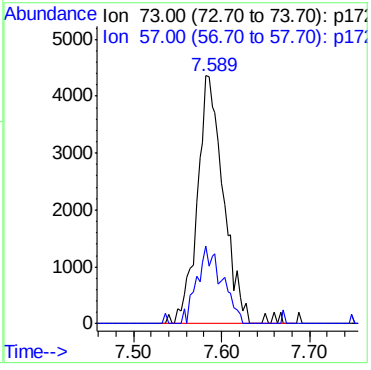


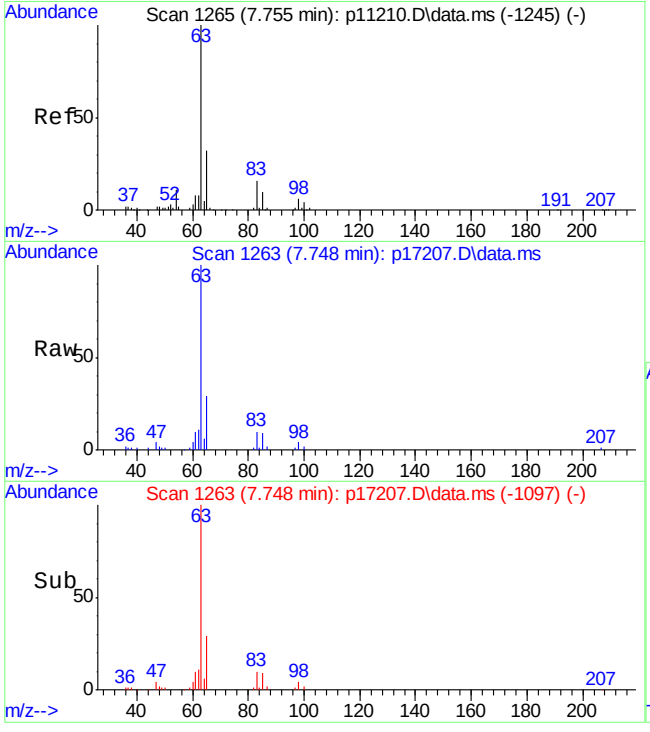



#19
methyl tert butyl ether
Concen: 2.43 ug/L
RT: 7.589 min Scan# 1218
Delta R.T. 0.004 min
Lab File: p17207.D
Acq: 26 Apr 2007 2:58 pm

Tgt Ion: 73 Resp: 9023

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 31.4 | 0.0 | 49.3 |

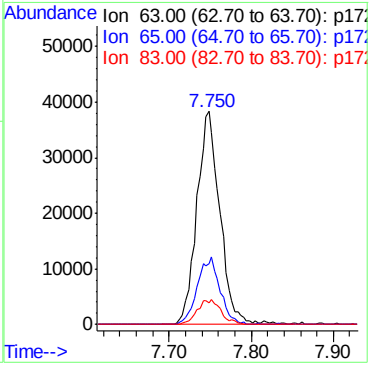


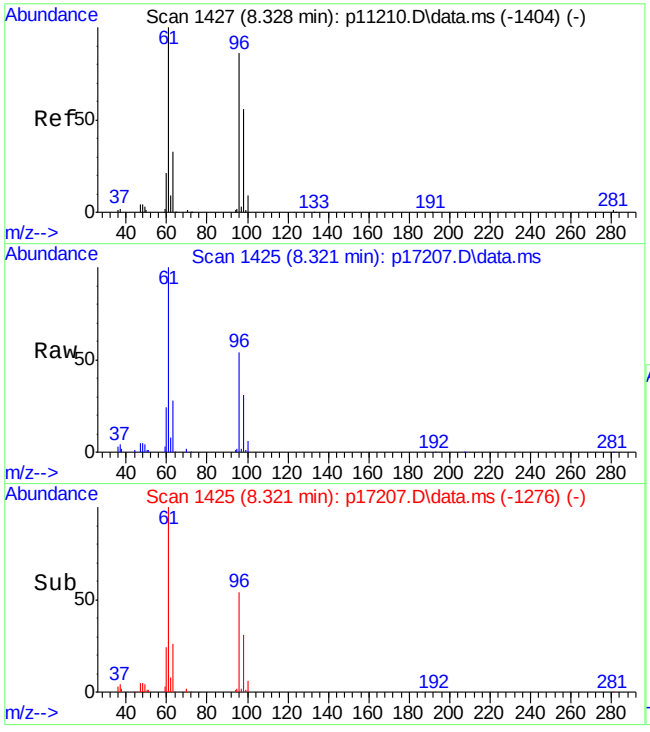




#32
1,1-dichloroethane
Concen: 24.53 ug/L
RT: 7.750 min Scan# 1263
Delta R.T. -0.002 min
Lab File: p17207.D
Acq: 26 Apr 2007 2:58 pm

Tgt Ion: 63 Resp: 74896

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 28.6 | 1.9 | 61.9 |
| 83 | 10.1 | 0.0 | 44.9 |

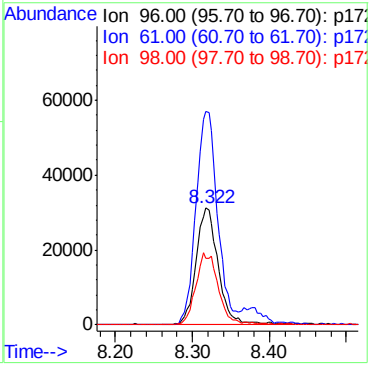


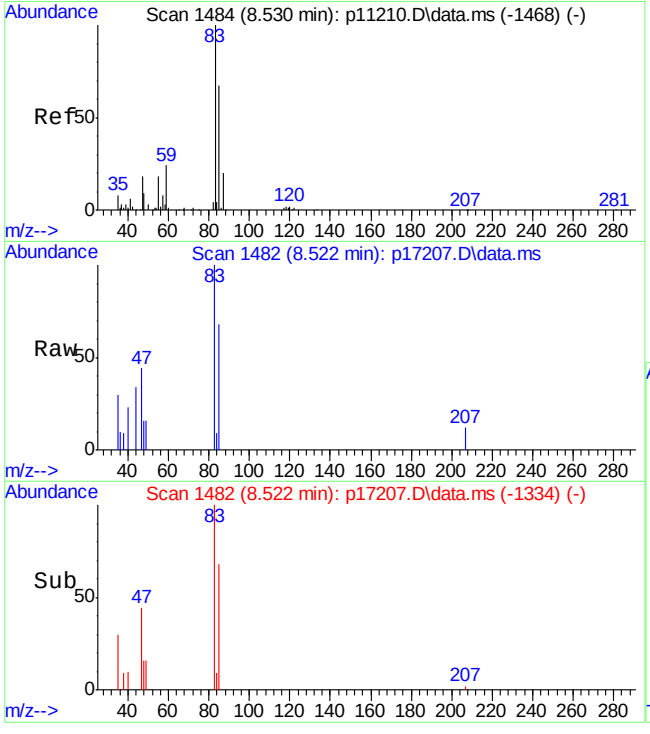



#36
cis-1,2-dichloroethene
Concen: 39.84 ug/L
RT: 8.322 min Scan# 1425
Delta R.T. -0.002 min
Lab File: p17207.D
Acq: 26 Apr 2007 2:58 pm

Tgt Ion: 96 Resp: 62443

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 184.5 | 83.9 | 143.9# |
| 98 | 57.5 | 35.0 | 95.0 |

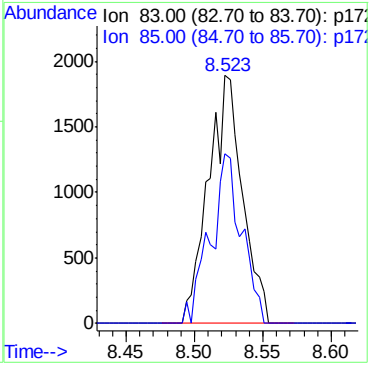


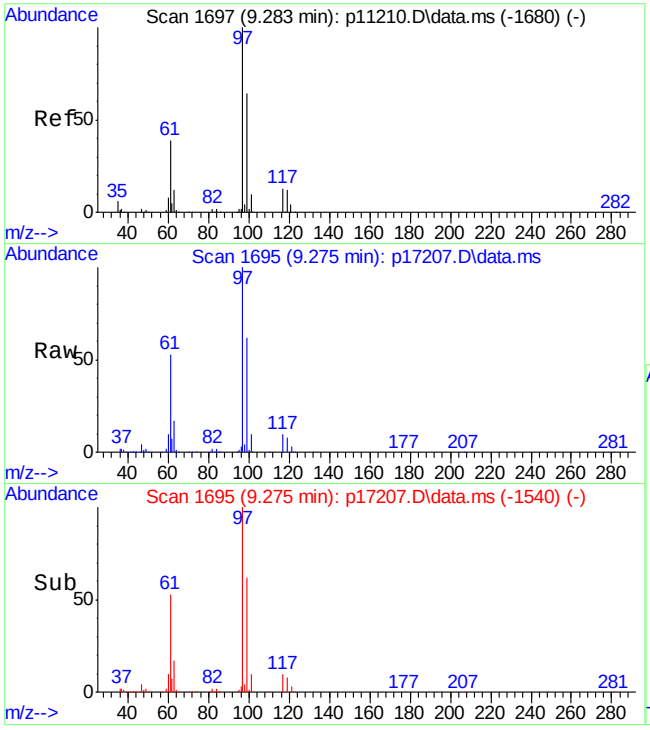




#38
chloroform
Concen: 1.08 ug/L
RT: 8.523 min Scan# 1482
Delta R.T. -0.006 min
Lab File: p17207.D
Acq: 26 Apr 2007 2:58 pm

Tgt Ion: 83 Resp: 3257

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.7 | 45.2 | 105.2 |

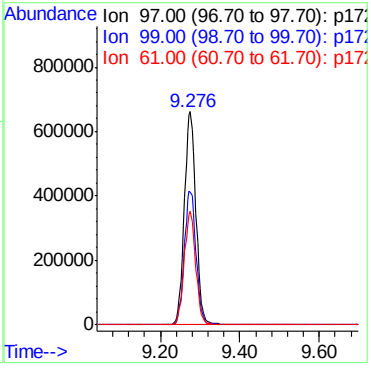


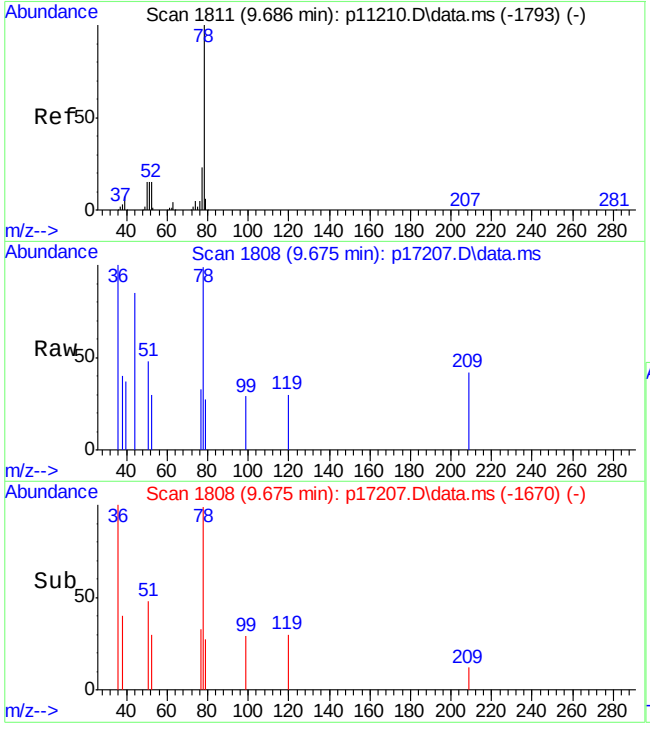



#41
1,1,1-trichloroethane
Concen: 620.85 ug/L
RT: 9.276 min Scan# 1695
Delta R.T. 0.000 min
Lab File: p17207.D
Acq: 26 Apr 2007 2:58 pm

Tgt Ion: 97 Resp: 1346156

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 62.4 | 33.8 | 93.8 |
| 61 | 53.3 | 8.0 | 68.0 |

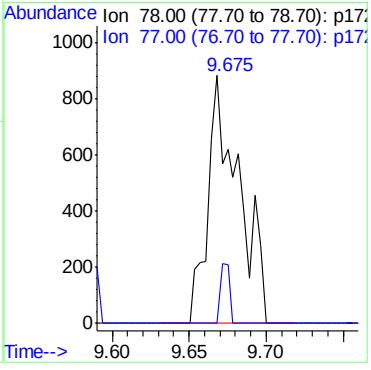


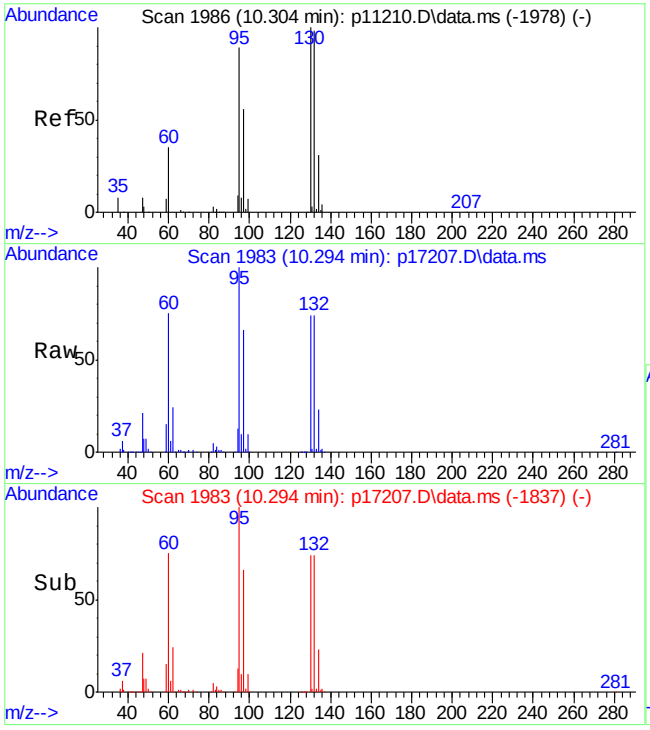




#46
benzene
Concen: 0.21 ug/L
RT: 9.675 min Scan# 1808
Delta R.T. -0.002 min
Lab File: p17207.D
Acq: 26 Apr 2007 2:58 pm

Tgt Ion: 78 Resp: 1229

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 33.4 | 0.0 | 53.0 |

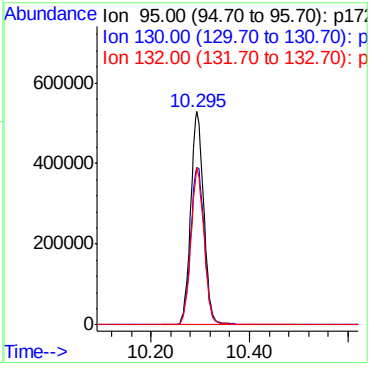


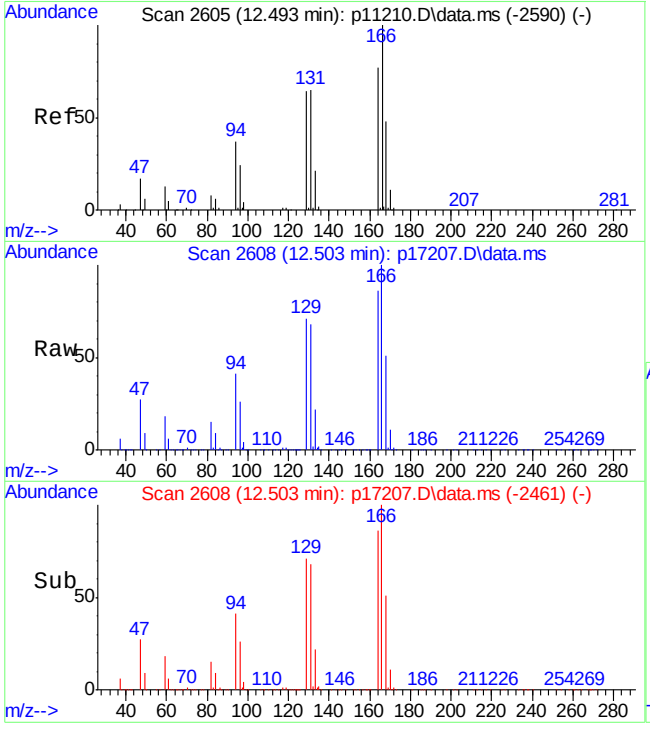



#50
trichloroethene
Concen: 591.39 ug/L
RT: 10.295 min Scan# 1983
Delta R.T. -0.001 min
Lab File: p17207.D
Acq: 26 Apr 2007 2:58 pm

Tgt Ion: 95 Resp: 976441

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 130 | 73.8 | 81.4 | 141.4# |
| 132 | 74.0 | 80.8 | 140.8# |

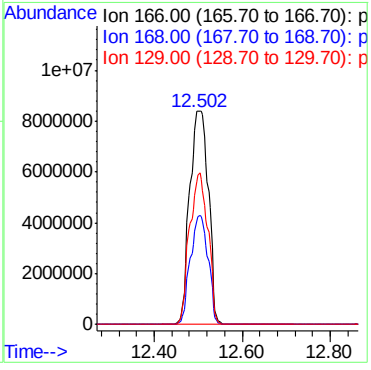



#66
tetrachloroethene
Concen: 17710.69 ug/L
RT: 12.502 min Scan# 2608
Delta R.T. 0.018 min
Lab File: p17207.D
Acq: 26 Apr 2007 2:58 pm

Tgt Ion:166 Resp:24719325

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 168 | 51.2 | 17.7 | 77.7 |
| 129 | 71.1 | 36.7 | 96.7 |



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p17211.D
Acq On : 26 Apr 2007 4:55 pm
Operator : amym
Sample : m64162-25,1:100
Misc : ms13438,msp589,,,,5,100
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Apr 27 11:09:42 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 25 09:57:54 2007
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 6.620 | 65 | 85154 | 500.00 | ug/L | 0.03 |
| 3) pentafluorobenzene | 9.003 | 168 | 108673 | 50.00 | ug/L | 0.00 |
| 42) 1,4-difluorobenzene | 9.875 | 114 | 177130 | 50.00 | ug/L | 0.00 |
| 65) chlorobenzene-d5 | 13.131 | 82 | 119002 | 50.00 | ug/L | 0.00 |
| 79) 1,4-dichlorobenzene-d4 | 15.692 | 152 | 86677 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 39) dibromofluoromethane (s) | 8.645 | 113 | 66130 | 53.14 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 85 - 129 | | Recovery = 106.28% | | | |
| 59) toluene-d8 (s) | 11.673 | 98 | 234056 | 52.31 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 104.62% | | | |
| 81) bromofluorobenzene (s) | 14.358 | 95 | 103817 | 49.24 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 119 | | Recovery = 98.48% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 15) 1,1-dichloroethene | 6.648 | 96 | 3772 | 1.91 | ug/L # | 75 |
| 50) trichloroethene | 10.295 | 95 | 14787 | 10.30 | ug/L | 82 |
| 66) tetrachloroethene | 12.483 | 166 | 421536 | 340.47 | ug/L | 88 |

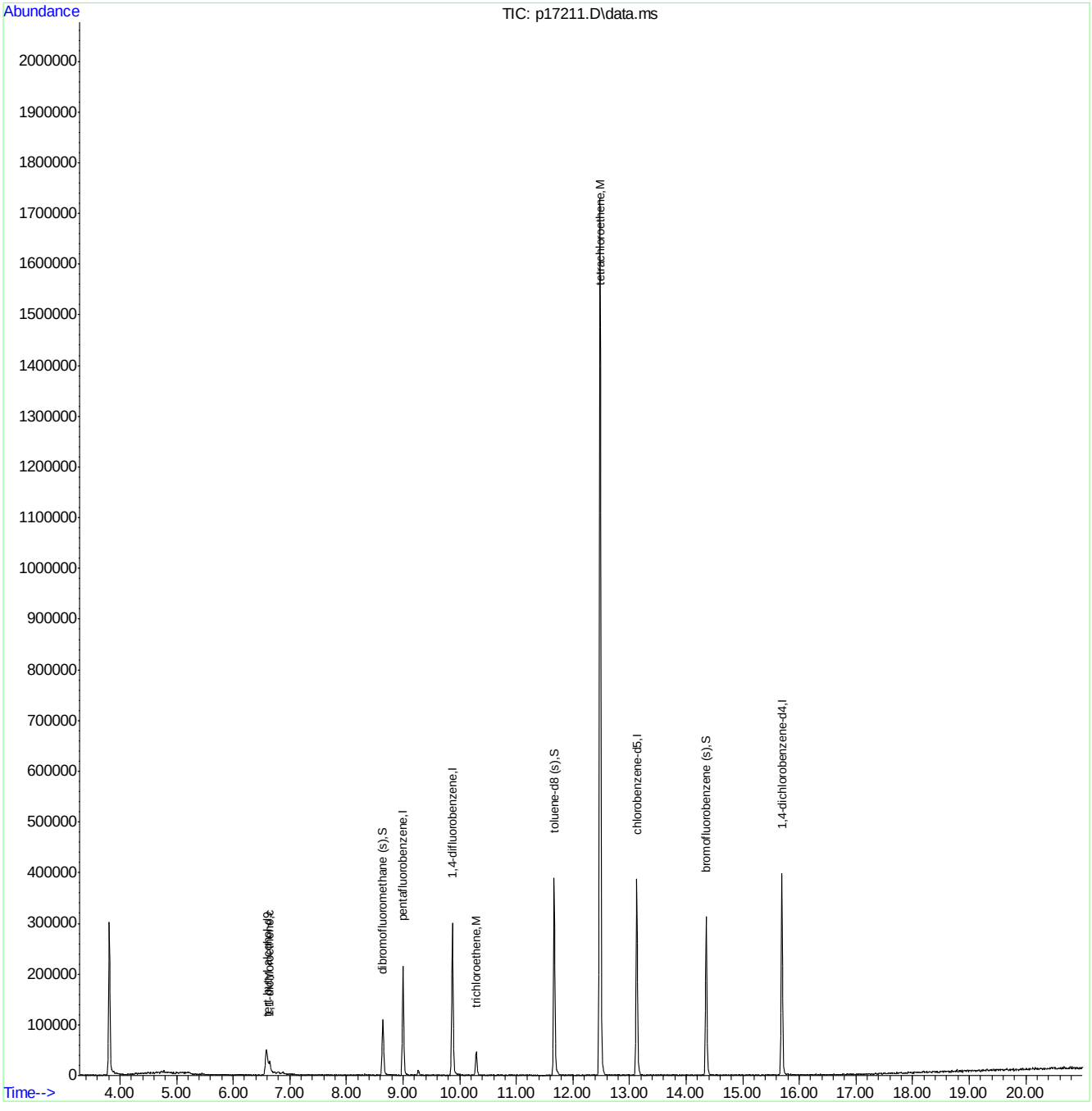
(#) = qualifier out of range (m) = manual integration (+) = signals summed

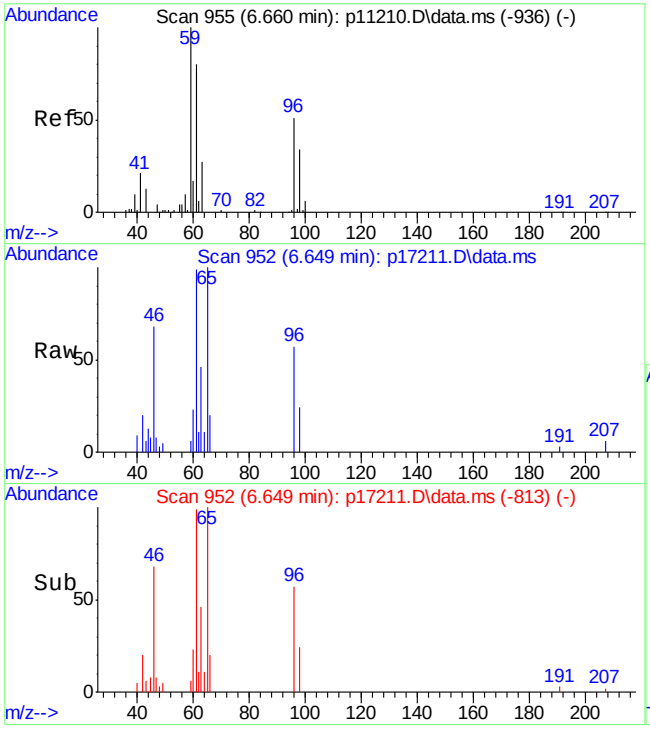
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p17211.D
Acq On : 26 Apr 2007 4:55 pm
Operator : amym
Sample : m64162-25,1:100
Misc : ms13438,msp589,,,,5,100
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Apr 27 11:09:42 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 25 09:57:54 2007
Response via : Initial Calibration



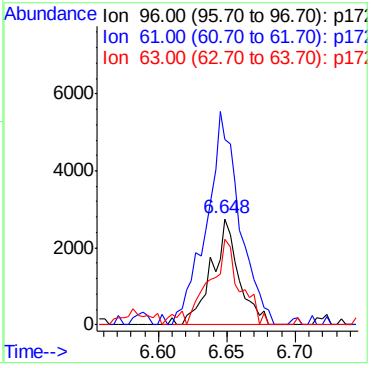


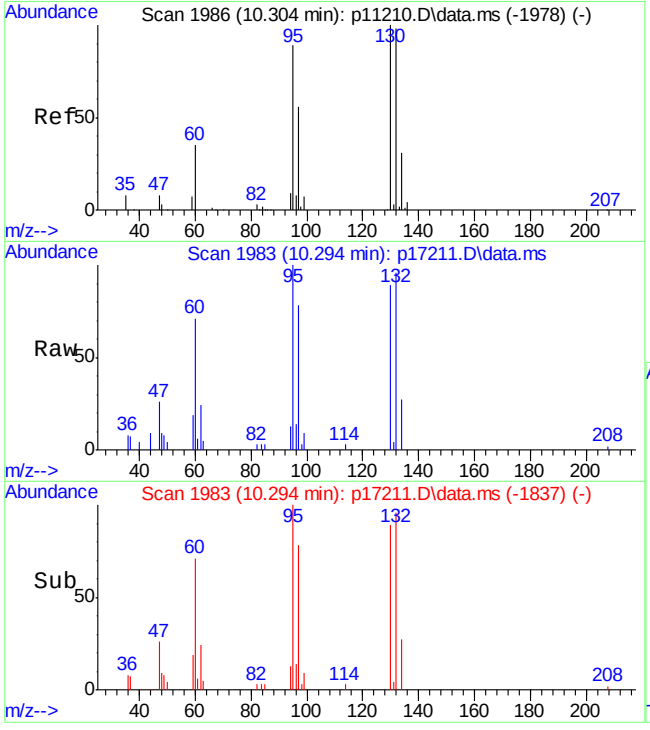



#15
1,1-dichloroethene
Concen: 1.91 ug/L
RT: 6.648 min Scan# 952
Delta R.T. -0.008 min
Lab File: p17211.D
Acq: 26 Apr 2007 4:55 pm

Tgt Ion: 96 Resp: 3772

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 169.0 | 116.4 | 176.4 |
| 63 | 80.4 | 19.0 | 79.0# |

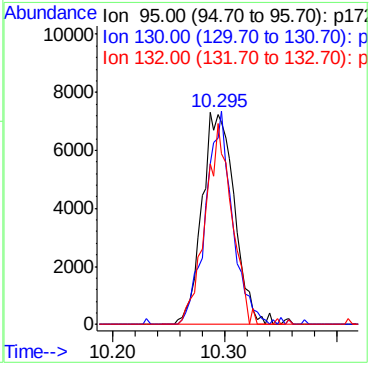


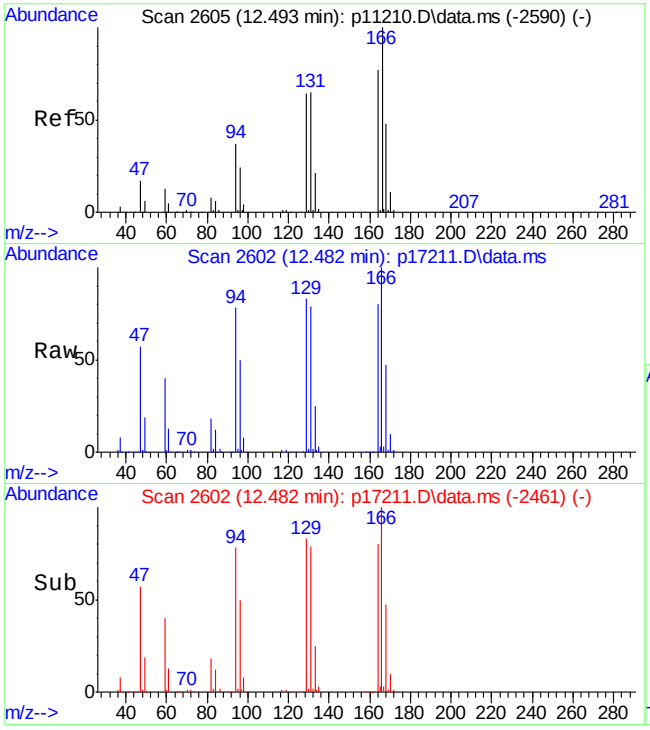




#50
trichloroethene
Concen: 10.30 ug/L
RT: 10.295 min Scan# 1983
Delta R.T. -0.001 min
Lab File: p17211.D
Acq: 26 Apr 2007 4:55 pm

Tgt Ion: 95 Resp: 14787

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 130 | 88.7 | 81.4 | 141.4 |
| 132 | 95.7 | 80.8 | 140.8 |

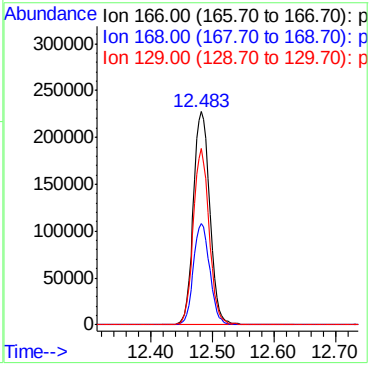





#66
tetrachloroethene
Concen: 340.47 ug/L
RT: 12.483 min Scan# 2602
Delta R.T. -0.001 min
Lab File: p17211.D
Acq: 26 Apr 2007 4:55 pm

Tgt Ion:166 Resp: 421536

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 168 | 47.3 | 17.7 | 77.7 |
| 129 | 82.8 | 36.7 | 96.7 |



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69292.D Vial: 1
Acq On : 30 Apr 2007 3:50 pm Operator: kimt
Sample : M64162-26 Inst : 5973 G
Misc : MS13464,MSG2785,,,,5,500 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 19:00 2007 Quant Results File: G042507W.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration
DataAcq Meth : G8260

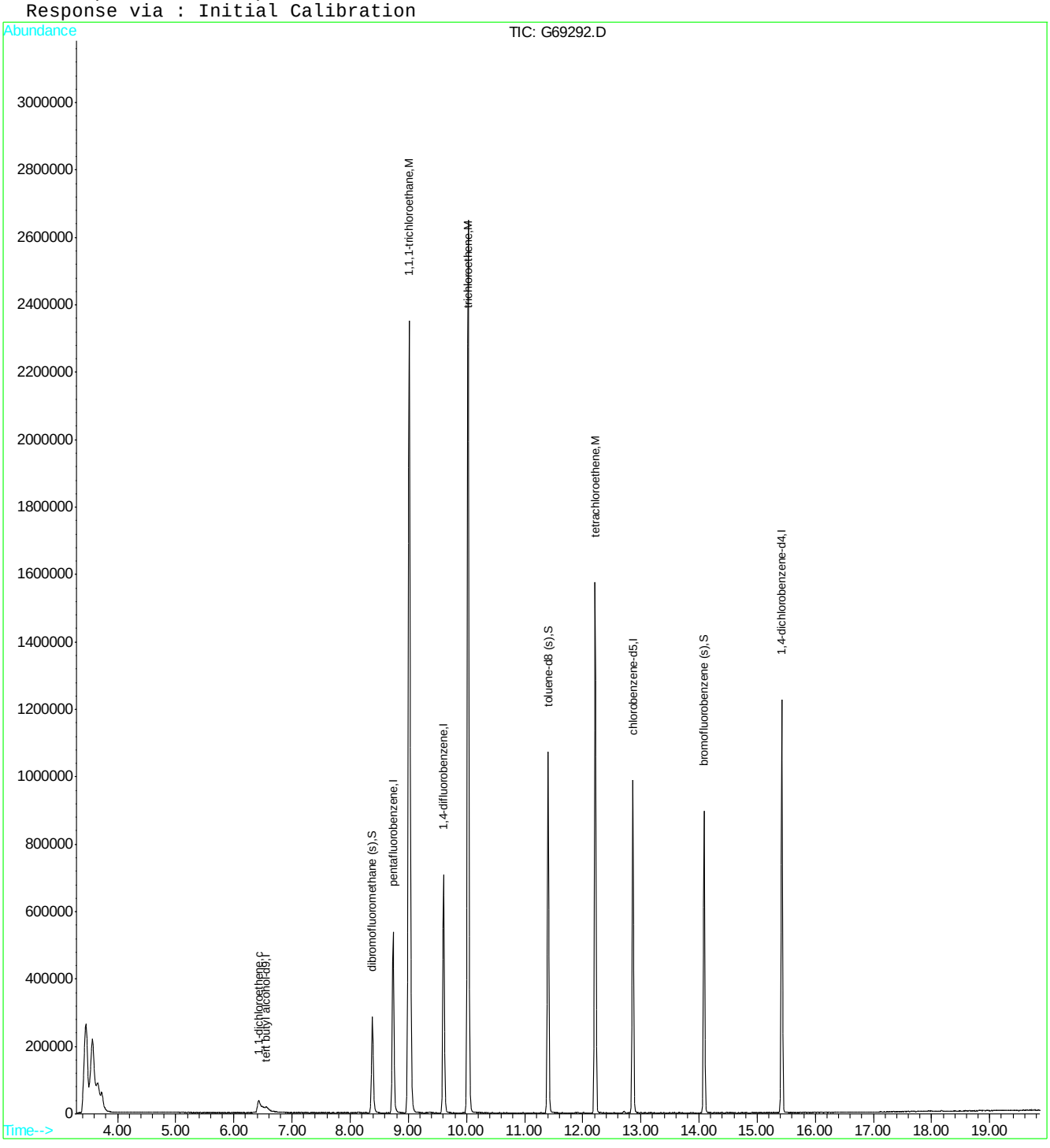
| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 6.54 | 65 | 87315 | 500.00 | ppb | 0.13 |
| 3) pentafluorobenzene | 8.74 | 168 | 447969 | 50.00 | ppb | 0.00 |
| 43) 1,4-difluorobenzene | 9.61 | 114 | 619188 | 50.00 | ppb | 0.00 |
| 66) chlorobenzene-d5 | 12.86 | 82 | 313268 | 50.00 | ppb | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 15.42 | 152 | 351335 | 50.00 | ppb | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 40) dibromofluoromethane (s) | 8.38 | 113 | 191498 | 49.38 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 83 - 127 | | Recovery = 98.76% | | | |
| 60) toluene-d8 (s) | 11.40 | 98 | 745676 | 49.52 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 89 - 112 | | Recovery = 99.04% | | | |
| 82) bromofluorobenzene (s) | 14.09 | 95 | 283713 | 49.20 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 81 - 119 | | Recovery = 98.40% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 15) 1,1-dichloroethene | 6.43 | 96 | 18319 | 4.58 | ppb | 89 |
| 42) 1,1,1-trichloroethane | 9.02 | 97 | 1909342 | 301.42 | ppb | 97 |
| 51) trichloroethene | 10.03 | 95 | 891689 | 206.84 | ppb | 90 |
| 67) tetrachloroethene | 12.22 | 166 | 524457 | 99.27 | ppb | 96 |

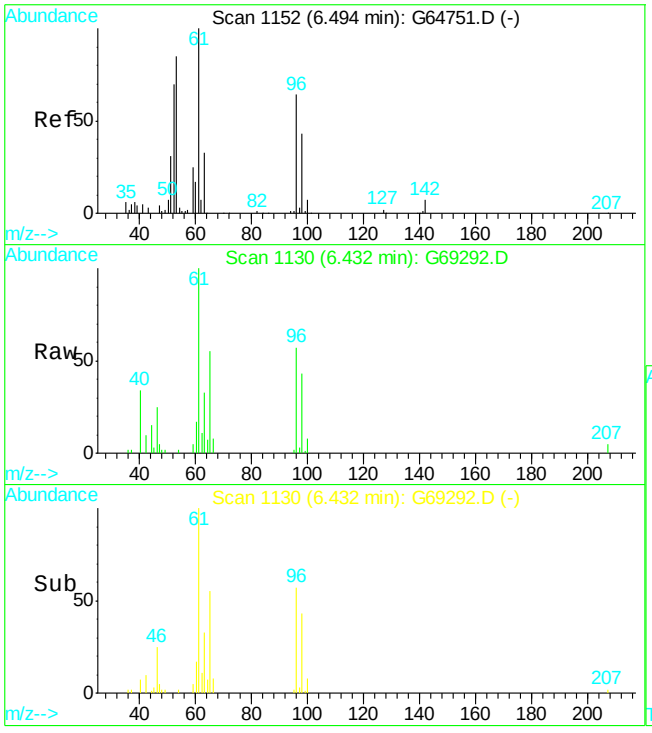
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\G69292.D  Vial: 1
Acq On : 30 Apr 2007 3:50 pm  Operator: kimt
Sample : M64162-26  Inst : 5973 G
Misc : MS13464,MSG2785,,,,5,500  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 19:00 2007  Quant Results File: G042507W.RES

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration

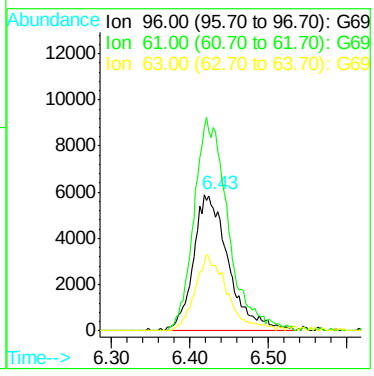


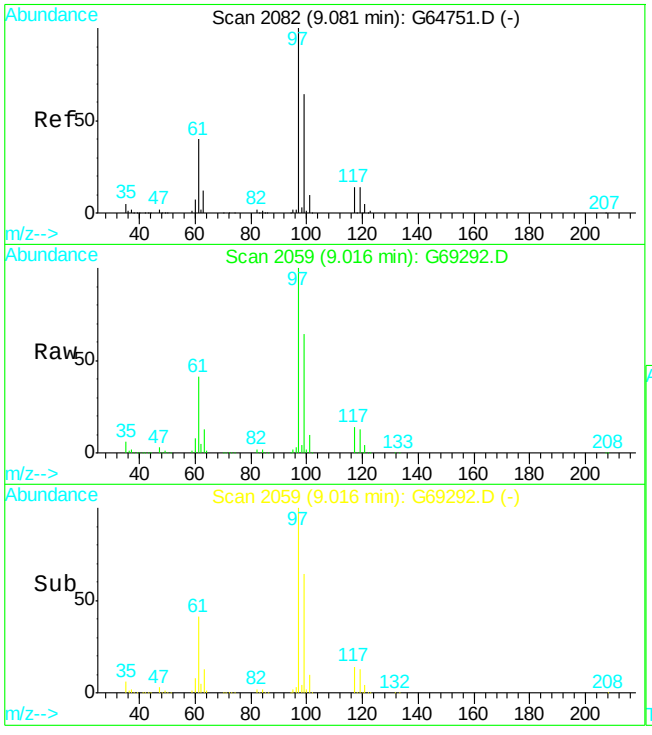



#15
1,1-dichloroethene
Concen: 4.58 ppb
RT: 6.43 min Scan# 1130
Delta R.T. 0.01 min
Lab File: G69292.D
Acq: 30 Apr 2007 3:50 pm

Tgt Ion: 96 Resp: 18319

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 175.7 | 130.9 | 190.9 |
| 63 | 57.4 | 20.9 | 80.9 |

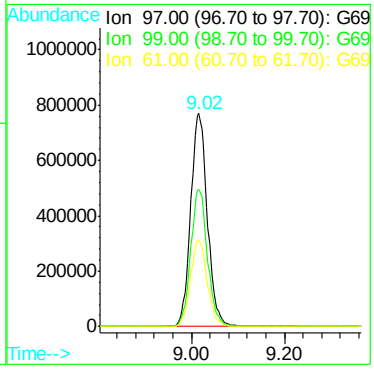


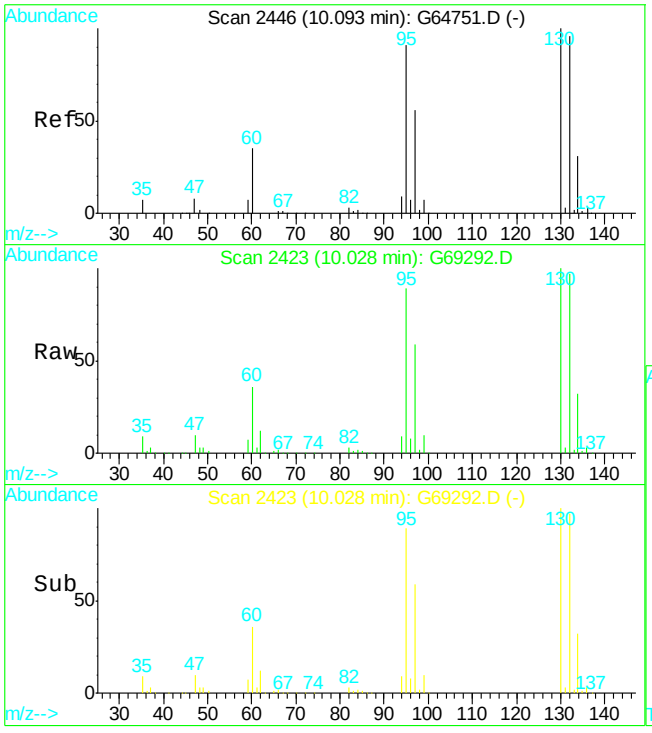




#42
1,1,1-trichloroethane
Concen: 301.42 ppb
RT: 9.02 min Scan# 2059
Delta R.T. 0.00 min
Lab File: G69292.D
Acq: 30 Apr 2007 3:50 pm

Tgt Ion: 97 Resp: 1909342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.4 | 33.7 | 93.7 |
| 61 | 40.6 | 14.3 | 74.3 |

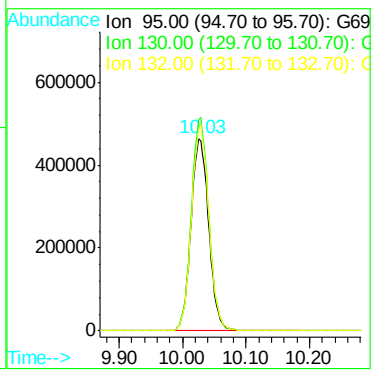


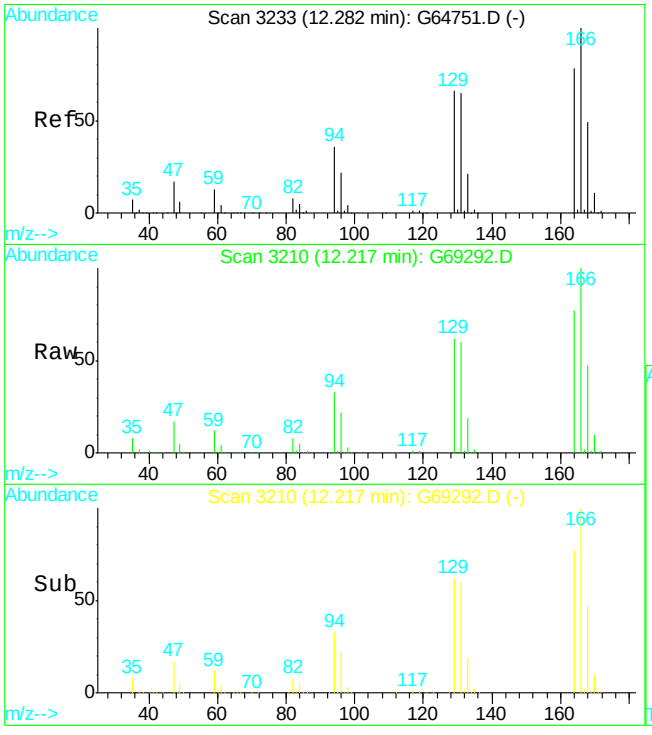



#51
trichloroethene
Concen: 206.84 ppb
RT: 10.03 min Scan# 2423
Delta R.T. 0.00 min
Lab File: G69292.D
Acq: 30 Apr 2007 3:50 pm

Tgt Ion: 95 Resp: 891689

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 130 | 112.2 | 70.8 | 130.8 |
| 132 | 109.0 | 69.6 | 129.6 |

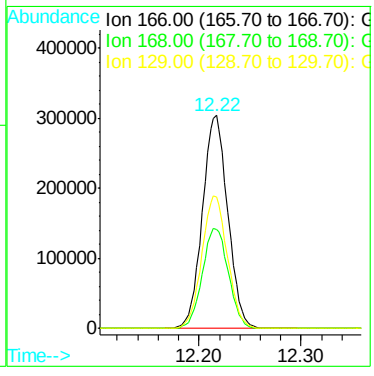



#67
tetrachloroethene
Concen: 99.27 ppb
RT: 12.22 min Scan# 3210
Delta R.T. -0.00 min
Lab File: G69292.D
Acq: 30 Apr 2007 3:50 pm

Tgt Ion:166 Resp: 524457

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 168 | 46.6 | 19.5 | 79.5 |
| 129 | 61.8 | 34.6 | 94.6 |



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69294.D Vial: 3
Acq On : 30 Apr 2007 4:42 pm Operator: kimt
Sample : M64162-27 Inst : 5973 G
Misc : MS13464,MSG2785,,,,5,25 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 19:03 2007 Quant Results File: G042507W.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration
DataAcq Meth : G8260

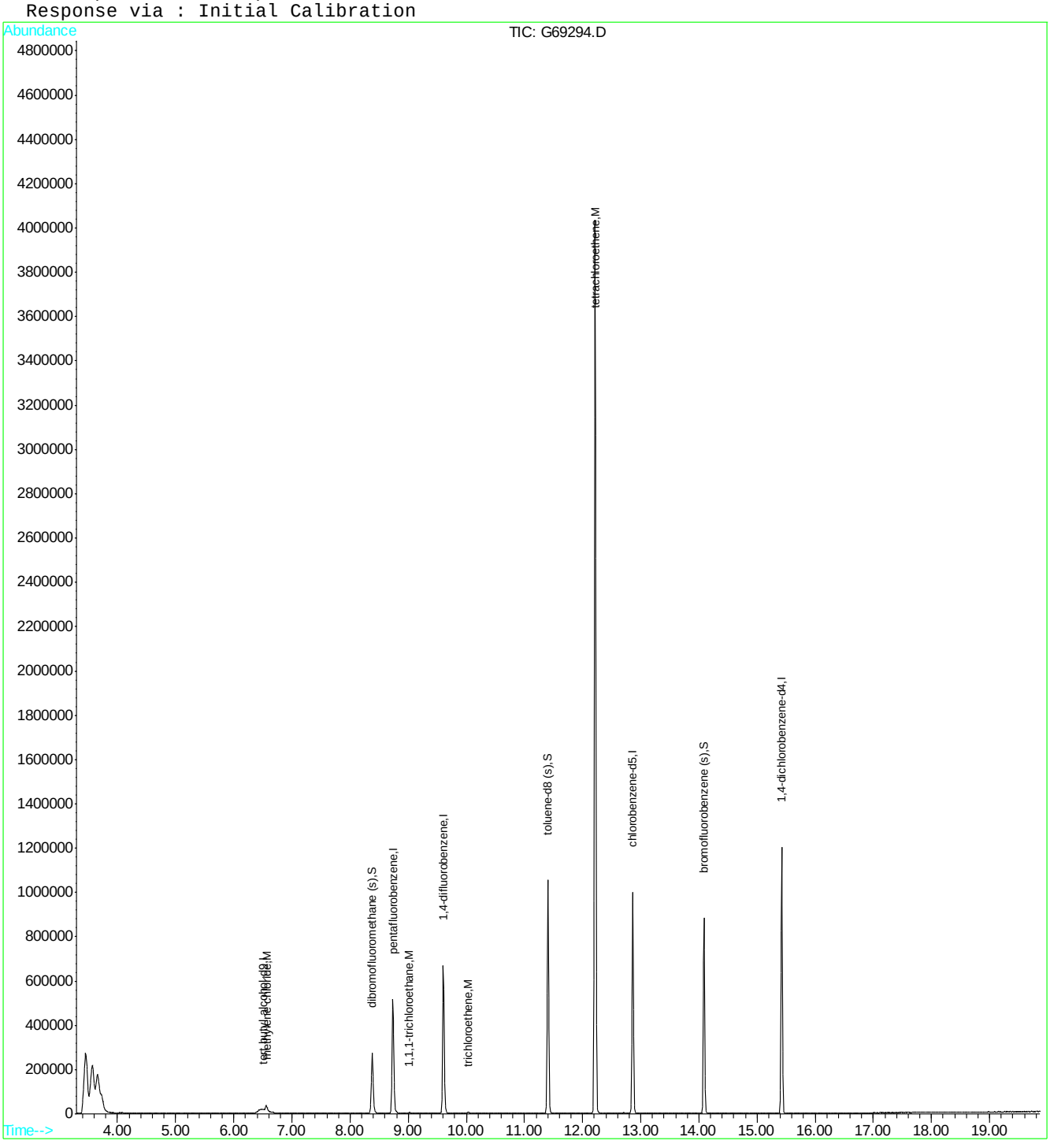
| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 6.51 | 65 | 78544 | 500.00 | ppb | 0.09 |
| 3) pentafluorobenzene | 8.74 | 168 | 427153 | 50.00 | ppb | 0.00 |
| 43) 1,4-difluorobenzene | 9.61 | 114 | 587597 | 50.00 | ppb | 0.00 |
| 66) chlorobenzene-d5 | 12.86 | 82 | 306186 | 50.00 | ppb | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 15.42 | 152 | 344221 | 50.00 | ppb | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 40) dibromofluoromethane (s) | 8.38 | 113 | 186148 | 50.34 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 83 - 127 | | Recovery = 100.68% | | | |
| 60) toluene-d8 (s) | 11.40 | 98 | 724638 | 50.71 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 89 - 112 | | Recovery = 101.42% | | | |
| 82) bromofluorobenzene (s) | 14.09 | 95 | 276752 | 48.99 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 81 - 119 | | Recovery = 97.98% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 18) methylene chloride | 6.57 | 84 | 15825 | 2.86 | ppb | 97 |
| 42) 1,1,1-trichloroethane | 9.02 | 97 | 2674 | 0.44 | ppb | 89 |
| 51) trichloroethene | 10.03 | 95 | 2255 | 0.55 | ppb | 93 |
| 67) tetrachloroethene | 12.22 | 166 | 1353157 | 262.04 | ppb | 97 |

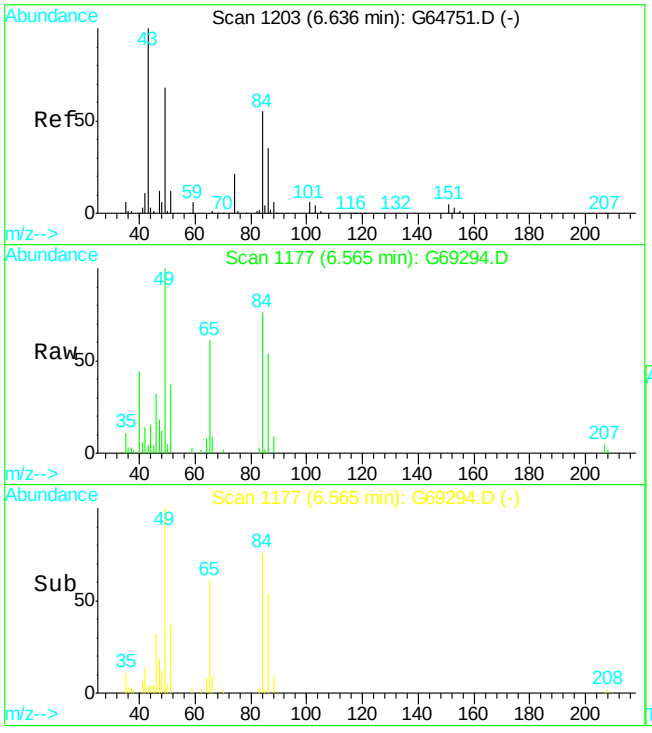
(#) = qualifier out of range (m) = manual integration

# Quantitation Report

Data File : C:\HPCHEM\1\DATA\G69294.D  Vial: 3
Acq On : 30 Apr 2007 4:42 pm  Operator: kimt
Sample : M64162-27  Inst : 5973 G
Misc : MS13464,MSG2785,,,,5,25  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 19:03 2007  Quant Results File: G042507W.RES

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration

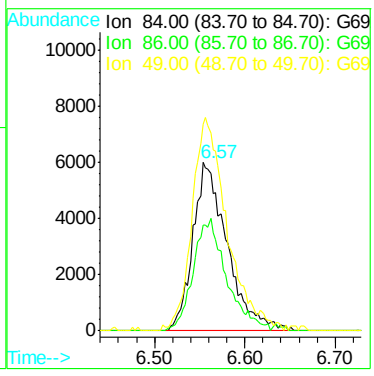


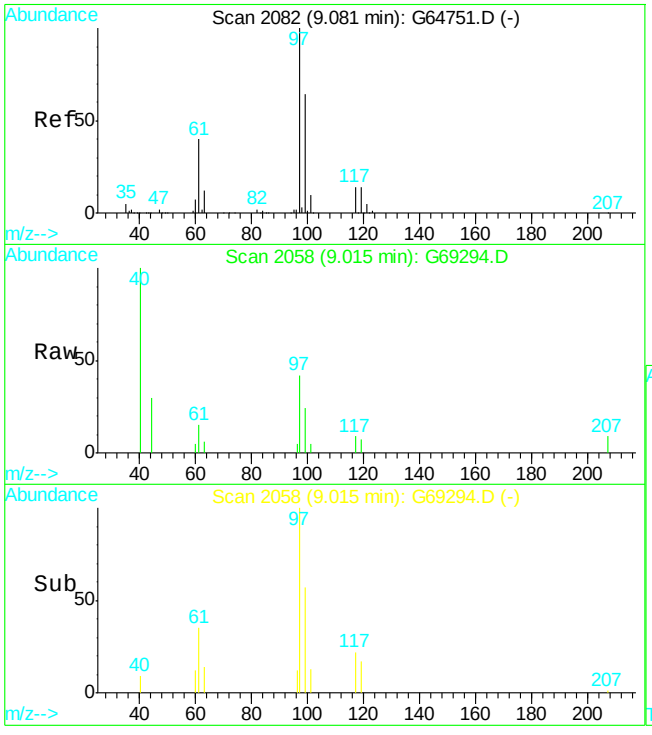



#18
methylene chloride
Concen: 2.86 ppb
RT: 6.57 min Scan# 1177
Delta R.T. 0.00 min
Lab File: G69294.D
Acq: 30 Apr 2007 4:42 pm

Tgt Ion: 84 Resp: 15825

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 71.4 | 35.6 | 95.6 |
| 49 | 129.0 | 98.2 | 158.2 |

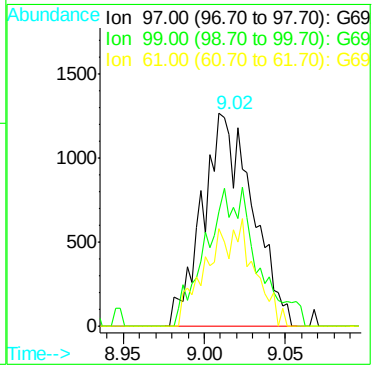


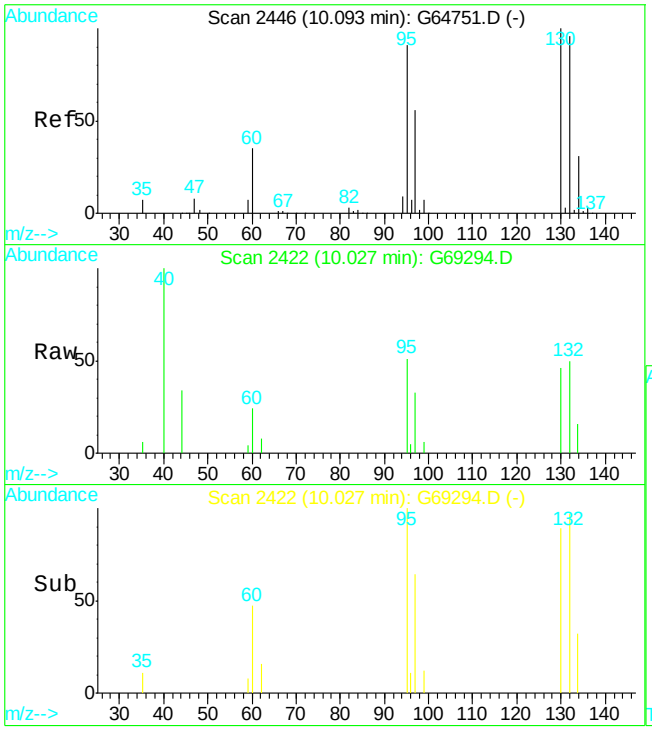




#42
1,1,1-trichloroethane
Concen: 0.44 ppb
RT: 9.02 min Scan# 2058
Delta R.T. -0.00 min
Lab File: G69294.D
Acq: 30 Apr 2007 4:42 pm

Tgt Ion: 97 Resp: 2674

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 56.6 | 33.7 | 93.7 |
| 61 | 35.0 | 14.3 | 74.3 |

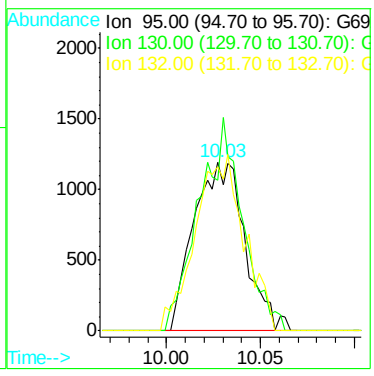


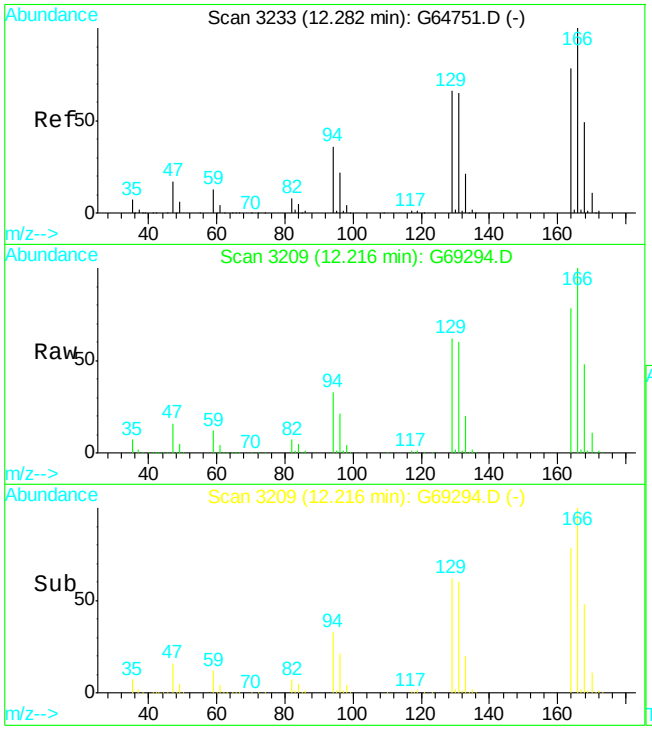



#51
trichloroethene
Concen: 0.55 ppb
RT: 10.03 min Scan# 2422
Delta R.T. 0.00 min
Lab File: G69294.D
Acq: 30 Apr 2007 4:42 pm

Tgt Ion: 95 Resp: 2255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 130 | 89.2 | 70.8 | 130.8 |
| 132 | 97.1 | 69.6 | 129.6 |

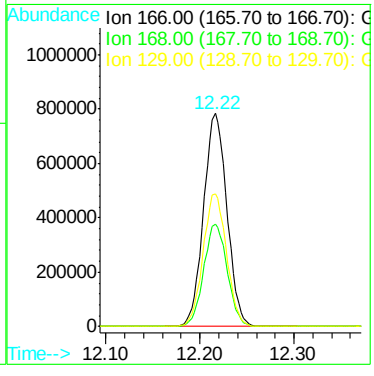



#67
tetrachloroethene
Concen: 262.04 ppb
RT: 12.22 min Scan# 3209
Delta R.T. 0.00 min
Lab File: G69294.D
Acq: 30 Apr 2007 4:42 pm

Tgt Ion:166 Resp: 1353157

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 168 | 47.8 | 19.5 | 79.5 |
| 129 | 62.3 | 34.6 | 94.6 |



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18920.D Vial: 29
Acq On : 27 Apr 2007 3:54 pm Operator: alit
Sample : M64162-28 Inst : MAMSN
Misc : ms13438,msn684,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 27 17:04:37 2007 Quant Results File: N042007W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Apr 25 10:27:30 2007
Response via : Initial Calibration
DataAcq Meth : N8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 5.85 | 65 | 53730 | 500.00 | ug/L | 0.00 |
| 3) pentafluorobenzene | 8.28 | 168 | 89992 | 50.00 | ug/L | 0.00 |
| 43) 1,4-difluorobenzene | 9.14 | 114 | 127621 | 50.00 | ug/L | 0.00 |
| 66) chlorobenzene-d5 | 12.38 | 82 | 71295 | 50.00 | ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 14.94 | 152 | 79667 | 50.00 | ug/L | 0.00 |

System Monitoring Compounds

| | | | | | | |
|---|---|---|---|---|---|---|
| 40) dibromofluoromethane (s) | 7.90 | 113 | 51592 | 60.37 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 84 - 129 | | Recovery = 120.74% | | | |
| 60) toluene-d8 (s) | 10.92 | 98 | 164791 | 51.42 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 102.84% | | | |
| 82) bromofluorobenzene (s) | 13.61 | 95 | 64226 | 50.99 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 82 - 118 | | Recovery = 101.98% | | | |

Target Compounds

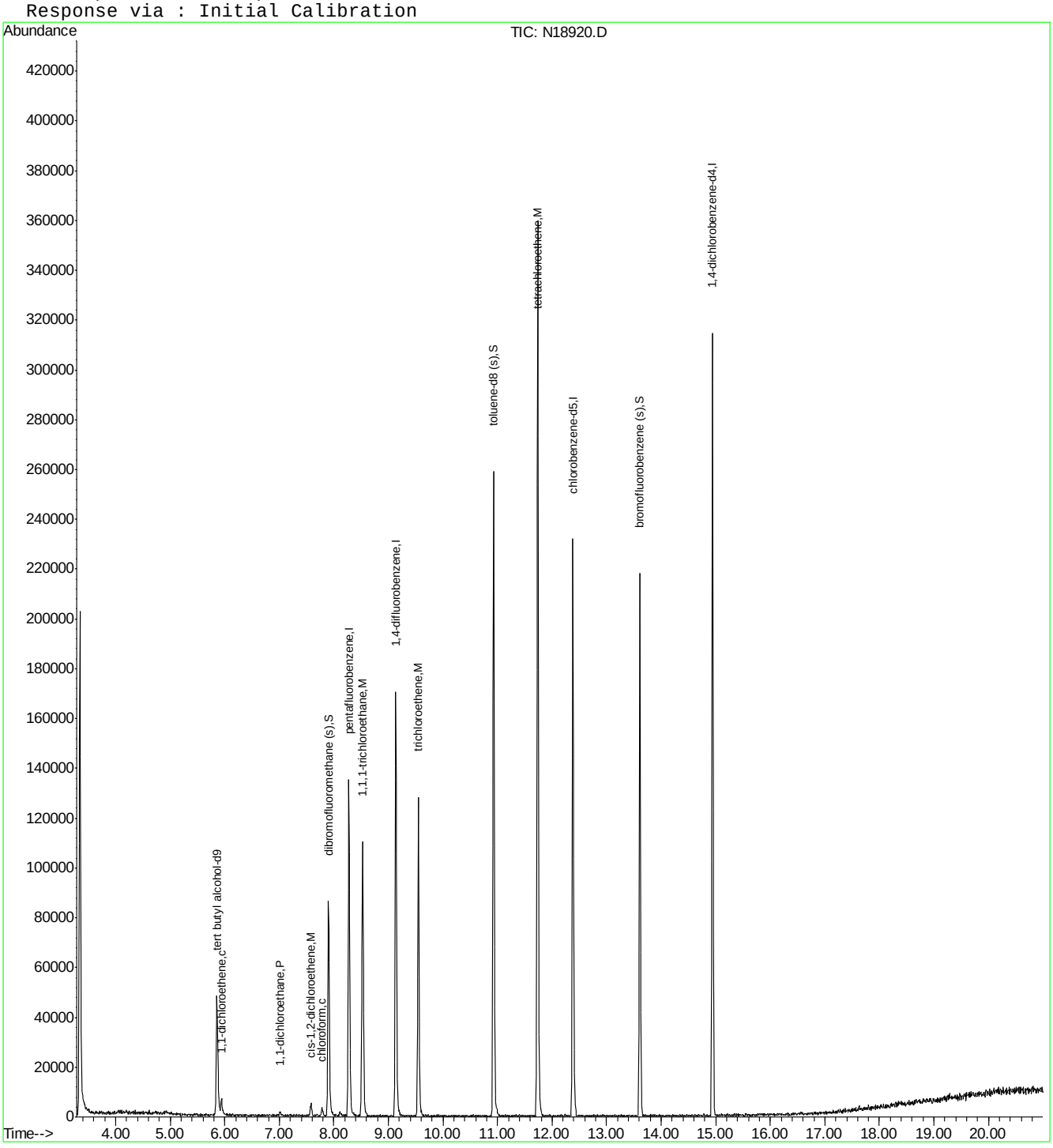
| | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 15) 1,1-dichloroethene | 5.94 | 96 | 2219 | 4.60 | ug/L | 88 |
| 32) 1,1-dichloroethane | 7.01 | 63 | 1960 | 1.61 | ug/L | 94 |
| 36) cis-1,2-dichloroethene | 7.58 | 96 | 1873 | 2.12 | ug/L | 87 |
| 39) chloroform | 7.78 | 83 | 2326 | 1.79 | ug/L | 87 |
| 42) 1,1,1-trichloroethane | 8.53 | 97 | 72354 | 72.72 | ug/L | 99 |
| 51) trichloroethene | 9.55 | 95 | 37917 | 45.73 | ug/L | 90 |
| 67) tetrachloroethene | 11.74 | 166 | 106866 | 90.68 | ug/L | 95 |

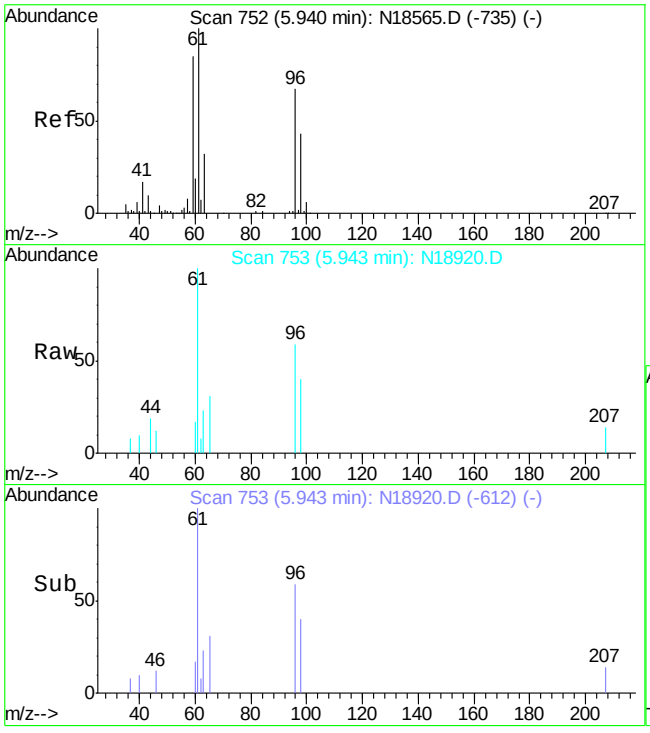
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18920.D Vial: 29
Acq On : 27 Apr 2007 3:54 pm Operator: alit
Sample : M64162-28 Inst : MAMSN
Misc : ms13438,msn684,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 27 17:06 2007 Quant Results File: N042007W.RES

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Apr 25 10:27:30 2007
Response via : Initial Calibration

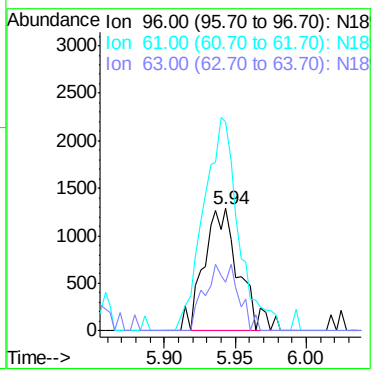


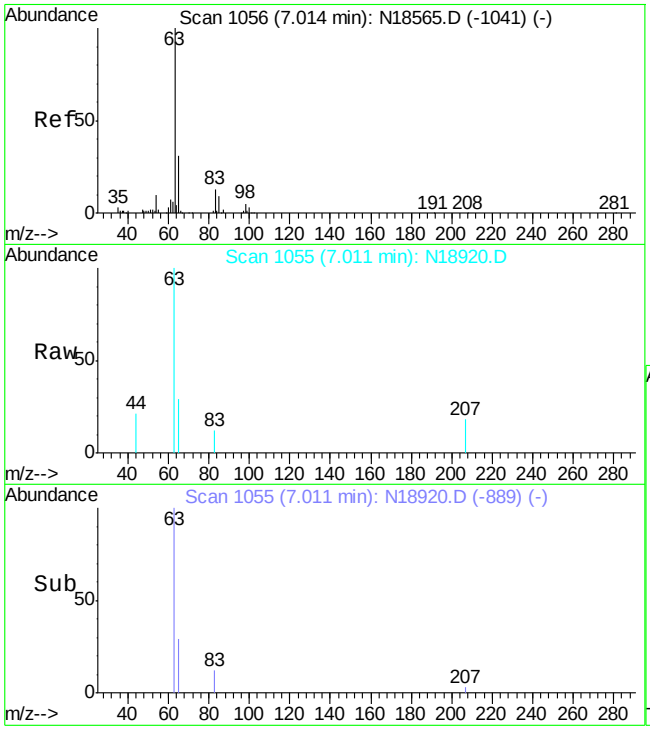



#15
1,1-dichloroethene
Concen: 4.60 ug/L
RT: 5.94 min Scan# 753
Delta R.T. 0.00 min
Lab File: N18920.D
Acq: 27 Apr 2007 3:54 pm

Tgt Ion: 96 Resp: 2219

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 170.4 | 124.6 | 184.6 |
| 63 | 39.7 | 17.9 | 77.9 |

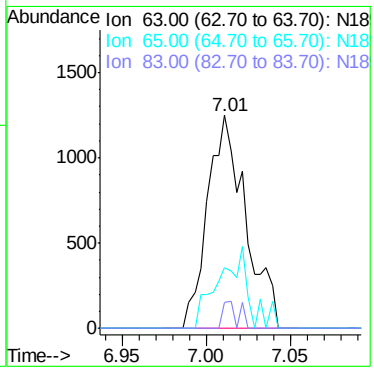


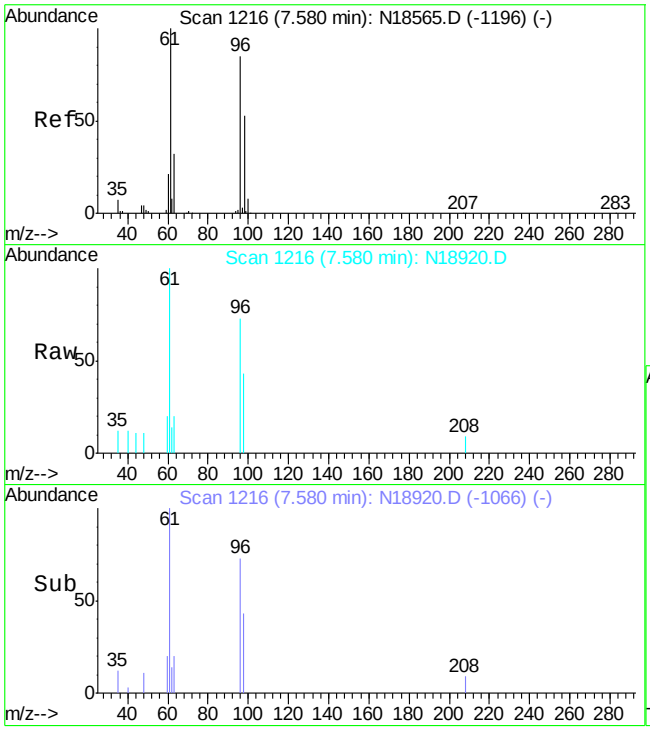




#32
1,1-dichloroethane
Concen: 1.61 ug/L
RT: 7.01 min Scan# 1055
Delta R.T. -0.00 min
Lab File: N18920.D
Acq: 27 Apr 2007 3:54 pm

Tgt Ion: 63 Resp: 1960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 28.6 | 2.3 | 62.3 |
| 83 | 12.3 | 0.0 | 44.4 |

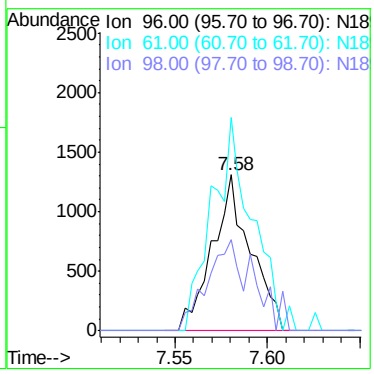


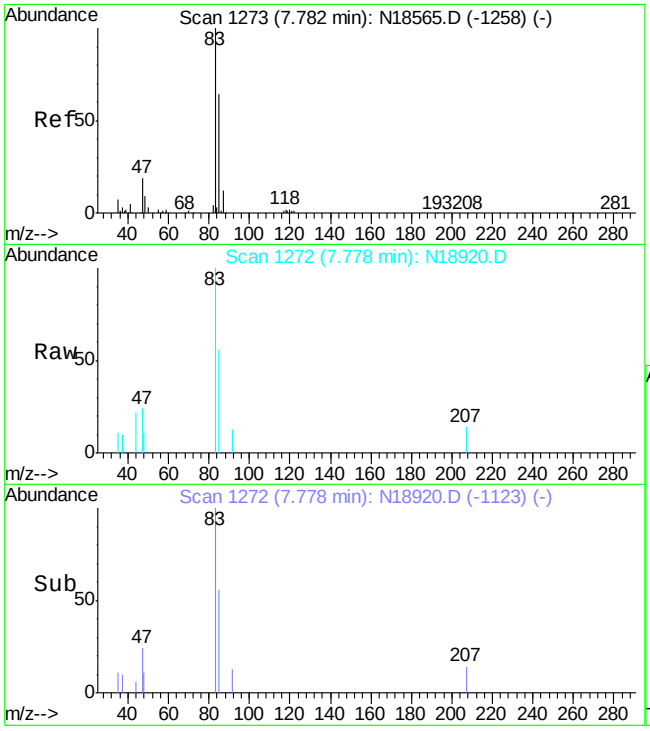



#36
cis-1,2-dichloroethene
Concen: 2.12 ug/L
RT: 7.58 min Scan# 1216
Delta R.T. -0.00 min
Lab File: N18920.D
Acq: 27 Apr 2007 3:54 pm

Tgt Ion: 96 Resp: 1873

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 136.6 | 88.5 | 148.5 |
| 98 | 58.3 | 33.1 | 93.1 |

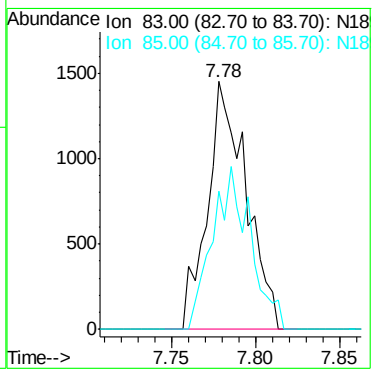


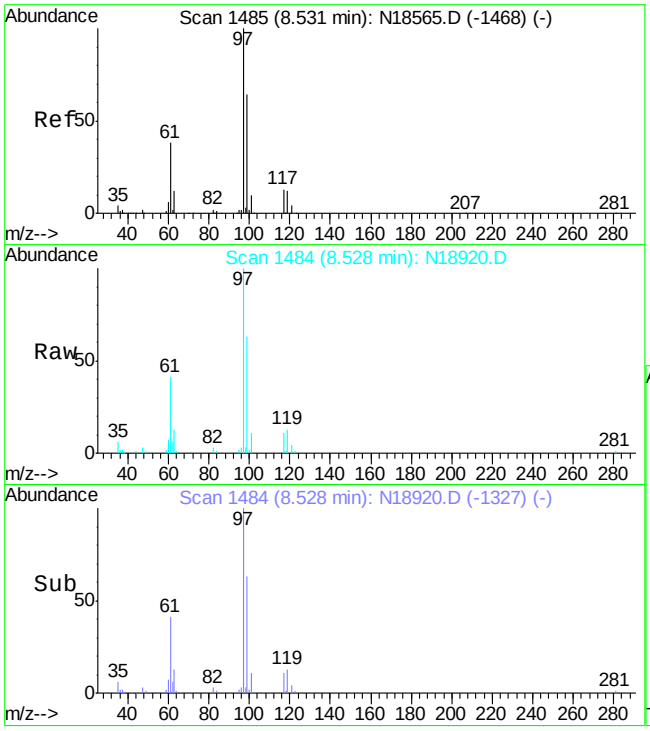




#39
chloroform
Concen: 1.79 ug/L
RT: 7.78 min Scan# 1272
Delta R.T. -0.00 min
Lab File: N18920.D
Acq: 27 Apr 2007 3:54 pm

Tgt Ion: 83 Resp: 2326

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 55.6 | 35.6 | 95.6 |

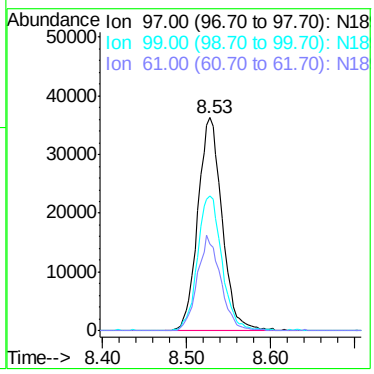


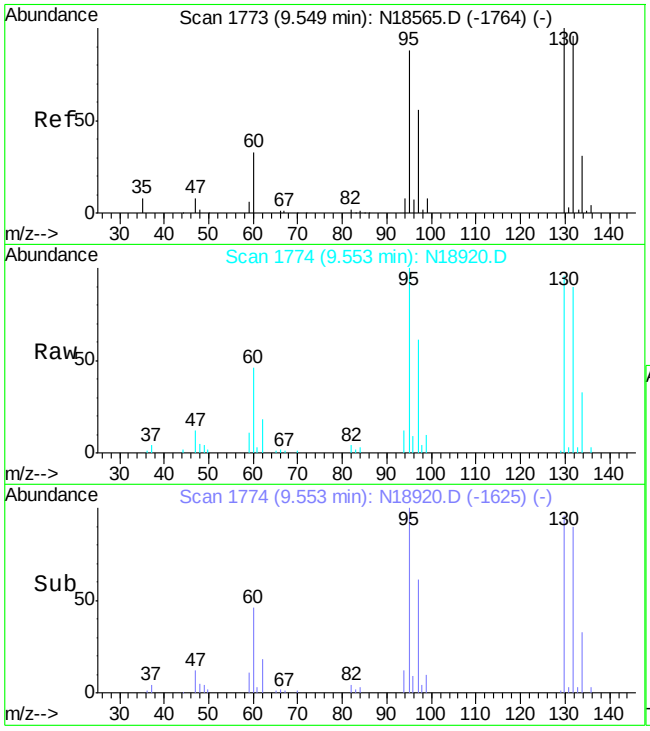



#42
1,1,1-trichloroethane
Concen: 72.72 ug/L
RT: 8.53 min Scan# 1484
Delta R.T. 0.00 min
Lab File: N18920.D
Acq: 27 Apr 2007 3:54 pm

Tgt Ion: 97 Resp: 72354

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.5 | 32.2 | 92.2 |
| 61 | 40.7 | 10.8 | 70.8 |

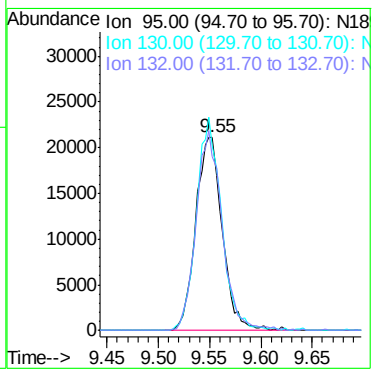


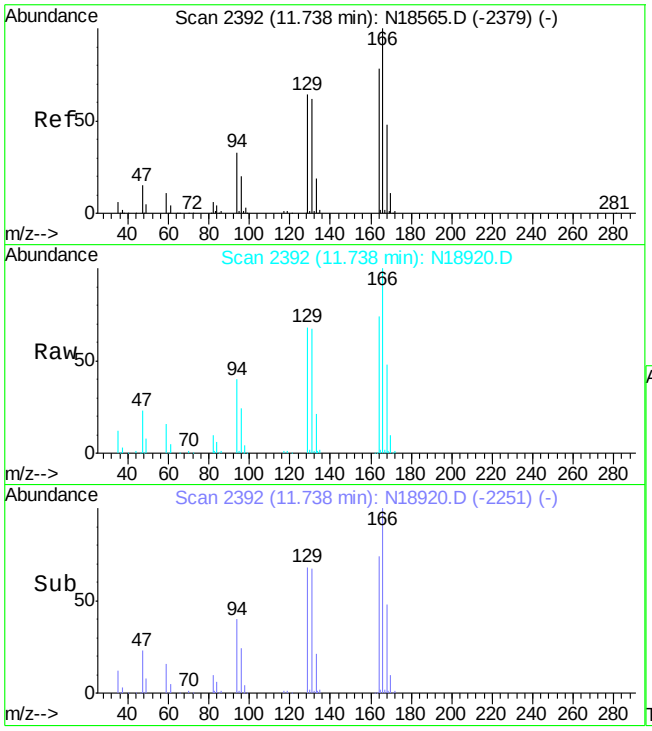




#51
trichloroethene
Concen: 45.73 ug/L
RT: 9.55 min Scan# 1774
Delta R.T. 0.01 min
Lab File: N18920.D
Acq: 27 Apr 2007 3:54 pm

Tgt Ion: 95 Resp: 37917

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 130 | 95.6 | 75.7 | 135.7 |
| 132 | 90.0 | 69.5 | 129.5 |

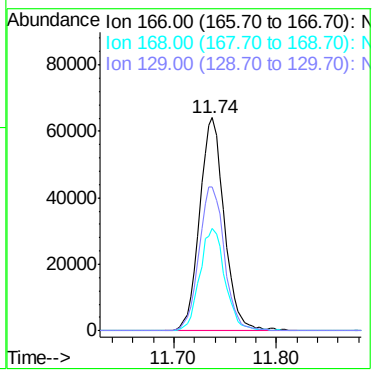





#67
tetrachloroethene
Concen: 90.68 ug/L
RT: 11.74 min Scan# 2392
Delta R.T. -0.00 min
Lab File: N18920.D
Acq: 27 Apr 2007 3:54 pm

Tgt Ion:166 Resp: 106866

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 168 | 48.0 | 16.3 | 76.3 |
| 129 | 67.7 | 33.0 | 93.0 |



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p17222.D
Acq On : 26 Apr 2007 10:08 pm
Operator : amym
Sample : m64162-28
Misc : ms13438,msp589,,,,5,1
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Apr 30 14:48:01 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 25 09:57:54 2007
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 6.626 | 65 | 55462 | 500.00 | ug/L | 0.03 |
| 3) pentafluorobenzene | 9.003 | 168 | 107365 | 50.00 | ug/L | 0.00 |
| 42) 1,4-difluorobenzene | 9.876 | 114 | 187462 | 50.00 | ug/L | 0.00 |
| 65) chlorobenzene-d5 | 13.132 | 82 | 125731 | 50.00 | ug/L | 0.00 |
| 79) 1,4-dichlorobenzene-d4 | 15.693 | 152 | 88525 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 39) dibromofluoromethane (s) | 8.649 | 113 | 70345 | 57.22 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 85 - 129 | | Recovery = 114.44% | | | |
| 59) toluene-d8 (s) | 11.674 | 98 | 246520 | 52.06 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 104.12% | | | |
| 81) bromofluorobenzene (s) | 14.358 | 95 | 109503 | 50.85 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 119 | | Recovery = 101.70% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 15) 1,1-dichloroethene | 6.652 | 96 | 20769 | 17.87 | ug/L # | 28 |
| 32) 1,1-dichloroethane | 7.748 | 63 | 4003 | 1.47 | ug/L | 89 |
| 36) cis-1,2-dichloroethene | 8.321 | 96 | 3128 | 2.24 | ug/L # | 59 |
| 38) chloroform | 8.522 | 83 | 4821 | 1.79 | ug/L | 68 |
| 40) Tetrahydrofuran | 8.871 | 42 | 1656 | 2.63 | ug/L # | 56 |
| 41) 1,1,1-trichloroethane | 9.277 | 97 | 92229 | 43.03 | ug/L | 87 |
| 50) trichloroethene | 10.297 | 95 | 70292 | 46.28 | ug/L # | 69 |
| 66) tetrachloroethene | 12.484 | 166 | 134786 | 103.04 | ug/L | 92 |

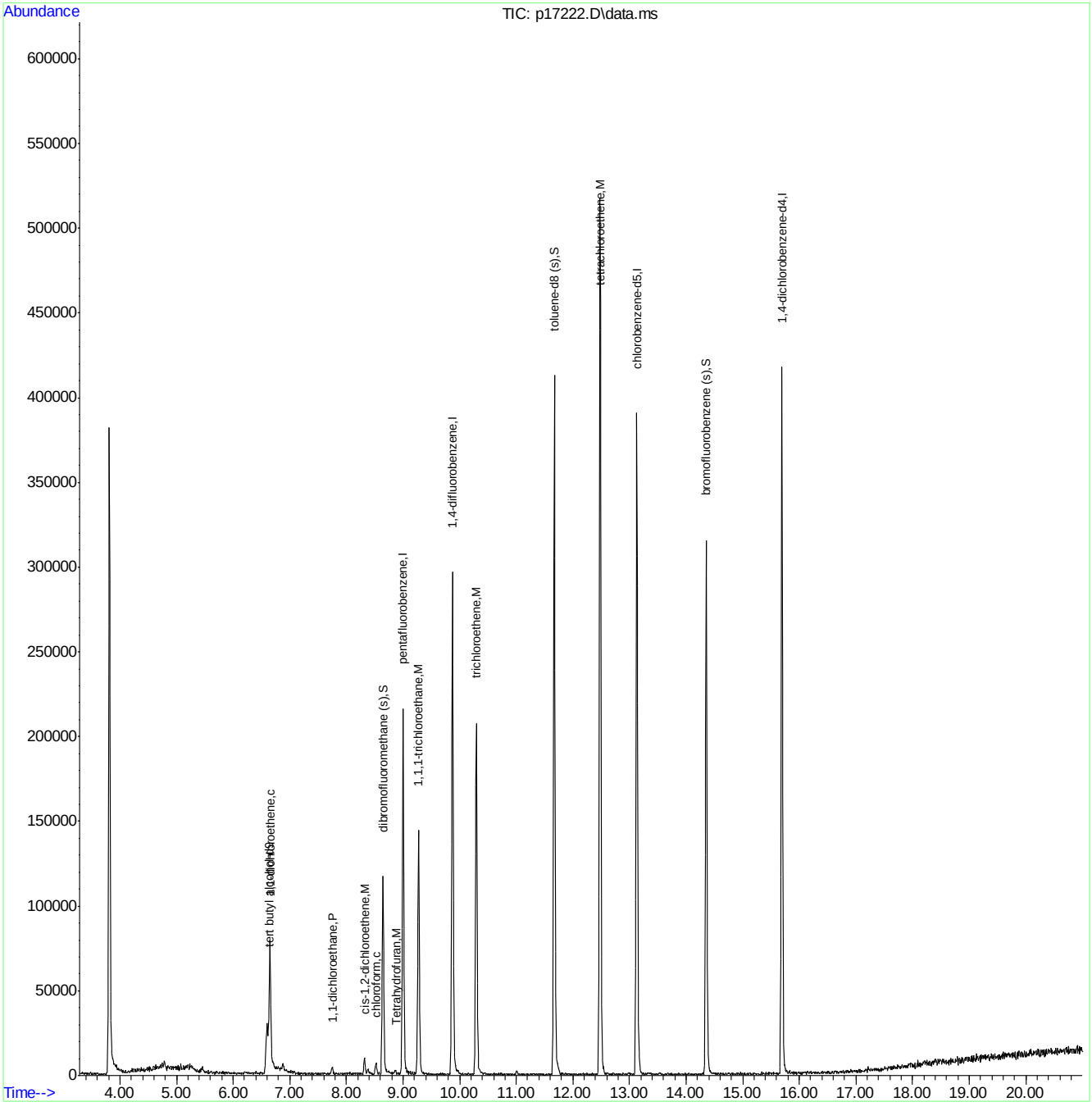
(#) = qualifier out of range (m) = manual integration (+) = signals summed

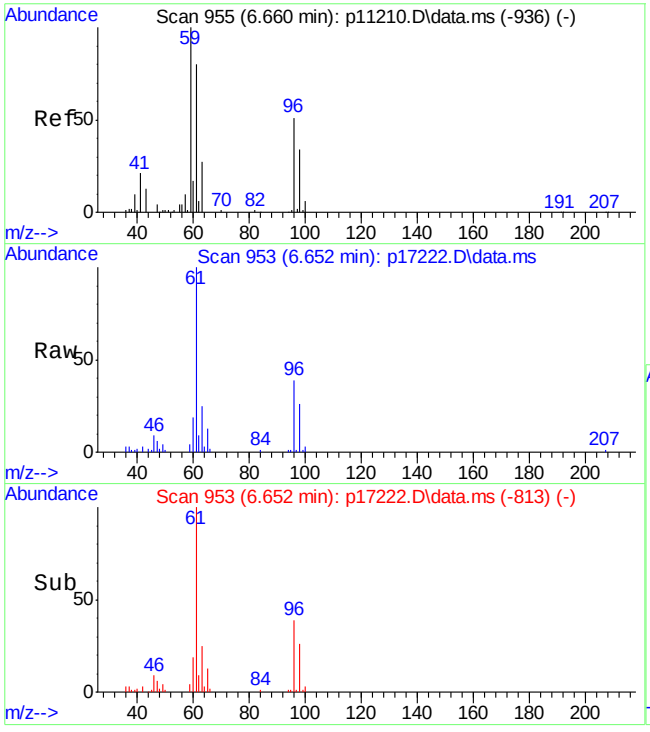
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p17222.D
Acq On : 26 Apr 2007 10:08 pm
Operator : amym
Sample : m64162-28
Misc : ms13438,msp589,,,,5,1
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Apr 30 14:48:01 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 25 09:57:54 2007
Response via : Initial Calibration



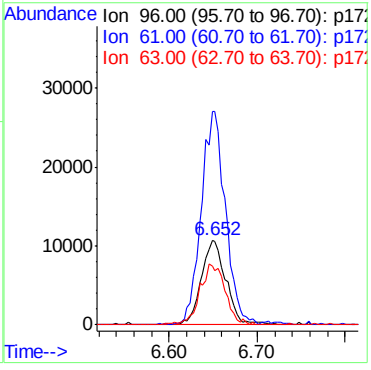


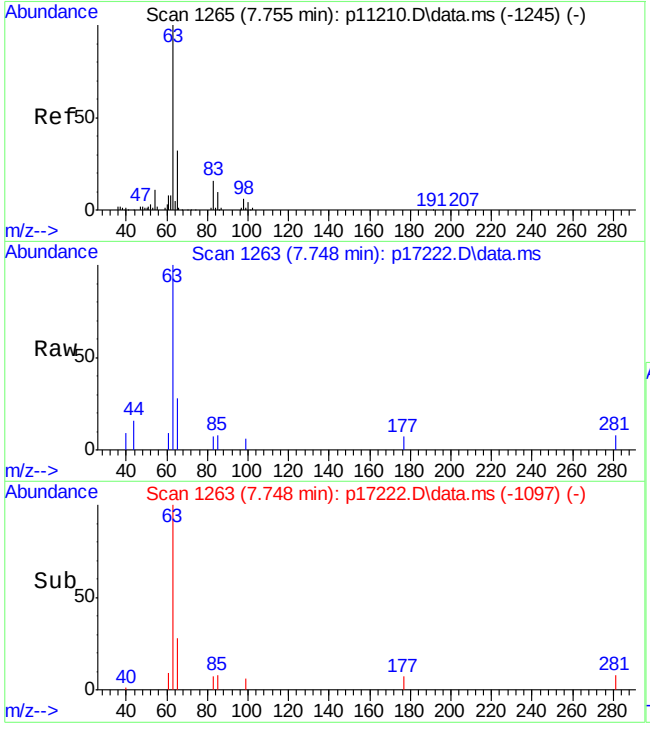



#15
1,1-dichloroethene
Concen: 17.87 ug/L
RT: 6.652 min Scan# 953
Delta R.T. -0.004 min
Lab File: p17222.D
Acq: 26 Apr 2007 10:08 pm

Tgt Ion: 96 Resp: 20769

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 257.3 | 116.4 | 176.4# |
| 63 | 65.1 | 19.0 | 79.0 |

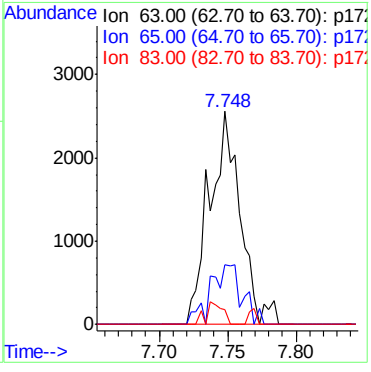


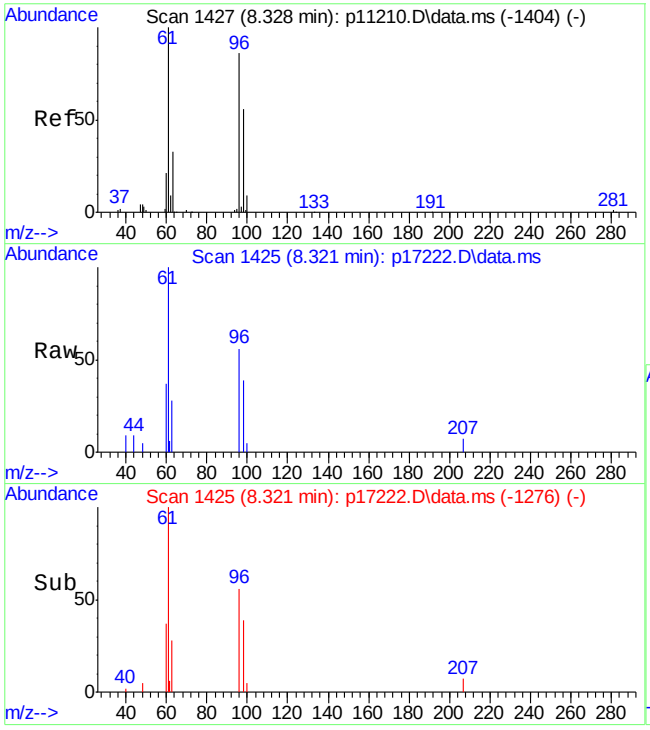




#32
1,1-dichloroethane
Concen: 1.47 ug/L
RT: 7.748 min Scan# 1263
Delta R.T. -0.003 min
Lab File: p17222.D
Acq: 26 Apr 2007 10:08 pm

Tgt Ion: 63 Resp: 4003

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 28.2 | 1.9 | 61.9 |
| 83 | 6.8 | 0.0 | 44.9 |

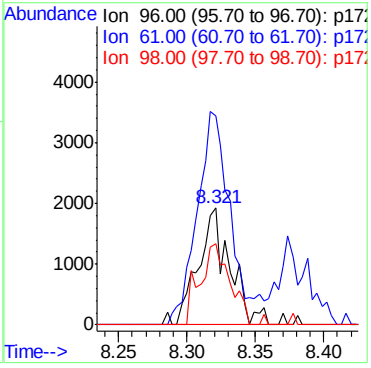


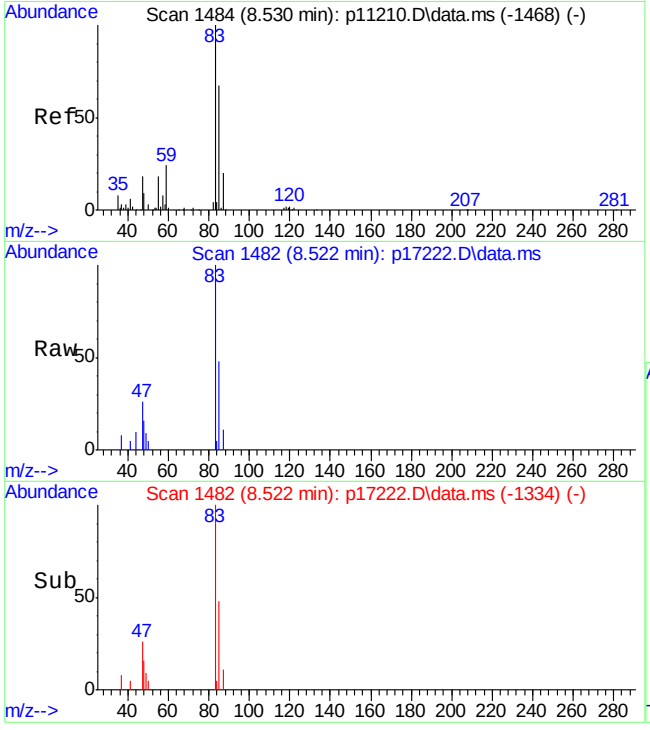



#36
cis-1,2-dichloroethene
Concen: 2.24 ug/L
RT: 8.321 min Scan# 1425
Delta R.T. -0.003 min
Lab File: p17222.D
Acq: 26 Apr 2007 10:08 pm

Tgt Ion: 96 Resp: 3128

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 178.7 | 83.9 | 143.9# |
| 98 | 69.9 | 35.0 | 95.0 |

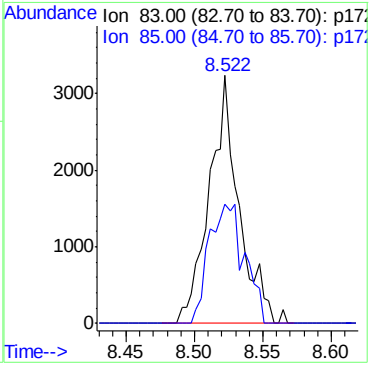


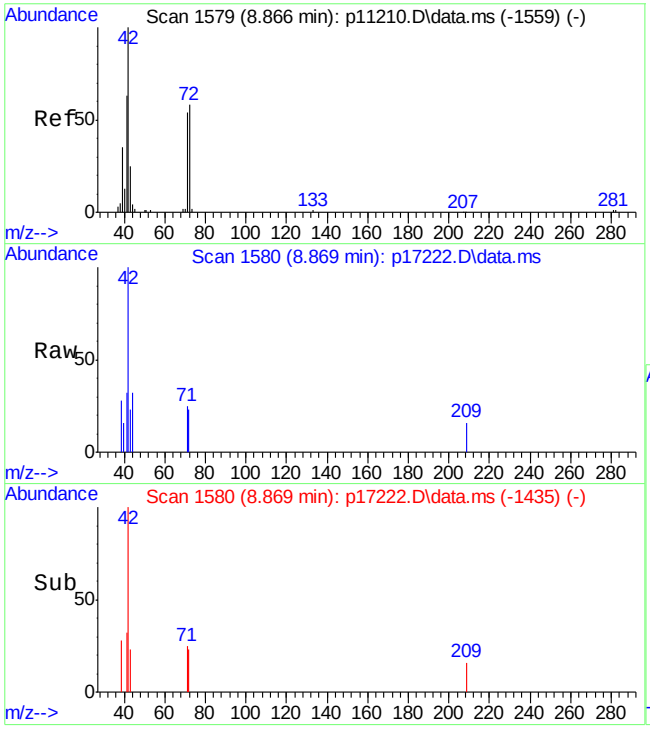




#38
chloroform
Concen: 1.79 ug/L
RT: 8.522 min Scan# 1482
Delta R.T. -0.006 min
Lab File: p17222.D
Acq: 26 Apr 2007 10:08 pm

Tgt Ion: 83 Resp: 4821

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 48.2 | 45.2 | 105.2 |

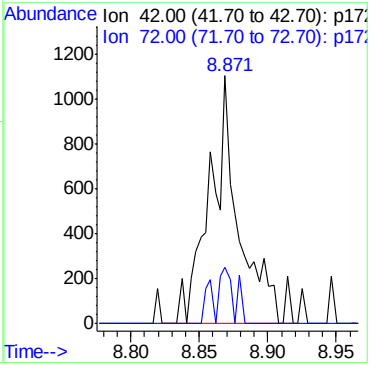


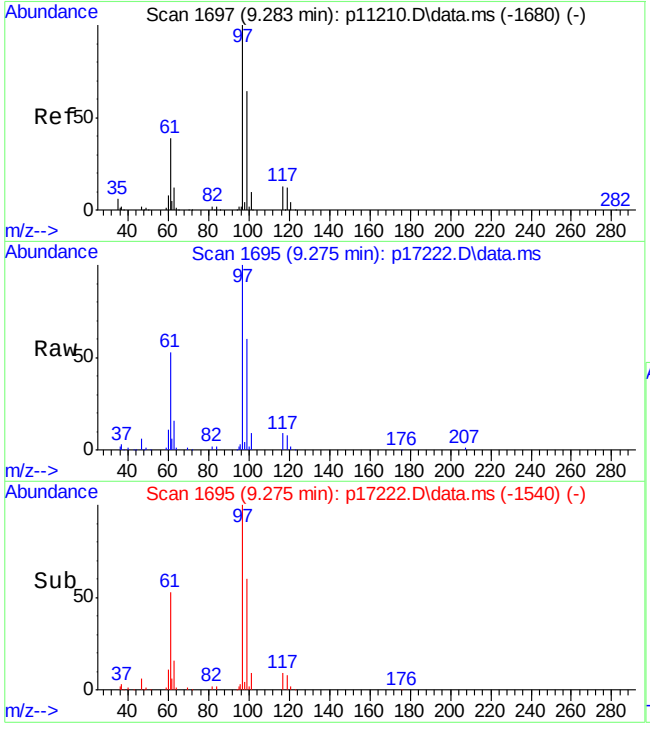



#40
Tetrahydrofuran
Concen: 2.63 ug/L
RT: 8.871 min Scan# 1580
Delta R.T. 0.014 min
Lab File: p17222.D
Acq: 26 Apr 2007 10:08 pm

Tgt Ion: 42 Resp: 1656

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 22.8 | 24.2 | 84.2# |

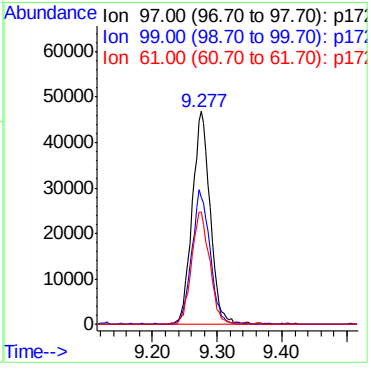


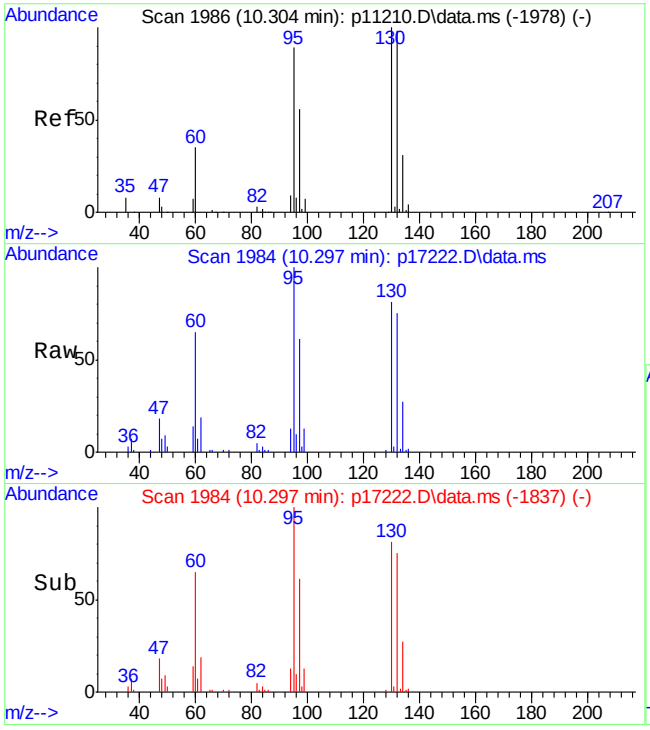




#41
1,1,1-trichloroethane
Concen: 43.03 ug/L
RT: 9.277 min Scan# 1695
Delta R.T. 0.001 min
Lab File: p17222.D
Acq: 26 Apr 2007 10:08 pm

Tgt Ion: 97 Resp: 92229

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 59.6 | 33.8 | 93.8 |
| 61 | 52.8 | 8.0 | 68.0 |

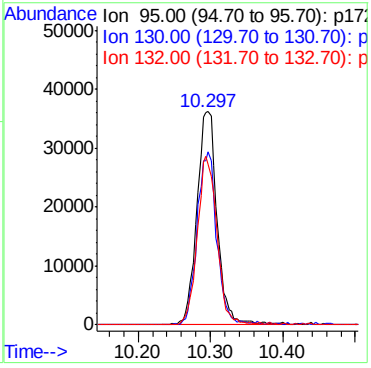


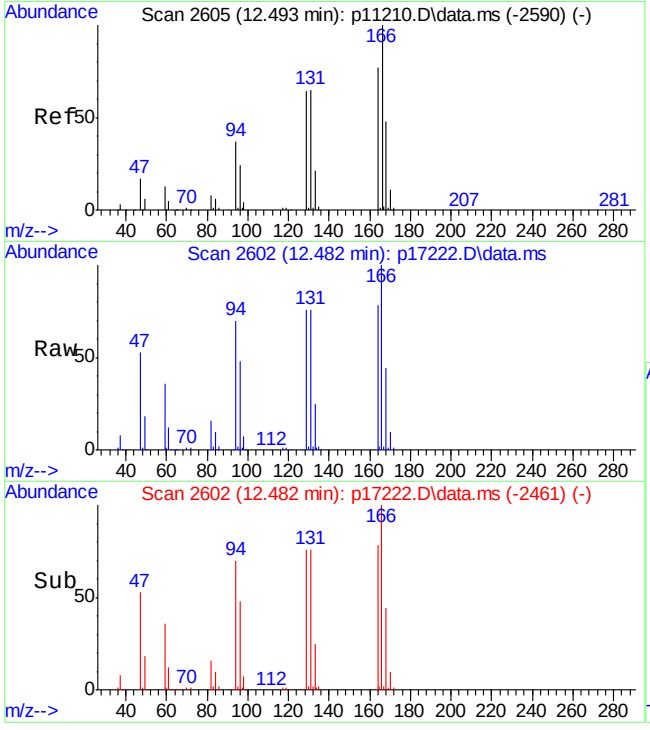



#50
trichloroethene
Concen: 46.28 ug/L
RT: 10.297 min Scan# 1984
Delta R.T. 0.001 min
Lab File: p17222.D
Acq: 26 Apr 2007 10:08 pm

Tgt Ion: 95 Resp: 70292

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 130 | 81.2 | 81.4 | 141.4# |
| 132 | 75.2 | 80.8 | 140.8# |

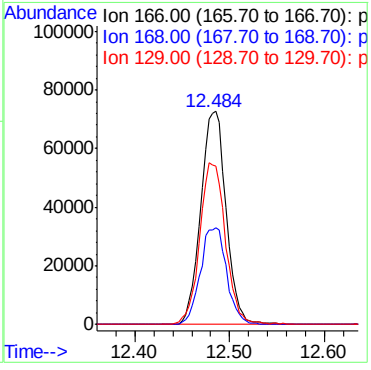



#66
tetrachloroethene
Concen: 103.04 ug/L
RT: 12.484 min Scan# 2602
Delta R.T. -0.000 min
Lab File: p17222.D
Acq: 26 Apr 2007 10:08 pm

Tgt Ion:166 Resp: 134786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 168 | 44.5 | 17.7 | 77.7 |
| 129 | 75.6 | 36.7 | 96.7 |



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69299.D Vial: 8
Acq On : 30 Apr 2007 6:54 pm Operator: kimt
Sample : M64162-29 Inst : 5973 G
Misc : MS13464,MSG2785,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 1 9:25 2007 Quant Results File: G042507W.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration
DataAcq Meth : G8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 6.39 | 65 | 90279 | 500.00 | ppb | -0.03 |
| 3) pentafluorobenzene | 8.74 | 168 | 409843 | 50.00 | ppb | 0.00 |
| 43) 1,4-difluorobenzene | 9.61 | 114 | 565888 | 50.00 | ppb | 0.00 |
| 66) chlorobenzene-d5 | 12.86 | 82 | 279156 | 50.00 | ppb | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 15.42 | 152 | 324920 | 50.00 | ppb | 0.00 |

System Monitoring Compounds

| | | | | | | |
|---|---|---|---|---|---|---|
| 40) dibromofluoromethane (s) | 8.38 | 113 | 179899 | 50.71 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 83 - 127 | | Recovery = 101.42% | | | |
| 60) toluene-d8 (s) | 11.40 | 98 | 669445 | 48.65 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 89 - 112 | | Recovery = 97.30% | | | |
| 82) bromofluorobenzene (s) | 14.09 | 95 | 255220 | 47.86 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 81 - 119 | | Recovery = 95.72% | | | |

Target Compounds

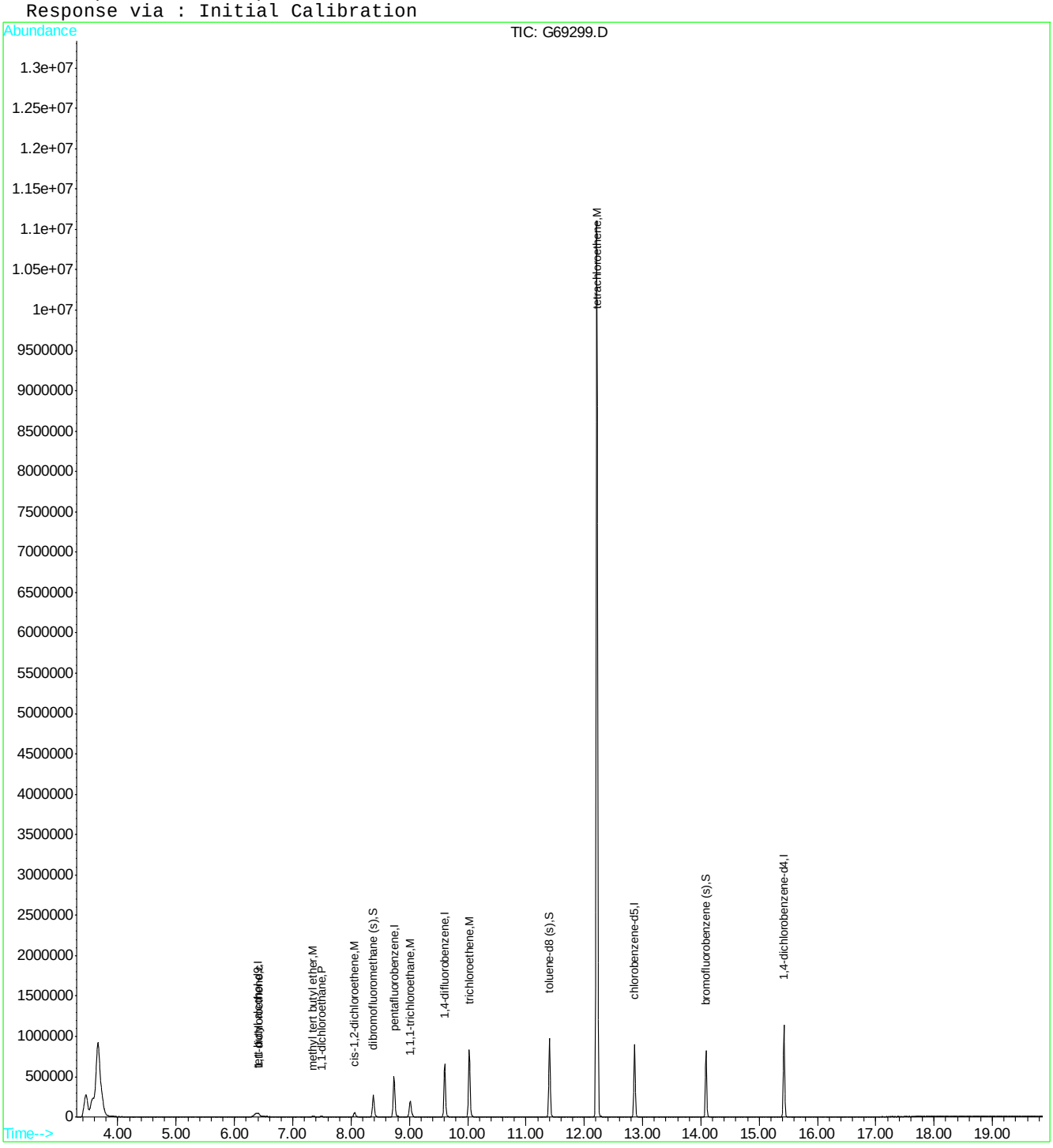
| | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 15) 1,1-dichloroethene | 6.42 | 96 | 14067 | 3.85 | ppb # | 79 |
| 19) methyl tert butyl ether | 7.35 | 73 | 8928 | 0.81 | ppb | 91 |
| 32) 1,1-dichloroethane | 7.49 | 63 | 8064 | 1.12 | ppb | 93 |
| 36) cis-1,2-dichloroethene | 8.06 | 96 | 29111 | 6.29 | ppb | 91 |
| 42) 1,1,1-trichloroethane | 9.02 | 97 | 155448 | 26.82 | ppb | 99 |
| 51) trichloroethene | 10.03 | 95 | 277811 | 70.51 | ppb | 93 |
| 67) tetrachloroethene | 12.22 | 166 | 3777061 | 802.26 | ppb | 99 |

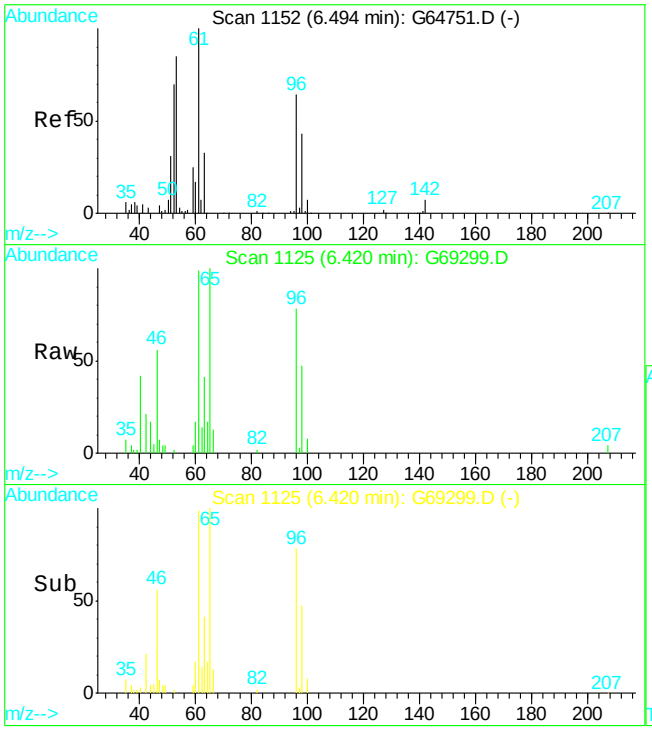
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\G69299.D  Vial: 8
Acq On : 30 Apr 2007 6:54 pm  Operator: kimt
Sample : M64162-29  Inst : 5973 G
Misc : MS13464,MSG2785,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 1 9:25 2007  Quant Results File: G042507W.RES

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration

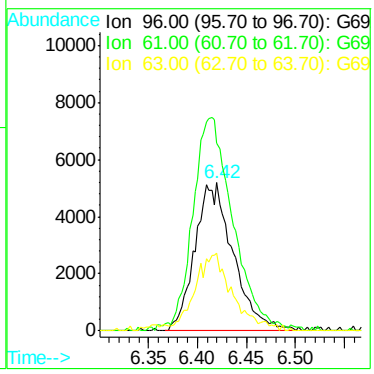


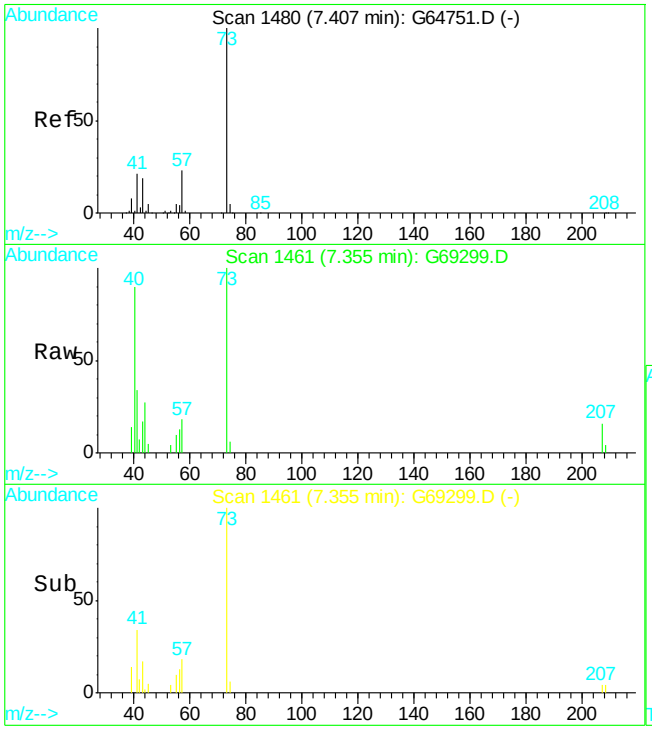



#15
1,1-dichloroethene
Concen: 3.85 ppb
RT: 6.42 min Scan# 1125
Delta R.T. 0.00 min
Lab File: G69299.D
Acq: 30 Apr 2007 6:54 pm

Tgt Ion: 96 Resp: 14067

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 124.5 | 130.9 | 190.9# |
| 63 | 52.5 | 20.9 | 80.9 |

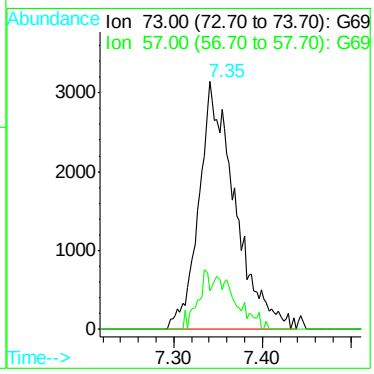


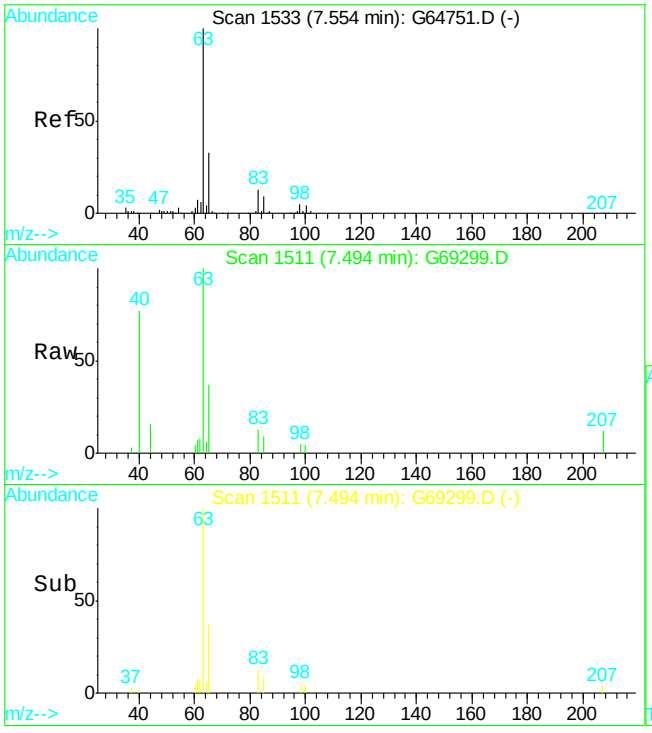




#19
methyl tert butyl ether
Concen: 0.81 ppb
RT: 7.35 min Scan# 1461
Delta R.T. 0.01 min
Lab File: G69299.D
Acq: 30 Apr 2007 6:54 pm

Tgt Ion: 73 Resp: 8928

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 18.0 | 0.0 | 52.1 |

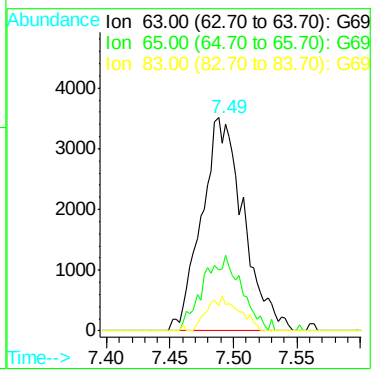


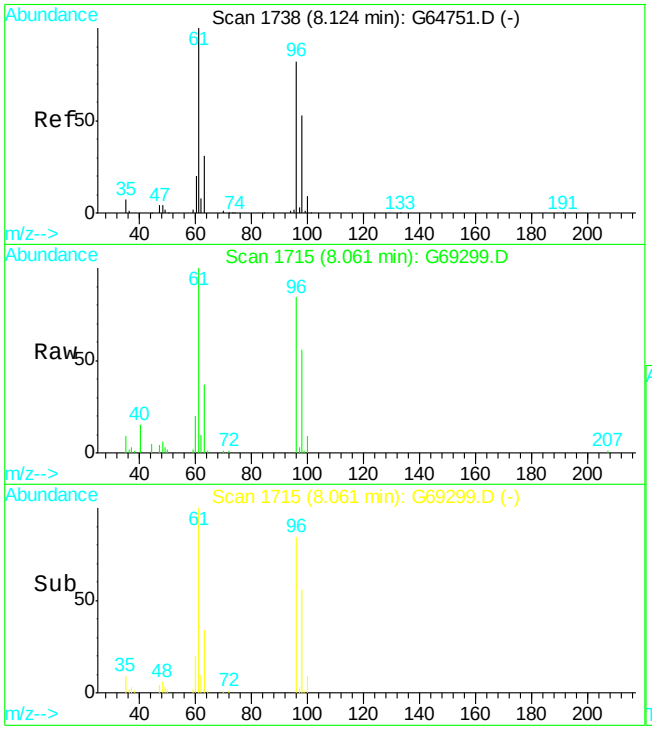



#32
1,1-dichloroethane
Concen: 1.12 ppb
RT: 7.49 min Scan# 1511
Delta R.T. 0.00 min
Lab File: G69299.D
Acq: 30 Apr 2007 6:54 pm

Tgt Ion: 63 Resp: 8064

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 36.6 | 1.3 | 61.3 |
| 83 | 12.7 | 0.0 | 42.8 |

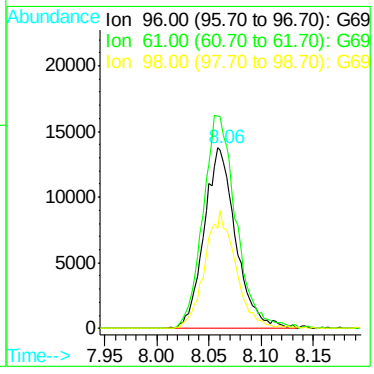


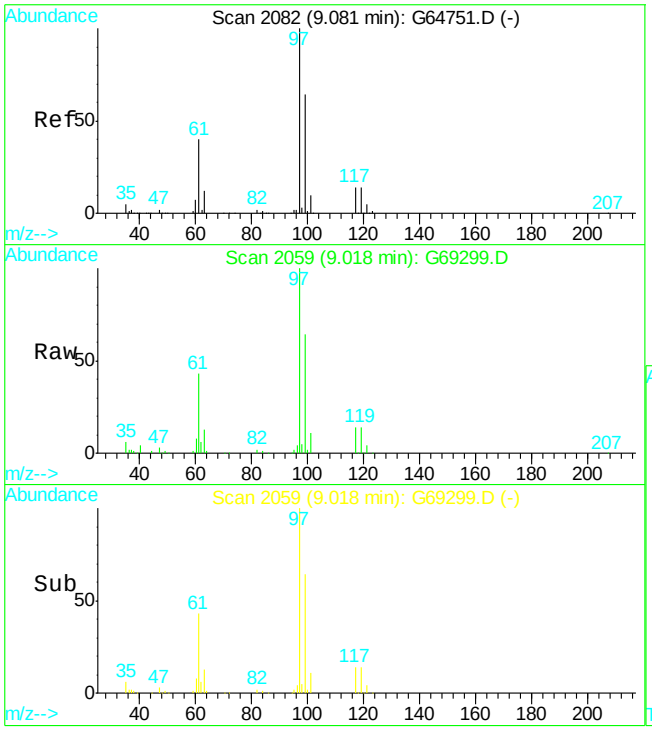




#36
cis-1,2-dichloroethene
Concen: 6.29 ppb
RT: 8.06 min Scan# 1715
Delta R.T. 0.00 min
Lab File: G69299.D
Acq: 30 Apr 2007 6:54 pm

Tgt Ion: 96 Resp: 29111

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 118.7 | 103.3 | 163.3 |
| 98 | 66.1 | 35.4 | 95.4 |

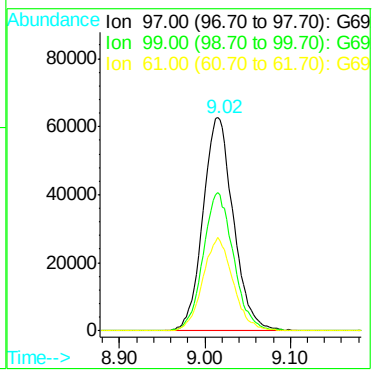


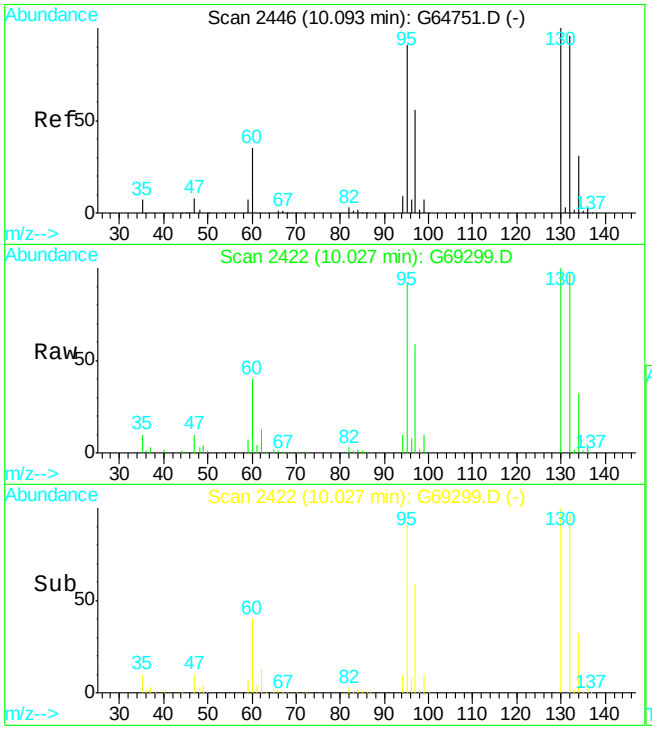



#42
1,1,1-trichloroethane
Concen: 26.82 ppb
RT: 9.02 min Scan# 2059
Delta R.T. 0.00 min
Lab File: G69299.D
Acq: 30 Apr 2007 6:54 pm

Tgt Ion: 97 Resp: 155448

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.5 | 33.7 | 93.7 |
| 61 | 43.0 | 14.3 | 74.3 |

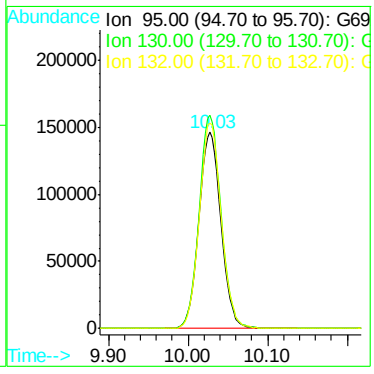


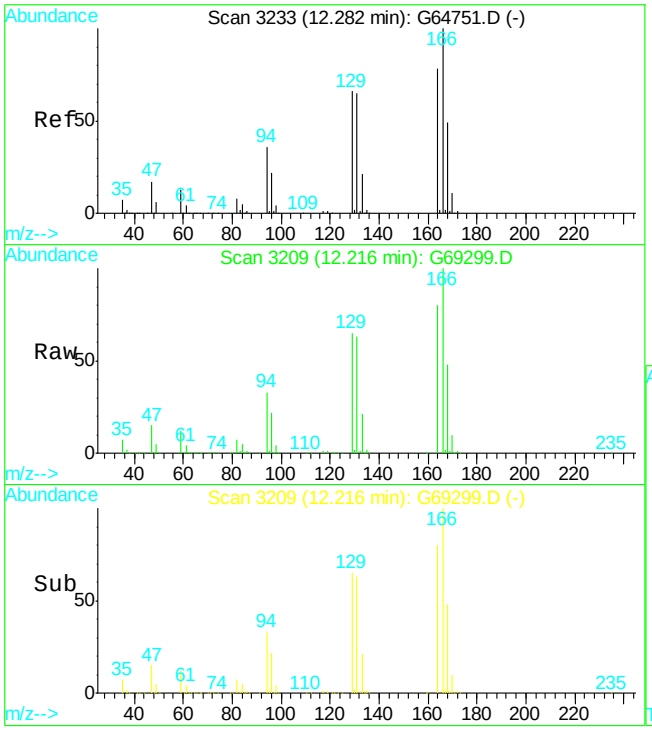




#51
trichloroethene
Concen: 70.51 ppb
RT: 10.03 min Scan# 2422
Delta R.T. 0.00 min
Lab File: G69299.D
Acq: 30 Apr 2007 6:54 pm

Tgt Ion: 95 Resp: 277811

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 130 | 108.8 | 70.8 | 130.8 |
| 132 | 105.0 | 69.6 | 129.6 |

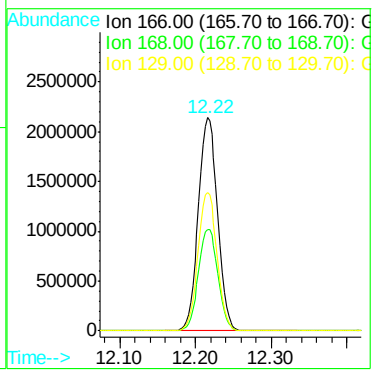





#67
tetrachloroethene
Concen: 802.26 ppb
RT: 12.22 min Scan# 3209
Delta R.T. 0.00 min
Lab File: G69299.D
Acq: 30 Apr 2007 6:54 pm

Tgt Ion:166 Resp: 3777061

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 168 | 47.6 | 19.5 | 79.5 |
| 129 | 64.8 | 34.6 | 94.6 |



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69301.D Vial: 2
Acq On : 30 Apr 2007 7:48 pm Operator: kimt
Sample : M64162-29 Inst : 5973 G
Misc : MS13464,MSG2785,,,,5,10 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 1 12:15 2007 Quant Results File: G042507W.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration
DataAcq Meth : G8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 6.38 | 65 | 93638 | 500.00 | ppb | -0.04 |
| 3) pentafluorobenzene | 8.74 | 168 | 379660 | 50.00 | ppb | 0.00 |
| 43) 1,4-difluorobenzene | 9.61 | 114 | 526408 | 50.00 | ppb | 0.00 |
| 66) chlorobenzene-d5 | 12.86 | 82 | 269530 | 50.00 | ppb | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 15.42 | 152 | 309477 | 50.00 | ppb | 0.00 |

System Monitoring Compounds

| | | | | | | |
|---|---|---|---|---|---|---|
| 40) dibromofluoromethane (s) | 8.38 | 113 | 166705 | 50.73 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 83 - 127 | | Recovery = 101.46% | | | |
| 60) toluene-d8 (s) | 11.40 | 98 | 636916 | 49.75 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 89 - 112 | | Recovery = 99.50% | | | |
| 82) bromofluorobenzene (s) | 14.09 | 95 | 243576 | 47.95 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 81 - 119 | | Recovery = 95.90% | | | |

Target Compounds

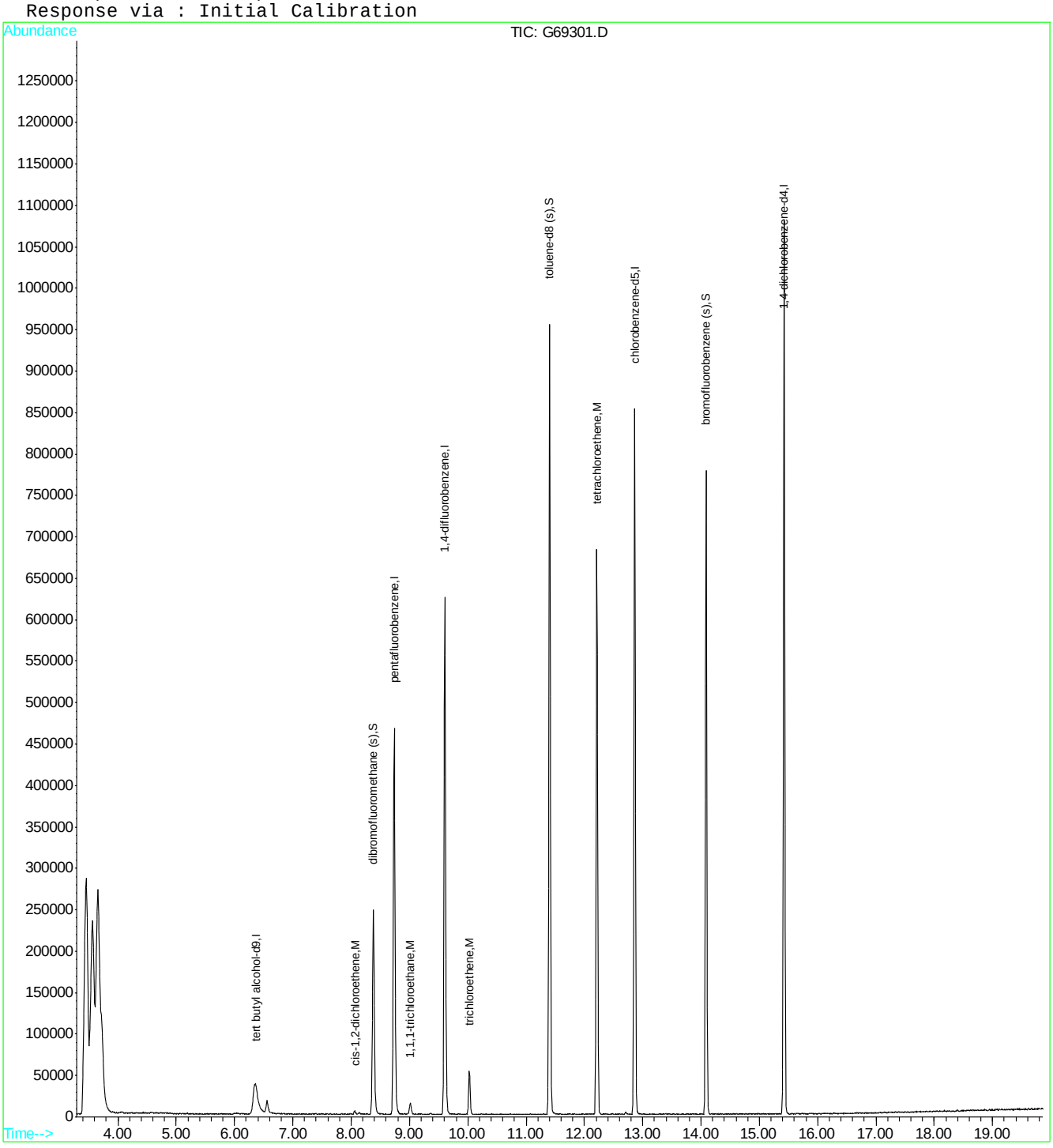
| | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 36) cis-1,2-dichloroethene | 8.06 | 96 | 1961 | 0.46 | ppb | # 66 |
| 42) 1,1,1-trichloroethane | 9.02 | 97 | 10238 | 1.91 | ppb | 94 |
| 51) trichloroethene | 10.03 | 95 | 18340 | 5.00 | ppb | 92 |
| 67) tetrachloroethene | 12.22 | 166 | 226078 | 49.73 | ppb | 99 |

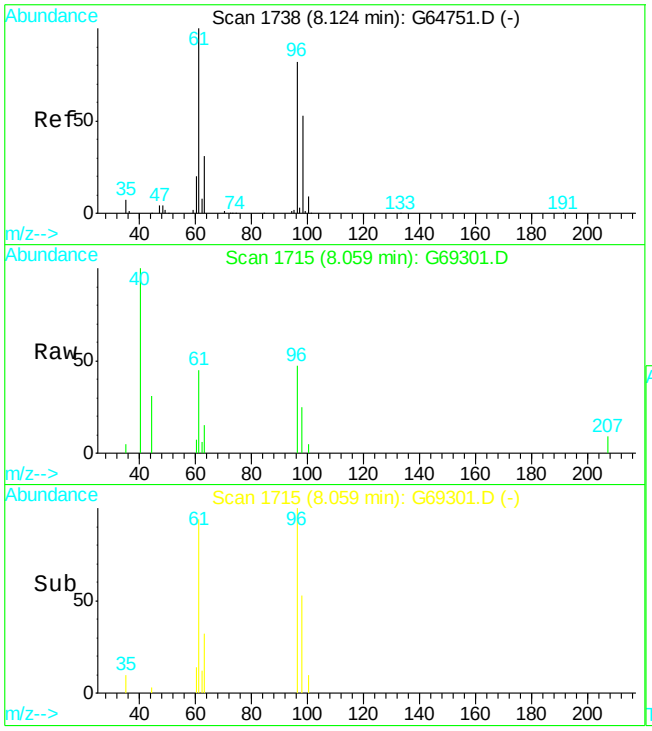
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\G69301.D  Vial: 2
Acq On : 30 Apr 2007 7:48 pm  Operator: kimt
Sample : M64162-29  Inst : 5973 G
Misc : MS13464,MSG2785,,,,5,10  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 1 12:15 2007  Quant Results File: G042507W.RES

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration

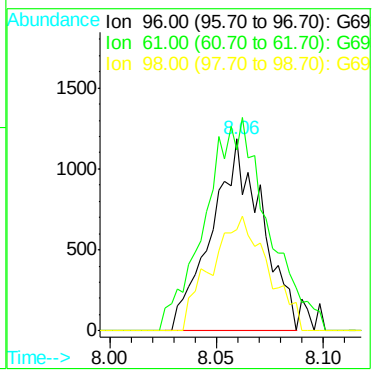


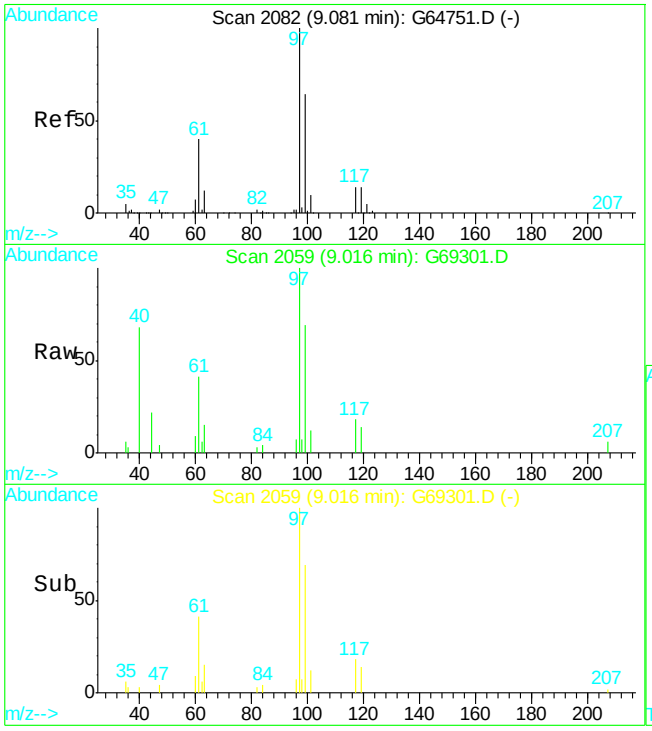



#36
cis-1,2-dichloroethene
Concen: 0.46 ppb
RT: 8.06 min Scan# 1715
Delta R.T. 0.00 min
Lab File: G69301.D
Acq: 30 Apr 2007 7:48 pm

Tgt Ion: 96 Resp: 1961

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 82.7 | 103.3 | 163.3# |
| 98 | 52.5 | 35.4 | 95.4 |

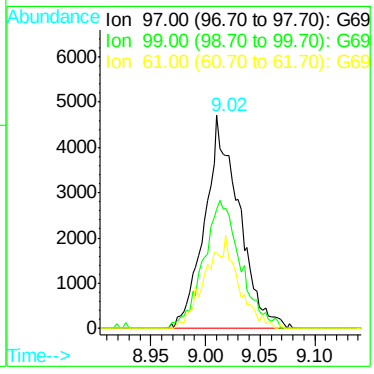


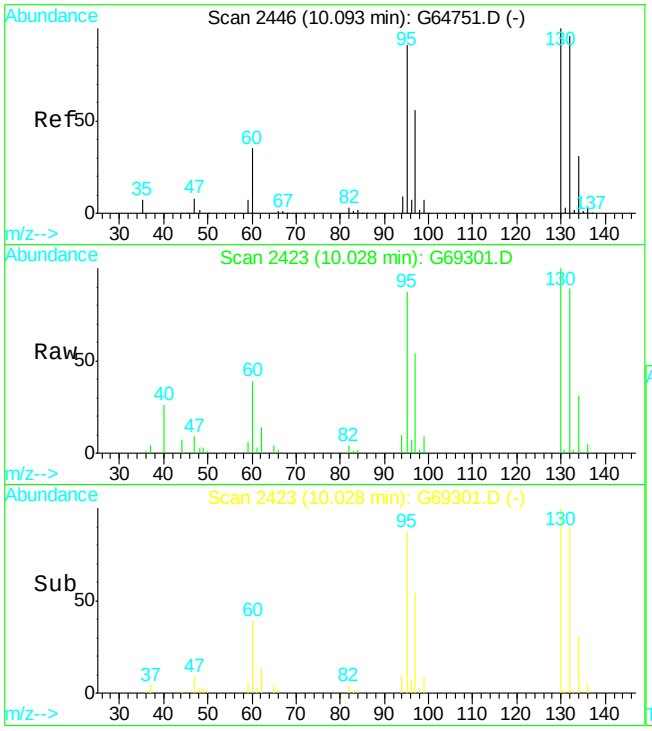




#42
1,1,1-trichloroethane
Concen: 1.91 ppb
RT: 9.02 min Scan# 2059
Delta R.T. 0.00 min
Lab File: G69301.D
Acq: 30 Apr 2007 7:48 pm

Tgt Ion: 97 Resp: 10238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 68.6 | 33.7 | 93.7 |
| 61 | 41.4 | 14.3 | 74.3 |

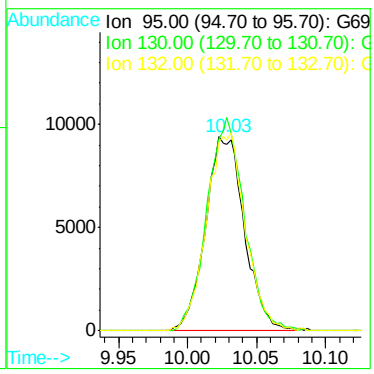


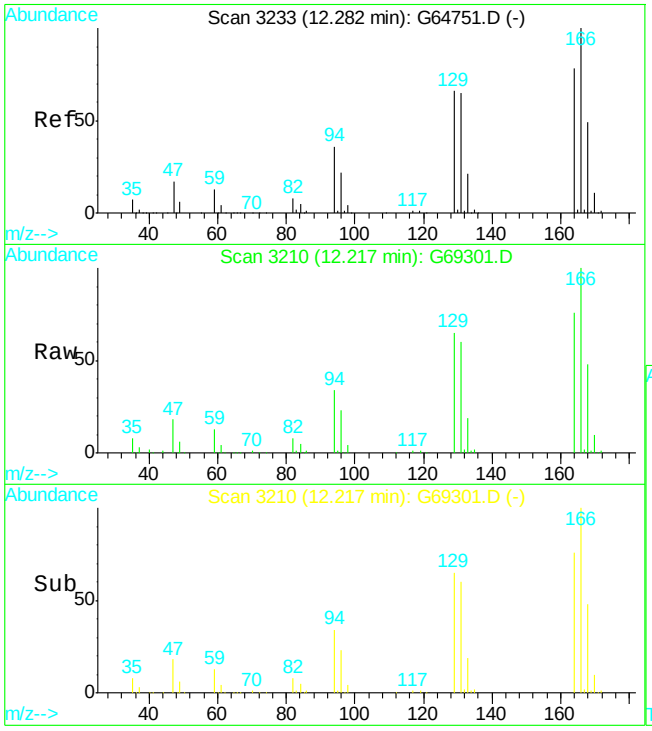



#51
trichloroethene
Concen: 5.00 ppb
RT: 10.03 min Scan# 2423
Delta R.T. 0.00 min
Lab File: G69301.D
Acq: 30 Apr 2007 7:48 pm

Tgt Ion: 95 Resp: 18340

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 130 | 114.5 | 70.8 | 130.8 |
| 132 | 102.3 | 69.6 | 129.6 |

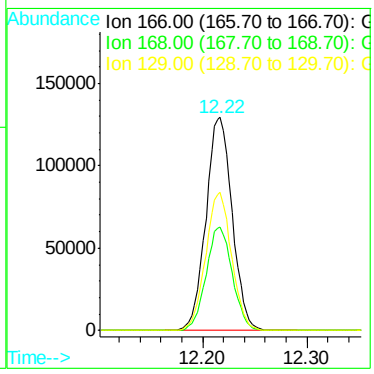



#67
tetrachloroethene
Concen: 49.73 ppb
RT: 12.22 min Scan# 3210
Delta R.T. -0.00 min
Lab File: G69301.D
Acq: 30 Apr 2007 7:48 pm

Tgt Ion:166 Resp: 226078

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 168 | 48.4 | 19.5 | 79.5 |
| 129 | 64.9 | 34.6 | 94.6 |



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p17202.D
Acq On : 26 Apr 2007 12:34 pm
Operator : amym
Sample : m64162-30
Misc : ms13438,msp589,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 27 09:56:20 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 25 09:57:54 2007
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 6.620 | 65 | 123540 | 500.00 | ug/L | 0.03 |
| 3) pentafluorobenzene | 9.003 | 168 | 126927 | 50.00 | ug/L | 0.00 |
| 42) 1,4-difluorobenzene | 9.875 | 114 | 216018 | 50.00 | ug/L | 0.00 |
| 65) chlorobenzene-d5 | 13.131 | 82 | 138511 | 50.00 | ug/L | 0.00 |
| 79) 1,4-dichlorobenzene-d4 | 15.691 | 152 | 104151 | 50.00 | ug/L | 0.00 |

System Monitoring Compounds

| | | | | | | |
|---|---|---|---|---|---|---|
| 39) dibromofluoromethane (s) | 8.647 | 113 | 76645 | 52.73 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 85 - 129 | | Recovery = 105.46% | | | |
| 59) toluene-d8 (s) | 11.673 | 98 | 277012 | 50.77 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 101.54% | | | |
| 81) bromofluorobenzene (s) | 14.357 | 95 | 121219 | 47.85 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 119 | | Recovery = 95.70% | | | |

| Target Compounds | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 16) acetone | 6.224 | 43 | 3428 | 6.79 | ug/L | 73 |

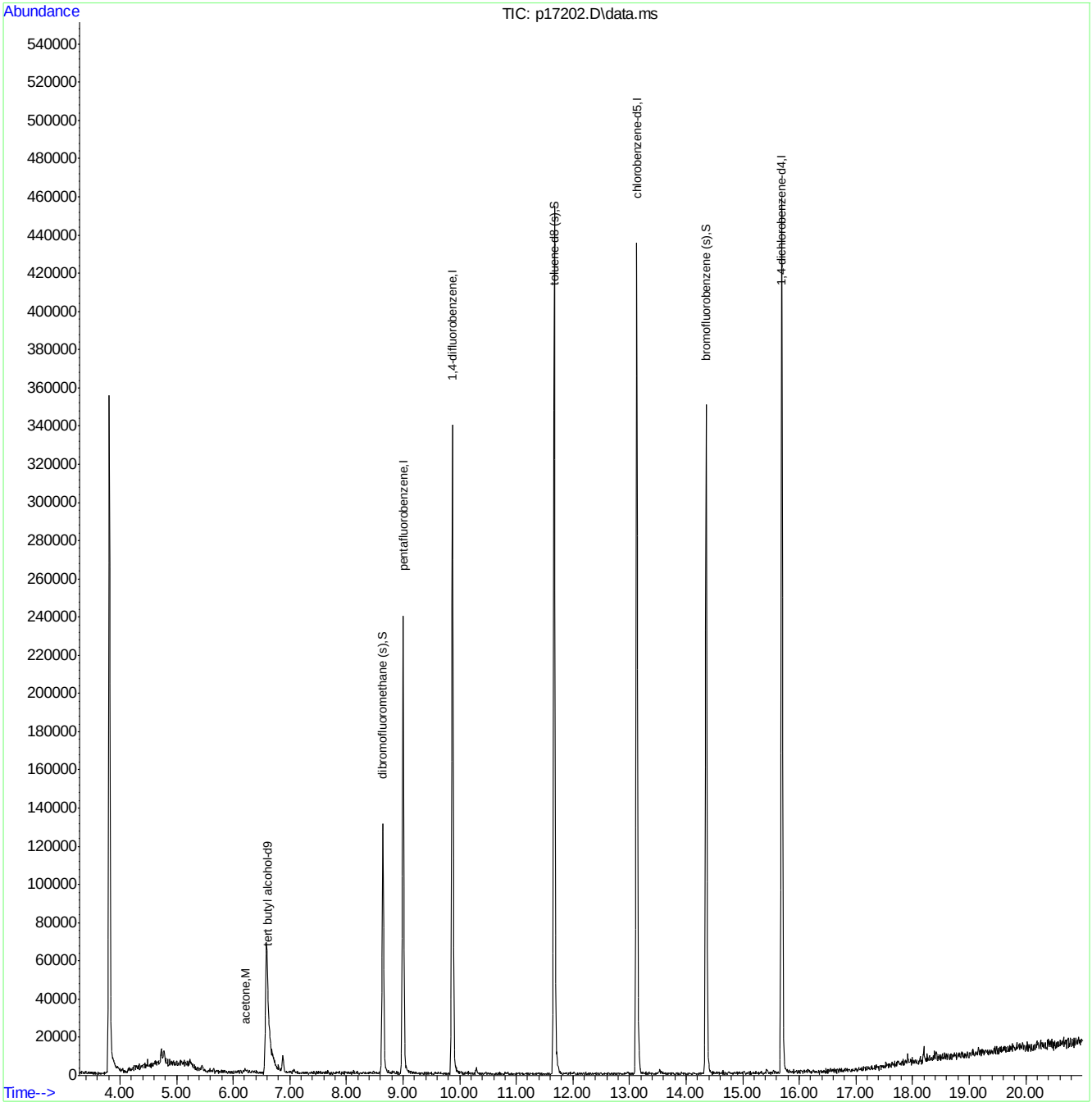
(#) = qualifier out of range (m) = manual integration (+) = signals summed

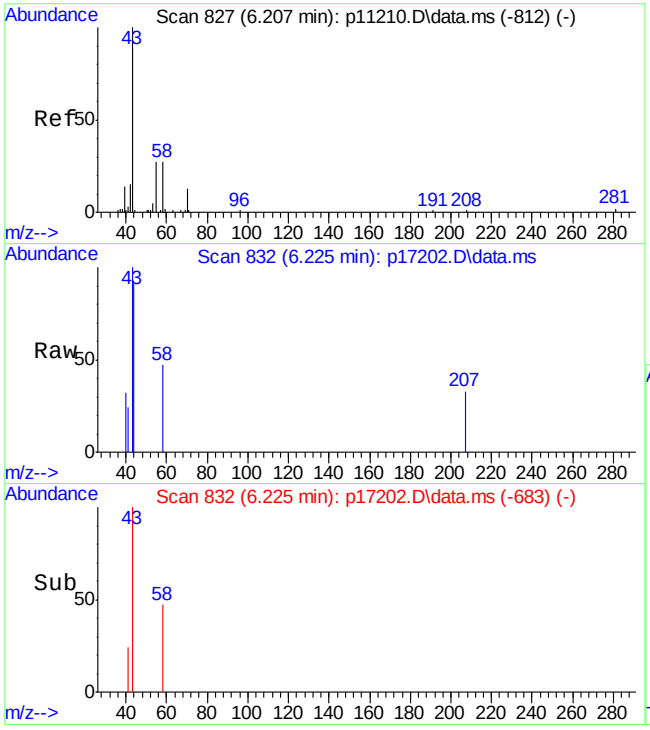
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p17202.D
Acq On : 26 Apr 2007 12:34 pm
Operator : amym
Sample : m64162-30
Misc : ms13438,msp589,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 27 09:56:20 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 25 09:57:54 2007
Response via : Initial Calibration



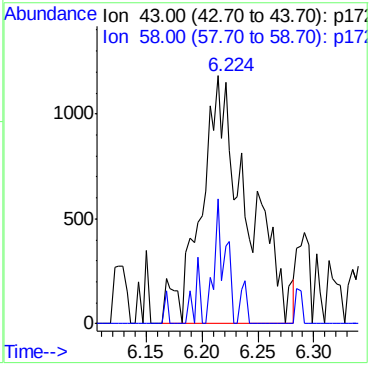





#16
acetone
Concen: 6.79 ug/L
RT: 6.224 min Scan# 832
Delta R.T. 0.026 min
Lab File: p17202.D
Acq: 26 Apr 2007 12:34 pm

Tgt Ion: 43 Resp: 3428

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 47.4 | 2.4 | 62.4 |



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p17201.D
Acq On : 26 Apr 2007 12:05 pm
Operator : amym
Sample : mb
Misc : ms13435,msp589,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 27 09:55:10 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 25 09:57:54 2007
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 6.624 | 65 | 120837 | 500.00 ug/L | 0.03 |
| 3) pentafluorobenzene | 9.003 | 168 | 130497 | 50.00 ug/L | 0.00 |
| 42) 1,4-difluorobenzene | 9.875 | 114 | 224520 | 50.00 ug/L | 0.00 |
| 65) chlorobenzene-d5 | 13.131 | 82 | 141850 | 50.00 ug/L | 0.00 |
| 79) 1,4-dichlorobenzene-d4 | 15.692 | 152 | 105053 | 50.00 ug/L | 0.00 |

System Monitoring Compounds

| | | | | | |
|---|---|---|---|---|---|
| 39) dibromofluoromethane (s) | 8.646 | 113 | 76741 | 51.36 ug/L | 0.00 |
| Spiked Amount 50.000 | Range 85 - 129 | | Recovery = 102.72% | | |
| 59) toluene-d8 (s) | 11.673 | 98 | 283306 | 49.96 ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 99.92% | | |
| 81) bromofluorobenzene (s) | 14.357 | 95 | 127443 | 49.87 ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 119 | | Recovery = 99.74% | | |

Target Compounds Qvalue

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



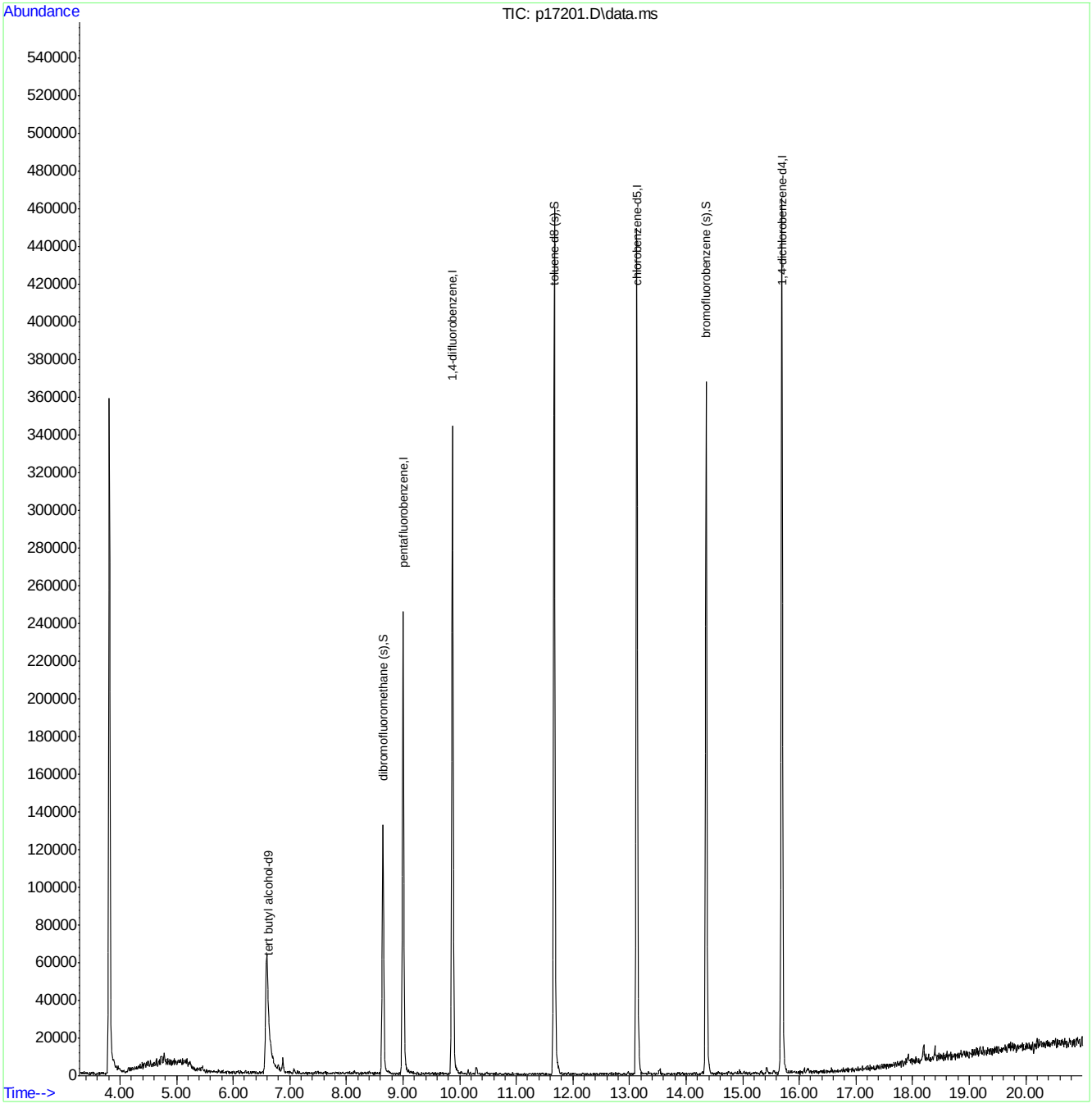
ACCUTEST Laboratories M64162

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p17201.D
Acq On : 26 Apr 2007 12:05 pm
Operator : amym
Sample : mb
Misc : ms13435,msp589,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 27 09:55:10 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 25 09:57:54 2007
Response via : Initial Calibration






P041707w.M Fri Apr 27 09:55:17 2007 RP



ACCUTEST Laboratories
M64162

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18885.D Vial: 21
Acq On : 26 Apr 2007 12:58 pm Operator: alit
Sample : MB Inst : MAMSN
Misc : ms13439,msn683,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 27 08:58:54 2007 Quant Results File: N042007W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Apr 25 10:27:30 2007
Response via : Initial Calibration
DataAcq Meth : N8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 5.86 | 65 | 71104 | 500.00 | ug/L | 0.00 |
| 3) pentafluorobenzene | 8.28 | 168 | 126024 | 50.00 | ug/L | 0.00 |
| 43) 1,4-difluorobenzene | 9.14 | 114 | 176368 | 50.00 | ug/L | 0.00 |
| 66) chlorobenzene-d5 | 12.38 | 82 | 94718 | 50.00 | ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 14.94 | 152 | 107655 | 50.00 | ug/L | 0.00 |

System Monitoring Compounds

| | | | | | | |
|---|---|---|---|---|---|---|
| 40) dibromofluoromethane (s) | 7.90 | 113 | 65899 | 55.06 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 84 - 129 | | Recovery = 110.12% | | | |
| 60) toluene-d8 (s) | 10.93 | 98 | 229392 | 51.79 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 103.58% | | | |
| 82) bromofluorobenzene (s) | 13.61 | 95 | 89985 | 52.87 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 82 - 118 | | Recovery = 105.74% | | | |

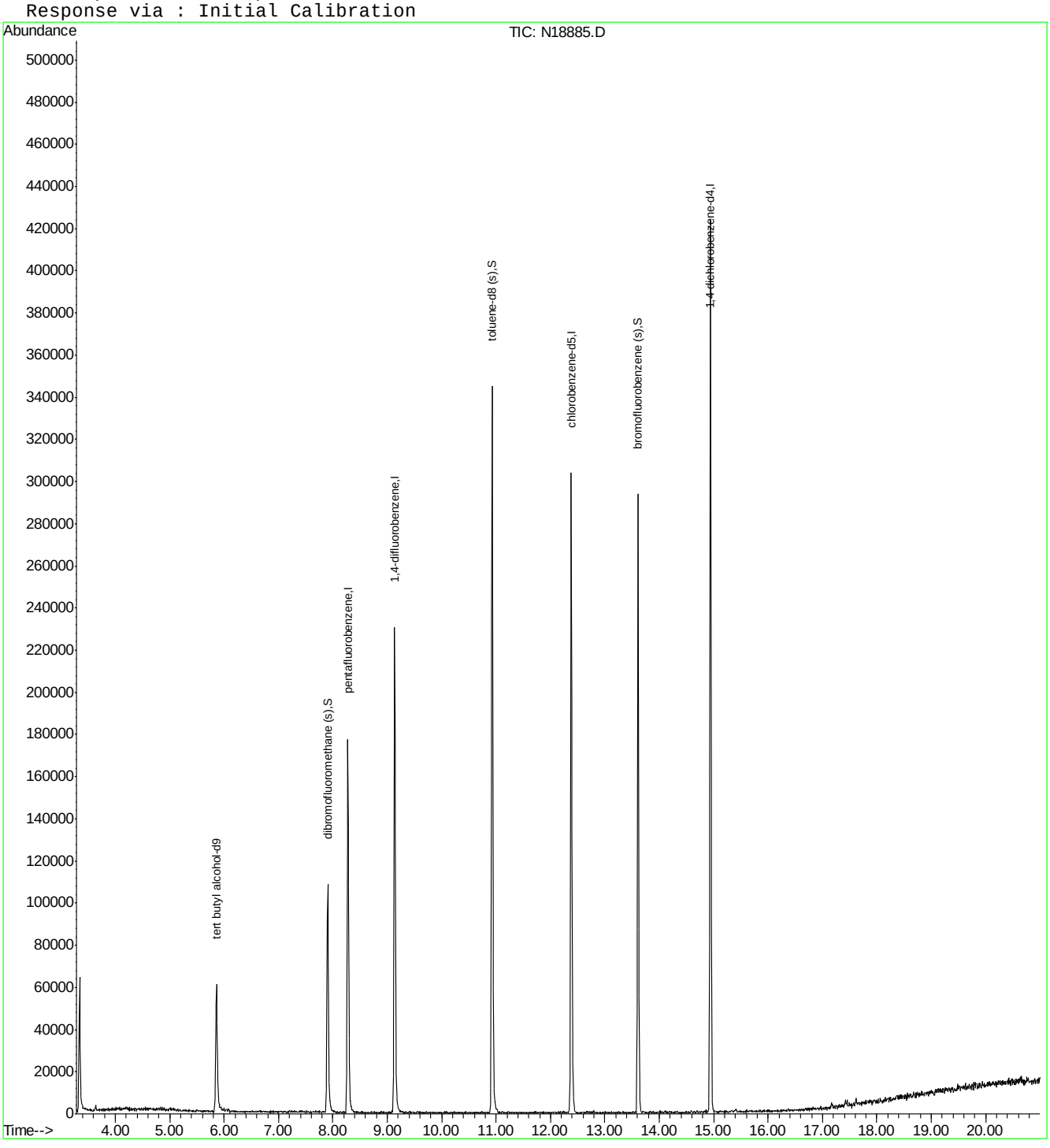
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18885.D Vial: 21
Acq On : 26 Apr 2007 12:58 pm Operator: alit
Sample : MB Inst : MAMSN
Misc : ms13439,msn683,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 27 8:58 2007 Quant Results File: N042007W.RES

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Apr 25 10:27:30 2007
Response via : Initial Calibration




N18885.D N042007W.M Fri Apr 27 09:52:42 2007 RP1 Page 2

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18912.D Vial: 21
Acq On : 27 Apr 2007 12:01 pm Operator: alit
Sample : MB Inst : MAMSN
Misc : ms13439,msn684,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 27 16:33:52 2007 Quant Results File: N042007W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Apr 25 10:27:30 2007
Response via : Initial Calibration
DataAcq Meth : N8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 5.86 | 65 | 56399 | 500.00 | ug/L | 0.00 |
| 3) pentafluorobenzene | 8.27 | 168 | 112903 | 50.00 | ug/L | 0.00 |
| 43) 1,4-difluorobenzene | 9.14 | 114 | 157756 | 50.00 | ug/L | 0.00 |
| 66) chlorobenzene-d5 | 12.38 | 82 | 85351 | 50.00 | ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 14.94 | 152 | 97706 | 50.00 | ug/L | 0.00 |

System Monitoring Compounds

| | | | | | | |
|---|---|---|---|---|---|---|
| 40) dibromofluoromethane (s) | 7.90 | 113 | 62355 | 58.16 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 84 - 129 | | Recovery = 116.32% | | | |
| 60) toluene-d8 (s) | 10.93 | 98 | 205277 | 51.82 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 103.64% | | | |
| 82) bromofluorobenzene (s) | 13.61 | 95 | 81755 | 52.92 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 82 - 118 | | Recovery = 105.84% | | | |

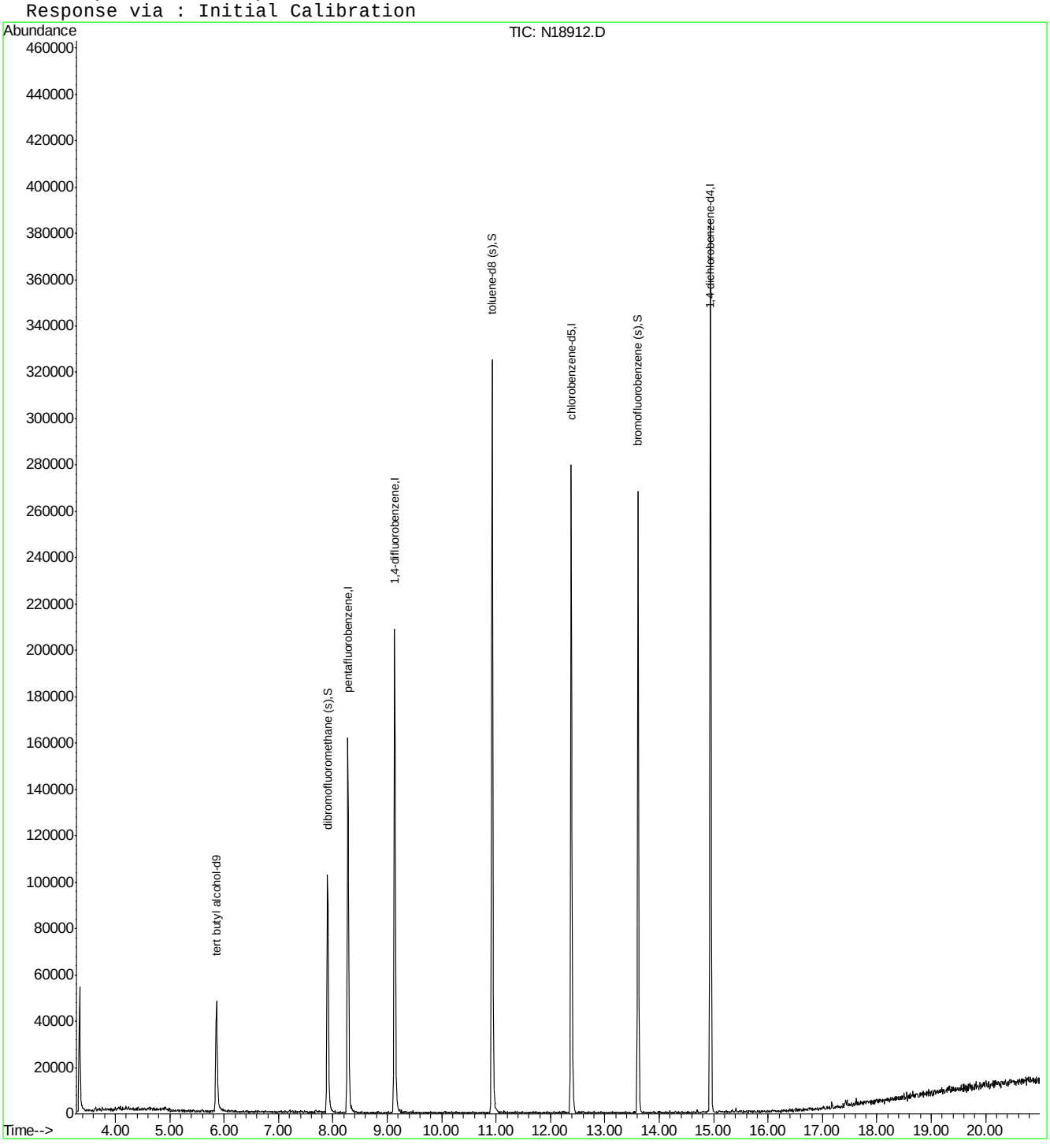
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18912.D Vial: 21
Acq On : 27 Apr 2007 12:01 pm Operator: alit
Sample : MB Inst : MAMSN
Misc : ms13439,msn684,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 27 16:35 2007 Quant Results File: N042007W.RES

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Apr 25 10:27:30 2007
Response via : Initial Calibration




N18912.D N042007W.M Sat Apr 28 10:47:51 2007 RP1 Page 2

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69219.D Vial: 5
Acq On : 27 Apr 2007 2:26 pm Operator: kimt
Sample : MB Inst : 5973 G
Misc : MS13436,MSG2784,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 27 15:37 2007 Quant Results File: G042507W.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration
DataAcq Meth : G8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 6.47 | 65 | 114536 | 500.00 | ppb | 0.05 |
| 3) pentafluorobenzene | 8.74 | 168 | 396286 | 50.00 | ppb | 0.00 |
| 43) 1,4-difluorobenzene | 9.61 | 114 | 553868 | 50.00 | ppb | 0.00 |
| 66) chlorobenzene-d5 | 12.86 | 82 | 287752 | 50.00 | ppb | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 15.42 | 152 | 325264 | 50.00 | ppb | 0.00 |

System Monitoring Compounds

| | | | | | | |
|---|---|---|---|---|---|---|
| 40) dibromofluoromethane (s) | 8.38 | 113 | 173556 | 50.59 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 83 - 127 | | Recovery = 101.18% | | | |
| 60) toluene-d8 (s) | 11.41 | 98 | 681893 | 50.63 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 89 - 112 | | Recovery = 101.26% | | | |
| 82) bromofluorobenzene (s) | 14.09 | 95 | 263029 | 49.27 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 81 - 119 | | Recovery = 98.54% | | | |

Target Compounds Qvalue

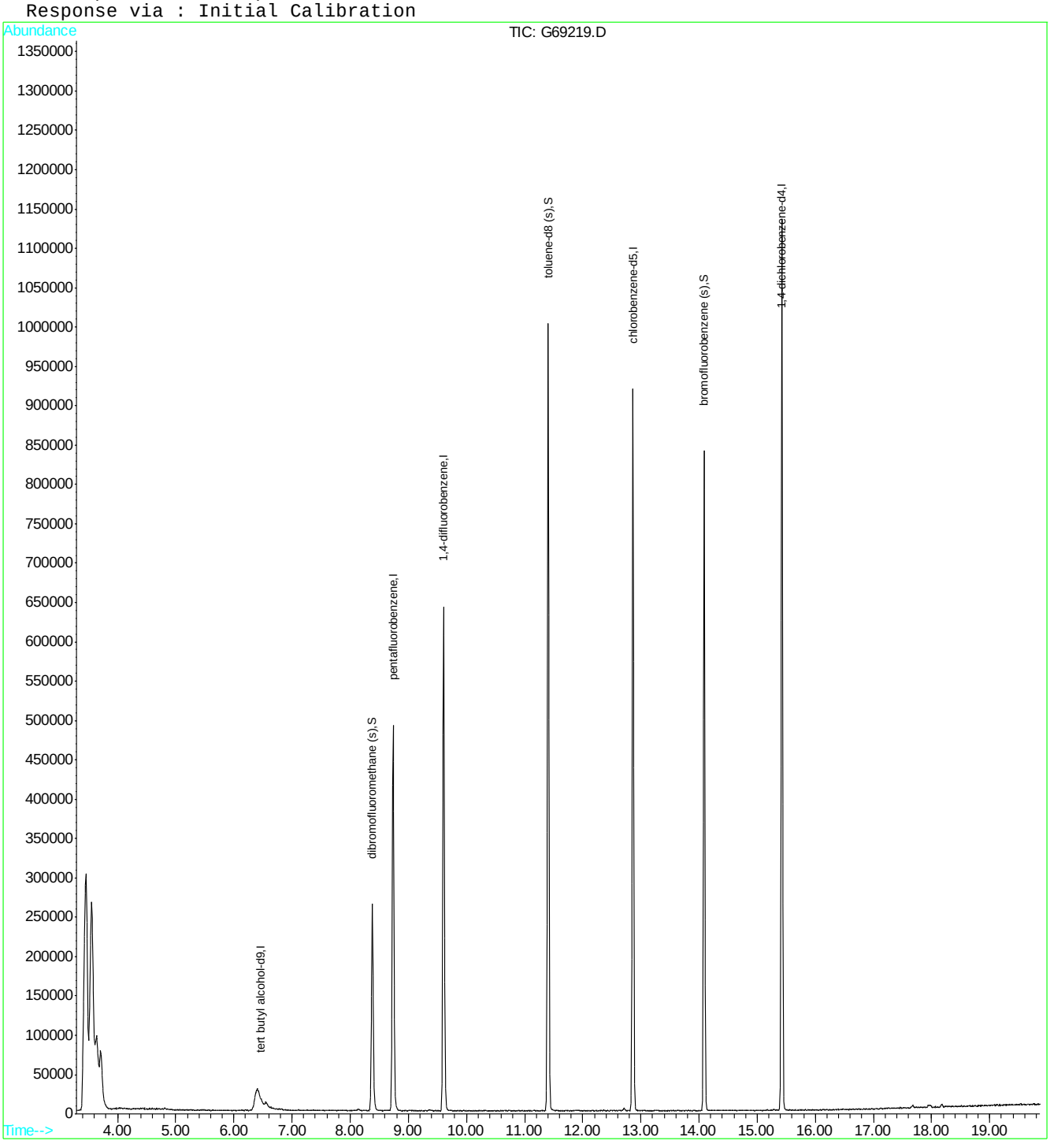
(#) = qualifier out of range (m) = manual integration
G69219.D G042507W.M Fri Apr 27 15:37:54 2007 RP1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\G69219.D
Acq On : 27 Apr 2007 2:26 pm
Sample : MB
Misc : MS13436,MSG2784,,,,5,1
MS Integration Params: RTEINT.P
Quant Time: Apr 27 15:37 2007

Vial: 5
Operator: kimt
Inst : 5973 G
Multiplr: 1.00
Quant Results File: G042507W.RES

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration










ACCUTEST Laboratories M64162

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69291.D Vial: 6
Acq On : 30 Apr 2007 3:23 pm Operator: kimt
Sample : MB Inst : 5973 G
Misc : MS13447,MSG2785,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 16:01 2007 Quant Results File: G042507W.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration
DataAcq Meth : G8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 6.57 | 65 | 89447 | 500.00 | ppb | 0.16 |
| 3) pentafluorobenzene | 8.74 | 168 | 445850 | 50.00 | ppb | 0.00 |
| 43) 1,4-difluorobenzene | 9.61 | 114 | 609525 | 50.00 | ppb | 0.00 |
| 66) chlorobenzene-d5 | 12.86 | 82 | 307130 | 50.00 | ppb | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 15.42 | 152 | 356231 | 50.00 | ppb | 0.00 |

System Monitoring Compounds

| | | | | | | |
|---|---|---|---|---|---|---|
| 40) dibromofluoromethane (s) | 8.38 | 113 | 189895 | 49.20 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 83 - 127 | | Recovery = 98.40% | | | |
| 60) toluene-d8 (s) | 11.40 | 98 | 738091 | 49.79 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 89 - 112 | | Recovery = 99.58% | | | |
| 82) bromofluorobenzene (s) | 14.09 | 95 | 283075 | 48.42 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 81 - 119 | | Recovery = 96.84% | | | |

Target Compounds Qvalue

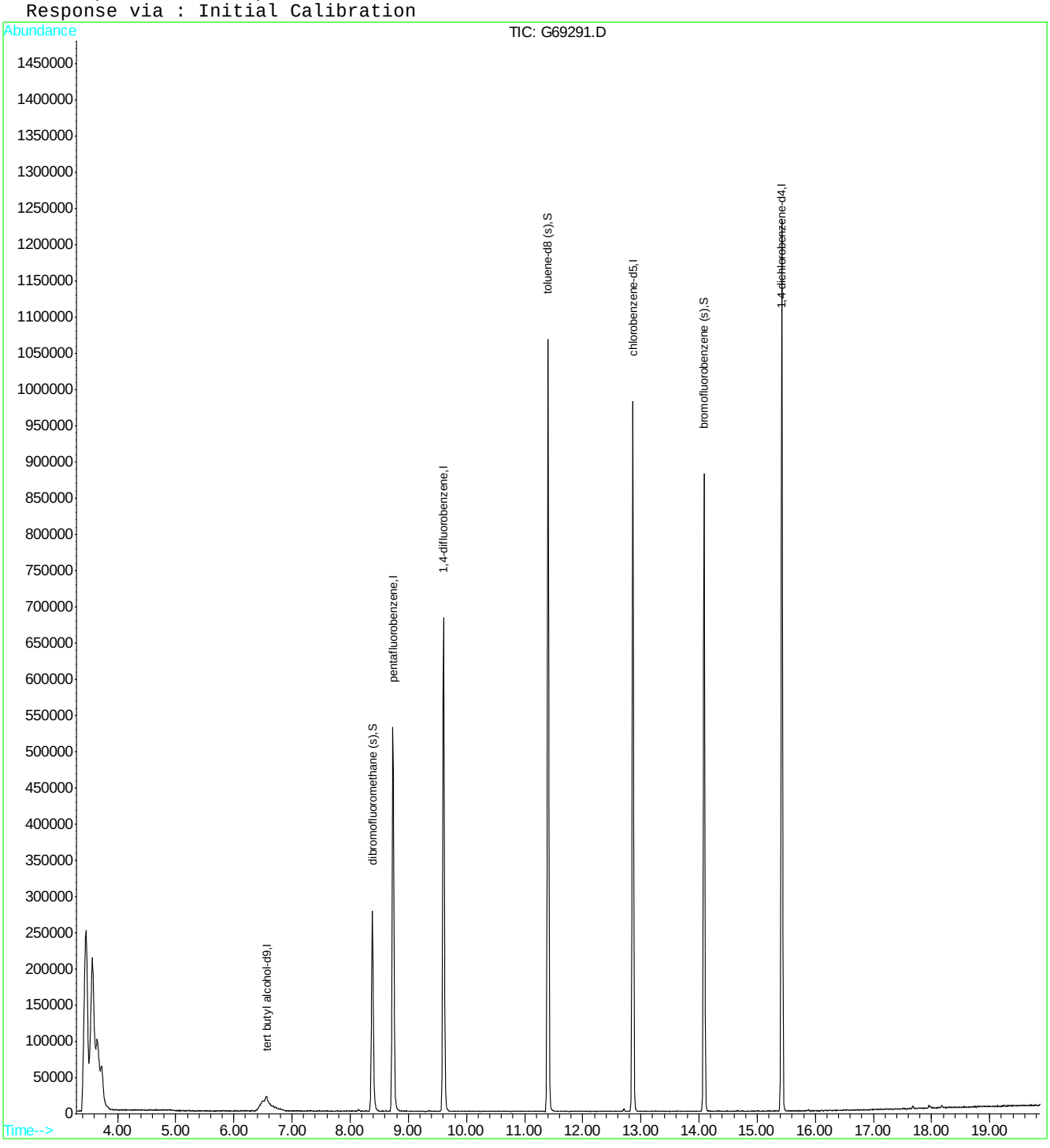
(#) = qualifier out of range (m) = manual integration
G69291.D G042507W.M Mon Apr 30 16:01:27 2007 RP1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\G69291.D
Acq On : 30 Apr 2007 3:23 pm
Sample : MB
Misc : MS13447,MSG2785,,,,5,1
MS Integration Params: RTEINT.P
Quant Time: Apr 30 16:01 2007

Vial: 6
Operator: kimt
Inst : 5973 G
Multiplr: 1.00
Quant Results File: G042507W.RES

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration




G69291.D G042507W.M Mon Apr 30 16:01:28 2007 RP1 Page 2

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani
05/01/07 10:17

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p17198.D
Acq On : 26 Apr 2007 10:38 am
Operator : amym
Sample : bs
Misc : ms13435,msp589,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 27 12:23:55 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Apr 27 11:51:32 2007
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 6.604 | 65 | 136087 | 500.00 | ug/L | 0.01 |
| 3) pentafluorobenzene | 8.998 | 168 | 154669 | 50.00 | ug/L | 0.00 |
| 42) 1,4-difluorobenzene | 9.870 | 114 | 256795 | 50.00 | ug/L | 0.00 |
| 65) chlorobenzene-d5 | 13.126 | 82 | 169150 | 50.00 | ug/L | 0.00 |
| 79) 1,4-dichlorobenzene-d4 | 15.690 | 152 | 131535 | 50.00 | ug/L | 0.00 |

System Monitoring Compounds

| | | | | | | |
|---|---|---|---|---|---|---|
| 39) dibromofluoromethane (s) | 8.643 | 113 | 91429 | 51.62 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 85 - 129 | | Recovery = 103.24% | | | |
| 59) toluene-d8 (s) | 11.668 | 98 | 322521 | 49.72 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 99.44% | | | |
| 81) bromofluorobenzene (s) | 14.353 | 95 | 157614 | 49.26 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 119 | | Recovery = 98.52% | | | |

| Target Compounds | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 2) tertiary butyl alcohol | 6.681 | 59 | 206268 | 458.64 | ug/L # | 80 |
| 4) Ethanol | 5.481 | 45 | 257968 | 6039.66 | ug/L # | 100 |
| 5) dichlorodifluoromethane | 4.239 | 85 | 70511 | 28.56 | ug/L | 95 |
| 6) chloromethane | 4.492 | 50 | 137184 | 45.22 | ug/L | 95 |
| 7) vinyl chloride | 4.740 | 62 | 105216 | 43.80 | ug/L | 96 |
| 8) bromomethane | 5.243 | 96 | 57648 | 39.32 | ug/L | 94 |
| 9) chloroethane | 5.409 | 64 | 63824 | 44.73 | ug/L | 92 |
| 10) ethyl ether | 6.302 | 59 | 112970 | 57.14 | ug/L | 67 |
| 11) acetonitrile | 5.955 | 41 | 104846 | 113.97 | ug/L | 94 |
| 12) trichlorofluoromethane | 6.061 | 101 | 157287 | 54.46 | ug/L | 99 |
| 13) freon-113 | 6.835 | 101 | 65989 | 46.38 | ug/L | 79 |
| 14) acrolein | 6.065 | 56 | 199941 | 309.99 | ug/L | 100 |
| 15) 1,1-dichloroethene | 6.648 | 96 | 79866 | 50.34 | ug/L # | 23 |
| 16) acetone | 6.200 | 43 | 62656 | 64.44 | ug/L | 84 |
| 17) Methyl Acetate | 6.838 | 43 | 253517 | 77.32 | ug/L # | 80 |
| 18) methylene chloride | 6.797 | 84 | 111339 | 58.82 | ug/L # | 33 |
| 19) methyl tert butyl ether | 7.583 | 73 | 281512 | 59.04 | ug/L | 81 |
| 20) acrylonitrile | 6.706 | 53 | 332652 | 290.90 | ug/L | 99 |
| 21) allyl chloride | 6.891 | 41 | 121985 | 49.34 | ug/L | 65 |
| 22) trans-1,2-dichloroethene | 7.492 | 96 | 81512 | 46.48 | ug/L # | 57 |
| 23) iodomethane | 6.714 | 142 | 25798 | 41.09 | ug/L | 65 |
| 24) carbon disulfide | 7.078 | 76 | 211858 | 42.07 | ug/L | 100 |
| 25) propionitrile | 7.775 | 54 | 27987 | 65.60 | ug/L | 100 |
| 26) vinyl acetate | 7.851 | 43 | 36605 | 42.86 | ug/L | 86 |
| 27) chloroprene | 8.111 | 53 | 173517 | 53.40 | ug/L # | 59 |
| 28) di-isopropyl ether | 8.147 | 45 | 511123 | 58.27 | ug/L | 80 |
| 29) methacrylonitrile | 8.270 | 41 | 112545 | 58.94 | ug/L # | 75 |
| 30) 2-butanone | 8.164 | 72 | 15966 | 61.77 | ug/L # | 1 |
| 31) Hexane | 8.136 | 41 | 178816 | 49.84 | ug/L # | 70 |
| 32) 1,1-dichloroethane | 7.745 | 63 | 185992 | 47.40 | ug/L | 95 |
| 33) tert-butyl ethyl ether | 8.543 | 59 | 260667 | 43.85 | ug/L | 85 |
| 34) isobutyl alcohol | 8.540 | 43 | 36153 | 194.25 | ug/L # | 1 |
| 35) 2,2-dichloropropane | 8.603 | 77 | 36686 | 27.64 | ug/L | 92 |
| 36) cis-1,2-dichloroethene | 8.317 | 96 | 96481 | 47.91 | ug/L # | 59 |
| 37) bromochloromethane | 8.483 | 128 | 38807 | 48.75 | ug/L # | 12 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p17198.D
Acq On : 26 Apr 2007 10:38 am
Operator : amym
Sample : bs
Misc : ms13435,msp589,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 27 12:23:55 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Apr 27 11:51:32 2007
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 38) chloroform | 8.521 | 83 | 197567 | 50.94 ug/L | 88 |
| 40) Tetrahydrofuran | 8.859 | 42 | 53884 | 59.41 ug/L | 59 |
| 41) 1,1,1-trichloroethane | 9.271 | 97 | 149293 | 48.98 ug/L | 90 |
| 43) Cyclohexane | 9.555 | 56 | 156021 | 44.26 ug/L # | 63 |
| 44) carbon tetrachloride | 9.636 | 117 | 119705 | 46.80 ug/L | 99 |
| 45) 1,1-dichloropropene | 9.446 | 75 | 117879 | 48.09 ug/L | 91 |
| 46) benzene | 9.673 | 78 | 342112 | 46.53 ug/L | 98 |
| 47) 1,2-dichloroethane | 9.172 | 62 | 215920 | 52.77 ug/L | 87 |
| 48) tert-amyl methyl ether | 9.789 | 73 | 219839 | 51.38 ug/L | 78 |
| 49) heptane | 10.147 | 43 | 118937 | 47.47 ug/L # | 71 |
| 50) trichloroethene | 10.291 | 95 | 102938 | 49.47 ug/L # | 67 |
| 51) 1,2-dichloropropane | 10.258 | 63 | 102240 | 47.65 ug/L | 96 |
| 52) dibromomethane | 10.232 | 93 | 66404 | 51.56 ug/L # | 73 |
| 53) bromodichloromethane | 10.344 | 83 | 156509 | 54.64 ug/L | 98 |
| 54) Methylcyclohexane | 10.808 | 83 | 99463 | 43.89 ug/L # | 62 |
| 56) methyl methacrylate | 10.438 | 69 | 65818 | 48.42 ug/L # | 28 |
| 57) 1,4-dioxane | 10.474 | 88 | 8467m | 309.13 ug/L | |
| 58) cis-1,3-dichloropropene | 10.962 | 75 | 107650 | 40.53 ug/L | 85 |
| 60) 4-methyl-2-pentanone | 11.063 | 43 | 181534 | 56.02 ug/L | 82 |
| 61) toluene | 11.741 | 92 | 227648 | 48.72 ug/L | 98 |
| 62) trans-1,3-dichloropropene | 11.381 | 75 | 90391 | 38.96 ug/L | 87 |
| 63) 1,1,2-trichloroethane | 11.554 | 83 | 77975 | 48.94 ug/L | 99 |
| 64) ethyl methacrylate | 11.757 | 69 | 108458 | 46.08 ug/L # | 49 |
| 66) tetrachloroethene | 12.481 | 166 | 79990 | 45.45 ug/L | 89 |
| 67) 1,3-dichloropropane | 11.789 | 76 | 163531 | 46.03 ug/L | 95 |
| 68) dibromochloromethane | 12.081 | 129 | 108349 | 55.22 ug/L | 95 |
| 69) 1,2-dibromoethane | 12.334 | 107 | 95601 | 47.76 ug/L | 97 |
| 70) 2-hexanone | 11.920 | 43 | 135236 | 52.37 ug/L | 79 |
| 71) chlorobenzene | 13.162 | 112 | 246015 | 47.09 ug/L | 86 |
| 72) 1,1,1,2-tetrachloroethane | 13.080 | 131 | 92098 | 52.37 ug/L | 93 |
| 73) ethylbenzene | 13.336 | 91 | 448495 | 50.18 ug/L | 88 |
| 74) m,p-xylene | 13.521 | 106 | 308281 | 101.36 ug/L # | 71 |
| 75) o-xylene | 13.934 | 106 | 156037 | 52.65 ug/L | 82 |
| 76) styrene | 13.861 | 104 | 254057 | 48.19 ug/L | 78 |
| 77) bromoform | 13.687 | 173 | 74143 | 49.96 ug/L | 84 |
| 78) trans-1,4-dichloro-2-b... | 14.083 | 53 | 12793 | 43.82 ug/L # | 76 |
| 80) isopropylbenzene | 14.296 | 105 | 337307 | 49.51 ug/L | 93 |
| 82) bromobenzene | 14.586 | 156 | 102265 | 47.26 ug/L # | 69 |
| 83) 1,1,2,2-tetrachloroethane | 13.936 | 83 | 134791 | 45.51 ug/L | 98 |
| 84) 1,2,3-trichloropropane | 14.083 | 75 | 135121 | 46.92 ug/L | 99 |
| 85) n-propylbenzene | 14.742 | 91 | 485783 | 50.97 ug/L | 89 |
| 86) 2-chlorotoluene | 14.862 | 91 | 338046 | 50.35 ug/L | 82 |
| 87) 4-chlorotoluene | 14.937 | 91 | 350581 | 51.94 ug/L | 85 |
| 88) 1,3,5-trimethylbenzene | 15.019 | 105 | 337243 | 51.62 ug/L | 87 |
| 89) tert-butylbenzene | 15.326 | 91 | 213445 | 50.65 ug/L # | 67 |
| 90) 1,2,4-trimethylbenzene | 15.429 | 105 | 369551 | 52.63 ug/L | 91 |
| 91) sec-butylbenzene | 15.547 | 105 | 374389 | 49.91 ug/L | 95 |
| 92) 1,3-dichlorobenzene | 15.651 | 146 | 193481 | 48.67 ug/L | 92 |
| 93) p-isopropyltoluene | 15.718 | 119 | 312472 | 47.86 ug/L | 91 |
| 94) 1,4-dichlorobenzene | 15.718 | 146 | 197799 | 46.38 ug/L | 94 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p17198.D
Acq On : 26 Apr 2007 10:38 am
Operator : amym
Sample : bs
Misc : ms13435,msp589,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 27 12:23:55 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Apr 27 11:51:32 2007
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 95) 1,2-dichlorobenzene | 16.087 | 146 | 193785 | 50.36 ug/L | 95 |
| 96) n-butylbenzene | 16.136 | 91 | 333574 | 50.17 ug/L | 80 |
| 97) 1,2-dibromo-3-chloropr... | 16.564 | 75 | 37581 | 49.37 ug/L # | 45 |
| 98) 1,2,4-trichlorobenzene | 17.916 | 180 | 130079 | 52.68 ug/L | 91 |
| 99) hexachlorobutadiene | 18.204 | 225 | 44125 | 44.72 ug/L | 77 |
| 100) naphthalene | 18.186 | 128 | 418471 | 56.11 ug/L | 100 |
| 101) 1,2,3-trichlorobenzene | 18.390 | 180 | 130371 | 52.05 ug/L | 95 |

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

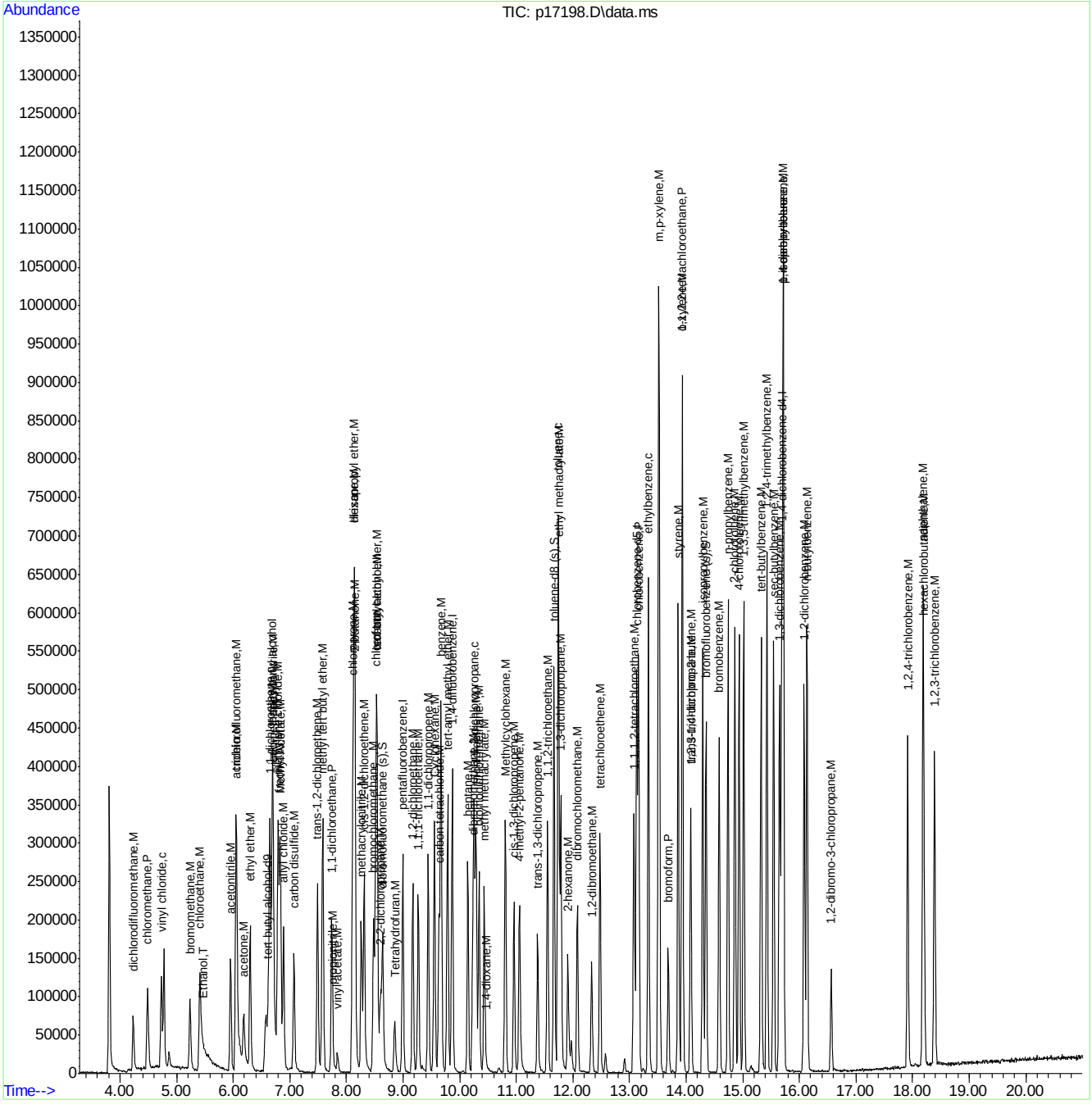
6.3.1

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p17198.D
Acq On : 26 Apr 2007 10:38 am
Operator : amym
Sample : bs
Misc : ms13435,msp589,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 27 12:23:55 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Apr 27 11:51:32 2007
Response via : Initial Calibration









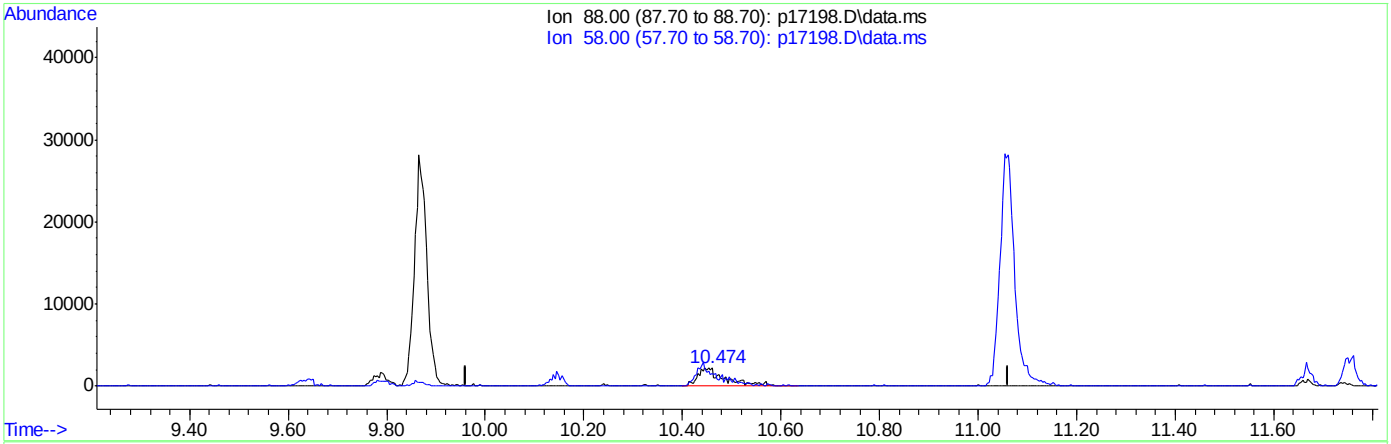

ACCUTEST Laboratories M64162

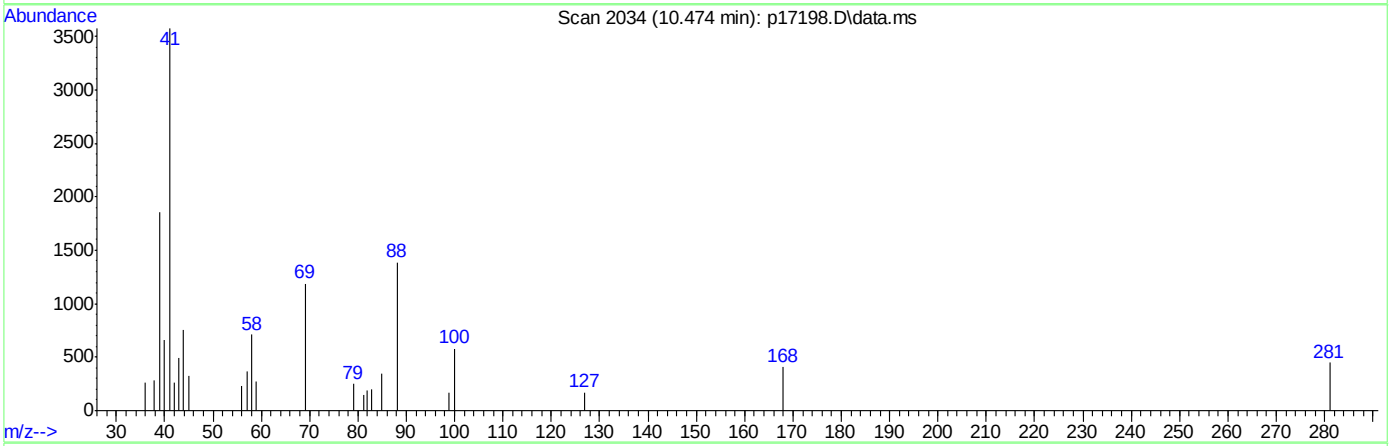
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : p17198.D
Acq On : 26 Apr 2007 10:38 am
Operator : amym
Sample : bs
Misc : ms13435,msp589,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 27 12:23:19 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Apr 27 11:51:32 2007
Response via : Initial Calibration






(57) 1,4-dioxane (M)

10.474min (+0.002) 309.13ug/L m

response 8467

| Ion | Exp% | Act% |
|---|---|---|
| 88.00 | 100 | 100 |
| 58.00 | 60.20 | 51.26 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani 05/01/07 10:17

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p17199.D
Acq On : 26 Apr 2007 11:07 am
Operator : amym
Sample : bsd
Misc : ms13435,msp589,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 27 12:25:00 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Apr 27 11:51:32 2007
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 6.610 | 65 | 136586 | 500.00 | ug/L | 0.02 |
| 3) pentafluorobenzene | 9.002 | 168 | 152994 | 50.00 | ug/L | 0.00 |
| 42) 1,4-difluorobenzene | 9.873 | 114 | 249999 | 50.00 | ug/L | 0.00 |
| 65) chlorobenzene-d5 | 13.127 | 82 | 166147 | 50.00 | ug/L | 0.00 |
| 79) 1,4-dichlorobenzene-d4 | 15.689 | 152 | 130810 | 50.00 | ug/L | 0.00 |

System Monitoring Compounds

| | | | | | | |
|---|---|---|---|---|---|---|
| 39) dibromofluoromethane (s) | 8.647 | 113 | 92887 | 53.02 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 85 - 129 | | Recovery = 106.04% | | | |
| 59) toluene-d8 (s) | 11.670 | 98 | 319899 | 50.66 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 101.32% | | | |
| 81) bromofluorobenzene (s) | 14.354 | 95 | 155768 | 48.95 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 119 | | Recovery = 97.90% | | | |

Target Compounds

| | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 2) tertiary butyl alcohol | 6.684 | 59 | 203942 | 451.81 | ug/L # | 83 |
| 4) Ethanol | 5.504 | 45 | 281524 | 6558.45 | ug/L # | 100 |
| 5) dichlorodifluoromethane | 4.239 | 85 | 72792 | 29.80 | ug/L | 100 |
| 6) chloromethane | 4.493 | 50 | 135372 | 45.11 | ug/L | 97 |
| 7) vinyl chloride | 4.742 | 62 | 106745 | 44.92 | ug/L | 97 |
| 8) bromomethane | 5.244 | 96 | 59275 | 41.00 | ug/L | 99 |
| 9) chloroethane | 5.411 | 64 | 67128 | 47.56 | ug/L | 92 |
| 10) ethyl ether | 6.306 | 59 | 116762 | 59.70 | ug/L | 65 |
| 11) acetonitrile | 5.958 | 41 | 99205 | 108.32 | ug/L | 98 |
| 12) trichlorofluoromethane | 6.064 | 101 | 159520 | 55.84 | ug/L | 95 |
| 13) freon-113 | 6.838 | 101 | 63212 | 44.91 | ug/L | 75 |
| 14) acrolein | 6.066 | 56 | 194825 | 305.36 | ug/L | 100 |
| 15) 1,1-dichloroethene | 6.651 | 96 | 80094 | 51.05 | ug/L # | 48 |
| 16) acetone | 6.205 | 43 | 63816 | 66.13 | ug/L | 84 |
| 17) Methyl Acetate | 6.837 | 43 | 241207 | 74.37 | ug/L # | 81 |
| 18) methylene chloride | 6.801 | 84 | 111978 | 59.83 | ug/L # | 31 |
| 19) methyl tert butyl ether | 7.587 | 73 | 283479 | 60.10 | ug/L | 88 |
| 20) acrylonitrile | 6.708 | 53 | 319815 | 282.74 | ug/L | 96 |
| 21) allyl chloride | 6.895 | 41 | 124033 | 50.72 | ug/L | 63 |
| 22) trans-1,2-dichloroethene | 7.497 | 96 | 81906 | 47.22 | ug/L # | 52 |
| 23) iodomethane | 6.721 | 142 | 29638 | 47.73 | ug/L # | 49 |
| 24) carbon disulfide | 7.080 | 76 | 200508 | 40.26 | ug/L | 97 |
| 25) propionitrile | 7.778 | 54 | 26547 | 62.91 | ug/L | 100 |
| 26) vinyl acetate | 7.852 | 43 | 44634 | 48.11 | ug/L | 92 |
| 27) chloroprene | 8.114 | 53 | 176572 | 54.94 | ug/L | 62 |
| 28) di-isopropyl ether | 8.150 | 45 | 512865 | 59.11 | ug/L | 81 |
| 29) methacrylonitrile | 8.272 | 41 | 110749 | 58.64 | ug/L # | 68 |
| 30) 2-butanone | 8.168 | 72 | 16132 | 63.09 | ug/L # | 1 |
| 31) Hexane | 8.140 | 41 | 171971 | 48.46 | ug/L # | 65 |
| 32) 1,1-dichloroethane | 7.748 | 63 | 189150 | 48.73 | ug/L | 91 |
| 33) tert-butyl ethyl ether | 8.546 | 59 | 272871 | 45.92 | ug/L | 84 |
| 34) isobutyl alcohol | 8.544 | 43 | 35344 | 191.66 | ug/L # | 43 |
| 35) 2,2-dichloropropane | 8.607 | 77 | 37587 | 28.45 | ug/L | 96 |
| 36) cis-1,2-dichloroethene | 8.321 | 96 | 100245 | 50.32 | ug/L # | 59 |
| 37) bromochloromethane | 8.486 | 128 | 40508 | 51.44 | ug/L # | 20 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p17199.D
Acq On : 26 Apr 2007 11:07 am
Operator : amym
Sample : bsd
Misc : ms13435,msp589,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 27 12:25:00 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Apr 27 11:51:32 2007
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 38) chloroform | 8.524 | 83 | 198540 | 51.75 ug/L | 93 |
| 40) Tetrahydrofuran | 8.861 | 42 | 50116 | 55.86 ug/L | 82 |
| 41) 1,1,1-trichloroethane | 9.275 | 97 | 152884 | 50.88 ug/L | 86 |
| 43) Cyclohexane | 9.558 | 56 | 158224 | 46.09 ug/L # | 61 |
| 44) carbon tetrachloride | 9.639 | 117 | 123516 | 49.59 ug/L | 98 |
| 45) 1,1-dichloropropene | 9.449 | 75 | 120662 | 50.56 ug/L | 91 |
| 46) benzene | 9.676 | 78 | 352934 | 49.31 ug/L | 99 |
| 47) 1,2-dichloroethane | 9.175 | 62 | 217491 | 54.60 ug/L | 88 |
| 48) tert-amyl methyl ether | 9.791 | 73 | 226898 | 54.09 ug/L | 80 |
| 49) heptane | 10.149 | 43 | 103741 | 42.53 ug/L # | 69 |
| 50) trichloroethene | 10.295 | 95 | 101024 | 49.87 ug/L # | 68 |
| 51) 1,2-dichloropropane | 10.261 | 63 | 105602 | 50.55 ug/L | 95 |
| 52) dibromomethane | 10.235 | 93 | 66703 | 53.20 ug/L # | 71 |
| 53) bromodichloromethane | 10.347 | 83 | 165469 | 59.34 ug/L | 94 |
| 54) Methylcyclohexane | 10.811 | 83 | 96147 | 43.58 ug/L # | 62 |
| 56) methyl methacrylate | 10.440 | 69 | 66307 | 50.00 ug/L # | 38 |
| 57) 1,4-dioxane | 10.477 | 88 | 8419m | 315.19 ug/L | |
| 58) cis-1,3-dichloropropene | 10.965 | 75 | 116371 | 44.77 ug/L | 87 |
| 60) 4-methyl-2-pentanone | 11.064 | 43 | 181280 | 57.46 ug/L | 83 |
| 61) toluene | 11.743 | 92 | 233523 | 51.34 ug/L | 94 |
| 62) trans-1,3-dichloropropene | 11.383 | 75 | 94265 | 41.24 ug/L | 83 |
| 63) 1,1,2-trichloroethane | 11.555 | 83 | 78122 | 50.37 ug/L | 92 |
| 64) ethyl methacrylate | 11.758 | 69 | 111374 | 48.49 ug/L # | 44 |
| 66) tetrachloroethene | 12.482 | 166 | 81081 | 46.91 ug/L | 91 |
| 67) 1,3-dichloropropane | 11.790 | 76 | 164309 | 47.09 ug/L | 97 |
| 68) dibromochloromethane | 12.082 | 129 | 109446 | 56.79 ug/L | 99 |
| 69) 1,2-dibromoethane | 12.335 | 107 | 97073 | 49.38 ug/L | 99 |
| 70) 2-hexanone | 11.920 | 43 | 132186 | 52.14 ug/L | 82 |
| 71) chlorobenzene | 13.163 | 112 | 242819 | 47.32 ug/L | 88 |
| 72) 1,1,1,2-tetrachloroethane | 13.080 | 131 | 91533 | 52.99 ug/L | 98 |
| 73) ethylbenzene | 13.336 | 91 | 450662 | 51.33 ug/L | 92 |
| 74) m,p-xylene | 13.521 | 106 | 315293 | 105.54 ug/L # | 71 |
| 75) o-xylene | 13.934 | 106 | 157869 | 54.23 ug/L # | 72 |
| 76) styrene | 13.861 | 104 | 256873 | 49.56 ug/L | 79 |
| 77) bromoform | 13.687 | 173 | 72644 | 49.84 ug/L | 97 |
| 78) trans-1,4-dichloro-2-b... | 14.082 | 53 | 13197 | 44.85 ug/L # | 93 |
| 80) isopropylbenzene | 14.296 | 105 | 334217 | 49.33 ug/L | 96 |
| 82) bromobenzene | 14.586 | 156 | 103285 | 47.99 ug/L # | 66 |
| 83) 1,1,2,2-tetrachloroethane | 13.936 | 83 | 135263 | 45.92 ug/L | 98 |
| 84) 1,2,3-trichloropropane | 14.084 | 75 | 133146 | 46.49 ug/L | 94 |
| 85) n-propylbenzene | 14.742 | 91 | 474869 | 50.10 ug/L | 89 |
| 86) 2-chlorotoluene | 14.862 | 91 | 328484 | 49.19 ug/L | 85 |
| 87) 4-chlorotoluene | 14.937 | 91 | 345732 | 51.50 ug/L | 83 |
| 88) 1,3,5-trimethylbenzene | 15.019 | 105 | 336528 | 51.80 ug/L | 89 |
| 89) tert-butylbenzene | 15.325 | 91 | 203768 | 48.62 ug/L # | 69 |
| 90) 1,2,4-trimethylbenzene | 15.429 | 105 | 359665 | 51.51 ug/L | 89 |
| 91) sec-butylbenzene | 15.546 | 105 | 354102 | 47.47 ug/L | 94 |
| 92) 1,3-dichlorobenzene | 15.651 | 146 | 189470 | 47.93 ug/L | 95 |
| 93) p-isopropyltoluene | 15.718 | 119 | 298811 | 46.02 ug/L | 89 |
| 94) 1,4-dichlorobenzene | 15.718 | 146 | 196971 | 46.45 ug/L | 96 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p17199.D
Acq On : 26 Apr 2007 11:07 am
Operator : amym
Sample : bsd
Misc : ms13435,msp589,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 27 12:25:00 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Apr 27 11:51:32 2007
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 95) 1,2-dichlorobenzene | 16.086 | 146 | 189794 | 49.60 ug/L | 93 |
| 96) n-butylbenzene | 16.136 | 91 | 308729 | 46.69 ug/L | 84 |
| 97) 1,2-dibromo-3-chloropr... | 16.563 | 75 | 37136 | 49.06 ug/L # | 48 |
| 98) 1,2,4-trichlorobenzene | 17.915 | 180 | 121358 | 49.42 ug/L | 94 |
| 99) hexachlorobutadiene | 18.204 | 225 | 40960 | 41.74 ug/L | 80 |
| 100) naphthalene | 18.184 | 128 | 403179 | 54.36 ug/L | 100 |
| 101) 1,2,3-trichlorobenzene | 18.389 | 180 | 119242 | 47.87 ug/L | 91 |

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

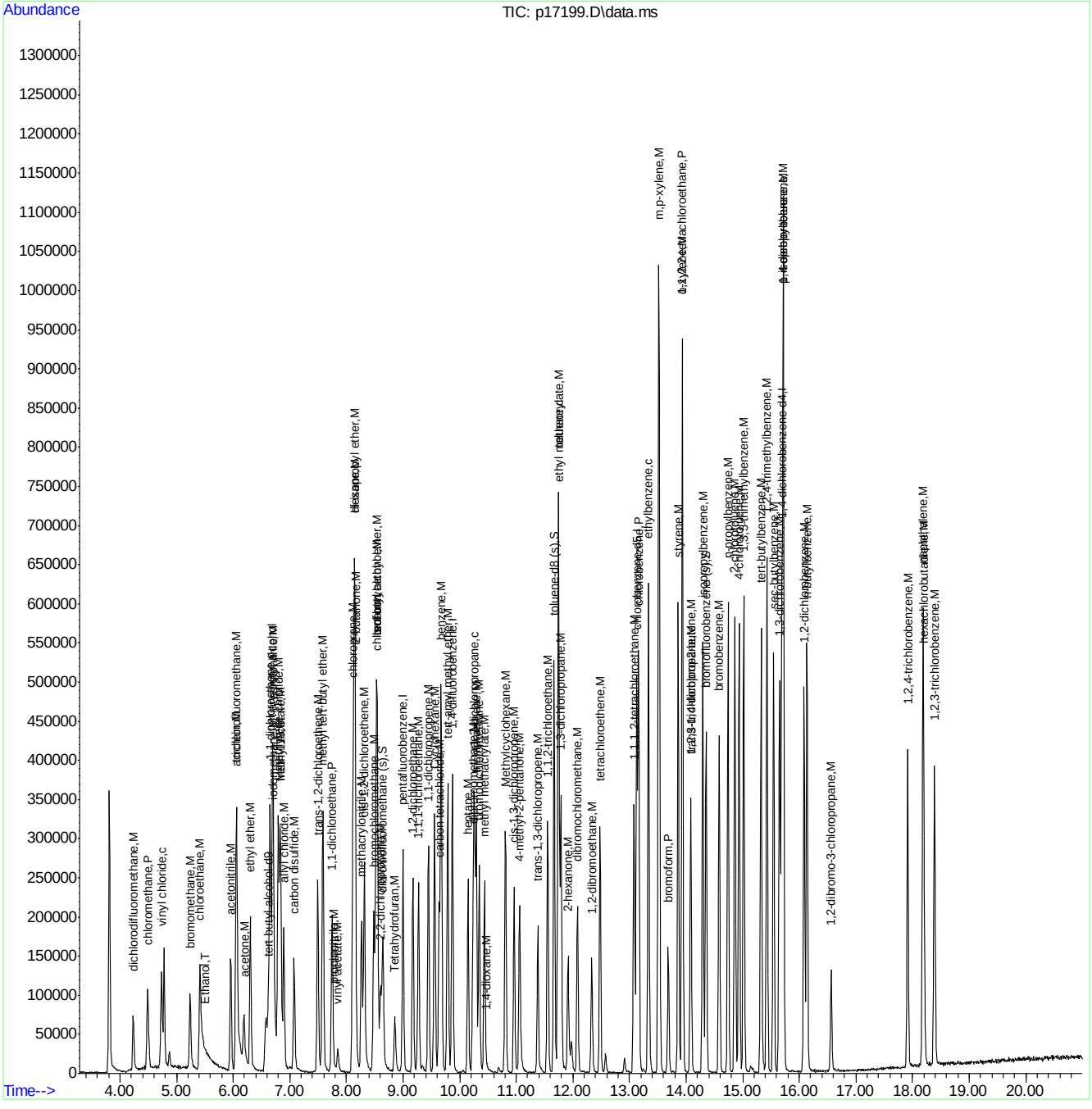
6.3.2

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p17199.D
Acq On : 26 Apr 2007 11:07 am
Operator : amym
Sample : bsd
Misc : ms13435,msp589,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 27 12:25:00 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Apr 27 11:51:32 2007
Response via : Initial Calibration









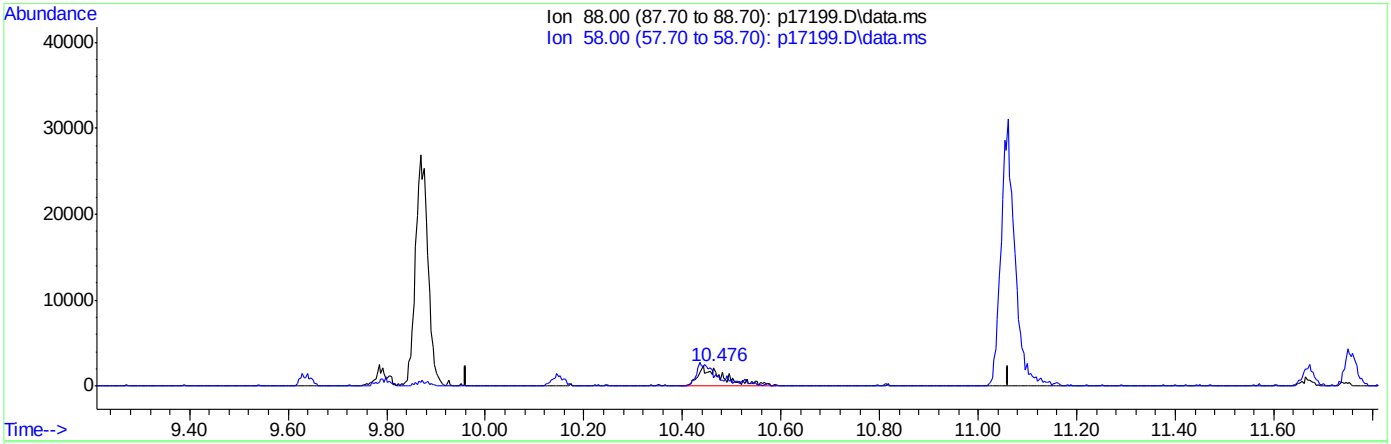

ACCUTEST Laboratories M64162

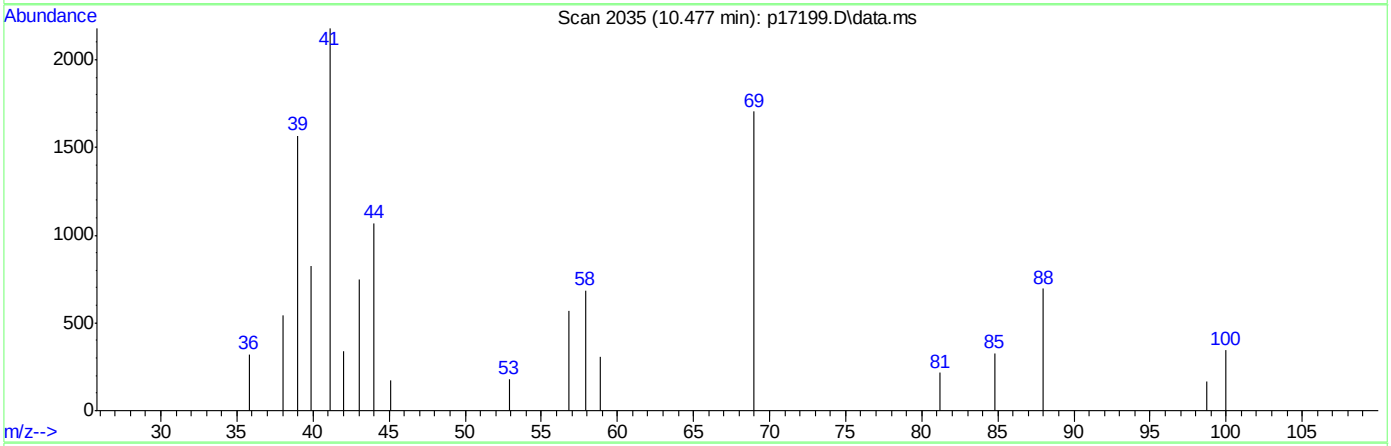
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : p17199.D
Acq On : 26 Apr 2007 11:07 am
Operator : amym
Sample : bsd
Misc : ms13435,msp589,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 27 12:24:27 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Apr 27 11:51:32 2007
Response via : Initial Calibration






TIC: p17199.D\data.ms

(57) 1,4-dioxane (M)

10.477min (+0.005) 315.19ug/L m

response 8419

| Ion | Exp% | Act% |
|---|---|---|
| 88.00 | 100 | 100 |
| 58.00 | 60.20 | 98.56# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |



ACCUTEST Laboratories M64162

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18882.D Vial: 18
Acq On : 26 Apr 2007 11:30 am Operator: alit
Sample : BS Inst : MAMSN
Misc : ms13429,msn683,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 26 11:52:53 2007 Quant Results File: N042007W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Apr 25 10:27:30 2007
Response via : Initial Calibration
DataAcq Meth : N8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 5.85 | 65 | 76736 | 500.00 | ug/L | 0.00 |
| 3) pentafluorobenzene | 8.27 | 168 | 134455 | 50.00 | ug/L | 0.00 |
| 43) 1,4-difluorobenzene | 9.13 | 114 | 190591 | 50.00 | ug/L | 0.00 |
| 66) chlorobenzene-d5 | 12.38 | 82 | 105564 | 50.00 | ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 14.94 | 152 | 132113 | 50.00 | ug/L | 0.00 |

System Monitoring Compounds

| | | | | | | |
|---|---|---|---|---|---|---|
| 40) dibromofluoromethane (s) | 7.90 | 113 | 69440 | 54.38 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 84 - 129 | | Recovery = 108.76% | | | |
| 60) toluene-d8 (s) | 10.92 | 98 | 236000 | 49.31 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 98.62% | | | |
| 82) bromofluorobenzene (s) | 13.60 | 95 | 105078 | 50.31 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 82 - 118 | | Recovery = 100.62% | | | |

Target Compounds

| | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 2) tertiary butyl alcohol | 5.94 | 59 | 90505 | 460.09 | ug/L | 96 |
| 4) Ethanol | 4.78 | 45 | 87581 | 6455.80 | ug/L | 98 |
| 5) dichlorodifluoromethane | 3.71 | 85 | 68386 | 82.13 | ug/L | 99 |
| 6) chloromethane | 3.94 | 50 | 66039 | 64.76 | ug/L | 99 |
| 7) vinyl chloride | 4.16 | 62 | 57562 | 68.72 | ug/L | 96 |
| 8) bromomethane | 4.62 | 96 | 34496 | 60.72 | ug/L | 91 |
| 9) chloroethane | 4.77 | 64 | 26109 | 65.44 | ug/L | 94 |
| 10) ethyl ether | 5.61 | 59 | 46910 | 54.57 | ug/L | 89 |
| 11) acetonitrile | 5.37 | 41 | 19143 | 65.99 | ug/L | 96 |
| 12) trichlorofluoromethane | 5.38 | 101 | 89832 | 62.25 | ug/L | 96 |
| 13) freon-113 | 6.12 | 101 | 54097 | 65.70 | ug/L | 91 |
| 14) acrolein | 5.36 | 56 | 68802 | 296.08 | ug/L | 99 |
| 15) 1,1-dichloroethene | 5.94 | 96 | 51157 | 54.40 | ug/L | 92 |
| 16) acetone | 5.49 | 43 | 31511 | 68.10 | ug/L | 98 |
| 17) Methyl Acetate | 6.12 | 43 | 90992 | 52.85 | ug/L | 95 |
| 18) methylene chloride | 6.08 | 84 | 69042 | 55.07 | ug/L | 93 |
| 19) methyl tert butyl ether | 6.86 | 73 | 165804 | 58.45 | ug/L | 99 |
| 20) acrylonitrile | 5.98 | 53 | 160262 | 325.17 | ug/L | 99 |
| 21) allyl chloride | 6.18 | 41 | 70739 | 61.10 | ug/L | 98 |
| 22) trans-1,2-dichloroethene | 6.76 | 96 | 56882 | 51.84 | ug/L | 96 |
| 23) iodomethane | 5.99 | 142 | 55329 | 40.54 | ug/L | 92 |
| 24) carbon disulfide | 6.34 | 76 | 207671 | 66.64 | ug/L | 100 |
| 25) propionitrile | 7.01 | 54 | 12760 | 63.67 | ug/L | 100 |
| 26) vinyl acetate | 7.12 | 43 | 74531 | 31.66 | ug/L | 98 |
| 27) chloroprene | 7.38 | 53 | 75224 | 61.41 | ug/L | 91 |
| 28) di-isopropyl ether | 7.42 | 45 | 197050 | 55.28 | ug/L | 91 |
| 29) methacrylonitrile | 7.53 | 41 | 47410 | 60.50 | ug/L | 91 |
| 30) 2-butanone | 7.42 | 72 | 9670 | 64.57 | ug/L # | 59 |
| 31) Hexane | 7.40 | 41 | 81287 | 67.97 | ug/L | 95 |
| 32) 1,1-dichloroethane | 7.01 | 63 | 105253 | 57.87 | ug/L | 98 |
| 33) tert-butyl ethyl ether | 7.82 | 59 | 179769 | 56.88 | ug/L | 97 |
| 34) isobutyl alcohol | 7.42 | 43 | 170872 | 307.91 | ug/L | 100 |
| 35) 2,2-dichloropropane | 7.86 | 77 | 81662 | 64.32 | ug/L | 98 |
| 36) cis-1,2-dichloroethene | 7.58 | 96 | 63371 | 48.04 | ug/L | 93 |
| 37) ethyl acetate | 7.73 | 43 | 68701 | 98.73 | ug/L | 88 |

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

N18882.D N042007W.M Thu Apr 26 11:54:57 2007 RP1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18882.D Vial: 18
Acq On : 26 Apr 2007 11:30 am Operator: alit
Sample : BS Inst : MAMSN
Misc : ms13429,msn683,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 26 11:52:53 2007 Quant Results File: N042007W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Apr 25 10:27:30 2007
Response via : Initial Calibration
DataAcq Meth : N8260

| Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|
| 38) bromochloromethane | 7.74 | 128 | 35035 | 56.55 ug/L | 97 |
| 39) chloroform | 7.78 | 83 | 111888 | 57.47 ug/L | 94 |
| 41) Tetrahydrofuran | 8.10 | 42 | 24316 | 64.94 ug/L | 92 |
| 42) 1,1,1-trichloroethane | 8.52 | 97 | 93321 | 62.78 ug/L | 97 |
| 44) Cyclohexane | 8.81 | 56 | 86637 | 55.49 ug/L | 97 |
| 45) carbon tetrachloride | 8.88 | 117 | 82626 | 57.21 ug/L | 98 |
| 46) 1,1-dichloropropene | 8.70 | 75 | 76115 | 54.10 ug/L | 94 |
| 47) benzene | 8.92 | 78 | 234255 | 52.05 ug/L | 99 |
| 48) 1,2-dichloroethane | 8.43 | 62 | 86499 | 58.65 ug/L | 97 |
| 49) tert-amyl methyl ether | 9.05 | 73 | 162480 | 50.71 ug/L | 97 |
| 50) heptane | 9.42 | 43 | 55671 | 54.85 ug/L | 92 |
| 51) trichloroethene | 9.55 | 95 | 64806 | 52.34 ug/L | 97 |
| 52) 1,2-dichloropropane | 9.51 | 63 | 61619 | 53.71 ug/L | 99 |
| 53) dibromomethane | 9.48 | 93 | 44267 | 54.31 ug/L | 97 |
| 54) bromodichloromethane | 9.60 | 83 | 90041 | 55.62 ug/L | 99 |
| 55) Methylcyclohexane | 10.06 | 83 | 91926 | 52.57 ug/L | 95 |
| 56) 2-chloroethyl vinyl ether | 9.51 | 63 | 61619 | 53.70 ug/L # | 99 |
| 57) methyl methacrylate | 9.71 | 69 | 46595 | 53.93 ug/L | 91 |
| 58) 1,4-dioxane | 9.69 | 88 | 5725 | 252.60 ug/L | 96 |
| 59) cis-1,3-dichloropropene | 10.22 | 75 | 98135 | 56.05 ug/L | 98 |
| 61) 4-methyl-2-pentanone | 10.32 | 43 | 81058 | 64.08 ug/L | 97 |
| 62) toluene | 11.00 | 92 | 148346 | 49.59 ug/L | 98 |
| 63) trans-1,3-dichloropropene | 10.64 | 75 | 90026 | 57.94 ug/L | 95 |
| 64) 1,1,2-trichloroethane | 10.81 | 83 | 55202 | 53.33 ug/L | 93 |
| 65) ethyl methacrylate | 11.04 | 69 | 89255 | 55.46 ug/L | 95 |
| 67) tetrachloroethene | 11.73 | 166 | 78745 | 45.13 ug/L | 94 |
| 68) 1,3-dichloropropane | 11.05 | 76 | 104005 | 50.47 ug/L | 98 |
| 69) dibromochloromethane | 11.33 | 129 | 79935 | 49.41 ug/L | 99 |
| 70) 1,2-dibromoethane | 11.58 | 107 | 72747 | 48.76 ug/L | 93 |
| 71) 2-hexanone | 11.18 | 43 | 60586 | 59.76 ug/L | 100 |
| 72) chlorobenzene | 12.41 | 112 | 181090 | 44.26 ug/L | 99 |
| 73) 1,1,1,2-tetrachloroethane | 12.34 | 131 | 67527 | 49.47 ug/L | 96 |
| 74) ethylbenzene | 12.60 | 91 | 297778 | 48.02 ug/L | 98 |
| 75) m,p-xylene | 12.78 | 106 | 236867 | 94.28 ug/L | 99 |
| 76) o-xylene | 13.19 | 106 | 118965 | 47.29 ug/L | 95 |
| 77) styrene | 13.12 | 104 | 193277 | 48.55 ug/L | 94 |
| 78) bromoform | 12.93 | 173 | 70470 | 46.09 ug/L | 97 |
| 79) trans-1,4-dichloro-2-buten | 13.35 | 53 | 30837 | 58.97 ug/L | 90 |
| 81) isopropylbenzene | 13.56 | 105 | 274636 | 51.70 ug/L | 100 |
| 83) bromobenzene | 13.83 | 156 | 98814 | 45.32 ug/L | 97 |
| 84) 1,1,2,2-tetrachloroethane | 13.19 | 83 | 106840 | 55.10 ug/L | 99 |
| 85) 1,2,3-trichloropropane | 13.34 | 75 | 126924 | 57.34 ug/L | 99 |
| 86) n-propylbenzene | 14.00 | 91 | 393154 | 51.37 ug/L | 98 |
| 87) 2-chlorotoluene | 14.11 | 91 | 235349 | 49.74 ug/L | 96 |
| 88) 4-chlorotoluene | 14.19 | 91 | 244873 | 48.95 ug/L | 100 |
| 89) 1,3,5-trimethylbenzene | 14.29 | 105 | 274440 | 51.12 ug/L | 97 |
| 90) tert-butylbenzene | 14.59 | 91 | 157599 | 53.45 ug/L | 92 |
| 91) 1,2,4-trimethylbenzene | 14.69 | 105 | 294715 | 51.40 ug/L | 98 |
| 92) sec-butylbenzene | 14.81 | 105 | 377141 | 50.84 ug/L | 98 |

(#) = qualifier out of range (m) = manual integration
N18882.D N042007W.M Thu Apr 26 11:54:57 2007 RP1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18882.D Vial: 18
Acq On : 26 Apr 2007 11:30 am Operator: alit
Sample : BS Inst : MAMSN
Misc : ms13429,msn683,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 26 11:52:53 2007 Quant Results File: N042007W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Apr 25 10:27:30 2007
Response via : Initial Calibration
DataAcq Meth : N8260

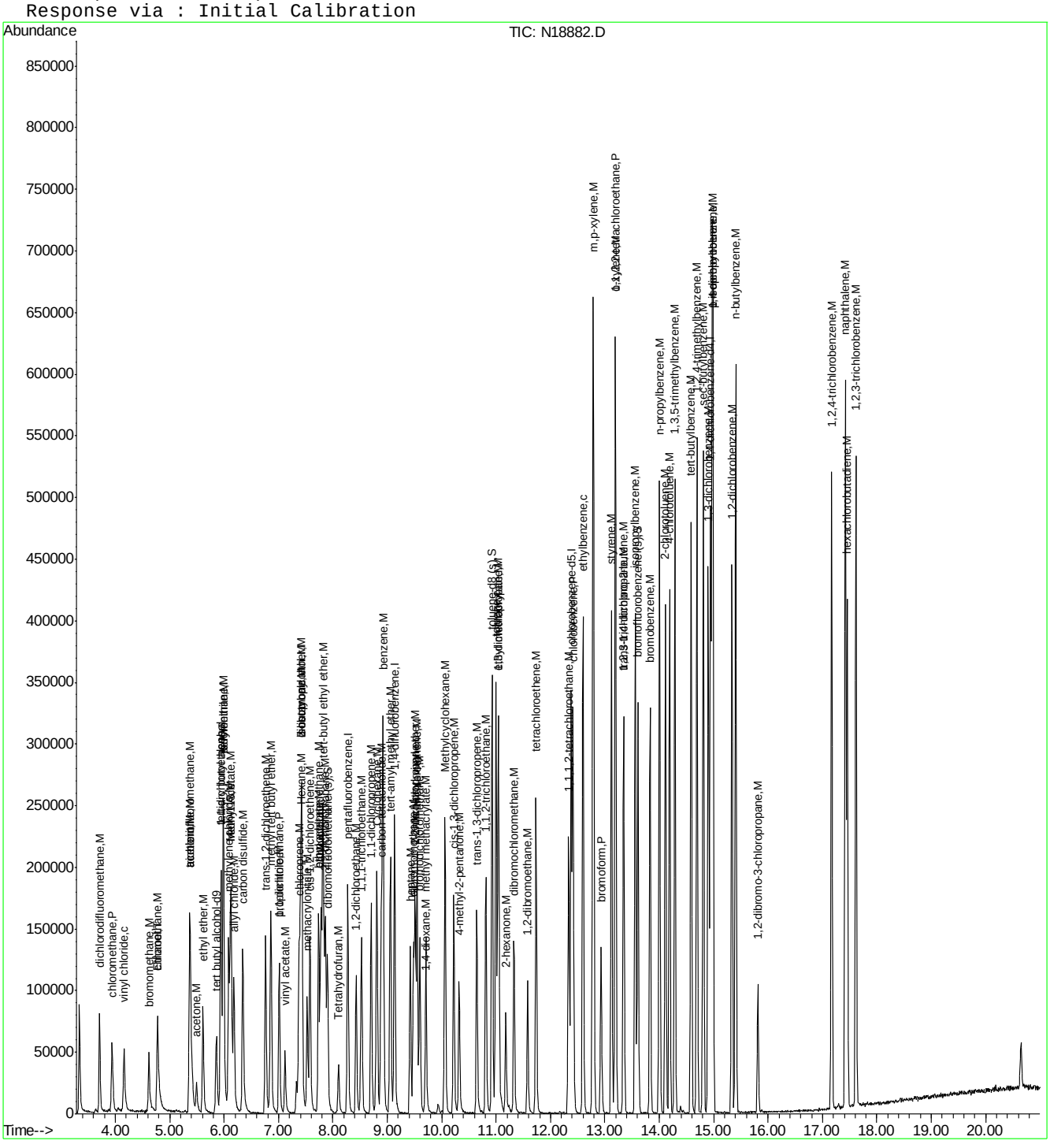
| | Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|---|---|---|---|---|---|---|---|
| 93) | 1,3-dichlorobenzene | 14.90 | 146 | 195015 | 48.71 | ug/L | 96 |
| 94) | p-isopropyltoluene | 14.99 | 119 | 327008 | 49.47 | ug/L | 99 |
| 96) | 1,4-dichlorobenzene | 14.97 | 146 | 203290 | 50.51 | ug/L | 97 |
| 97) | 1,2-dichlorobenzene | 15.34 | 146 | 193714 | 46.31 | ug/L | 98 |
| 98) | n-butylbenzene | 15.40 | 91 | 335867 | 50.95 | ug/L | 98 |
| 99) | 1,2-dibromo-3-chloropropan | 15.81 | 75 | 23642 | 58.42 | ug/L | 97 |
| 100) | 1,2,4-trichlorobenzene | 17.17 | 180 | 168596 | 48.74 | ug/L | 97 |
| 101) | hexachlorobutadiene | 17.45 | 225 | 85205 | 49.33 | ug/L | 96 |
| 102) | naphthalene | 17.42 | 128 | 436766 | 54.23 | ug/L | 100 |
| 103) | 1,2,3-trichlorobenzene | 17.62 | 180 | 169727 | 52.97 | ug/L | 99 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed
N18882.D N042007W.M Thu Apr 26 11:54:57 2007 RP1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18882.D Vial: 18
Acq On : 26 Apr 2007 11:30 am Operator: alit
Sample : BS Inst : MAMSN
Misc : ms13429,msn683,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 26 11:52 2007 Quant Results File: N042007W.RES

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Apr 25 10:27:30 2007
Response via : Initial Calibration










ACCUTEST Laboratories M64162

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18883.D Vial: 19
Acq On : 26 Apr 2007 12:00 pm Operator: alit
Sample : BSD Inst : MAMSN
Misc : ms13429,msn683,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 26 12:26:29 2007 Quant Results File: N042007W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Apr 25 10:27:30 2007
Response via : Initial Calibration
DataAcq Meth : N8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 5.86 | 65 | 80506 | 500.00 | ug/L | 0.00 |
| 3) pentafluorobenzene | 8.28 | 168 | 139096 | 50.00 | ug/L | 0.00 |
| 43) 1,4-difluorobenzene | 9.14 | 114 | 196880 | 50.00 | ug/L | 0.00 |
| 66) chlorobenzene-d5 | 12.38 | 82 | 109609 | 50.00 | ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 14.94 | 152 | 137603 | 50.00 | ug/L | 0.00 |

System Monitoring Compounds

| | | | | | | |
|---|---|---|---|---|---|---|
| 40) dibromofluoromethane (s) | 7.90 | 113 | 71567 | 54.18 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 84 - 129 | | Recovery = 108.36% | | | |
| 60) toluene-d8 (s) | 10.92 | 98 | 249016 | 50.37 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 100.74% | | | |
| 82) bromofluorobenzene (s) | 13.61 | 95 | 109975 | 50.55 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 82 - 118 | | Recovery = 101.10% | | | |

| Target Compounds | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 2) tertiary butyl alcohol | 5.94 | 59 | 98336 | 476.49 | ug/L | 99 |
| 4) Ethanol | 4.78 | 45 | 91281 | 6505.80 | ug/L | 99 |
| 5) dichlorodifluoromethane | 3.71 | 85 | 67131 | 78.04 | ug/L | 95 |
| 6) chloromethane | 3.94 | 50 | 66280 | 62.82 | ug/L | 99 |
| 7) vinyl chloride | 4.16 | 62 | 57636 | 66.51 | ug/L | 99 |
| 8) bromomethane | 4.62 | 96 | 34078 | 57.99 | ug/L | 97 |
| 9) chloroethane | 4.77 | 64 | 25654 | 62.15 | ug/L | 100 |
| 10) ethyl ether | 5.61 | 59 | 47272 | 53.16 | ug/L | 96 |
| 11) acetonitrile | 5.38 | 41 | 20273 | 67.55 | ug/L | 90 |
| 12) trichlorofluoromethane | 5.38 | 101 | 90465 | 60.70 | ug/L | 98 |
| 13) freon-113 | 6.12 | 101 | 54750 | 64.30 | ug/L | 91 |
| 14) acrolein | 5.36 | 56 | 74254 | 308.88 | ug/L | 99 |
| 15) 1,1-dichloroethene | 5.94 | 96 | 51641 | 53.11 | ug/L | 89 |
| 16) acetone | 5.49 | 43 | 32133 | 67.12 | ug/L | 97 |
| 17) Methyl Acetate | 6.12 | 43 | 97279 | 54.61 | ug/L # | 96 |
| 18) methylene chloride | 6.09 | 84 | 70363 | 54.25 | ug/L | 94 |
| 19) methyl tert butyl ether | 6.86 | 73 | 174244 | 59.38 | ug/L | 99 |
| 20) acrylonitrile | 5.99 | 53 | 167856 | 329.22 | ug/L | 96 |
| 21) allyl chloride | 6.18 | 41 | 71113 | 59.37 | ug/L | 97 |
| 22) trans-1,2-dichloroethene | 6.76 | 96 | 59332 | 52.26 | ug/L | 97 |
| 23) iodomethane | 5.99 | 142 | 58617 | 41.55 | ug/L | 89 |
| 24) carbon disulfide | 6.35 | 76 | 214403 | 66.51 | ug/L | 99 |
| 25) propionitrile | 7.01 | 54 | 13786 | 66.50 | ug/L | 100 |
| 26) vinyl acetate | 7.12 | 43 | 75480 | 31.05 | ug/L | 99 |
| 27) chloroprene | 7.37 | 53 | 76764 | 60.60 | ug/L | 93 |
| 28) di-isopropyl ether | 7.43 | 45 | 203234 | 55.11 | ug/L | 93 |
| 29) methacrylonitrile | 7.53 | 41 | 52394 | 64.63 | ug/L | 88 |
| 30) 2-butanone | 7.43 | 72 | 9648 | 62.28 | ug/L # | 63 |
| 31) Hexane | 7.40 | 41 | 81626 | 65.97 | ug/L | 100 |
| 32) 1,1-dichloroethane | 7.01 | 63 | 107460 | 57.12 | ug/L | 94 |
| 33) tert-butyl ethyl ether | 7.82 | 59 | 184180 | 56.33 | ug/L | 99 |
| 34) isobutyl alcohol | 7.42 | 43 | 171262 | 298.31 | ug/L | 97 |
| 35) 2,2-dichloropropane | 7.86 | 77 | 82319 | 62.68 | ug/L | 99 |
| 36) cis-1,2-dichloroethene | 7.58 | 96 | 65914 | 48.30 | ug/L | 92 |
| 37) ethyl acetate | 7.73 | 43 | 71889 | 99.87 | ug/L | 93 |

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18883.D Vial: 19
Acq On : 26 Apr 2007 12:00 pm Operator: alit
Sample : BSD Inst : MAMSN
Misc : ms13429,msn683,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 26 12:26:29 2007 Quant Results File: N042007W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Apr 25 10:27:30 2007
Response via : Initial Calibration
DataAcq Meth : N8260

| | Compound | R.T. | QIon | Response | Conc Unit | | Qvalue |
|---|---|---|---|---|---|---|---|
| 38) | bromochloromethane | 7.74 | 128 | 35488 | 55.37 ug/L | | 99 |
| 39) | chloroform | 7.78 | 83 | 114755 | 56.98 ug/L | | 95 |
| 41) | Tetrahydrofuran | 8.10 | 42 | 26230 | 67.92 ug/L | | 99 |
| 42) | 1,1,1-trichloroethane | 8.53 | 97 | 96555 | 62.79 ug/L | | 96 |
| 44) | Cyclohexane | 8.81 | 56 | 90864 | 56.35 ug/L | | 97 |
| 45) | carbon tetrachloride | 8.88 | 117 | 83265 | 55.81 ug/L | | 99 |
| 46) | 1,1-dichloropropene | 8.70 | 75 | 78389 | 53.94 ug/L | | 98 |
| 47) | benzene | 8.92 | 78 | 236661 | 50.91 ug/L | | 96 |
| 48) | 1,2-dichloroethane | 8.42 | 62 | 88341 | 57.99 ug/L | | 98 |
| 49) | tert-amyl methyl ether | 9.05 | 73 | 169466 | 51.20 ug/L | | 98 |
| 50) | heptane | 9.42 | 43 | 57473 | 54.82 ug/L | | 97 |
| 51) | trichloroethene | 9.55 | 95 | 66497 | 51.99 ug/L | | 94 |
| 52) | 1,2-dichloropropane | 9.51 | 63 | 61712 | 52.07 ug/L | | 98 |
| 53) | dibromomethane | 9.48 | 93 | 44938 | 53.38 ug/L | | 93 |
| 54) | bromodichloromethane | 9.60 | 83 | 92473 | 55.29 ug/L | | 97 |
| 55) | Methylcyclohexane | 10.06 | 83 | 91199 | 50.49 ug/L | | 94 |
| 56) | 2-chloroethyl vinyl ether | 9.51 | 63 | 61712 | 52.06 ug/L | # | 99 |
| 57) | methyl methacrylate | 9.71 | 69 | 49996 | 56.02 ug/L | | 98 |
| 58) | 1,4-dioxane | 9.69 | 88 | 6597 | 281.78 ug/L | | 93 |
| 59) | cis-1,3-dichloropropene | 10.22 | 75 | 100436 | 55.54 ug/L | | 95 |
| 61) | 4-methyl-2-pentanone | 10.32 | 43 | 85292 | 65.28 ug/L | | 97 |
| 62) | toluene | 11.00 | 92 | 151881 | 49.15 ug/L | | 98 |
| 63) | trans-1,3-dichloropropene | 10.65 | 75 | 91526 | 57.02 ug/L | | 99 |
| 64) | 1,1,2-trichloroethane | 10.81 | 83 | 55876 | 52.26 ug/L | | 97 |
| 65) | ethyl methacrylate | 11.04 | 69 | 95656 | 57.54 ug/L | | 91 |
| 67) | tetrachloroethene | 11.74 | 166 | 80416 | 44.38 ug/L | | 97 |
| 68) | 1,3-dichloropropane | 11.05 | 76 | 107234 | 50.12 ug/L | | 100 |
| 69) | dibromochloromethane | 11.33 | 129 | 82475 | 49.10 ug/L | | 99 |
| 70) | 1,2-dibromoethane | 11.58 | 107 | 76484 | 49.37 ug/L | | 97 |
| 71) | 2-hexanone | 11.18 | 43 | 64933 | 61.68 ug/L | | 99 |
| 72) | chlorobenzene | 12.41 | 112 | 189091 | 44.51 ug/L | | 96 |
| 73) | 1,1,1,2-tetrachloroethane | 12.34 | 131 | 68536 | 48.35 ug/L | | 97 |
| 74) | ethylbenzene | 12.60 | 91 | 307312 | 47.73 ug/L | | 99 |
| 75) | m,p-xylene | 12.78 | 106 | 246513 | 94.50 ug/L | | 99 |
| 76) | o-xylene | 13.19 | 106 | 122937 | 47.07 ug/L | | 96 |
| 77) | styrene | 13.12 | 104 | 198713 | 48.07 ug/L | | 96 |
| 78) | bromoform | 12.93 | 173 | 73793 | 46.44 ug/L | | 99 |
| 79) | trans-1,4-dichloro-2-buten | 13.35 | 53 | 32761 | 60.33 ug/L | | 92 |
| 81) | isopropylbenzene | 13.56 | 105 | 285782 | 51.65 ug/L | | 97 |
| 83) | bromobenzene | 13.83 | 156 | 101809 | 44.83 ug/L | | 99 |
| 84) | 1,1,2,2-tetrachloroethane | 13.19 | 83 | 112192 | 55.55 ug/L | | 95 |
| 85) | 1,2,3-trichloropropane | 13.34 | 75 | 132263 | 57.37 ug/L | | 98 |
| 86) | n-propylbenzene | 14.00 | 91 | 405825 | 50.91 ug/L | | 98 |
| 87) | 2-chlorotoluene | 14.11 | 91 | 246306 | 49.98 ug/L | | 96 |
| 88) | 4-chlorotoluene | 14.19 | 91 | 253251 | 48.60 ug/L | | 95 |
| 89) | 1,3,5-trimethylbenzene | 14.29 | 105 | 287790 | 51.47 ug/L | | 96 |
| 90) | tert-butylbenzene | 14.58 | 91 | 160527 | 52.27 ug/L | | 100 |
| 91) | 1,2,4-trimethylbenzene | 14.69 | 105 | 308008 | 51.58 ug/L | | 100 |
| 92) | sec-butylbenzene | 14.81 | 105 | 396978 | 51.38 ug/L | | 98 |

(#) = qualifier out of range (m) = manual integration
N18883.D N042007W.M Thu Apr 26 14:34:49 2007 RP1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18883.D Vial: 19
Acq On : 26 Apr 2007 12:00 pm Operator: alit
Sample : BSD Inst : MAMSN
Misc : ms13429,msn683,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 26 12:26:29 2007 Quant Results File: N042007W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Apr 25 10:27:30 2007
Response via : Initial Calibration
DataAcq Meth : N8260

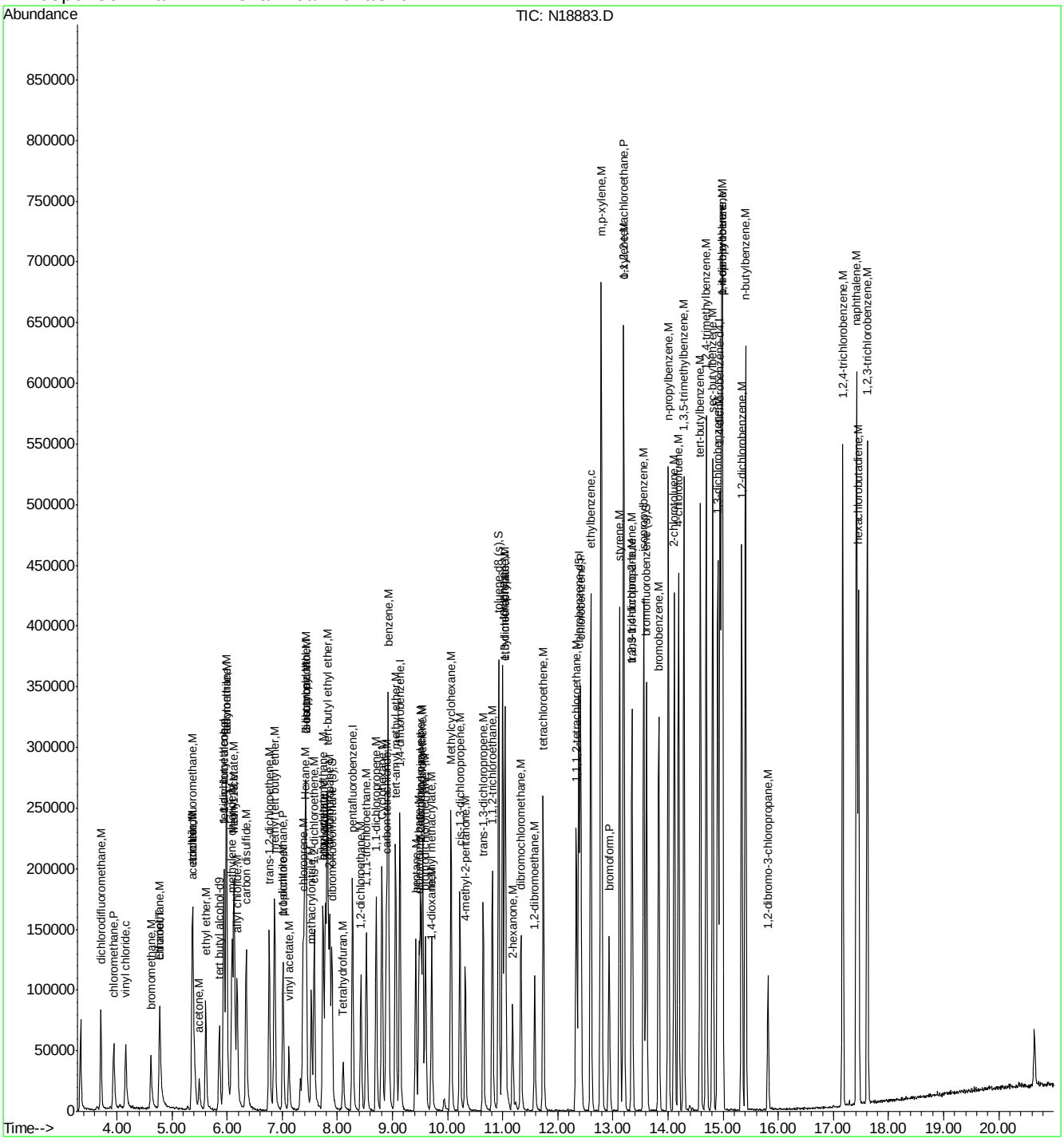
| | Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|---|---|---|---|---|---|---|---|
| 93) | 1,3-dichlorobenzene | 14.90 | 146 | 198344 | 47.49 | ug/L | 98 |
| 94) | p-isopropyltoluene | 14.99 | 119 | 338225 | 49.13 | ug/L | 99 |
| 96) | 1,4-dichlorobenzene | 14.97 | 146 | 213651 | 51.01 | ug/L | 97 |
| 97) | 1,2-dichlorobenzene | 15.33 | 146 | 203110 | 46.62 | ug/L | 97 |
| 98) | n-butylbenzene | 15.40 | 91 | 346645 | 50.49 | ug/L | 98 |
| 99) | 1,2-dibromo-3-chloropropan | 15.81 | 75 | 25988 | 61.65 | ug/L | 91 |
| 100) | 1,2,4-trichlorobenzene | 17.17 | 180 | 174071 | 48.31 | ug/L | 96 |
| 101) | hexachlorobutadiene | 17.46 | 225 | 87453 | 48.61 | ug/L | 92 |
| 102) | naphthalene | 17.42 | 128 | 460731 | 54.92 | ug/L | 100 |
| 103) | 1,2,3-trichlorobenzene | 17.61 | 180 | 176003 | 52.72 | ug/L | 98 |

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18883.D Vial: 19
Acq On : 26 Apr 2007 12:00 pm Operator: alit
Sample : BSD Inst : MAMSN
Misc : ms13429,msn683,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 26 12:26 2007 Quant Results File: N042007W.RES

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Apr 25 10:27:30 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18909.D Vial: 18
Acq On : 27 Apr 2007 10:36 am Operator: alit
Sample : BS Inst : MAMSN
Misc : ms13429,msn684,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 27 11:36:23 2007 Quant Results File: N042007W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Apr 25 10:27:30 2007
Response via : Initial Calibration
DataAcq Meth : N8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 5.85 | 65 | 50805 | 500.00 | ug/L | 0.00 |
| 3) pentafluorobenzene | 8.28 | 168 | 118308 | 50.00 | ug/L | 0.00 |
| 43) 1,4-difluorobenzene | 9.14 | 114 | 169114 | 50.00 | ug/L | 0.00 |
| 66) chlorobenzene-d5 | 12.38 | 82 | 95764 | 50.00 | ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 14.94 | 152 | 122917 | 50.00 | ug/L | 0.00 |

System Monitoring Compounds

| | | | | | | |
|---|---|---|---|---|---|---|
| 40) dibromofluoromethane (s) | 7.90 | 113 | 62626 | 55.74 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 84 - 129 | | Recovery = 111.48% | | | |
| 60) toluene-d8 (s) | 10.93 | 98 | 215856 | 50.83 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 101.66% | | | |
| 82) bromofluorobenzene (s) | 13.61 | 95 | 96147 | 49.47 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 82 - 118 | | Recovery = 98.94% | | | |

Target Compounds

| | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 2) tertiary butyl alcohol | 5.94 | 59 | 62089 | 476.73 | ug/L | 94 |
| 4) Ethanol | 4.78 | 45 | 67933 | 5662.95 | ug/L | 98 |
| 5) dichlorodifluoromethane | 3.71 | 85 | 65810 | 89.63 | ug/L | 98 |
| 6) chloromethane | 3.94 | 50 | 65250 | 72.72 | ug/L | 98 |
| 7) vinyl chloride | 4.16 | 62 | 56395 | 76.52 | ug/L | 93 |
| 8) bromomethane | 4.62 | 96 | 33737 | 67.49 | ug/L | 98 |
| 9) chloroethane | 4.78 | 64 | 26412 | 75.23 | ug/L | 99 |
| 10) ethyl ether | 5.61 | 59 | 41052 | 54.27 | ug/L | 98 |
| 11) acetonitrile | 5.38 | 41 | 13990 | 54.81 | ug/L | 89 |
| 12) trichlorofluoromethane | 5.38 | 101 | 84116 | 65.97 | ug/L | 99 |
| 13) freon-113 | 6.13 | 101 | 51247 | 70.63 | ug/L | 98 |
| 14) acrolein | 5.36 | 56 | 49899 | 244.04 | ug/L | 100 |
| 15) 1,1-dichloroethene | 5.94 | 96 | 46731 | 56.43 | ug/L | 86 |
| 16) acetone | 5.49 | 43 | 22979 | 56.44 | ug/L | 99 |
| 17) Methyl Acetate | 6.12 | 43 | 71741 | 47.35 | ug/L # | 97 |
| 18) methylene chloride | 6.09 | 84 | 64265 | 58.25 | ug/L | 94 |
| 19) methyl tert butyl ether | 6.86 | 73 | 150228 | 60.19 | ug/L | 100 |
| 20) acrylonitrile | 5.99 | 53 | 125283 | 288.90 | ug/L | 99 |
| 21) allyl chloride | 6.18 | 41 | 68645 | 67.38 | ug/L | 92 |
| 22) trans-1,2-dichloroethene | 6.77 | 96 | 53957 | 55.88 | ug/L | 96 |
| 23) iodomethane | 5.99 | 142 | 64281 | 54.13 | ug/L | 96 |
| 24) carbon disulfide | 6.35 | 76 | 192929 | 70.36 | ug/L | 98 |
| 25) propionitrile | 7.02 | 54 | 9690 | 54.95 | ug/L | 100 |
| 26) vinyl acetate | 7.12 | 43 | 63085 | 30.57 | ug/L | 99 |
| 27) chloroprene | 7.37 | 53 | 70919 | 65.69 | ug/L | 88 |
| 28) di-isopropyl ether | 7.43 | 45 | 184364 | 58.78 | ug/L | 95 |
| 29) methacrylonitrile | 7.53 | 41 | 41869 | 60.72 | ug/L | 91 |
| 30) 2-butanone | 7.42 | 72 | 7578 | 57.51 | ug/L # | 90 |
| 31) Hexane | 7.40 | 41 | 77145 | 73.31 | ug/L | 99 |
| 32) 1,1-dichloroethane | 7.01 | 63 | 99655 | 62.27 | ug/L | 96 |
| 33) tert-butyl ethyl ether | 7.82 | 59 | 163604 | 58.83 | ug/L | 97 |
| 34) isobutyl alcohol | 7.42 | 43 | 152868 | 313.06 | ug/L | 96 |
| 35) 2,2-dichloropropane | 7.86 | 77 | 79670 | 71.32 | ug/L | 99 |
| 36) cis-1,2-dichloroethene | 7.58 | 96 | 59784 | 51.51 | ug/L | 92 |
| 37) ethyl acetate | 7.74 | 43 | 54933 | 89.72 | ug/L | 81 |

(#) = qualifier out of range (m) = manual integration
N18909.D N042007W.M Fri Apr 27 11:37:30 2007 RP1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18909.D Vial: 18
Acq On : 27 Apr 2007 10:36 am Operator: alit
Sample : BS Inst : MAMSN
Misc : ms13429,msn684,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 27 11:36:23 2007 Quant Results File: N042007W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Apr 25 10:27:30 2007
Response via : Initial Calibration
DataAcq Meth : N8260

| | Compound | R.T. | QIon | Response | Conc Unit | | Qvalue |
|---|---|---|---|---|---|---|---|
| 38) | bromochloromethane | 7.74 | 128 | 30542 | 56.03 ug/L | | 95 |
| 39) | chloroform | 7.78 | 83 | 104853 | 61.21 ug/L | | 92 |
| 41) | Tetrahydrofuran | 8.11 | 42 | 18471 | 55.27 ug/L | | 92 |
| 42) | 1,1,1-trichloroethane | 8.53 | 97 | 89716 | 68.59 ug/L | | 97 |
| 44) | Cyclohexane | 8.81 | 56 | 83742 | 60.48 ug/L | | 99 |
| 45) | carbon tetrachloride | 8.89 | 117 | 80721 | 62.99 ug/L | | 97 |
| 46) | 1,1-dichloropropene | 8.71 | 75 | 71747 | 57.44 ug/L | | 96 |
| 47) | benzene | 8.93 | 78 | 220010 | 55.10 ug/L | | 99 |
| 48) | 1,2-dichloroethane | 8.43 | 62 | 80609 | 61.60 ug/L | | 96 |
| 49) | tert-amyl methyl ether | 9.06 | 73 | 148339 | 52.18 ug/L | | 96 |
| 50) | heptane | 9.43 | 43 | 54884 | 60.97 ug/L | | 96 |
| 51) | trichloroethene | 9.55 | 95 | 61416 | 55.90 ug/L | | 96 |
| 52) | 1,2-dichloropropane | 9.51 | 63 | 56633 | 55.63 ug/L | | 97 |
| 53) | dibromomethane | 9.48 | 93 | 41205 | 56.98 ug/L | | 90 |
| 54) | bromodichloromethane | 9.60 | 83 | 81984 | 57.07 ug/L | | 96 |
| 55) | Methylcyclohexane | 10.06 | 83 | 84508 | 54.46 ug/L | | 94 |
| 56) | 2-chloroethyl vinyl ether | 9.51 | 63 | 56633 | 55.62 ug/L | # | 100 |
| 57) | methyl methacrylate | 9.72 | 69 | 39714 | 51.80 ug/L | | 98 |
| 58) | 1,4-dioxane | 9.70 | 88 | 4471 | 222.33 ug/L | | 99 |
| 59) | cis-1,3-dichloropropene | 10.22 | 75 | 91481 | 58.89 ug/L | | 97 |
| 61) | 4-methyl-2-pentanone | 10.32 | 43 | 63452 | 56.54 ug/L | | 97 |
| 62) | toluene | 11.00 | 92 | 137438 | 51.78 ug/L | | 99 |
| 63) | trans-1,3-dichloropropene | 10.65 | 75 | 81482 | 59.10 ug/L | | 89 |
| 64) | 1,1,2-trichloroethane | 10.81 | 83 | 50367 | 54.84 ug/L | | 97 |
| 65) | ethyl methacrylate | 11.04 | 69 | 77608 | 54.35 ug/L | | 86 |
| 67) | tetrachloroethene | 11.74 | 166 | 73105 | 46.18 ug/L | | 94 |
| 68) | 1,3-dichloropropane | 11.04 | 76 | 97717 | 52.27 ug/L | | 89 |
| 69) | dibromochloromethane | 11.33 | 129 | 74007 | 50.43 ug/L | | 93 |
| 70) | 1,2-dibromoethane | 11.58 | 107 | 64611 | 47.74 ug/L | | 98 |
| 71) | 2-hexanone | 11.18 | 43 | 47910 | 52.09 ug/L | | 100 |
| 72) | chlorobenzene | 12.41 | 112 | 166822 | 44.95 ug/L | | 97 |
| 73) | 1,1,1,2-tetrachloroethane | 12.34 | 131 | 62708 | 50.64 ug/L | | 94 |
| 74) | ethylbenzene | 12.60 | 91 | 283053 | 50.31 ug/L | | 99 |
| 75) | m,p-xylene | 12.78 | 106 | 223493 | 98.06 ug/L | | 95 |
| 76) | o-xylene | 13.19 | 106 | 110957 | 48.62 ug/L | | 100 |
| 77) | styrene | 13.12 | 104 | 178292 | 49.37 ug/L | | 91 |
| 78) | bromoform | 12.93 | 173 | 63239 | 45.65 ug/L | | 99 |
| 79) | trans-1,4-dichloro-2-buten | 13.35 | 53 | 26144 | 55.11 ug/L | # | 77 |
| 81) | isopropylbenzene | 13.56 | 105 | 257751 | 52.15 ug/L | | 96 |
| 83) | bromobenzene | 13.83 | 156 | 92640 | 45.67 ug/L | | 95 |
| 84) | 1,1,2,2-tetrachloroethane | 13.19 | 83 | 91308 | 50.61 ug/L | | 98 |
| 85) | 1,2,3-trichloropropane | 13.34 | 75 | 104338 | 50.66 ug/L | | 98 |
| 86) | n-propylbenzene | 14.00 | 91 | 371387 | 52.16 ug/L | | 99 |
| 87) | 2-chlorotoluene | 14.11 | 91 | 220925 | 50.19 ug/L | | 98 |
| 88) | 4-chlorotoluene | 14.19 | 91 | 234933 | 50.47 ug/L | | 95 |
| 89) | 1,3,5-trimethylbenzene | 14.29 | 105 | 261137 | 52.28 ug/L | | 99 |
| 90) | tert-butylbenzene | 14.58 | 91 | 152807 | 55.70 ug/L | | 94 |
| 91) | 1,2,4-trimethylbenzene | 14.69 | 105 | 280399 | 52.56 ug/L | | 98 |
| 92) | sec-butylbenzene | 14.81 | 105 | 368997 | 53.46 ug/L | | 99 |

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18909.D Vial: 18
Acq On : 27 Apr 2007 10:36 am Operator: alit
Sample : BS Inst : MAMSN
Misc : ms13429,msn684,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 27 11:36:23 2007 Quant Results File: N042007W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Apr 25 10:27:30 2007
Response via : Initial Calibration
DataAcq Meth : N8260

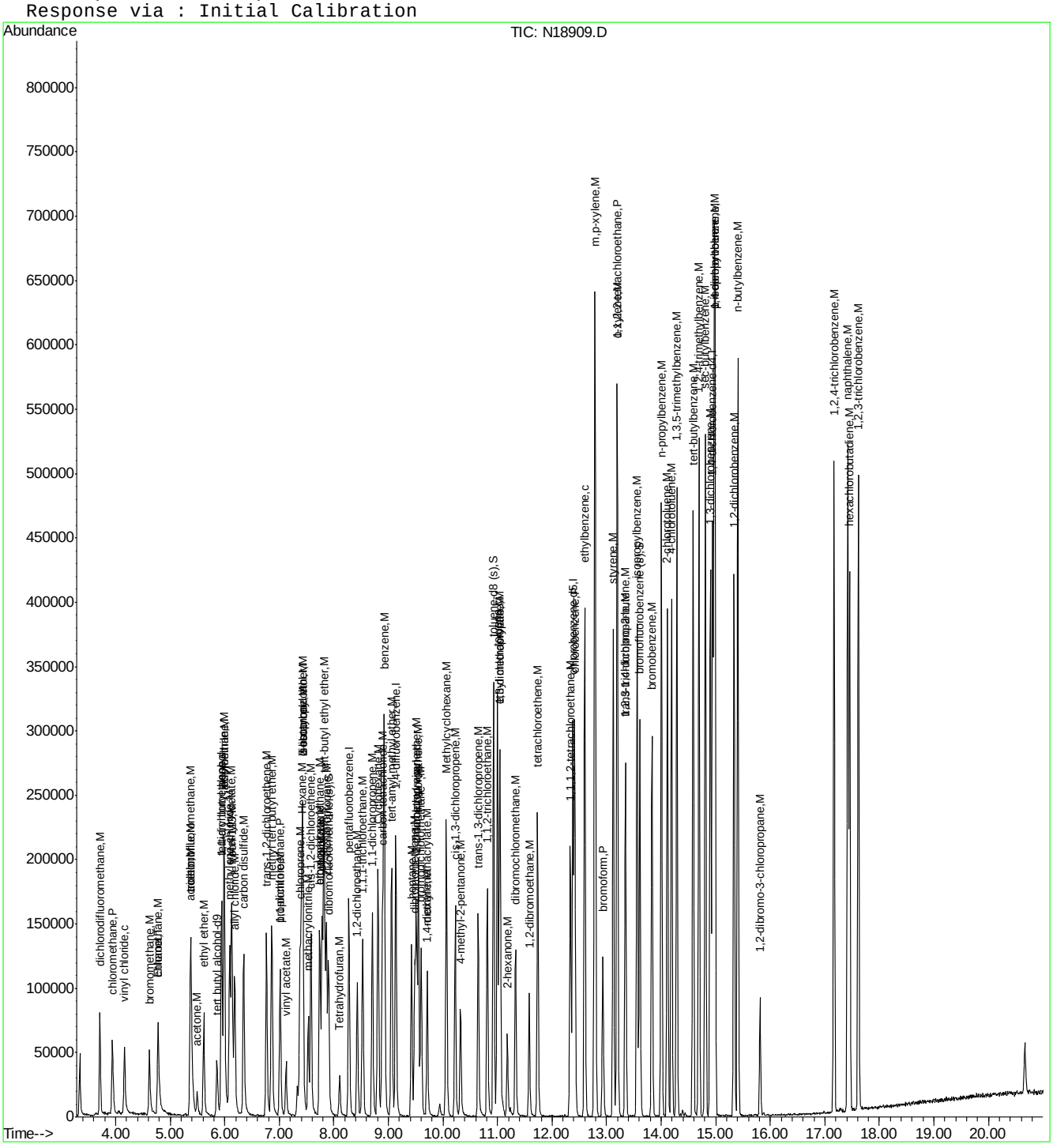
| | Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|---|---|---|---|---|---|---|---|
| 93) | 1,3-dichlorobenzene | 14.90 | 146 | 182397 | 48.98 | ug/L | 97 |
| 94) | p-isopropyltoluene | 14.99 | 119 | 314934 | 51.21 | ug/L | 98 |
| 96) | 1,4-dichlorobenzene | 14.97 | 146 | 192887 | 51.62 | ug/L | 97 |
| 97) | 1,2-dichlorobenzene | 15.34 | 146 | 182997 | 47.03 | ug/L | 100 |
| 98) | n-butylbenzene | 15.40 | 91 | 332722 | 54.25 | ug/L | 98 |
| 99) | 1,2-dibromo-3-chloropropan | 15.81 | 75 | 20248 | 53.78 | ug/L | 85 |
| 100) | 1,2,4-trichlorobenzene | 17.17 | 180 | 160123 | 49.75 | ug/L | 98 |
| 101) | hexachlorobutadiene | 17.45 | 225 | 84446 | 52.55 | ug/L | 91 |
| 102) | naphthalene | 17.42 | 128 | 384446 | 51.30 | ug/L | 100 |
| 103) | 1,2,3-trichlorobenzene | 17.62 | 180 | 158599 | 53.21 | ug/L | 98 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed
N18909.D N042007W.M Fri Apr 27 11:37:30 2007 RP1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18909.D Vial: 18
Acq On : 27 Apr 2007 10:36 am Operator: alit
Sample : BS Inst : MAMSN
Misc : ms13429,msn684,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 27 11:36 2007 Quant Results File: N042007W.RES

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Apr 25 10:27:30 2007
Response via : Initial Calibration




N18909.D N042007W.M Fri Apr 27 11:37:31 2007 RP1 Page 4

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18910.D Vial: 19
Acq On : 27 Apr 2007 11:04 am Operator: alit
Sample : BSD Inst : MAMSN
Misc : ms13429,msn684,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 27 11:37:37 2007 Quant Results File: N042007W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Apr 25 10:27:30 2007
Response via : Initial Calibration
DataAcq Meth : N8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 5.85 | 65 | 59657 | 500.00 | ug/L | 0.00 |
| 3) pentafluorobenzene | 8.28 | 168 | 127949 | 50.00 | ug/L | 0.00 |
| 43) 1,4-difluorobenzene | 9.14 | 114 | 181664 | 50.00 | ug/L | 0.00 |
| 66) chlorobenzene-d5 | 12.38 | 82 | 101427 | 50.00 | ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 14.94 | 152 | 127278 | 50.00 | ug/L | 0.00 |

System Monitoring Compounds

| | | | | | | |
|---|---|---|---|---|---|---|
| 40) dibromofluoromethane (s) | 7.90 | 113 | 66562 | 54.78 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 84 - 129 | | Recovery = 109.56% | | | |
| 60) toluene-d8 (s) | 10.93 | 98 | 229352 | 50.28 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 100.56% | | | |
| 82) bromofluorobenzene (s) | 13.61 | 95 | 99466 | 49.43 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 82 - 118 | | Recovery = 98.86% | | | |

Target Compounds

| | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 2) tertiary butyl alcohol | 5.94 | 59 | 73600 | 481.26 | ug/L | 96 |
| 4) Ethanol | 4.78 | 45 | 76766 | 5927.69 | ug/L | 97 |
| 5) dichlorodifluoromethane | 3.71 | 85 | 64465 | 81.38 | ug/L | 98 |
| 6) chloromethane | 3.94 | 50 | 65647 | 67.65 | ug/L | 98 |
| 7) vinyl chloride | 4.16 | 62 | 56878 | 71.36 | ug/L | 99 |
| 8) bromomethane | 4.62 | 96 | 35860 | 66.33 | ug/L | 98 |
| 9) chloroethane | 4.77 | 64 | 26423 | 69.59 | ug/L | 89 |
| 10) ethyl ether | 5.61 | 59 | 42969 | 52.53 | ug/L | 98 |
| 11) acetonitrile | 5.38 | 41 | 16611 | 60.17 | ug/L | 89 |
| 12) trichlorofluoromethane | 5.38 | 101 | 85614 | 62.33 | ug/L | 99 |
| 13) freon-113 | 6.13 | 101 | 52303 | 66.73 | ug/L | 96 |
| 14) acrolein | 5.37 | 56 | 54929 | 248.40 | ug/L | 99 |
| 15) 1,1-dichloroethene | 5.94 | 96 | 47577 | 53.19 | ug/L | 86 |
| 16) acetone | 5.50 | 43 | 26505 | 60.19 | ug/L | 99 |
| 17) Methyl Acetate | 6.12 | 43 | 80197 | 48.94 | ug/L | 96 |
| 18) methylene chloride | 6.09 | 84 | 63091 | 52.88 | ug/L | 95 |
| 19) methyl tert butyl ether | 6.86 | 73 | 156215 | 57.87 | ug/L | 99 |
| 20) acrylonitrile | 5.99 | 53 | 140283 | 299.11 | ug/L | 95 |
| 21) allyl chloride | 6.18 | 41 | 69423 | 63.01 | ug/L | 98 |
| 22) trans-1,2-dichloroethene | 6.77 | 96 | 55113 | 52.78 | ug/L | 95 |
| 23) iodomethane | 5.99 | 142 | 64101 | 49.73 | ug/L | 93 |
| 24) carbon disulfide | 6.35 | 76 | 198186 | 66.83 | ug/L | 98 |
| 25) propionitrile | 7.02 | 54 | 11526 | 60.44 | ug/L | 100 |
| 26) vinyl acetate | 7.12 | 43 | 68926 | 30.85 | ug/L | 99 |
| 27) chloroprene | 7.38 | 53 | 74087 | 63.50 | ug/L | 95 |
| 28) di-isopropyl ether | 7.43 | 45 | 189392 | 55.84 | ug/L | 96 |
| 29) methacrylonitrile | 7.53 | 41 | 45892 | 61.54 | ug/L | 97 |
| 30) 2-butanone | 7.42 | 72 | 8360 | 58.66 | ug/L # | 94 |
| 31) Hexane | 7.40 | 41 | 79664 | 70.00 | ug/L # | 87 |
| 32) 1,1-dichloroethane | 7.01 | 63 | 99576 | 57.54 | ug/L | 98 |
| 33) tert-butyl ethyl ether | 7.82 | 59 | 171007 | 56.86 | ug/L | 98 |
| 34) isobutyl alcohol | 7.42 | 43 | 160697 | 304.29 | ug/L | 100 |
| 35) 2,2-dichloropropane | 7.86 | 77 | 79166 | 65.53 | ug/L | 99 |
| 36) cis-1,2-dichloroethene | 7.58 | 96 | 62113 | 49.48 | ug/L | 94 |
| 37) ethyl acetate | 7.74 | 43 | 61942 | 93.55 | ug/L | 82 |

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18910.D Vial: 19
Acq On : 27 Apr 2007 11:04 am Operator: alit
Sample : BSD Inst : MAMSN
Misc : ms13429,msn684,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 27 11:37:37 2007 Quant Results File: N042007W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Apr 25 10:27:30 2007
Response via : Initial Calibration
DataAcq Meth : N8260

| Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|
| 38) bromochloromethane | 7.74 | 128 | 31256 | 53.02 ug/L | 98 |
| 39) chloroform | 7.78 | 83 | 106186 | 57.32 ug/L | 97 |
| 41) Tetrahydrofuran | 8.11 | 42 | 21725 | 60.64 ug/L | 99 |
| 42) 1,1,1-trichloroethane | 8.53 | 97 | 89288 | 63.12 ug/L | 97 |
| 44) Cyclohexane | 8.81 | 56 | 87141 | 58.58 ug/L | 96 |
| 45) carbon tetrachloride | 8.89 | 117 | 81675 | 59.33 ug/L | 99 |
| 46) 1,1-dichloropropene | 8.70 | 75 | 72431 | 54.01 ug/L | 95 |
| 47) benzene | 8.93 | 78 | 221108 | 51.55 ug/L | 97 |
| 48) 1,2-dichloroethane | 8.43 | 62 | 83417 | 59.34 ug/L | 95 |
| 49) tert-amyl methyl ether | 9.05 | 73 | 156110 | 51.12 ug/L | 97 |
| 50) heptane | 9.42 | 43 | 55255 | 57.13 ug/L | 97 |
| 51) trichloroethene | 9.55 | 95 | 63125 | 53.49 ug/L | 98 |
| 52) 1,2-dichloropropane | 9.51 | 63 | 58576 | 53.56 ug/L | 98 |
| 53) dibromomethane | 9.48 | 93 | 42595 | 54.83 ug/L | 92 |
| 54) bromodichloromethane | 9.60 | 83 | 84837 | 54.98 ug/L | 95 |
| 55) Methylcyclohexane | 10.06 | 83 | 87970 | 52.78 ug/L | 98 |
| 56) 2-chloroethyl vinyl ether | 9.51 | 63 | 58576 | 53.56 ug/L # | 99 |
| 57) methyl methacrylate | 9.71 | 69 | 43198 | 52.45 ug/L | 82 |
| 58) 1,4-dioxane | 9.69 | 88 | 4898 | 226.73 ug/L | 100 |
| 59) cis-1,3-dichloropropene | 10.22 | 75 | 93917 | 56.28 ug/L | 98 |
| 61) 4-methyl-2-pentanone | 10.32 | 43 | 71379 | 59.21 ug/L | 96 |
| 62) toluene | 11.00 | 92 | 141346 | 49.57 ug/L | 96 |
| 63) trans-1,3-dichloropropene | 10.65 | 75 | 84564 | 57.10 ug/L | 96 |
| 64) 1,1,2-trichloroethane | 10.81 | 83 | 52506 | 53.22 ug/L | 97 |
| 65) ethyl methacrylate | 11.04 | 69 | 82395 | 53.71 ug/L | 90 |
| 67) tetrachloroethene | 11.74 | 166 | 75266 | 44.89 ug/L | 92 |
| 68) 1,3-dichloropropane | 11.05 | 76 | 101977 | 51.50 ug/L | 100 |
| 69) dibromochloromethane | 11.33 | 129 | 76828 | 49.43 ug/L | 98 |
| 70) 1,2-dibromoethane | 11.58 | 107 | 69395 | 48.41 ug/L | 98 |
| 71) 2-hexanone | 11.18 | 43 | 55246 | 56.72 ug/L | 99 |
| 72) chlorobenzene | 12.41 | 112 | 171244 | 43.56 ug/L | 98 |
| 73) 1,1,1,2-tetrachloroethane | 12.34 | 131 | 65328 | 49.81 ug/L | 86 |
| 74) ethylbenzene | 12.60 | 91 | 286928 | 48.15 ug/L | 100 |
| 75) m,p-xylene | 12.79 | 106 | 229552 | 95.10 ug/L | 96 |
| 76) o-xylene | 13.19 | 106 | 113846 | 47.10 ug/L | 89 |
| 77) styrene | 13.12 | 104 | 182742 | 47.77 ug/L | 93 |
| 78) bromoform | 12.93 | 173 | 65772 | 44.92 ug/L | 98 |
| 79) trans-1,4-dichloro-2-buten | 13.35 | 53 | 28388 | 56.50 ug/L | 87 |
| 81) isopropylbenzene | 13.56 | 105 | 265991 | 51.97 ug/L | 99 |
| 83) bromobenzene | 13.83 | 156 | 96067 | 45.74 ug/L | 94 |
| 84) 1,1,2,2-tetrachloroethane | 13.20 | 83 | 99875 | 53.46 ug/L | 93 |
| 85) 1,2,3-trichloropropane | 13.34 | 75 | 115698 | 54.25 ug/L | 100 |
| 86) n-propylbenzene | 14.00 | 91 | 382875 | 51.93 ug/L | 96 |
| 87) 2-chlorotoluene | 14.11 | 91 | 226935 | 49.79 ug/L | 94 |
| 88) 4-chlorotoluene | 14.19 | 91 | 239499 | 49.69 ug/L | 96 |
| 89) 1,3,5-trimethylbenzene | 14.29 | 105 | 265535 | 51.34 ug/L | 95 |
| 90) tert-butylbenzene | 14.59 | 91 | 154524 | 54.40 ug/L | 95 |
| 91) 1,2,4-trimethylbenzene | 14.69 | 105 | 285897 | 51.76 ug/L | 98 |
| 92) sec-butylbenzene | 14.81 | 105 | 374499 | 52.40 ug/L | 98 |

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18910.D Vial: 19
Acq On : 27 Apr 2007 11:04 am Operator: alit
Sample : BSD Inst : MAMSN
Misc : ms13429,msn684,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 27 11:37:37 2007 Quant Results File: N042007W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Apr 25 10:27:30 2007
Response via : Initial Calibration
DataAcq Meth : N8260

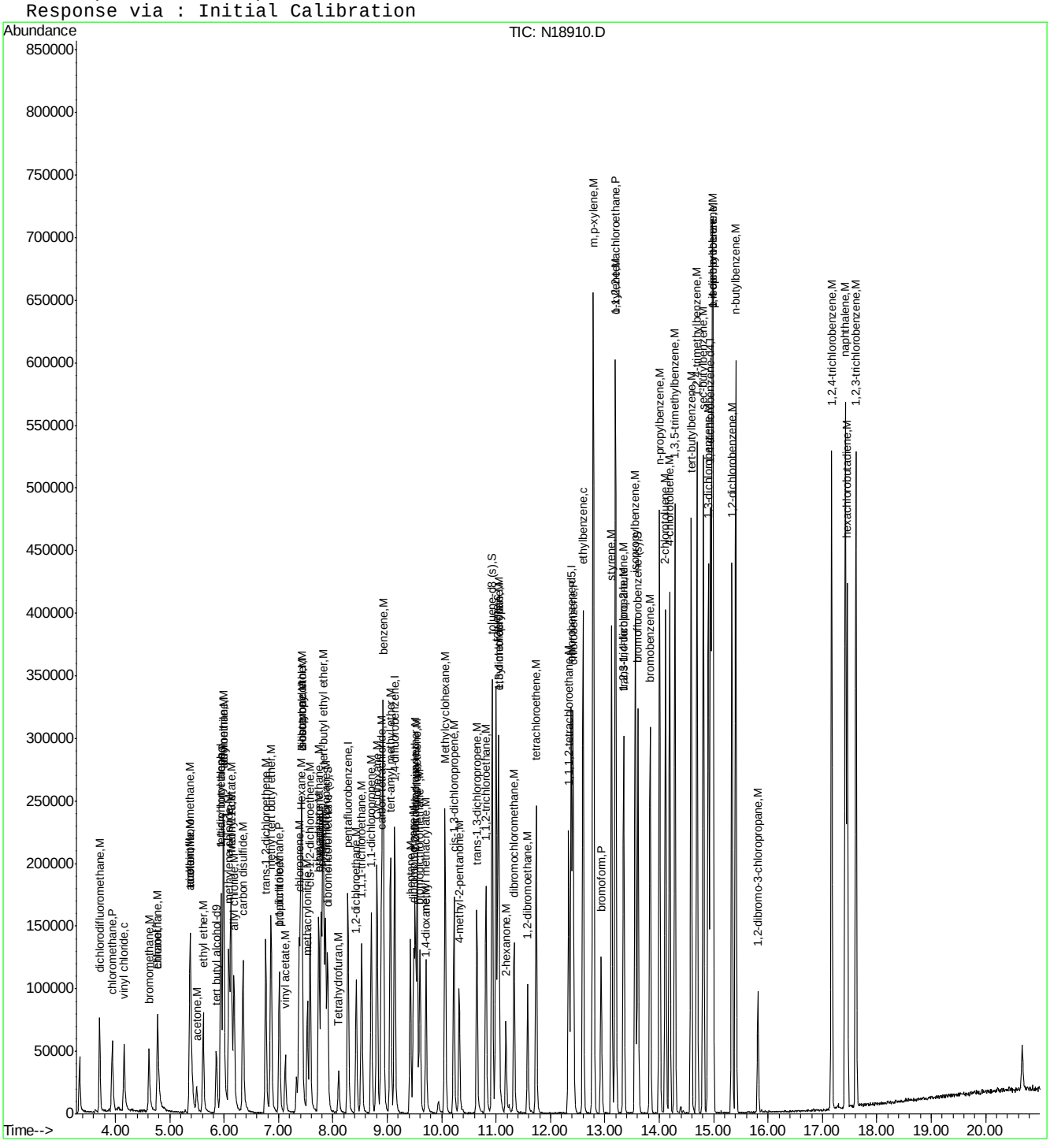
| | Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|---|---|---|---|---|---|---|---|
| 93) | 1,3-dichlorobenzene | 14.90 | 146 | 186628 | 48.36 | ug/L | 99 |
| 94) | p-isopropyltoluene | 14.99 | 119 | 320168 | 50.28 | ug/L | 99 |
| 96) | 1,4-dichlorobenzene | 14.97 | 146 | 197851 | 51.08 | ug/L | 96 |
| 97) | 1,2-dichlorobenzene | 15.34 | 146 | 188090 | 46.68 | ug/L | 99 |
| 98) | n-butylbenzene | 15.40 | 91 | 331451 | 52.19 | ug/L | 95 |
| 99) | 1,2-dibromo-3-chloropropan | 15.82 | 75 | 21938 | 56.27 | ug/L | 94 |
| 100) | 1,2,4-trichlorobenzene | 17.17 | 180 | 164761 | 49.44 | ug/L | 98 |
| 101) | hexachlorobutadiene | 17.45 | 225 | 85208 | 51.21 | ug/L | 99 |
| 102) | naphthalene | 17.42 | 128 | 416831 | 53.72 | ug/L | 100 |
| 103) | 1,2,3-trichlorobenzene | 17.61 | 180 | 163044 | 52.80 | ug/L | 99 |

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18910.D Vial: 19
Acq On : 27 Apr 2007 11:04 am Operator: alit
Sample : BSD Inst : MAMSN
Misc : ms13429,msn684,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 27 11:37 2007 Quant Results File: N042007W.RES

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Apr 25 10:27:30 2007
Response via : Initial Calibration










ACCUTEST Laboratories M64162

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani 04/30/07 16:05

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69216.D Vial: 2
Acq On : 27 Apr 2007 1:03 pm Operator: kimt
Sample : BS Inst : 5973 G
Misc : MS13436,MSG2784,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 27 13:37 2007 Quant Results File: G042507W.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration
DataAcq Meth : G8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 6.41 | 65 | 137056 | 500.00 | ppb | 0.00 |
| 3) pentafluorobenzene | 8.74 | 168 | 451136 | 50.00 | ppb | 0.00 |
| 43) 1,4-difluorobenzene | 9.61 | 114 | 627226 | 50.00 | ppb | 0.00 |
| 66) chlorobenzene-d5 | 12.86 | 82 | 323639 | 50.00 | ppb | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 15.42 | 152 | 369494 | 50.00 | ppb | 0.00 |

System Monitoring Compounds

| | | | | | | |
|---|---|---|---|---|---|---|
| 40) dibromofluoromethane (s) | 8.38 | 113 | 194278 | 49.75 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 83 - 127 | | Recovery = 99.50% | | | |
| 60) toluene-d8 (s) | 11.40 | 98 | 761048 | 49.89 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 89 - 112 | | Recovery = 99.78% | | | |
| 82) bromofluorobenzene (s) | 14.09 | 95 | 296232 | 48.85 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 81 - 119 | | Recovery = 97.70% | | | |

Target Compounds

| | | | | | | | Qvalue |
|---|---|---|---|---|---|---|---|
| 2) tertiary butyl alcohol | 6.45 | 59 | 152804m | 474.50 | ppb | | |
| 4) Ethanol | 5.50 | 45 | 116067m | 5010.78 | ppb | | |
| 5) dichlorodifluoromethane | 4.15 | 85 | 170790 | 38.21 | ppb | | 95 |
| 6) chloromethane | 4.34 | 50 | 249299 | 48.45 | ppb | | 100 |
| 7) vinyl chloride | 4.61 | 62 | 234249 | 48.09 | ppb | | 94 |
| 8) bromomethane | 5.07 | 96 | 169543 | 46.36 | ppb | | 96 |
| 9) chloroethane | 5.23 | 64 | 159550 | 48.83 | ppb | | 99 |
| 10) ethyl ether | 6.07 | 59 | 170896 | 46.38 | ppb | | 95 |
| 11) acetonitrile | 5.78 | 41 | 13570 | 36.39 | ppb | # | 1 |
| 12) trichlorofluoromethane | 5.87 | 101 | 255521 | 47.29 | ppb | | 97 |
| 13) freon-113 | 6.63 | 101 | 195539 | 52.17 | ppb | | 98 |
| 14) acrolein | 5.84 | 56 | 153089 | 208.24 | ppb | | 99 |
| 15) 1,1-dichloroethene | 6.42 | 96 | 191404 | 47.57 | ppb | | 94 |
| 16) acetone | 5.98 | 43 | 52729m | 46.55 | ppb | | |
| 17) Methyl Acetate | 6.61 | 43 | 256501 | 41.96 | ppb | | 96 |
| 18) methylene chloride | 6.56 | 84 | 237992 | 48.78 | ppb | | 99 |
| 19) methyl tert butyl ether | 7.34 | 73 | 609163 | 50.12 | ppb | | 100 |
| 20) acrylonitrile | 6.48 | 53 | 476213 | 259.53 | ppb | | 100 |
| 21) allyl chloride | 6.65 | 41 | 346026 | 49.52 | ppb | | 99 |
| 22) trans-1,2-dichloroethene | 7.24 | 96 | 217000 | 47.96 | ppb | | 99 |
| 23) iodomethane | 6.48 | 142 | 377513 | 49.57 | ppb | | 99 |
| 24) carbon disulfide | 6.84 | 76 | 694215 | 54.03 | ppb | | 99 |
| 25) propionitrile | 6.48 | 54 | 18152 | 52.27 | ppb | | 100 |
| 26) vinyl acetate | 7.59 | 43 | 240769 | 29.76 | ppb | | 98 |
| 27) chloroprene | 7.85 | 53 | 290389 | 51.79 | ppb | | 97 |
| 28) di-isopropyl ether | 7.90 | 45 | 738859 | 45.75 | ppb | | 94 |
| 29) methacrylonitrile | 8.01 | 41 | 150492 | 47.36 | ppb | | 98 |
| 30) 2-butanone | 7.92 | 72 | 27294 | 47.91 | ppb | # | 72 |
| 31) Hexane | 7.88 | 41 | 317175 | 47.16 | ppb | | 85 |
| 32) 1,1-dichloroethane | 7.49 | 63 | 380530 | 48.16 | ppb | | 99 |
| 33) tert-butyl ethyl ether | 8.30 | 59 | 655989 | 47.80 | ppb | | 99 |
| 34) isobutyl alcohol | 8.32 | 43 | 125637 | 251.73 | ppb | # | 74 |
| 35) 2,2-dichloropropane | 8.36 | 77 | 276233 | 54.63 | ppb | | 99 |
| 36) cis-1,2-dichloroethene | 8.06 | 96 | 231281 | 45.37 | ppb | | 94 |
| 37) ethyl acetate | 8.21 | 43 | 182416 | 2003.21 | ppb | | 86 |

(#) = qualifier out of range (m) = manual integration
G69216.D G042507W.M Fri Apr 27 13:37:19 2007 RP1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69216.D Vial: 2
Acq On : 27 Apr 2007 1:03 pm Operator: kimt
Sample : BS Inst : 5973 G
Misc : MS13436,MSG2784,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 27 13:37 2007 Quant Results File: G042507W.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration
DataAcq Meth : G8260

| | Compound | R.T. | QIon | Response | Conc | Unit | | Qvalue |
|---|---|---|---|---|---|---|---|---|
| 38) | bromochloromethane | 8.22 | 128 | 121121 | 48.25 | ppb | | 100 |
| 39) | chloroform | 8.26 | 83 | 371688 | 47.77 | ppb | | 94 |
| 41) | Tetrahydrofuran | 8.62 | 42 | 70639 | 51.88 | ppb | | 93 |
| 42) | 1,1,1-trichloroethane | 9.02 | 97 | 310343 | 48.65 | ppb | | 97 |
| 44) | Cyclohexane | 9.30 | 56 | 358524 | 49.19 | ppb | | 98 |
| 45) | carbon tetrachloride | 9.38 | 117 | 291301 | 50.24 | ppb | | 97 |
| 46) | 1,1-dichloropropene | 9.18 | 75 | 276382 | 49.94 | ppb | | 99 |
| 47) | benzene | 9.41 | 78 | 864890 | 48.90 | ppb | | 99 |
| 48) | 1,2-dichloroethane | 8.91 | 62 | 270719 | 49.06 | ppb | | 99 |
| 49) | tert-amyl methyl ether | 9.54 | 73 | 609109 | 48.71 | ppb | | 99 |
| 50) | heptane | 9.89 | 43 | 316972 | 53.19 | ppb | | 99 |
| 51) | trichloroethene | 10.03 | 95 | 213474 | 48.88 | ppb | | 93 |
| 52) | 1,2-dichloropropane | 9.99 | 63 | 218289 | 49.25 | ppb | | 99 |
| 53) | dibromomethane | 9.97 | 93 | 134833 | 47.99 | ppb | | 97 |
| 54) | bromodichloromethane | 10.08 | 83 | 290457 | 46.91 | ppb | | 96 |
| 55) | Methylcyclohexane | 10.55 | 83 | 372143 | 50.53 | ppb | | 97 |
| 57) | methyl methacrylate | 10.18 | 69 | 155058 | 51.66 | ppb | | 98 |
| 58) | 1,4-dioxane | 10.27 | 88 | 7015 | 265.72 | ppb | | 66 |
| 59) | cis-1,3-dichloropropene | 10.70 | 75 | 347118 | 51.35 | ppb | | 98 |
| 61) | 4-methyl-2-pentanone | 10.79 | 43 | 234800 | 51.44 | ppb | | 99 |
| 62) | toluene | 11.48 | 92 | 552121 | 48.59 | ppb | | 98 |
| 63) | trans-1,3-dichloropropene | 11.12 | 75 | 296768 | 52.79 | ppb | | 96 |
| 64) | 1,1,2-trichloroethane | 11.29 | 83 | 168802 | 49.38 | ppb | | 99 |
| 65) | ethyl methacrylate | 11.50 | 69 | 297358 | 52.42 | ppb | | 93 |
| 67) | tetrachloroethene | 12.22 | 166 | 264458 | 48.45 | ppb | | 98 |
| 68) | 1,3-dichloropropane | 11.52 | 76 | 344420 | 48.68 | ppb | | 99 |
| 69) | dibromochloromethane | 11.81 | 129 | 243090 | 47.67 | ppb | | 98 |
| 70) | 1,2-dibromoethane | 12.06 | 107 | 212332 | 49.94 | ppb | | 99 |
| 71) | 2-hexanone | 11.65 | 43 | 166978 | 51.69 | ppb | | 99 |
| 72) | chlorobenzene | 12.90 | 112 | 623601 | 46.72 | ppb | | 99 |
| 73) | 1,1,1,2-tetrachloroethane | 12.82 | 131 | 231916 | 48.51 | ppb | | 99 |
| 74) | ethylbenzene | 13.07 | 91 | 1057562 | 49.38 | ppb | | 98 |
| 75) | m,p-xylene | 13.26 | 106 | 837405 | 98.19 | ppb | | 98 |
| 76) | o-xylene | 13.67 | 106 | 415528 | 48.78 | ppb | | 98 |
| 77) | styrene | 13.60 | 104 | 703749 | 50.80 | ppb | | 98 |
| 78) | bromoform | 13.42 | 173 | 195665 | 47.51 | ppb | | 100 |
| 79) | trans-1,4-dichloro-2-buten | 13.82 | 53 | 53697 | 40.95 | ppb | # | 74 |
| 81) | isopropylbenzene | 14.03 | 105 | 960897 | 48.74 | ppb | | 100 |
| 83) | bromobenzene | 14.32 | 156 | 314459 | 47.40 | ppb | | 96 |
| 84) | 1,1,2,2-tetrachloroethane | 13.67 | 83 | 297552 | 48.93 | ppb | | 99 |
| 85) | 1,2,3-trichloropropane | 13.82 | 75 | 296091 | 46.75 | ppb | | 100 |
| 86) | n-propylbenzene | 14.48 | 91 | 1276204 | 48.49 | ppb | | 100 |
| 87) | 2-chlorotoluene | 14.60 | 91 | 756076 | 47.31 | ppb | | 98 |
| 88) | 4-chlorotoluene | 14.67 | 91 | 772107 | 47.69 | ppb | | 99 |
| 89) | 1,3,5-trimethylbenzene | 14.76 | 105 | 928671 | 49.17 | ppb | | 98 |
| 90) | tert-butylbenzene | 15.06 | 91 | 488820 | 49.13 | ppb | | 98 |
| 91) | 1,2,4-trimethylbenzene | 15.17 | 105 | 958499 | 49.06 | ppb | | 99 |
| 92) | sec-butylbenzene | 15.29 | 105 | 1226487 | 49.41 | ppb | | 100 |
| 93) | 1,3-dichlorobenzene | 15.39 | 146 | 594195 | 47.35 | ppb | | 97 |

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69216.D Vial: 2
Acq On : 27 Apr 2007 1:03 pm Operator: kimt
Sample : BS Inst : 5973 G
Misc : MS13436,MSG2784,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 27 13:37 2007 Quant Results File: G042507W.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration
DataAcq Meth : G8260

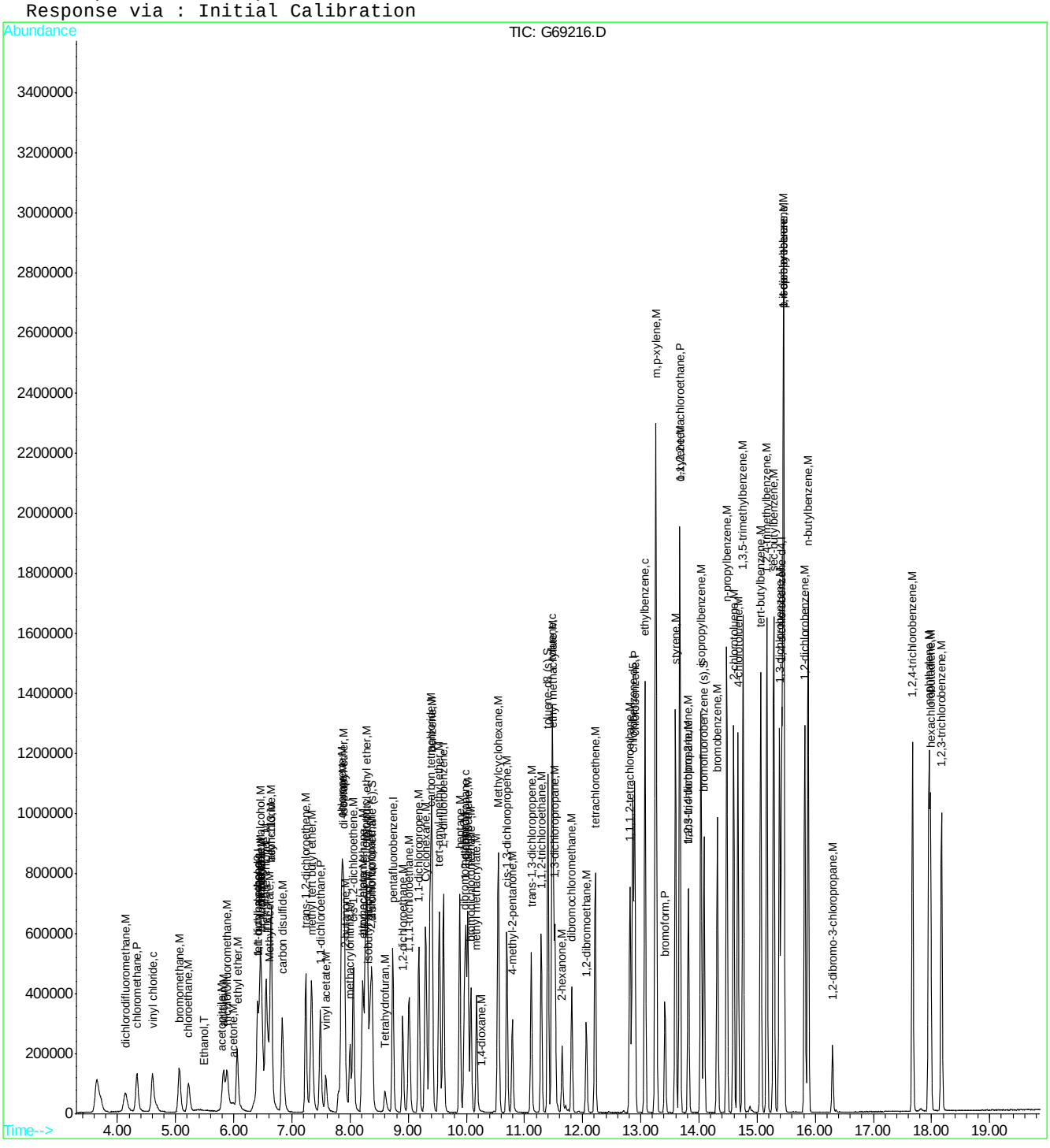
| | Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|---|---|---|---|---|---|---|---|
| 94) | p-isopropyltoluene | 15.46 | 119 | 1078781 | 49.38 | ppb | 99 |
| 95) | 1,4-dichlorobenzene | 15.45 | 146 | 623759 | 47.72 | ppb | 99 |
| 96) | 1,2-dichlorobenzene | 15.82 | 146 | 584133 | 48.61 | ppb | 99 |
| 97) | n-butylbenzene | 15.88 | 91 | 992374 | 51.23 | ppb | 98 |
| 98) | 1,2-dibromo-3-chloropropan | 16.30 | 75 | 53450 | 48.97 | ppb | 89 |
| 99) | 1,2,4-trichlorobenzene | 17.67 | 180 | 453026 | 52.47 | ppb | 99 |
| 100) | hexachlorobutadiene | 17.98 | 225 | 252570 | 52.38 | ppb | 96 |
| 101) | naphthalene | 17.95 | 128 | 989257 | 53.18 | ppb | 100 |
| 102) | 1,2,3-trichlorobenzene | 18.17 | 180 | 395802 | 52.51 | ppb | 100 |

(#) = qualifier out of range (m) = manual integration
G69216.D G042507W.M Fri Apr 27 13:37:20 2007 RP1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\G69216.D Vial: 2
Acq On : 27 Apr 2007 1:03 pm Operator: kimt
Sample : BS Inst : 5973 G
Misc : MS13436,MSG2784,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 27 13:37 2007 Quant Results File: G042507W.RES

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration







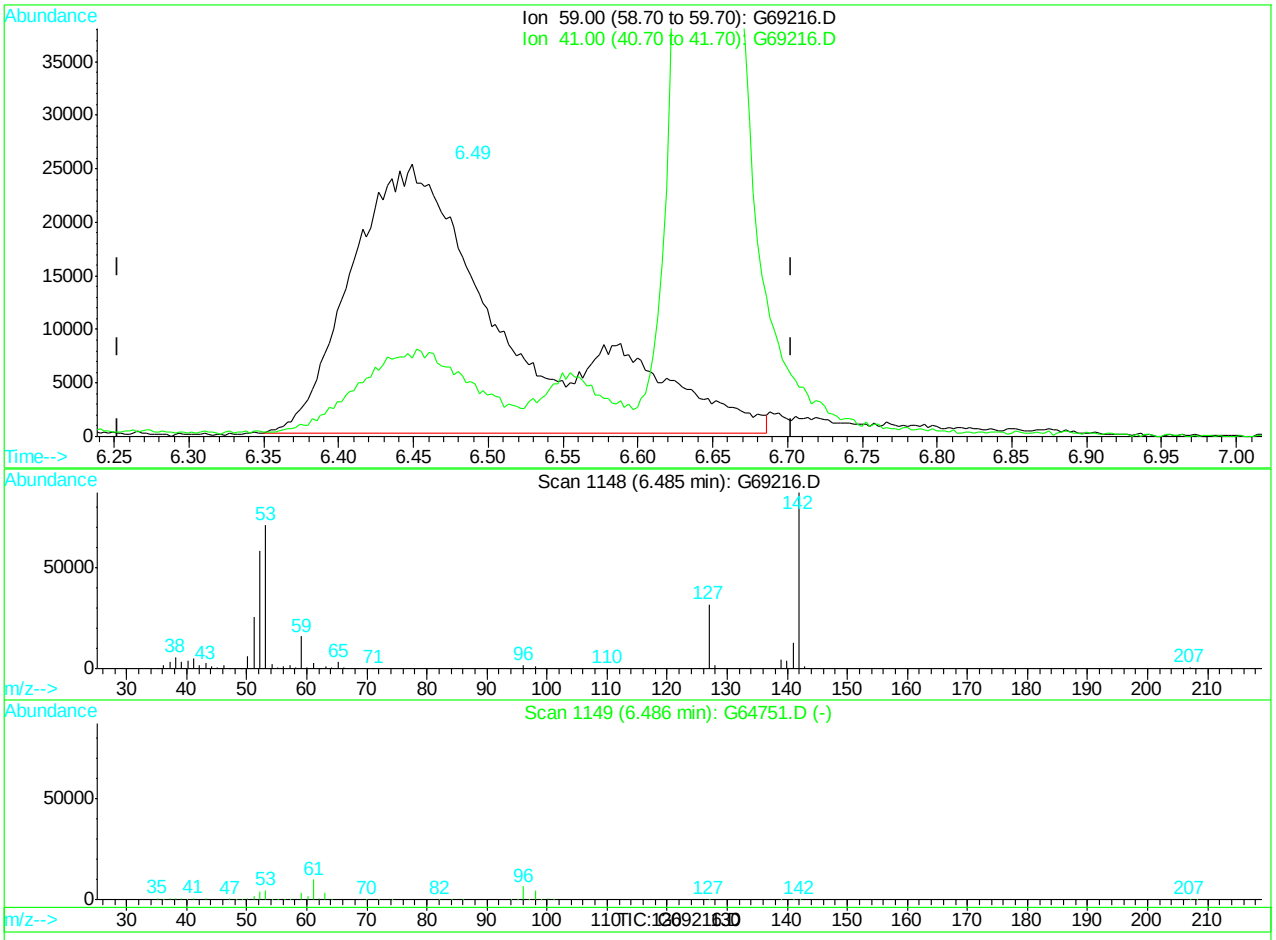



ACCUTEST Laboratories M64162

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69216.D  Vial: 2
Acq On : 27 Apr 2007 1:03 pm  Operator: kimt
Sample : BS  Inst : 5973 G
Misc : MS13436,MSG2784,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 27 13:34 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Multiple Level Calibration




(2) tertiary butyl alcohol (M)

6.49min 577.75ppb

response 186051

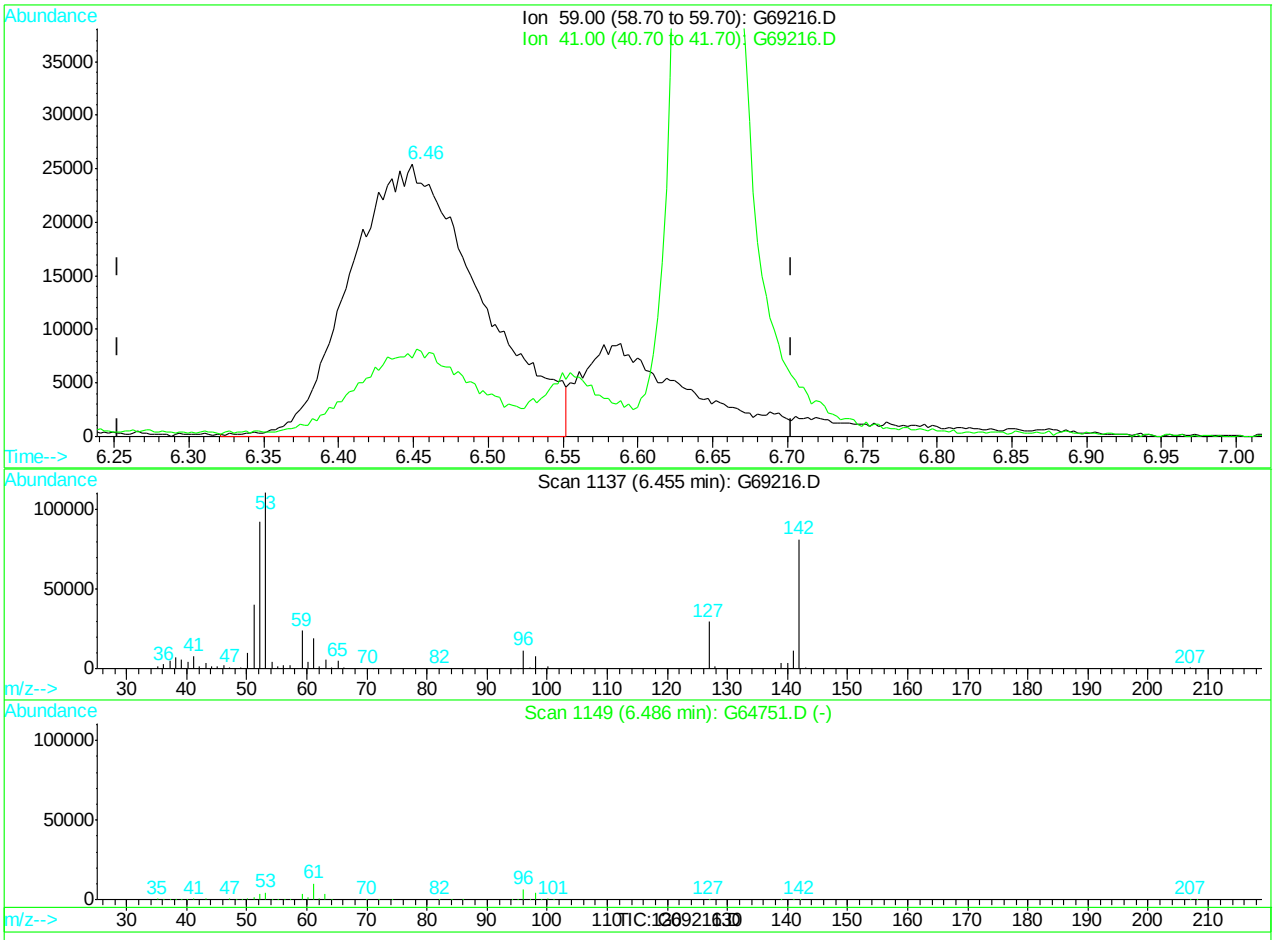
| Ion | Exp% | Act% |
|---|---|---|
| 59.00 | 100 | 100 |
| 41.00 | 34.40 | 29.71 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

G69216.D G042507W.M Fri Apr 27 13:34:58 2007 RP1

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69216.D  Vial: 2
Acq On : 27 Apr 2007 1:03 pm  Operator: kimt
Sample : BS  Inst : 5973 G
Misc : MS13436,MSG2784,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 27 13:35 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Multiple Level Calibration




(2) tertiary butyl alcohol (M)

6.45min 474.50ppb m

response 152804

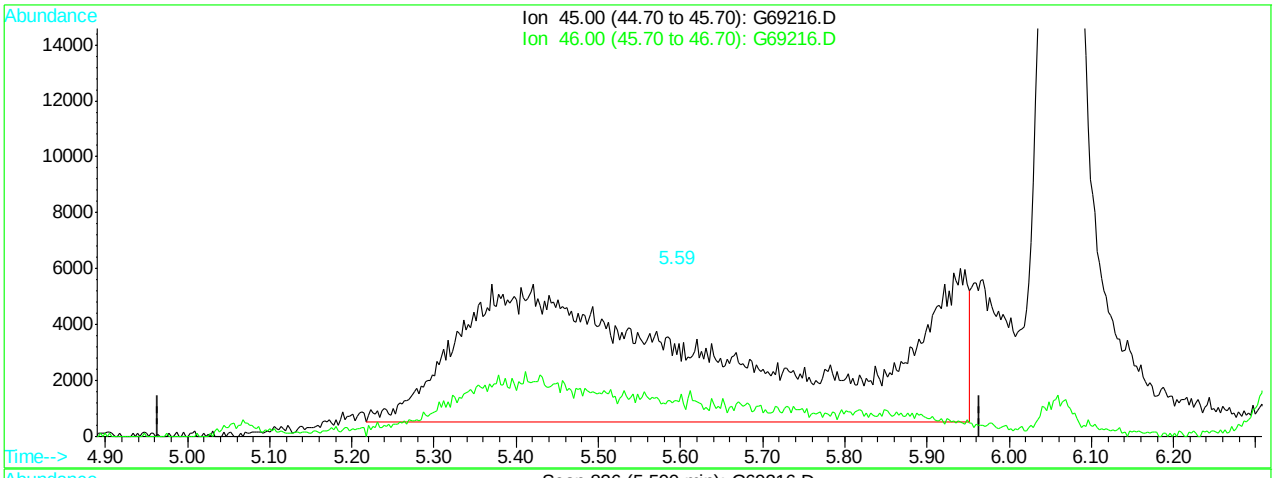
| Ion | Exp% | Act% |
|---|---|---|
| 59.00 | 100 | 100 |
| 41.00 | 34.40 | 33.51 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

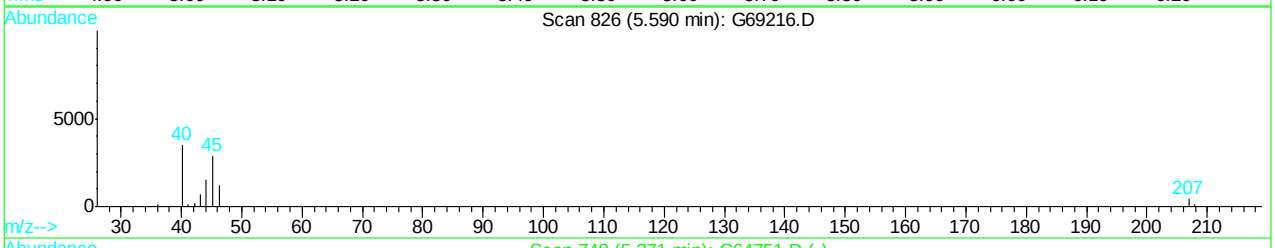
G69216.D G042507W.M Fri Apr 27 13:35:11 2007 RP1

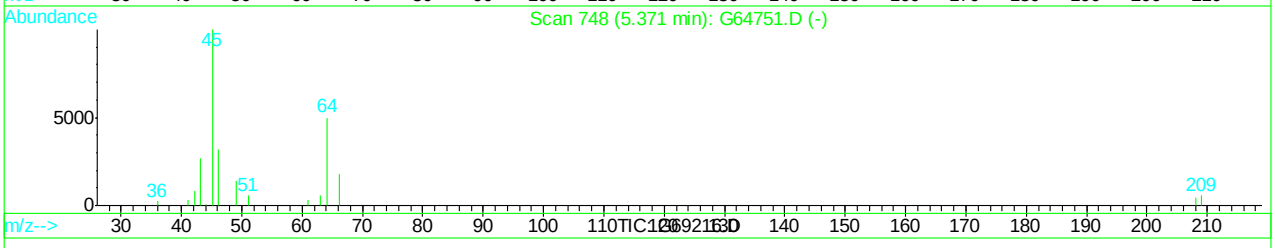
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69216.D  Vial: 2
Acq On : 27 Apr 2007 1:03 pm  Operator: kimt
Sample : BS  Inst : 5973 G
Misc : MS13436,MSG2784,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 27 13:35 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Multiple Level Calibration




(4) Ethanol (T)

5.59min 5081.19ppb

response 117641

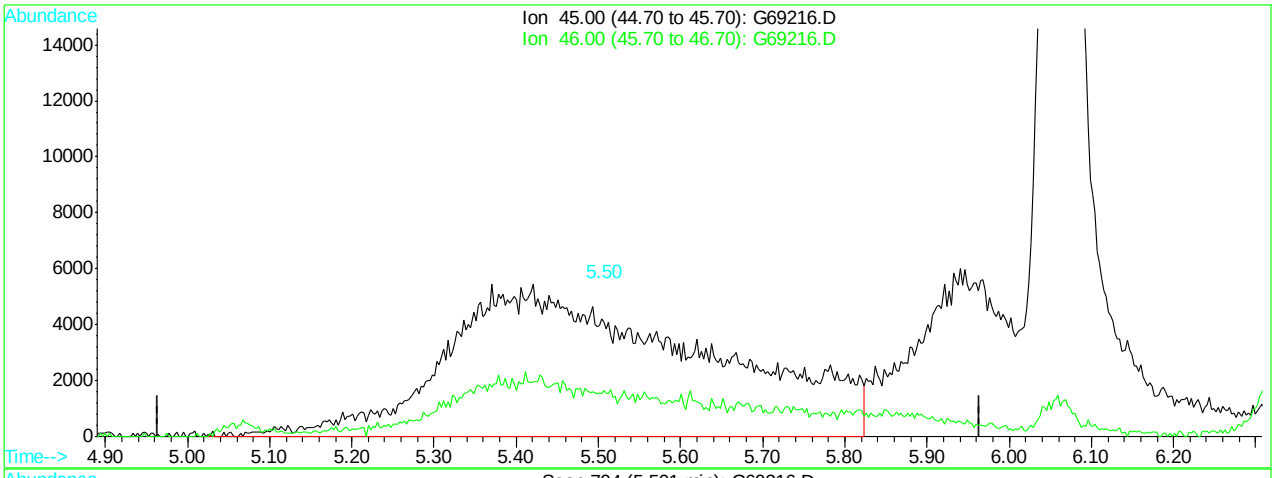
| Ion | Exp% | Act% |
|---|---|---|
| 45.00 | 100 | 100 |
| 46.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

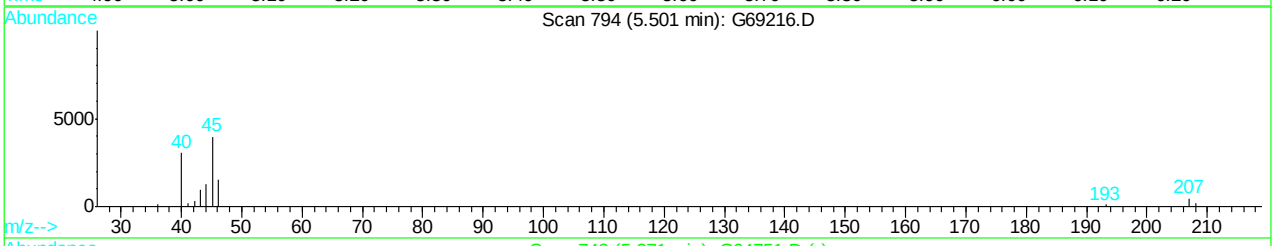
G69216.D G042507W.M Fri Apr 27 13:35:17 2007 RP1

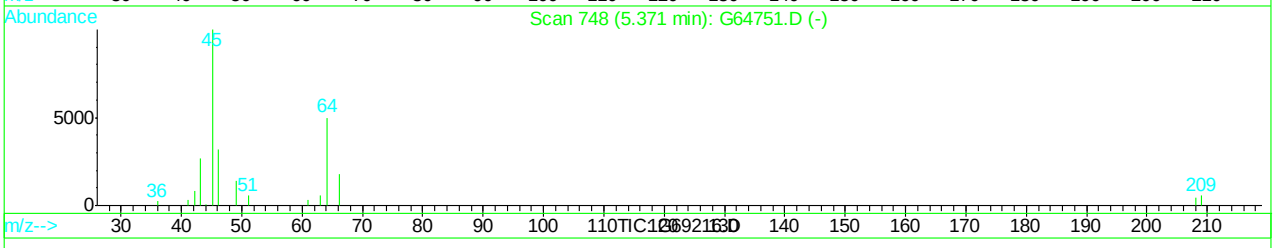
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69216.D  Vial: 2
Acq On : 27 Apr 2007 1:03 pm  Operator: kimt
Sample : BS  Inst : 5973 G
Misc : MS13436,MSG2784,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 27 13:35 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Multiple Level Calibration




(4) Ethanol (T)

5.50min 5010.78ppb m

response 116067

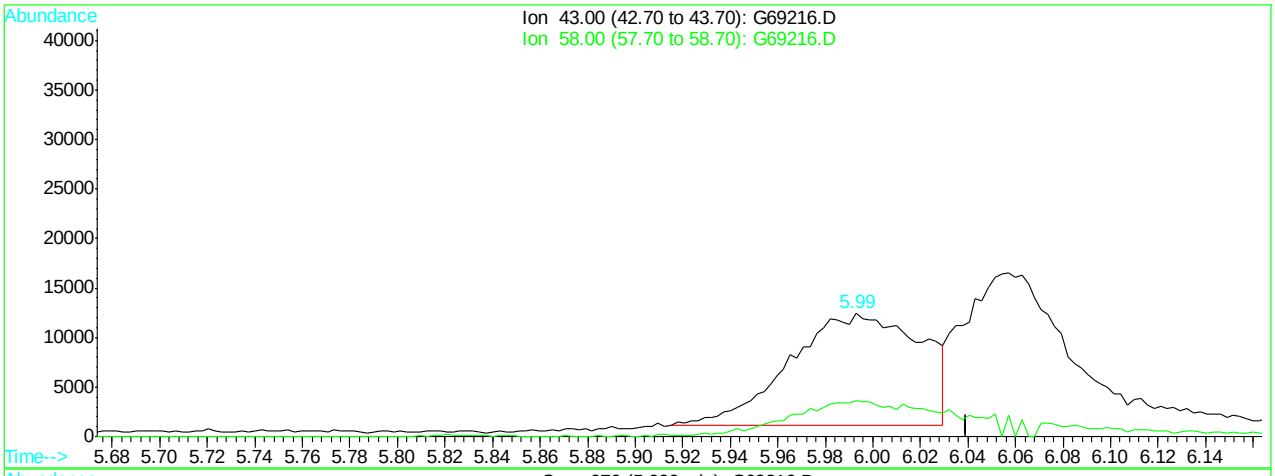
| Ion | Exp% | Act% |
|---|---|---|
| 45.00 | 100 | 100 |
| 46.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

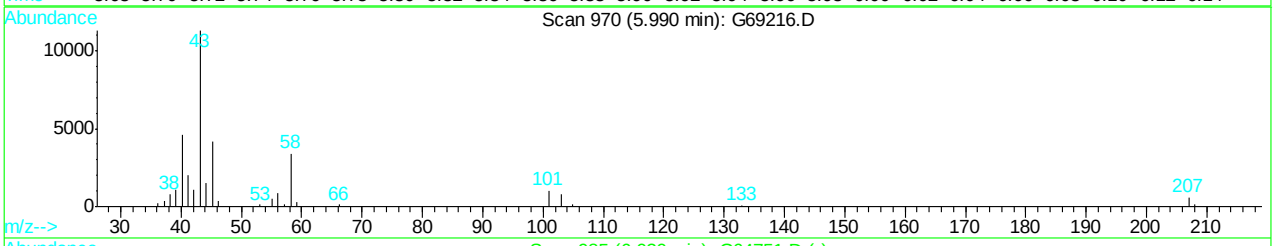
G69216.D G042507W.M Fri Apr 27 13:35:30 2007 RP1

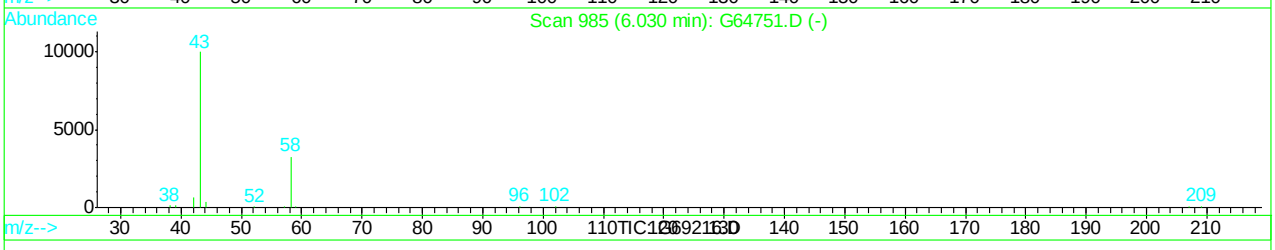
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69216.D  Vial: 2
Acq On : 27 Apr 2007 1:03 pm  Operator: kimt
Sample : BS  Inst : 5973 G
Misc : MS13436,MSG2784,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 27 13:35 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Multiple Level Calibration




(16) acetone (M)

5.99min 38.14ppb

response 43204

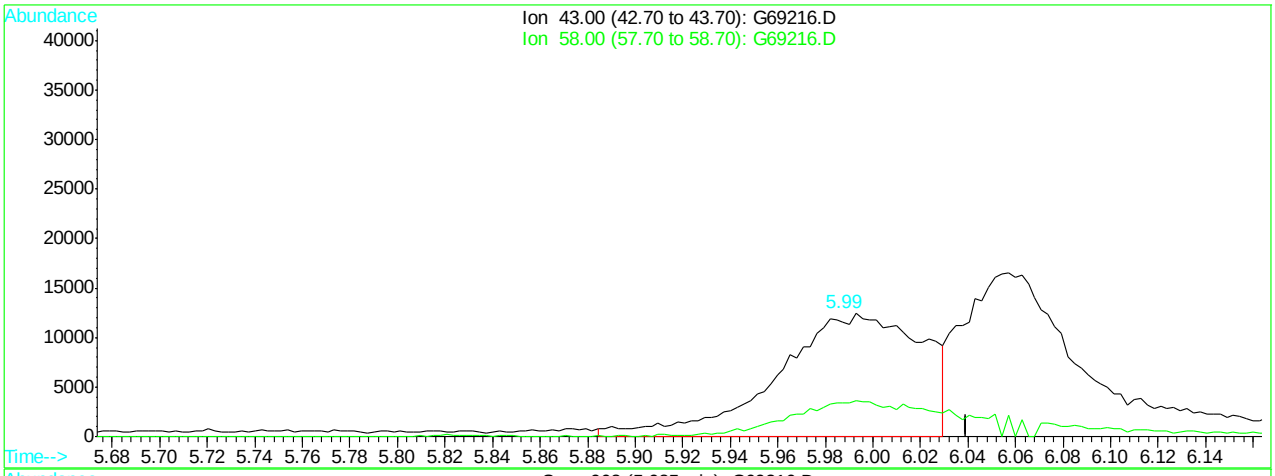
| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 58.00 | 28.80 | 31.94 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

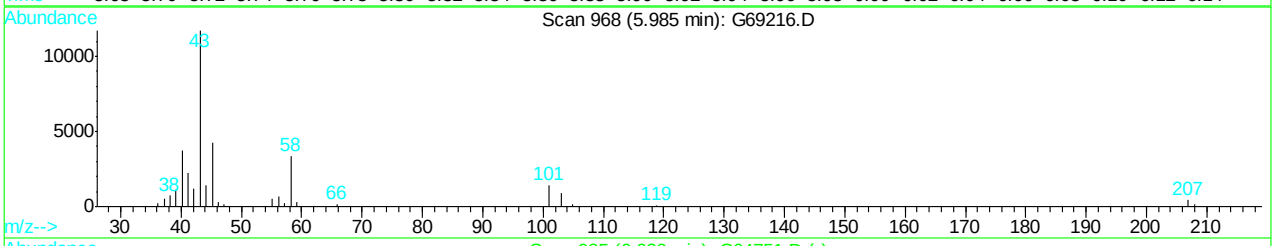
G69216.D G042507W.M Fri Apr 27 13:35:54 2007 RP1

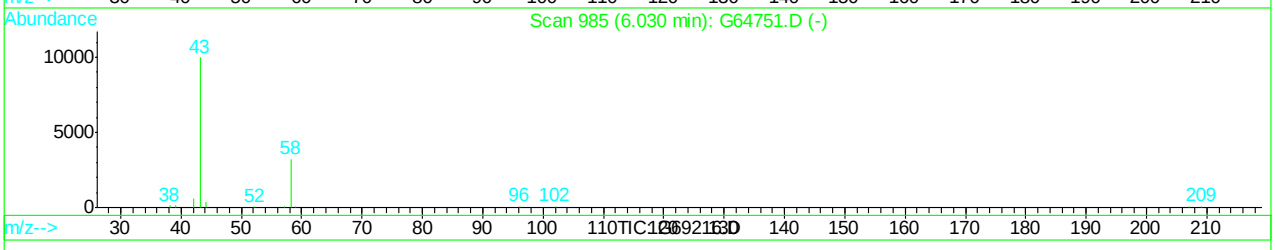
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69216.D  Vial: 2
Acq On : 27 Apr 2007 1:03 pm  Operator: kimt
Sample : BS  Inst : 5973 G
Misc : MS13436,MSG2784,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 27 13:35 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Multiple Level Calibration




(16) acetone (M)

5.98min 46.55ppb m

response 52729

| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 58.00 | 28.80 | 28.87 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

G69216.D G042507W.M Fri Apr 27 13:36:00 2007 RP1

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani 04/30/07 16:05

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69217.D Vial: 3
Acq On : 27 Apr 2007 1:31 pm Operator: kimt
Sample : BSD Inst : 5973 G
Misc : MS13436,MSG2784,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 27 16:42 2007 Quant Results File: G042507W.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration
DataAcq Meth : G8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 6.38 | 65 | 146831 | 500.00 | ppb | -0.04 |
| 3) pentafluorobenzene | 8.74 | 168 | 434000 | 50.00 | ppb | 0.00 |
| 43) 1,4-difluorobenzene | 9.61 | 114 | 604717 | 50.00 | ppb | 0.00 |
| 66) chlorobenzene-d5 | 12.86 | 82 | 315517 | 50.00 | ppb | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 15.42 | 152 | 362936 | 50.00 | ppb | 0.00 |

System Monitoring Compounds

| | | | | | | |
|---|---|---|---|---|---|---|
| 40) dibromofluoromethane (s) | 8.38 | 113 | 184509 | 49.11 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 83 - 127 | | Recovery = 98.22% | | | |
| 60) toluene-d8 (s) | 11.41 | 98 | 742993 | 50.52 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 89 - 112 | | Recovery = 101.04% | | | |
| 82) bromofluorobenzene (s) | 14.09 | 95 | 291098 | 48.87 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 81 - 119 | | Recovery = 97.74% | | | |

| Target Compounds | | | | | | | Qvalue |
|---|---|---|---|---|---|---|---|
| 2) tertiary butyl alcohol | 6.43 | 59 | 167415 | 485.27 | ppb | | 94 |
| 4) Ethanol | 5.36 | 45 | 117647m | 5289.27 | ppb | | |
| 5) dichlorodifluoromethane | 4.14 | 85 | 175122 | 40.73 | ppb | | 88 |
| 6) chloromethane | 4.34 | 50 | 253685 | 51.25 | ppb | | 100 |
| 7) vinyl chloride | 4.61 | 62 | 241815 | 51.60 | ppb | | 95 |
| 8) bromomethane | 5.07 | 96 | 168643 | 47.94 | ppb | | 93 |
| 9) chloroethane | 5.23 | 64 | 160290 | 50.99 | ppb | | 99 |
| 10) ethyl ether | 6.07 | 59 | 166280 | 46.91 | ppb | | 100 |
| 11) acetonitrile | 5.79 | 41 | 15971 | 41.68 | ppb | # | 1 |
| 12) trichlorofluoromethane | 5.87 | 101 | 265525 | 51.09 | ppb | | 95 |
| 13) freon-113 | 6.63 | 101 | 203256 | 56.37 | ppb | | 99 |
| 14) acrolein | 5.84 | 56 | 151170 | 213.67 | ppb | | 99 |
| 15) 1,1-dichloroethene | 6.42 | 96 | 194116 | 50.14 | ppb | | 95 |
| 16) acetone | 5.97 | 43 | 60383m | 55.41 | ppb | | |
| 17) Methyl Acetate | 6.61 | 43 | 250280 | 42.56 | ppb | | 97 |
| 18) methylene chloride | 6.56 | 84 | 232560 | 49.56 | ppb | | 100 |
| 19) methyl tert butyl ether | 7.34 | 73 | 598065 | 51.15 | ppb | | 98 |
| 20) acrylonitrile | 6.48 | 53 | 461223 | 261.28 | ppb | | 97 |
| 21) allyl chloride | 6.65 | 41 | 347190 | 51.65 | ppb | | 97 |
| 22) trans-1,2-dichloroethene | 7.24 | 96 | 215656 | 49.55 | ppb | | 100 |
| 23) iodomethane | 6.48 | 142 | 374471 | 51.12 | ppb | | 100 |
| 24) carbon disulfide | 6.84 | 76 | 703987 | 56.96 | ppb | | 99 |
| 25) propionitrile | 6.47 | 54 | 17470 | 52.29 | ppb | | 100 |
| 26) vinyl acetate | 7.60 | 43 | 227492 | 29.23 | ppb | | 100 |
| 27) chloroprene | 7.85 | 53 | 291430 | 54.03 | ppb | | 97 |
| 28) di-isopropyl ether | 7.90 | 45 | 724691 | 46.64 | ppb | | 92 |
| 29) methacrylonitrile | 8.01 | 41 | 146469 | 47.91 | ppb | | 100 |
| 30) 2-butanone | 7.92 | 72 | 26270 | 47.93 | ppb | # | 31 |
| 31) Hexane | 7.88 | 41 | 322607 | 49.87 | ppb | | 88 |
| 32) 1,1-dichloroethane | 7.49 | 63 | 377520 | 49.67 | ppb | | 99 |
| 33) tert-butyl ethyl ether | 8.30 | 59 | 641818 | 48.61 | ppb | | 99 |
| 34) isobutyl alcohol | 8.32 | 43 | 124584 | 259.47 | ppb | # | 33 |
| 35) 2,2-dichloropropane | 8.36 | 77 | 273896 | 56.30 | ppb | | 99 |
| 36) cis-1,2-dichloroethene | 8.06 | 96 | 227485 | 46.39 | ppb | | 94 |
| 37) ethyl acetate | 8.21 | 43 | 180558 | 2061.33 | ppb | | 86 |

(#) = qualifier out of range (m) = manual integration
G69217.D G042507W.M Fri Apr 27 16:42:29 2007 RP1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69217.D Vial: 3
Acq On : 27 Apr 2007 1:31 pm Operator: kimt
Sample : BSD Inst : 5973 G
Misc : MS13436,MSG2784,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 27 16:42 2007 Quant Results File: G042507W.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration
DataAcq Meth : G8260

| Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|
| 38) bromochloromethane | 8.22 | 128 | 118457 | 49.05 ppb | 98 |
| 39) chloroform | 8.26 | 83 | 360823 | 48.21 ppb | 97 |
| 41) Tetrahydrofuran | 8.62 | 42 | 67865 | 51.81 ppb | 99 |
| 42) 1,1,1-trichloroethane | 9.02 | 97 | 312582 | 50.93 ppb | 98 |
| 44) Cyclohexane | 9.30 | 56 | 369343 | 52.56 ppb | 99 |
| 45) carbon tetrachloride | 9.38 | 117 | 292847 | 52.39 ppb | 100 |
| 46) 1,1-dichloropropene | 9.18 | 75 | 271384 | 50.86 ppb | 98 |
| 47) benzene | 9.41 | 78 | 852894 | 50.02 ppb | 99 |
| 48) 1,2-dichloroethane | 8.91 | 62 | 260774 | 49.02 ppb | 98 |
| 49) tert-amyl methyl ether | 9.54 | 73 | 600258 | 49.79 ppb | 100 |
| 50) heptane | 9.89 | 43 | 328760 | 57.22 ppb | 98 |
| 51) trichloroethene | 10.03 | 95 | 213109 | 50.62 ppb | 91 |
| 52) 1,2-dichloropropane | 9.99 | 63 | 215917 | 50.53 ppb | 97 |
| 53) dibromomethane | 9.97 | 93 | 132394 | 48.88 ppb | 96 |
| 54) bromodichloromethane | 10.08 | 83 | 282746 | 47.36 ppb | 99 |
| 55) Methylcyclohexane | 10.55 | 83 | 376989 | 53.09 ppb | 97 |
| 57) methyl methacrylate | 10.18 | 69 | 156492 | 54.08 ppb | 98 |
| 58) 1,4-dioxane | 10.24 | 88 | 6985 | 274.29 ppb | 99 |
| 59) cis-1,3-dichloropropene | 10.70 | 75 | 350407 | 53.77 ppb | 98 |
| 61) 4-methyl-2-pentanone | 10.80 | 43 | 235231 | 53.45 ppb | 98 |
| 62) toluene | 11.48 | 92 | 553732 | 50.55 ppb | 99 |
| 63) trans-1,3-dichloropropene | 11.12 | 75 | 297198 | 54.84 ppb | 97 |
| 64) 1,1,2-trichloroethane | 11.29 | 83 | 168369 | 51.08 ppb | 99 |
| 65) ethyl methacrylate | 11.50 | 69 | 298241 | 54.53 ppb | 92 |
| 67) tetrachloroethene | 12.22 | 166 | 268136 | 50.39 ppb | 99 |
| 68) 1,3-dichloropropane | 11.53 | 76 | 346010 | 50.17 ppb | 99 |
| 69) dibromochloromethane | 11.81 | 129 | 241774 | 48.64 ppb | 98 |
| 70) 1,2-dibromoethane | 12.07 | 107 | 209310 | 50.50 ppb | 97 |
| 71) 2-hexanone | 11.65 | 43 | 168407 | 53.47 ppb | 100 |
| 72) chlorobenzene | 12.90 | 112 | 621769 | 47.78 ppb | 99 |
| 73) 1,1,1,2-tetrachloroethane | 12.82 | 131 | 230789 | 49.51 ppb | 98 |
| 74) ethylbenzene | 13.07 | 91 | 1066819 | 51.09 ppb | 100 |
| 75) m,p-xylene | 13.26 | 106 | 839713 | 100.99 ppb | 97 |
| 76) o-xylene | 13.67 | 106 | 414774 | 49.94 ppb | 100 |
| 77) styrene | 13.60 | 104 | 707150 | 52.36 ppb | 99 |
| 78) bromoform | 13.42 | 173 | 197407 | 49.17 ppb | 96 |
| 79) trans-1,4-dichloro-2-buten | 13.82 | 53 | 62099 | 48.58 ppb | 95 |
| 81) isopropylbenzene | 14.03 | 105 | 967440 | 49.96 ppb | 100 |
| 83) bromobenzene | 14.32 | 156 | 310927 | 47.71 ppb | 98 |
| 84) 1,1,2,2-tetrachloroethane | 13.67 | 83 | 292950 | 49.05 ppb | 99 |
| 85) 1,2,3-trichloropropane | 13.82 | 75 | 303966 | 48.86 ppb | 99 |
| 86) n-propylbenzene | 14.48 | 91 | 1280992 | 49.55 ppb | 99 |
| 87) 2-chlorotoluene | 14.60 | 91 | 758704 | 48.34 ppb | 99 |
| 88) 4-chlorotoluene | 14.67 | 91 | 770322 | 48.44 ppb | 99 |
| 89) 1,3,5-trimethylbenzene | 14.76 | 105 | 926127 | 49.92 ppb | 99 |
| 90) tert-butylbenzene | 15.06 | 91 | 491496 | 50.29 ppb | 99 |
| 91) 1,2,4-trimethylbenzene | 15.17 | 105 | 952514 | 49.63 ppb | 100 |
| 92) sec-butylbenzene | 15.29 | 105 | 1238074 | 50.78 ppb | 99 |
| 93) 1,3-dichlorobenzene | 15.39 | 146 | 587803 | 47.68 ppb | 96 |

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69217.D Vial: 3
Acq On : 27 Apr 2007 1:31 pm Operator: kimt
Sample : BSD Inst : 5973 G
Misc : MS13436,MSG2784,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 27 16:42 2007 Quant Results File: G042507W.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration
DataAcq Meth : G8260

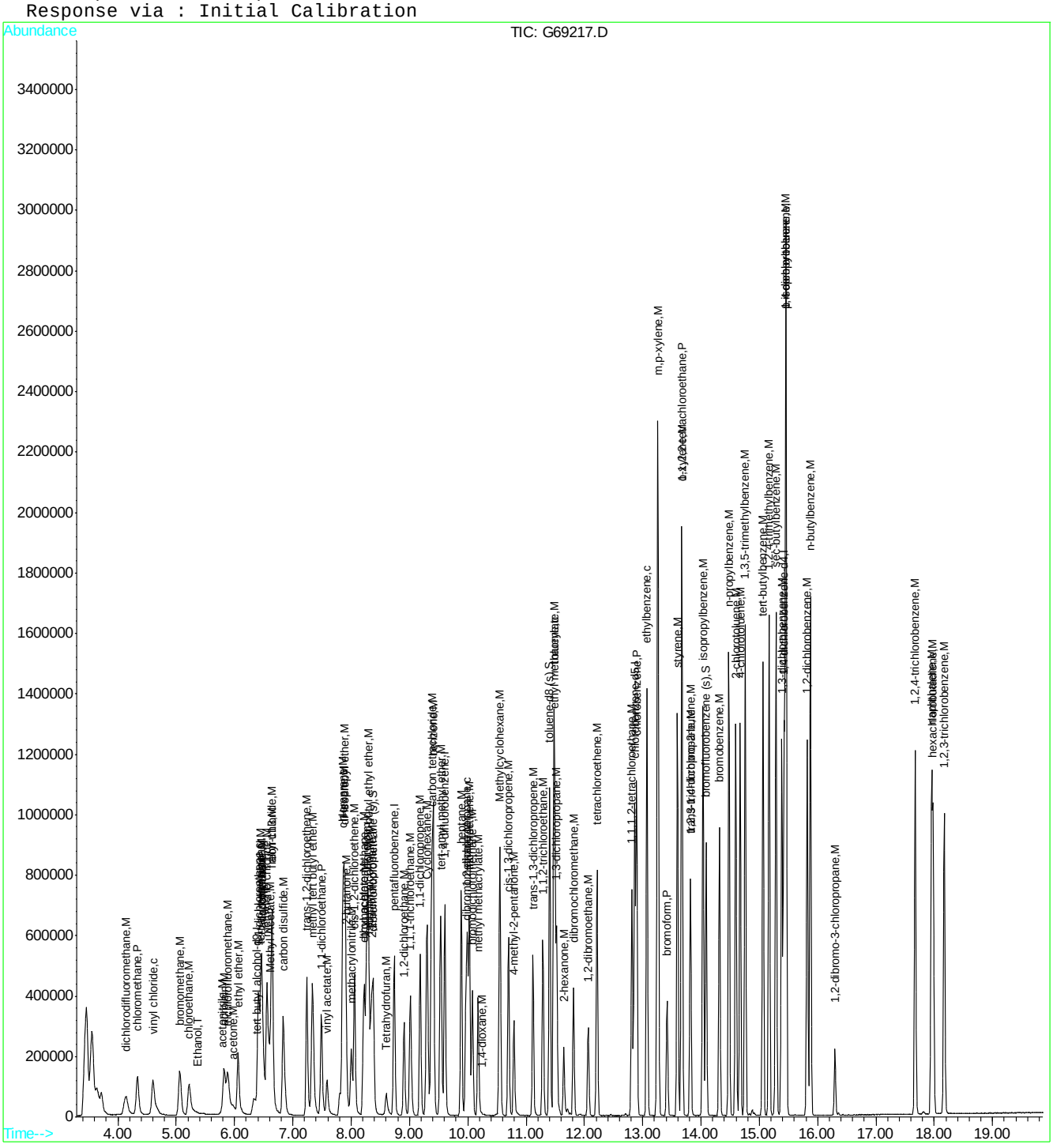
| | Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|---|---|---|---|---|---|---|---|
| 94) | p-isopropyltoluene | 15.46 | 119 | 1081608 | 50.40 | ppb | 99 |
| 95) | 1,4-dichlorobenzene | 15.45 | 146 | 615240 | 47.92 | ppb | 99 |
| 96) | 1,2-dichlorobenzene | 15.82 | 146 | 574807 | 48.69 | ppb | 98 |
| 97) | n-butylbenzene | 15.88 | 91 | 995361 | 52.31 | ppb | 98 |
| 98) | 1,2-dibromo-3-chloropropan | 16.30 | 75 | 53561 | 49.96 | ppb | 90 |
| 99) | 1,2,4-trichlorobenzene | 17.67 | 180 | 448328 | 52.87 | ppb | 100 |
| 100) | hexachlorobutadiene | 17.98 | 225 | 251701 | 53.15 | ppb | 99 |
| 101) | naphthalene | 17.95 | 128 | 969033 | 53.04 | ppb | 100 |
| 102) | 1,2,3-trichlorobenzene | 18.17 | 180 | 388055 | 52.41 | ppb | 99 |

(#) = qualifier out of range (m) = manual integration
G69217.D G042507W.M Fri Apr 27 16:42:29 2007 RP1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\G69217.D  Vial: 3
Acq On : 27 Apr 2007 1:31 pm  Operator: kimt
Sample : BSD  Inst : 5973 G
Misc : MS13436,MSG2784,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 27 16:42 2007  Quant Results File: G042507W.RES

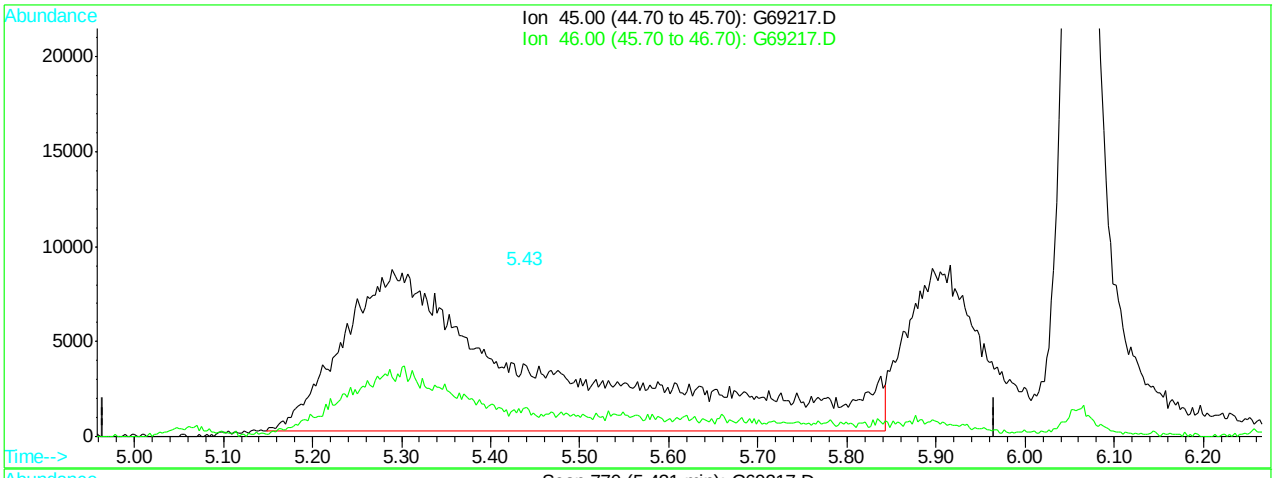
Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration

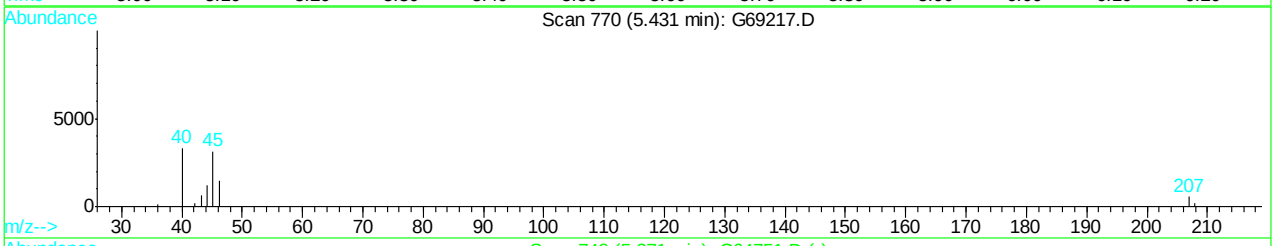


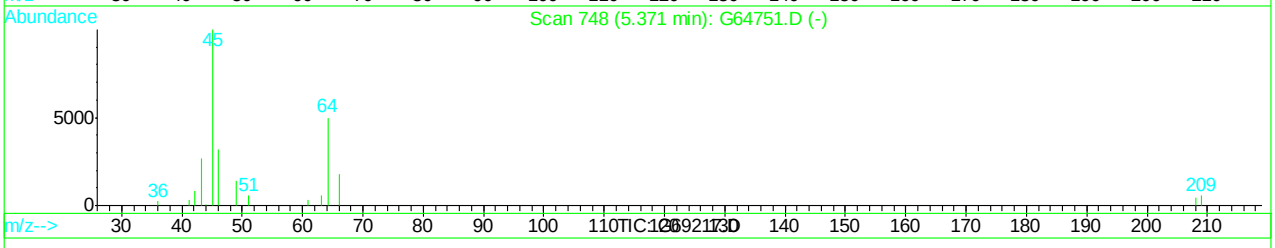
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69217.D  Vial: 3
Acq On : 27 Apr 2007 1:31 pm  Operator: kimt
Sample : BSD  Inst : 5973 G
Misc : MS13436,MSG2784,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 27 14:02 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Multiple Level Calibration




(4) Ethanol (T)

5.43min 6020.44ppb

response 133370

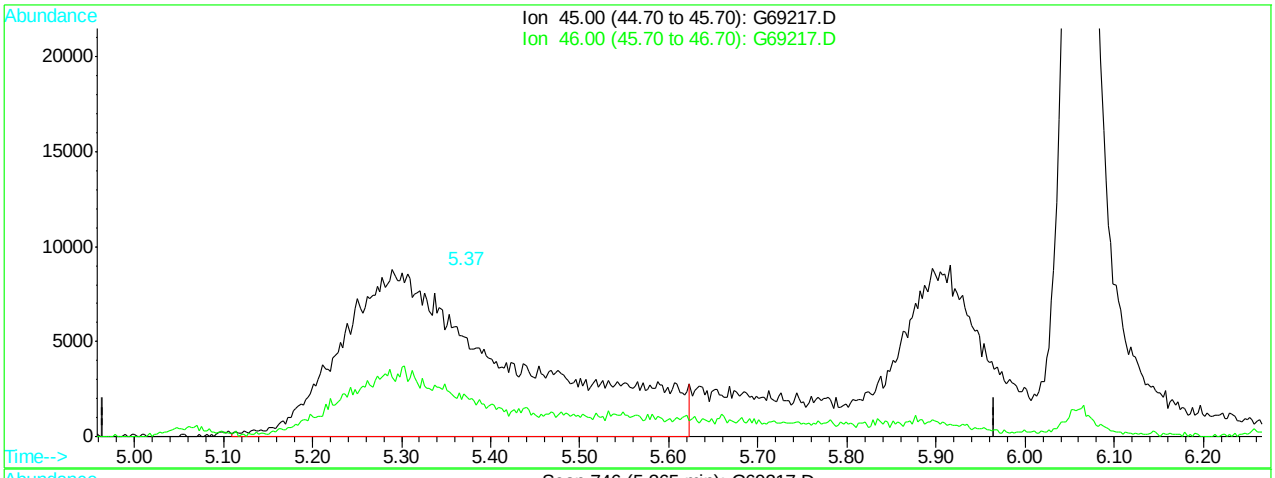
| Ion | Exp% | Act% |
|---|---|---|
| 45.00 | 100 | 100 |
| 46.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

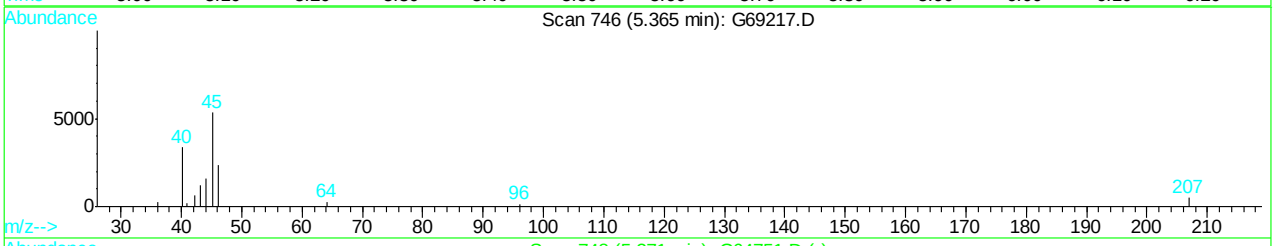
G69217.D G042507W.M Fri Apr 27 14:03:08 2007 RP1

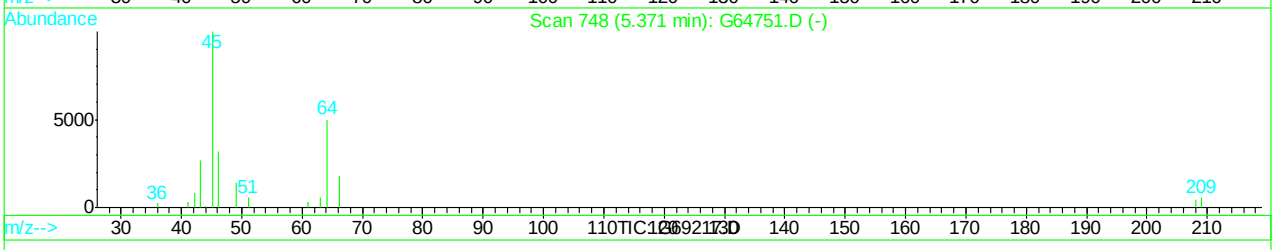
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69217.D  Vial: 3
Acq On : 27 Apr 2007 1:31 pm  Operator: kimt
Sample : BSD  Inst : 5973 G
Misc : MS13436,MSG2784,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 27 14:03 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Multiple Level Calibration




(4) Ethanol (T)

5.36min 5289.27ppb m

response 117647

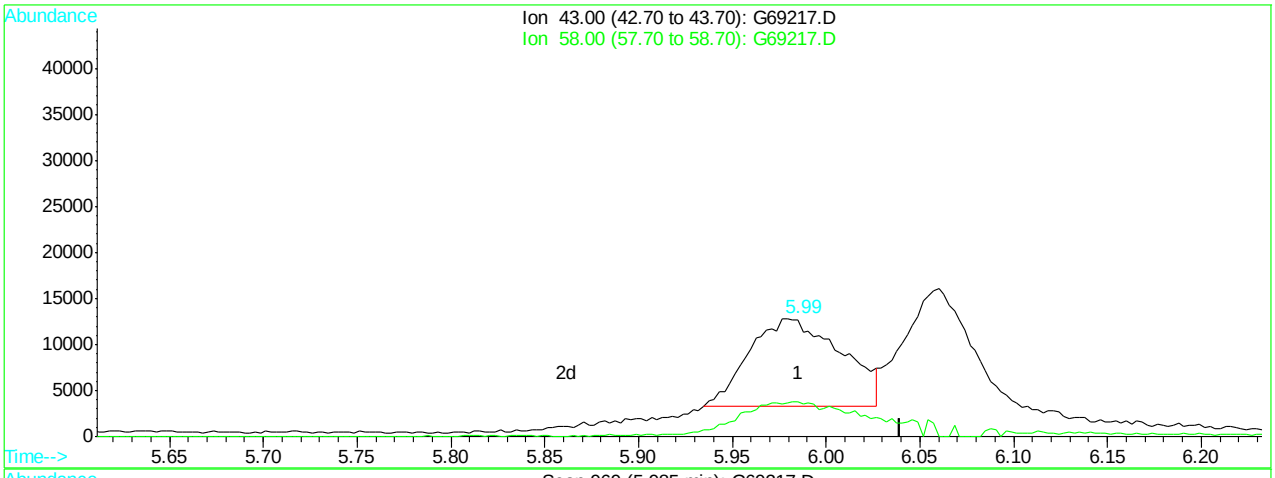
| Ion | Exp% | Act% |
|---|---|---|
| 45.00 | 100 | 100 |
| 46.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

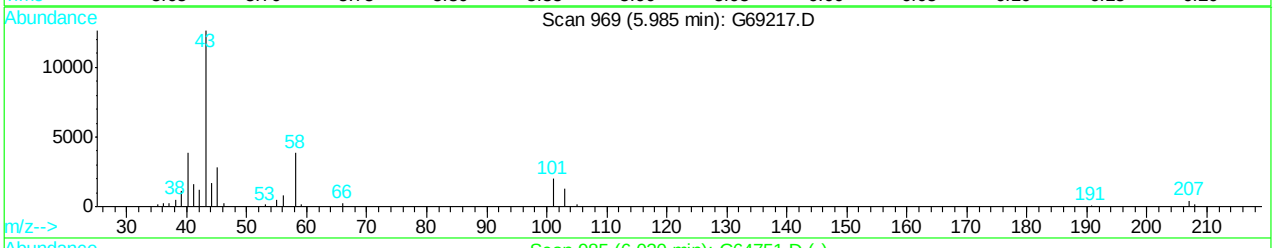
G69217.D G042507W.M Fri Apr 27 14:03:40 2007 RP1

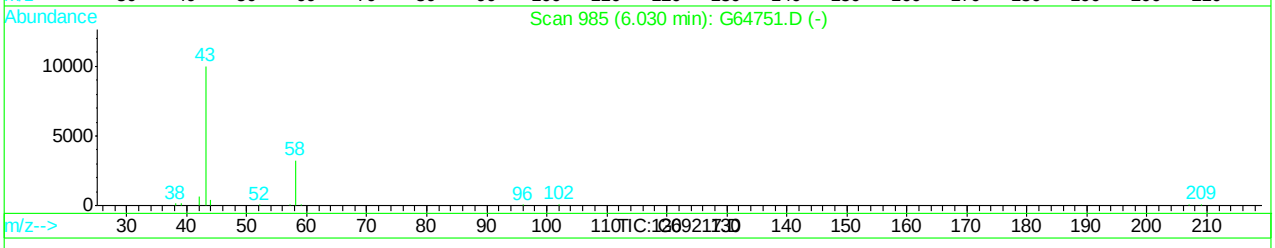
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69217.D  Vial: 3
Acq On : 27 Apr 2007 1:31 pm  Operator: kimt
Sample : BSD  Inst : 5973 G
Misc : MS13436,MSG2784,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 27 14:03 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Multiple Level Calibration




(16) acetone (M)

5.99min 29.92ppb

response 32602

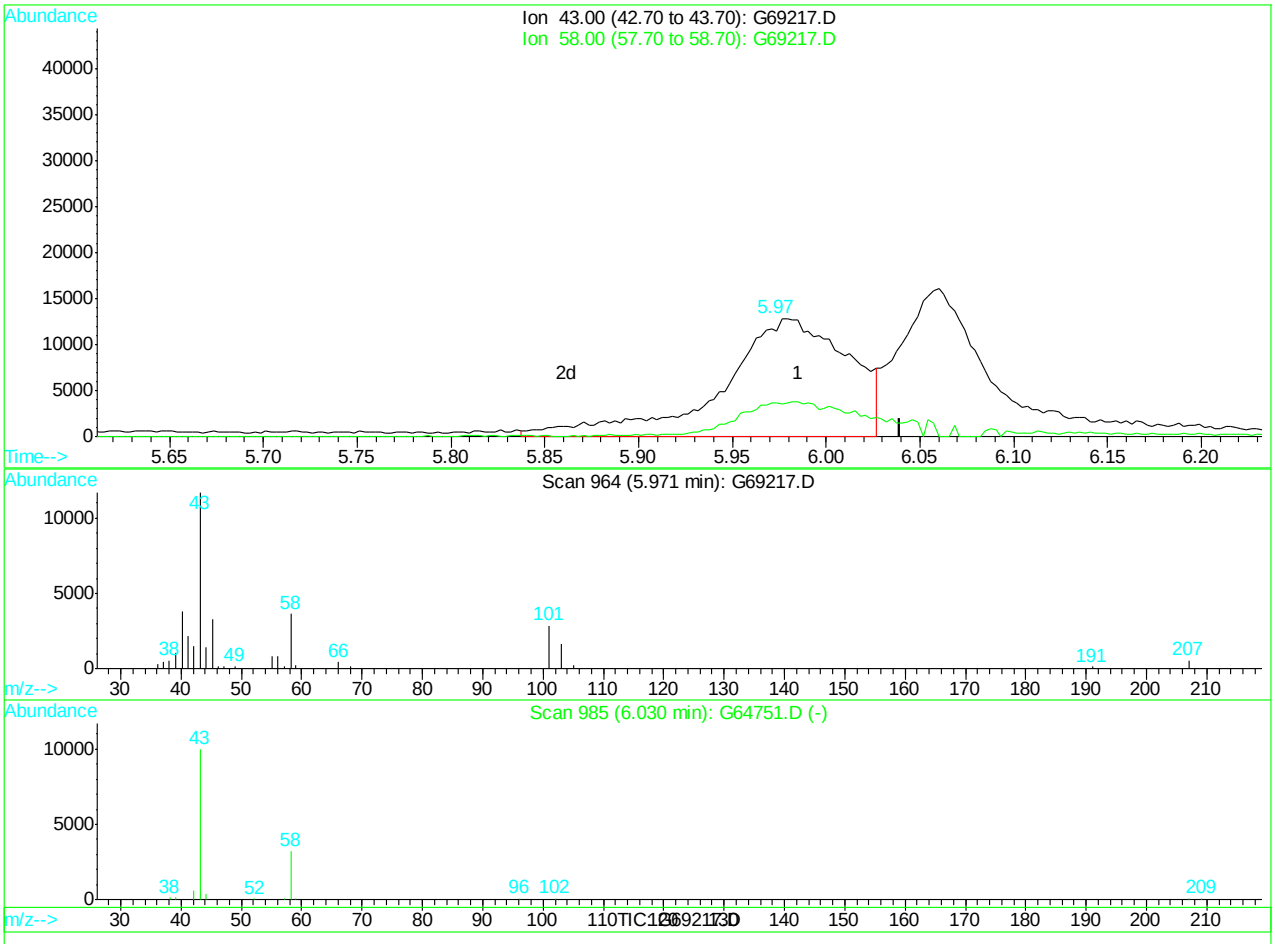
| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 58.00 | 28.80 | 32.73 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

G69217.D G042507W.M Fri Apr 27 14:03:55 2007 RP1

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69217.D  Vial: 3
Acq On : 27 Apr 2007 1:31 pm  Operator: kimt
Sample : BSD  Inst : 5973 G
Misc : MS13436,MSG2784,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 27 14:04 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Multiple Level Calibration




(16) acetone (M)

5.97min 55.41ppb m

response 60383

| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 58.00 | 28.80 | 31.13 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

G69217.D G042507W.M Fri Apr 27 14:04:05 2007 RP1

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani
05/01/07 14:12

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69288.D Vial: 3
Acq On : 30 Apr 2007 1:36 pm Operator: kimt
Sample : BS Inst : 5973 G
Misc : MS13447,MSG2785,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 14:59 2007 Quant Results File: G042507W.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration
DataAcq Meth : G8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 6.50 | 65 | 120912 | 500.00 | ppb | 0.08 |
| 3) pentafluorobenzene | 8.74 | 168 | 482631 | 50.00 | ppb | 0.00 |
| 43) 1,4-difluorobenzene | 9.61 | 114 | 669954 | 50.00 | ppb | 0.00 |
| 66) chlorobenzene-d5 | 12.86 | 82 | 323110 | 50.00 | ppb | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 15.42 | 152 | 384235 | 50.00 | ppb | 0.00 |

System Monitoring Compounds

| | | | | | | |
|---|---|---|---|---|---|---|
| 40) dibromofluoromethane (s) | 8.38 | 113 | 203451 | 48.70 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 83 - 127 | | Recovery = 97.40% | | | |
| 60) toluene-d8 (s) | 11.40 | 98 | 782750 | 48.04 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 89 - 112 | | Recovery = 96.08% | | | |
| 82) bromofluorobenzene (s) | 14.09 | 95 | 301004 | 47.73 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 81 - 119 | | Recovery = 95.46% | | | |

Target Compounds

| | | | | | | | Qvalue |
|---|---|---|---|---|---|---|---|
| 2) tertiary butyl alcohol | 6.55 | 59 | 156976 | 552.54 | ppb | | 66 |
| 4) Ethanol | 5.67 | 45 | 73634m | 2897.48 | ppb | | |
| 5) dichlorodifluoromethane | 4.15 | 85 | 128904 | 26.96 | ppb | | 97 |
| 6) chloromethane | 4.35 | 50 | 231707 | 42.09 | ppb | | 100 |
| 7) vinyl chloride | 4.62 | 62 | 209821 | 40.26 | ppb | | 97 |
| 8) bromomethane | 5.07 | 96 | 162621 | 41.57 | ppb | | 95 |
| 9) chloroethane | 5.23 | 64 | 146454 | 41.90 | ppb | | 100 |
| 10) ethyl ether | 6.07 | 59 | 174218 | 44.19 | ppb | | 99 |
| 11) acetonitrile | 5.79 | 41 | 18930m | 43.59 | ppb | | |
| 12) trichlorofluoromethane | 5.88 | 101 | 226080 | 39.11 | ppb | | 93 |
| 13) freon-113 | 6.63 | 101 | 173197 | 43.19 | ppb | | 97 |
| 14) acrolein | 5.85 | 56 | 158212 | 201.27 | ppb | | 100 |
| 15) 1,1-dichloroethene | 6.42 | 96 | 174918 | 40.63 | ppb | | 97 |
| 16) acetone | 6.05 | 43 | 94996m | 78.39 | ppb | | |
| 17) Methyl Acetate | 6.62 | 43 | 251561 | 38.47 | ppb | # | 93 |
| 18) methylene chloride | 6.57 | 84 | 236722 | 45.31 | ppb | | 98 |
| 19) methyl tert butyl ether | 7.34 | 73 | 615765 | 47.36 | ppb | | 100 |
| 20) acrylonitrile | 6.50 | 53 | 454234 | 231.40 | ppb | | 99 |
| 21) allyl chloride | 6.65 | 41 | 335335 | 44.86 | ppb | | 100 |
| 22) trans-1,2-dichloroethene | 7.24 | 96 | 210356 | 43.46 | ppb | | 97 |
| 23) iodomethane | 6.48 | 142 | 375644 | 46.11 | ppb | | 100 |
| 24) carbon disulfide | 6.85 | 76 | 633943 | 46.12 | ppb | | 99 |
| 25) propionitrile | 6.49 | 54 | 17640 | 47.48 | ppb | | 100 |
| 26) vinyl acetate | 7.60 | 43 | 224079 | 25.89 | ppb | | 97 |
| 27) chloroprene | 7.85 | 53 | 268904 | 44.83 | ppb | | 95 |
| 28) di-isopropyl ether | 7.90 | 45 | 723386 | 41.87 | ppb | | 99 |
| 29) methacrylonitrile | 8.01 | 41 | 145737 | 42.87 | ppb | | 99 |
| 30) 2-butanone | 7.93 | 72 | 25878 | 42.86 | ppb | # | 43 |
| 31) Hexane | 7.88 | 41 | 288992 | 40.17 | ppb | | 92 |
| 32) 1,1-dichloroethane | 7.49 | 63 | 368551 | 43.60 | ppb | | 99 |
| 33) tert-butyl ethyl ether | 8.30 | 59 | 658936 | 44.88 | ppb | | 99 |
| 34) isobutyl alcohol | 8.34 | 43 | 107325 | 201.00 | ppb | # | 1 |
| 35) 2,2-dichloropropane | 8.36 | 77 | 252105 | 46.60 | ppb | | 98 |
| 36) cis-1,2-dichloroethene | 8.06 | 96 | 232357 | 42.61 | ppb | | 92 |
| 37) ethyl acetate | 8.21 | 43 | 183799 | 1886.22 | ppb | | 85 |

(#) = qualifier out of range (m) = manual integration
G69288.D G042507W.M Mon Apr 30 15:00:03 2007 RP1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69288.D Vial: 3
Acq On : 30 Apr 2007 1:36 pm Operator: kimt
Sample : BS Inst : 5973 G
Misc : MS13447,MSG2785,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 14:59 2007 Quant Results File: G042507W.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration
DataAcq Meth : G8260

| | Compound | R.T. | QIon | Response | Conc | Unit | | Qvalue |
|---|---|---|---|---|---|---|---|---|
| 38) | bromochloromethane | 8.23 | 128 | 124912 | 46.51 | ppb | | 99 |
| 39) | chloroform | 8.26 | 83 | 369250 | 44.36 | ppb | | 96 |
| 41) | Tetrahydrofuran | 8.63 | 42 | 66245 | 45.48 | ppb | | 93 |
| 42) | 1,1,1-trichloroethane | 9.02 | 97 | 294069 | 43.09 | ppb | | 96 |
| 44) | Cyclohexane | 9.30 | 56 | 316029 | 40.60 | ppb | | 99 |
| 45) | carbon tetrachloride | 9.38 | 117 | 272640 | 44.02 | ppb | | 95 |
| 46) | 1,1-dichloropropene | 9.18 | 75 | 260690 | 44.10 | ppb | | 98 |
| 47) | benzene | 9.41 | 78 | 854142 | 45.22 | ppb | | 99 |
| 48) | 1,2-dichloroethane | 8.91 | 62 | 274303 | 46.54 | ppb | | 99 |
| 49) | tert-amyl methyl ether | 9.54 | 73 | 617460 | 46.23 | ppb | | 98 |
| 50) | heptane | 9.89 | 43 | 268057 | 42.12 | ppb | | 98 |
| 51) | trichloroethene | 10.03 | 95 | 210880 | 45.21 | ppb | | 91 |
| 52) | 1,2-dichloropropane | 9.99 | 63 | 215593 | 45.54 | ppb | | 99 |
| 53) | dibromomethane | 9.97 | 93 | 138992 | 46.32 | ppb | | 94 |
| 54) | bromodichloromethane | 10.08 | 83 | 294622 | 44.55 | ppb | | 95 |
| 55) | Methylcyclohexane | 10.55 | 83 | 328095 | 41.70 | ppb | | 96 |
| 57) | methyl methacrylate | 10.18 | 69 | 152653 | 47.62 | ppb | | 100 |
| 58) | 1,4-dioxane | 10.31 | 88 | 4556 | 163.29 | ppb | # | 32 |
| 59) | cis-1,3-dichloropropene | 10.70 | 75 | 351681 | 48.71 | ppb | | 98 |
| 61) | 4-methyl-2-pentanone | 10.79 | 43 | 224616 | 46.07 | ppb | | 97 |
| 62) | toluene | 11.48 | 92 | 531423 | 43.79 | ppb | | 99 |
| 63) | trans-1,3-dichloropropene | 11.12 | 75 | 295206 | 49.17 | ppb | | 96 |
| 64) | 1,1,2-trichloroethane | 11.29 | 83 | 166542 | 45.61 | ppb | | 99 |
| 65) | ethyl methacrylate | 11.50 | 69 | 287238 | 47.40 | ppb | | 93 |
| 67) | tetrachloroethene | 12.22 | 166 | 254146 | 46.64 | ppb | | 99 |
| 68) | 1,3-dichloropropane | 11.52 | 76 | 341852 | 48.40 | ppb | | 99 |
| 69) | dibromochloromethane | 11.81 | 129 | 243990 | 47.93 | ppb | | 99 |
| 70) | 1,2-dibromoethane | 12.06 | 107 | 210112 | 49.50 | ppb | | 97 |
| 71) | 2-hexanone | 11.65 | 43 | 156102 | 48.40 | ppb | | 99 |
| 72) | chlorobenzene | 12.89 | 112 | 609688 | 45.76 | ppb | | 98 |
| 73) | 1,1,1,2-tetrachloroethane | 12.81 | 131 | 234604 | 49.15 | ppb | | 100 |
| 74) | ethylbenzene | 13.07 | 91 | 997062 | 46.63 | ppb | | 98 |
| 75) | m,p-xylene | 13.26 | 106 | 794769 | 93.34 | ppb | | 95 |
| 76) | o-xylene | 13.67 | 106 | 403061 | 47.39 | ppb | | 99 |
| 77) | styrene | 13.60 | 104 | 681880 | 49.30 | ppb | | 99 |
| 78) | bromoform | 13.42 | 173 | 199015 | 48.41 | ppb | | 97 |
| 79) | trans-1,4-dichloro-2-buten | 13.82 | 53 | 63508 | 48.51 | ppb | | 98 |
| 81) | isopropylbenzene | 14.03 | 105 | 908855 | 44.33 | ppb | | 100 |
| 83) | bromobenzene | 14.32 | 156 | 313202 | 45.40 | ppb | | 94 |
| 84) | 1,1,2,2-tetrachloroethane | 13.67 | 83 | 280438 | 44.35 | ppb | | 98 |
| 85) | 1,2,3-trichloropropane | 13.82 | 75 | 303099 | 46.02 | ppb | | 100 |
| 86) | n-propylbenzene | 14.48 | 91 | 1177094 | 43.01 | ppb | | 98 |
| 87) | 2-chlorotoluene | 14.60 | 91 | 718528 | 43.24 | ppb | | 97 |
| 88) | 4-chlorotoluene | 14.67 | 91 | 731509 | 43.45 | ppb | | 99 |
| 89) | 1,3,5-trimethylbenzene | 14.76 | 105 | 875157 | 44.56 | ppb | | 97 |
| 90) | tert-butylbenzene | 15.06 | 91 | 461836 | 44.63 | ppb | | 99 |
| 91) | 1,2,4-trimethylbenzene | 15.17 | 105 | 916028 | 45.09 | ppb | | 100 |
| 92) | sec-butylbenzene | 15.29 | 105 | 1143279 | 44.29 | ppb | | 98 |
| 93) | 1,3-dichlorobenzene | 15.38 | 146 | 581700 | 44.57 | ppb | | 98 |

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69288.D Vial: 3
Acq On : 30 Apr 2007 1:36 pm Operator: kimt
Sample : BS Inst : 5973 G
Misc : MS13447,MSG2785,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 14:59 2007 Quant Results File: G042507W.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration
DataAcq Meth : G8260

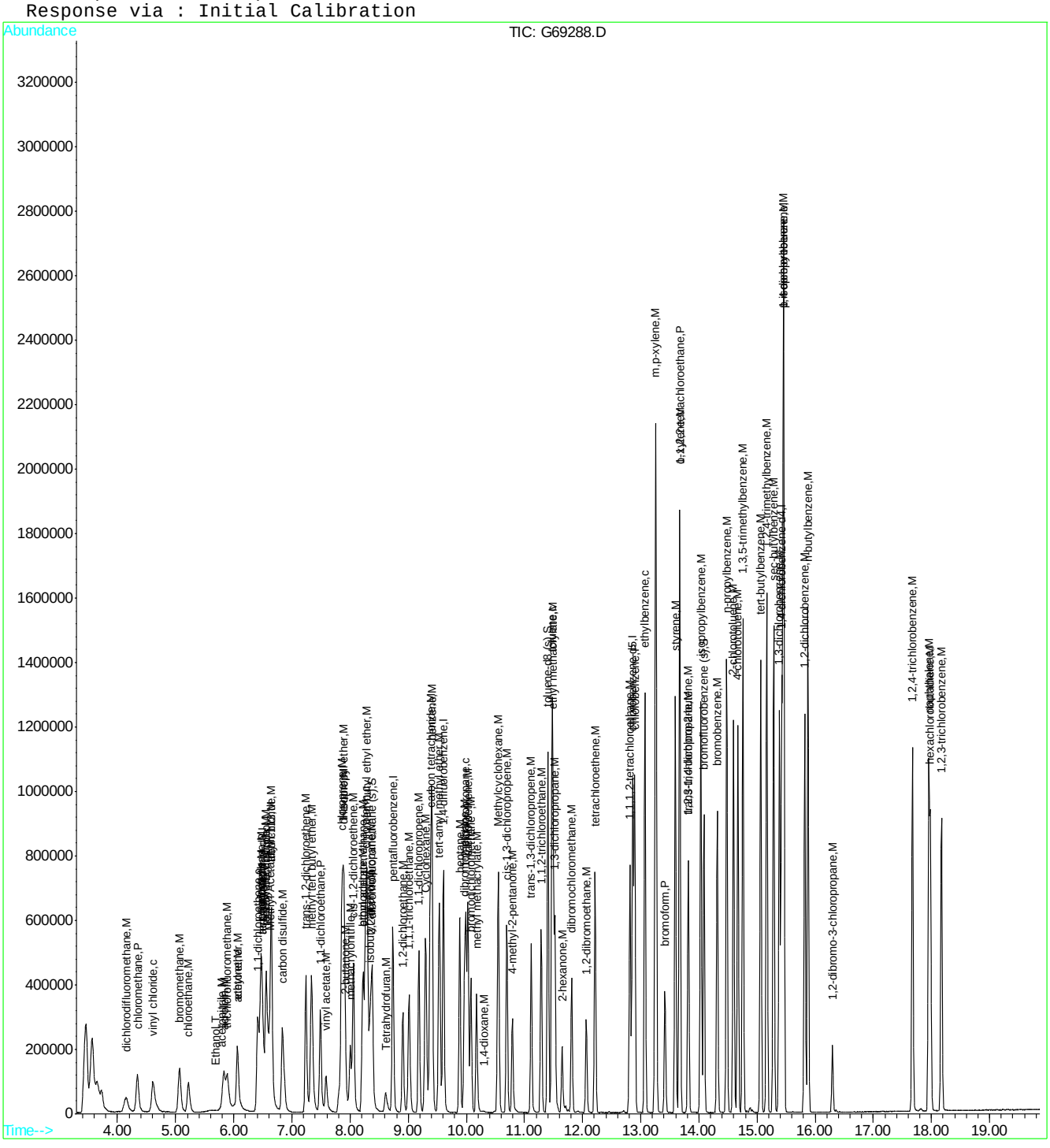
| | Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|---|---|---|---|---|---|---|---|
| 94) | p-isopropyltoluene | 15.46 | 119 | 1008148 | 44.37 | ppb | 99 |
| 95) | 1,4-dichlorobenzene | 15.45 | 146 | 602837 | 44.35 | ppb | 99 |
| 96) | 1,2-dichlorobenzene | 15.82 | 146 | 577455 | 46.21 | ppb | 99 |
| 97) | n-butylbenzene | 15.88 | 91 | 909614 | 45.16 | ppb | 98 |
| 98) | 1,2-dibromo-3-chloropropan | 16.30 | 75 | 50764 | 44.72 | ppb | 89 |
| 99) | 1,2,4-trichlorobenzene | 17.67 | 180 | 425742 | 47.42 | ppb | 98 |
| 100) | hexachlorobutadiene | 17.98 | 225 | 233248 | 46.52 | ppb | 98 |
| 101) | naphthalene | 17.95 | 128 | 904454 | 46.76 | ppb | 100 |
| 102) | 1,2,3-trichlorobenzene | 18.17 | 180 | 362944 | 46.30 | ppb | 98 |

(#) = qualifier out of range (m) = manual integration
G69288.D G042507W.M Mon Apr 30 15:00:03 2007 RP1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\G69288.D  Vial: 3
Acq On : 30 Apr 2007 1:36 pm  Operator: kimt
Sample : BS  Inst : 5973 G
Misc : MS13447,MSG2785,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 14:59 2007  Quant Results File: G042507W.RES

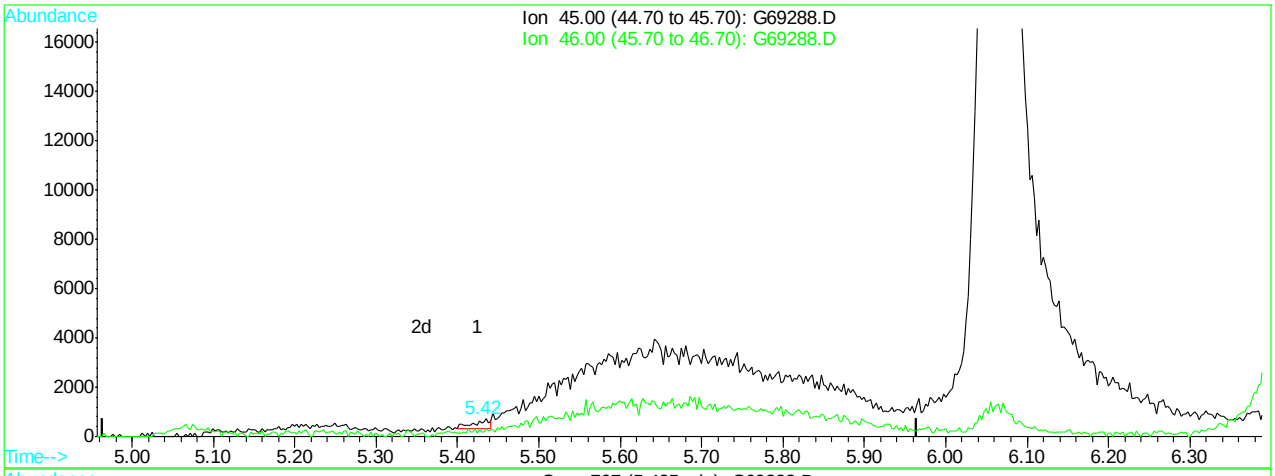
Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration

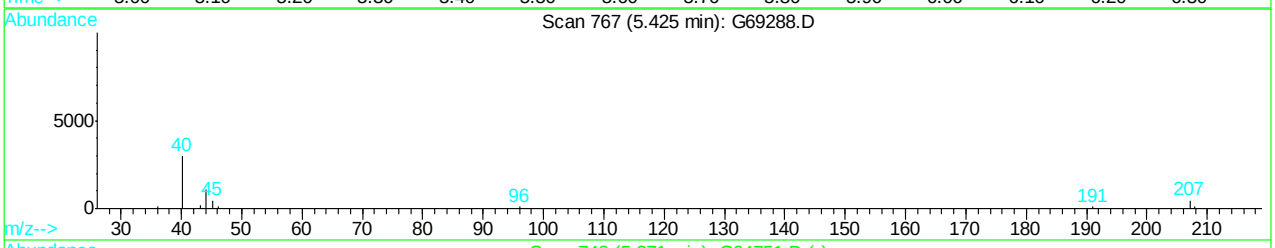


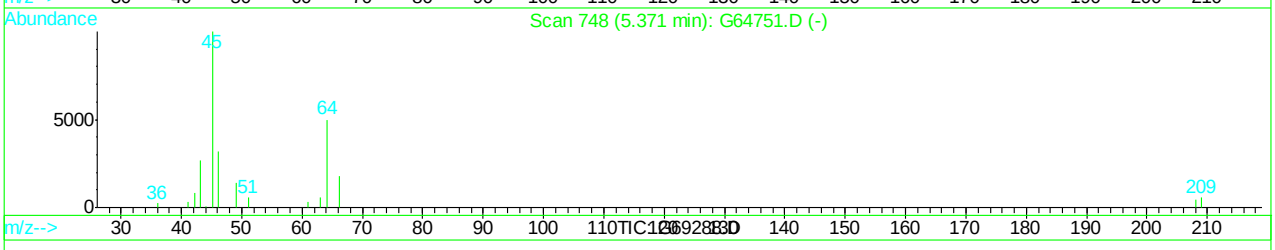
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69288.D  Vial: 3
Acq On : 30 Apr 2007 1:36 pm  Operator: kimt
Sample : BSD  Inst : 5973 G
Misc : MS13447,MSG2785,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 14:11 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Multiple Level Calibration




(4) Ethanol (T)

5.42min -160.77ppb

response 501

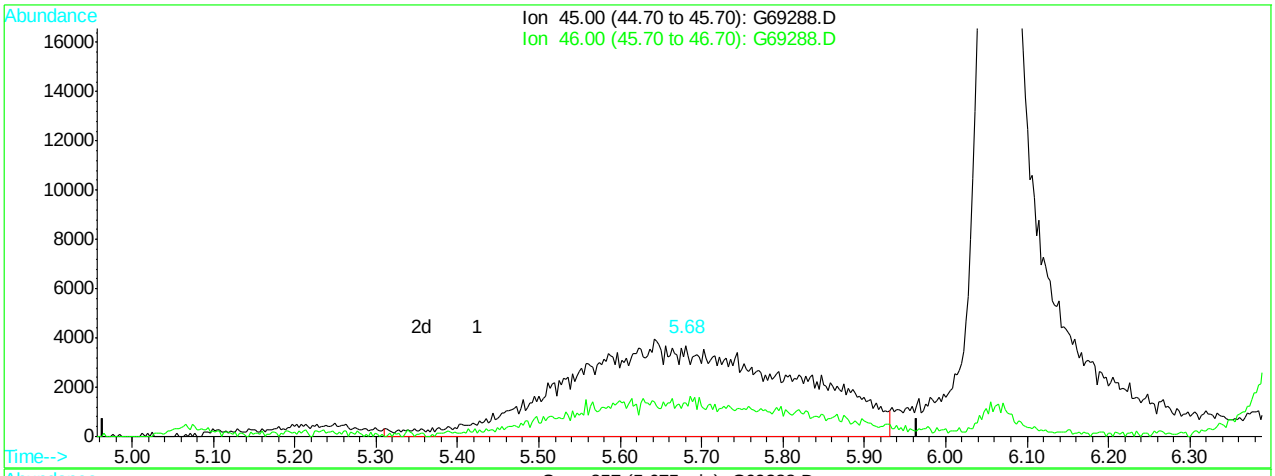
| Ion | Exp% | Act% |
|---|---|---|
| 45.00 | 100 | 100 |
| 46.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

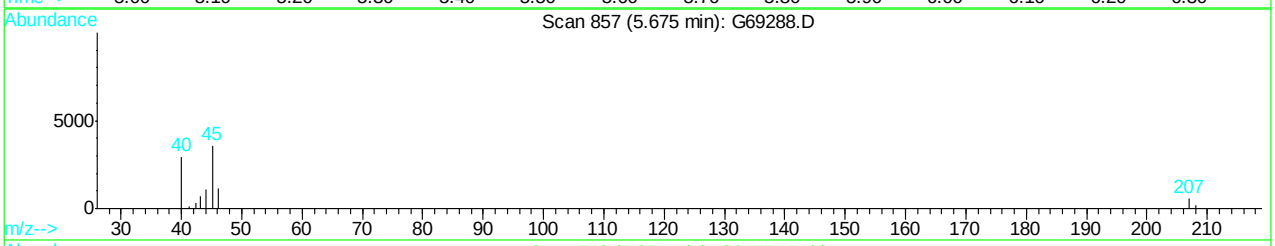
G69288.D G042507W.M Mon Apr 30 14:11:52 2007 RP1

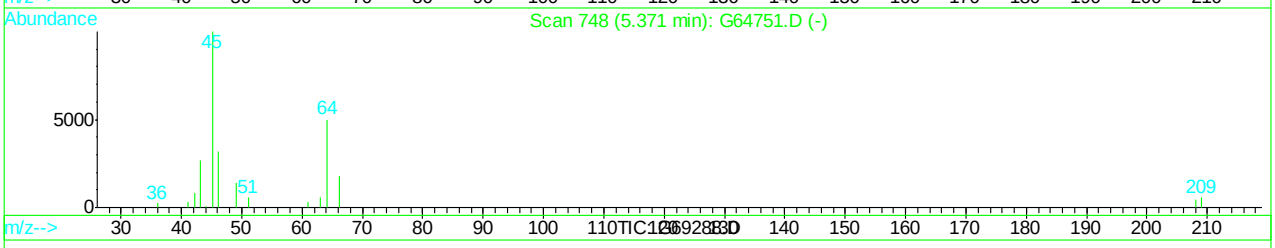
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69288.D  Vial: 3
Acq On : 30 Apr 2007 1:36 pm  Operator: kimt
Sample : BSD  Inst : 5973 G
Misc : MS13447,MSG2785,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 14:11 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Multiple Level Calibration




(4) Ethanol (T)

5.67min 2897.48ppb m

response 73634

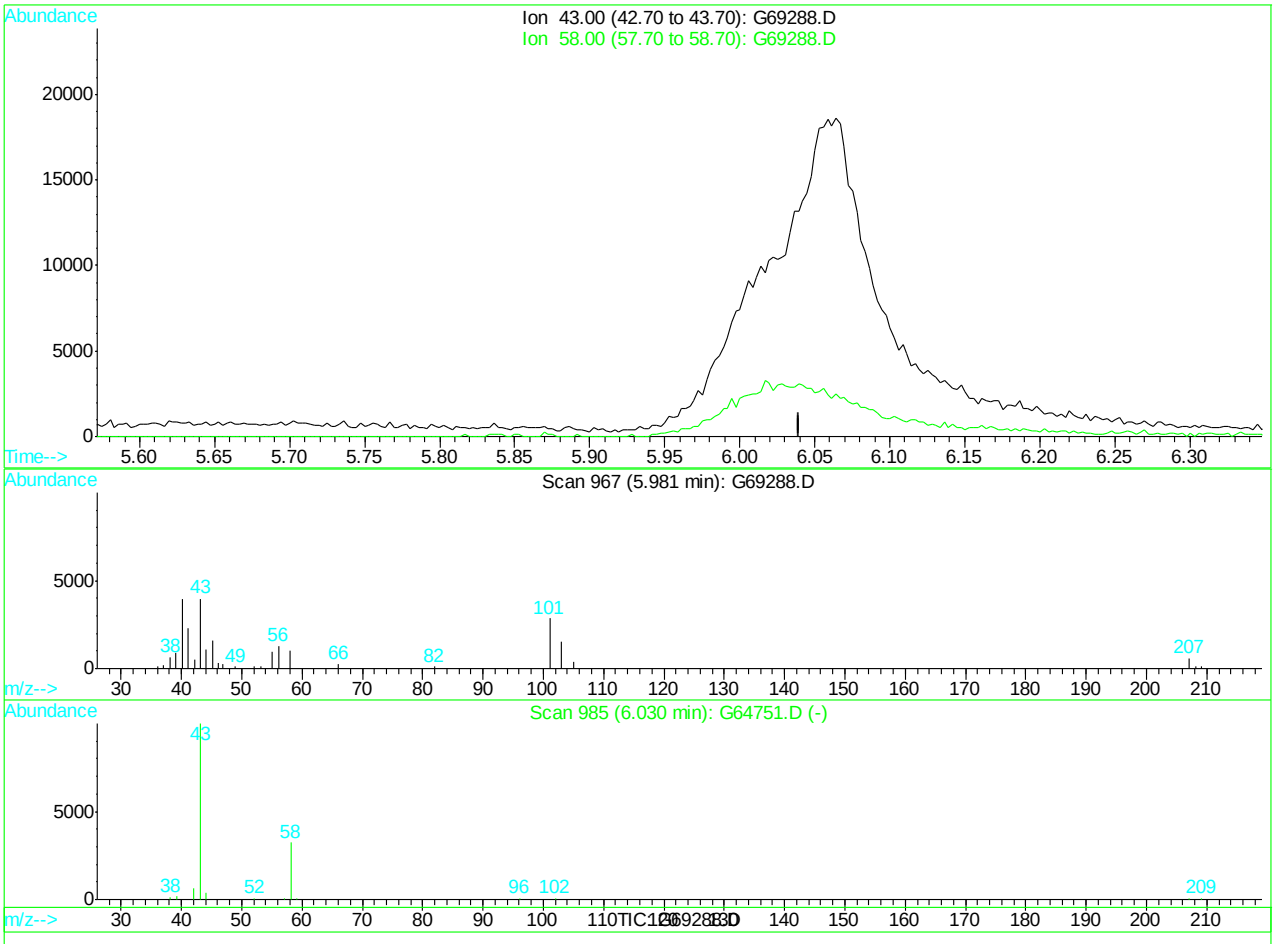
| Ion | Exp% | Act% |
|---|---|---|
| 45.00 | 100 | 100 |
| 46.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

G69288.D G042507W.M Mon Apr 30 14:11:57 2007 RP1

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69288.D  Vial: 3
Acq On : 30 Apr 2007 1:36 pm  Operator: kimt
Sample : BSD  Inst : 5973 G
Misc : MS13447,MSG2785,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 14:12 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Multiple Level Calibration




(16) acetone (M)

5.98min 0.00ppb

response 0

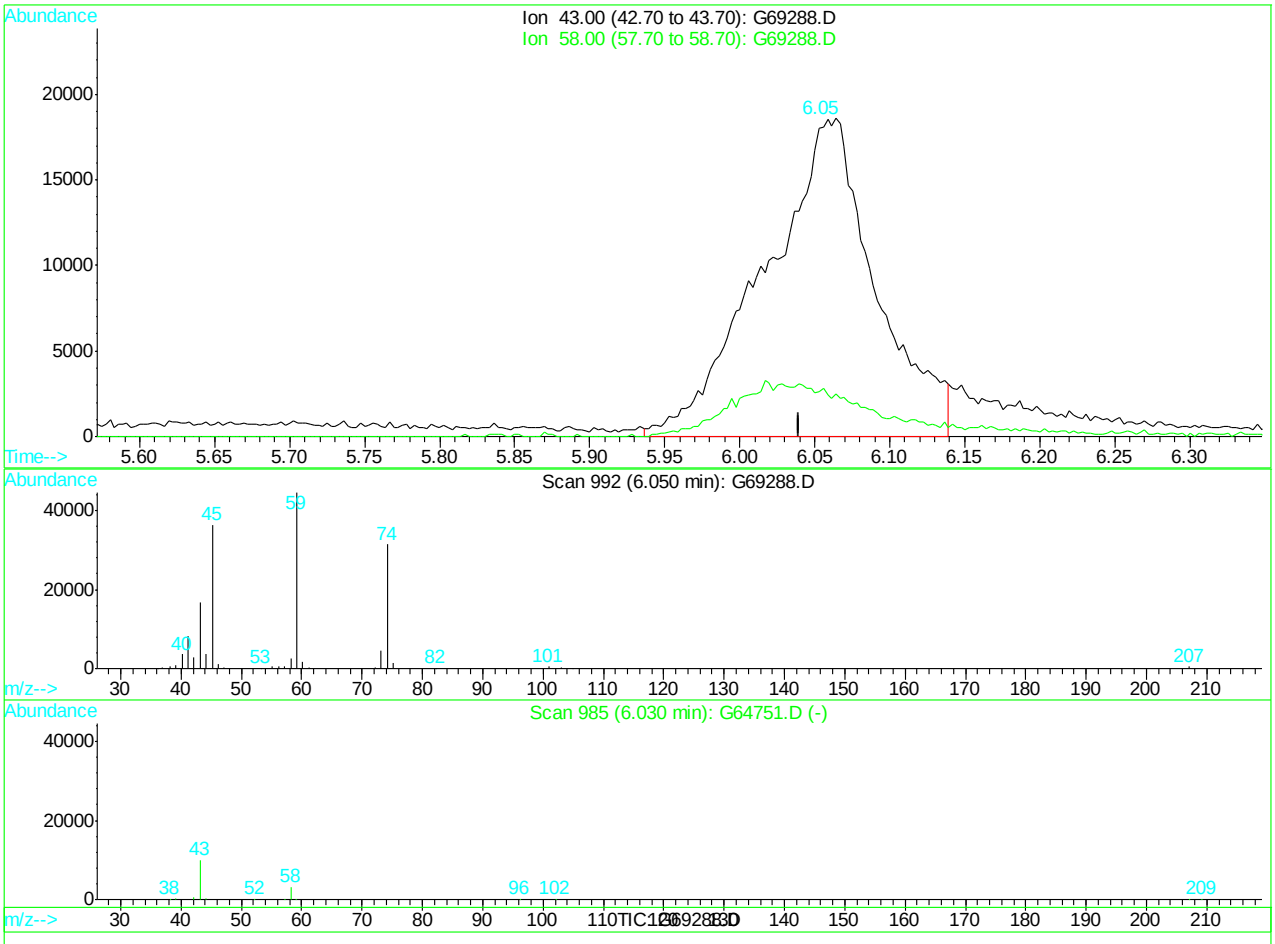
| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 0.00 |
| 58.00 | 28.80 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

G69288.D G042507W.M Mon Apr 30 14:12:17 2007 RP1

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69288.D  Vial: 3
Acq On : 30 Apr 2007 1:36 pm  Operator: kimt
Sample : BSD  Inst : 5973 G
Misc : MS13447,MSG2785,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 14:12 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Multiple Level Calibration




(16) acetone (M)

6.05min 78.39ppb m

response 94996

| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 58.00 | 28.80 | 15.27 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

G69288.D G042507W.M Mon Apr 30 14:12:27 2007 RP1

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani 05/01/07 14:12

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69289.D Vial: 4
Acq On : 30 Apr 2007 2:30 pm Operator: kimt
Sample : BSD Inst : 5973 G
Misc : MS13447,MSG2785,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 15:03 2007 Quant Results File: G042507W.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration
DataAcq Meth : G8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 6.48 | 65 | 104936 | 500.00 | ppb | 0.06 |
| 3) pentafluorobenzene | 8.74 | 168 | 478635 | 50.00 | ppb | 0.00 |
| 43) 1,4-difluorobenzene | 9.61 | 114 | 658157 | 50.00 | ppb | 0.00 |
| 66) chlorobenzene-d5 | 12.86 | 82 | 322759 | 50.00 | ppb | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 15.42 | 152 | 384669 | 50.00 | ppb | 0.00 |

System Monitoring Compounds

| | | | | | | |
|---|---|---|---|---|---|---|
| 40) dibromofluoromethane (s) | 8.38 | 113 | 201007 | 48.52 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 83 - 127 | | Recovery = 97.04% | | | |
| 60) toluene-d8 (s) | 11.40 | 98 | 773993 | 48.36 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 89 - 112 | | Recovery = 96.72% | | | |
| 82) bromofluorobenzene (s) | 14.09 | 95 | 299632 | 47.46 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 81 - 119 | | Recovery = 94.92% | | | |

Target Compounds

| | | | | | | | Qvalue |
|---|---|---|---|---|---|---|---|
| 2) tertiary butyl alcohol | 6.55 | 59 | 144342 | 585.43 | ppb | | 64 |
| 4) Ethanol | 5.68 | 45 | 71320m | 2825.62 | ppb | | |
| 5) dichlorodifluoromethane | 4.15 | 85 | 144680 | 30.51 | ppb | | 97 |
| 6) chloromethane | 4.35 | 50 | 230646 | 42.25 | ppb | | 99 |
| 7) vinyl chloride | 4.62 | 62 | 217896 | 42.16 | ppb | | 92 |
| 8) bromomethane | 5.07 | 96 | 161786 | 41.70 | ppb | | 95 |
| 9) chloroethane | 5.23 | 64 | 150010 | 43.27 | ppb | | 100 |
| 10) ethyl ether | 6.08 | 59 | 160951 | 41.17 | ppb | | 91 |
| 11) acetonitrile | 5.79 | 41 | 15241 | 37.78 | ppb | # | 1 |
| 12) trichlorofluoromethane | 5.88 | 101 | 242988 | 42.39 | ppb | | 98 |
| 13) freon-113 | 6.63 | 101 | 189932 | 47.76 | ppb | | 98 |
| 14) acrolein | 5.85 | 56 | 141598 | 181.93 | ppb | | 98 |
| 15) 1,1-dichloroethene | 6.42 | 96 | 186547 | 43.69 | ppb | | 96 |
| 16) acetone | 6.02 | 43 | 50104m | 41.69 | ppb | | |
| 17) Methyl Acetate | 6.62 | 43 | 225318 | 34.74 | ppb | # | 90 |
| 18) methylene chloride | 6.57 | 84 | 225227 | 43.45 | ppb | | 98 |
| 19) methyl tert butyl ether | 7.35 | 73 | 570234 | 44.22 | ppb | | 100 |
| 20) acrylonitrile | 6.50 | 53 | 405246 | 208.16 | ppb | | 95 |
| 21) allyl chloride | 6.65 | 41 | 336278 | 45.36 | ppb | | 98 |
| 22) trans-1,2-dichloroethene | 7.25 | 96 | 213430 | 44.46 | ppb | | 95 |
| 23) iodomethane | 6.48 | 142 | 370921 | 45.91 | ppb | | 99 |
| 24) carbon disulfide | 6.85 | 76 | 655957 | 48.12 | ppb | | 99 |
| 25) propionitrile | 6.48 | 54 | 14491 | 39.33 | ppb | | 100 |
| 26) vinyl acetate | 7.60 | 43 | 222918 | 25.97 | ppb | | 99 |
| 27) chloroprene | 7.86 | 53 | 277156 | 46.59 | ppb | | 95 |
| 28) di-isopropyl ether | 7.90 | 45 | 691085 | 40.33 | ppb | | 99 |
| 29) methacrylonitrile | 8.01 | 41 | 130729 | 38.77 | ppb | | 98 |
| 30) 2-butanone | 7.93 | 72 | 19092 | 32.79 | ppb | # | 50 |
| 31) Hexane | 7.88 | 41 | 297675 | 41.72 | ppb | | 87 |
| 32) 1,1-dichloroethane | 7.49 | 63 | 363478 | 43.36 | ppb | | 99 |
| 33) tert-butyl ethyl ether | 8.30 | 59 | 624735 | 42.91 | ppb | | 99 |
| 34) isobutyl alcohol | 8.34 | 43 | 109684 | 207.14 | ppb | # | 1 |
| 35) 2,2-dichloropropane | 8.36 | 77 | 269390 | 50.21 | ppb | | 100 |
| 36) cis-1,2-dichloroethene | 8.06 | 96 | 227674 | 42.10 | ppb | | 94 |
| 37) ethyl acetate | 8.21 | 43 | 157218 | 1625.82 | ppb | | 86 |

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69289.D Vial: 4
Acq On : 30 Apr 2007 2:30 pm Operator: kimt
Sample : BSD Inst : 5973 G
Misc : MS13447,MSG2785,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 15:03 2007 Quant Results File: G042507W.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration
DataAcq Meth : G8260

| Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|
| 38) bromochloromethane | 8.23 | 128 | 120026 | 45.06 ppb | 95 |
| 39) chloroform | 8.26 | 83 | 361736 | 43.82 ppb | 94 |
| 41) Tetrahydrofuran | 8.63 | 42 | 58120 | 40.23 ppb | 95 |
| 42) 1,1,1-trichloroethane | 9.02 | 97 | 303063 | 44.78 ppb | 97 |
| 44) Cyclohexane | 9.30 | 56 | 341609 | 44.67 ppb | 99 |
| 45) carbon tetrachloride | 9.38 | 117 | 287146 | 47.19 ppb | 97 |
| 46) 1,1-dichloropropene | 9.19 | 75 | 268067 | 46.16 ppb | 97 |
| 47) benzene | 9.41 | 78 | 840977 | 45.32 ppb | 100 |
| 48) 1,2-dichloroethane | 8.91 | 62 | 257096 | 44.40 ppb | 98 |
| 49) tert-amyl methyl ether | 9.54 | 73 | 577366 | 44.00 ppb | 98 |
| 50) heptane | 9.89 | 43 | 300863 | 48.12 ppb | 99 |
| 51) trichloroethene | 10.03 | 95 | 212100 | 46.29 ppb | 92 |
| 52) 1,2-dichloropropane | 9.99 | 63 | 207250 | 44.56 ppb | 99 |
| 53) dibromomethane | 9.97 | 93 | 128934 | 43.74 ppb | 96 |
| 54) bromodichloromethane | 10.08 | 83 | 274959 | 42.32 ppb | 95 |
| 55) Methylcyclohexane | 10.55 | 83 | 358670 | 46.41 ppb | 96 |
| 57) methyl methacrylate | 10.18 | 69 | 139606 | 44.33 ppb | 99 |
| 58) 1,4-dioxane | 10.31 | 88 | 4151m | 151.76 ppb | |
| 59) cis-1,3-dichloropropene | 10.70 | 75 | 340341 | 47.98 ppb | 96 |
| 61) 4-methyl-2-pentanone | 10.80 | 43 | 197430 | 41.22 ppb | 97 |
| 62) toluene | 11.48 | 92 | 535211 | 44.89 ppb | 100 |
| 63) trans-1,3-dichloropropene | 11.12 | 75 | 283493 | 48.06 ppb | 94 |
| 64) 1,1,2-trichloroethane | 11.29 | 83 | 157166 | 43.81 ppb | 99 |
| 65) ethyl methacrylate | 11.50 | 69 | 262423 | 44.08 ppb | 94 |
| 67) tetrachloroethene | 12.22 | 166 | 264570 | 48.60 ppb | 97 |
| 68) 1,3-dichloropropane | 11.52 | 76 | 325491 | 46.13 ppb | 100 |
| 69) dibromochloromethane | 11.81 | 129 | 232219 | 45.67 ppb | 98 |
| 70) 1,2-dibromoethane | 12.06 | 107 | 197058 | 46.48 ppb | 99 |
| 71) 2-hexanone | 11.65 | 43 | 135592 | 42.09 ppb | 99 |
| 72) chlorobenzene | 12.90 | 112 | 601279 | 45.17 ppb | 98 |
| 73) 1,1,1,2-tetrachloroethane | 12.82 | 131 | 230311 | 48.30 ppb | 99 |
| 74) ethylbenzene | 13.07 | 91 | 1011209 | 47.34 ppb | 99 |
| 75) m,p-xylene | 13.26 | 106 | 802906 | 94.40 ppb | 98 |
| 76) o-xylene | 13.67 | 106 | 400892 | 47.19 ppb | 99 |
| 77) styrene | 13.60 | 104 | 668250 | 48.37 ppb | 99 |
| 78) bromoform | 13.42 | 173 | 186003 | 45.29 ppb | 97 |
| 79) trans-1,4-dichloro-2-buten | 13.82 | 53 | 62272 | 47.62 ppb | 94 |
| 81) isopropylbenzene | 14.03 | 105 | 931847 | 45.40 ppb | 98 |
| 83) bromobenzene | 14.32 | 156 | 303743 | 43.98 ppb | 95 |
| 84) 1,1,2,2-tetrachloroethane | 13.67 | 83 | 261549 | 41.31 ppb | 100 |
| 85) 1,2,3-trichloropropane | 13.82 | 75 | 281888 | 42.75 ppb | 100 |
| 86) n-propylbenzene | 14.48 | 91 | 1210668 | 44.18 ppb | 98 |
| 87) 2-chlorotoluene | 14.60 | 91 | 721516 | 43.37 ppb | 98 |
| 88) 4-chlorotoluene | 14.67 | 91 | 729819 | 43.30 ppb | 99 |
| 89) 1,3,5-trimethylbenzene | 14.76 | 105 | 899738 | 45.76 ppb | 99 |
| 90) tert-butylbenzene | 15.06 | 91 | 475662 | 45.92 ppb | 99 |
| 91) 1,2,4-trimethylbenzene | 15.17 | 105 | 918580 | 45.16 ppb | 100 |
| 92) sec-butylbenzene | 15.29 | 105 | 1181316 | 45.71 ppb | 99 |
| 93) 1,3-dichlorobenzene | 15.39 | 146 | 576183 | 44.10 ppb | 99 |

(#) = qualifier out of range (m) = manual integration
G69289.D G042507W.M Mon Apr 30 15:03:49 2007 RP1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69289.D Vial: 4
Acq On : 30 Apr 2007 2:30 pm Operator: kimt
Sample : BSD Inst : 5973 G
Misc : MS13447,MSG2785,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 15:03 2007 Quant Results File: G042507W.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration
DataAcq Meth : G8260

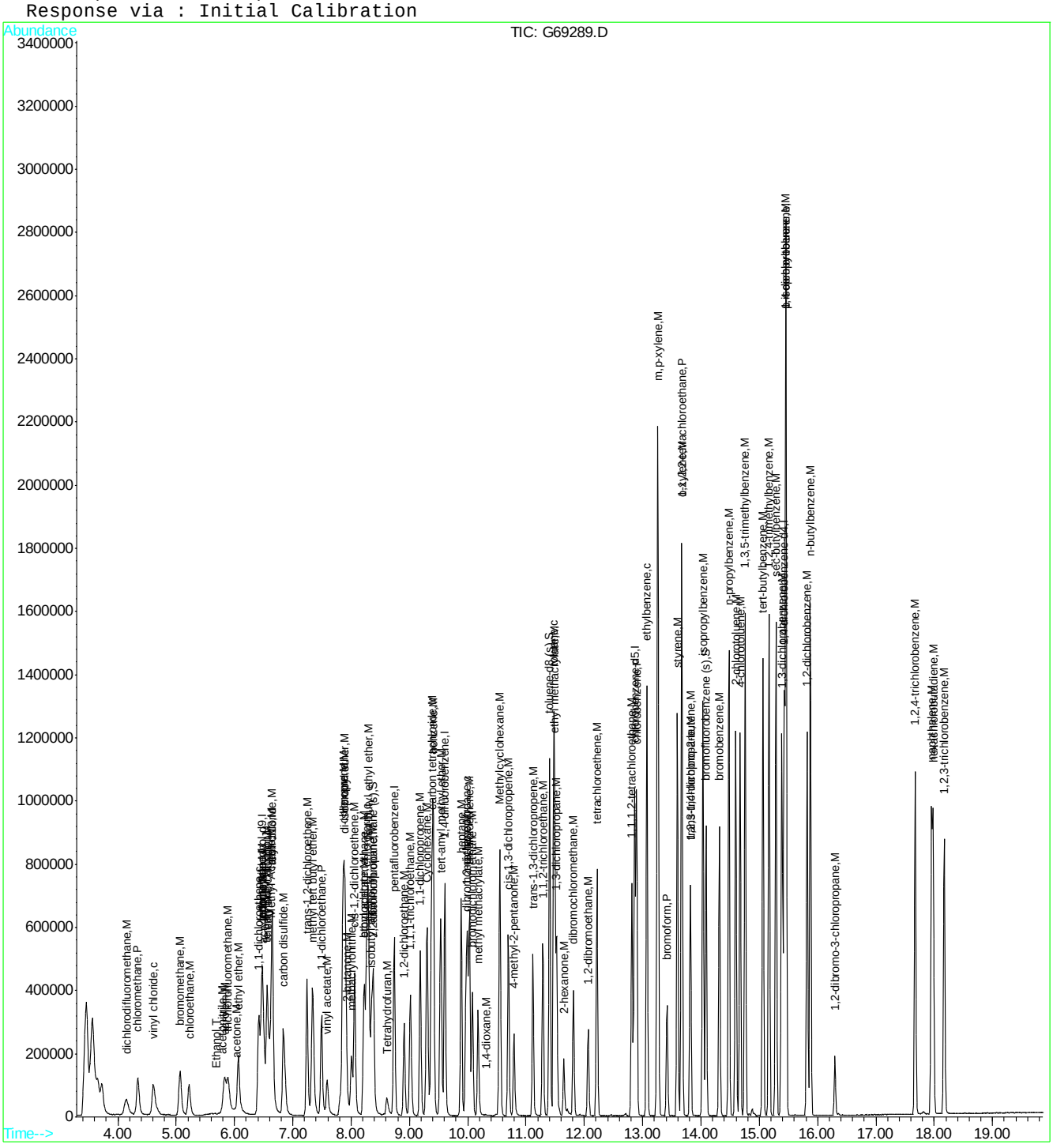
| | Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|---|---|---|---|---|---|---|---|
| 94) | p-isopropyltoluene | 15.46 | 119 | 1046558 | 46.01 | ppb | 99 |
| 95) | 1,4-dichlorobenzene | 15.45 | 146 | 604899 | 44.45 | ppb | 98 |
| 96) | 1,2-dichlorobenzene | 15.82 | 146 | 558789 | 44.66 | ppb | 99 |
| 97) | n-butylbenzene | 15.88 | 91 | 941494 | 46.69 | ppb | 97 |
| 98) | 1,2-dibromo-3-chloropropan | 16.30 | 75 | 44462 | 39.13 | ppb | 91 |
| 99) | 1,2,4-trichlorobenzene | 17.67 | 180 | 415515 | 46.23 | ppb | 99 |
| 100) | hexachlorobutadiene | 17.98 | 225 | 244099 | 48.63 | ppb | 99 |
| 101) | naphthalene | 17.95 | 128 | 820186 | 42.35 | ppb | 100 |
| 102) | 1,2,3-trichlorobenzene | 18.17 | 180 | 347607 | 44.29 | ppb | 100 |

(#) = qualifier out of range (m) = manual integration
G69289.D G042507W.M Mon Apr 30 15:03:49 2007 RP1 Page 3

Quantitation Report

Data File : C:\HPCHEM\1\DATA\G69289.D  Vial: 4
Acq On : 30 Apr 2007 2:30 pm  Operator: kimt
Sample : BSD  Inst : 5973 G
Misc : MS13447,MSG2785,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 15:03 2007  Quant Results File: G042507W.RES

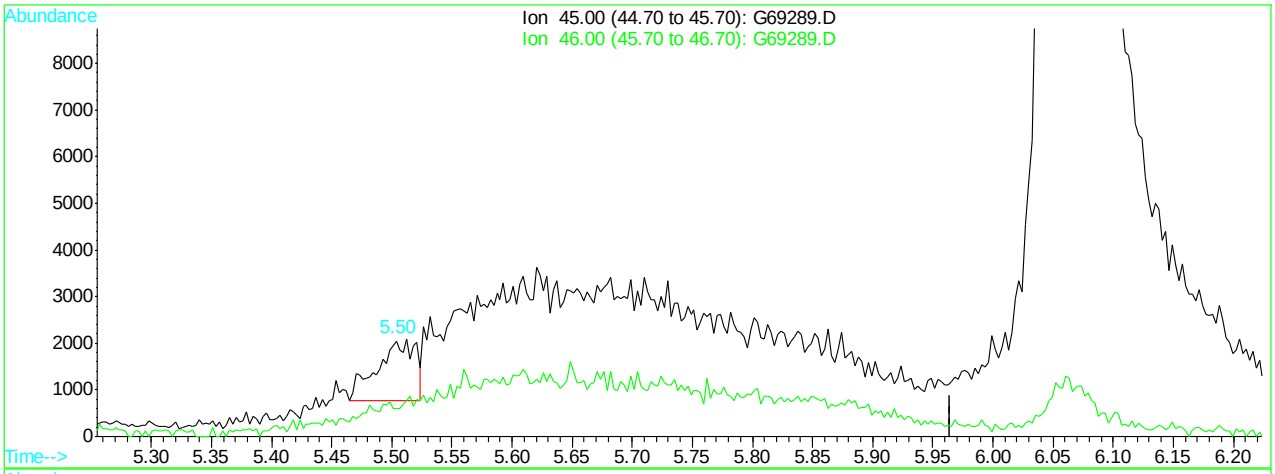
Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration

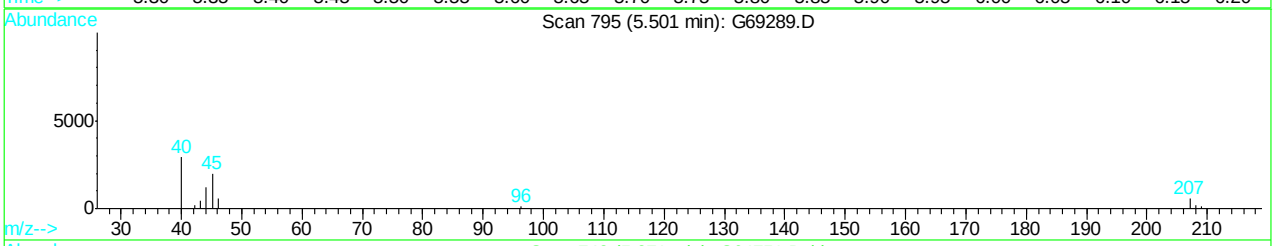


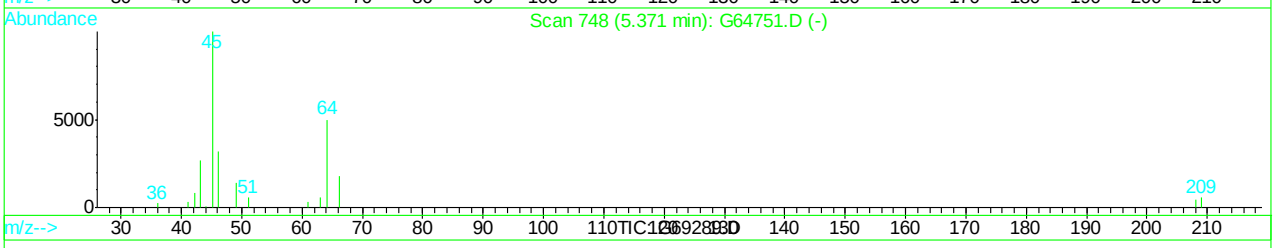
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69289.D  Vial: 4
Acq On : 30 Apr 2007 2:30 pm  Operator: kimt
Sample : BSD  Inst : 5973 G
Misc : MS13447,MSG2785,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 15:01 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Multiple Level Calibration




(4) Ethanol (T)

5.50min -60.87ppb

response 2866

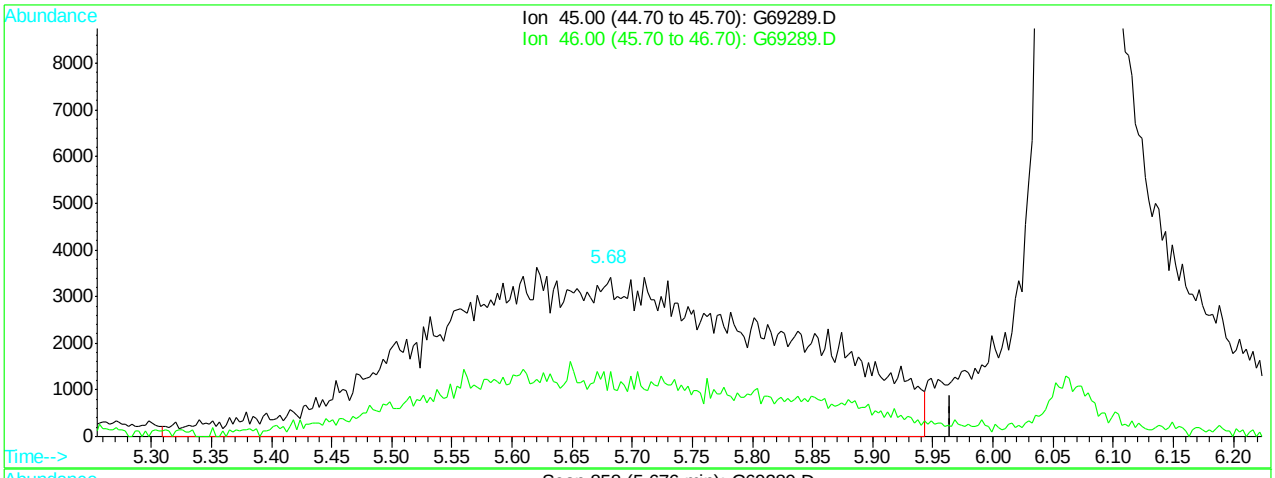
| Ion | Exp% | Act% |
|---|---|---|
| 45.00 | 100 | 100 |
| 46.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

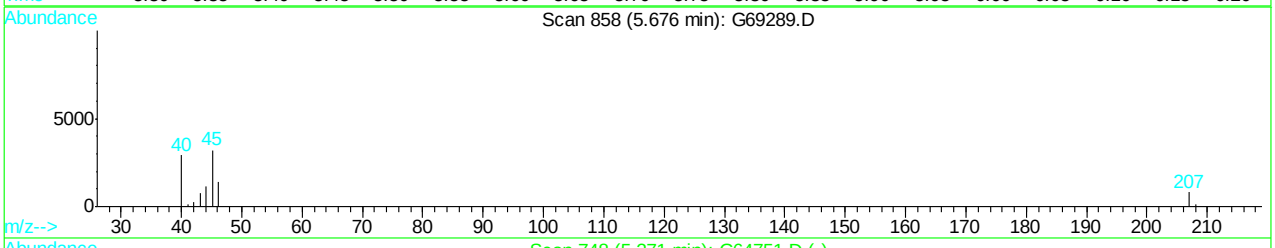
G69289.D G042507W.M Mon Apr 30 15:01:44 2007 RP1

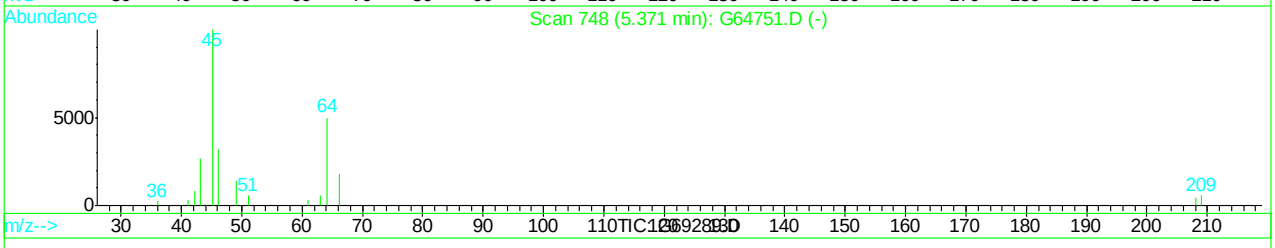
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69289.D  Vial: 4
Acq On : 30 Apr 2007 2:30 pm  Operator: kimt
Sample : BSD  Inst : 5973 G
Misc : MS13447,MSG2785,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 15:02 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Multiple Level Calibration




(4) Ethanol (T)

5.68min 2825.62ppb m

response 71320

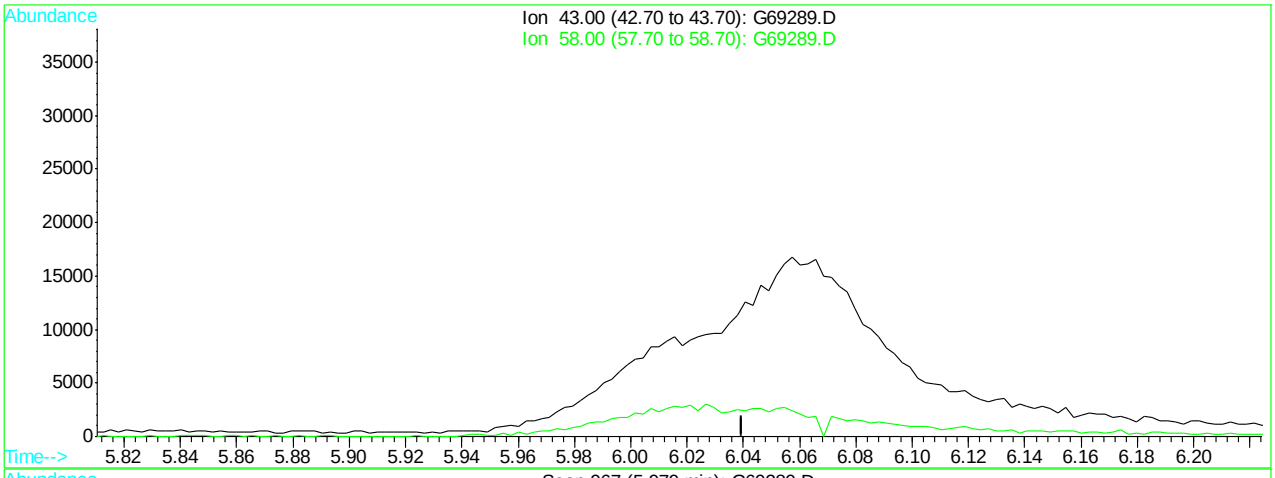
| Ion | Exp% | Act% |
|---|---|---|
| 45.00 | 100 | 100 |
| 46.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

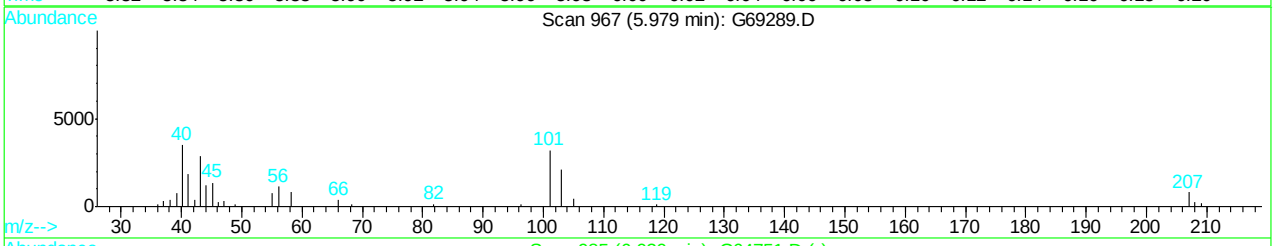
G69289.D G042507W.M Mon Apr 30 15:02:13 2007 RP1

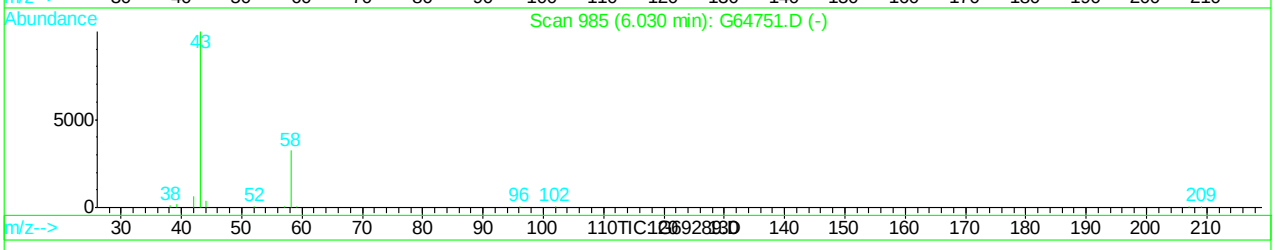
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69289.D  Vial: 4
Acq On : 30 Apr 2007 2:30 pm  Operator: kimt
Sample : BSD  Inst : 5973 G
Misc : MS13447,MSG2785,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 15:02 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Multiple Level Calibration




(16) acetone (M)

5.98min 0.00ppb

response 0

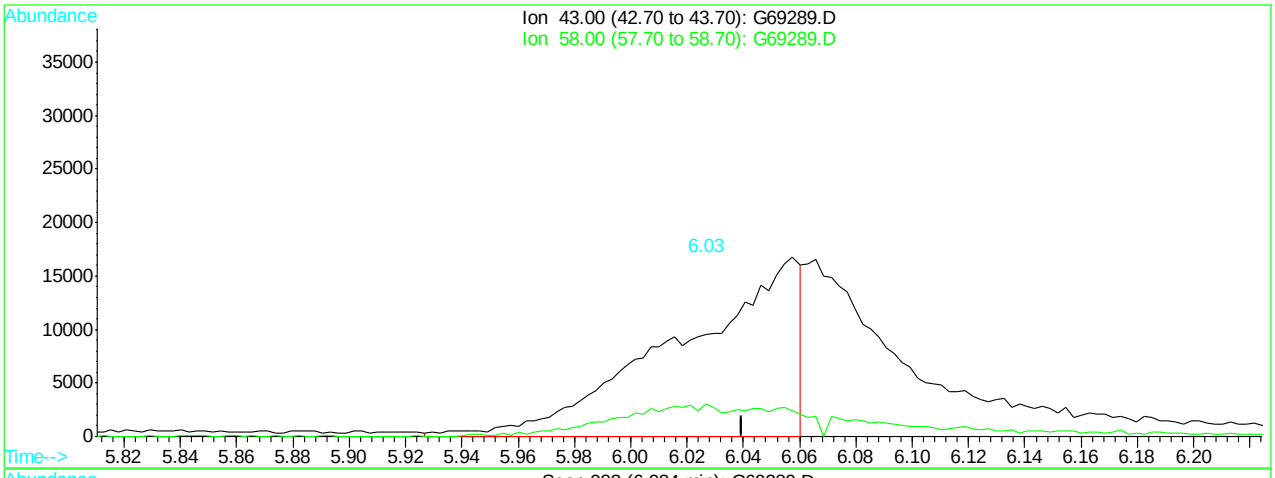
| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 0.00 |
| 58.00 | 28.80 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

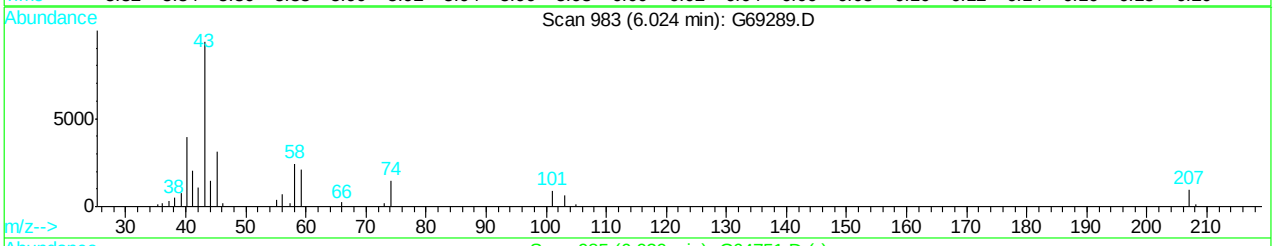
G69289.D G042507W.M Mon Apr 30 15:02:25 2007 RP1

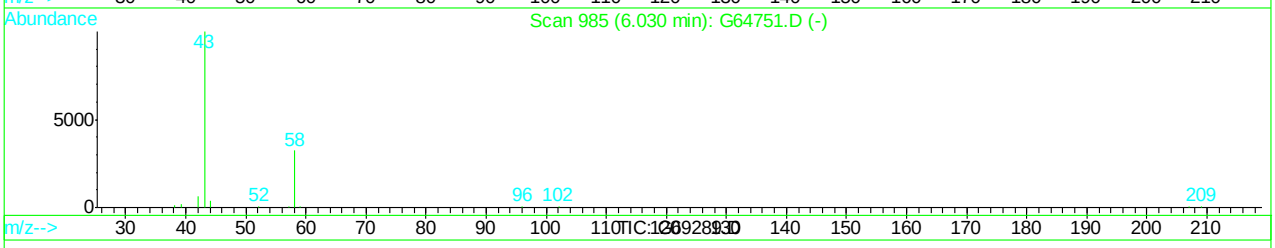
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69289.D  Vial: 4
Acq On : 30 Apr 2007 2:30 pm  Operator: kimt
Sample : BSD  Inst : 5973 G
Misc : MS13447,MSG2785,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 15:02 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Multiple Level Calibration




(16) acetone (M)

6.02min 41.69ppb m

response 50104

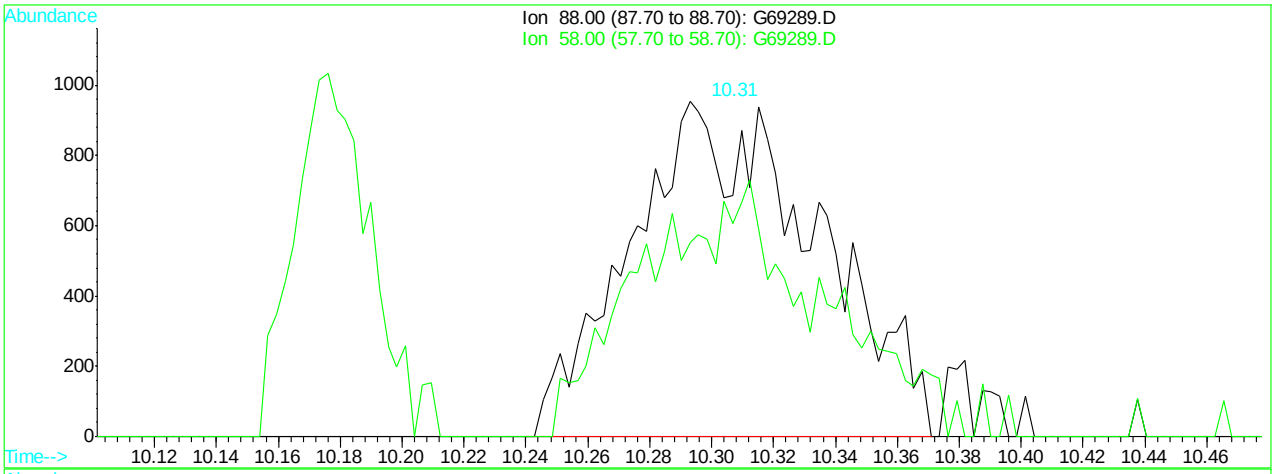
| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 58.00 | 28.80 | 26.16 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

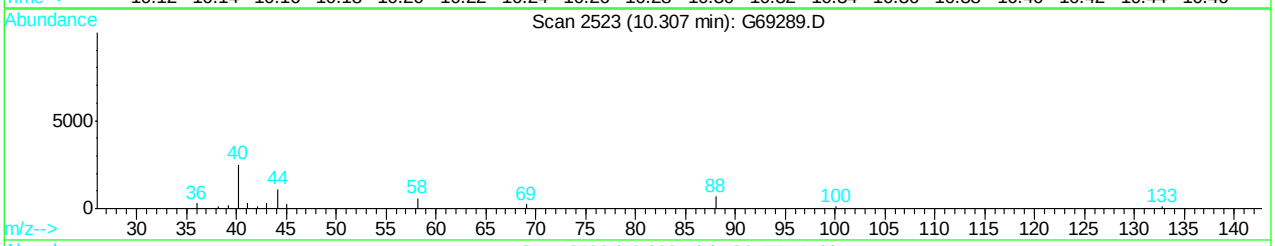
G69289.D G042507W.M Mon Apr 30 15:02:51 2007 RP1

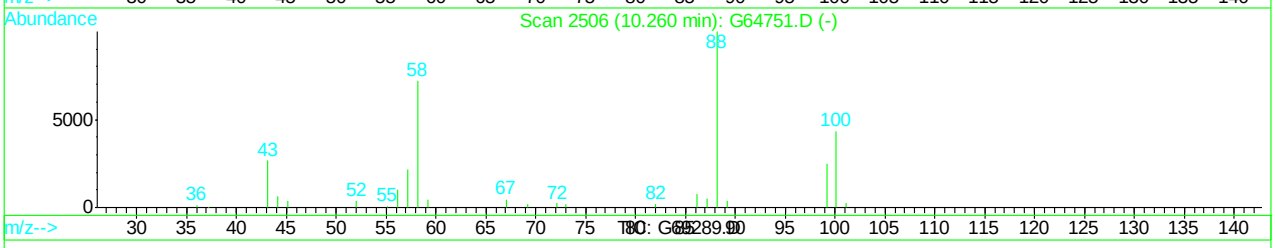
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69289.D  Vial: 4
Acq On : 30 Apr 2007 2:30 pm  Operator: kimt
Sample : BSD  Inst : 5973 G
Misc : MS13447,MSG2785,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 15:03 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Multiple Level Calibration




(58) 1,4-dioxane (M)

10.31min 145.94ppb

response 3987

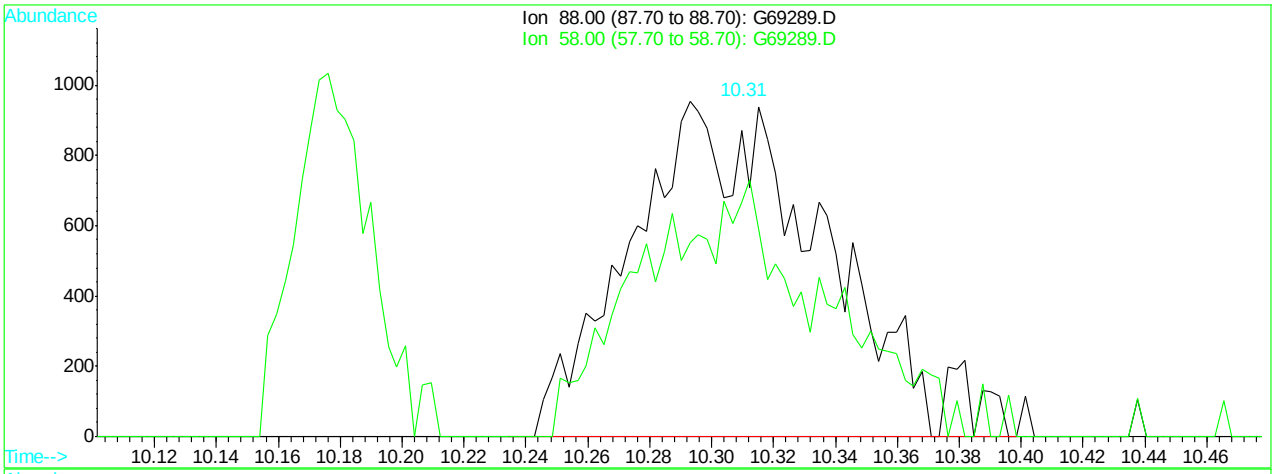
| Ion | Exp% | Act% |
|---|---|---|
| 88.00 | 100 | 100 |
| 58.00 | 34.90 | 88.19# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

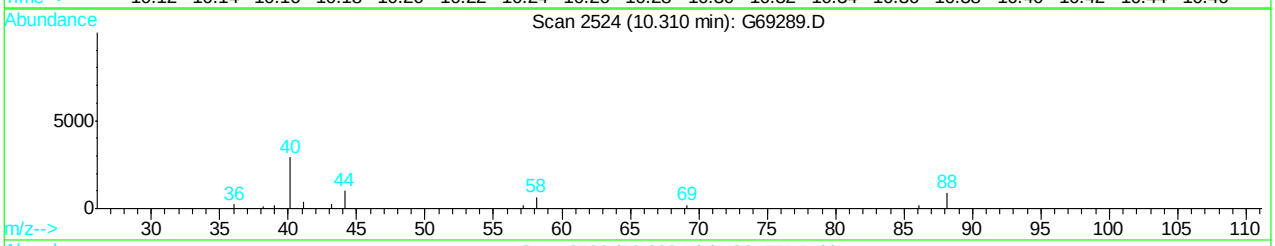
G69289.D G042507W.M Mon Apr 30 15:03:30 2007 RP1

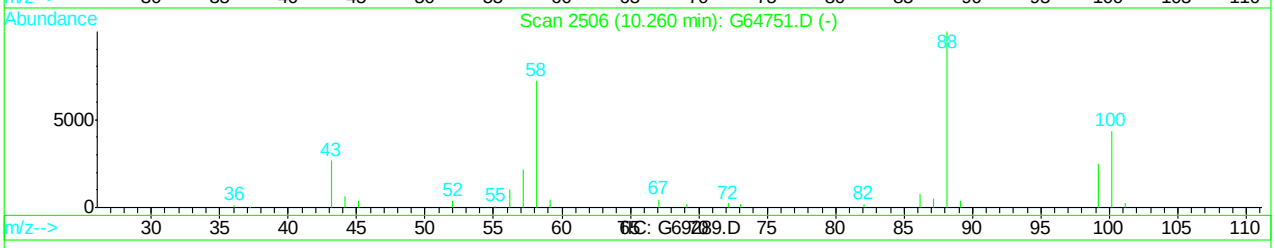
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69289.D  Vial: 4
Acq On : 30 Apr 2007 2:30 pm  Operator: kimt
Sample : BSD  Inst : 5973 G
Misc : MS13447,MSG2785,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 15:03 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Multiple Level Calibration




(58) 1,4-dioxane (M)

10.31min 151.76ppb m

response 4151

| Ion | Exp% | Act% |
|---|---|---|
| 88.00 | 100 | 100 |
| 58.00 | 34.90 | 76.61# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

G69289.D G042507W.M Mon Apr 30 15:03:36 2007 RP1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18892.D Vial: 28
Acq On : 26 Apr 2007 4:20 pm Operator: alit
Sample : M64073-9MS Inst : MAMSN
Misc : ms13439,msn683,,,,5,5 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 27 08:59:26 2007 Quant Results File: N042007W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Apr 25 10:27:30 2007
Response via : Initial Calibration
DataAcq Meth : N8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 5.85 | 65 | 56840 | 500.00 | ug/L | 0.00 |
| 3) pentafluorobenzene | 8.28 | 168 | 110239 | 50.00 | ug/L | 0.00 |
| 43) 1,4-difluorobenzene | 9.13 | 114 | 158172 | 50.00 | ug/L | 0.00 |
| 66) chlorobenzene-d5 | 12.38 | 82 | 89517 | 50.00 | ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 14.94 | 152 | 118051 | 50.00 | ug/L | 0.00 |

System Monitoring Compounds

| | | | | | | |
|---|---|---|---|---|---|---|
| 40) dibromofluoromethane (s) | 7.90 | 113 | 60315 | 57.61 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 84 - 129 | | Recovery = 115.22% | | | |
| 60) toluene-d8 (s) | 10.93 | 98 | 207135 | 52.15 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 104.30% | | | |
| 82) bromofluorobenzene (s) | 13.61 | 95 | 92431 | 49.52 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 82 - 118 | | Recovery = 99.04% | | | |

| Target Compounds | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 2) tertiary butyl alcohol | 5.94 | 59 | 72928 | 500.50 | ug/L | 94 |
| 4) Ethanol | 4.78 | 45 | 71406 | 6418.41 | ug/L | 100 |
| 5) dichlorodifluoromethane | 3.71 | 85 | 62371 | 91.13 | ug/L | 98 |
| 6) chloromethane | 3.94 | 50 | 52262 | 62.50 | ug/L | 98 |
| 7) vinyl chloride | 4.16 | 62 | 47362 | 68.96 | ug/L | 96 |
| 8) bromomethane | 4.61 | 96 | 26986 | 57.94 | ug/L | 96 |
| 9) chloroethane | 4.77 | 64 | 23825 | 72.83 | ug/L | 93 |
| 10) ethyl ether | 5.61 | 59 | 38883 | 55.17 | ug/L | 97 |
| 11) acetonitrile | 5.38 | 41 | 15766 | 66.28 | ug/L | 94 |
| 12) trichlorofluoromethane | 5.38 | 101 | 80287 | 67.48 | ug/L | 98 |
| 13) freon-113 | 6.13 | 101 | 49082 | 72.56 | ug/L | 96 |
| 14) acrolein | 5.37 | 56 | 70174 | 368.33 | ug/L | 100 |
| 15) 1,1-dichloroethene | 5.94 | 96 | 44212 | 57.28 | ug/L | 89 |
| 16) acetone | 5.49 | 43 | 24632 | 64.92 | ug/L | 90 |
| 17) Methyl Acetate | 6.12 | 43 | 75928 | 53.78 | ug/L # | 96 |
| 18) methylene chloride | 6.09 | 84 | 61321 | 59.65 | ug/L | 96 |
| 19) methyl tert butyl ether | 6.86 | 73 | 138137 | 59.40 | ug/L | 98 |
| 20) acrylonitrile | 5.99 | 53 | 134250 | 332.23 | ug/L | 99 |
| 21) allyl chloride | 6.18 | 41 | 63333 | 66.72 | ug/L | 100 |
| 22) trans-1,2-dichloroethene | 6.76 | 96 | 49940 | 55.51 | ug/L | 94 |
| 23) iodomethane | 5.99 | 142 | 58224 | 52.55 | ug/L | 94 |
| 24) carbon disulfide | 6.34 | 76 | 185933 | 72.77 | ug/L | 98 |
| 25) propionitrile | 7.01 | 54 | 10311 | 62.76 | ug/L | 100 |
| 26) vinyl acetate | 7.12 | 43 | 64307 | 33.15 | ug/L | 96 |
| 27) chloroprene | 7.37 | 53 | 66878 | 66.46 | ug/L | 92 |
| 28) di-isopropyl ether | 7.43 | 45 | 173787 | 59.47 | ug/L | 92 |
| 29) methacrylonitrile | 7.53 | 41 | 42883 | 66.74 | ug/L | 91 |
| 30) 2-butanone | 7.43 | 72 | 7426 | 60.48 | ug/L # | 86 |
| 31) Hexane | 7.41 | 41 | 73857 | 75.32 | ug/L | 97 |
| 32) 1,1-dichloroethane | 7.01 | 63 | 93694 | 62.83 | ug/L | 95 |
| 33) tert-butyl ethyl ether | 7.82 | 59 | 152248 | 58.75 | ug/L | 94 |
| 34) isobutyl alcohol | 7.42 | 43 | 150910 | 331.67 | ug/L | 99 |
| 35) 2,2-dichloropropane | 7.87 | 77 | 71137 | 68.34 | ug/L | 93 |
| 36) cis-1,2-dichloroethene | 7.58 | 96 | 55957 | 51.74 | ug/L | 87 |
| 37) ethyl acetate | 7.74 | 43 | 57133 | 100.15 | ug/L | 89 |

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18892.D Vial: 28
Acq On : 26 Apr 2007 4:20 pm Operator: alit
Sample : M64073-9MS Inst : MAMSN
Misc : ms13439,msn683,,,,5,5 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 27 08:59:26 2007 Quant Results File: N042007W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Apr 25 10:27:30 2007
Response via : Initial Calibration
DataAcq Meth : N8260

| Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|
| 38) bromochloromethane | 7.74 | 128 | 29057 | 57.21 ug/L | 93 |
| 39) chloroform | 7.78 | 83 | 99359 | 62.25 ug/L | 94 |
| 41) Tetrahydrofuran | 8.10 | 42 | 19815 | 64.51 ug/L | 94 |
| 42) 1,1,1-trichloroethane | 8.52 | 97 | 85649 | 70.27 ug/L | 99 |
| 44) Cyclohexane | 8.81 | 56 | 80615 | 62.26 ug/L | 98 |
| 45) carbon tetrachloride | 8.89 | 117 | 75208 | 62.75 ug/L | 99 |
| 46) 1,1-dichloropropene | 8.70 | 75 | 67042 | 57.38 ug/L | 99 |
| 47) benzene | 8.92 | 78 | 199807 | 53.50 ug/L | 100 |
| 48) 1,2-dichloroethane | 8.43 | 62 | 78379 | 64.04 ug/L | 95 |
| 49) tert-amyl methyl ether | 9.05 | 73 | 131619 | 49.50 ug/L | 97 |
| 50) heptane | 9.42 | 43 | 49668 | 58.98 ug/L | 97 |
| 51) trichloroethene | 9.55 | 95 | 56423 | 54.91 ug/L | 98 |
| 52) 1,2-dichloropropane | 9.51 | 63 | 52623 | 55.26 ug/L | 99 |
| 53) dibromomethane | 9.48 | 93 | 38370 | 56.73 ug/L | 98 |
| 54) bromodichloromethane | 9.60 | 83 | 77333 | 57.56 ug/L | 96 |
| 55) Methylcyclohexane | 10.06 | 83 | 79597 | 54.84 ug/L | 96 |
| 56) 2-chloroethyl vinyl ether | 9.51 | 63 | 52623 | 55.26 ug/L # | 99 |
| 57) methyl methacrylate | 9.71 | 69 | 39347 | 54.87 ug/L | 92 |
| 58) 1,4-dioxane | 9.70 | 88 | 4804 | 255.41 ug/L | 79 |
| 59) cis-1,3-dichloropropene | 10.22 | 75 | 82339 | 56.67 ug/L | 97 |
| 61) 4-methyl-2-pentanone | 10.32 | 43 | 67199 | 64.02 ug/L | 95 |
| 62) toluene | 11.00 | 92 | 131577 | 53.00 ug/L | 99 |
| 63) trans-1,3-dichloropropene | 10.65 | 75 | 76409 | 59.25 ug/L | 93 |
| 64) 1,1,2-trichloroethane | 10.81 | 83 | 46941 | 54.65 ug/L | 98 |
| 65) ethyl methacrylate | 11.04 | 69 | 77677 | 58.16 ug/L | 85 |
| 67) tetrachloroethene | 11.74 | 166 | 68802 | 46.49 ug/L | 95 |
| 68) 1,3-dichloropropane | 11.05 | 76 | 93181 | 53.32 ug/L | 96 |
| 69) dibromochloromethane | 11.33 | 129 | 68914 | 50.23 ug/L | 97 |
| 70) 1,2-dibromoethane | 11.58 | 107 | 62848 | 49.68 ug/L | 99 |
| 71) 2-hexanone | 11.18 | 43 | 50768 | 59.05 ug/L | 100 |
| 72) chlorobenzene | 12.42 | 112 | 157668 | 45.44 ug/L | 97 |
| 73) 1,1,1,2-tetrachloroethane | 12.33 | 131 | 59636 | 51.52 ug/L | 85 |
| 74) ethylbenzene | 12.60 | 91 | 266027 | 50.59 ug/L | 98 |
| 75) m,p-xylene | 12.78 | 106 | 210389 | 98.75 ug/L | 95 |
| 76) o-xylene | 13.19 | 106 | 107994 | 50.62 ug/L | 95 |
| 77) styrene | 13.12 | 104 | 169943 | 50.34 ug/L | 93 |
| 78) bromoform | 12.93 | 173 | 60689 | 46.73 ug/L | 96 |
| 79) trans-1,4-dichloro-2-buten | 13.35 | 53 | 27701 | 62.47 ug/L | 93 |
| 81) isopropylbenzene | 13.56 | 105 | 249619 | 52.58 ug/L | 98 |
| 83) bromobenzene | 13.83 | 156 | 88874 | 45.62 ug/L | 95 |
| 84) 1,1,2,2-tetrachloroethane | 13.20 | 83 | 96333 | 55.60 ug/L | 95 |
| 85) 1,2,3-trichloropropane | 13.34 | 75 | 108984 | 55.10 ug/L | 99 |
| 86) n-propylbenzene | 14.00 | 91 | 359040 | 52.50 ug/L | 98 |
| 87) 2-chlorotoluene | 14.11 | 91 | 212839 | 50.34 ug/L | 96 |
| 88) 4-chlorotoluene | 14.19 | 91 | 227120 | 50.81 ug/L | 96 |
| 89) 1,3,5-trimethylbenzene | 14.29 | 105 | 250948 | 52.31 ug/L | 99 |
| 90) tert-butylbenzene | 14.59 | 91 | 147849 | 56.11 ug/L | 98 |
| 91) 1,2,4-trimethylbenzene | 14.69 | 105 | 269314 | 52.57 ug/L | 99 |
| 92) sec-butylbenzene | 14.81 | 105 | 354244 | 53.44 ug/L | 99 |

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18892.D Vial: 28
Acq On : 26 Apr 2007 4:20 pm Operator: alit
Sample : M64073-9MS Inst : MAMSN
Misc : ms13439,msn683,,,,5,5 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 27 08:59:26 2007 Quant Results File: N042007W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Apr 25 10:27:30 2007
Response via : Initial Calibration
DataAcq Meth : N8260

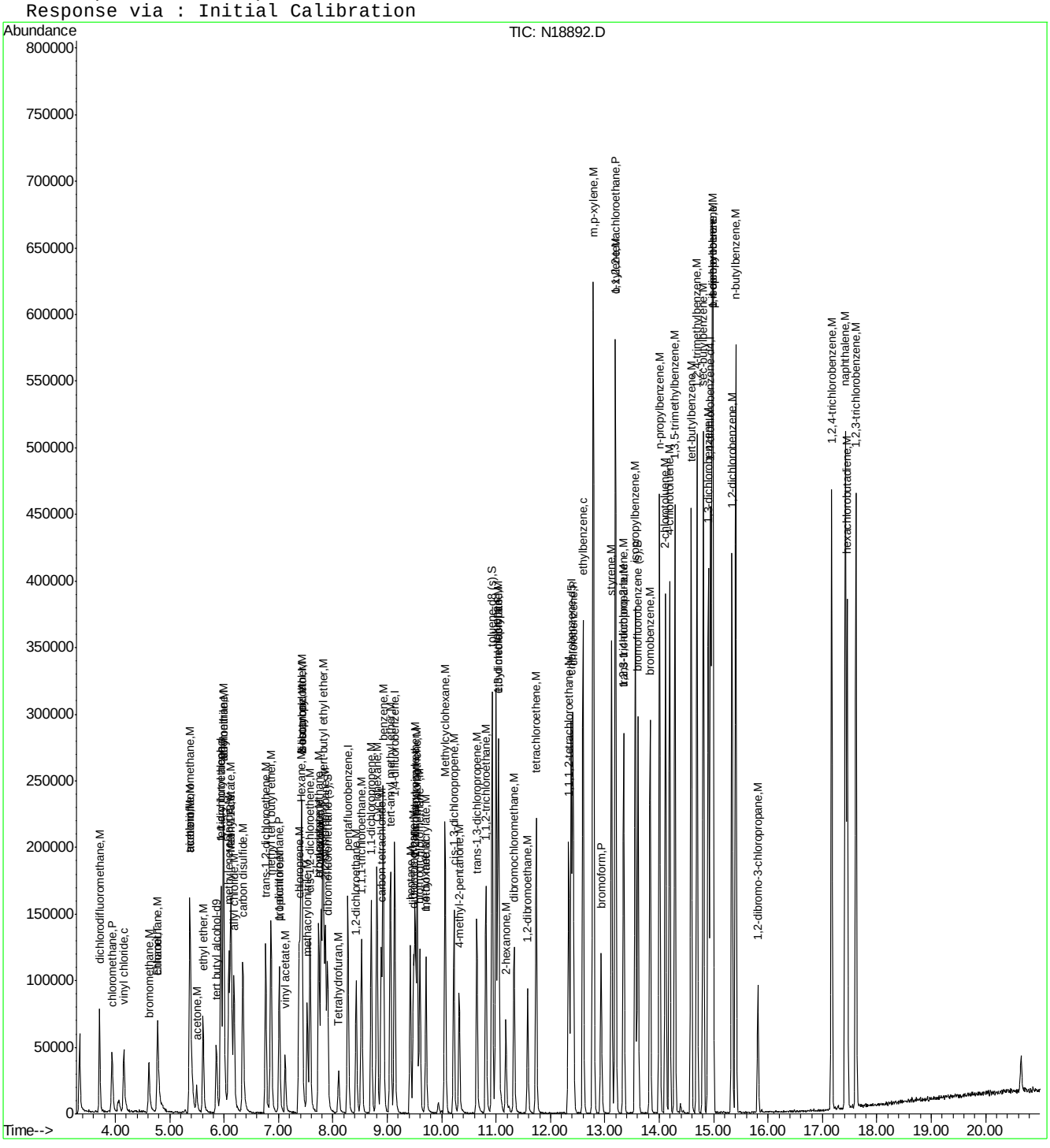
| | Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|---|---|---|---|---|---|---|---|
| 93) | 1,3-dichlorobenzene | 14.90 | 146 | 173860 | 48.59 | ug/L | 97 |
| 94) | p-isopropyltoluene | 14.99 | 119 | 304188 | 51.50 | ug/L | 98 |
| 96) | 1,4-dichlorobenzene | 14.97 | 146 | 187902 | 52.43 | ug/L | 98 |
| 97) | 1,2-dichlorobenzene | 15.33 | 146 | 178062 | 47.64 | ug/L | 98 |
| 98) | n-butylbenzene | 15.40 | 91 | 317169 | 53.85 | ug/L | 98 |
| 99) | 1,2-dibromo-3-chloropropan | 15.81 | 75 | 21469 | 59.37 | ug/L | 77 |
| 100) | 1,2,4-trichlorobenzene | 17.17 | 180 | 149857 | 48.48 | ug/L | 99 |
| 101) | hexachlorobutadiene | 17.45 | 225 | 79257 | 51.36 | ug/L | 96 |
| 102) | naphthalene | 17.42 | 128 | 382057 | 53.09 | ug/L | 100 |
| 103) | 1,2,3-trichlorobenzene | 17.62 | 180 | 147823 | 51.53 | ug/L | 100 |

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18892.D Vial: 28
Acq On : 26 Apr 2007 4:20 pm Operator: alit
Sample : M64073-9MS Inst : MAMSN
Misc : ms13439,msn683,,,,5,5 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 27 8:59 2007 Quant Results File: N042007W.RES

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Apr 25 10:27:30 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18893.D Vial: 29
Acq On : 26 Apr 2007 4:49 pm Operator: alit
Sample : M64073-9MSD Inst : MAMSN
Misc : ms13439,msn683,,,,5,5 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 27 08:59:33 2007 Quant Results File: N042007W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Apr 25 10:27:30 2007
Response via : Initial Calibration
DataAcq Meth : N8260

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 5.86 | 65 | 68261 | 500.00 ug/L | 0.00 |
| 3) pentafluorobenzene | 8.27 | 168 | 117797 | 50.00 ug/L | 0.00 |
| 43) 1,4-difluorobenzene | 9.14 | 114 | 169755 | 50.00 ug/L | 0.00 |
| 66) chlorobenzene-d5 | 12.38 | 82 | 94138 | 50.00 ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 14.94 | 152 | 123643 | 50.00 ug/L | 0.00 |

| System Monitoring Compounds | | | | | |
|---|---|---|---|---|---|
| 40) dibromofluoromethane (s) | 7.90 | 113 | 65286 | 58.36 ug/L | 0.00 |
| Spiked Amount 50.000 | Range 84 - 129 | | Recovery = 116.72% | | |
| 60) toluene-d8 (s) | 10.93 | 98 | 218439 | 51.24 ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 102.48% | | |
| 82) bromofluorobenzene (s) | 13.61 | 95 | 97132 | 49.69 ug/L | 0.00 |
| Spiked Amount 50.000 | Range 82 - 118 | | Recovery = 99.38% | | |

| Target Compounds | | | | | Qvalue |
|---|---|---|---|---|---|
| 2) tertiary butyl alcohol | 5.94 | 59 | 83723 | 478.45 ug/L | 96 |
| 4) Ethanol | 4.78 | 45 | 85719 | 7239.74 ug/L | 99 |
| 5) dichlorodifluoromethane | 3.71 | 85 | 69289 | 94.66 ug/L | 100 |
| 6) chloromethane | 3.94 | 50 | 66202 | 74.10 ug/L | 96 |
| 7) vinyl chloride | 4.16 | 62 | 55095 | 75.08 ug/L | 93 |
| 8) bromomethane | 4.62 | 96 | 33995 | 68.30 ug/L | 97 |
| 9) chloroethane | 4.77 | 64 | 26556 | 75.97 ug/L | 95 |
| 10) ethyl ether | 5.61 | 59 | 42982 | 57.07 ug/L | 90 |
| 12) trichlorofluoromethane | 5.38 | 101 | 86047 | 67.66 ug/L | 95 |
| 13) freon-113 | 6.13 | 101 | 51502 | 71.27 ug/L | 96 |
| 14) acrolein | 5.36 | 56 | 80286 | 394.36 ug/L | 100 |
| 15) 1,1-dichloroethene | 5.94 | 96 | 48468 | 58.73 ug/L | 97 |
| 16) acetone | 5.49 | 43 | 27538 | 67.93 ug/L | 99 |
| 17) Methyl Acetate | 6.12 | 43 | 87286 | 57.86 ug/L | 98 |
| 18) methylene chloride | 6.09 | 84 | 65623 | 59.74 ug/L | 96 |
| 19) methyl tert butyl ether | 6.86 | 73 | 156723 | 63.07 ug/L | 99 |
| 20) acrylonitrile | 5.99 | 53 | 148698 | 344.38 ug/L | 99 |
| 21) allyl chloride | 6.18 | 41 | 67610 | 66.65 ug/L | 99 |
| 22) trans-1,2-dichloroethene | 6.77 | 96 | 53311 | 55.45 ug/L | 92 |
| 23) iodomethane | 5.99 | 142 | 63844 | 53.99 ug/L | 99 |
| 24) carbon disulfide | 6.34 | 76 | 199704 | 73.15 ug/L | 99 |
| 25) propionitrile | 7.01 | 54 | 12076 | 68.78 ug/L | 100 |
| 26) vinyl acetate | 7.12 | 43 | 72204 | 34.68 ug/L | 98 |
| 27) chloroprene | 7.37 | 53 | 69220 | 64.42 ug/L | 90 |
| 28) di-isopropyl ether | 7.42 | 45 | 187668 | 60.10 ug/L | 87 |
| 29) methacrylonitrile | 7.53 | 41 | 48163 | 70.15 ug/L | 88 |
| 30) 2-butanone | 7.42 | 72 | 8394 | 63.98 ug/L # | 94 |
| 31) Hexane | 7.41 | 41 | 77331 | 73.80 ug/L # | 88 |
| 32) 1,1-dichloroethane | 7.01 | 63 | 98038 | 61.53 ug/L | 99 |
| 33) tert-butyl ethyl ether | 7.82 | 59 | 168252 | 60.76 ug/L | 98 |
| 34) isobutyl alcohol | 7.42 | 43 | 161435 | 332.04 ug/L | 97 |
| 35) 2,2-dichloropropane | 7.86 | 77 | 73522 | 66.10 ug/L | 97 |
| 36) cis-1,2-dichloroethene | 7.58 | 96 | 60964 | 52.75 ug/L | 93 |
| 37) ethyl acetate | 7.73 | 43 | 63672 | 104.45 ug/L | 82 |
| 38) bromochloromethane | 7.74 | 128 | 31872 | 58.72 ug/L | 97 |

(#) = qualifier out of range (m) = manual integration
N18893.D N042007W.M Fri Apr 27 09:35:13 2007 RP1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18893.D Vial: 29
Acq On : 26 Apr 2007 4:49 pm Operator: alit
Sample : M64073-9MSD Inst : MAMSN
Misc : ms13439,msn683,,,,5,5 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 27 08:59:33 2007 Quant Results File: N042007W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Apr 25 10:27:30 2007
Response via : Initial Calibration
DataAcq Meth : N8260

| Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|
| 39) chloroform | 7.78 | 83 | 107105 | 62.80 ug/L | 99 |
| 41) Tetrahydrofuran | 8.11 | 42 | 22593 | 69.16 ug/L | 95 |
| 42) 1,1,1-trichloroethane | 8.52 | 97 | 89398 | 68.64 ug/L | 97 |
| 44) Cyclohexane | 8.81 | 56 | 85588 | 61.59 ug/L | 98 |
| 45) carbon tetrachloride | 8.89 | 117 | 80295 | 62.42 ug/L | 96 |
| 46) 1,1-dichloropropene | 8.70 | 75 | 71028 | 56.65 ug/L | 96 |
| 47) benzene | 8.92 | 78 | 218425 | 54.49 ug/L | 98 |
| 48) 1,2-dichloroethane | 8.42 | 62 | 82226 | 62.60 ug/L | 94 |
| 49) tert-amyl methyl ether | 9.06 | 73 | 145221 | 50.89 ug/L | 97 |
| 50) heptane | 9.42 | 43 | 51917 | 57.44 ug/L | 94 |
| 51) trichloroethene | 9.55 | 95 | 60459 | 54.82 ug/L | 95 |
| 52) 1,2-dichloropropane | 9.51 | 63 | 57040 | 55.82 ug/L | 100 |
| 53) dibromomethane | 9.48 | 93 | 41436 | 57.08 ug/L | 90 |
| 54) bromodichloromethane | 9.60 | 83 | 81784 | 56.72 ug/L | 99 |
| 55) Methylcyclohexane | 10.06 | 83 | 85097 | 54.63 ug/L | 94 |
| 56) 2-chloroethyl vinyl ether | 9.51 | 63 | 57040 | 55.81 ug/L # | 99 |
| 57) methyl methacrylate | 9.71 | 69 | 44287 | 57.55 ug/L | 89 |
| 58) 1,4-dioxane | 9.69 | 88 | 5734 | 284.05 ug/L | 85 |
| 59) cis-1,3-dichloropropene | 10.22 | 75 | 88274 | 56.61 ug/L | 93 |
| 61) 4-methyl-2-pentanone | 10.32 | 43 | 74012 | 65.70 ug/L | 95 |
| 62) toluene | 11.00 | 92 | 138545 | 52.00 ug/L | 99 |
| 63) trans-1,3-dichloropropene | 10.65 | 75 | 80352 | 58.06 ug/L | 99 |
| 64) 1,1,2-trichloroethane | 10.81 | 83 | 50232 | 54.49 ug/L | 98 |
| 65) ethyl methacrylate | 11.04 | 69 | 84430 | 58.90 ug/L | 93 |
| 67) tetrachloroethene | 11.74 | 166 | 72648 | 46.68 ug/L | 97 |
| 68) 1,3-dichloropropane | 11.05 | 76 | 98332 | 53.51 ug/L | 98 |
| 69) dibromochloromethane | 11.33 | 129 | 75661 | 52.44 ug/L | 100 |
| 70) 1,2-dibromoethane | 11.58 | 107 | 67245 | 50.54 ug/L | 95 |
| 71) 2-hexanone | 11.18 | 43 | 55745 | 61.66 ug/L | 99 |
| 72) chlorobenzene | 12.41 | 112 | 168857 | 46.28 ug/L | 96 |
| 73) 1,1,1,2-tetrachloroethane | 12.33 | 131 | 62657 | 51.47 ug/L | 96 |
| 74) ethylbenzene | 12.60 | 91 | 283094 | 51.19 ug/L | 99 |
| 75) m,p-xylene | 12.79 | 106 | 224645 | 100.27 ug/L | 98 |
| 76) o-xylene | 13.19 | 106 | 113382 | 50.54 ug/L | 99 |
| 77) styrene | 13.12 | 104 | 179147 | 50.46 ug/L | 97 |
| 78) bromoform | 12.93 | 173 | 66860 | 48.70 ug/L | 96 |
| 79) trans-1,4-dichloro-2-buten | 13.35 | 53 | 29426 | 63.10 ug/L # | 71 |
| 81) isopropylbenzene | 13.56 | 105 | 259813 | 52.26 ug/L | 98 |
| 83) bromobenzene | 13.83 | 156 | 92850 | 45.51 ug/L | 92 |
| 84) 1,1,2,2-tetrachloroethane | 13.19 | 83 | 101314 | 55.83 ug/L | 97 |
| 85) 1,2,3-trichloropropane | 13.34 | 75 | 117800 | 56.86 ug/L | 97 |
| 86) n-propylbenzene | 14.00 | 91 | 374519 | 52.29 ug/L | 95 |
| 87) 2-chlorotoluene | 14.11 | 91 | 221819 | 50.10 ug/L | 96 |
| 88) 4-chlorotoluene | 14.19 | 91 | 235801 | 50.36 ug/L | 95 |
| 89) 1,3,5-trimethylbenzene | 14.29 | 105 | 262385 | 52.22 ug/L | 100 |
| 90) tert-butylbenzene | 14.58 | 91 | 151819 | 55.01 ug/L | 96 |
| 91) 1,2,4-trimethylbenzene | 14.69 | 105 | 275517 | 51.34 ug/L | 99 |
| 92) sec-butylbenzene | 14.81 | 105 | 368430 | 53.07 ug/L | 98 |
| 93) 1,3-dichlorobenzene | 14.90 | 146 | 182752 | 48.78 ug/L | 98 |

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

N18893.D N042007W.M Fri Apr 27 09:35:13 2007 RP1 Page 2

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18893.D Vial: 29
Acq On : 26 Apr 2007 4:49 pm Operator: alit
Sample : M64073-9MSD Inst : MAMSN
Misc : ms13439,msn683,,,,5,5 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 27 08:59:33 2007 Quant Results File: N042007W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Apr 25 10:27:30 2007
Response via : Initial Calibration
DataAcq Meth : N8260

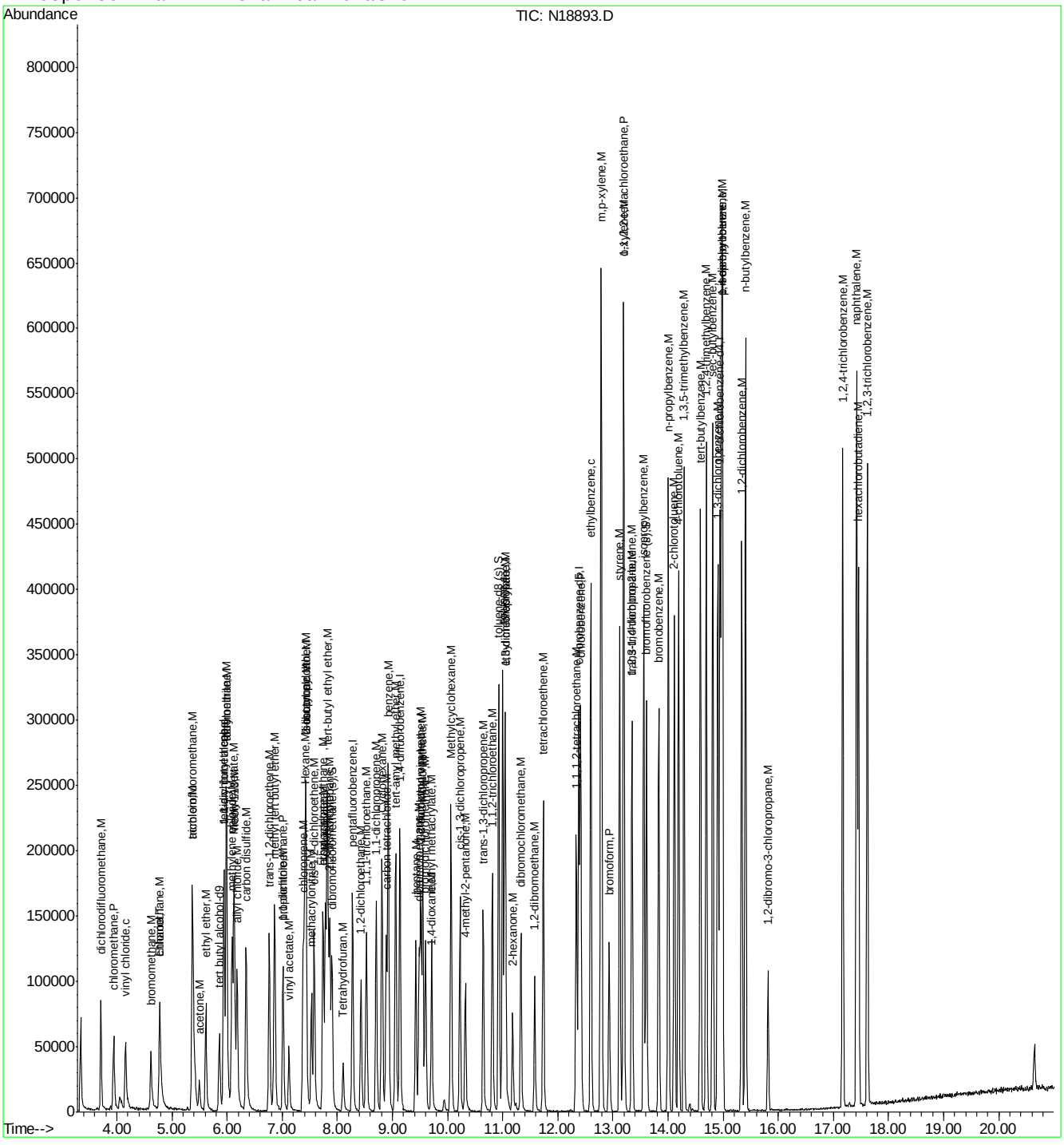
| | Compound | R.T. | QIon | Response | Conc | Unit | | Qvalue |
|---|---|---|---|---|---|---|---|---|
| 94) | p-isopropyltoluene | 14.99 | 119 | 314304 | 50.81 | ug/L | | 97 |
| 96) | 1,4-dichlorobenzene | 14.97 | 146 | 194458 | 51.74 | ug/L | | 99 |
| 97) | 1,2-dichlorobenzene | 15.33 | 146 | 187503 | 47.90 | ug/L | | 98 |
| 98) | n-butylbenzene | 15.40 | 91 | 326676 | 52.95 | ug/L | | 97 |
| 99) | 1,2-dibromo-3-chloropropan | 15.81 | 75 | 23451 | 61.92 | ug/L | # | 78 |
| 100) | 1,2,4-trichlorobenzene | 17.17 | 180 | 159226 | 49.18 | ug/L | | 99 |
| 101) | hexachlorobutadiene | 17.45 | 225 | 83266 | 51.51 | ug/L | | 99 |
| 102) | naphthalene | 17.42 | 128 | 420406 | 55.77 | ug/L | | 100 |
| 103) | 1,2,3-trichlorobenzene | 17.61 | 180 | 159804 | 53.31 | ug/L | | 94 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed
N18893.D N042007W.M Fri Apr 27 09:35:13 2007 RP1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18893.D Vial: 29
Acq On : 26 Apr 2007 4:49 pm Operator: alit
Sample : M64073-9MSD Inst : MAMSN
Misc : ms13439,msn683,,,,5,5 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 27 8:59 2007 Quant Results File: N042007W.RES

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Apr 25 10:27:30 2007
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani
05/01/07 10:49

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p17217.D
Acq On : 26 Apr 2007 7:48 pm
Operator : amym
Sample : m64162-13ms
Misc : ms13438,msp589,,,,5,5
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Apr 27 12:45:38 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Apr 27 11:51:32 2007
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 6.630 | 65 | 70925 | 500.00 | ug/L | 0.04 |
| 3) pentafluorobenzene | 9.003 | 168 | 117840 | 50.00 | ug/L | 0.00 |
| 42) 1,4-difluorobenzene | 9.874 | 114 | 201633 | 50.00 | ug/L | 0.00 |
| 65) chlorobenzene-d5 | 13.128 | 82 | 139328 | 50.00 | ug/L | 0.00 |
| 79) 1,4-dichlorobenzene-d4 | 15.689 | 152 | 110222 | 50.00 | ug/L | 0.00 |

System Monitoring Compounds

| | | | | | | |
|---|---|---|---|---|---|---|
| 39) dibromofluoromethane (s) | 8.646 | 113 | 74419 | 55.15 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 85 - 129 | | Recovery = 110.30% | | | |
| 59) toluene-d8 (s) | 11.671 | 98 | 256544 | 50.37 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 100.74% | | | |
| 81) bromofluorobenzene (s) | 14.354 | 95 | 132847 | 49.55 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 119 | | Recovery = 99.10% | | | |

Target Compounds

| | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 2) tertiary butyl alcohol | 6.694 | 59 | 97220 | 414.77 | ug/L | 90 |
| 4) Ethanol | 5.476 | 45 | 132642 | 4406.24 | ug/L # | 100 |
| 5) dichlorodifluoromethane | 4.240 | 85 | 58003 | 30.83 | ug/L | 91 |
| 6) chloromethane | 4.492 | 50 | 129215 | 56.07 | ug/L | 99 |
| 7) vinyl chloride | 4.743 | 62 | 83920 | 45.85 | ug/L | 91 |
| 8) bromomethane | 5.246 | 96 | 40439 | 35.94 | ug/L | 88 |
| 9) chloroethane | 5.413 | 64 | 52438 | 48.23 | ug/L | 90 |
| 10) ethyl ether | 6.309 | 59 | 83685 | 55.55 | ug/L | 65 |
| 11) acetonitrile | 5.961 | 41 | 87830 | 126.47 | ug/L | 96 |
| 12) trichlorofluoromethane | 6.065 | 101 | 132865 | 60.39 | ug/L | 98 |
| 13) freon-113 | 6.840 | 101 | 51895 | 47.87 | ug/L | 77 |
| 14) acrolein | 6.080 | 56 | 108832 | 221.47 | ug/L | 98 |
| 15) 1,1-dichloroethene | 6.653 | 96 | 63629 | 52.71 | ug/L # | 31 |
| 16) acetone | 6.210 | 43 | 38808 | 53.60 | ug/L | 76 |
| 17) Methyl Acetate | 6.848 | 43 | 158795 | 63.57 | ug/L # | 79 |
| 18) methylene chloride | 6.802 | 84 | 85225 | 59.10 | ug/L # | 24 |
| 19) methyl tert butyl ether | 7.588 | 73 | 178326 | 49.08 | ug/L | 78 |
| 20) acrylonitrile | 6.721 | 53 | 212706 | 244.14 | ug/L | 96 |
| 21) allyl chloride | 6.896 | 41 | 92986 | 49.37 | ug/L | 60 |
| 22) trans-1,2-dichloroethene | 7.496 | 96 | 57508 | 43.04 | ug/L # | 47 |
| 23) iodomethane | 6.716 | 142 | 14307 | 29.91 | ug/L # | 34 |
| 24) carbon disulfide | 7.082 | 76 | 151484 | 39.49 | ug/L | 98 |
| 25) propionitrile | 7.794 | 54 | 15876 | 48.84 | ug/L | 100 |
| 26) vinyl acetate | 7.859 | 43 | 24933 | 40.46 | ug/L | 77 |
| 27) chloroprene | 8.116 | 53 | 136961 | 55.32 | ug/L # | 58 |
| 28) di-isopropyl ether | 8.152 | 45 | 406944 | 60.89 | ug/L | 75 |
| 29) methacrylonitrile | 8.277 | 41 | 72703 | 49.98 | ug/L # | 69 |
| 30) 2-butanone | 8.172 | 72 | 8820m | 44.79 | ug/L | |
| 31) Hexane | 8.141 | 41 | 149825 | 54.81 | ug/L # | 70 |
| 32) 1,1-dichloroethane | 7.749 | 63 | 145850 | 48.79 | ug/L | 95 |
| 33) tert-butyl ethyl ether | 8.549 | 59 | 152002 | 35.51 | ug/L | 88 |
| 34) isobutyl alcohol | 8.546 | 43 | 22088 | 150.41 | ug/L # | 53 |
| 35) 2,2-dichloropropane | 8.608 | 77 | 21537 | 22.49 | ug/L | 91 |
| 36) cis-1,2-dichloroethene | 8.321 | 96 | 73920 | 48.18 | ug/L # | 58 |
| 37) bromochloromethane | 8.488 | 128 | 28816 | 47.51 | ug/L # | 1 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p17217.D
Acq On : 26 Apr 2007 7:48 pm
Operator : amym
Sample : m64162-13ms
Misc : ms13438,msp589,,,,5,5
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Apr 27 12:45:38 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Apr 27 11:51:32 2007
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 38) chloroform | 8.524 | 83 | 159617 | 54.02 ug/L | 88 |
| 40) Tetrahydrofuran | 8.871 | 42 | 28888 | 41.81 ug/L | 61 |
| 41) 1,1,1-trichloroethane | 9.275 | 97 | 115774 | 49.94 ug/L | 92 |
| 43) Cyclohexane | 9.559 | 56 | 127251 | 45.96 ug/L # | 61 |
| 44) carbon tetrachloride | 9.640 | 117 | 90259 | 44.96 ug/L | 96 |
| 45) 1,1-dichloropropene | 9.450 | 75 | 91288 | 47.43 ug/L | 88 |
| 46) benzene | 9.677 | 78 | 260929 | 45.20 ug/L | 99 |
| 47) 1,2-dichloroethane | 9.177 | 62 | 175177 | 54.53 ug/L | 87 |
| 48) tert-amyl methyl ether | 9.793 | 73 | 123694 | 38.57 ug/L | 73 |
| 49) heptane | 10.150 | 43 | 87953 | 44.71 ug/L # | 64 |
| 50) trichloroethene | 10.294 | 95 | 76592 | 46.88 ug/L # | 72 |
| 51) 1,2-dichloropropane | 10.261 | 63 | 75739 | 44.95 ug/L | 95 |
| 52) dibromomethane | 10.236 | 93 | 51189 | 50.62 ug/L # | 66 |
| 53) bromodichloromethane | 10.348 | 83 | 127297 | 56.60 ug/L | 94 |
| 54) Methylcyclohexane | 10.812 | 83 | 77599 | 43.61 ug/L # | 64 |
| 56) methyl methacrylate | 10.443 | 69 | 37641 | 36.09 ug/L # | 34 |
| 57) 1,4-dioxane | 10.481 | 88 | 4124m | 201.37 ug/L | |
| 58) cis-1,3-dichloropropene | 10.966 | 75 | 72480 | 35.06 ug/L | 86 |
| 60) 4-methyl-2-pentanone | 11.071 | 43 | 109839 | 43.17 ug/L # | 77 |
| 61) toluene | 11.743 | 92 | 174908 | 47.68 ug/L | 96 |
| 62) trans-1,3-dichloropropene | 11.385 | 75 | 59530 | 33.82 ug/L | 87 |
| 63) 1,1,2-trichloroethane | 11.556 | 83 | 56506 | 45.17 ug/L | 95 |
| 64) ethyl methacrylate | 11.761 | 69 | 64411 | 35.35 ug/L # | 36 |
| 66) tetrachloroethene | 12.483 | 166 | 68653 | 47.36 ug/L | 91 |
| 67) 1,3-dichloropropane | 11.791 | 76 | 119461 | 40.82 ug/L | 97 |
| 68) dibromochloromethane | 12.083 | 129 | 79678 | 49.30 ug/L | 100 |
| 69) 1,2-dibromoethane | 12.336 | 107 | 65128 | 39.50 ug/L | 97 |
| 70) 2-hexanone | 11.929 | 43 | 75171 | 37.16 ug/L | 75 |
| 71) chlorobenzene | 13.164 | 112 | 181856 | 42.26 ug/L | 85 |
| 72) 1,1,1,2-tetrachloroethane | 13.081 | 131 | 66787 | 46.10 ug/L | 93 |
| 73) ethylbenzene | 13.337 | 91 | 339391 | 46.10 ug/L | 91 |
| 74) m,p-xylene | 13.522 | 106 | 237220 | 94.69 ug/L # | 71 |
| 75) o-xylene | 13.935 | 106 | 117759 | 48.23 ug/L # | 77 |
| 76) styrene | 13.862 | 104 | 184354 | 42.65 ug/L | 70 |
| 77) bromoform | 13.688 | 173 | 49363 | 41.16 ug/L | 100 |
| 78) trans-1,4-dichloro-2-b... | 13.933 | 53 | 10019 | 42.80 ug/L # | 1 |
| 80) isopropylbenzene | 14.297 | 105 | 255843 | 44.82 ug/L | 93 |
| 82) bromobenzene | 14.586 | 156 | 77141 | 42.54 ug/L # | 65 |
| 83) 1,1,2,2-tetrachloroethane | 13.937 | 83 | 90817 | 36.59 ug/L | 98 |
| 84) 1,2,3-trichloropropane | 14.084 | 75 | 87504 | 36.26 ug/L | 99 |
| 85) n-propylbenzene | 14.742 | 91 | 370040 | 46.33 ug/L | 88 |
| 86) 2-chlorotoluene | 14.862 | 91 | 256341 | 45.56 ug/L | 83 |
| 87) 4-chlorotoluene | 14.937 | 91 | 267610 | 47.31 ug/L | 81 |
| 88) 1,3,5-trimethylbenzene | 15.019 | 105 | 260241 | 47.54 ug/L | 88 |
| 89) tert-butylbenzene | 15.326 | 91 | 162358 | 45.98 ug/L # | 69 |
| 90) 1,2,4-trimethylbenzene | 15.429 | 105 | 271201 | 46.10 ug/L | 91 |
| 91) sec-butylbenzene | 15.547 | 105 | 281197 | 44.74 ug/L | 90 |
| 92) 1,3-dichlorobenzene | 15.651 | 146 | 142344 | 42.73 ug/L | 91 |
| 93) p-isopropyltoluene | 15.718 | 119 | 233640 | 42.71 ug/L | 87 |
| 94) 1,4-dichlorobenzene | 15.718 | 146 | 147646 | 41.32 ug/L | 92 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p17217.D
Acq On : 26 Apr 2007 7:48 pm
Operator : amym
Sample : m64162-13ms
Misc : ms13438,msp589,,,,5,5
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Apr 27 12:45:38 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Apr 27 11:51:32 2007
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 95) 1,2-dichlorobenzene | 16.087 | 146 | 140155 | 43.47 ug/L | 93 |
| 96) n-butylbenzene | 16.136 | 91 | 236051 | 42.37 ug/L | 85 |
| 97) 1,2-dibromo-3-chloropr... | 16.563 | 75 | 22721 | 35.62 ug/L # | 52 |
| 98) 1,2,4-trichlorobenzene | 17.916 | 180 | 77515 | 37.47 ug/L | 89 |
| 99) hexachlorobutadiene | 18.204 | 225 | 28002 | 33.87 ug/L | 73 |
| 100) naphthalene | 18.185 | 128 | 223762 | 35.80 ug/L | 100 |
| 101) 1,2,3-trichlorobenzene | 18.390 | 180 | 70162 | 33.43 ug/L | 98 |

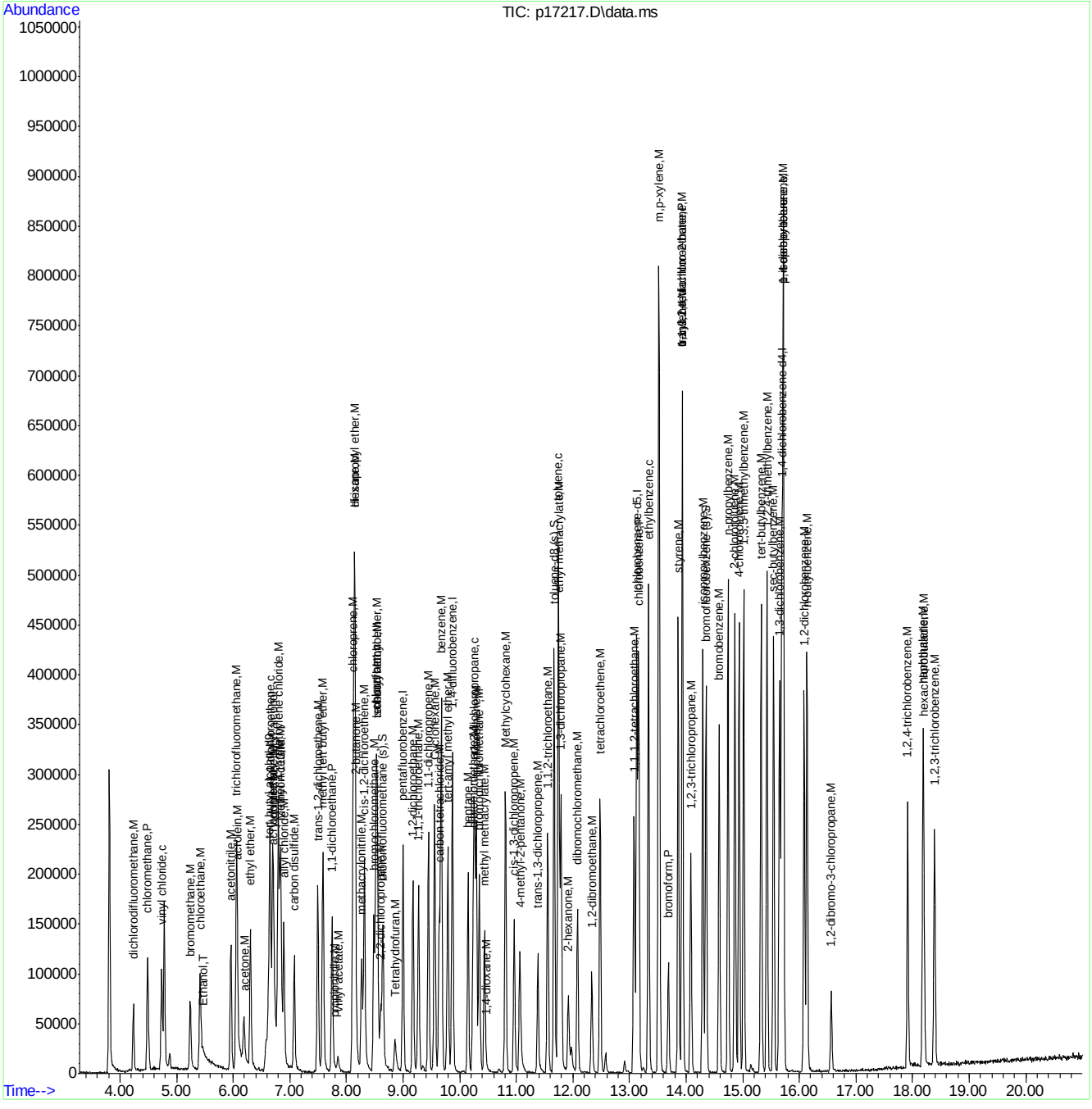
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p17217.D
Acq On : 26 Apr 2007 7:48 pm
Operator : amym
Sample : m64162-13ms
Misc : ms13438,msp589,,,,5,5
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Apr 27 12:45:38 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Apr 27 11:51:32 2007
Response via : Initial Calibration



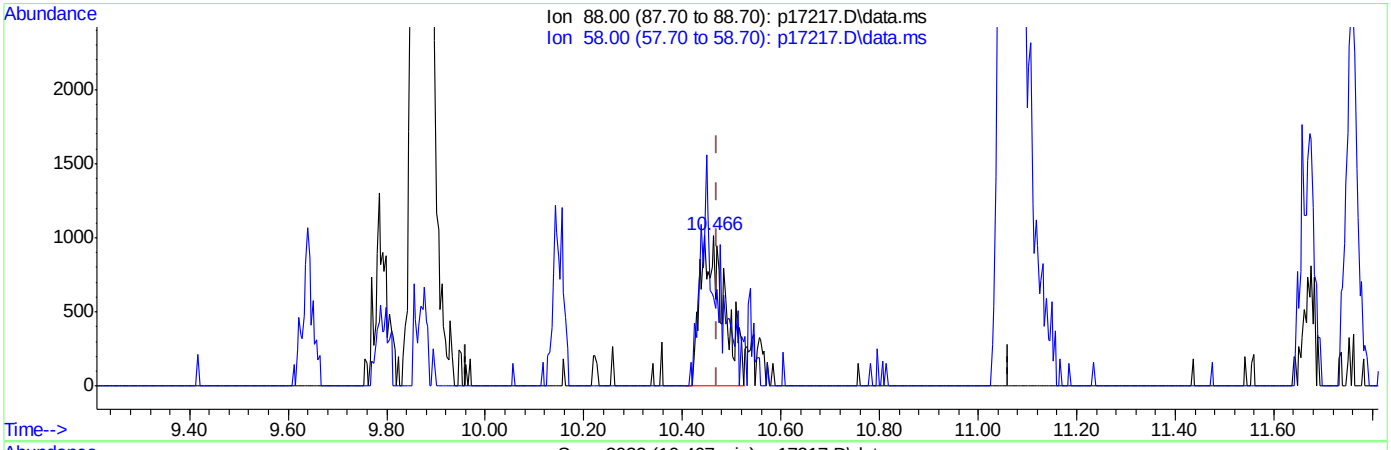


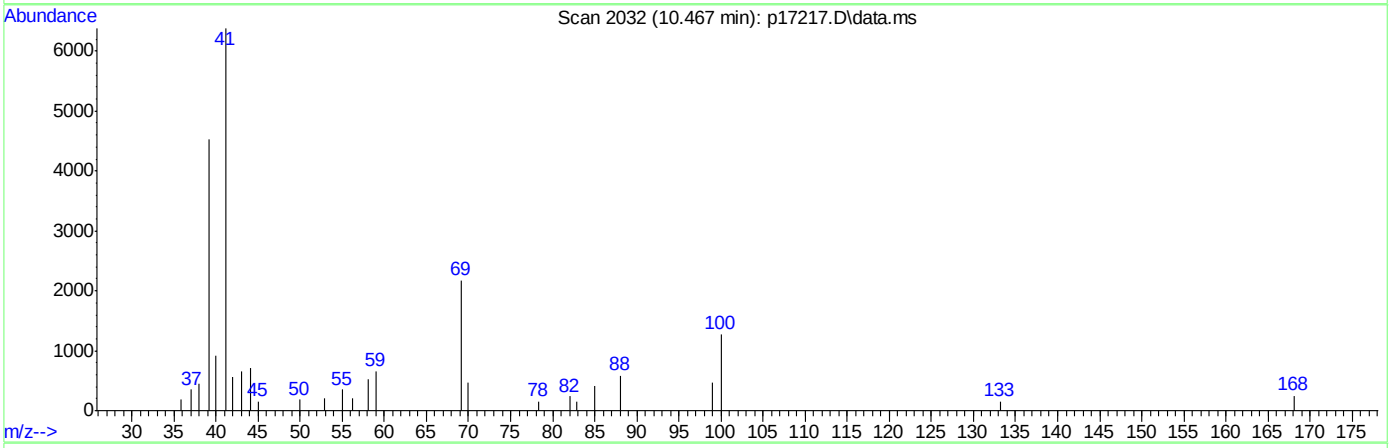
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : p17217.D
Acq On : 26 Apr 2007 7:48 pm
Operator : amym
Sample : m64162-13ms
Misc : ms13438,msp589,,,,5,5
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Apr 27 08:42:03 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 25 09:57:54 2007
Response via : Initial Calibration






TIC: p17217.D\data.ms

(57) 1,4-dioxane (M)

10.466min (-0.006) -1.00ug/L

response 3421

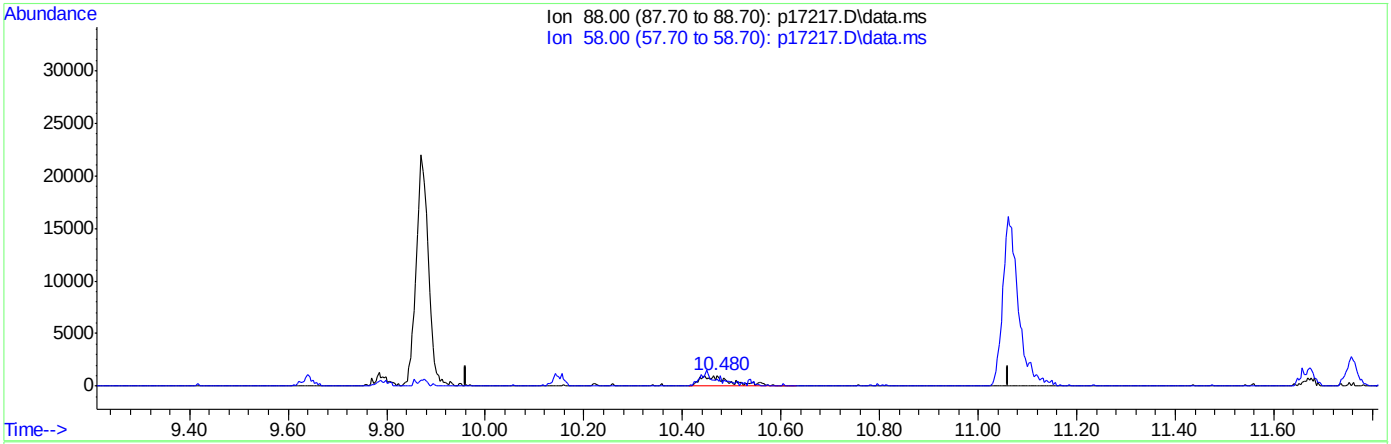
| Ion | Exp% | Act% |
|---|---|---|
| 88.00 | 100 | 100 |
| 58.00 | 60.20 | 89.88 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

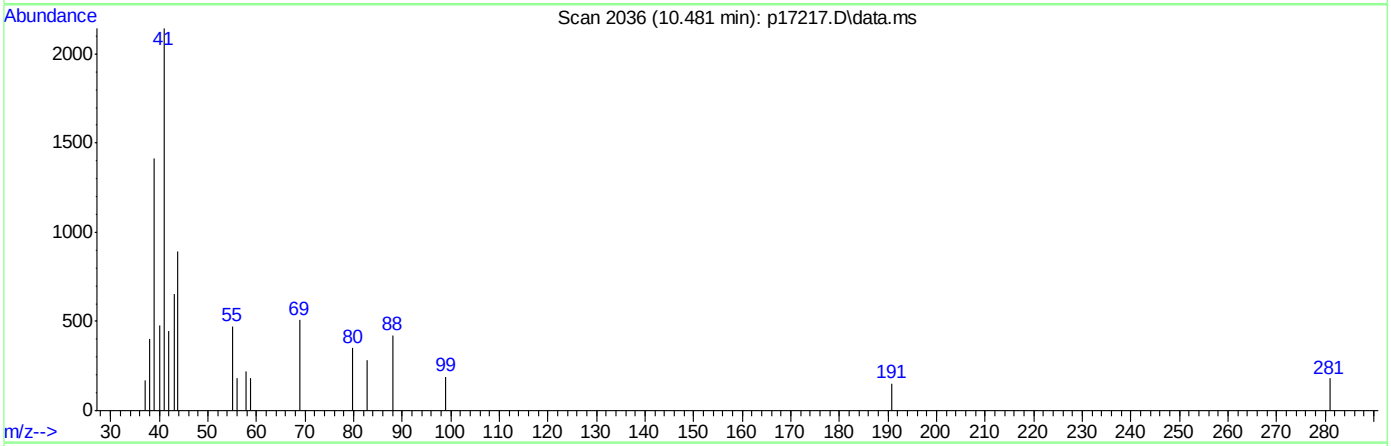
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : p17217.D
Acq On : 26 Apr 2007 7:48 pm
Operator : amym
Sample : m64162-13ms
Misc : ms13438,msp589,,,,5,5
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Apr 27 12:41:21 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Apr 27 11:51:32 2007
Response via : Initial Calibration






TIC: p17217.D\data.ms

(57) 1,4-dioxane (M)

10.481min (+0.009) 201.37ug/L m

response 4124

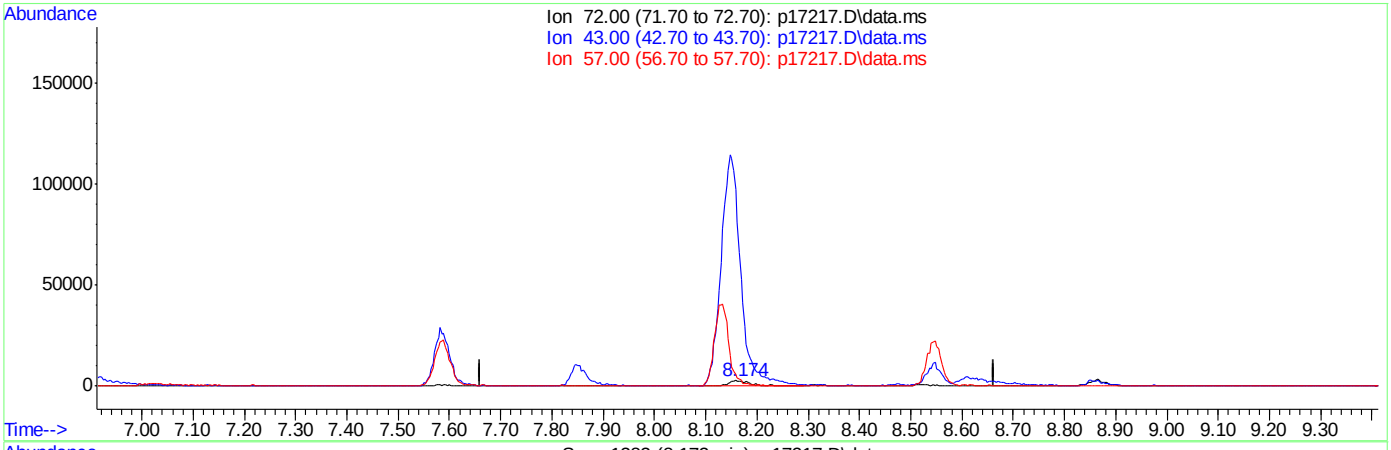
| Ion | Exp% | Act% |
|---|---|---|
| 88.00 | 100 | 100 |
| 58.00 | 60.20 | 52.13 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

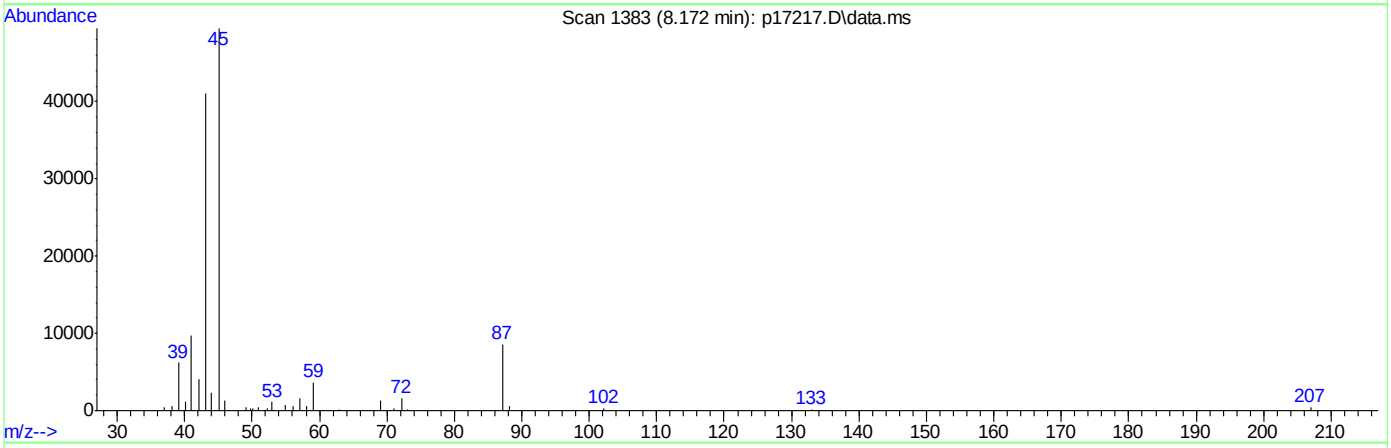
Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : p17217.D
Acq On    : 26 Apr 2007   7:48 pm
Operator  : amym
Sample    : m64162-13ms
Misc      : ms13438,msp589,,,,5,5
ALS Vial  : 21   Sample Multiplier: 1

Quant Time: Apr 27 12:41:32 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title  : SW-846 Method 8260
QLast Update : Fri Apr 27 11:51:32 2007
Response via : Initial Calibration
```






TIC: p17217.D\data.ms

(30) 2-butanone (M)

8.172min (+0.010) 44.79ug/L m

response 8820

| Ion | Exp% | Act% |
|---|---|---|
| 72.00 | 100 | 100 |
| 43.00 | 789.30 | 2514.50# |
| 57.00 | 59.90 | 96.94# |
| 0.00 | 0.00 | 0.00 |

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani
05/01/07 10:49

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p17218.D
Acq On : 26 Apr 2007 8:16 pm
Operator : amym
Sample : m64162-13msd
Misc : ms13438,msp589,,,,5,5
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Apr 27 12:27:28 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Apr 27 11:51:32 2007
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 6.626 | 65 | 67841 | 500.00 | ug/L | 0.03 |
| 3) pentafluorobenzene | 9.003 | 168 | 126819 | 50.00 | ug/L | 0.00 |
| 42) 1,4-difluorobenzene | 9.874 | 114 | 221074 | 50.00 | ug/L | 0.00 |
| 65) chlorobenzene-d5 | 13.128 | 82 | 149922 | 50.00 | ug/L | 0.00 |
| 79) 1,4-dichlorobenzene-d4 | 15.690 | 152 | 115505 | 50.00 | ug/L | 0.00 |

System Monitoring Compounds

| | | | | | | |
|---|---|---|---|---|---|---|
| 39) dibromofluoromethane (s) | 8.646 | 113 | 78503 | 54.06 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 85 - 129 | | Recovery = 108.12% | | | |
| 59) toluene-d8 (s) | 11.671 | 98 | 282280 | 50.55 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 101.10% | | | |
| 81) bromofluorobenzene (s) | 14.354 | 95 | 140370 | 49.96 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 119 | | Recovery = 99.92% | | | |

Target Compounds

| | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 2) tertiary butyl alcohol | 6.694 | 59 | 114902 | 512.49 | ug/L # | 52 |
| 4) Ethanol | 5.482 | 45 | 160099 | 4818.35 | ug/L # | 100 |
| 5) dichlorodifluoromethane | 4.239 | 85 | 69740 | 34.43 | ug/L | 100 |
| 6) chloromethane | 4.494 | 50 | 158413 | 63.97 | ug/L | 95 |
| 7) vinyl chloride | 4.742 | 62 | 102262 | 51.92 | ug/L | 96 |
| 8) bromomethane | 5.248 | 96 | 51165 | 42.83 | ug/L | 95 |
| 9) chloroethane | 5.413 | 64 | 65276 | 55.79 | ug/L | 94 |
| 10) ethyl ether | 6.308 | 59 | 100004 | 61.69 | ug/L | 68 |
| 11) acetonitrile | 5.961 | 41 | 99826 | 133.95 | ug/L | 95 |
| 12) trichlorofluoromethane | 6.066 | 101 | 157905 | 66.68 | ug/L | 99 |
| 13) freon-113 | 6.840 | 101 | 62624 | 53.68 | ug/L | 80 |
| 14) acrolein | 6.072 | 56 | 124220 | 234.88 | ug/L | 98 |
| 15) 1,1-dichloroethene | 6.654 | 96 | 73831 | 56.95 | ug/L # | 37 |
| 16) acetone | 6.198 | 43 | 49802 | 62.69 | ug/L | 76 |
| 17) Methyl Acetate | 6.843 | 43 | 182218 | 67.78 | ug/L # | 81 |
| 18) methylene chloride | 6.803 | 84 | 101505 | 65.52 | ug/L # | 22 |
| 19) methyl tert butyl ether | 7.589 | 73 | 219862 | 56.23 | ug/L | 83 |
| 20) acrylonitrile | 6.719 | 53 | 240638 | 256.65 | ug/L | 99 |
| 21) allyl chloride | 6.897 | 41 | 118842 | 58.63 | ug/L | 66 |
| 22) trans-1,2-dichloroethene | 7.497 | 96 | 73956 | 51.44 | ug/L # | 56 |
| 23) iodomethane | 6.716 | 142 | 21495 | 41.76 | ug/L | 69 |
| 24) carbon disulfide | 7.083 | 76 | 188852 | 45.74 | ug/L | 99 |
| 25) propionitrile | 7.786 | 54 | 18662 | 53.35 | ug/L | 100 |
| 26) vinyl acetate | 7.856 | 43 | 35122 | 46.70 | ug/L | 86 |
| 27) chloroprene | 8.116 | 53 | 167199 | 62.76 | ug/L | 62 |
| 28) di-isopropyl ether | 8.151 | 45 | 479834 | 66.71 | ug/L | 76 |
| 29) methacrylonitrile | 8.280 | 41 | 92111 | 58.84 | ug/L # | 69 |
| 30) 2-butanone | 8.170 | 72 | 11260 | 53.13 | ug/L # | 1 |
| 31) Hexane | 8.141 | 41 | 173345 | 58.93 | ug/L # | 65 |
| 32) 1,1-dichloroethane | 7.750 | 63 | 176177 | 54.76 | ug/L | 96 |
| 33) tert-butyl ethyl ether | 8.549 | 59 | 194862 | 40.71 | ug/L | 86 |
| 34) isobutyl alcohol | 8.544 | 43 | 26175m | 168.35 | ug/L | |
| 35) 2,2-dichloropropane | 8.608 | 77 | 31065 | 28.38 | ug/L | 91 |
| 36) cis-1,2-dichloroethene | 8.322 | 96 | 89945 | 54.47 | ug/L # | 49 |
| 37) bromochloromethane | 8.488 | 128 | 34873 | 53.43 | ug/L # | 10 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p17218.D
Acq On : 26 Apr 2007 8:16 pm
Operator : amym
Sample : m64162-13msd
Misc : ms13438,msp589,,,,5,5
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Apr 27 12:27:28 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Apr 27 11:51:32 2007
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 38) chloroform | 8.524 | 83 | 186982 | 58.80 ug/L | 90 |
| 40) Tetrahydrofuran | 8.867 | 42 | 31844 | 42.82 ug/L | 63 |
| 41) 1,1,1-trichloroethane | 9.276 | 97 | 146387 | 59.56 ug/L | 90 |
| 43) Cyclohexane | 9.559 | 56 | 153891 | 50.66 ug/L # | 61 |
| 44) carbon tetrachloride | 9.640 | 117 | 113494 | 51.53 ug/L | 94 |
| 45) 1,1-dichloropropene | 9.451 | 75 | 110758 | 52.49 ug/L | 90 |
| 46) benzene | 9.677 | 78 | 313506 | 49.53 ug/L | 95 |
| 47) 1,2-dichloroethane | 9.177 | 62 | 200334 | 56.87 ug/L | 87 |
| 48) tert-amyl methyl ether | 9.793 | 73 | 157384 | 43.76 ug/L | 80 |
| 49) heptane | 10.150 | 43 | 106393 | 49.33 ug/L # | 65 |
| 50) trichloroethene | 10.295 | 95 | 94296 | 52.64 ug/L # | 66 |
| 51) 1,2-dichloropropane | 10.262 | 63 | 95010 | 51.43 ug/L | 95 |
| 52) dibromomethane | 10.237 | 93 | 58653 | 52.90 ug/L # | 69 |
| 53) bromodichloromethane | 10.347 | 83 | 149905 | 60.79 ug/L | 92 |
| 54) Methylcyclohexane | 10.812 | 83 | 94539 | 48.53 ug/L # | 65 |
| 56) methyl methacrylate | 10.442 | 69 | 46188 | 40.03 ug/L # | 30 |
| 57) 1,4-dioxane | 10.481 | 88 | 4875m | 215.13 ug/L | |
| 58) cis-1,3-dichloropropene | 10.965 | 75 | 95154 | 41.56 ug/L | 82 |
| 60) 4-methyl-2-pentanone | 11.072 | 43 | 132047 | 47.33 ug/L | 80 |
| 61) toluene | 11.743 | 92 | 212180 | 52.75 ug/L | 99 |
| 62) trans-1,3-dichloropropene | 11.385 | 75 | 78865 | 39.39 ug/L | 87 |
| 63) 1,1,2-trichloroethane | 11.557 | 83 | 66421 | 48.42 ug/L | 95 |
| 64) ethyl methacrylate | 11.761 | 69 | 83144 | 41.26 ug/L # | 38 |
| 66) tetrachloroethene | 12.483 | 166 | 80785 | 51.79 ug/L | 87 |
| 67) 1,3-dichloropropane | 11.791 | 76 | 143213 | 45.48 ug/L | 99 |
| 68) dibromochloromethane | 12.083 | 129 | 94311 | 54.23 ug/L | 99 |
| 69) 1,2-dibromoethane | 12.336 | 107 | 79774 | 44.97 ug/L | 96 |
| 70) 2-hexanone | 11.927 | 43 | 88677 | 40.20 ug/L | 80 |
| 71) chlorobenzene | 13.164 | 112 | 221912 | 47.93 ug/L | 80 |
| 72) 1,1,1,2-tetrachloroethane | 13.081 | 131 | 83191 | 53.37 ug/L | 98 |
| 73) ethylbenzene | 13.337 | 91 | 413934 | 52.25 ug/L | 92 |
| 74) m,p-xylene | 13.522 | 106 | 285391 | 105.87 ug/L # | 67 |
| 75) o-xylene | 13.935 | 106 | 142342 | 54.18 ug/L # | 60 |
| 76) styrene | 13.862 | 104 | 223891 | 47.92 ug/L | 79 |
| 77) bromoform | 13.689 | 173 | 59767 | 45.81 ug/L | 93 |
| 78) trans-1,4-dichloro-2-b... | 13.934 | 53 | 11569 | 44.23 ug/L # | 1 |
| 80) isopropylbenzene | 14.297 | 105 | 310576 | 51.92 ug/L | 93 |
| 82) bromobenzene | 14.586 | 156 | 90129 | 47.43 ug/L # | 64 |
| 83) 1,1,2,2-tetrachloroethane | 13.937 | 83 | 107687 | 41.40 ug/L | 98 |
| 84) 1,2,3-trichloropropane | 14.085 | 75 | 104296 | 41.24 ug/L | 96 |
| 85) n-propylbenzene | 14.742 | 91 | 439968 | 52.57 ug/L | 87 |
| 86) 2-chlorotoluene | 14.862 | 91 | 304615 | 51.66 ug/L | 88 |
| 87) 4-chlorotoluene | 14.938 | 91 | 320127 | 54.01 ug/L | 80 |
| 88) 1,3,5-trimethylbenzene | 15.019 | 105 | 309850 | 54.01 ug/L | 85 |
| 89) tert-butylbenzene | 15.326 | 91 | 197229 | 53.30 ug/L # | 69 |
| 90) 1,2,4-trimethylbenzene | 15.429 | 105 | 326866 | 53.02 ug/L | 90 |
| 91) sec-butylbenzene | 15.547 | 105 | 337537 | 51.24 ug/L | 93 |
| 92) 1,3-dichlorobenzene | 15.652 | 146 | 167840 | 48.08 ug/L | 95 |
| 93) p-isopropyltoluene | 15.718 | 119 | 272662 | 47.56 ug/L | 87 |
| 94) 1,4-dichlorobenzene | 15.719 | 146 | 175684 | 46.92 ug/L | 94 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p17218.D
Acq On : 26 Apr 2007 8:16 pm
Operator : amym
Sample : m64162-13msd
Misc : ms13438,msp589,,,,5,5
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Apr 27 12:27:28 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Apr 27 11:51:32 2007
Response via : Initial Calibration

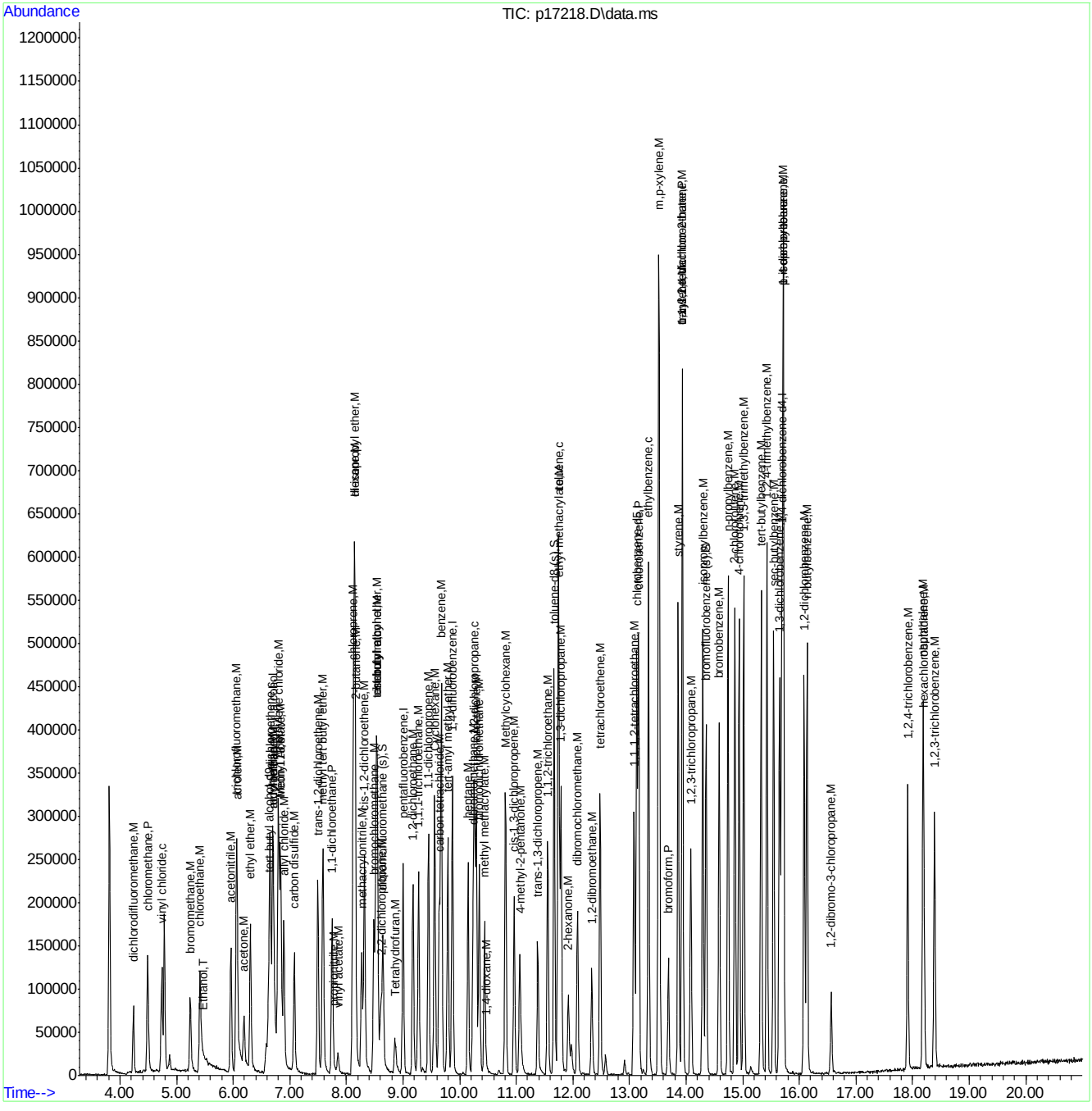
| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 95) 1,2-dichlorobenzene | 16.087 | 146 | 166579 | 49.30 ug/L | 93 |
| 96) n-butylbenzene | 16.136 | 91 | 283141 | 48.50 ug/L | 84 |
| 97) 1,2-dibromo-3-chloropr... | 16.564 | 75 | 26486 | 39.62 ug/L # | 53 |
| 98) 1,2,4-trichlorobenzene | 17.916 | 180 | 93667 | 43.20 ug/L | 99 |
| 99) hexachlorobutadiene | 18.203 | 225 | 32689 | 37.73 ug/L | 74 |
| 100) naphthalene | 18.185 | 128 | 275683 | 42.09 ug/L | 100 |
| 101) 1,2,3-trichlorobenzene | 18.390 | 180 | 89855 | 40.86 ug/L | 94 |

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p17218.D
Acq On : 26 Apr 2007 8:16 pm
Operator : amym
Sample : m64162-13msd
Misc : ms13438,msp589,,,,5,5
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Apr 27 12:27:28 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Apr 27 11:51:32 2007
Response via : Initial Calibration

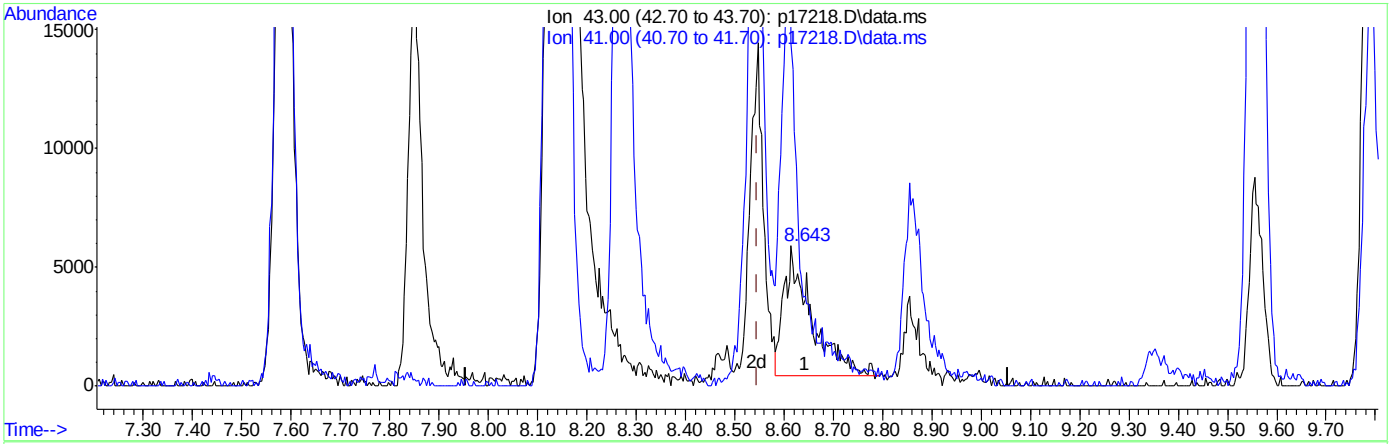


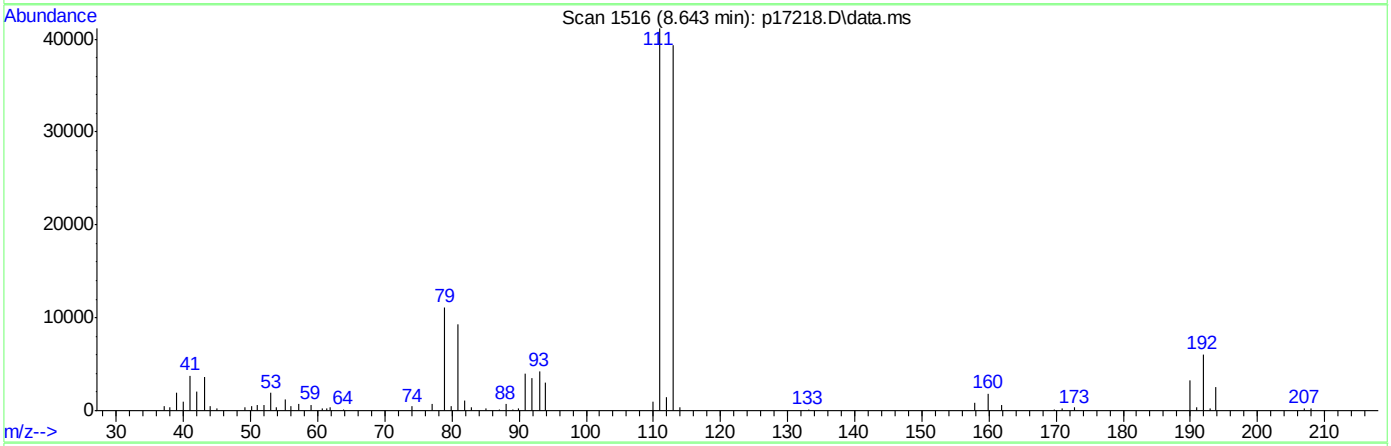
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : p17218.D
Acq On : 26 Apr 2007 8:16 pm
Operator : amym
Sample : m64162-13msd
Misc : ms13438,msp589,,,,5,5
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Apr 27 12:26:47 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Apr 27 11:51:32 2007
Response via : Initial Calibration






(34) isobutyl alcohol (M)

8.643min (+0.097) 130.09ug/L

response 21049

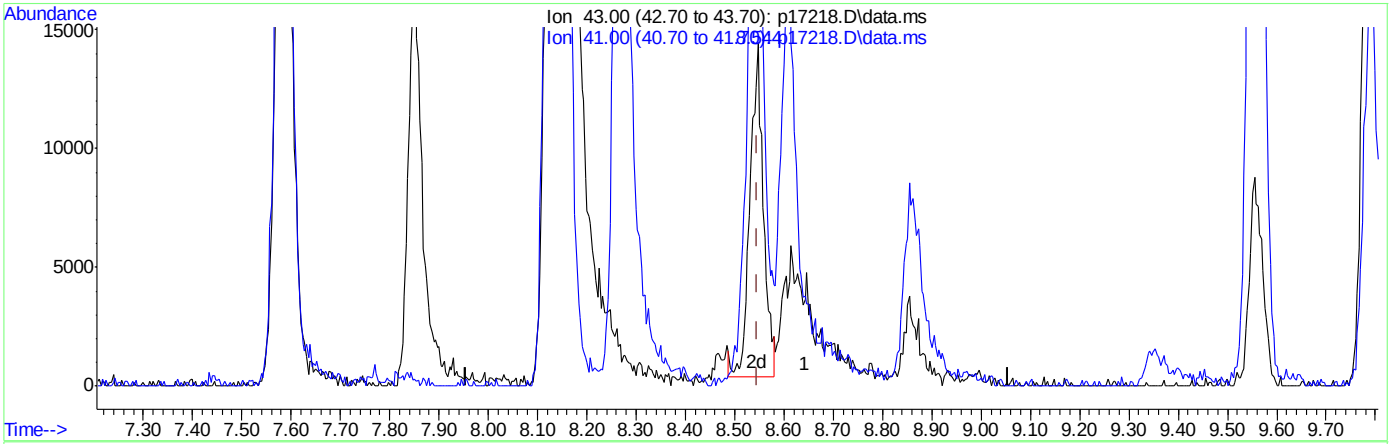
| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 41.00 | 88.50 | 106.31 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

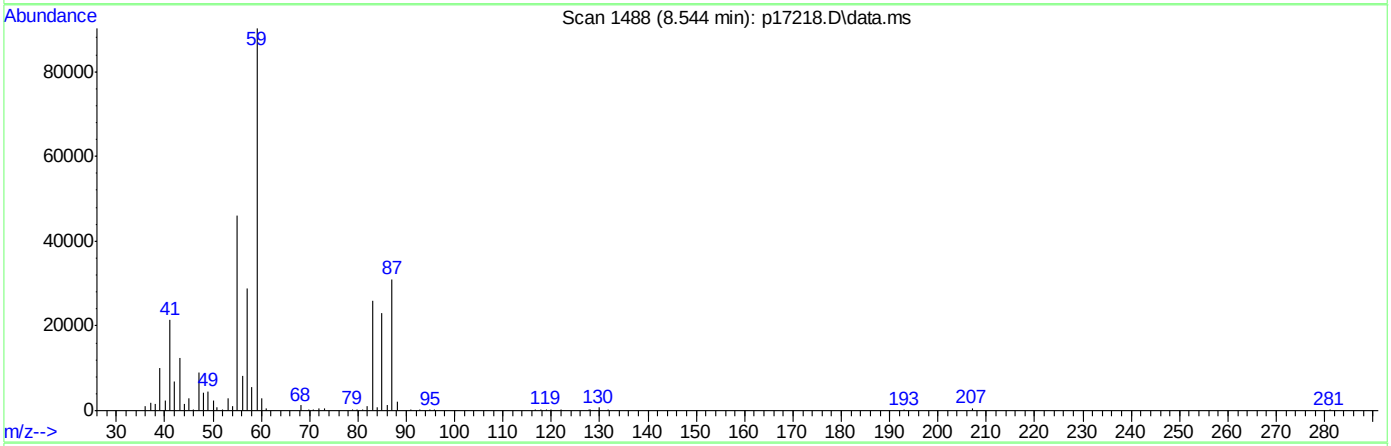
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : p17218.D
Acq On : 26 Apr 2007 8:16 pm
Operator : amym
Sample : m64162-13msd
Misc : ms13438,msp589,,,,5,5
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Apr 27 12:26:47 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Apr 27 11:51:32 2007
Response via : Initial Calibration






TIC: p17218.D\data.ms

(34) isobutyl alcohol (M)

8.544min (-0.002) 168.35ug/L m

response 26175

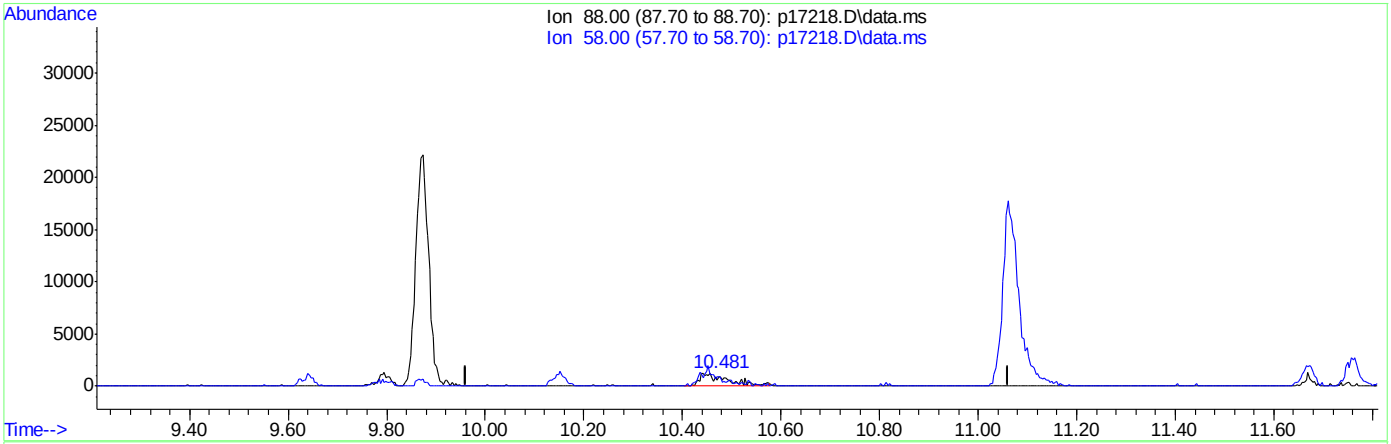
| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 41.00 | 88.50 | 170.78# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

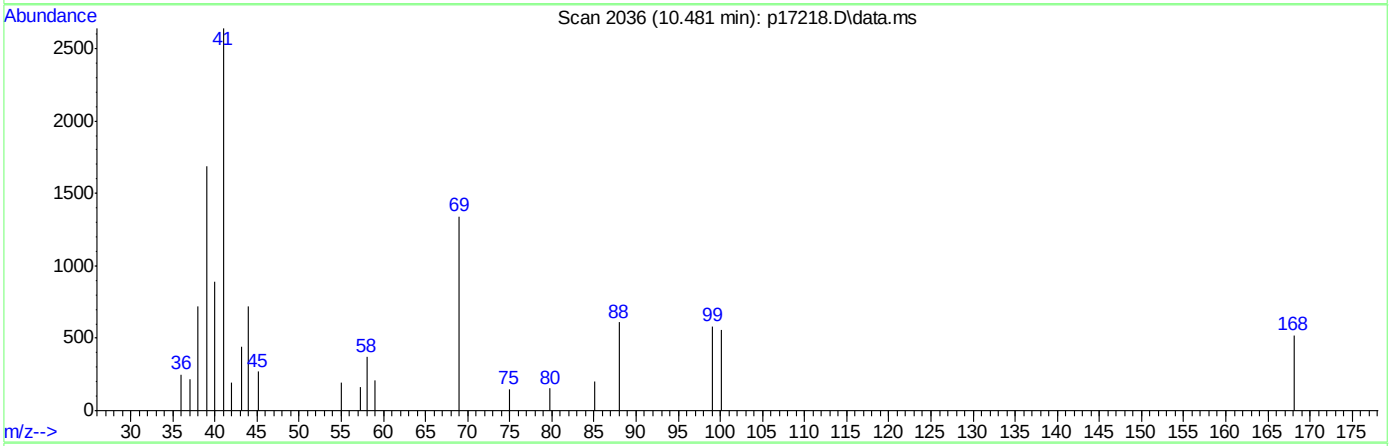
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : p17218.D
Acq On : 26 Apr 2007 8:16 pm
Operator : amym
Sample : m64162-13msd
Misc : ms13438,msp589,,,,5,5
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Apr 27 12:26:47 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Apr 27 11:51:32 2007
Response via : Initial Calibration






TIC: p17218.D\data.ms

(57) 1,4-dioxane (M)

10.481min (+0.009) 215.13ug/L m

response 4875

| Ion | Exp% | Act% |
|---|---|---|
| 88.00 | 100 | 100 |
| 58.00 | 60.20 | 60.69 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18925.D Vial: 34
Acq On : 27 Apr 2007 6:16 pm Operator: alit
Sample : M64100-1MS Inst : MAMSN
Misc : ms13446,msn684,,,,5,5 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 28 09:17:20 2007 Quant Results File: N042007W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Apr 25 10:27:30 2007
Response via : Initial Calibration
DataAcq Meth : N8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 5.85 | 65 | 33697 | 500.00 | ug/L | 0.00 |
| 3) pentafluorobenzene | 8.28 | 168 | 91433 | 50.00 | ug/L | 0.00 |
| 43) 1,4-difluorobenzene | 9.13 | 114 | 130745 | 50.00 | ug/L | 0.00 |
| 66) chlorobenzene-d5 | 12.38 | 82 | 75678 | 50.00 | ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 14.94 | 152 | 99146 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 40) dibromofluoromethane (s) | 7.90 | 113 | 50632 | 58.31 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 84 - 129 | | Recovery = 116.62% | | | |
| 60) toluene-d8 (s) | 10.92 | 98 | 171576 | 52.26 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 104.52% | | | |
| 82) bromofluorobenzene (s) | 13.61 | 95 | 77897 | 49.69 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 82 - 118 | | Recovery = 99.38% | | | |

| Target Compounds | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 2) tertiary butyl alcohol | 5.94 | 59 | 46789 | 541.65 | ug/L | 93 |
| 4) Ethanol | 4.78 | 45 | 58662 | 6355.19 | ug/L | 100 |
| 5) dichlorodifluoromethane | 3.71 | 85 | 49948 | 88.06 | ug/L | 95 |
| 6) chloromethane | 3.94 | 50 | 52101 | 75.13 | ug/L | 98 |
| 7) vinyl chloride | 4.15 | 62 | 44619 | 78.33 | ug/L | 100 |
| 8) bromomethane | 4.62 | 96 | 25605 | 66.28 | ug/L | 89 |
| 9) chloroethane | 4.77 | 64 | 22598 | 83.29 | ug/L | 99 |
| 10) ethyl ether | 5.61 | 59 | 32440 | 55.50 | ug/L | 97 |
| 11) acetonitrile | 5.38 | 41 | 11764 | 59.63 | ug/L | 94 |
| 12) trichlorofluoromethane | 5.38 | 101 | 67227 | 68.08 | ug/L | 99 |
| 13) freon-113 | 6.13 | 101 | 40774 | 72.67 | ug/L | 96 |
| 14) acrolein | 5.36 | 56 | 51329 | 324.83 | ug/L | 99 |
| 15) 1,1-dichloroethene | 5.94 | 96 | 37113 | 57.96 | ug/L | 93 |
| 16) acetone | 5.50 | 43 | 18409 | 58.50 | ug/L | 91 |
| 17) Methyl Acetate | 6.12 | 43 | 57083 | 48.75 | ug/L | 98 |
| 18) methylene chloride | 6.09 | 84 | 51220 | 60.07 | ug/L | 92 |
| 19) methyl tert butyl ether | 6.86 | 73 | 114730 | 59.48 | ug/L | 100 |
| 20) acrylonitrile | 5.99 | 53 | 100099 | 298.67 | ug/L | 100 |
| 21) allyl chloride | 6.18 | 41 | 52224 | 66.33 | ug/L | 98 |
| 22) trans-1,2-dichloroethene | 6.76 | 96 | 40409 | 54.15 | ug/L | 98 |
| 23) iodomethane | 5.99 | 142 | 54806 | 60.01 | ug/L | 87 |
| 24) carbon disulfide | 6.34 | 76 | 151216 | 71.36 | ug/L | 100 |
| 25) propionitrile | 7.02 | 54 | 7448 | 54.65 | ug/L | 100 |
| 26) vinyl acetate | 7.12 | 43 | 51382 | 32.05 | ug/L | 98 |
| 27) chloroprene | 7.38 | 53 | 55203 | 66.15 | ug/L | 91 |
| 28) di-isopropyl ether | 7.43 | 45 | 147743 | 60.95 | ug/L | 96 |
| 29) methacrylonitrile | 7.53 | 41 | 33287 | 62.46 | ug/L | 86 |
| 30) 2-butanone | 7.42 | 72 | 5139 | 50.46 | ug/L # | 95 |
| 31) Hexane | 7.40 | 41 | 61560 | 75.69 | ug/L | 95 |
| 32) 1,1-dichloroethane | 7.01 | 63 | 78294 | 63.31 | ug/L | 97 |
| 33) tert-butyl ethyl ether | 7.82 | 59 | 130914 | 60.91 | ug/L | 96 |
| 34) isobutyl alcohol | 7.42 | 43 | 121895 | 323.00 | ug/L | 96 |
| 35) 2,2-dichloropropane | 7.86 | 77 | 56532 | 65.48 | ug/L | 95 |
| 36) cis-1,2-dichloroethene | 7.58 | 96 | 45020 | 50.19 | ug/L | 89 |
| 37) ethyl acetate | 7.73 | 43 | 41693 | 88.11 | ug/L | 85 |

(#) = qualifier out of range (m) = manual integration
N18925.D N042007W.M Sat Apr 28 10:24:03 2007 RP1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18925.D Vial: 34
Acq On : 27 Apr 2007 6:16 pm Operator: alit
Sample : M64100-1MS Inst : MAMSN
Misc : ms13446,msn684,,,,5,5 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 28 09:17:20 2007 Quant Results File: N042007W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Apr 25 10:27:30 2007
Response via : Initial Calibration
DataAcq Meth : N8260

| Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|
| 38) bromochloromethane | 7.74 | 128 | 23535 | 55.87 ug/L | 95 |
| 39) chloroform | 7.78 | 83 | 85693 | 64.73 ug/L | 95 |
| 41) Tetrahydrofuran | 8.10 | 42 | 13947 | 53.85 ug/L | 86 |
| 42) 1,1,1-trichloroethane | 8.52 | 97 | 72594 | 71.81 ug/L | 98 |
| 44) Cyclohexane | 8.81 | 56 | 64890 | 60.62 ug/L | 95 |
| 45) carbon tetrachloride | 8.89 | 117 | 65750 | 66.36 ug/L | 98 |
| 46) 1,1-dichloropropene | 8.70 | 75 | 55778 | 57.75 ug/L | 96 |
| 47) benzene | 8.92 | 78 | 167797 | 54.35 ug/L | 99 |
| 48) 1,2-dichloroethane | 8.43 | 62 | 68317 | 67.53 ug/L | 95 |
| 49) tert-amyl methyl ether | 9.06 | 73 | 111928 | 50.93 ug/L | 98 |
| 50) heptane | 9.43 | 43 | 38240 | 54.93 ug/L | 99 |
| 51) trichloroethene | 9.55 | 95 | 47965 | 56.47 ug/L | 98 |
| 52) 1,2-dichloropropane | 9.51 | 63 | 43543 | 55.32 ug/L | 96 |
| 53) dibromomethane | 9.48 | 93 | 32088 | 57.39 ug/L | 89 |
| 54) bromodichloromethane | 9.60 | 83 | 66645 | 60.01 ug/L | 99 |
| 55) Methylcyclohexane | 10.06 | 83 | 64669 | 53.91 ug/L | 92 |
| 56) 2-chloroethyl vinyl ether | 9.51 | 63 | 43543 | 55.32 ug/L # | 99 |
| 57) methyl methacrylate | 9.71 | 69 | 29464 | 49.71 ug/L # | 74 |
| 58) 1,4-dioxane | 9.70 | 88 | 3064 | 197.07 ug/L | 95 |
| 59) cis-1,3-dichloropropene | 10.22 | 75 | 68256 | 56.83 ug/L | 97 |
| 61) 4-methyl-2-pentanone | 10.32 | 43 | 48524 | 55.92 ug/L | 94 |
| 62) toluene | 11.00 | 92 | 107363 | 52.32 ug/L | 95 |
| 63) trans-1,3-dichloropropene | 10.64 | 75 | 63098 | 59.19 ug/L | 99 |
| 64) 1,1,2-trichloroethane | 10.81 | 83 | 39163 | 55.16 ug/L | 97 |
| 65) ethyl methacrylate | 11.04 | 69 | 59143 | 53.57 ug/L | 82 |
| 67) tetrachloroethene | 11.74 | 166 | 55264 | 44.18 ug/L | 97 |
| 68) 1,3-dichloropropane | 11.05 | 76 | 77302 | 52.32 ug/L | 97 |
| 69) dibromochloromethane | 11.33 | 129 | 57971 | 49.98 ug/L | 99 |
| 70) 1,2-dibromoethane | 11.58 | 107 | 51173 | 47.85 ug/L | 100 |
| 71) 2-hexanone | 11.18 | 43 | 35030 | 48.20 ug/L | 98 |
| 72) chlorobenzene | 12.42 | 112 | 129666 | 44.21 ug/L | 96 |
| 73) 1,1,1,2-tetrachloroethane | 12.33 | 131 | 49737 | 50.82 ug/L | 94 |
| 74) ethylbenzene | 12.60 | 91 | 219512 | 49.38 ug/L | 98 |
| 75) m,p-xylene | 12.79 | 106 | 174314 | 96.78 ug/L | 97 |
| 76) o-xylene | 13.19 | 106 | 88525 | 49.09 ug/L | 100 |
| 77) styrene | 13.12 | 104 | 137483 | 48.17 ug/L | 92 |
| 78) bromoform | 12.93 | 173 | 47589 | 43.72 ug/L | 98 |
| 79) trans-1,4-dichloro-2-buten | 13.35 | 53 | 20633 | 55.04 ug/L | 92 |
| 81) isopropylbenzene | 13.56 | 105 | 204044 | 51.18 ug/L | 97 |
| 83) bromobenzene | 13.83 | 156 | 73142 | 44.70 ug/L | 94 |
| 84) 1,1,2,2-tetrachloroethane | 13.20 | 83 | 73475 | 50.49 ug/L | 98 |
| 85) 1,2,3-trichloropropane | 13.34 | 75 | 80593 | 48.51 ug/L | 97 |
| 86) n-propylbenzene | 14.01 | 91 | 298439 | 51.96 ug/L | 95 |
| 87) 2-chlorotoluene | 14.11 | 91 | 176056 | 49.58 ug/L | 92 |
| 88) 4-chlorotoluene | 14.19 | 91 | 188460 | 50.20 ug/L | 94 |
| 89) 1,3,5-trimethylbenzene | 14.29 | 105 | 207619 | 51.53 ug/L | 97 |
| 90) tert-butylbenzene | 14.59 | 91 | 122807 | 55.50 ug/L | 90 |
| 91) 1,2,4-trimethylbenzene | 14.69 | 105 | 227501 | 52.87 ug/L | 94 |
| 92) sec-butylbenzene | 14.81 | 105 | 292289 | 52.50 ug/L | 99 |

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18925.D Vial: 34
Acq On : 27 Apr 2007 6:16 pm Operator: alit
Sample : M64100-1MS Inst : MAMSN
Misc : ms13446,msn684,,,,5,5 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 28 09:17:20 2007 Quant Results File: N042007W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Apr 25 10:27:30 2007
Response via : Initial Calibration
DataAcq Meth : N8260

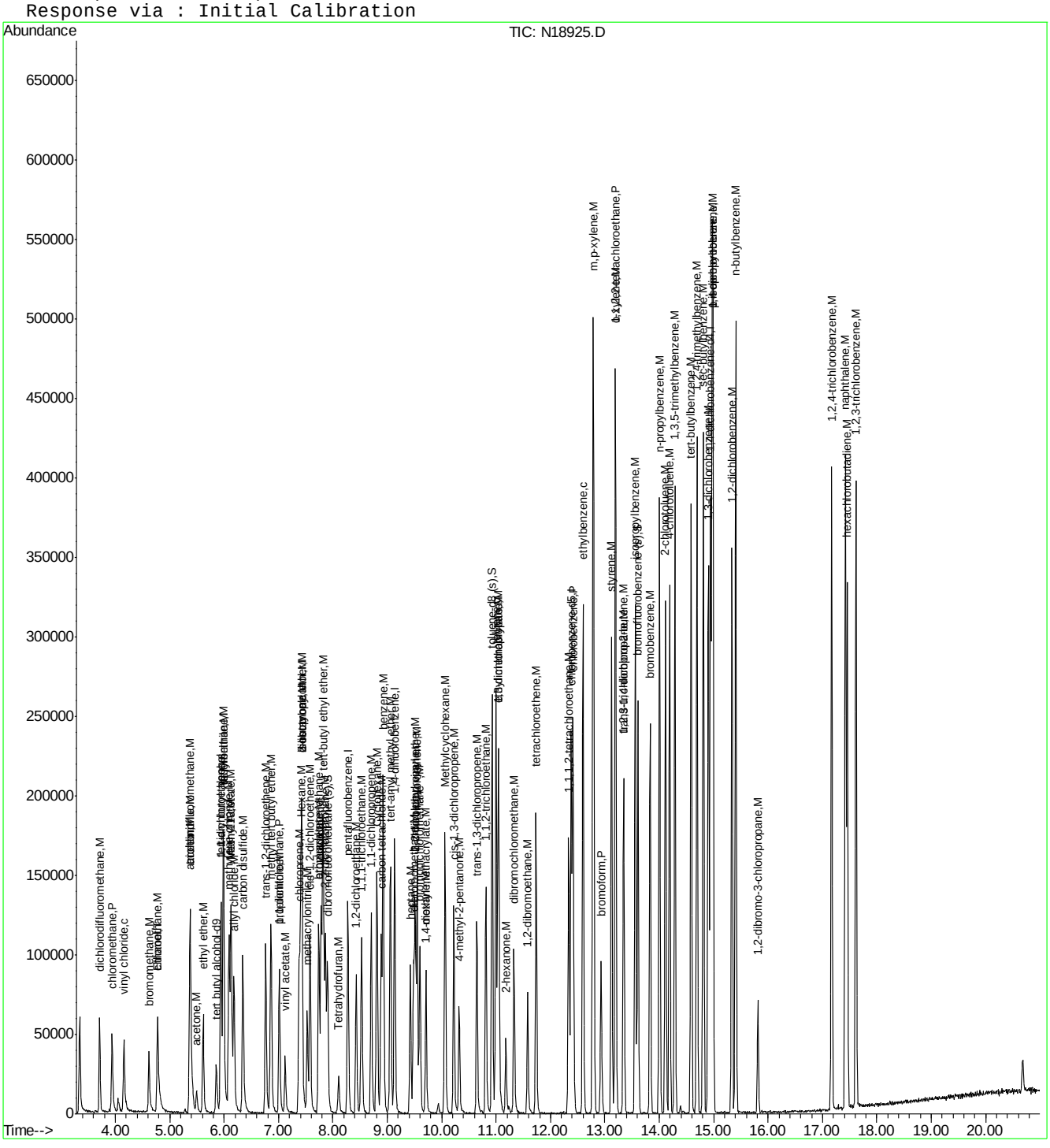
| | Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|---|---|---|---|---|---|---|---|
| 93) | 1,3-dichlorobenzene | 14.90 | 146 | 145467 | 48.40 | ug/L | 97 |
| 94) | p-isopropyltoluene | 14.99 | 119 | 252868 | 50.97 | ug/L | 98 |
| 96) | 1,4-dichlorobenzene | 14.97 | 146 | 156960 | 52.12 | ug/L | 95 |
| 97) | 1,2-dichlorobenzene | 15.34 | 146 | 149324 | 47.57 | ug/L | 99 |
| 98) | n-butylbenzene | 15.40 | 91 | 265070 | 53.58 | ug/L | 94 |
| 99) | 1,2-dibromo-3-chloropropan | 15.82 | 75 | 16492 | 54.30 | ug/L | 77 |
| 100) | 1,2,4-trichlorobenzene | 17.17 | 180 | 123575 | 47.60 | ug/L | 96 |
| 101) | hexachlorobutadiene | 17.45 | 225 | 66961 | 51.66 | ug/L | 98 |
| 102) | naphthalene | 17.42 | 128 | 294670 | 48.75 | ug/L | 100 |
| 103) | 1,2,3-trichlorobenzene | 17.62 | 180 | 122865 | 50.96 | ug/L | 98 |

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18925.D Vial: 34
Acq On : 27 Apr 2007 6:16 pm Operator: alit
Sample : M64100-1MS Inst : MAMSN
Misc : ms13446,msn684,,,,5,5 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 28 9:17 2007 Quant Results File: N042007W.RES

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Apr 25 10:27:30 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18926.D Vial: 35
Acq On : 27 Apr 2007 6:44 pm Operator: alit
Sample : M64100-1MSD Inst : MAMSN
Misc : ms13446,msn684,,,,5,5 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 28 09:17:30 2007 Quant Results File: N042007W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Apr 25 10:27:30 2007
Response via : Initial Calibration
DataAcq Meth : N8260

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 5.86 | 65 | 40220 | 500.00 ug/L | 0.00 |
| 3) pentafluorobenzene | 8.28 | 168 | 102494 | 50.00 ug/L | 0.00 |
| 43) 1,4-difluorobenzene | 9.13 | 114 | 149908 | 50.00 ug/L | 0.00 |
| 66) chlorobenzene-d5 | 12.38 | 82 | 85156 | 50.00 ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 14.94 | 152 | 107562 | 50.00 ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | |
| 40) dibromofluoromethane (s) | 7.90 | 113 | 56778 | 58.33 ug/L | 0.00 |
| Spiked Amount 50.000 | Range 84 - 129 | | Recovery = 116.66% | | |
| 60) toluene-d8 (s) | 10.92 | 98 | 192318 | 51.09 ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 102.18% | | |
| 82) bromofluorobenzene (s) | 13.61 | 95 | 84722 | 49.82 ug/L | 0.00 |
| Spiked Amount 50.000 | Range 82 - 118 | | Recovery = 99.64% | | |
| **Target Compounds** | | | | | Qvalue |
| 2) tertiary butyl alcohol | 5.94 | 59 | 50121 | 486.12 ug/L | 91 |
| 4) Ethanol | 4.78 | 45 | 60859 | 5864.07 ug/L | 97 |
| 5) dichlorodifluoromethane | 3.71 | 85 | 56850 | 89.38 ug/L | 96 |
| 6) chloromethane | 3.94 | 50 | 60411 | 77.71 ug/L | 97 |
| 7) vinyl chloride | 4.16 | 62 | 51596 | 80.81 ug/L | 98 |
| 8) bromomethane | 4.62 | 96 | 29804 | 68.82 ug/L | 97 |
| 9) chloroethane | 4.77 | 64 | 24044 | 79.06 ug/L | 93 |
| 10) ethyl ether | 5.61 | 59 | 35329 | 53.92 ug/L | 100 |
| 11) acetonitrile | 5.38 | 41 | 12019 | 54.35 ug/L | 86 |
| 12) trichlorofluoromethane | 5.38 | 101 | 73324 | 66.35 ug/L | 92 |
| 13) freon-113 | 6.13 | 101 | 42896 | 68.28 ug/L | 98 |
| 14) acrolein | 5.36 | 56 | 55517 | 313.41 ug/L | 98 |
| 15) 1,1-dichloroethene | 5.94 | 96 | 39311 | 54.83 ug/L | 83 |
| 16) acetone | 5.49 | 43 | 19918 | 56.47 ug/L | 100 |
| 17) Methyl Acetate | 6.12 | 43 | 60221 | 45.88 ug/L | 99 |
| 18) methylene chloride | 6.09 | 84 | 55081 | 57.63 ug/L | 92 |
| 19) methyl tert butyl ether | 6.86 | 73 | 124774 | 57.71 ug/L | 99 |
| 20) acrylonitrile | 5.99 | 53 | 105947 | 282.00 ug/L | 96 |
| 21) allyl chloride | 6.18 | 41 | 58721 | 66.53 ug/L | 97 |
| 22) trans-1,2-dichloroethene | 6.76 | 96 | 45152 | 53.98 ug/L | 95 |
| 23) iodomethane | 5.99 | 142 | 58802 | 57.31 ug/L | 100 |
| 24) carbon disulfide | 6.35 | 76 | 165785 | 69.79 ug/L | 97 |
| 25) propionitrile | 7.02 | 54 | 7555 | 49.46 ug/L | 100 |
| 26) vinyl acetate | 7.12 | 43 | 54197 | 30.34 ug/L | 98 |
| 27) chloroprene | 7.38 | 53 | 61959 | 66.23 ug/L | 91 |
| 28) di-isopropyl ether | 7.43 | 45 | 160640 | 59.12 ug/L | 96 |
| 29) methacrylonitrile | 7.52 | 41 | 35872 | 60.05 ug/L | 84 |
| 30) 2-butanone | 7.42 | 72 | 5626 | 49.28 ug/L # | 93 |
| 31) Hexane | 7.41 | 41 | 67972 | 74.56 ug/L | 83 |
| 32) 1,1-dichloroethane | 7.01 | 63 | 85322 | 61.54 ug/L | 99 |
| 33) tert-butyl ethyl ether | 7.82 | 59 | 143172 | 59.43 ug/L | 95 |
| 34) isobutyl alcohol | 7.42 | 43 | 132255 | 312.63 ug/L | 98 |
| 35) 2,2-dichloropropane | 7.87 | 77 | 59148 | 61.12 ug/L | 97 |
| 36) cis-1,2-dichloroethene | 7.58 | 96 | 50762 | 50.48 ug/L | 91 |
| 37) ethyl acetate | 7.73 | 43 | 44178 | 83.29 ug/L | 85 |

(#) = qualifier out of range (m) = manual integration
N18926.D N042007W.M Sat Apr 28 10:25:15 2007 RP1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18926.D Vial: 35
Acq On : 27 Apr 2007 6:44 pm Operator: alit
Sample : M64100-1MSD Inst : MAMSN
Misc : ms13446,msn684,,,,5,5 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 28 09:17:30 2007 Quant Results File: N042007W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Apr 25 10:27:30 2007
Response via : Initial Calibration
DataAcq Meth : N8260

| Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|
| 38) bromochloromethane | 7.74 | 128 | 26297 | 55.69 ug/L | 94 |
| 39) chloroform | 7.78 | 83 | 90712 | 61.12 ug/L | 99 |
| 41) Tetrahydrofuran | 8.10 | 42 | 15271 | 52.45 ug/L | 87 |
| 42) 1,1,1-trichloroethane | 8.52 | 97 | 78510 | 69.28 ug/L | 99 |
| 44) Cyclohexane | 8.81 | 56 | 71965 | 58.63 ug/L | 95 |
| 45) carbon tetrachloride | 8.89 | 117 | 69726 | 61.38 ug/L | 94 |
| 46) 1,1-dichloropropene | 8.70 | 75 | 61555 | 55.61 ug/L | 99 |
| 47) benzene | 8.93 | 78 | 184668 | 52.17 ug/L | 99 |
| 48) 1,2-dichloroethane | 8.43 | 62 | 70937 | 61.16 ug/L | 96 |
| 49) tert-amyl methyl ether | 9.06 | 73 | 119984 | 47.61 ug/L | 96 |
| 50) heptane | 9.42 | 43 | 43253 | 54.18 ug/L | 93 |
| 51) trichloroethene | 9.55 | 95 | 51972 | 53.37 ug/L | 92 |
| 52) 1,2-dichloropropane | 9.51 | 63 | 48599 | 53.85 ug/L | 98 |
| 53) dibromomethane | 9.48 | 93 | 35449 | 55.30 ug/L | 92 |
| 54) bromodichloromethane | 9.60 | 83 | 72320 | 56.79 ug/L | 99 |
| 55) Methylcyclohexane | 10.07 | 83 | 72805 | 52.93 ug/L | 97 |
| 56) 2-chloroethyl vinyl ether | 9.51 | 63 | 48599 | 53.85 ug/L # | 98 |
| 57) methyl methacrylate | 9.71 | 69 | 31436 | 46.26 ug/L | 85 |
| 58) 1,4-dioxane | 9.70 | 88 | 3450 | 193.53 ug/L | 87 |
| 59) cis-1,3-dichloropropene | 10.22 | 75 | 75856 | 55.09 ug/L | 96 |
| 61) 4-methyl-2-pentanone | 10.32 | 43 | 50519 | 50.78 ug/L | 97 |
| 62) toluene | 11.00 | 92 | 116470 | 49.50 ug/L | 99 |
| 63) trans-1,3-dichloropropene | 10.65 | 75 | 67821 | 55.49 ug/L | 93 |
| 64) 1,1,2-trichloroethane | 10.81 | 83 | 41524 | 51.01 ug/L | 97 |
| 65) ethyl methacrylate | 11.04 | 69 | 63346 | 50.04 ug/L | 76 |
| 67) tetrachloroethene | 11.73 | 166 | 60304 | 42.84 ug/L | 92 |
| 68) 1,3-dichloropropane | 11.05 | 76 | 82235 | 49.47 ug/L | 100 |
| 69) dibromochloromethane | 11.33 | 129 | 62843 | 48.15 ug/L | 95 |
| 70) 1,2-dibromoethane | 11.58 | 107 | 53361 | 44.34 ug/L | 98 |
| 71) 2-hexanone | 11.18 | 43 | 37452 | 45.80 ug/L | 99 |
| 72) chlorobenzene | 12.42 | 112 | 142286 | 43.11 ug/L | 95 |
| 73) 1,1,1,2-tetrachloroethane | 12.34 | 131 | 53165 | 48.28 ug/L | 89 |
| 74) ethylbenzene | 12.60 | 91 | 236711 | 47.32 ug/L | 99 |
| 75) m,p-xylene | 12.79 | 106 | 188605 | 93.06 ug/L | 98 |
| 76) o-xylene | 13.19 | 106 | 94548 | 46.59 ug/L | 92 |
| 77) styrene | 13.12 | 104 | 148910 | 46.37 ug/L | 90 |
| 78) bromoform | 12.93 | 173 | 51541 | 42.28 ug/L | 96 |
| 79) trans-1,4-dichloro-2-buten | 13.35 | 53 | 21348 | 50.60 ug/L # | 83 |
| 81) isopropylbenzene | 13.56 | 105 | 217767 | 50.35 ug/L | 97 |
| 83) bromobenzene | 13.83 | 156 | 77884 | 43.88 ug/L | 91 |
| 84) 1,1,2,2-tetrachloroethane | 13.19 | 83 | 76535 | 48.48 ug/L | 100 |
| 85) 1,2,3-trichloropropane | 13.34 | 75 | 87647 | 48.63 ug/L | 94 |
| 86) n-propylbenzene | 14.00 | 91 | 320628 | 51.46 ug/L | 96 |
| 87) 2-chlorotoluene | 14.11 | 91 | 189624 | 49.23 ug/L | 93 |
| 88) 4-chlorotoluene | 14.19 | 91 | 201585 | 49.49 ug/L | 93 |
| 89) 1,3,5-trimethylbenzene | 14.29 | 105 | 221592 | 50.70 ug/L | 92 |
| 90) tert-butylbenzene | 14.58 | 91 | 132725 | 55.29 ug/L | 92 |
| 91) 1,2,4-trimethylbenzene | 14.69 | 105 | 238493 | 51.09 ug/L | 98 |
| 92) sec-butylbenzene | 14.81 | 105 | 315521 | 52.24 ug/L | 96 |

(#) = qualifier out of range (m) = manual integration
N18926.D N042007W.M Sat Apr 28 10:25:16 2007 RP1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18926.D Vial: 35
Acq On : 27 Apr 2007 6:44 pm Operator: alit
Sample : M64100-1MSD Inst : MAMSN
Misc : ms13446,msn684,,,,5,5 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 28 09:17:30 2007 Quant Results File: N042007W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Apr 25 10:27:30 2007
Response via : Initial Calibration
DataAcq Meth : N8260

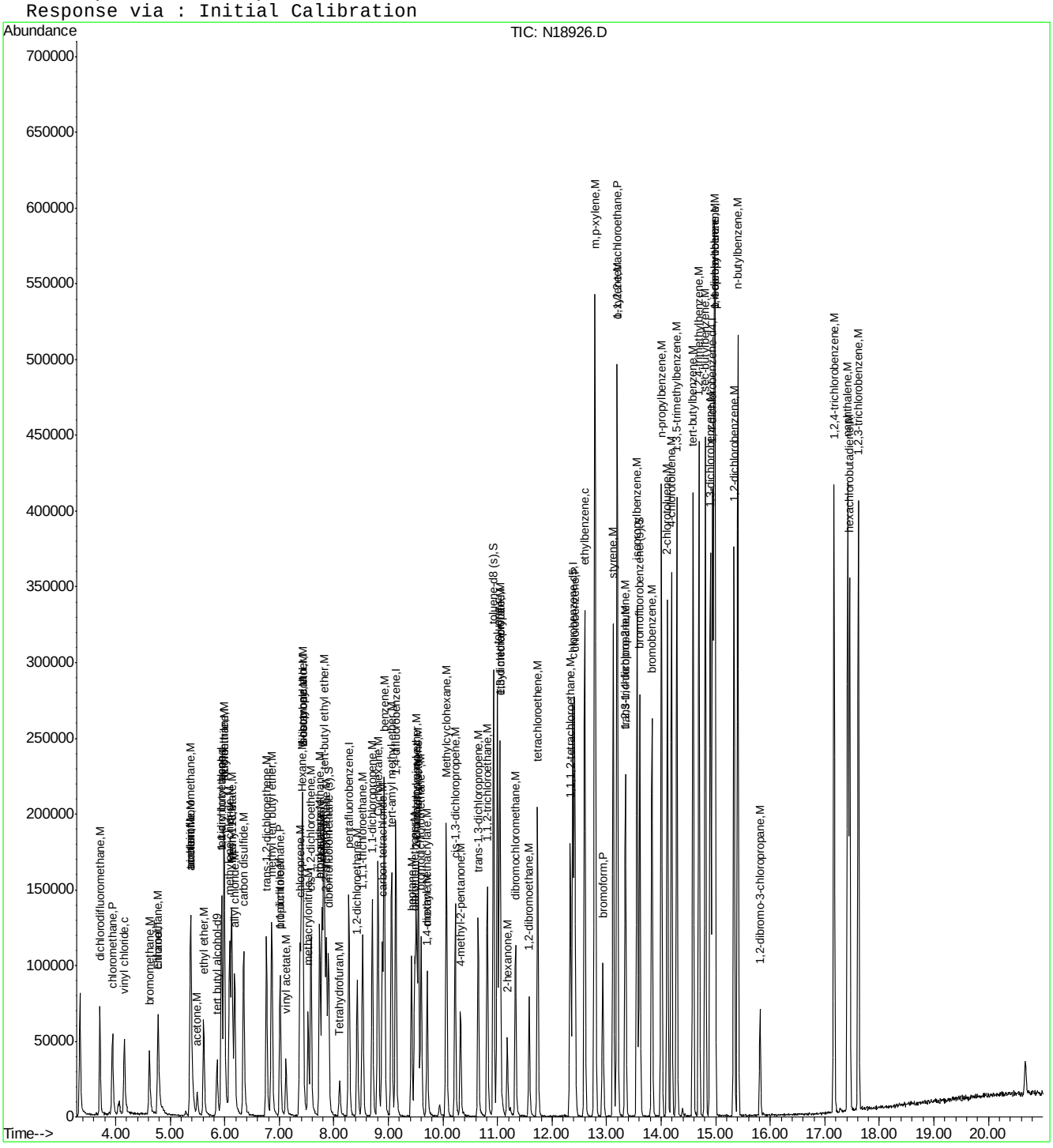
| | Compound | R.T. | QIon | Response | Conc | Unit | | Qvalue |
|---|---|---|---|---|---|---|---|---|
| 93) | 1,3-dichlorobenzene | 14.90 | 146 | 155856 | 47.76 | ug/L | | 98 |
| 94) | p-isopropyltoluene | 14.99 | 119 | 268534 | 49.90 | ug/L | | 98 |
| 96) | 1,4-dichlorobenzene | 14.97 | 146 | 163627 | 49.87 | ug/L | | 97 |
| 97) | 1,2-dichlorobenzene | 15.33 | 146 | 156080 | 45.83 | ug/L | | 99 |
| 98) | n-butylbenzene | 15.40 | 91 | 276040 | 51.44 | ug/L | | 96 |
| 99) | 1,2-dibromo-3-chloropropan | 15.81 | 75 | 17258 | 52.38 | ug/L | # | 72 |
| 100) | 1,2,4-trichlorobenzene | 17.17 | 180 | 130793 | 46.44 | ug/L | | 99 |
| 101) | hexachlorobutadiene | 17.45 | 225 | 69774 | 49.62 | ug/L | | 98 |
| 102) | naphthalene | 17.42 | 128 | 308662 | 47.07 | ug/L | | 100 |
| 103) | 1,2,3-trichlorobenzene | 17.61 | 180 | 129662 | 49.47 | ug/L | | 98 |

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18926.D Vial: 35
Acq On : 27 Apr 2007 6:44 pm Operator: alit
Sample : M64100-1MSD Inst : MAMSN
Misc : ms13446,msn684,,,,5,5 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 28 9:17 2007 Quant Results File: N042007W.RES

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Apr 25 10:27:30 2007
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
04/30/07 16:44

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69231.D Vial: 2
Acq On : 27 Apr 2007 7:52 pm Operator: kimt
Sample : M64162-16MS Inst : 5973 G
Misc : MS13447,MSG2784,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 10:16 2007 Quant Results File: G042507W.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration
DataAcq Meth : G8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 6.44 | 65 | 93500 | 500.00 | ppb | 0.02 |
| 3) pentafluorobenzene | 8.74 | 168 | 471410 | 50.00 | ppb | 0.00 |
| 43) 1,4-difluorobenzene | 9.61 | 114 | 658235 | 50.00 | ppb | 0.00 |
| 66) chlorobenzene-d5 | 12.86 | 82 | 336998 | 50.00 | ppb | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 15.42 | 152 | 394184 | 50.00 | ppb | 0.00 |

System Monitoring Compounds

| | | | | | | |
|---|---|---|---|---|---|---|
| 40) dibromofluoromethane (s) | 8.38 | 113 | 206251 | 50.54 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 83 - 127 | | Recovery = 101.08% | | | |
| 60) toluene-d8 (s) | 11.40 | 98 | 795122 | 49.67 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 89 - 112 | | Recovery = 99.34% | | | |
| 82) bromofluorobenzene (s) | 14.09 | 95 | 315722 | 48.80 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 81 - 119 | | Recovery = 97.60% | | | |

| Target Compounds | | | | | | | Qvalue |
|---|---|---|---|---|---|---|---|
| 2) tertiary butyl alcohol | 6.48 | 59 | 101363m | 461.39 | ppb | | |
| 4) Ethanol | 5.58 | 45 | 77964m | 3156.16 | ppb | | |
| 5) dichlorodifluoromethane | 4.16 | 85 | 91191 | 19.53 | ppb | | 98 |
| 6) chloromethane | 4.35 | 50 | 230604 | 42.89 | ppb | | 100 |
| 7) vinyl chloride | 4.62 | 62 | 230811 | 45.34 | ppb | | 95 |
| 8) bromomethane | 5.07 | 96 | 174713 | 45.72 | ppb | | 96 |
| 9) chloroethane | 5.23 | 64 | 160886 | 47.12 | ppb | | 97 |
| 10) ethyl ether | 6.07 | 59 | 180153 | 46.79 | ppb | | 97 |
| 11) acetonitrile | 5.79 | 41 | 17483 | 41.91 | ppb | # | 1 |
| 12) trichlorofluoromethane | 5.88 | 101 | 275714 | 48.84 | ppb | | 91 |
| 13) freon-113 | 6.64 | 101 | 176684 | 45.11 | ppb | | 97 |
| 14) acrolein | 5.85 | 56 | 181561 | 235.94 | ppb | | 99 |
| 15) 1,1-dichloroethene | 6.42 | 96 | 202668 | 48.20 | ppb | | 99 |
| 16) acetone | 6.00 | 43 | 31524 | 26.63 | ppb | | 94 |
| 17) Methyl Acetate | 6.61 | 43 | 293410 | 45.93 | ppb | | 96 |
| 18) methylene chloride | 6.57 | 84 | 292441 | 57.47 | ppb | | 99 |
| 19) methyl tert butyl ether | 7.34 | 73 | 556971 | 43.85 | ppb | | 98 |
| 20) acrylonitrile | 6.49 | 53 | 402680 | 210.02 | ppb | | 99 |
| 21) allyl chloride | 6.65 | 41 | 334311 | 45.79 | ppb | | 99 |
| 22) trans-1,2-dichloroethene | 7.25 | 96 | 219618 | 46.45 | ppb | | 98 |
| 23) iodomethane | 6.48 | 142 | 361445 | 45.42 | ppb | | 97 |
| 24) carbon disulfide | 6.85 | 76 | 551445 | 41.08 | ppb | | 99 |
| 25) propionitrile | 6.48 | 54 | 15625 | 43.06 | ppb | | 100 |
| 26) vinyl acetate | 7.59 | 43 | 381291 | 45.10 | ppb | | 99 |
| 27) chloroprene | 7.86 | 53 | 296483 | 50.60 | ppb | | 96 |
| 28) di-isopropyl ether | 7.90 | 45 | 825614 | 48.92 | ppb | | 98 |
| 29) methacrylonitrile | 8.01 | 41 | 139337 | 41.96 | ppb | | 97 |
| 30) 2-butanone | 7.93 | 72 | 21770 | 37.40 | ppb | | 96 |
| 31) Hexane | 7.88 | 41 | 333225 | 47.42 | ppb | | 97 |
| 32) 1,1-dichloroethane | 7.49 | 63 | 428078 | 51.85 | ppb | | 98 |
| 33) tert-butyl ethyl ether | 8.30 | 59 | 687740 | 47.96 | ppb | | 99 |
| 34) isobutyl alcohol | 8.32 | 43 | 110108 | 211.13 | ppb | # | 82 |
| 35) 2,2-dichloropropane | 8.36 | 77 | 275179 | 52.08 | ppb | | 99 |
| 36) cis-1,2-dichloroethene | 8.06 | 96 | 363001 | 68.15 | ppb | | 96 |
| 37) ethyl acetate | 8.22 | 43 | 4587 | 40.47 | ppb | | 80 |

(#) = qualifier out of range (m) = manual integration
G69231.D G042507W.M Mon Apr 30 10:16:37 2007 RP1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69231.D Vial: 2
Acq On : 27 Apr 2007 7:52 pm Operator: kimt
Sample : M64162-16MS Inst : 5973 G
Misc : MS13447,MSG2784,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 10:16 2007 Quant Results File: G042507W.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration
DataAcq Meth : G8260

| | Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|---|---|---|---|---|---|---|---|
| 38) | bromochloromethane | 8.23 | 128 | 123276 | 46.99 | ppb | 99 |
| 39) | chloroform | 8.26 | 83 | 393494 | 48.40 | ppb | 97 |
| 41) | Tetrahydrofuran | 8.62 | 42 | 82053 | 57.67 | ppb | 97 |
| 42) | 1,1,1-trichloroethane | 9.02 | 97 | 328073 | 49.22 | ppb | 98 |
| 44) | Cyclohexane | 9.30 | 56 | 363018 | 47.46 | ppb | 98 |
| 45) | carbon tetrachloride | 9.38 | 117 | 301736 | 49.59 | ppb | 98 |
| 46) | 1,1-dichloropropene | 9.19 | 75 | 287732 | 49.54 | ppb | 98 |
| 47) | benzene | 9.41 | 78 | 902081 | 48.60 | ppb | 100 |
| 48) | 1,2-dichloroethane | 8.91 | 62 | 273478 | 47.23 | ppb | 99 |
| 49) | tert-amyl methyl ether | 9.54 | 73 | 602666 | 45.93 | ppb | 99 |
| 50) | heptane | 9.89 | 43 | 310129 | 49.59 | ppb | 98 |
| 51) | trichloroethene | 10.03 | 95 | 303114 | 66.14 | ppb | 95 |
| 52) | 1,2-dichloropropane | 9.99 | 63 | 220867 | 47.49 | ppb | 100 |
| 53) | dibromomethane | 9.97 | 93 | 133865 | 45.41 | ppb | 97 |
| 54) | bromodichloromethane | 10.08 | 83 | 311013 | 47.86 | ppb | 97 |
| 55) | Methylcyclohexane | 10.55 | 83 | 386023 | 49.94 | ppb | 98 |
| 57) | methyl methacrylate | 10.18 | 69 | 136721 | 43.41 | ppb | 96 |
| 58) | 1,4-dioxane | 10.29 | 88 | 4785 | 174.25 | ppb | 70 |
| 59) | cis-1,3-dichloropropene | 10.70 | 75 | 348189 | 49.08 | ppb | 97 |
| 61) | 4-methyl-2-pentanone | 10.79 | 43 | 199634 | 41.68 | ppb | 99 |
| 62) | toluene | 11.47 | 92 | 577873 | 48.46 | ppb | 98 |
| 63) | trans-1,3-dichloropropene | 11.12 | 75 | 287734 | 48.78 | ppb | 96 |
| 64) | 1,1,2-trichloroethane | 11.29 | 83 | 160506 | 44.74 | ppb | 100 |
| 65) | ethyl methacrylate | 11.50 | 69 | 278535 | 46.78 | ppb | 94 |
| 67) | tetrachloroethene | 12.21 | 166 | 454182 | 79.91 | ppb | 100 |
| 68) | 1,3-dichloropropane | 11.52 | 76 | 341144 | 46.31 | ppb | 100 |
| 69) | dibromochloromethane | 11.81 | 129 | 241246 | 45.44 | ppb | 100 |
| 70) | 1,2-dibromoethane | 12.06 | 107 | 200335 | 45.25 | ppb | 100 |
| 71) | 2-hexanone | 11.65 | 43 | 135781 | 40.37 | ppb | 99 |
| 72) | chlorobenzene | 12.89 | 112 | 668389 | 48.09 | ppb | 98 |
| 73) | 1,1,1,2-tetrachloroethane | 12.81 | 131 | 237807 | 47.77 | ppb | 99 |
| 74) | ethylbenzene | 13.07 | 91 | 1115905 | 50.04 | ppb | 98 |
| 75) | m,p-xylene | 13.26 | 106 | 889017 | 100.11 | ppb | 97 |
| 76) | o-xylene | 13.67 | 106 | 440497 | 49.66 | ppb | 98 |
| 77) | styrene | 13.60 | 104 | 706198 | 48.95 | ppb | 99 |
| 78) | bromoform | 13.42 | 173 | 181285 | 42.28 | ppb | 98 |
| 79) | trans-1,4-dichloro-2-buten | 13.82 | 53 | 55986 | 41.01 | ppb | 94 |
| 81) | isopropylbenzene | 14.03 | 105 | 1037838 | 49.35 | ppb | 100 |
| 83) | bromobenzene | 14.32 | 156 | 328742 | 46.45 | ppb | 95 |
| 84) | 1,1,2,2-tetrachloroethane | 13.67 | 83 | 266314 | 41.05 | ppb | 99 |
| 85) | 1,2,3-trichloropropane | 13.82 | 75 | 273008 | 40.40 | ppb | 99 |
| 86) | n-propylbenzene | 14.48 | 91 | 1373671 | 48.92 | ppb | 99 |
| 87) | 2-chlorotoluene | 14.59 | 91 | 809733 | 47.50 | ppb | 99 |
| 88) | 4-chlorotoluene | 14.67 | 91 | 818871 | 47.41 | ppb | 98 |
| 89) | 1,3,5-trimethylbenzene | 14.76 | 105 | 970112 | 48.15 | ppb | 98 |
| 90) | tert-butylbenzene | 15.06 | 91 | 529829 | 49.91 | ppb | 99 |
| 91) | 1,2,4-trimethylbenzene | 15.17 | 105 | 995719 | 47.77 | ppb | 99 |
| 92) | sec-butylbenzene | 15.28 | 105 | 1302293 | 49.18 | ppb | 100 |
| 93) | 1,3-dichlorobenzene | 15.38 | 146 | 622985 | 46.53 | ppb | 98 |

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69231.D Vial: 2
Acq On : 27 Apr 2007 7:52 pm Operator: kimt
Sample : M64162-16MS Inst : 5973 G
Misc : MS13447,MSG2784,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 10:16 2007 Quant Results File: G042507W.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration
DataAcq Meth : G8260

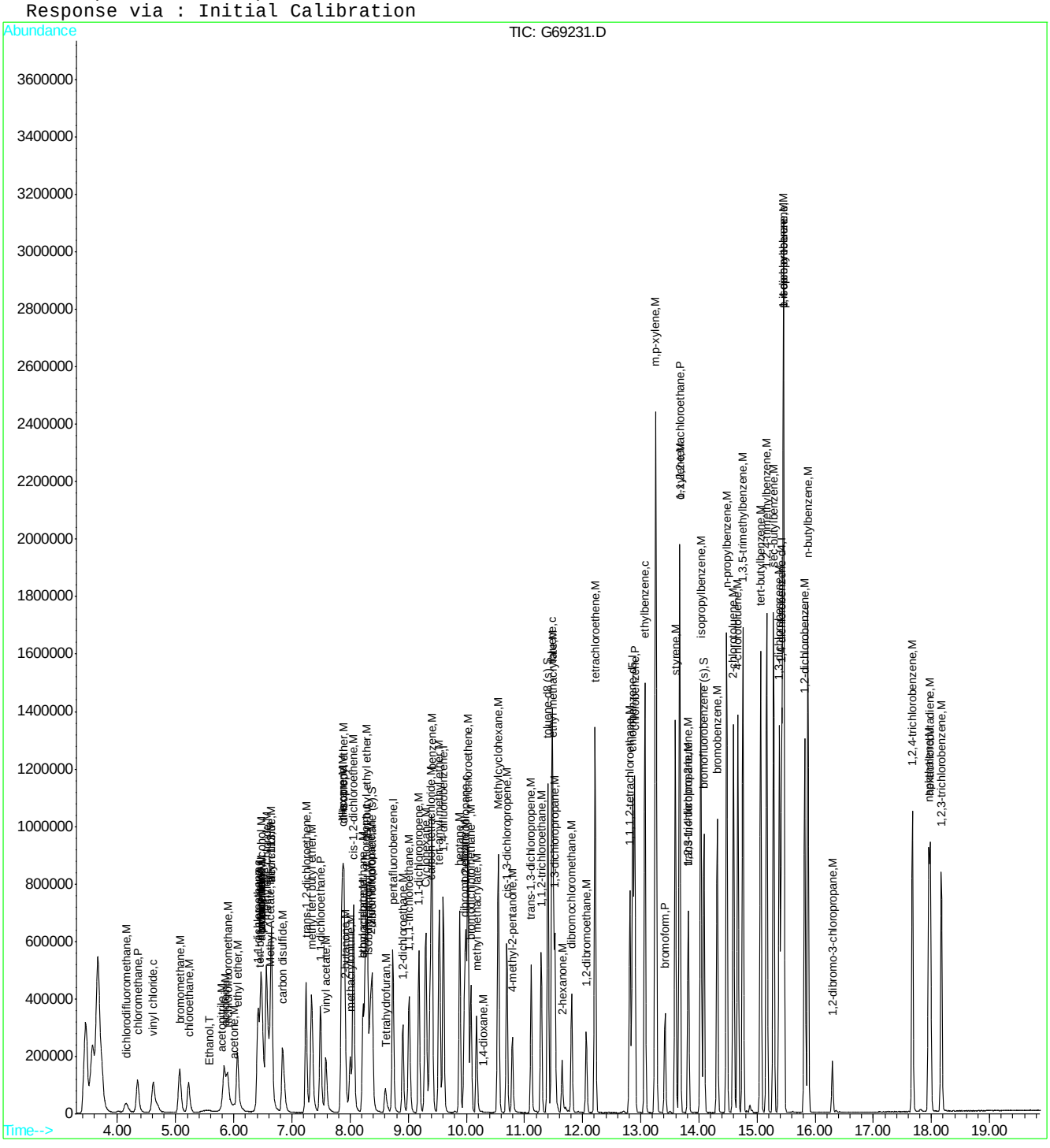
| | Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|---|---|---|---|---|---|---|---|
| 94) | p-isopropyltoluene | 15.46 | 119 | 1135184 | 48.70 | ppb | 99 |
| 95) | 1,4-dichlorobenzene | 15.45 | 146 | 652193 | 46.77 | ppb | 99 |
| 96) | 1,2-dichlorobenzene | 15.82 | 146 | 594647 | 46.38 | ppb | 99 |
| 97) | n-butylbenzene | 15.87 | 91 | 1021303 | 49.42 | ppb | 99 |
| 98) | 1,2-dibromo-3-chloropropan | 16.30 | 75 | 42832 | 36.78 | ppb | 97 |
| 99) | 1,2,4-trichlorobenzene | 17.67 | 180 | 394901 | 42.88 | ppb | 99 |
| 100) | hexachlorobutadiene | 17.98 | 225 | 234634 | 45.62 | ppb | 99 |
| 101) | naphthalene | 17.95 | 128 | 759366 | 38.27 | ppb | 100 |
| 102) | 1,2,3-trichlorobenzene | 18.17 | 180 | 320869 | 39.90 | ppb | 98 |

(#) = qualifier out of range (m) = manual integration
G69231.D G042507W.M Mon Apr 30 10:16:38 2007 RP1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\G69231.D  Vial: 2
Acq On : 27 Apr 2007 7:52 pm  Operator: kimt
Sample : M64162-16MS  Inst : 5973 G
Misc : MS13447,MSG2784,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 10:16 2007  Quant Results File: G042507W.RES

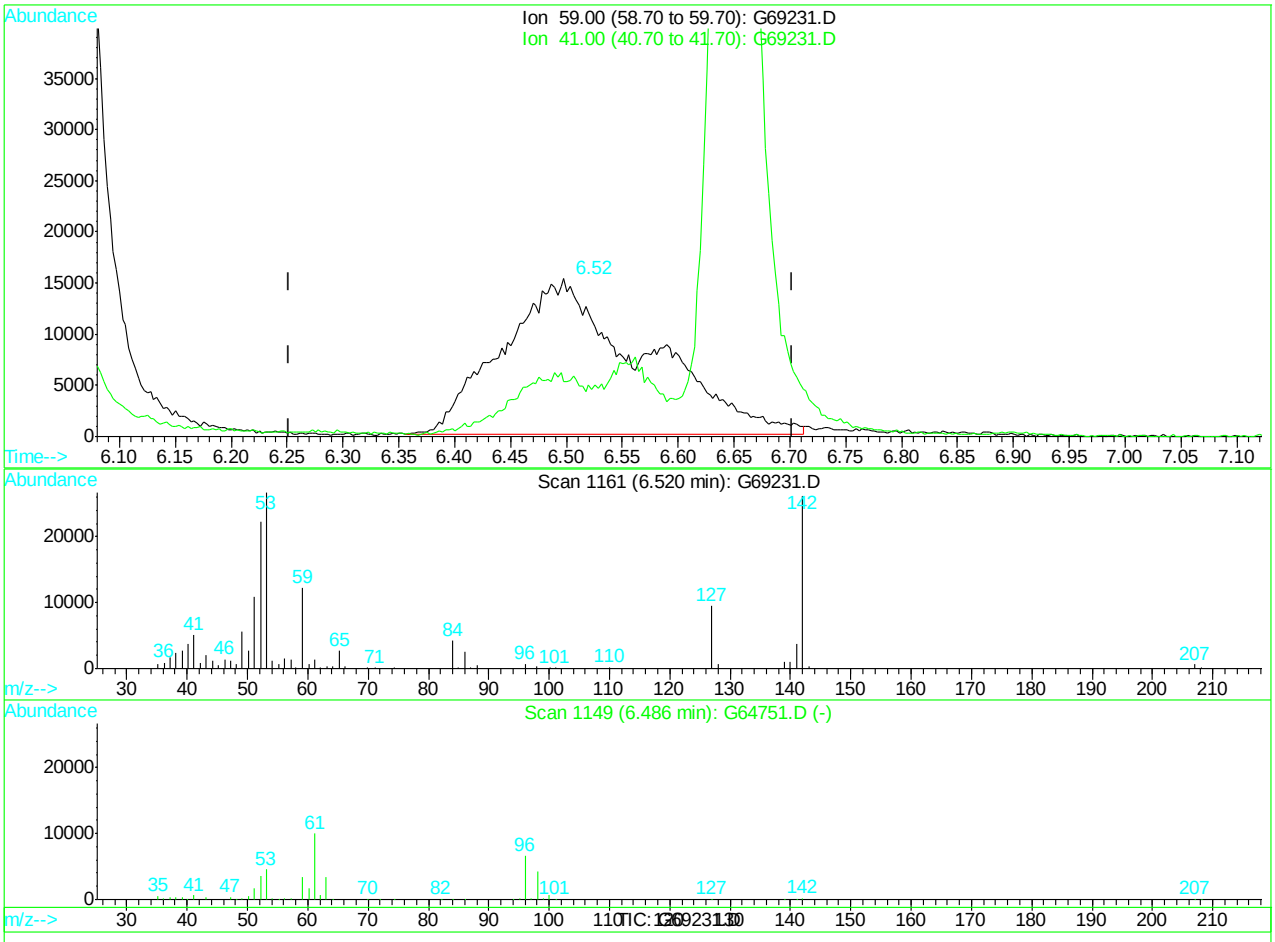
Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69231.D  Vial: 2
Acq On : 27 Apr 2007 7:52 pm  Operator: kimt
Sample : M64162-16MS  Inst : 5973 G
Misc : MS13447,MSG2784,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 10:01 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Multiple Level Calibration




(2) tertiary butyl alcohol (M)

6.52min 613.80ppb

response 134845

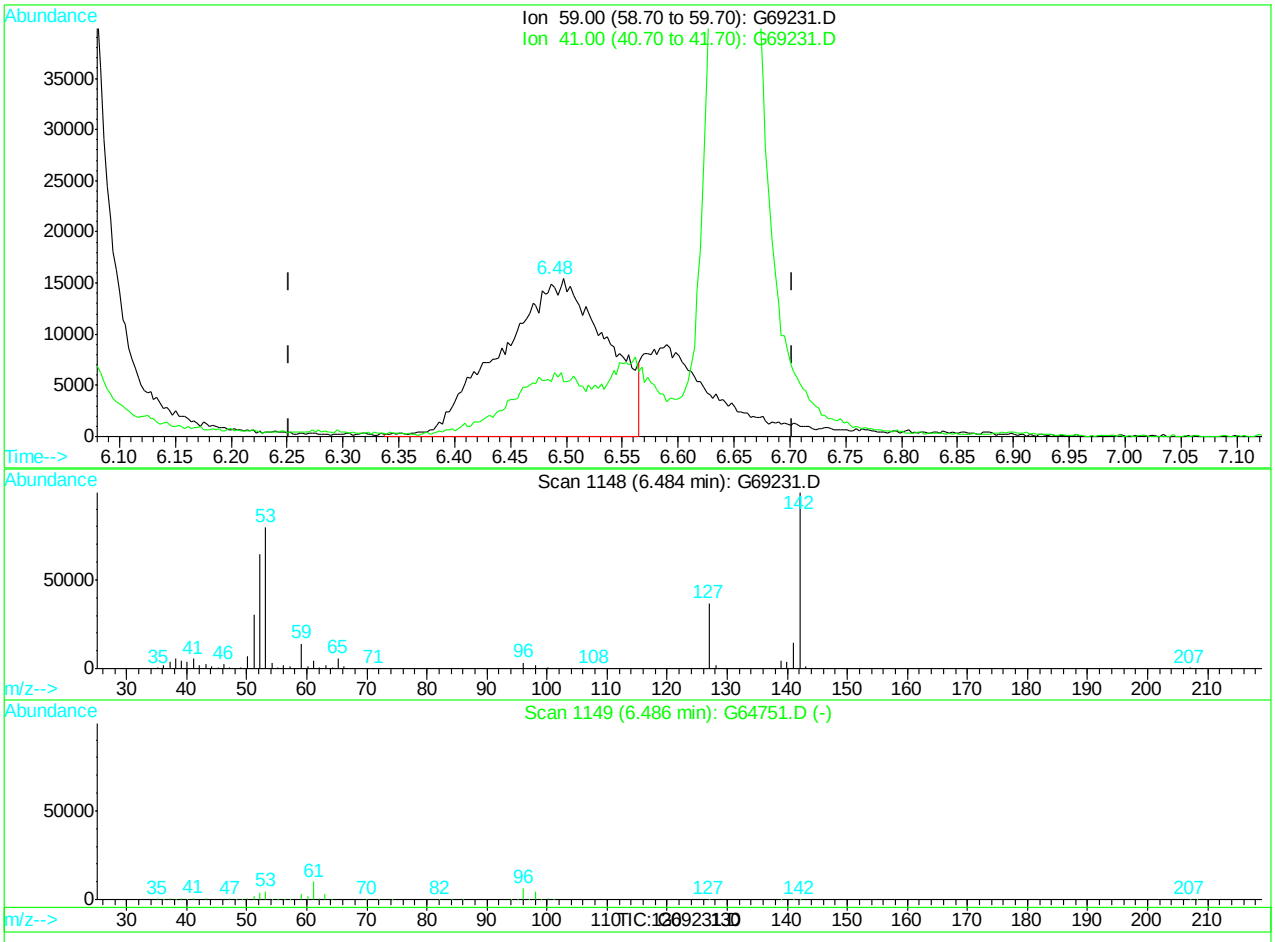
| Ion | Exp% | Act% |
|---|---|---|
| 59.00 | 100 | 100 |
| 41.00 | 34.40 | 39.78 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

G69231.D G042507W.M Mon Apr 30 10:07:32 2007 RP1

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69231.D  Vial: 2
Acq On : 27 Apr 2007 7:52 pm  Operator: kimt
Sample : M64162-16MS  Inst : 5973 G
Misc : MS13447,MSG2784,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 10:07 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Multiple Level Calibration




(2) tertiary butyl alcohol (M)

6.48min 461.39ppb m

response 101363

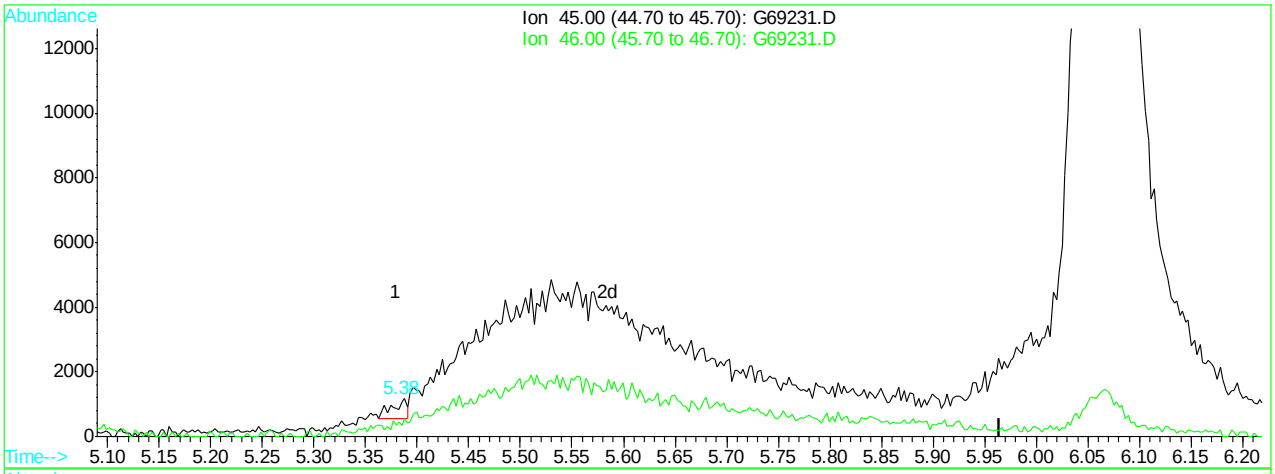
| Ion | Exp% | Act% |
|---|---|---|
| 59.00 | 100 | 100 |
| 41.00 | 34.40 | 40.15 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

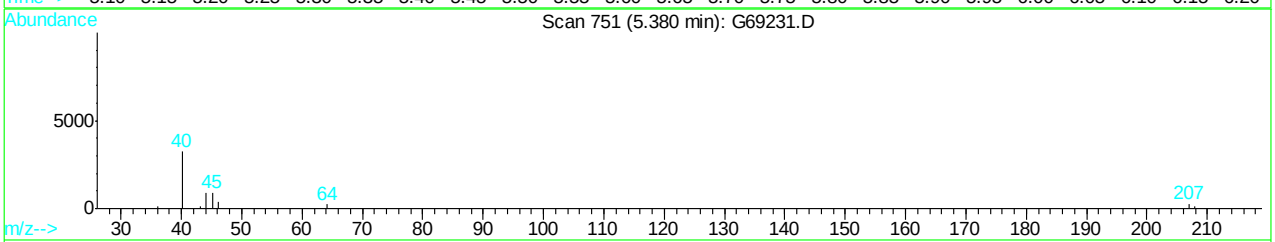
G69231.D G042507W.M Mon Apr 30 10:07:39 2007 RP1

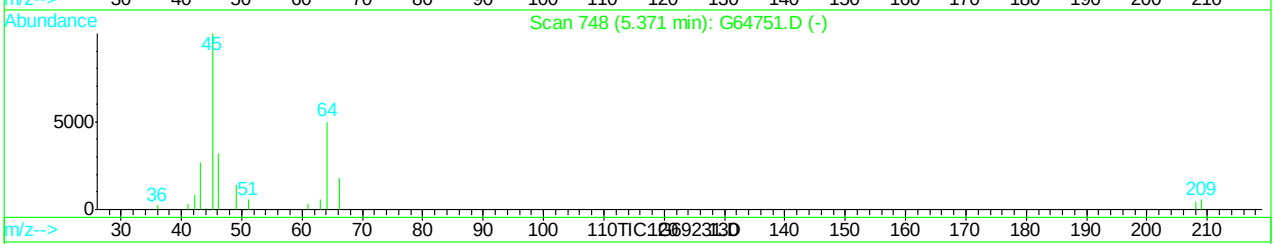
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69231.D  Vial: 2
Acq On : 27 Apr 2007 7:52 pm  Operator: kimt
Sample : M64162-16MS  Inst : 5973 G
Misc : MS13447,MSG2784,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 10:07 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Multiple Level Calibration




(4) Ethanol (T)

5.38min -156.03ppb

response 600

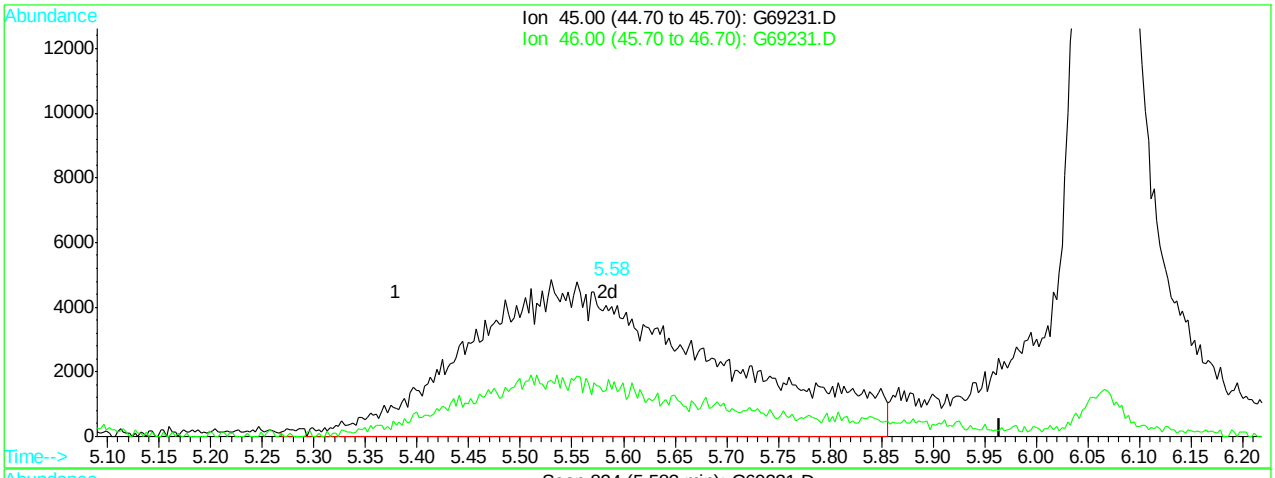
| Ion | Exp% | Act% |
|---|---|---|
| 45.00 | 100 | 100 |
| 46.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

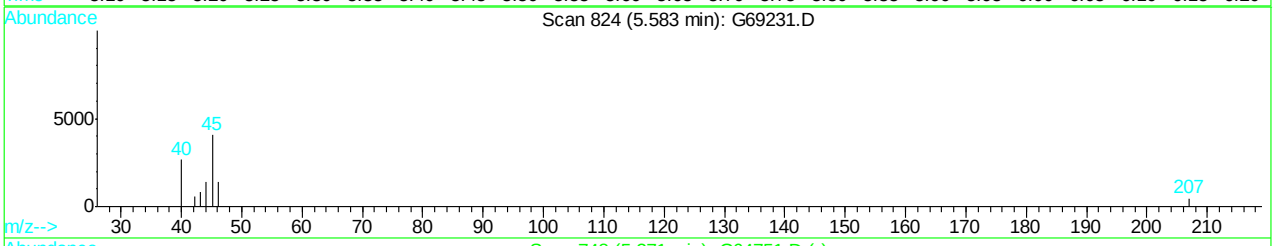
G69231.D G042507W.M Mon Apr 30 10:07:47 2007 RP1

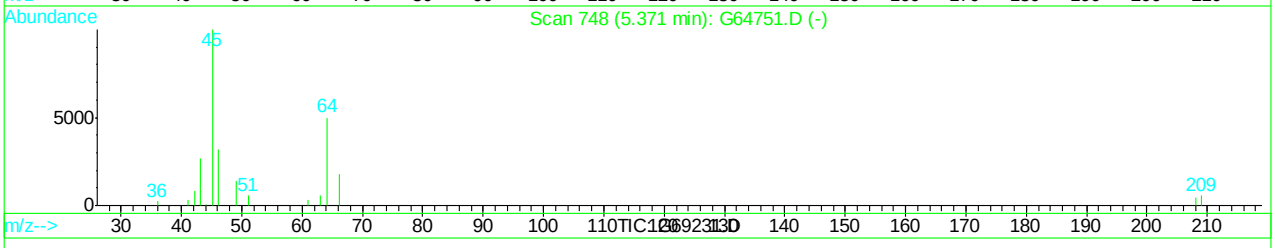
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69231.D  Vial: 2
Acq On : 27 Apr 2007 7:52 pm  Operator: kimt
Sample : M64162-16MS  Inst : 5973 G
Misc : MS13447,MSG2784,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 10:07 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Multiple Level Calibration




(4) Ethanol (T)

5.58min 3156.16ppb m

response 77964

| Ion | Exp% | Act% |
|---|---|---|
| 45.00 | 100 | 100 |
| 46.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

G69231.D G042507W.M Mon Apr 30 10:07:55 2007 RP1

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani 04/30/07 16:05

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69232.D Vial: 3
Acq On : 27 Apr 2007 8:18 pm Operator: kimt
Sample : M64162-16MSD Inst : 5973 G
Misc : MS13447,MSG2784,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 10:15 2007 Quant Results File: G042507W.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration
DataAcq Meth : G8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 6.41 | 65 | 113290 | 500.00 | ppb | 0.00 |
| 3) pentafluorobenzene | 8.74 | 168 | 484714 | 50.00 | ppb | 0.00 |
| 43) 1,4-difluorobenzene | 9.61 | 114 | 675859 | 50.00 | ppb | 0.00 |
| 66) chlorobenzene-d5 | 12.86 | 82 | 345077 | 50.00 | ppb | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 15.42 | 152 | 406135 | 50.00 | ppb | 0.00 |

System Monitoring Compounds

| | | | | | | |
|---|---|---|---|---|---|---|
| 40) dibromofluoromethane (s) | 8.38 | 113 | 211278 | 50.35 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 83 - 127 | | Recovery = 100.70% | | | |
| 60) toluene-d8 (s) | 11.40 | 98 | 810927 | 49.34 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 89 - 112 | | Recovery = 98.68% | | | |
| 82) bromofluorobenzene (s) | 14.09 | 95 | 326944 | 49.05 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 81 - 119 | | Recovery = 98.10% | | | |

| Target Compounds | | | | | | | Qvalue |
|---|---|---|---|---|---|---|---|
| 2) tertiary butyl alcohol | 6.47 | 59 | 126144m | 473.89 | ppb | | |
| 4) Ethanol | 5.51 | 45 | 114453m | 4583.87 | ppb | | |
| 5) dichlorodifluoromethane | 4.16 | 85 | 93927 | 19.56 | ppb | | 91 |
| 6) chloromethane | 4.35 | 50 | 249204 | 45.07 | ppb | | 99 |
| 7) vinyl chloride | 4.62 | 62 | 248339 | 47.45 | ppb | | 97 |
| 8) bromomethane | 5.08 | 96 | 189768 | 48.30 | ppb | | 95 |
| 9) chloroethane | 5.23 | 64 | 172308 | 49.08 | ppb | | 100 |
| 10) ethyl ether | 6.07 | 59 | 187948 | 47.47 | ppb | | 97 |
| 11) acetonitrile | 5.79 | 41 | 17069 | 40.44 | ppb | # | 1 |
| 12) trichlorofluoromethane | 5.88 | 101 | 286996 | 49.44 | ppb | | 93 |
| 13) freon-113 | 6.64 | 101 | 182899 | 45.42 | ppb | | 96 |
| 14) acrolein | 5.85 | 56 | 192318 | 242.97 | ppb | | 99 |
| 15) 1,1-dichloroethene | 6.42 | 96 | 218629 | 50.57 | ppb | | 100 |
| 16) acetone | 5.99 | 43 | 41970 | 34.49 | ppb | | 96 |
| 17) Methyl Acetate | 6.61 | 43 | 304068 | 46.29 | ppb | | 97 |
| 18) methylene chloride | 6.57 | 84 | 305881 | 58.48 | ppb | | 98 |
| 19) methyl tert butyl ether | 7.34 | 73 | 602524 | 46.14 | ppb | | 100 |
| 20) acrylonitrile | 6.49 | 53 | 424534 | 215.34 | ppb | | 98 |
| 21) allyl chloride | 6.65 | 41 | 360714 | 48.05 | ppb | | 100 |
| 22) trans-1,2-dichloroethene | 7.25 | 96 | 234690 | 48.28 | ppb | | 98 |
| 23) iodomethane | 6.48 | 142 | 382971 | 46.81 | ppb | | 99 |
| 24) carbon disulfide | 6.85 | 76 | 586246 | 42.47 | ppb | | 99 |
| 25) propionitrile | 6.48 | 54 | 14555 | 39.01 | ppb | | 100 |
| 26) vinyl acetate | 7.59 | 43 | 405106 | 46.61 | ppb | | 100 |
| 27) chloroprene | 7.86 | 53 | 311610 | 51.72 | ppb | | 97 |
| 28) di-isopropyl ether | 7.90 | 45 | 865271 | 49.86 | ppb | | 98 |
| 29) methacrylonitrile | 8.01 | 41 | 146756 | 42.98 | ppb | | 98 |
| 30) 2-butanone | 7.92 | 72 | 19793 | 33.48 | ppb | # | 36 |
| 31) Hexane | 7.88 | 41 | 343059 | 47.48 | ppb | | 99 |
| 32) 1,1-dichloroethane | 7.49 | 63 | 450320 | 53.04 | ppb | | 98 |
| 33) tert-butyl ethyl ether | 8.30 | 59 | 728660 | 49.42 | ppb | | 99 |
| 34) isobutyl alcohol | 8.32 | 43 | 115446 | 215.28 | ppb | | 93 |
| 35) 2,2-dichloropropane | 8.36 | 77 | 290800 | 53.52 | ppb | | 100 |
| 36) cis-1,2-dichloroethene | 8.06 | 96 | 381485 | 69.66 | ppb | | 97 |
| 37) ethyl acetate | 8.22 | 43 | 4004 | 33.16 | ppb | | 76 |

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69232.D Vial: 3
Acq On : 27 Apr 2007 8:18 pm Operator: kimt
Sample : M64162-16MSD Inst : 5973 G
Misc : MS13447,MSG2784,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 10:15 2007 Quant Results File: G042507W.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration
DataAcq Meth : G8260

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|---|---|---|---|---|---|---|
| 38) bromochloromethane | 8.23 | 128 | 127938 | 47.43 | ppb | 99 |
| 39) chloroform | 8.26 | 83 | 409309 | 48.96 | ppb | 98 |
| 41) Tetrahydrofuran | 8.62 | 42 | 85824 | 58.66 | ppb | 94 |
| 42) 1,1,1-trichloroethane | 9.02 | 97 | 343795 | 50.16 | ppb | 99 |
| 44) Cyclohexane | 9.30 | 56 | 383420 | 48.82 | ppb | 98 |
| 45) carbon tetrachloride | 9.38 | 117 | 314524 | 50.34 | ppb | 99 |
| 46) 1,1-dichloropropene | 9.18 | 75 | 302186 | 50.67 | ppb | 97 |
| 47) benzene | 9.41 | 78 | 940311 | 49.34 | ppb | 100 |
| 48) 1,2-dichloroethane | 8.91 | 62 | 278534 | 46.85 | ppb | 99 |
| 49) tert-amyl methyl ether | 9.54 | 73 | 636557 | 47.24 | ppb | 98 |
| 50) heptane | 9.89 | 43 | 324296 | 50.51 | ppb | 99 |
| 51) trichloroethene | 10.03 | 95 | 318014 | 67.58 | ppb | 95 |
| 52) 1,2-dichloropropane | 9.99 | 63 | 230101 | 48.18 | ppb | 100 |
| 53) dibromomethane | 9.97 | 93 | 138786 | 45.85 | ppb | 96 |
| 54) bromodichloromethane | 10.08 | 83 | 313297 | 46.96 | ppb | 97 |
| 55) Methylcyclohexane | 10.55 | 83 | 404387 | 50.95 | ppb | 97 |
| 57) methyl methacrylate | 10.18 | 69 | 145794 | 45.08 | ppb | 99 |
| 58) 1,4-dioxane | 10.27 | 88 | 6297 | 222.09 | ppb | 70 |
| 59) cis-1,3-dichloropropene | 10.70 | 75 | 361983 | 49.70 | ppb | 99 |
| 61) 4-methyl-2-pentanone | 10.79 | 43 | 210145 | 42.73 | ppb | 99 |
| 62) toluene | 11.48 | 92 | 599114 | 48.94 | ppb | 99 |
| 63) trans-1,3-dichloropropene | 11.12 | 75 | 301494 | 49.78 | ppb | 97 |
| 64) 1,1,2-trichloroethane | 11.29 | 83 | 167044 | 45.35 | ppb | 99 |
| 65) ethyl methacrylate | 11.50 | 69 | 297728 | 48.70 | ppb | 96 |
| 67) tetrachloroethene | 12.21 | 166 | 468767 | 80.55 | ppb | 97 |
| 68) 1,3-dichloropropane | 11.52 | 76 | 354471 | 46.99 | ppb | 99 |
| 69) dibromochloromethane | 11.81 | 129 | 249204 | 45.84 | ppb | 99 |
| 70) 1,2-dibromoethane | 12.06 | 107 | 207986 | 45.88 | ppb | 99 |
| 71) 2-hexanone | 11.65 | 43 | 144293 | 41.89 | ppb | 99 |
| 72) chlorobenzene | 12.89 | 112 | 693499 | 48.73 | ppb | 99 |
| 73) 1,1,1,2-tetrachloroethane | 12.81 | 131 | 246216 | 48.30 | ppb | 99 |
| 74) ethylbenzene | 13.07 | 91 | 1171459 | 51.30 | ppb | 98 |
| 75) m,p-xylene | 13.26 | 106 | 927843 | 102.03 | ppb | 97 |
| 76) o-xylene | 13.67 | 106 | 459648 | 50.60 | ppb | 99 |
| 77) styrene | 13.60 | 104 | 737984 | 49.96 | ppb | 99 |
| 78) bromoform | 13.42 | 173 | 191363 | 43.58 | ppb | 96 |
| 79) trans-1,4-dichloro-2-buten | 13.82 | 53 | 62384 | 44.62 | ppb | 96 |
| 81) isopropylbenzene | 14.03 | 105 | 1079846 | 49.83 | ppb | 100 |
| 83) bromobenzene | 14.32 | 156 | 342451 | 46.96 | ppb | 96 |
| 84) 1,1,2,2-tetrachloroethane | 13.67 | 83 | 278042 | 41.60 | ppb | 99 |
| 85) 1,2,3-trichloropropane | 13.82 | 75 | 291738 | 41.90 | ppb | 96 |
| 86) n-propylbenzene | 14.48 | 91 | 1440334 | 49.79 | ppb | 98 |
| 87) 2-chlorotoluene | 14.60 | 91 | 846965 | 48.22 | ppb | 97 |
| 88) 4-chlorotoluene | 14.67 | 91 | 858345 | 48.23 | ppb | 99 |
| 89) 1,3,5-trimethylbenzene | 14.76 | 105 | 1014185 | 48.85 | ppb | 98 |
| 90) tert-butylbenzene | 15.06 | 91 | 545334 | 49.86 | ppb | 99 |
| 91) 1,2,4-trimethylbenzene | 15.17 | 105 | 1042637 | 48.55 | ppb | 98 |
| 92) sec-butylbenzene | 15.28 | 105 | 1360053 | 49.85 | ppb | 100 |
| 93) 1,3-dichlorobenzene | 15.38 | 146 | 653673 | 47.39 | ppb | 98 |

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69232.D Vial: 3
Acq On : 27 Apr 2007 8:18 pm Operator: kimt
Sample : M64162-16MSD Inst : 5973 G
Misc : MS13447,MSG2784,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 10:15 2007 Quant Results File: G042507W.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration
DataAcq Meth : G8260

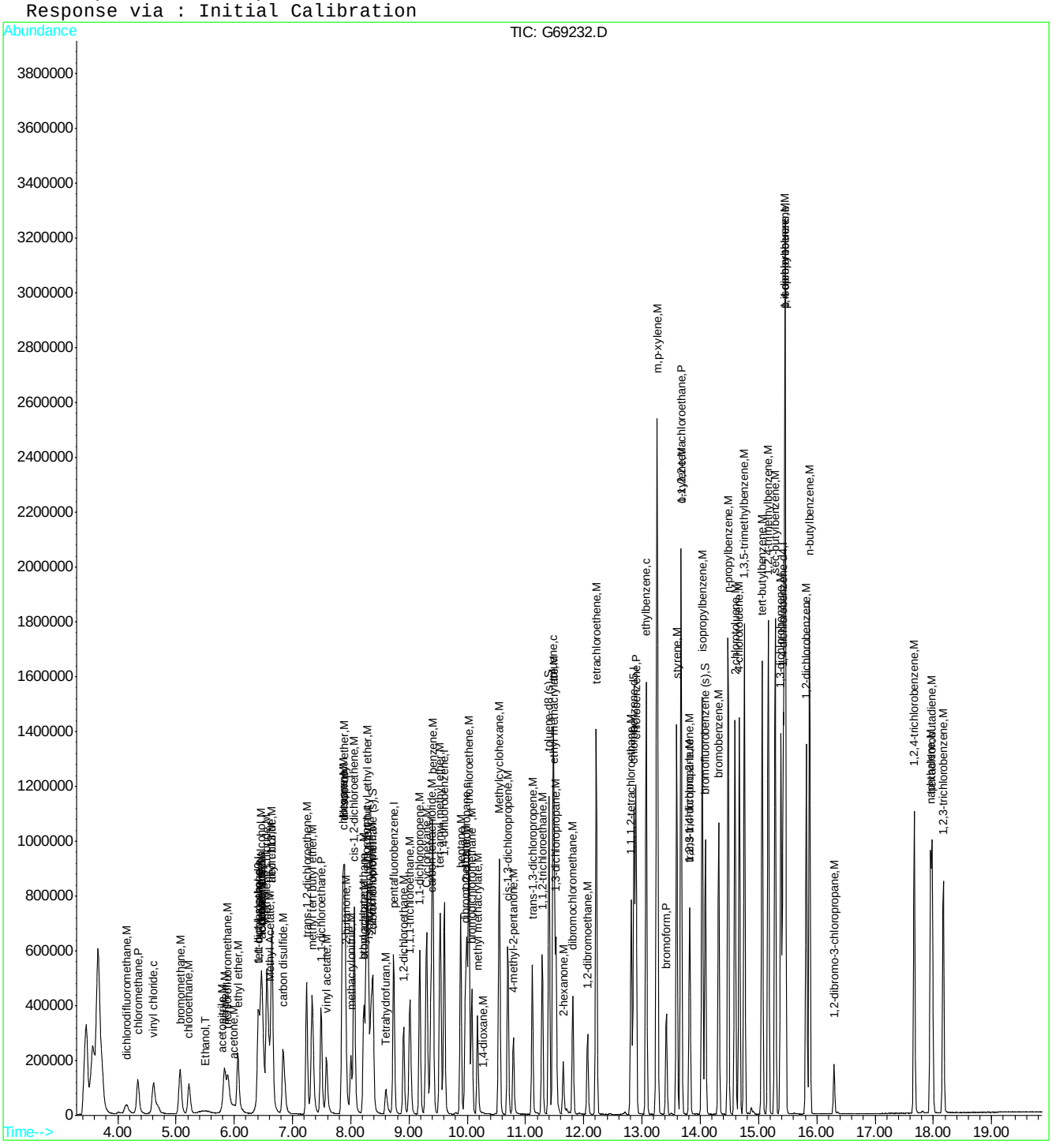
| | Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|---|---|---|---|---|---|---|---|
| 94) | p-isopropyltoluene | 15.46 | 119 | 1185975 | 49.39 | ppb | 99 |
| 95) | 1,4-dichlorobenzene | 15.45 | 146 | 679723 | 47.31 | ppb | 99 |
| 96) | 1,2-dichlorobenzene | 15.82 | 146 | 616836 | 46.70 | ppb | 99 |
| 97) | n-butylbenzene | 15.88 | 91 | 1067653 | 50.14 | ppb | 98 |
| 98) | 1,2-dibromo-3-chloropropan | 16.30 | 75 | 44142 | 36.79 | ppb | 94 |
| 99) | 1,2,4-trichlorobenzene | 17.67 | 180 | 408235 | 43.02 | ppb | 100 |
| 100) | hexachlorobutadiene | 17.98 | 225 | 243620 | 45.97 | ppb | 99 |
| 101) | naphthalene | 17.95 | 128 | 797994 | 39.03 | ppb | 100 |
| 102) | 1,2,3-trichlorobenzene | 18.17 | 180 | 335467 | 40.49 | ppb | 99 |

(#) = qualifier out of range (m) = manual integration
G69232.D G042507W.M Mon Apr 30 11:07:01 2007 RP1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\G69232.D Vial: 3
Acq On : 27 Apr 2007 8:18 pm Operator: kimt
Sample : M64162-16MSD Inst : 5973 G
Misc : MS13447,MSG2784,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 10:15 2007 Quant Results File: G042507W.RES

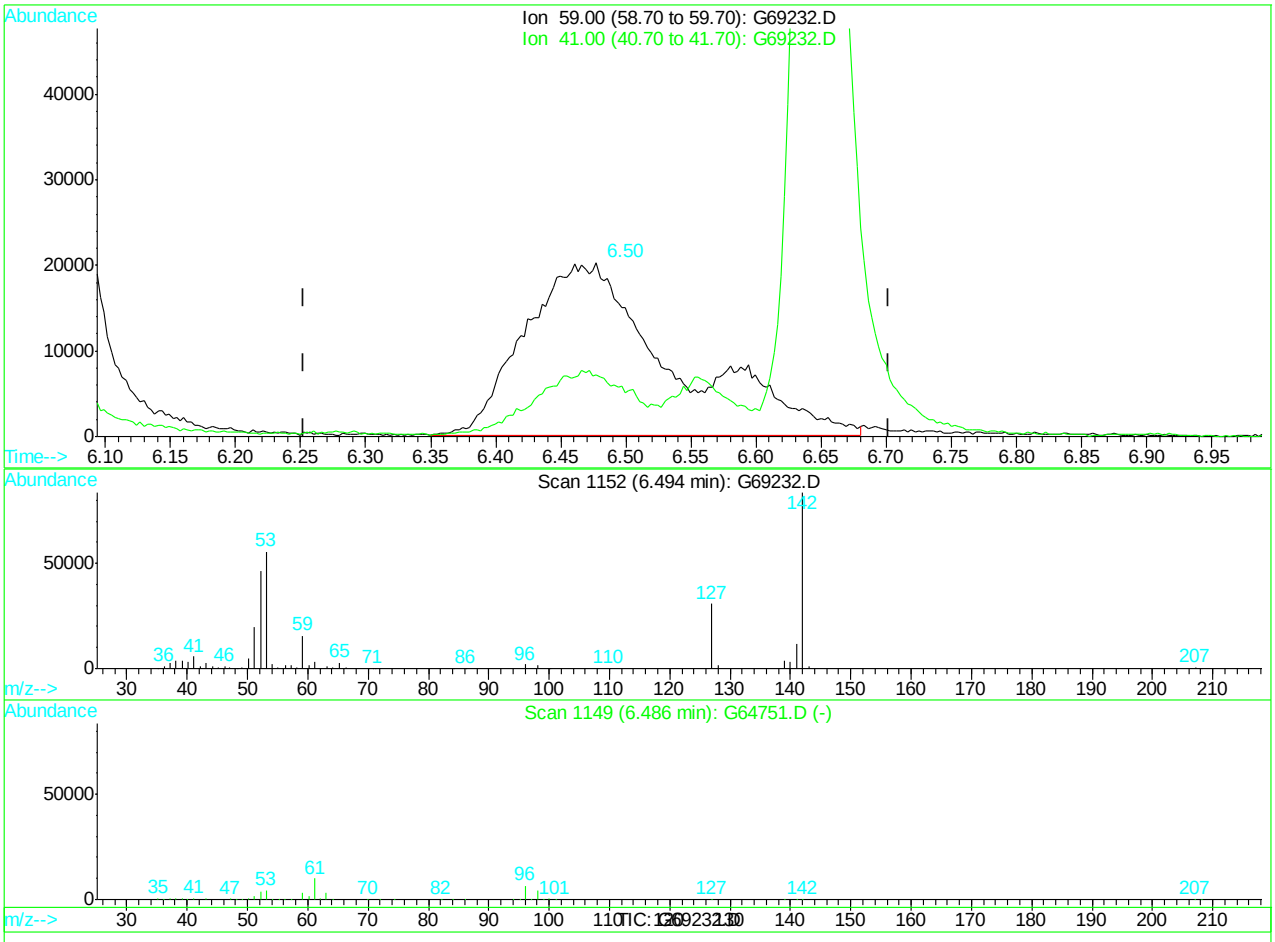
Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69232.D Vial: 3
Acq On : 27 Apr 2007 8:18 pm Operator: kimt
Sample : M64162-16MSD Inst : 5973 G
Misc : MS13447,MSG2784,,,,5,10 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 10:01 2007 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Multiple Level Calibration




(2) tertiary butyl alcohol (M)

6.50min 592.64ppb

response 157753

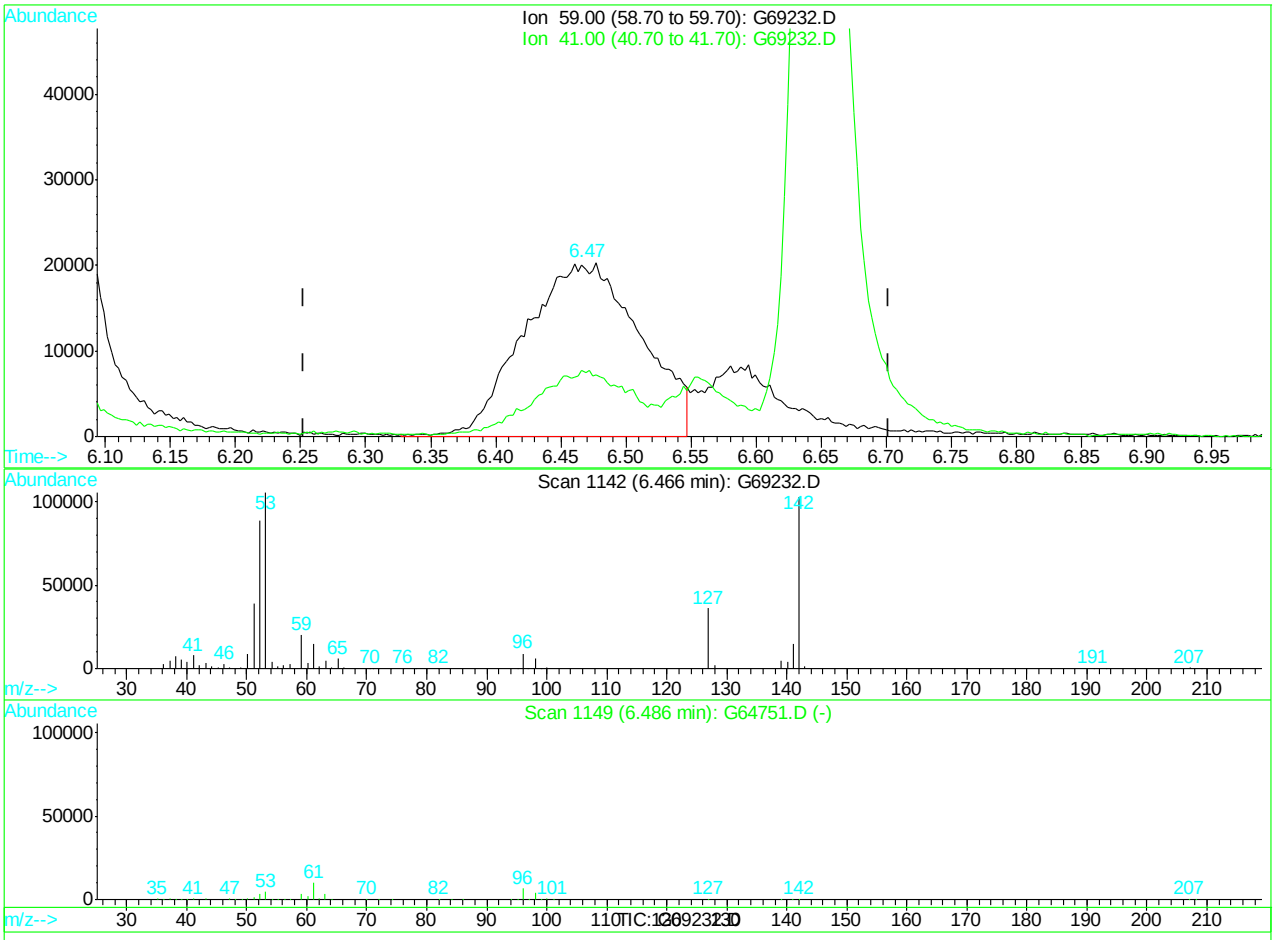
| Ion | Exp% | Act% |
|---|---|---|
| 59.00 | 100 | 100 |
| 41.00 | 34.40 | 36.45 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

G69232.D G042507W.M Mon Apr 30 10:14:30 2007 RP1

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69232.D  Vial: 3
Acq On : 27 Apr 2007 8:18 pm  Operator: kimt
Sample : M64162-16MSD  Inst : 5973 G
Misc : MS13447,MSG2784,,,,5,10  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 10:14 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Multiple Level Calibration




(2) tertiary butyl alcohol (M)

6.47min 473.89ppb m

response 126144

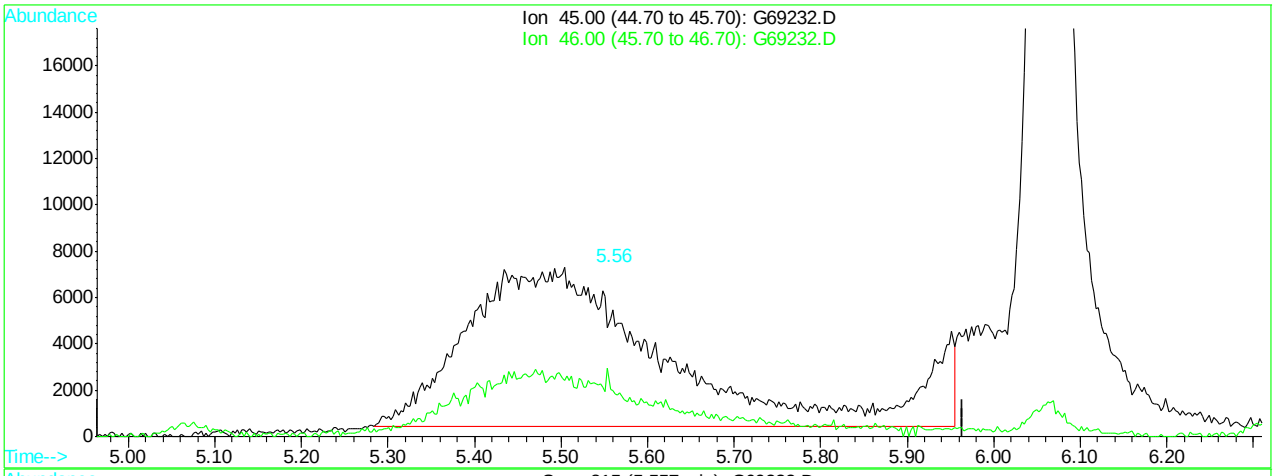
| Ion | Exp% | Act% |
|---|---|---|
| 59.00 | 100 | 100 |
| 41.00 | 34.40 | 38.87 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

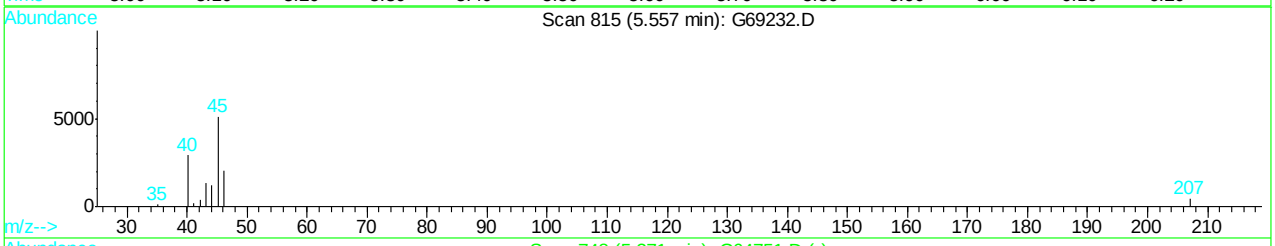
G69232.D G042507W.M Mon Apr 30 10:14:36 2007 RP1

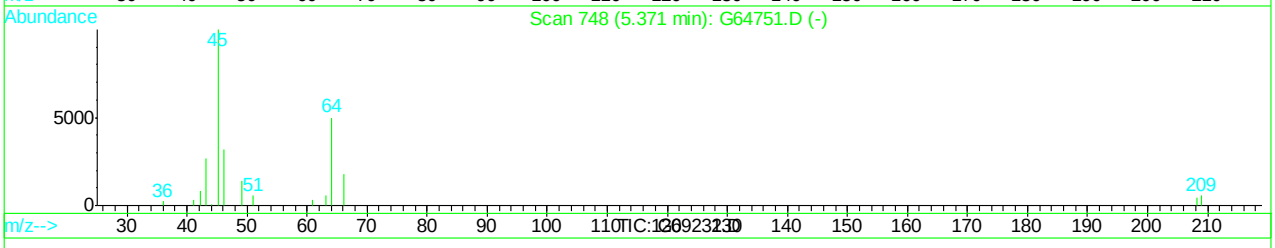
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69232.D  Vial: 3
Acq On : 27 Apr 2007 8:18 pm  Operator: kimt
Sample : M64162-16MSD  Inst : 5973 G
Misc : MS13447,MSG2784,,,,5,10  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 10:14 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Multiple Level Calibration




(4) Ethanol (T)

5.56min 4460.95ppb

response 111501

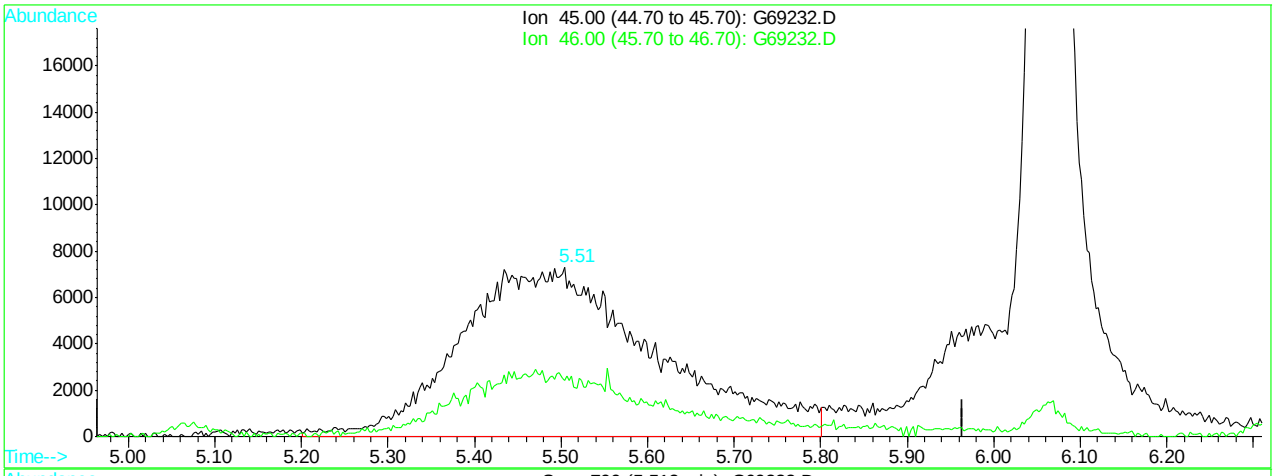
| Ion | Exp% | Act% |
|---|---|---|
| 45.00 | 100 | 100 |
| 46.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

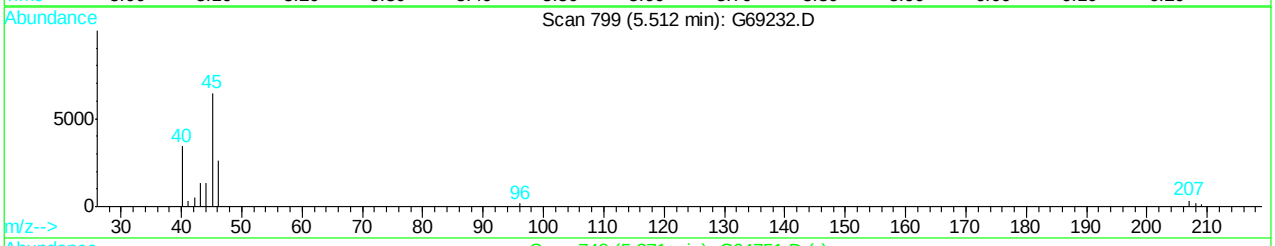
G69232.D G042507W.M Mon Apr 30 10:14:46 2007 RP1

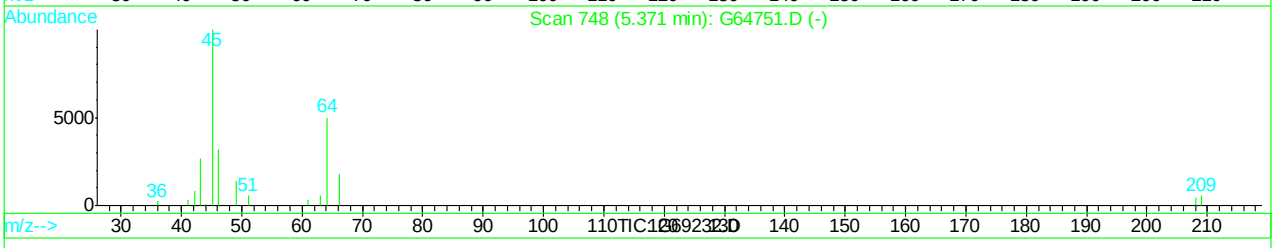
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69232.D  Vial: 3
Acq On : 27 Apr 2007 8:18 pm  Operator: kimt
Sample : M64162-16MSD  Inst : 5973 G
Misc : MS13447,MSG2784,,,,5,10  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 10:14 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Multiple Level Calibration




(4) Ethanol (T)

5.51min 4583.87ppb m

response 114453

| Ion | Exp% | Act% |
|---|---|---|
| 45.00 | 100 | 100 |
| 46.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

G69232.D G042507W.M Mon Apr 30 10:14:55 2007 RP1

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani
05/01/07 14:12

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69303.D Vial: 4
Acq On : 30 Apr 2007 8:42 pm Operator: kimt
Sample : M64143-3MS Inst : 5973 G
Misc : MS13447,MSG2785,,,,5,5 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 1 9:34 2007 Quant Results File: G042507W.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration
DataAcq Meth : G8260

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 6.36 | 65 | 130493 | 500.00 ppb | -0.05 |
| 3) pentafluorobenzene | 8.74 | 168 | 454960 | 50.00 ppb | 0.00 |
| 43) 1,4-difluorobenzene | 9.61 | 114 | 626557 | 50.00 ppb | 0.00 |
| 66) chlorobenzene-d5 | 12.86 | 82 | 322489 | 50.00 ppb | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 15.43 | 152 | 371101 | 50.00 ppb | 0.00 |

System Monitoring Compounds

| | | | | | |
|---|---|---|---|---|---|
| 40) dibromofluoromethane (s) | 8.38 | 113 | 192445 | 48.87 ppb | 0.00 |
| Spiked Amount 50.000 | Range 83 - 127 | | Recovery = 97.74% | | |
| 60) toluene-d8 (s) | 11.40 | 98 | 760852 | 49.93 ppb | 0.00 |
| Spiked Amount 50.000 | Range 89 - 112 | | Recovery = 99.86% | | |
| 82) bromofluorobenzene (s) | 14.09 | 95 | 302740 | 49.70 ppb | 0.00 |
| Spiked Amount 50.000 | Range 81 - 119 | | Recovery = 99.40% | | |

Target Compounds

| | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 2) tertiary butyl alcohol | 6.43 | 59 | 159013 | 518.62 ppb | | 90 |
| 4) Ethanol | 5.40 | 45 | 122946 | 5272.29 ppb | # | 100 |
| 5) dichlorodifluoromethane | 4.15 | 85 | 145345 | 32.25 ppb | | 92 |
| 6) chloromethane | 4.34 | 50 | 246849 | 47.57 ppb | | 99 |
| 7) vinyl chloride | 4.61 | 62 | 234161 | 47.67 ppb | | 94 |
| 8) bromomethane | 5.07 | 96 | 166478 | 45.14 ppb | | 100 |
| 9) chloroethane | 5.22 | 64 | 156745 | 47.57 ppb | | 97 |
| 10) ethyl ether | 6.07 | 59 | 167214 | 45.00 ppb | | 97 |
| 11) acetonitrile | 5.79 | 41 | 18436 | 44.62 ppb | # | 1 |
| 12) trichlorofluoromethane | 5.87 | 101 | 250956 | 46.06 ppb | | 93 |
| 13) freon-113 | 6.63 | 101 | 187383 | 49.57 ppb | | 95 |
| 14) acrolein | 5.84 | 56 | 204832 | 275.30 ppb | | 97 |
| 15) 1,1-dichloroethene | 6.42 | 96 | 199433 | 49.14 ppb | | 95 |
| 16) acetone | 5.97 | 43 | 64431m | 56.40 ppb | | |
| 17) Methyl Acetate | 6.61 | 43 | 229411 | 37.21 ppb | | 96 |
| 18) methylene chloride | 6.56 | 84 | 249244 | 50.68 ppb | | 96 |
| 19) methyl tert butyl ether | 7.34 | 73 | 611917 | 49.92 ppb | | 100 |
| 20) acrylonitrile | 6.48 | 53 | 428052 | 231.32 ppb | | 98 |
| 21) allyl chloride | 6.65 | 41 | 338694 | 48.06 ppb | | 100 |
| 22) trans-1,2-dichloroethene | 7.24 | 96 | 225207 | 49.36 ppb | | 97 |
| 23) iodomethane | 6.48 | 142 | 390421 | 50.84 ppb | | 98 |
| 24) carbon disulfide | 6.84 | 76 | 604001 | 46.62 ppb | | 100 |
| 25) propionitrile | 6.47 | 54 | 15611 | 44.57 ppb | | 100 |
| 26) vinyl acetate | 7.60 | 43 | 230815 | 28.29 ppb | | 97 |
| 27) chloroprene | 7.85 | 53 | 290885 | 51.44 ppb | | 94 |
| 28) di-isopropyl ether | 7.90 | 45 | 729344 | 44.78 ppb | | 92 |
| 29) methacrylonitrile | 8.01 | 41 | 135367 | 42.24 ppb | | 99 |
| 30) 2-butanone | 7.92 | 72 | 24538 | 43.09 ppb | # | 53 |
| 31) Hexane | 7.88 | 41 | 296157 | 43.67 ppb | | 86 |
| 32) 1,1-dichloroethane | 7.49 | 63 | 389236 | 48.85 ppb | | 100 |
| 33) tert-butyl ethyl ether | 8.30 | 59 | 642513 | 46.43 ppb | | 99 |
| 34) isobutyl alcohol | 8.31 | 43 | 109087 | 216.73 ppb | # | 37 |
| 35) 2,2-dichloropropane | 8.36 | 77 | 258275 | 50.65 ppb | | 100 |
| 36) cis-1,2-dichloroethene | 8.06 | 96 | 239424 | 46.58 ppb | | 94 |
| 37) ethyl acetate | 8.21 | 43 | 166048 | 1807.37 ppb | | 86 |

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69303.D Vial: 4
Acq On : 30 Apr 2007 8:42 pm Operator: kimt
Sample : M64143-3MS Inst : 5973 G
Misc : MS13447,MSG2785,,,,5,5 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 1 9:34 2007 Quant Results File: G042507W.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration
DataAcq Meth : G8260

| | Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|---|---|---|---|---|---|---|---|
| 38) | bromochloromethane | 8.22 | 128 | 124847 | 49.31 | ppb | 94 |
| 39) | chloroform | 8.26 | 83 | 378673 | 48.26 | ppb | 97 |
| 41) | Tetrahydrofuran | 8.61 | 42 | 61605 | 44.86 | ppb | 98 |
| 42) | 1,1,1-trichloroethane | 9.02 | 97 | 321881 | 50.03 | ppb | 97 |
| 44) | Cyclohexane | 9.31 | 56 | 388837 | 53.41 | ppb | 98 |
| 45) | carbon tetrachloride | 9.38 | 117 | 299070 | 51.63 | ppb | 98 |
| 46) | 1,1-dichloropropene | 9.18 | 75 | 280713 | 50.78 | ppb | 97 |
| 47) | benzene | 9.41 | 78 | 879512 | 49.78 | ppb | 99 |
| 48) | 1,2-dichloroethane | 8.91 | 62 | 266187 | 48.29 | ppb | 98 |
| 49) | tert-amyl methyl ether | 9.54 | 73 | 563593 | 45.12 | ppb | 99 |
| 50) | heptane | 9.89 | 43 | 283666 | 47.65 | ppb | 99 |
| 51) | trichloroethene | 10.03 | 95 | 217273 | 49.81 | ppb | 94 |
| 52) | 1,2-dichloropropane | 9.99 | 63 | 216644 | 48.93 | ppb | 98 |
| 53) | dibromomethane | 9.97 | 93 | 133230 | 47.47 | ppb | 94 |
| 54) | bromodichloromethane | 10.08 | 83 | 285286 | 46.12 | ppb | 97 |
| 55) | Methylcyclohexane | 10.55 | 83 | 390413 | 53.06 | ppb | 96 |
| 57) | methyl methacrylate | 10.18 | 69 | 145368 | 48.48 | ppb | 99 |
| 58) | 1,4-dioxane | 10.23 | 88 | 7263 | 275.25 | ppb | 70 |
| 59) | cis-1,3-dichloropropene | 10.70 | 75 | 346554 | 51.32 | ppb | 96 |
| 61) | 4-methyl-2-pentanone | 10.79 | 43 | 214686 | 47.08 | ppb | 98 |
| 62) | toluene | 11.48 | 92 | 571544 | 50.36 | ppb | 97 |
| 63) | trans-1,3-dichloropropene | 11.12 | 75 | 297356 | 52.96 | ppb | 97 |
| 64) | 1,1,2-trichloroethane | 11.29 | 83 | 168832 | 49.44 | ppb | 97 |
| 65) | ethyl methacrylate | 11.50 | 69 | 289459 | 51.08 | ppb | 96 |
| 67) | tetrachloroethene | 12.22 | 166 | 279219 | 51.34 | ppb | 97 |
| 68) | 1,3-dichloropropane | 11.52 | 76 | 350878 | 49.77 | ppb | 100 |
| 69) | dibromochloromethane | 11.81 | 129 | 239585 | 47.15 | ppb | 100 |
| 70) | 1,2-dibromoethane | 12.07 | 107 | 211831 | 50.00 | ppb | 96 |
| 71) | 2-hexanone | 11.66 | 43 | 161789 | 50.26 | ppb | 99 |
| 72) | chlorobenzene | 12.90 | 112 | 648775 | 48.78 | ppb | 98 |
| 73) | 1,1,1,2-tetrachloroethane | 12.82 | 131 | 243254 | 51.06 | ppb | 100 |
| 74) | ethylbenzene | 13.07 | 91 | 1104509 | 51.76 | ppb | 100 |
| 75) | m,p-xylene | 13.26 | 106 | 881747 | 103.76 | ppb | 97 |
| 76) | o-xylene | 13.67 | 106 | 431636 | 50.85 | ppb | 99 |
| 77) | styrene | 13.60 | 104 | 716012 | 51.87 | ppb | 98 |
| 78) | bromoform | 13.42 | 173 | 193451 | 47.14 | ppb | 98 |
| 79) | trans-1,4-dichloro-2-buten | 13.82 | 53 | 66047 | 50.55 | ppb | 99 |
| 81) | isopropylbenzene | 14.03 | 105 | 1010828 | 51.05 | ppb | 100 |
| 83) | bromobenzene | 14.32 | 156 | 329885 | 49.51 | ppb | 95 |
| 84) | 1,1,2,2-tetrachloroethane | 13.67 | 83 | 281881 | 46.15 | ppb | 100 |
| 85) | 1,2,3-trichloropropane | 13.82 | 75 | 301907 | 47.46 | ppb | 100 |
| 86) | n-propylbenzene | 14.48 | 91 | 1351026 | 51.11 | ppb | 99 |
| 87) | 2-chlorotoluene | 14.59 | 91 | 1169466 | 72.86 | ppb | 87 |
| 88) | 4-chlorotoluene | 14.67 | 91 | 953678 | 58.65 | ppb | 99 |
| 89) | 1,3,5-trimethylbenzene | 14.76 | 105 | 3753201 | 197.86 | ppb | 97 |
| 90) | tert-butylbenzene | 15.06 | 91 | 503120 | 50.34 | ppb | 99 |
| 91) | 1,2,4-trimethylbenzene | 15.17 | 105 | 4376011 | 223.00 | ppb | 99 |
| 92) | sec-butylbenzene | 15.29 | 105 | 1258138 | 50.46 | ppb | 99 |
| 93) | 1,3-dichlorobenzene | 15.39 | 146 | 603242 | 47.86 | ppb | 98 |

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69303.D Vial: 4
Acq On : 30 Apr 2007 8:42 pm Operator: kimt
Sample : M64143-3MS Inst : 5973 G
Misc : MS13447,MSG2785,,,,5,5 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 1 9:34 2007 Quant Results File: G042507W.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration
DataAcq Meth : G8260

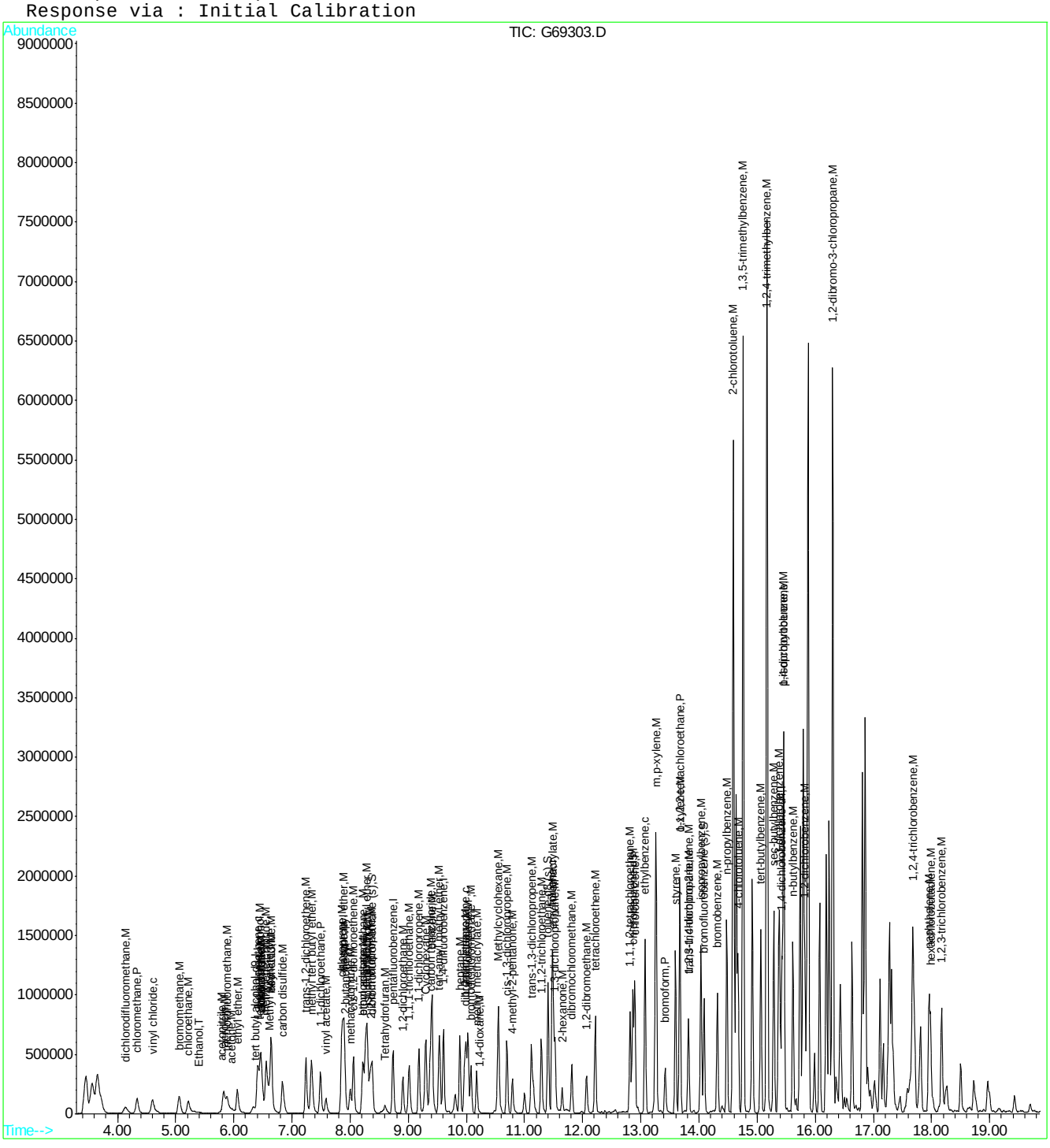
| | Compound | R.T. | QIon | Response | Conc Unit | | Qvalue |
|---|---|---|---|---|---|---|---|
| 94) | p-isopropyltoluene | 15.46 | 119 | 1249857 | 56.96 ppb | | 98 |
| 95) | 1,4-dichlorobenzene | 15.45 | 146 | 620324 | 47.25 ppb | | 99 |
| 96) | 1,2-dichlorobenzene | 15.82 | 146 | 569782 | 47.21 ppb | | 100 |
| 97) | n-butylbenzene | 15.62 | 91 | 79635 | 4.09 ppb | | 48 |
| 98) | 1,2-dibromo-3-chloropropan | 16.30 | 75 | 68839 | 62.80 ppb | # | 75 |
| 99) | 1,2,4-trichlorobenzene | 17.67 | 180 | 396831 | 45.77 ppb | | 97 |
| 100) | hexachlorobutadiene | 17.98 | 225 | 205611 | 42.46 ppb | | 99 |
| 101) | naphthalene | 17.96 | 128 | 840239 | 44.98 ppb | | 100 |
| 102) | 1,2,3-trichlorobenzene | 18.17 | 180 | 324771 | 42.90 ppb | | 100 |
| 103) | 2-Methylnaphthalene | 19.43 | 142 | 74174 | Below Cal | | 88 |

(#) = qualifier out of range (m) = manual integration
G69303.D G042507W.M Tue May 01 12:21:43 2007 RP1

# Quantitation Report

Data File : C:\HPCHEM\1\DATA\G69303.D  Vial: 4
Acq On : 30 Apr 2007 8:42 pm  Operator: kimt
Sample : M64143-3MS  Inst : 5973 G
Misc : MS13447,MSG2785,,,,5,5  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 1 9:34 2007  Quant Results File: G042507W.RES

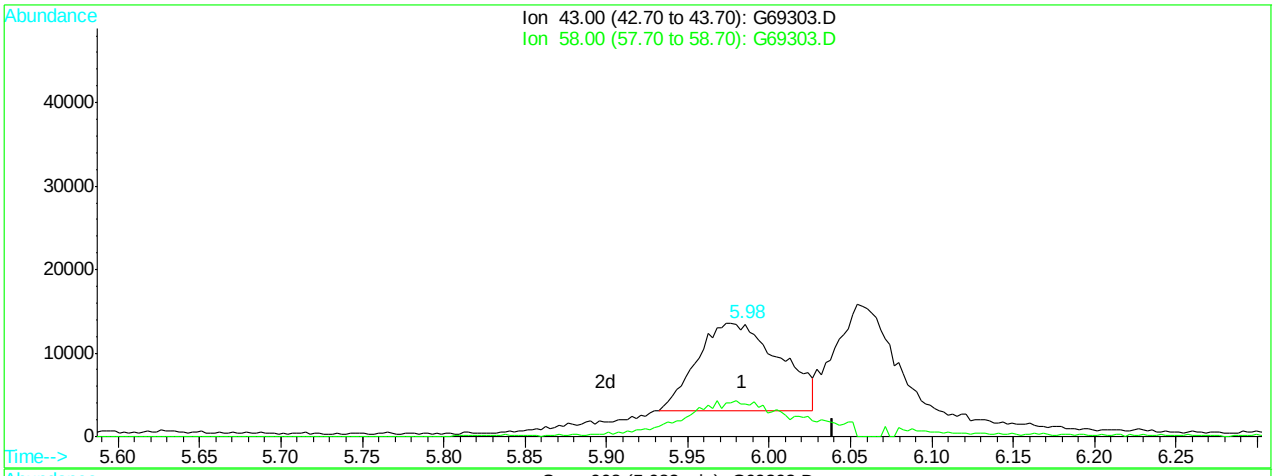
Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration

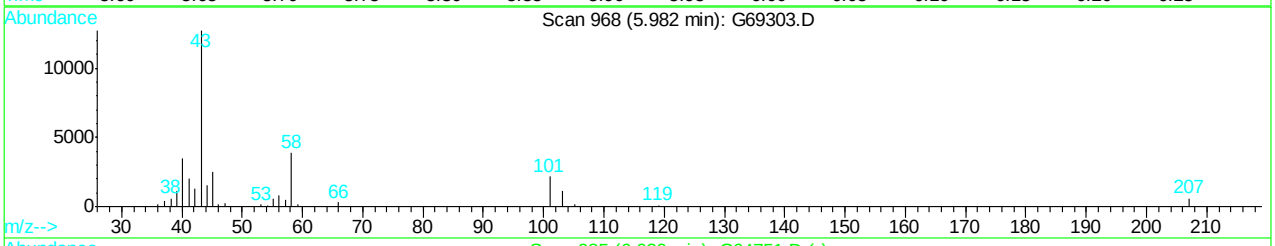


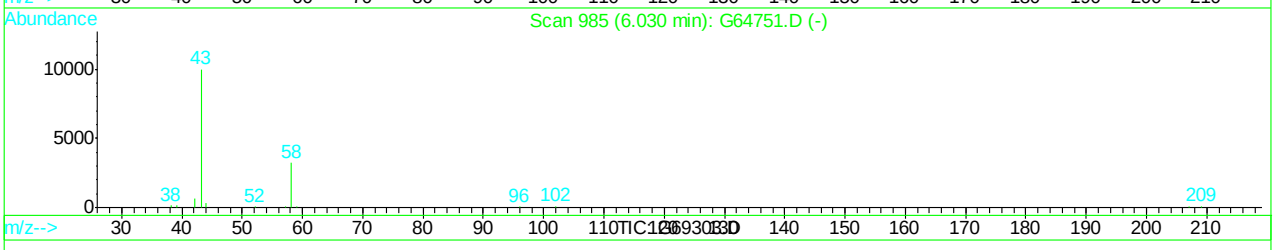
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69303.D  Vial: 4
Acq On : 30 Apr 2007 8:42 pm  Operator: kimt
Sample : M64162-3MS  Inst : 5973 G
Misc : MS13447,MSG2785,,,,5,5  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 1 9:11 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Multiple Level Calibration




(16) acetone (M)

5.98min 32.41ppb

response 37025

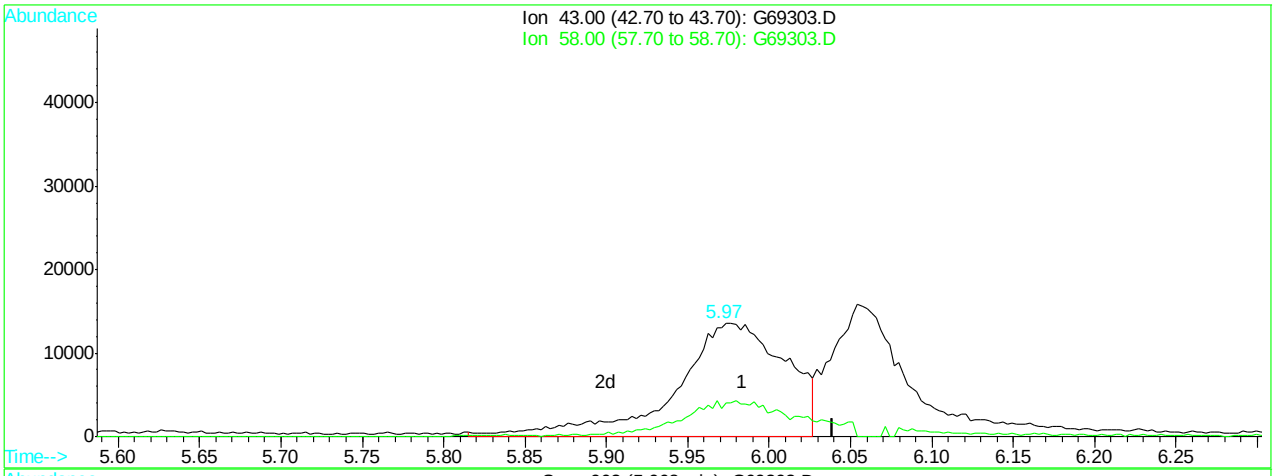
| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 58.00 | 28.80 | 27.43 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

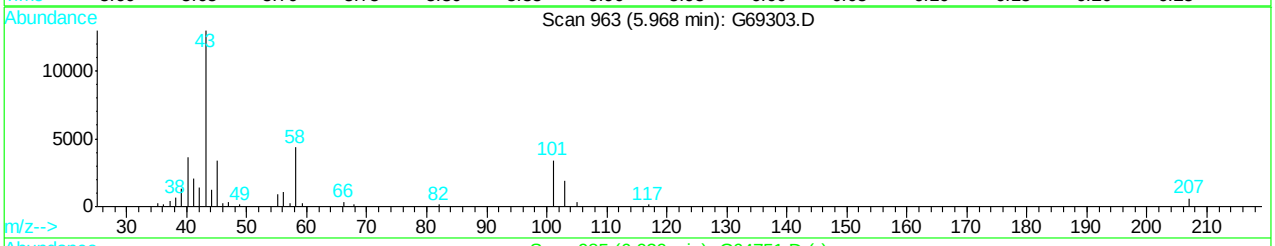
G69303.D G042507W.M Tue May 01 09:33:24 2007 RP1

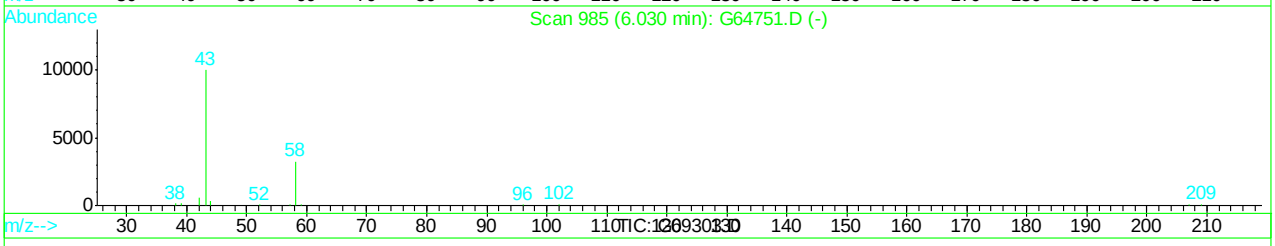
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69303.D  Vial: 4
Acq On : 30 Apr 2007 8:42 pm  Operator: kimt
Sample : M64162-3MS  Inst : 5973 G
Misc : MS13447,MSG2785,,,,5,5  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 1 9:33 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Multiple Level Calibration




(16) acetone (M)

5.97min 56.40ppb m

response 64431

| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 58.00 | 28.80 | 33.63 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

G69303.D G042507W.M Tue May 01 09:33:31 2007 RP1

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani
05/01/07 14:12

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69304.D Vial: 5
Acq On : 30 Apr 2007 9:08 pm Operator: kimt
Sample : M64143-3MSD Inst : 5973 G
Misc : MS13447,MSG2785,,,,5,5 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 1 9:36 2007 Quant Results File: G042507W.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration
DataAcq Meth : G8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 6.37 | 65 | 135469 | 500.00 | ppb | -0.05 |
| 3) pentafluorobenzene | 8.74 | 168 | 471256 | 50.00 | ppb | 0.00 |
| 43) 1,4-difluorobenzene | 9.61 | 114 | 644422 | 50.00 | ppb | 0.00 |
| 66) chlorobenzene-d5 | 12.86 | 82 | 321660 | 50.00 | ppb | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 15.42 | 152 | 379600 | 50.00 | ppb | 0.00 |

System Monitoring Compounds

| | | | | | | |
|---|---|---|---|---|---|---|
| 40) dibromofluoromethane (s) | 8.38 | 113 | 198645 | 48.70 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 83 - 127 | | Recovery = 97.40% | | | |
| 60) toluene-d8 (s) | 11.40 | 98 | 766622 | 48.92 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 89 - 112 | | Recovery = 97.84% | | | |
| 82) bromofluorobenzene (s) | 14.09 | 95 | 305831 | 49.09 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 81 - 119 | | Recovery = 98.18% | | | |

Target Compounds

| | | | | | | | Qvalue |
|---|---|---|---|---|---|---|---|
| 2) tertiary butyl alcohol | 6.44 | 59 | 158699 | 498.58 | ppb | | 91 |
| 4) Ethanol | 5.42 | 45 | 122958m | 5084.21 | ppb | | |
| 5) dichlorodifluoromethane | 4.14 | 85 | 156272 | 33.47 | ppb | | 97 |
| 6) chloromethane | 4.34 | 50 | 249700 | 46.45 | ppb | | 97 |
| 7) vinyl chloride | 4.61 | 62 | 237791 | 46.73 | ppb | | 94 |
| 8) bromomethane | 5.07 | 96 | 171385 | 44.87 | ppb | | 95 |
| 9) chloroethane | 5.22 | 64 | 160584 | 47.05 | ppb | | 99 |
| 10) ethyl ether | 6.07 | 59 | 170044 | 44.18 | ppb | | 96 |
| 11) acetonitrile | 5.78 | 41 | 21418 | 48.49 | ppb | # | 1 |
| 12) trichlorofluoromethane | 5.87 | 101 | 260521 | 46.16 | ppb | | 99 |
| 13) freon-113 | 6.63 | 101 | 202431 | 51.70 | ppb | | 96 |
| 14) acrolein | 5.84 | 56 | 210514 | 273.18 | ppb | | 99 |
| 15) 1,1-dichloroethene | 6.42 | 96 | 201625 | 47.97 | ppb | | 97 |
| 16) acetone | 5.97 | 43 | 64936m | 54.88 | ppb | | |
| 17) Methyl Acetate | 6.61 | 43 | 238702 | 37.38 | ppb | | 95 |
| 18) methylene chloride | 6.56 | 84 | 253549 | 49.77 | ppb | | 97 |
| 19) methyl tert butyl ether | 7.34 | 73 | 629681 | 49.60 | ppb | | 100 |
| 20) acrylonitrile | 6.48 | 53 | 444884 | 232.10 | ppb | | 99 |
| 21) allyl chloride | 6.65 | 41 | 346385 | 47.46 | ppb | | 97 |
| 22) trans-1,2-dichloroethene | 7.24 | 96 | 231317 | 48.94 | ppb | | 98 |
| 23) iodomethane | 6.48 | 142 | 398706 | 50.12 | ppb | | 98 |
| 24) carbon disulfide | 6.84 | 76 | 615016 | 45.83 | ppb | | 99 |
| 25) propionitrile | 6.46 | 54 | 15676 | 43.21 | ppb | | 100 |
| 26) vinyl acetate | 7.60 | 43 | 243128 | 28.77 | ppb | | 99 |
| 27) chloroprene | 7.85 | 53 | 292855 | 50.00 | ppb | | 93 |
| 28) di-isopropyl ether | 7.90 | 45 | 743949 | 44.10 | ppb | | 93 |
| 29) methacrylonitrile | 8.01 | 41 | 139555 | 42.04 | ppb | | 97 |
| 30) 2-butanone | 7.92 | 72 | 26830 | 45.29 | ppb | # | 67 |
| 31) Hexane | 7.88 | 41 | 310097 | 44.14 | ppb | | 91 |
| 32) 1,1-dichloroethane | 7.49 | 63 | 390867 | 47.36 | ppb | | 99 |
| 33) tert-butyl ethyl ether | 8.30 | 59 | 660605 | 46.08 | ppb | | 99 |
| 34) isobutyl alcohol | 8.32 | 43 | 122156 | 234.30 | ppb | # | 44 |
| 35) 2,2-dichloropropane | 8.35 | 77 | 256536 | 48.57 | ppb | | 99 |
| 36) cis-1,2-dichloroethene | 8.06 | 96 | 243685 | 45.77 | ppb | | 90 |
| 37) ethyl acetate | 8.21 | 43 | 170362 | 1790.13 | ppb | | 86 |

(#) = qualifier out of range (m) = manual integration
G69304.D G042507W.M Tue May 01 12:22:09 2007 RP1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69304.D Vial: 5
Acq On : 30 Apr 2007 9:08 pm Operator: kimt
Sample : M64143-3MSD Inst : 5973 G
Misc : MS13447,MSG2785,,,,5,5 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 1 9:36 2007 Quant Results File: G042507W.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration
DataAcq Meth : G8260

| | Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|---|---|---|---|---|---|---|---|
| 38) | bromochloromethane | 8.22 | 128 | 126976 | 48.42 | ppb | 95 |
| 39) | chloroform | 8.26 | 83 | 383096 | 47.14 | ppb | 98 |
| 41) | Tetrahydrofuran | 8.61 | 42 | 65233 | 45.86 | ppb | 88 |
| 42) | 1,1,1-trichloroethane | 9.02 | 97 | 321145 | 48.19 | ppb | 97 |
| 44) | Cyclohexane | 9.31 | 56 | 413449 | 55.22 | ppb | 99 |
| 45) | carbon tetrachloride | 9.38 | 117 | 298250 | 50.06 | ppb | 98 |
| 46) | 1,1-dichloropropene | 9.18 | 75 | 287935 | 50.64 | ppb | 96 |
| 47) | benzene | 9.41 | 78 | 888336 | 48.89 | ppb | 99 |
| 48) | 1,2-dichloroethane | 8.91 | 62 | 271096 | 47.82 | ppb | 99 |
| 49) | tert-amyl methyl ether | 9.54 | 73 | 585829 | 45.60 | ppb | 98 |
| 50) | heptane | 9.89 | 43 | 300879 | 49.15 | ppb | 99 |
| 51) | trichloroethene | 10.03 | 95 | 221006 | 49.26 | ppb | 91 |
| 52) | 1,2-dichloropropane | 9.99 | 63 | 220097 | 48.33 | ppb | 98 |
| 53) | dibromomethane | 9.96 | 93 | 135287 | 46.87 | ppb | 95 |
| 54) | bromodichloromethane | 10.08 | 83 | 284492 | 44.72 | ppb | 96 |
| 55) | Methylcyclohexane | 10.55 | 83 | 420704 | 55.59 | ppb | 95 |
| 57) | methyl methacrylate | 10.18 | 69 | 147404 | 47.80 | ppb | 97 |
| 58) | 1,4-dioxane | 10.24 | 88 | 8276 | 304.47 | ppb | 61 |
| 59) | cis-1,3-dichloropropene | 10.70 | 75 | 346469 | 49.89 | ppb | 97 |
| 61) | 4-methyl-2-pentanone | 10.79 | 43 | 218067 | 46.50 | ppb | 97 |
| 62) | toluene | 11.48 | 92 | 563937 | 48.31 | ppb | 99 |
| 63) | trans-1,3-dichloropropene | 11.12 | 75 | 292863 | 50.71 | ppb | 97 |
| 64) | 1,1,2-trichloroethane | 11.29 | 83 | 169127 | 48.15 | ppb | 96 |
| 65) | ethyl methacrylate | 11.50 | 69 | 289926 | 49.74 | ppb | 94 |
| 67) | tetrachloroethene | 12.22 | 166 | 276835 | 51.03 | ppb | 97 |
| 68) | 1,3-dichloropropane | 11.52 | 76 | 343219 | 48.81 | ppb | 100 |
| 69) | dibromochloromethane | 11.81 | 129 | 239814 | 47.32 | ppb | 99 |
| 70) | 1,2-dibromoethane | 12.06 | 107 | 212235 | 50.23 | ppb | 100 |
| 71) | 2-hexanone | 11.65 | 43 | 156683 | 48.80 | ppb | 90 |
| 72) | chlorobenzene | 12.89 | 112 | 640909 | 48.31 | ppb | 98 |
| 73) | 1,1,1,2-tetrachloroethane | 12.81 | 131 | 244534 | 51.46 | ppb | 99 |
| 74) | ethylbenzene | 13.07 | 91 | 1083190 | 50.89 | ppb | 99 |
| 75) | m,p-xylene | 13.26 | 106 | 866161 | 102.19 | ppb | 97 |
| 76) | o-xylene | 13.67 | 106 | 429299 | 50.70 | ppb | 100 |
| 77) | styrene | 13.60 | 104 | 716909 | 52.07 | ppb | 100 |
| 78) | bromoform | 13.42 | 173 | 194343 | 47.48 | ppb | 97 |
| 79) | trans-1,4-dichloro-2-buten | 13.82 | 53 | 66159 | 50.77 | ppb | 98 |
| 81) | isopropylbenzene | 14.03 | 105 | 1003412 | 49.54 | ppb | 99 |
| 83) | bromobenzene | 14.32 | 156 | 330627 | 48.51 | ppb | 94 |
| 84) | 1,1,2,2-tetrachloroethane | 13.67 | 83 | 288761 | 46.22 | ppb | 97 |
| 85) | 1,2,3-trichloropropane | 13.82 | 75 | 308879 | 47.47 | ppb | 99 |
| 86) | n-propylbenzene | 14.48 | 91 | 1335428 | 49.39 | ppb | 99 |
| 87) | 2-chlorotoluene | 14.59 | 91 | 1154658 | 70.33 | ppb | 84 |
| 88) | 4-chlorotoluene | 14.67 | 91 | 938203 | 56.41 | ppb | 99 |
| 89) | 1,3,5-trimethylbenzene | 14.76 | 105 | 3717291 | 191.58 | ppb | 97 |
| 90) | tert-butylbenzene | 15.06 | 91 | 509078 | 49.80 | ppb | 98 |
| 91) | 1,2,4-trimethylbenzene | 15.17 | 105 | 4355325 | 216.98 | ppb | 99 |
| 92) | sec-butylbenzene | 15.29 | 105 | 1272667 | 49.90 | ppb | 99 |
| 93) | 1,3-dichlorobenzene | 15.39 | 146 | 610055 | 47.32 | ppb | 97 |

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69304.D Vial: 5
Acq On : 30 Apr 2007 9:08 pm Operator: kimt
Sample : M64143-3MSD Inst : 5973 G
Misc : MS13447,MSG2785,,,,5,5 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 1 9:36 2007 Quant Results File: G042507W.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration
DataAcq Meth : G8260

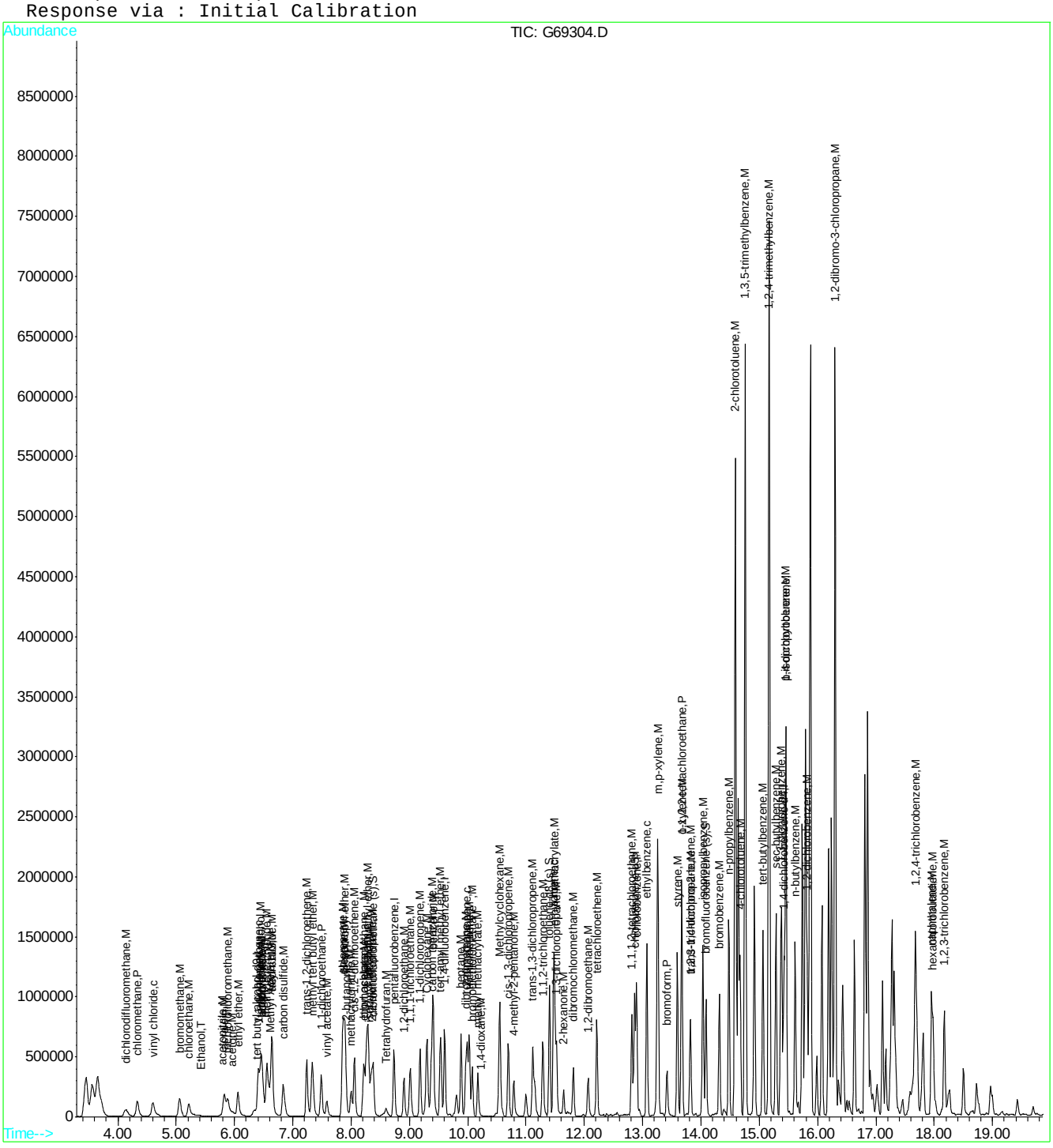
| | Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|---|
| 94) | p-isopropyltoluene | 15.46 | 119 | 1256907 | 56.00 ppb | 98 |
| 95) | 1,4-dichlorobenzene | 15.45 | 146 | 627876 | 46.75 ppb | 99 |
| 96) | 1,2-dichlorobenzene | 15.82 | 146 | 584612 | 47.35 ppb | 99 |
| 97) | n-butylbenzene | 15.62 | 91 | 78495 | 3.94 ppb | 48 |
| 98) | 1,2-dibromo-3-chloropropan | 16.30 | 75 | 69460 | 61.94 ppb | 80 |
| 99) | 1,2,4-trichlorobenzene | 17.67 | 180 | 391363 | 44.12 ppb | 99 |
| 100) | hexachlorobutadiene | 17.98 | 225 | 199932 | 40.36 ppb | 100 |
| 101) | naphthalene | 17.95 | 128 | 874193 | 45.75 ppb | 100 |
| 102) | 1,2,3-trichlorobenzene | 18.17 | 180 | 326144 | 42.11 ppb | 100 |
| 103) | 2-Methylnaphthalene | 19.43 | 142 | 72053 | Below Cal | 84 |

(#) = qualifier out of range (m) = manual integration
G69304.D G042507W.M Tue May 01 12:22:09 2007 RP1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\G69304.D Vial: 5
Acq On : 30 Apr 2007 9:08 pm Operator: kimt
Sample : M64143-3MSD Inst : 5973 G
Misc : MS13447,MSG2785,,,,5,5 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 1 9:36 2007 Quant Results File: G042507W.RES

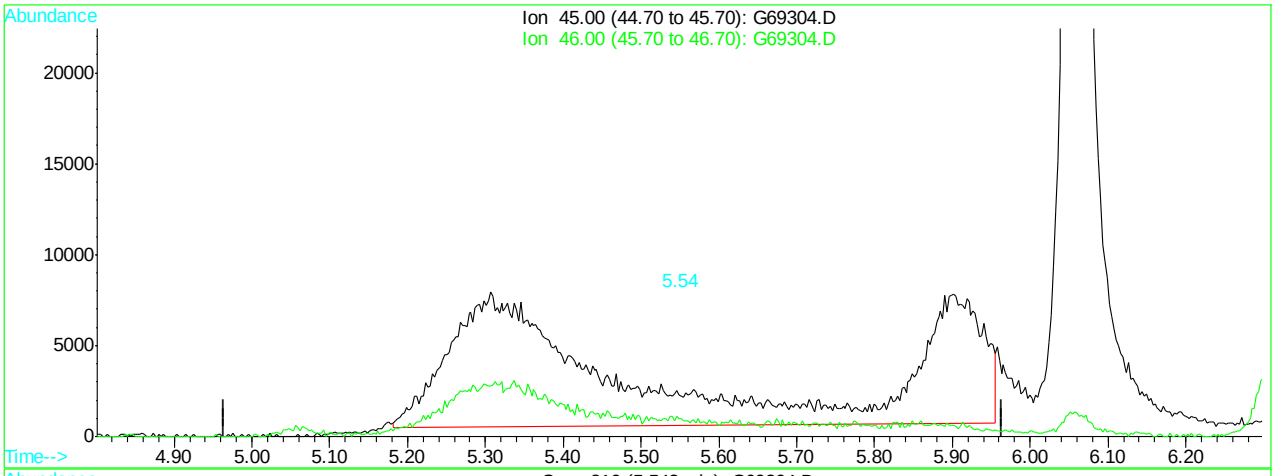
Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration

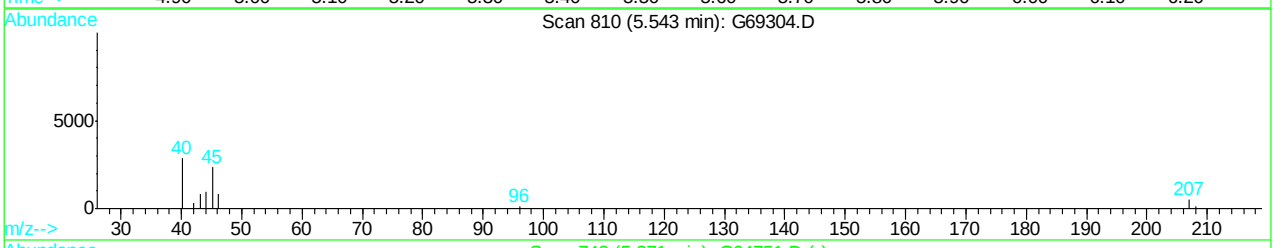


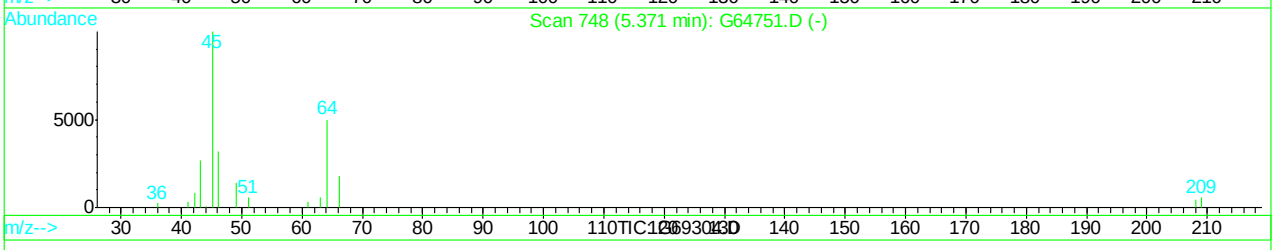
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69304.D  Vial: 5
Acq On : 30 Apr 2007 9:08 pm  Operator: kimt
Sample : M64162-3MSD  Inst : 5973 G
Misc : MS13447,MSG2785,,,,5,5  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 1 9:11 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Multiple Level Calibration




(4) Ethanol (T)

5.54min 5699.93ppb

response 137335

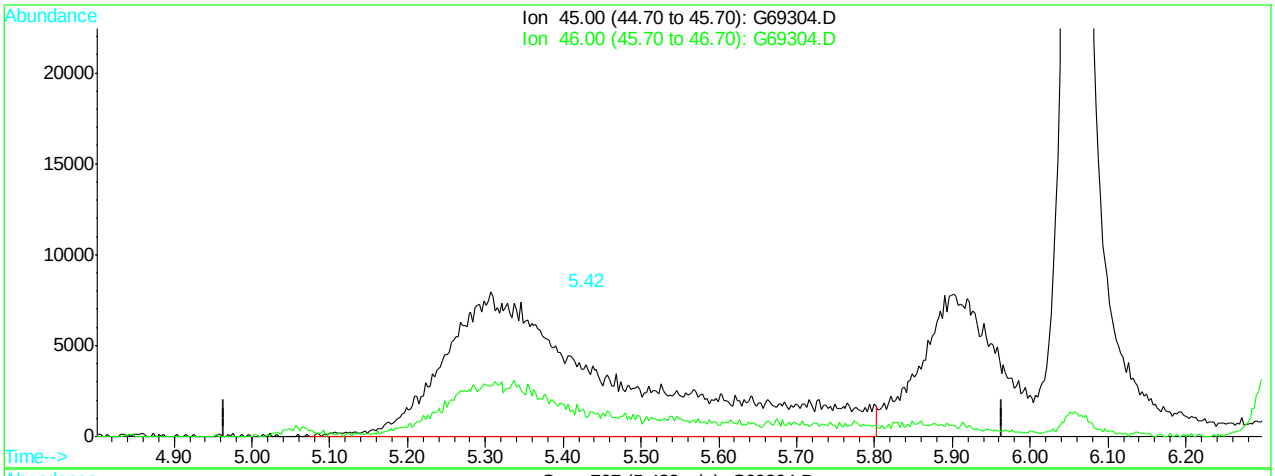
| Ion | Exp% | Act% |
|---|---|---|
| 45.00 | 100 | 100 |
| 46.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

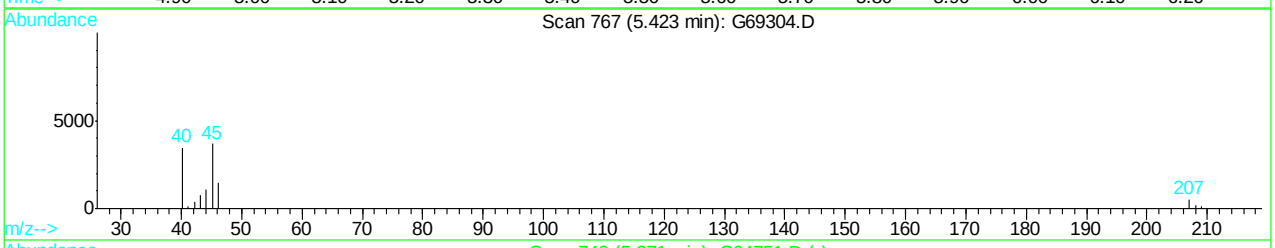
G69304.D G042507W.M Tue May 01 09:35:16 2007 RP1

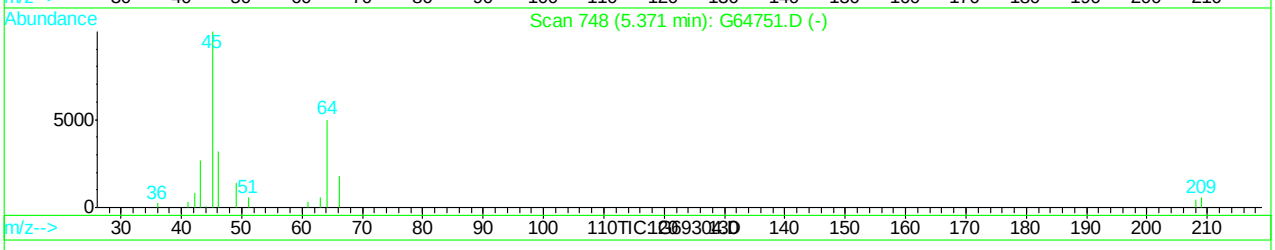
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69304.D  Vial: 5
Acq On : 30 Apr 2007 9:08 pm  Operator: kimt
Sample : M64162-3MSD  Inst : 5973 G
Misc : MS13447,MSG2785,,,,5,5  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 1 9:35 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Multiple Level Calibration




(4) Ethanol (T)

5.42min 5084.21ppb m

response 122958

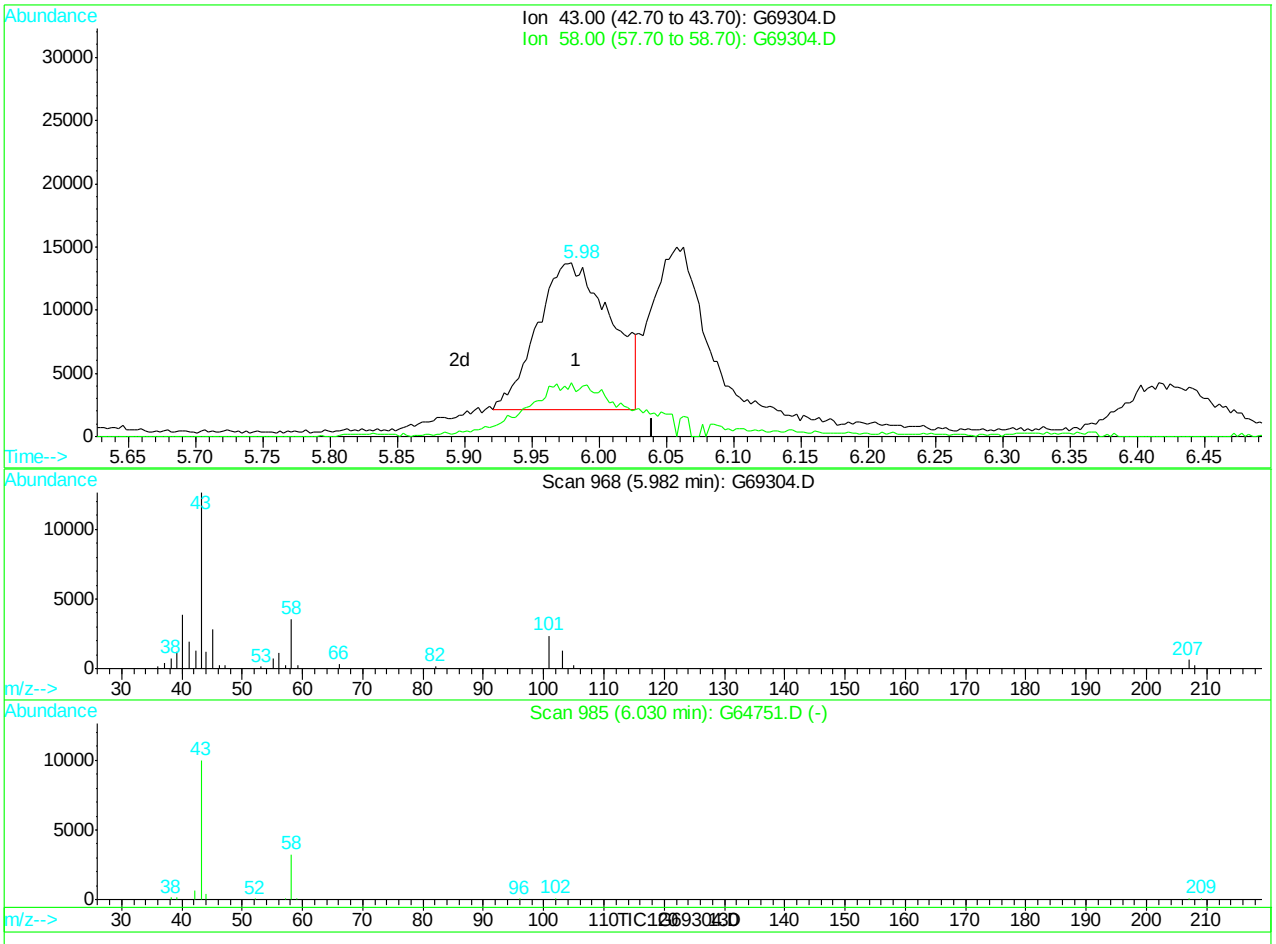
| Ion | Exp% | Act% |
|---|---|---|
| 45.00 | 100 | 100 |
| 46.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

G69304.D G042507W.M Tue May 01 09:35:22 2007 RP1

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69304.D  Vial: 5
Acq On : 30 Apr 2007 9:08 pm  Operator: kimt
Sample : M64162-3MSD  Inst : 5973 G
Misc : MS13447,MSG2785,,,,5,5  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 1 9:35 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Multiple Level Calibration




(16) acetone (M)

5.98min 37.15ppb

response 43960

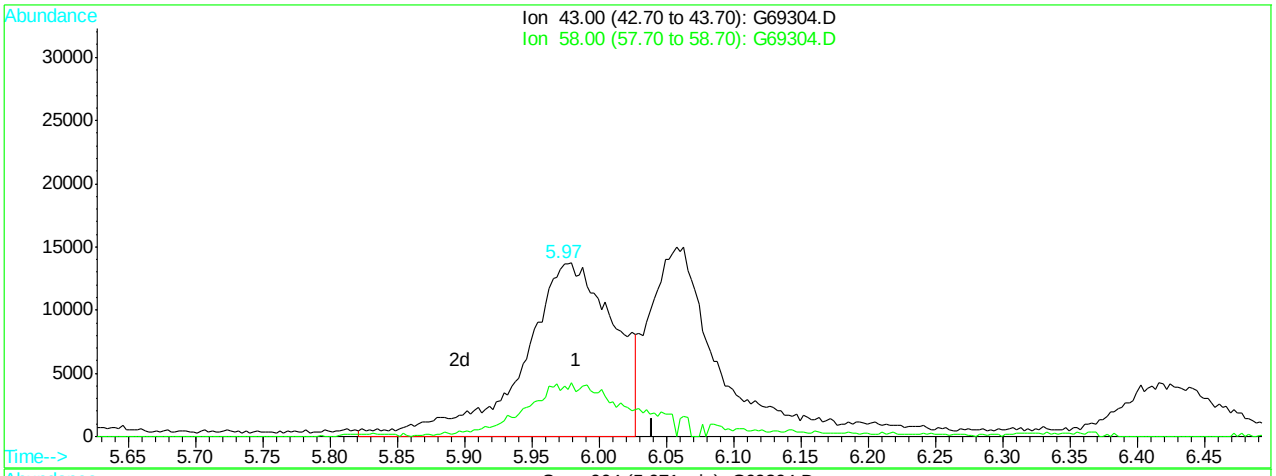
| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 58.00 | 28.80 | 26.52 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

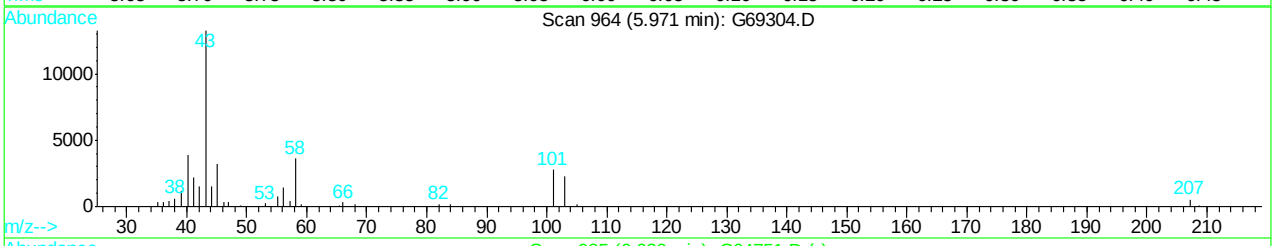
G69304.D G042507W.M Tue May 01 09:35:35 2007 RP1

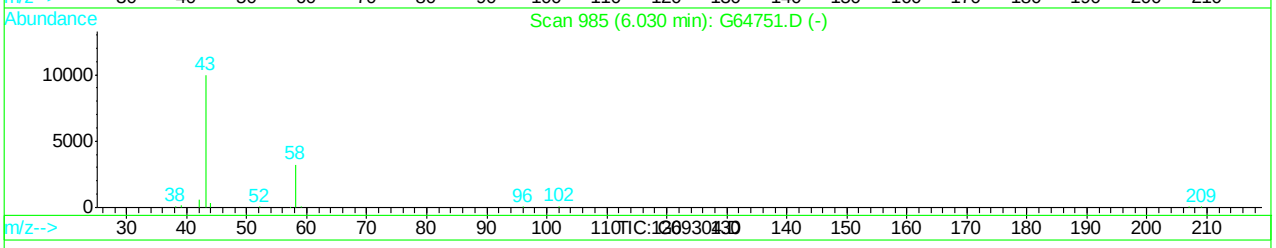
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69304.D  Vial: 5
Acq On : 30 Apr 2007 9:08 pm  Operator: kimt
Sample : M64162-3MSD  Inst : 5973 G
Misc : MS13447,MSG2785,,,,5,5  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 1 9:35 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Multiple Level Calibration




(16) acetone (M)

5.97min 54.88ppb m

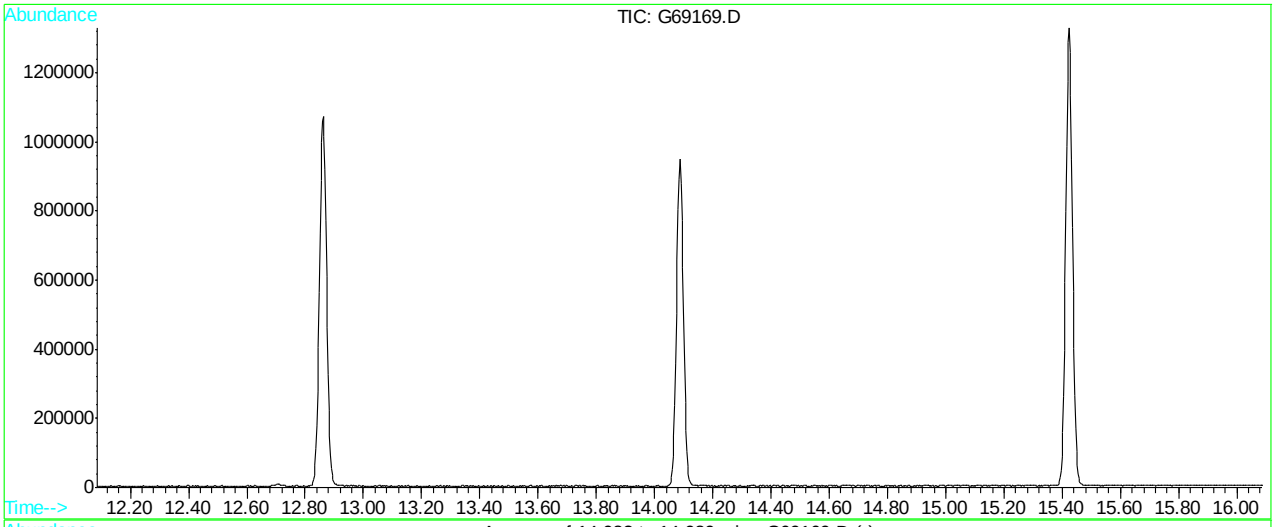
response 64936

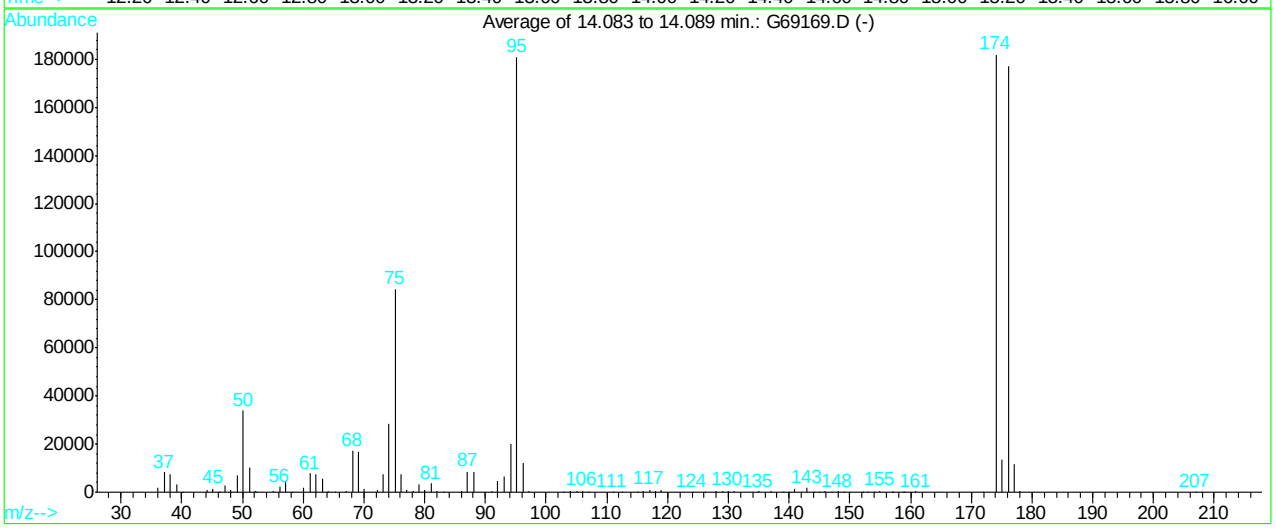
| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 58.00 | 28.80 | 27.33 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

G69304.D G042507W.M Tue May 01 09:35:41 2007 RP1

SW-846 Method 8260

```
Data File : C:\HPCHEM\1\DATA\G69169.D                    Vial: 3
Acq On    : 25 Apr 2007   4:45 pm                   Operator: KIMT
Sample    : BFB                                     Inst    : 5973 G
Misc      : MS13422,MSG2782,,,,5,1                  Multiplr: 1.00
MS Integration Params: RTEINT.P
Method    : C:\HPCHEM\1\METHODS\G042307.M (RTE Integrator)
Title     : SW-846 Method 8260
```




Spectrum Information: Average of 14.083 to 14.089 min.

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 15 | 40 | 18.8 | 33989 | PASS |
| 75 | 95 | 30 | 60 | 46.7 | 84411 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 180843 | PASS |
| 96 | 95 | 5 | 9 | 6.7 | 12128 | PASS |
| 173 | 174 | 0.00 | 2 | 0.0 | 0 | PASS |
| 174 | 95 | 50 | 150 | 100.6 | 181952 | PASS |
| 175 | 174 | 5 | 9 | 7.5 | 13662 | PASS |
| 176 | 174 | 95 | 101 | 97.3 | 177003 | PASS |
| 177 | 176 | 5 | 9 | 6.7 | 11880 | PASS |

G69169.D  G042307.M  Thu Apr 26 10:32:17 2007  RP1

Average of 14.083 to 14.089 min.: G69169.D
BFB
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 36.15 | 1703 | 49.15 | 6788 | 62.15 | 7523 | 75.15 | 84411 |
| 37.15 | 8274 | 50.15 | 33989 | 63.15 | 5609 | 76.15 | 7311 |
| 38.15 | 7479 | 51.15 | 10251 | 64.10 | 552 | 77.10 | 1120 |
| 39.15 | 3106 | 52.05 | 306 | 65.15 | 39 | 78.10 | 676 |
| 40.10 | 86 | 52.25 | 196 | 67.10 | 458 | 79.05 | 3428 |
| 44.15 | 856 | 55.10 | 412 | 68.15 | 17061 | 80.05 | 1015 |
| 45.15 | 1534 | 56.15 | 2271 | 69.15 | 16611 | 81.05 | 3521 |
| 46.05 | 36 | 57.15 | 4380 | 70.10 | 1321 | 82.00 | 653 |
| 46.20 | 86 | 58.15 | 188 | 72.15 | 891 | 83.10 | 84 |
| 47.10 | 2790 | 60.10 | 1750 | 73.15 | 7464 | 86.05 | 263 |
| 48.10 | 1058 | 61.15 | 7767 | 74.15 | 28371 | 87.05 | 8454 |

Average of 14.083 to 14.089 min.: G69169.D
BFB
Modified:subtracted

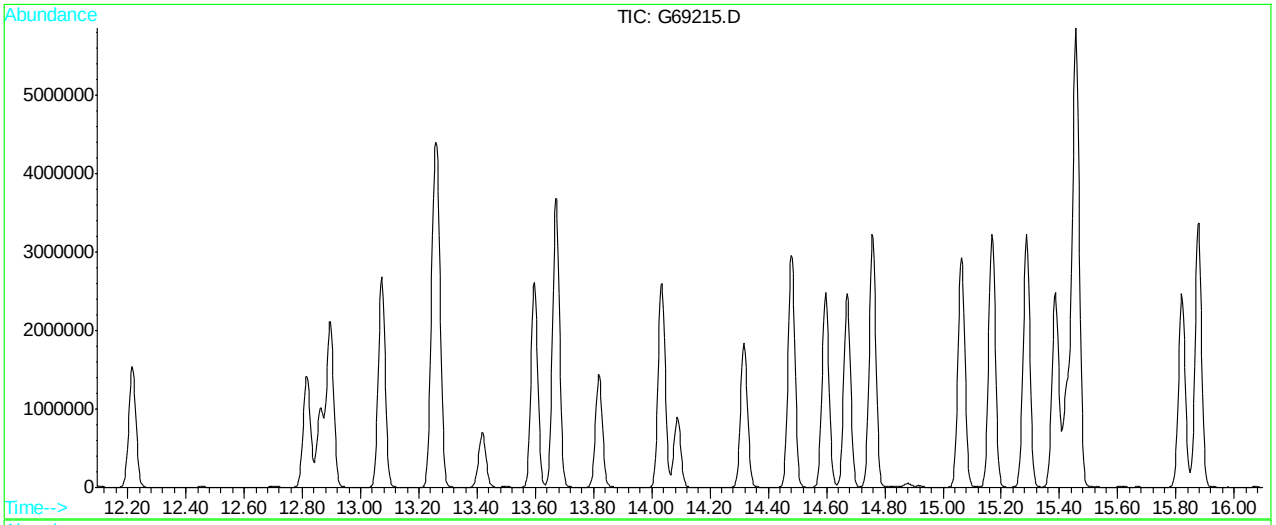
| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 88.05 | 8326 | 106.00 | 630 | 128.00 | 654 | 144.10 | 99 |
| 91.00 | 539 | 107.00 | 115 | 129.00 | 339 | 144.90 | 173 |
| 92.05 | 4602 | 110.95 | 56 | 130.00 | 678 | 145.90 | 248 |
| 93.15 | 6678 | 112.55 | 37 | 131.00 | 292 | 147.00 | 98 |
| 94.15 | 20211 | 115.00 | 159 | 134.95 | 300 | 148.00 | 403 |
| 95.15 | 180843 | 116.00 | 632 | 136.95 | 279 | 149.05 | 147 |
| 96.15 | 12128 | 117.00 | 1029 | 139.10 | 95 | 150.00 | 202 |
| 97.10 | 381 | 118.05 | 512 | 139.95 | 38 | 152.15 | 42 |
| 102.95 | 37 | 119.00 | 742 | 140.95 | 1568 | 152.95 | 113 |
| 104.00 | 551 | 124.00 | 85 | 141.95 | 190 | 154.00 | 105 |
| 105.00 | 283 | 126.15 | 34 | 143.00 | 1681 | 154.95 | 474 |

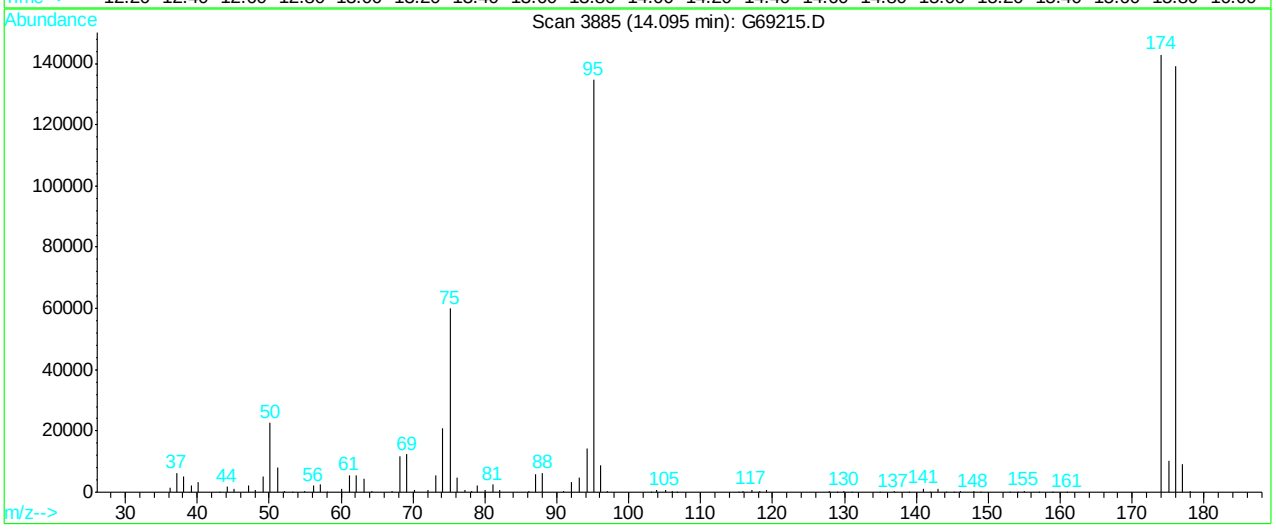
Average of 14.083 to 14.089 min.: G69169.D
BFB
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 156.85 | 160 | 206.95 | 85 | | | | |
| 157.10 | 227 | 207.85 | 39 | | | | |
| 158.85 | 143 | | | | | | |
| 159.05 | 81 | | | | | | |
| 160.90 | 250 | | | | | | |
| 171.85 | 66 | | | | | | |
| 174.05 | 181952 | | | | | | |
| 175.05 | 13662 | | | | | | |
| 176.05 | 177003 | | | | | | |
| 177.05 | 11880 | | | | | | |
| 177.95 | 361 | | | | | | |

SW-846 Method 8260

Data File : C:\HPCHEM\1\DATA\G69215.D  Vial: 1
Acq On : 27 Apr 2007 12:35 pm  Operator: kimt
Sample : CC2782-100  Inst : 5973 G
Misc : MS13436,MSG2784,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260




Spectrum Information: Scan 3885

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 15 | 40 | 16.8 | 22640 | PASS |
| 75 | 95 | 30 | 60 | 44.5 | 59944 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 134592 | PASS |
| 96 | 95 | 5 | 9 | 6.5 | 8707 | PASS |
| 173 | 174 | 0.00 | 2 | 0.0 | 0 | PASS |
| 174 | 95 | 50 | 150 | 106.2 | 142912 | PASS |
| 175 | 174 | 5 | 9 | 7.1 | 10116 | PASS |
| 176 | 174 | 95 | 101 | 97.3 | 139008 | PASS |
| 177 | 176 | 5 | 9 | 6.5 | 9084 | PASS |

G69215.D G042507W.M Fri Apr 27 13:07:48 2007 RP1

Scan 3885 (14.095 min): G69215.D
CC2782-100

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 36.15 | 1570 | 50.15 | 22640 | 63.15 | 4436 | 77.15 | 820 |
| 37.15 | 6421 | 51.15 | 7981 | 64.25 | 445 | 78.15 | 564 |
| 38.15 | 5088 | 52.15 | 334 | 67.15 | 318 | 78.95 | 2345 |
| 39.15 | 2192 | 53.15 | 128 | 68.15 | 11722 | 80.05 | 708 |
| 40.15 | 3182 | 54.95 | 253 | 69.15 | 12311 | 81.05 | 2481 |
| 43.15 | 123 | 56.15 | 2060 | 70.15 | 844 | 82.05 | 605 |
| 44.15 | 1694 | 57.15 | 2747 | 72.05 | 693 | 86.05 | 228 |
| 45.15 | 1147 | 58.05 | 143 | 73.15 | 5480 | 87.05 | 5786 |
| 47.15 | 2174 | 60.15 | 1219 | 74.15 | 20880 | 88.05 | 6299 |
| 48.15 | 917 | 61.15 | 5619 | 75.15 | 59944 | 90.95 | 311 |
| 49.15 | 5230 | 62.15 | 5526 | 76.15 | 4836 | 92.05 | 3237 |

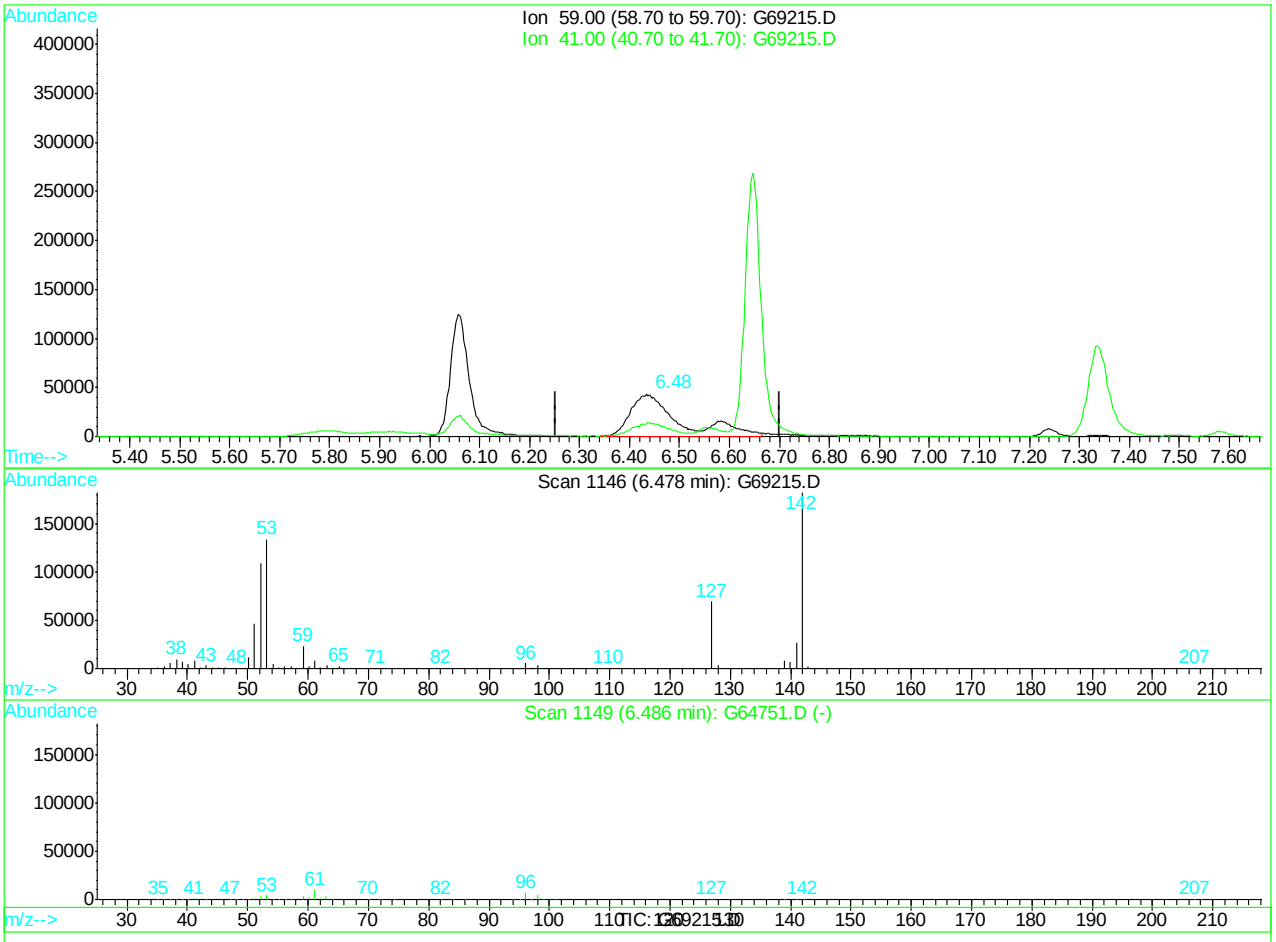
Scan 3885 (14.095 min): G69215.D
CC2782-100

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 93.05 | 4762 | 115.95 | 371 | 141.05 | 1245 | 157.05 | 120 |
| 94.15 | 14465 | 117.05 | 753 | 141.95 | 197 | 158.95 | 184 |
| 95.15 | 134592 | 118.15 | 379 | 142.95 | 1139 | 160.95 | 180 |
| 96.15 | 8707 | 119.15 | 587 | 144.05 | 166 | 174.05 | 142912 |
| 97.05 | 220 | 127.85 | 448 | 145.15 | 119 | 175.05 | 10116 |
| 103.05 | 134 | 128.95 | 150 | 146.05 | 237 | 176.05 | 139008 |
| 103.95 | 592 | 129.95 | 478 | 147.95 | 338 | 177.05 | 9084 |
| 105.05 | 675 | 131.05 | 173 | 148.95 | 119 | 178.05 | 209 |
| 106.05 | 391 | 134.85 | 198 | 152.95 | 151 | | |
| 106.75 | 131 | 136.85 | 205 | 154.05 | 117 | | |
| 115.25 | 124 | 138.95 | 114 | 154.95 | 457 | | |

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69215.D  Vial: 1
Acq On : 27 Apr 2007 12:35 pm  Operator: kimt
Sample : CC2782-100  Inst : 5973 G
Misc : MS13436,MSG2784,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 27 13:08 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Multiple Level Calibration




(2) tertiary butyl alcohol (M)

6.48min 1175.62ppb

response 288405

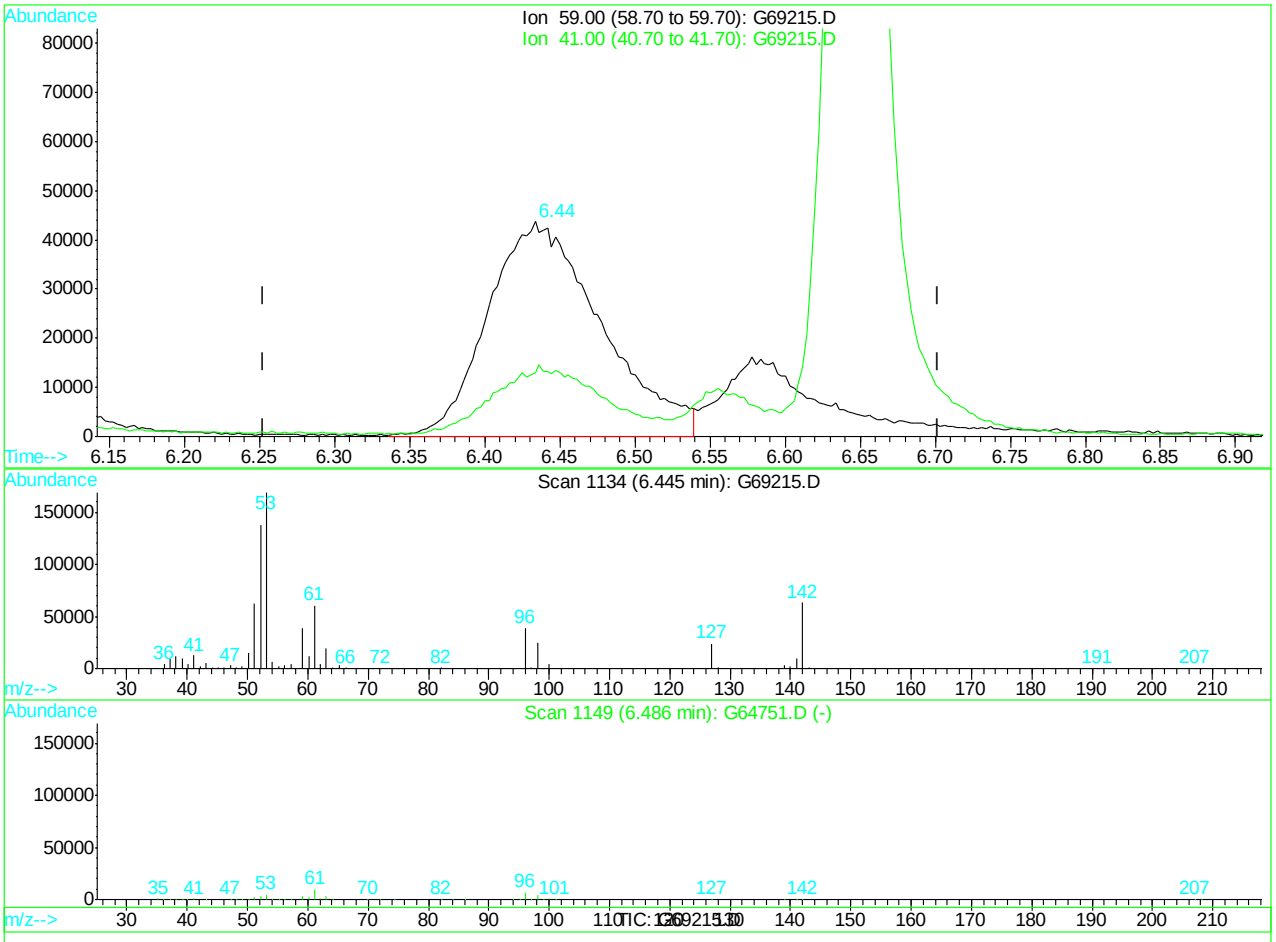
| Ion | Exp% | Act% |
|---|---|---|
| 59.00 | 100 | 100 |
| 41.00 | 34.40 | 32.51 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

G69215.D G042507W.M Fri Apr 27 13:09:16 2007 RP1

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69215.D  Vial: 1
Acq On : 27 Apr 2007 12:35 pm  Operator: kimt
Sample : CC2782-100  Inst : 5973 G
Misc : MS13436,MSG2784,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 27 13:09 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Multiple Level Calibration




(2) tertiary butyl alcohol (M)

6.44min 931.78ppb m

response 228584

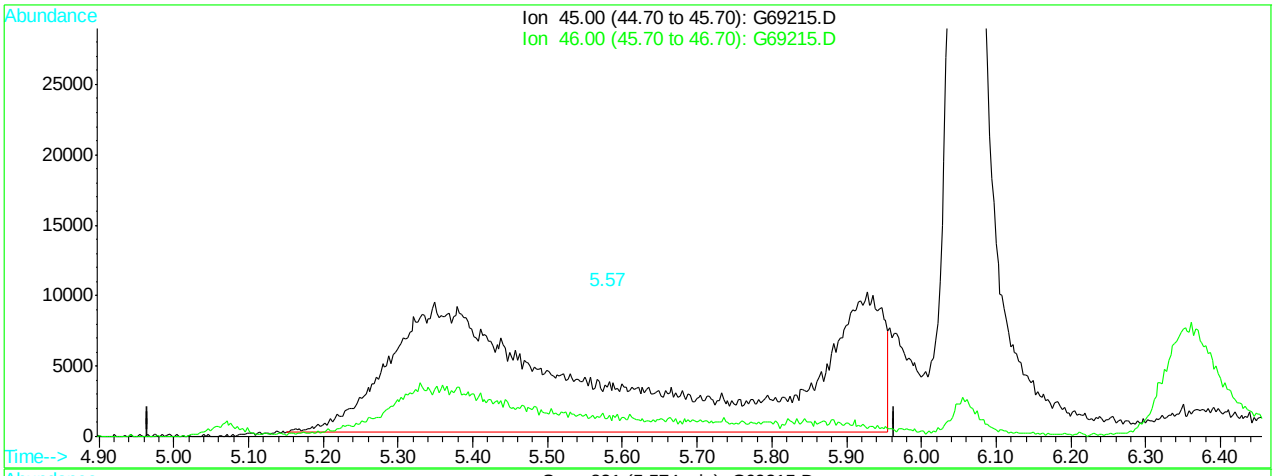
| Ion | Exp% | Act% |
|---|---|---|
| 59.00 | 100 | 100 |
| 41.00 | 34.40 | 33.36 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

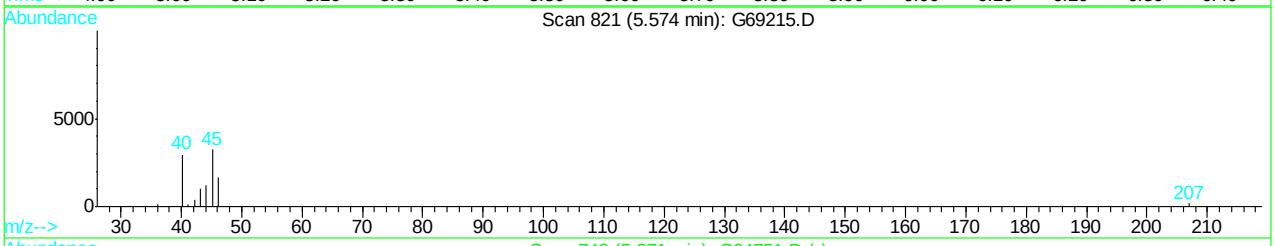
G69215.D G042507W.M Fri Apr 27 13:09:23 2007 RP1

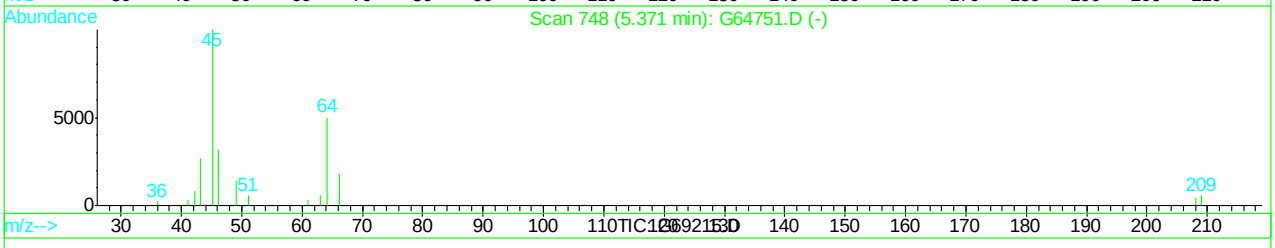
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69215.D  Vial: 1
Acq On : 27 Apr 2007 12:35 pm  Operator: kimt
Sample : CC2782-100  Inst : 5973 G
Misc : MS13436,MSG2784,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 27 13:09 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Multiple Level Calibration




(4) Ethanol (T)

5.57min 9370.41ppb

response 200224

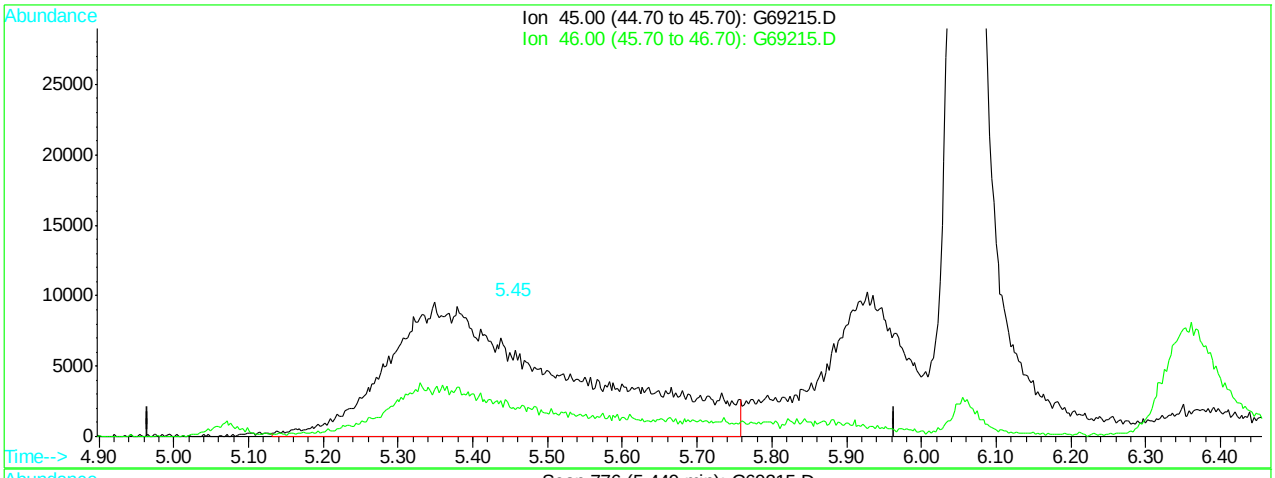
| Ion | Exp% | Act% |
|---|---|---|
| 45.00 | 100 | 100 |
| 46.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

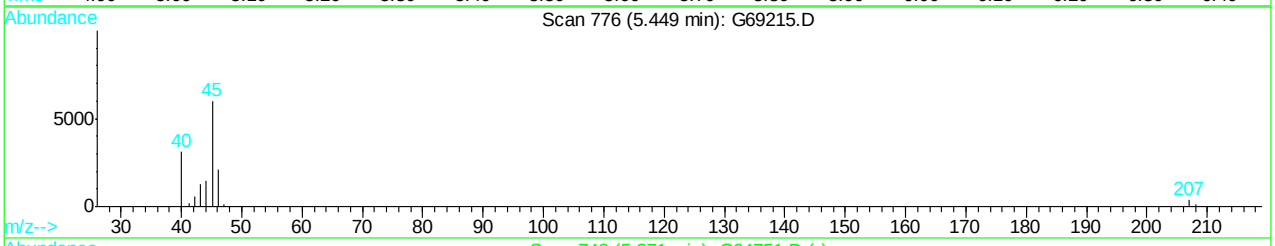
G69215.D G042507W.M Fri Apr 27 13:09:30 2007 RP1

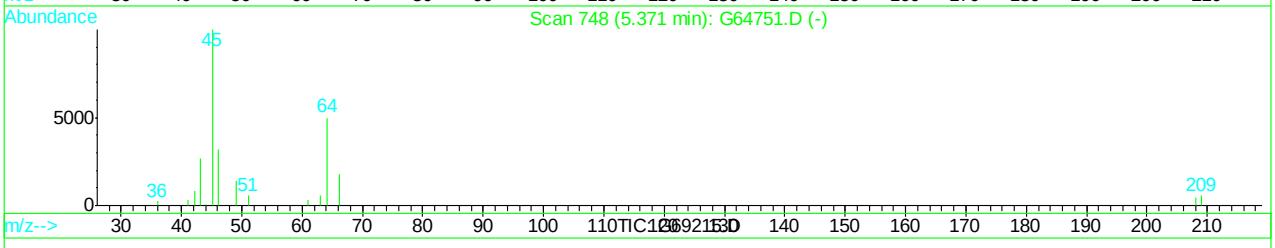
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69215.D  Vial: 1
Acq On : 27 Apr 2007 12:35 pm  Operator: kimt
Sample : CC2782-100  Inst : 5973 G
Misc : MS13436,MSG2784,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 27 13:09 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Multiple Level Calibration




(4) Ethanol (T)

5.45min 7254.36ppb m

response 155869

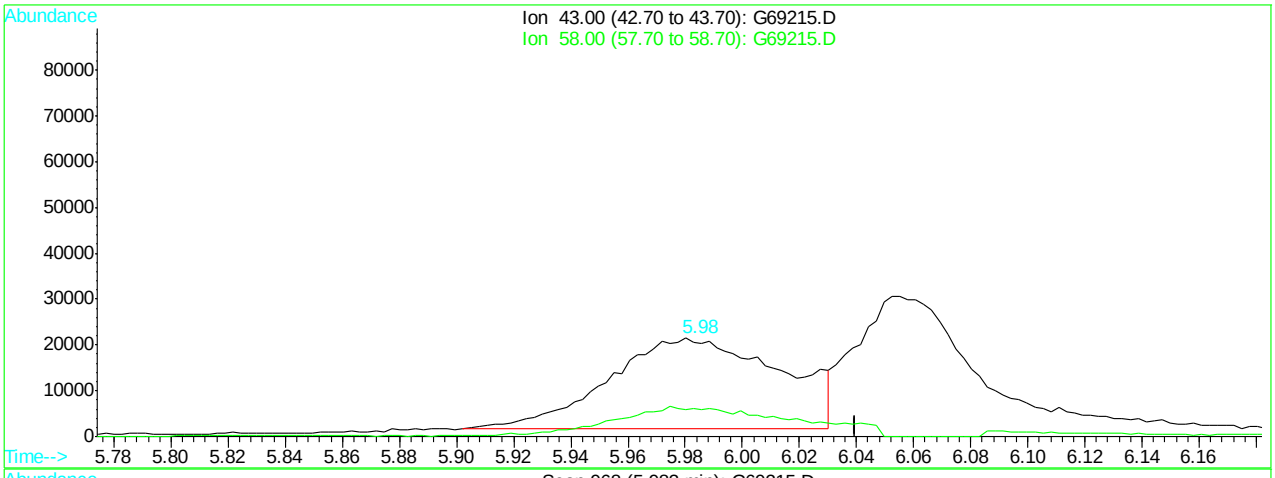
| Ion | Exp% | Act% |
|---|---|---|
| 45.00 | 100 | 100 |
| 46.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

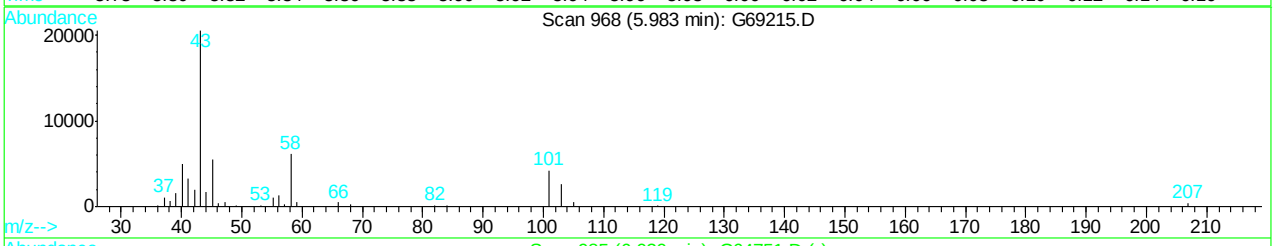
G69215.D G042507W.M Fri Apr 27 13:09:39 2007 RP1

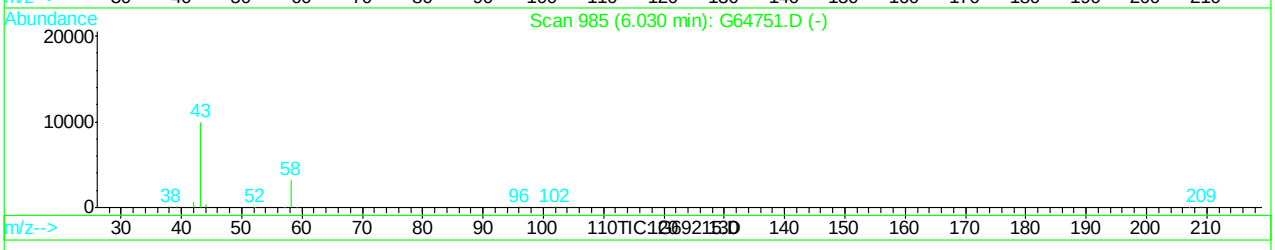
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69215.D  Vial: 1
Acq On : 27 Apr 2007 12:35 pm  Operator: kimt
Sample : CC2782-100  Inst : 5973 G
Misc : MS13436,MSG2784,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 27 13:09 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Multiple Level Calibration




(16) acetone (M)

5.98min 78.32ppb

response 83195

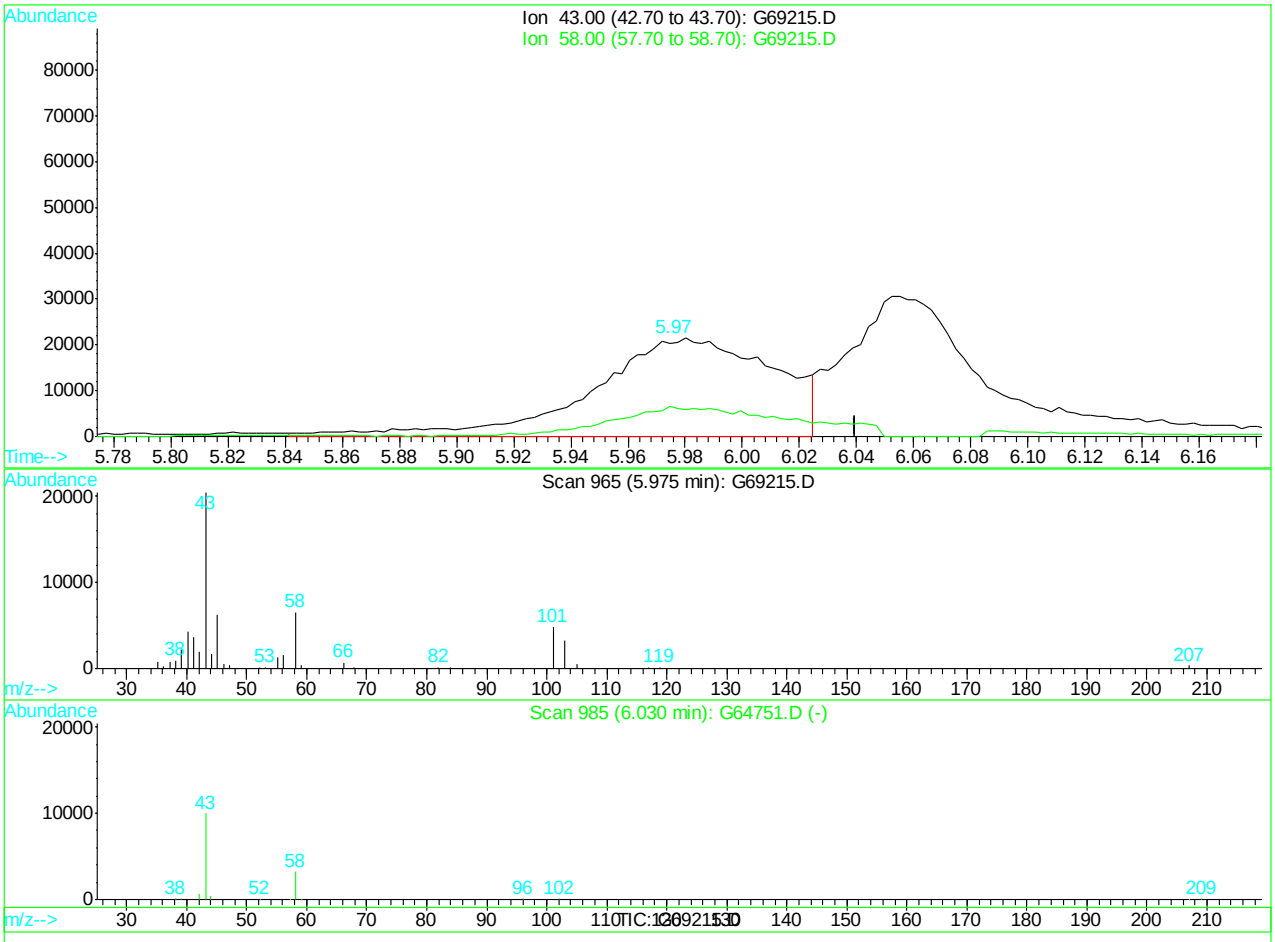
| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 58.00 | 28.80 | 31.50 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

G69215.D G042507W.M Fri Apr 27 13:09:57 2007 RP1

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69215.D  Vial: 1
Acq On : 27 Apr 2007 12:35 pm  Operator: kimt
Sample : CC2782-100  Inst : 5973 G
Misc : MS13436,MSG2784,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 27 13:10 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Multiple Level Calibration




(16) acetone (M)

5.97min 90.34ppb m

response 95955

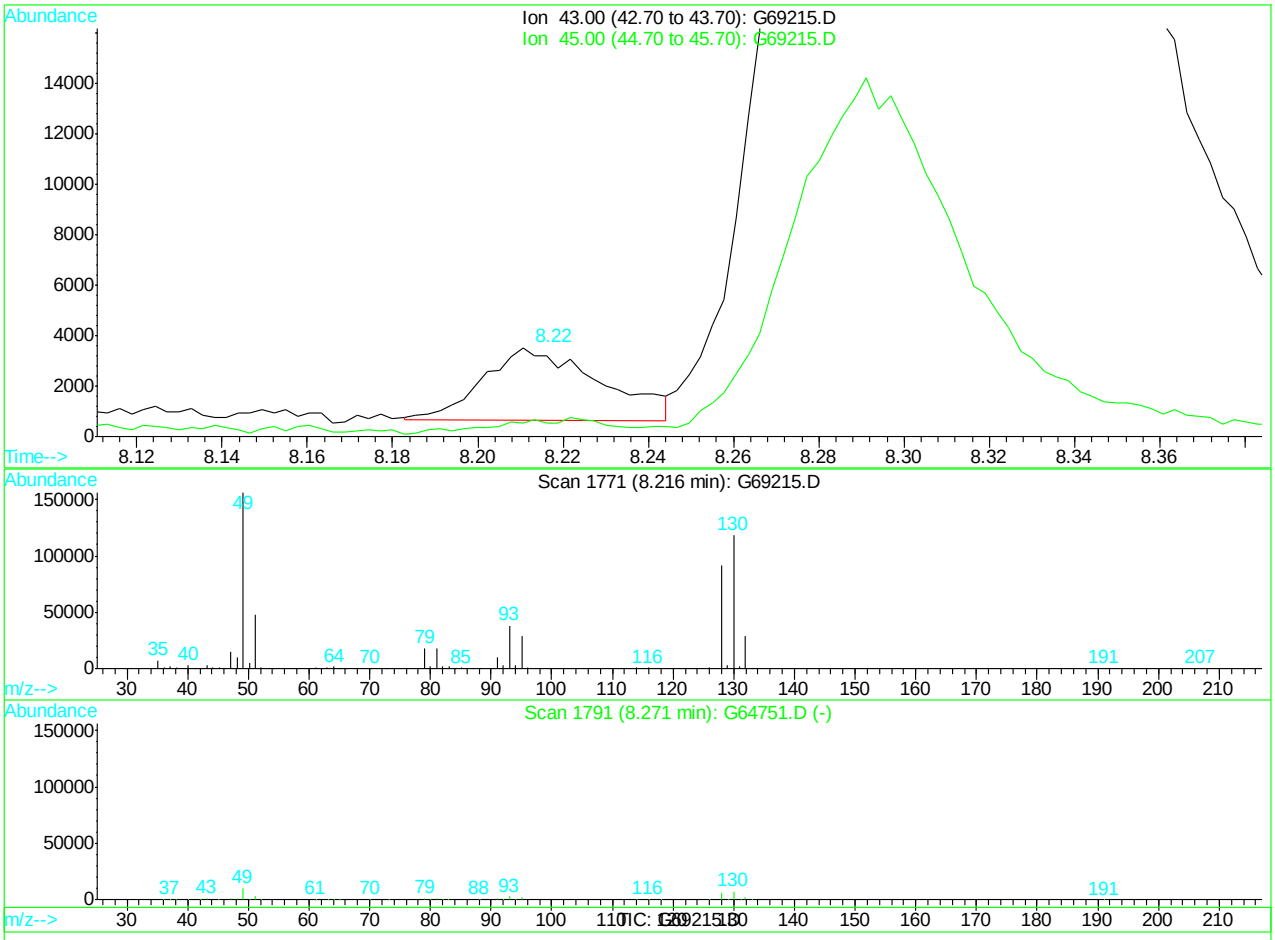
| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 58.00 | 28.80 | 32.01 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

G69215.D G042507W.M Fri Apr 27 13:10:12 2007 RP1

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69215.D  Vial: 1
Acq On : 27 Apr 2007 12:35 pm  Operator: kimt
Sample : CC2782-100  Inst : 5973 G
Misc : MS13436,MSG2784,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 27 13:10 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Multiple Level Calibration




(37) ethyl acetate (M)

8.22min 56.33ppb

response 5465

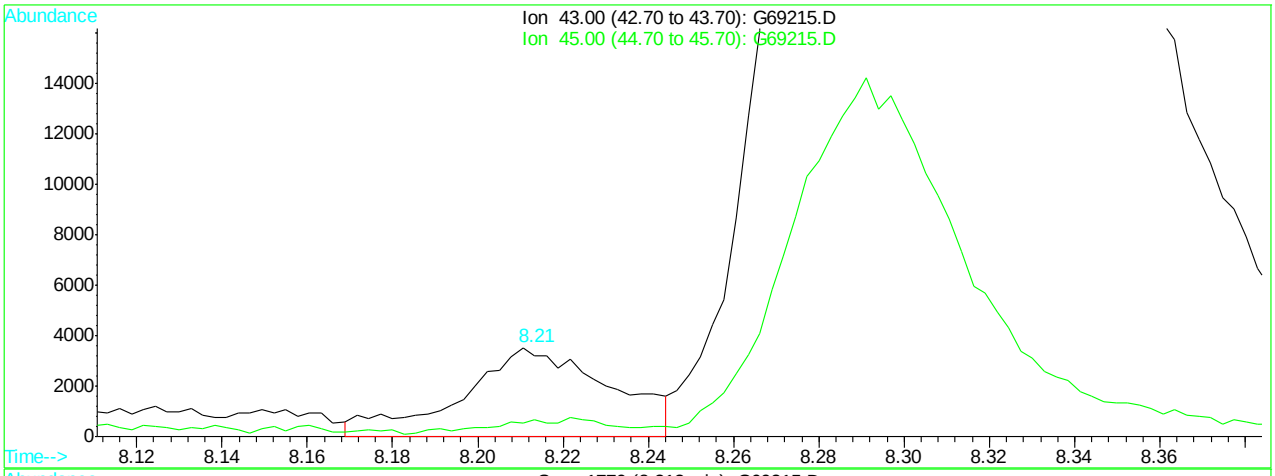
| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 45.00 | 21.00 | 18.36 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

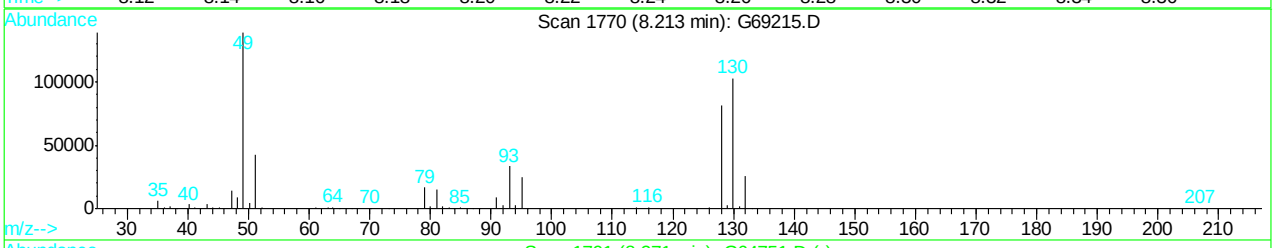
G69215.D G042507W.M Fri Apr 27 13:10:37 2007 RP1

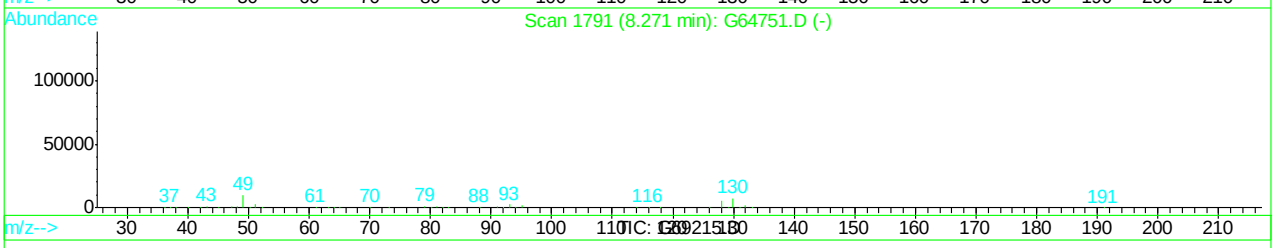
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69215.D  Vial: 1
Acq On : 27 Apr 2007 12:35 pm  Operator: kimt
Sample : CC2782-100  Inst : 5973 G
Misc : MS13436,MSG2784,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 27 13:10 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Multiple Level Calibration




(37) ethyl acetate (M)

8.21min 91.68ppb m

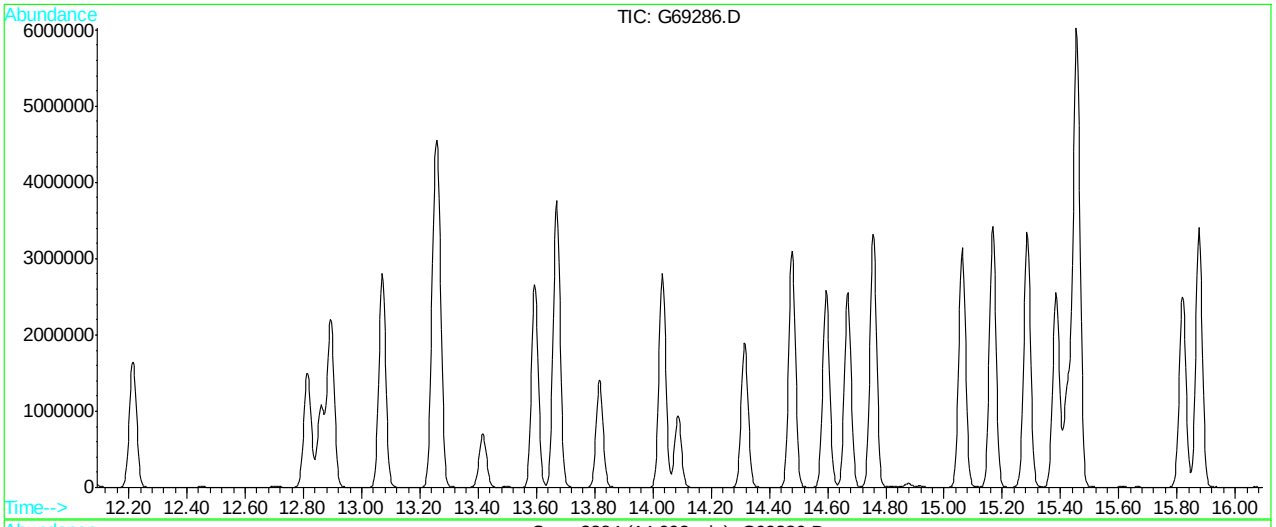
response 8472

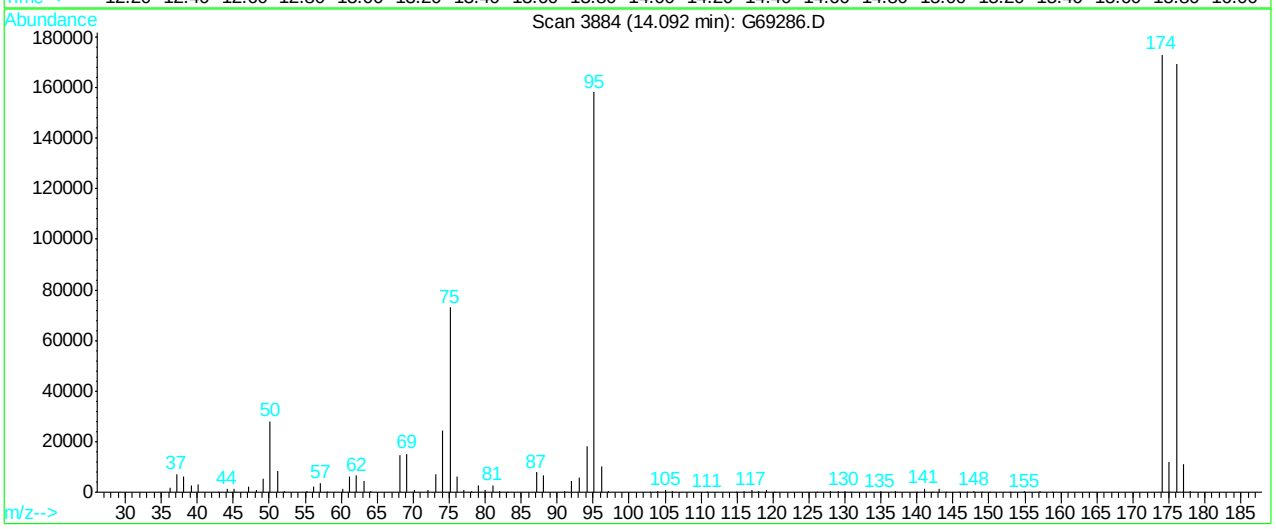
| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 45.00 | 21.00 | 20.66 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

G69215.D G042507W.M Fri Apr 27 13:10:48 2007 RP1

SW-846 Method 8260

```
Data File : C:\HPCHEM\1\DATA\G69286.D                    Vial: 1
Acq On    : 30 Apr 2007  12:30 pm                   Operator: kimt
Sample    : CC2782-100                              Inst    : 5973 G
Misc      : MS13447,MSG2785,,,,5,1                  Multiplr: 1.00
MS Integration Params: RTEINT.P
Method    : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title     : SW-846 Method 8260
```




Spectrum Information: Scan 3884

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 15 | 40 | 17.7 | 27960 | PASS |
| 75 | 95 | 30 | 60 | 46.1 | 72968 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 158144 | PASS |
| 96 | 95 | 5 | 9 | 6.4 | 10156 | PASS |
| 173 | 174 | 0.00 | 2 | 0.0 | 0 | PASS |
| 174 | 95 | 50 | 150 | 109.5 | 173120 | PASS |
| 175 | 174 | 5 | 9 | 6.8 | 11858 | PASS |
| 176 | 174 | 95 | 101 | 97.9 | 169408 | PASS |
| 177 | 176 | 5 | 9 | 6.5 | 10989 | PASS |

G69286.D  G042507W.M  Mon Apr 30 13:02:01 2007  RP1

Scan 3884 (14.092 min): G69286.D
CC2782-100

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 36.15 | 1675 | 50.15 | 27960 | 64.15 | 431 | 79.05 | 2708 |
| 37.15 | 7139 | 51.15 | 8587 | 68.15 | 14504 | 80.05 | 935 |
| 38.15 | 6034 | 52.15 | 290 | 69.15 | 15127 | 81.05 | 2847 |
| 39.15 | 2641 | 55.15 | 338 | 70.15 | 980 | 82.05 | 550 |
| 40.05 | 3120 | 56.15 | 2019 | 72.05 | 748 | 83.15 | 123 |
| 42.95 | 110 | 57.15 | 3631 | 73.15 | 7024 | 87.15 | 7908 |
| 44.15 | 1333 | 58.05 | 133 | 74.15 | 24416 | 88.05 | 6634 |
| 45.15 | 1143 | 60.15 | 1410 | 75.15 | 72968 | 91.05 | 623 |
| 47.15 | 2085 | 61.15 | 6109 | 76.15 | 6046 | 92.05 | 4232 |
| 48.15 | 974 | 62.15 | 6591 | 77.05 | 1014 | 93.05 | 5796 |
| 49.15 | 5434 | 63.15 | 4591 | 78.15 | 634 | 94.15 | 18288 |

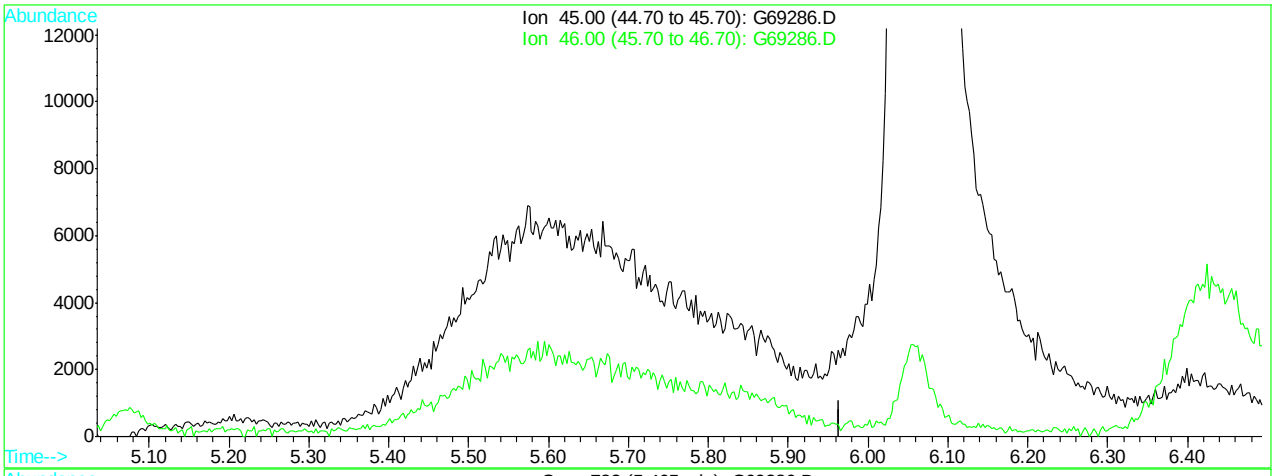
Scan 3884 (14.092 min): G69286.D
CC2782-100

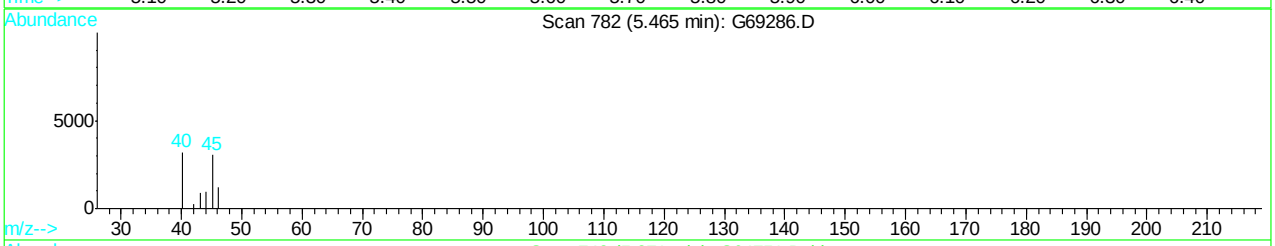
| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 95.15 | 158144 | 118.05 | 475 | 141.05 | 1483 | 157.05 | 389 |
| 96.15 | 10156 | 119.05 | 765 | 142.15 | 136 | 158.85 | 135 |
| 97.15 | 312 | 120.15 | 174 | 143.05 | 1279 | 174.05 | 173120 |
| 102.95 | 137 | 126.05 | 102 | 144.05 | 119 | 175.05 | 11858 |
| 103.95 | 563 | 127.95 | 507 | 145.95 | 222 | 176.05 | 169408 |
| 105.15 | 718 | 129.05 | 254 | 147.05 | 111 | 177.05 | 10989 |
| 105.95 | 579 | 129.95 | 561 | 147.95 | 470 | 177.95 | 405 |
| 110.85 | 149 | 130.85 | 184 | 148.95 | 163 | | |
| 114.85 | 120 | 134.95 | 336 | 150.05 | 171 | | |
| 115.95 | 611 | 136.95 | 248 | 152.95 | 135 | | |
| 117.05 | 852 | 139.95 | 169 | 154.95 | 431 | | |

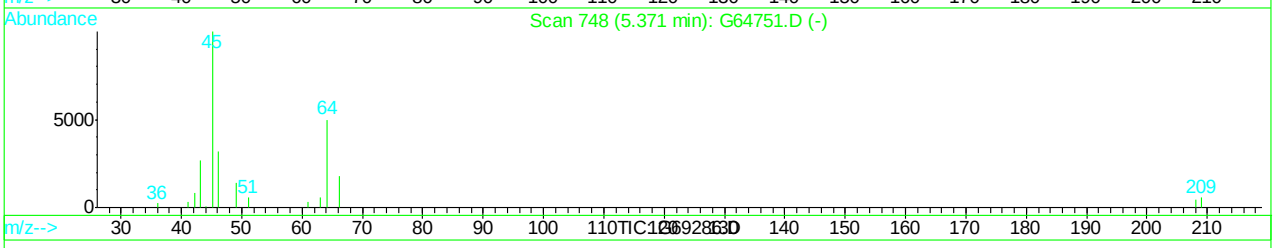
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69286.D  Vial: 1
Acq On : 30 Apr 2007 12:30 pm  Operator: kimt
Sample : CC2782-100  Inst : 5973 G
Misc : MS13447,MSG2785,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 13:02 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Multiple Level Calibration




(4) Ethanol (T)

5.47min 0.00ppb

response 0

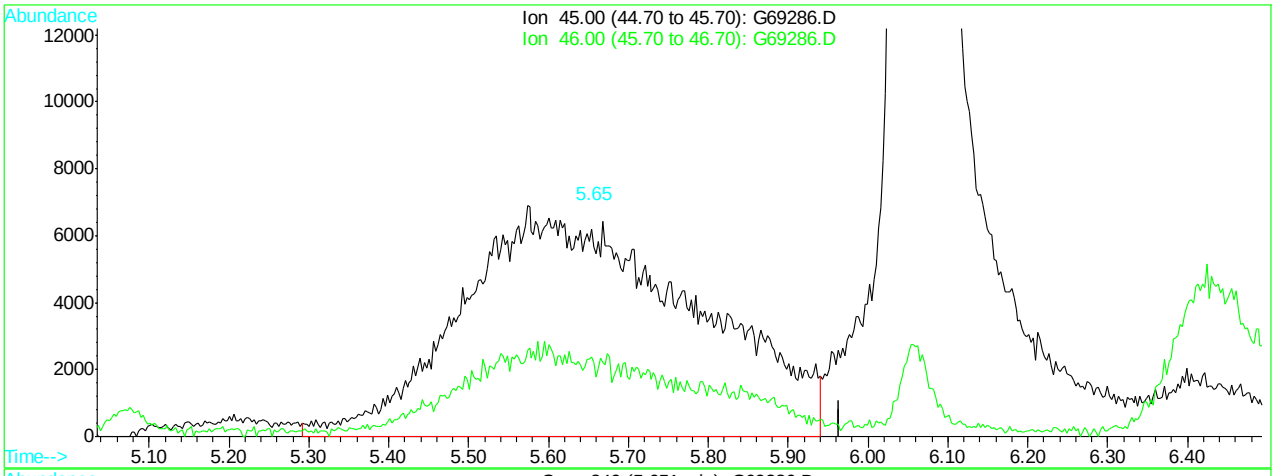
| Ion | Exp% | Act% |
|---|---|---|
| 45.00 | 100 | 0.00 |
| 46.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

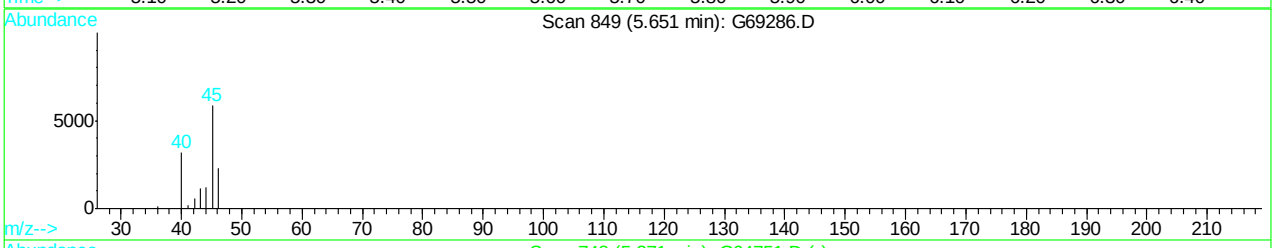
G69286.D G042507W.M Mon Apr 30 13:03:08 2007 RP1

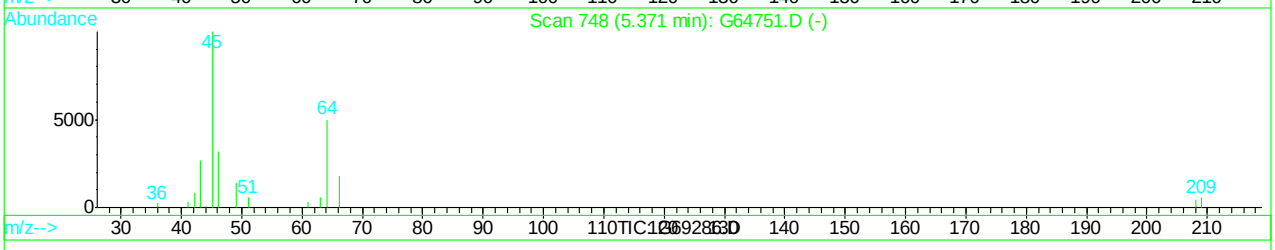
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69286.D  Vial: 1
Acq On : 30 Apr 2007 12:30 pm  Operator: kimt
Sample : CC2782-100  Inst : 5973 G
Misc : MS13447,MSG2785,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 13:03 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Multiple Level Calibration




(4) Ethanol (T)

5.65min 5385.40ppb m

response 135777

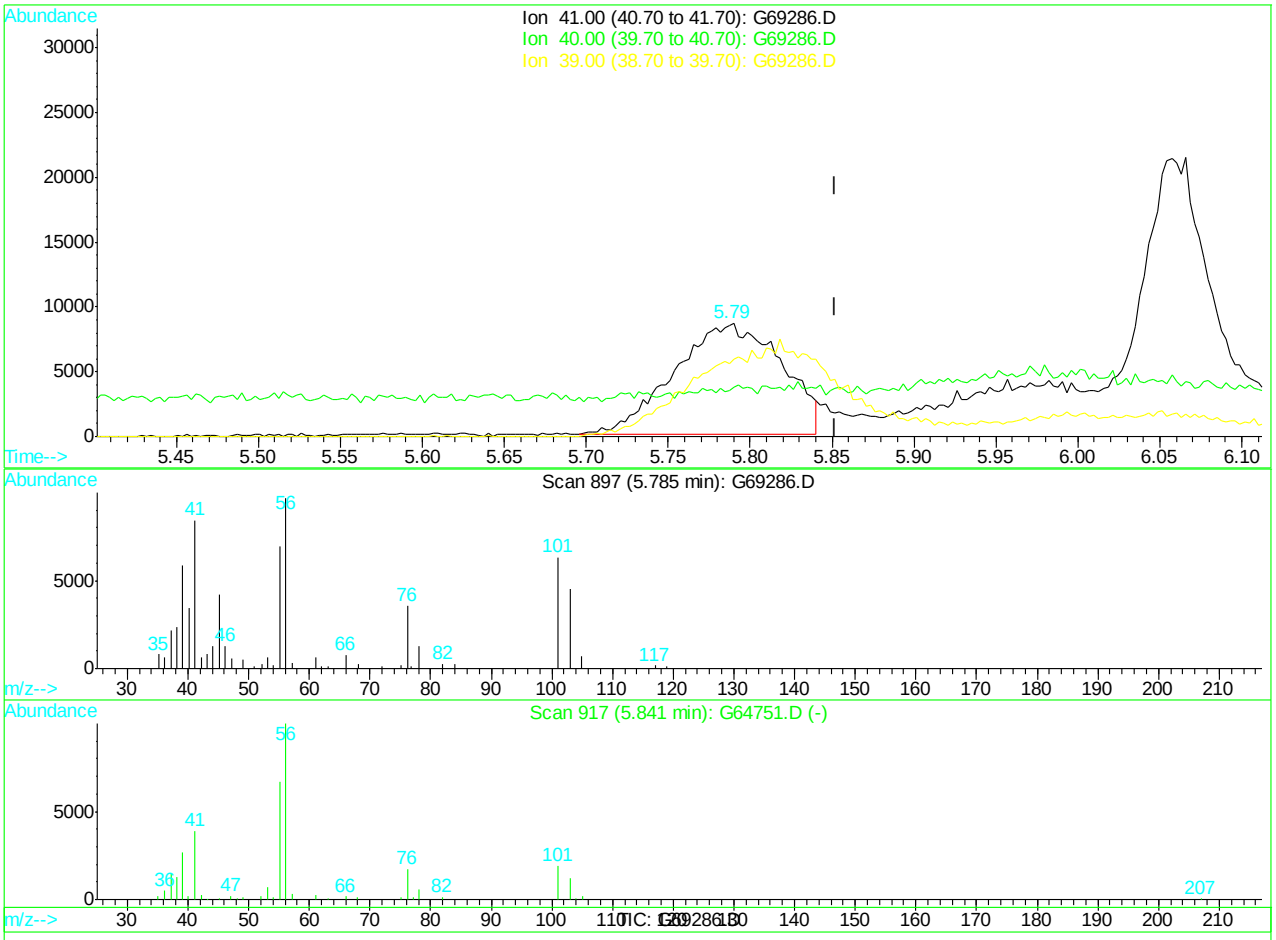
| Ion | Exp% | Act% |
|---|---|---|
| 45.00 | 100 | 100 |
| 46.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

G69286.D G042507W.M Mon Apr 30 13:03:14 2007 RP1

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69286.D  Vial: 1
Acq On : 30 Apr 2007 12:30 pm  Operator: kimt
Sample : CC2782-100  Inst : 5973 G
Misc : MS13447,MSG2785,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 13:03 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Multiple Level Calibration




(11) acetonitrile (M)

5.79min 75.13ppb

response 39027

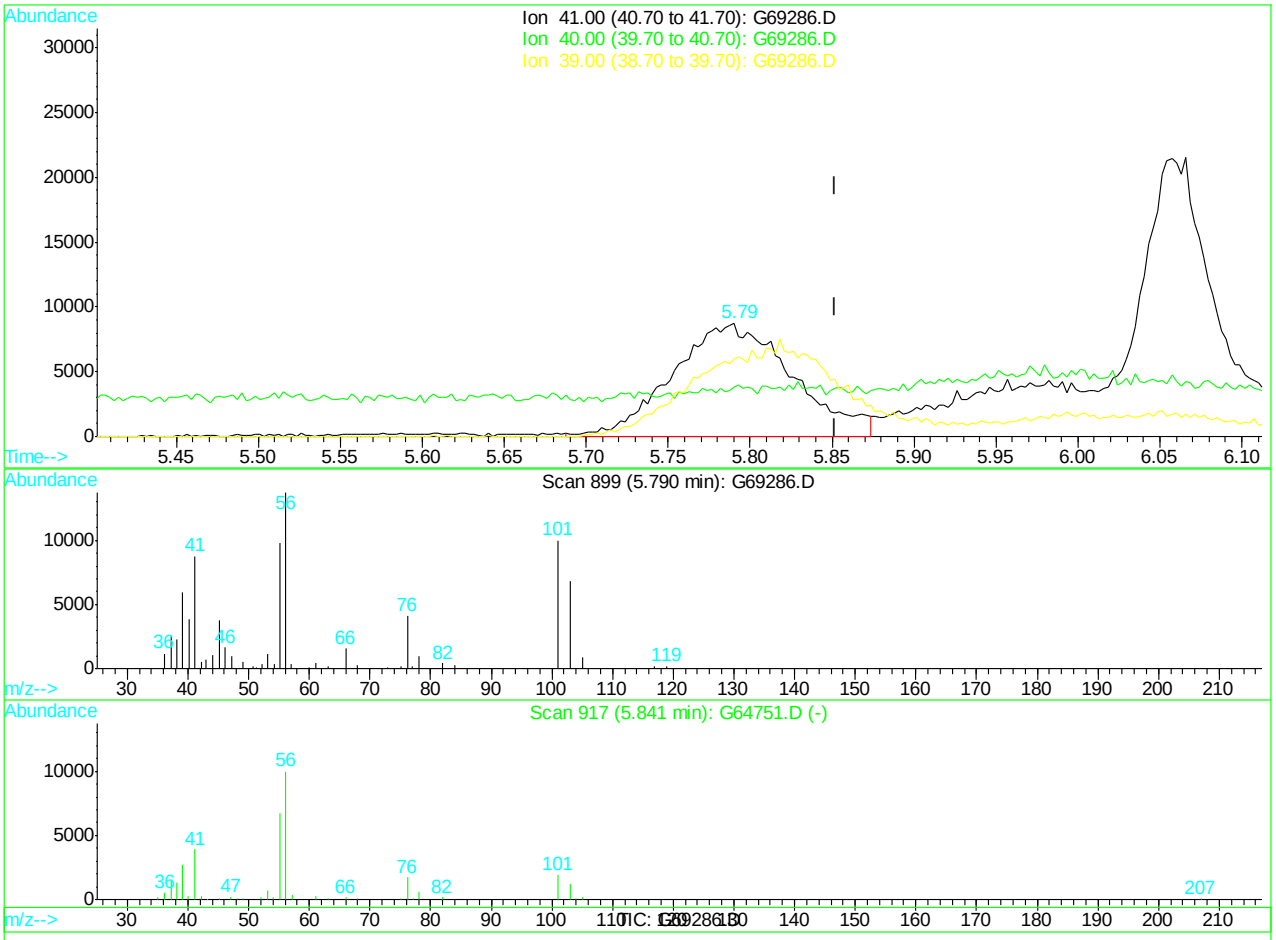
| Ion | Exp% | Act% |
|---|---|---|
| 41.00 | 100 | 100 |
| 40.00 | 242.10 | 4.82# |
| 39.00 | 74.00 | 70.81 |
| 0.00 | 0.00 | 0.00 |

G69286.D G042507W.M Mon Apr 30 13:03:32 2007 RP1

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69286.D  Vial: 1
Acq On : 30 Apr 2007 12:30 pm  Operator: kimt
Sample : CC2782-100  Inst : 5973 G
Misc : MS13447,MSG2785,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 13:03 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Multiple Level Calibration




(11) acetonitrile (M)

5.79min 83.61ppb m

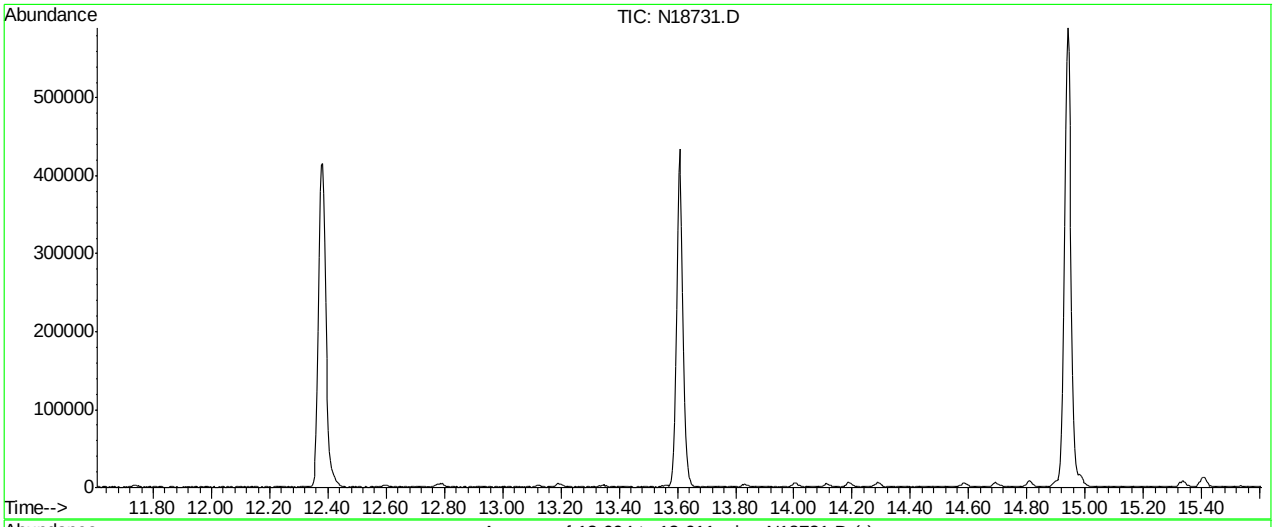
response 44328

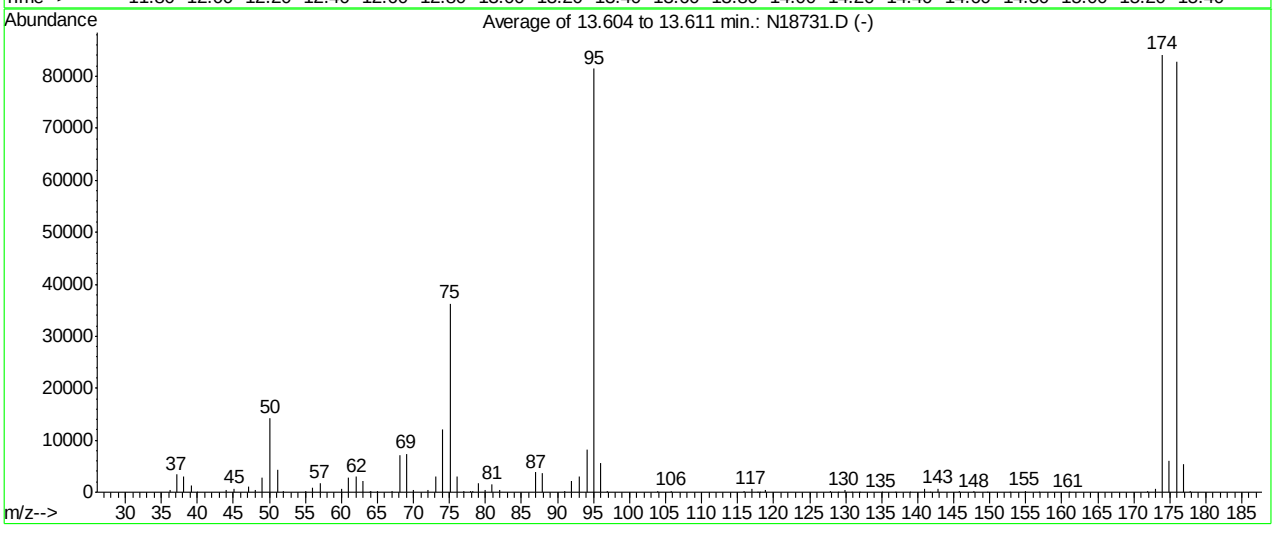
| Ion | Exp% | Act% |
|---|---|---|
| 41.00 | 100 | 100 |
| 40.00 | 242.10 | 43.76# |
| 39.00 | 74.00 | 68.06 |
| 0.00 | 0.00 | 0.00 |

G69286.D G042507W.M Mon Apr 30 13:03:39 2007 RP1

SW-846 Method 8260

```
Data File : C:\MSDCHEM\1\DATA\N18731.D                    Vial: 15
Acq On    : 20 Apr 2007   2:54 pm                    Operator: alit
Sample    : bfb                                      Inst    : MAMSN
Misc      : ms13382,msn678,,,,5,1                    Multiplr: 1.00
MS Integration Params: rteint.p
Method    : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title     : SW-846 Method 8260
```




Spectrum Information: Average of 13.604 to 13.611 min.

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 15 | 40 | 17.5 | 14247 | PASS |
| 75 | 95 | 30 | 60 | 44.5 | 36301 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 81493 | PASS |
| 96 | 95 | 5 | 9 | 6.8 | 5537 | PASS |
| 173 | 174 | 0.00 | 2 | 0.8 | 676 | PASS |
| 174 | 95 | 50 | 150 | 103.3 | 84205 | PASS |
| 175 | 174 | 5 | 9 | 7.2 | 6059 | PASS |
| 176 | 174 | 95 | 101 | 98.3 | 82786 | PASS |
| 177 | 176 | 5 | 9 | 6.5 | 5395 | PASS |

N18731.D  N042007W.M  Sat Apr 21 14:02:00 2007  RP1

Average of 13.604 to 13.611 min.: N18731.D
bfb
Modified:subtracted

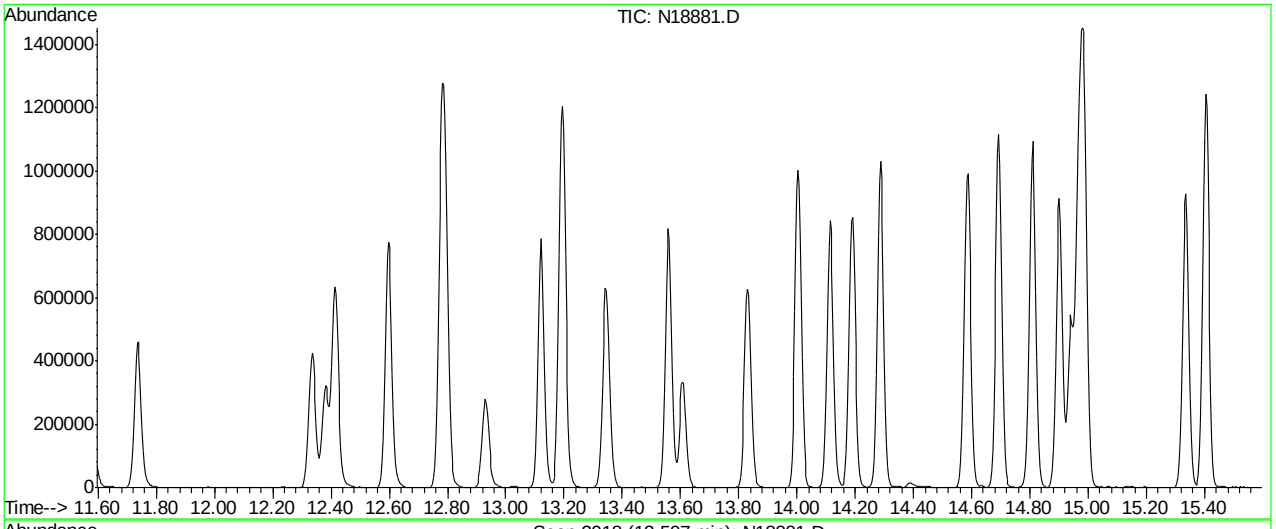
| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 36.15 | 527 | 51.10 | 4301 | 65.05 | 191 | 77.95 | 234 |
| 37.10 | 3420 | 52.00 | 182 | 67.10 | 191 | 78.20 | 145 |
| 38.10 | 3051 | 55.05 | 139 | 68.05 | 7147 | 78.95 | 1770 |
| 39.10 | 1223 | 56.05 | 957 | 69.05 | 7349 | 80.00 | 507 |
| 40.00 | 9 | 57.05 | 1764 | 70.05 | 459 | 80.95 | 1619 |
| 44.00 | 449 | 60.05 | 581 | 72.00 | 407 | 81.95 | 366 |
| 45.10 | 759 | 61.00 | 2894 | 73.05 | 3088 | 87.00 | 3867 |
| 47.05 | 1076 | 62.10 | 2969 | 74.10 | 12046 | 87.95 | 3608 |
| 48.00 | 408 | 63.05 | 2257 | 75.10 | 36301 | 90.95 | 260 |
| 49.05 | 2769 | 63.90 | 67 | 76.05 | 3087 | 92.00 | 2138 |
| 50.10 | 14247 | 64.05 | 168 | 77.05 | 278 | 93.00 | 2929 |

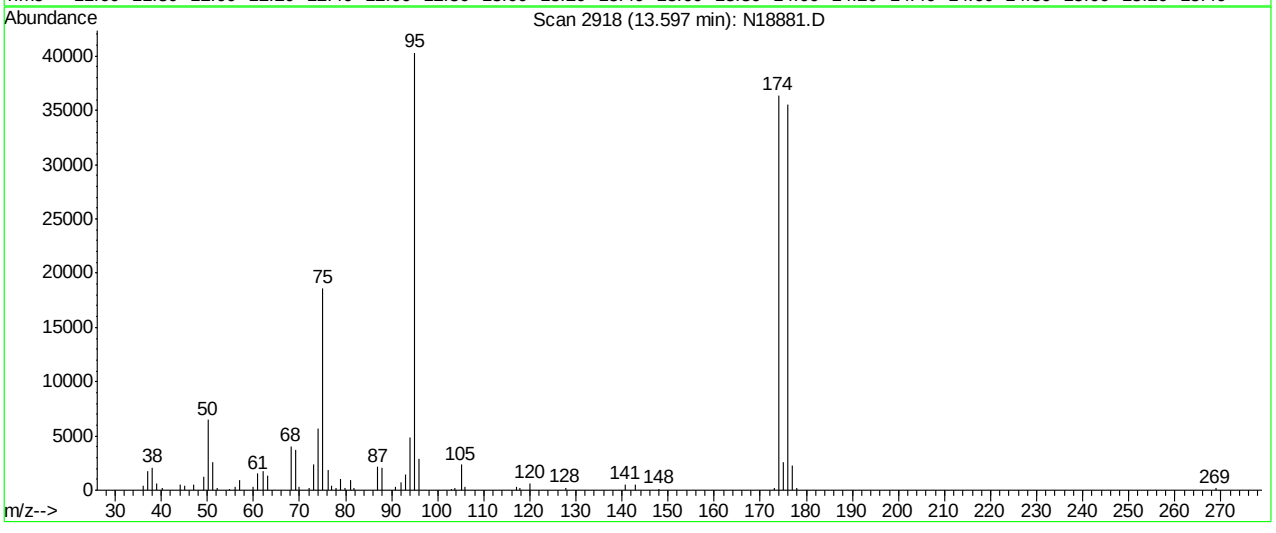
Average of 13.604 to 13.611 min.: N18731.D
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 94.05 | 8191 | 127.85 | 248 | 145.80 | 130 | 175.95 | 82786 |
| 95.10 | 81493 | 128.90 | 66 | 147.85 | 170 | 176.90 | 5395 |
| 96.05 | 5537 | 129.85 | 412 | 149.70 | 53 | 177.80 | 141 |
| 96.95 | 151 | 130.80 | 58 | 152.80 | 74 | | |
| 103.85 | 239 | 132.00 | 54 | 154.95 | 259 | | |
| 105.80 | 310 | 135.00 | 114 | 156.90 | 67 | | |
| 115.85 | 242 | 136.90 | 88 | 161.00 | 64 | | |
| 116.95 | 549 | 139.00 | 52 | 171.85 | 323 | | |
| 117.80 | 71 | 140.90 | 654 | 172.95 | 676 | | |
| 118.00 | 66 | 141.70 | 51 | 174.00 | 84205 | | |
| 118.90 | 387 | 142.85 | 659 | 174.95 | 6059 | | |

SW-846 Method 8260

```
Data File : C:\MSDCHEM\1\DATA\N18881.D                    Vial: 17
Acq On    : 26 Apr 2007  10:43 am                    Operator: alit
Sample    : BFB,BFB 50NG STD                         Inst    : MAMSN
Misc      : ms13429,msn683,,,,5,1                    Multiplr: 1.00
MS Integration Params: rteint.p
Method    : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title     : SW-846 Method 8260
```




Spectrum Information: Scan 2918

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 15 | 40 | 16.1 | 6481 | PASS |
| 75 | 95 | 30 | 60 | 46.1 | 18600 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 40336 | PASS |
| 96 | 95 | 5 | 9 | 7.2 | 2907 | PASS |
| 173 | 174 | 0.00 | 2 | 0.7 | 242 | PASS |
| 174 | 95 | 50 | 150 | 90.2 | 36400 | PASS |
| 175 | 174 | 5 | 9 | 7.1 | 2602 | PASS |
| 176 | 174 | 95 | 101 | 97.5 | 35496 | PASS |
| 177 | 176 | 5 | 9 | 6.4 | 2276 | PASS |

N18881.D  N042007W.M  Fri Apr 27 10:43:21 2007  RP1

Scan 2918 (13.597 min): N18881.D
BFB,BFB 50NG STD

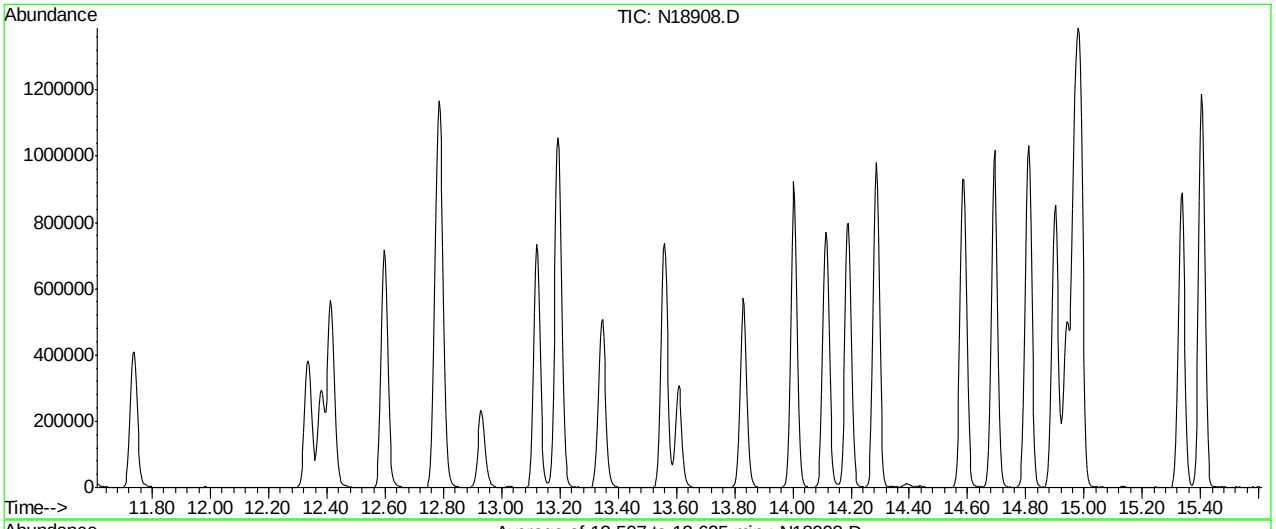
| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 36.10 | 430 | 52.10 | 229 | 72.00 | 228 | 87.00 | 2155 |
| 37.10 | 1770 | 54.90 | 159 | 73.10 | 2367 | 87.90 | 2026 |
| 38.10 | 2084 | 55.90 | 323 | 74.10 | 5718 | 90.90 | 323 |
| 39.10 | 675 | 57.00 | 962 | 75.10 | 18600 | 92.00 | 717 |
| 40.10 | 258 | 60.00 | 298 | 76.10 | 1850 | 93.00 | 1479 |
| 44.10 | 507 | 61.00 | 1526 | 76.90 | 422 | 94.00 | 4849 |
| 45.00 | 461 | 62.10 | 1757 | 77.90 | 234 | 95.00 | 40336 |
| 47.00 | 554 | 63.10 | 1312 | 78.90 | 1030 | 96.00 | 2907 |
| 49.10 | 1294 | 68.10 | 4030 | 79.90 | 173 | 103.00 | 154 |
| 50.10 | 6481 | 69.10 | 3722 | 81.00 | 894 | 103.80 | 177 |
| 51.10 | 2622 | 70.00 | 318 | 81.90 | 214 | 105.10 | 2358 |

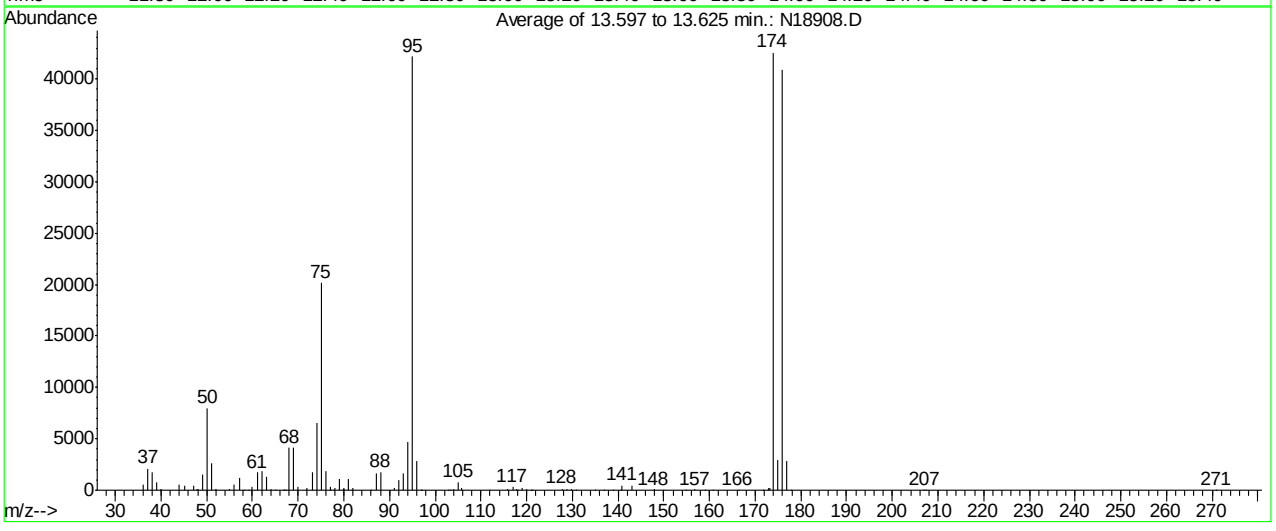
Scan 2918 (13.597 min): N18881.D
BFB,BFB 50NG STD

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 106.00 | 298 | 175.90 | 35496 | | | | |
| 117.00 | 306 | 176.90 | 2276 | | | | |
| 117.90 | 251 | 177.90 | 166 | | | | |
| 120.10 | 640 | 268.90 | 172 | | | | |
| 127.80 | 243 | | | | | | |
| 140.80 | 534 | | | | | | |
| 143.00 | 526 | | | | | | |
| 148.00 | 150 | | | | | | |
| 173.10 | 242 | | | | | | |
| 174.00 | 36400 | | | | | | |
| 174.90 | 2602 | | | | | | |

SW-846 Method 8260

Data File : C:\MSDCHEM\1\DATA\N18908.D  Vial: 17
Acq On : 27 Apr 2007 10:08 am  Operator: alit
Sample : BFB,BFB 50NG STD  Inst : MAMSN
Misc : ms13429,msn684,,,,5,1  Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260




Spectrum Information: Average of 13.597 to 13.625 min.

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 15 | 40 | 18.9 | 7986 | PASS |
| 75 | 95 | 30 | 60 | 47.8 | 20130 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 42144 | PASS |
| 96 | 95 | 5 | 9 | 6.7 | 2821 | PASS |
| 173 | 174 | 0.00 | 2 | 0.5 | 206 | PASS |
| 174 | 95 | 50 | 150 | 101.0 | 42574 | PASS |
| 175 | 174 | 5 | 9 | 7.0 | 2986 | PASS |
| 176 | 174 | 95 | 101 | 96.1 | 40898 | PASS |
| 177 | 176 | 5 | 9 | 7.0 | 2861 | PASS |

N18908.D N042007W.M Sat Apr 28 10:56:37 2007 RP1

Average of 13.597 to 13.625 min.: N18908.D
BFB,BFB 50NG STD

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 36.05 | 545 | 49.10 | 1583 | 61.05 | 1700 | 72.00 | 205 |
| 37.10 | 2101 | 50.10 | 7986 | 62.05 | 1836 | 73.05 | 1713 |
| 38.10 | 1787 | 51.05 | 2571 | 63.05 | 1270 | 74.05 | 6520 |
| 39.10 | 782 | 51.80 | 16 | 64.05 | 81 | 75.10 | 20130 |
| 39.90 | 52 | 52.15 | 61 | 65.00 | 18 | 76.05 | 1820 |
| 40.05 | 138 | 54.95 | 93 | 66.80 | 18 | 77.00 | 381 |
| 44.05 | 596 | 56.05 | 516 | 66.95 | 56 | 77.15 | 52 |
| 45.10 | 401 | 57.10 | 1176 | 67.20 | 26 | 77.70 | 19 |
| 47.15 | 484 | 58.10 | 17 | 68.05 | 4127 | 78.00 | 191 |
| 47.95 | 138 | 59.20 | 17 | 69.05 | 4124 | 78.95 | 1117 |
| 48.15 | 65 | 60.00 | 322 | 69.95 | 339 | 79.80 | 18 |

Average of 13.597 to 13.625 min.: N18908.D
BFB,BFB 50NG STD

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 79.90 | 133 | 94.00 | 4733 | 115.90 | 140 | 130.80 | 49 |
| 80.05 | 176 | 95.05 | 42144 | 116.95 | 292 | 134.90 | 21 |
| 80.95 | 1109 | 96.05 | 2821 | 117.85 | 130 | 136.85 | 47 |
| 81.70 | 21 | 96.90 | 19 | 118.05 | 50 | 138.90 | 18 |
| 81.95 | 187 | 97.05 | 43 | 118.90 | 195 | 140.70 | 24 |
| 86.00 | 19 | 102.90 | 29 | 120.00 | 109 | 140.95 | 483 |
| 87.05 | 1675 | 103.20 | 20 | 121.00 | 23 | 143.00 | 465 |
| 88.00 | 1760 | 104.00 | 135 | 121.20 | 17 | 147.85 | 109 |
| 91.00 | 213 | 105.10 | 777 | 127.80 | 137 | 149.80 | 20 |
| 91.95 | 1018 | 105.85 | 204 | 128.90 | 63 | 154.80 | 47 |
| 93.00 | 1601 | 111.90 | 19 | 129.85 | 91 | 156.85 | 62 |

Average of 13.597 to 13.625 min.: N18908.D
BFB,BFB 50NG STD

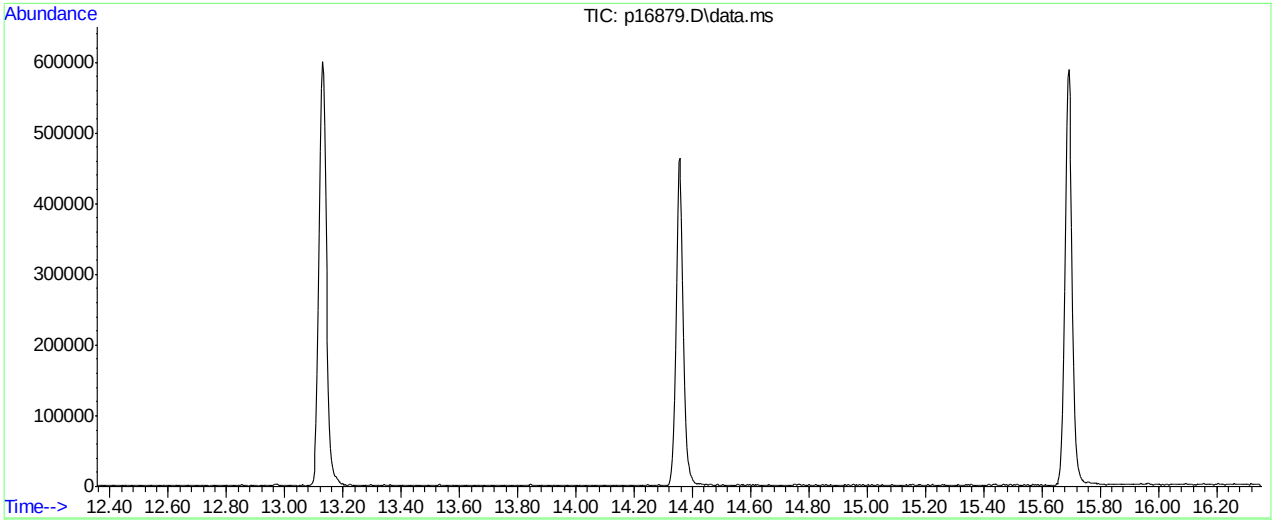
| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 159.00 | 18 | 177.80 | 16 | | | | |
| 160.80 | 17 | 206.85 | 34 | | | | |
| 166.30 | 19 | 207.20 | 36 | | | | |
| 171.85 | 45 | 270.90 | 17 | | | | |
| 172.70 | 53 | | | | | | |
| 172.95 | 168 | | | | | | |
| 173.20 | 206 | | | | | | |
| 173.95 | 42574 | | | | | | |
| 174.95 | 2986 | | | | | | |
| 175.95 | 40898 | | | | | | |
| 176.95 | 2861 | | | | | | |

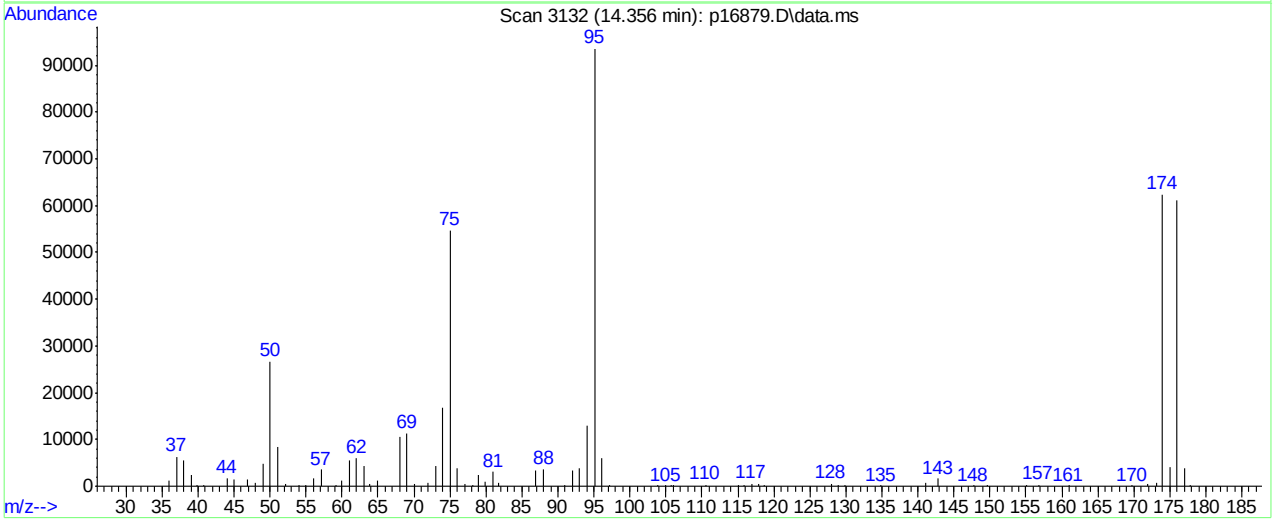
SW-846 Method 8260

Data File : C:\msdchem\1\DATA\p16879.D
Acq On : 17 Apr 2007 4:04 pm
Sample : bfb
Misc : ms13376,msp577,,,,5,1
MS Integration Params: RTEINT.P

Vial: 7
Operator: amym
Inst : Instrument #1
Multiplr: 1.00

Method : C:\msdchem\1\METHODS\P041707w.M (RTE Integrator)
Title : SW-846 Method 8260




Spectrum Information: Scan 3132

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 15 | 40 | 28.5 | 26656 | PASS |
| 75 | 95 | 30 | 60 | 58.4 | 54672 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 93616 | PASS |
| 96 | 95 | 5 | 9 | 6.4 | 6034 | PASS |
| 173 | 174 | 0.00 | 2 | 1.3 | 808 | PASS |
| 174 | 95 | 50 | 100 | 66.6 | 62344 | PASS |
| 175 | 174 | 5 | 9 | 6.6 | 4110 | PASS |
| 176 | 174 | 95 | 101 | 98.0 | 61120 | PASS |
| 177 | 176 | 5 | 9 | 6.3 | 3838 | PASS |

p16879.D P041707w.M Thu Apr 19 14:43:46 2007 RP

Scan 3132 (14.356 min): p16879.D\data.ms
bfb

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 36.00 | 1261 | 50.00 | 26656 | 63.00 | 4295 | 77.00 | 505 |
| 37.00 | 6291 | 51.00 | 8436 | 63.90 | 372 | 78.10 | 199 |
| 38.00 | 5593 | 52.10 | 397 | 65.00 | 1271 | 78.90 | 2409 |
| 39.10 | 2398 | 54.10 | 225 | 68.00 | 10619 | 79.90 | 1080 |
| 39.90 | 284 | 54.90 | 186 | 69.00 | 11383 | 81.00 | 3039 |
| 40.80 | 153 | 56.10 | 1577 | 70.00 | 534 | 81.80 | 716 |
| 44.00 | 1779 | 57.10 | 3569 | 72.00 | 649 | 86.90 | 3406 |
| 45.00 | 1463 | 59.10 | 178 | 73.00 | 4228 | 88.00 | 3688 |
| 46.90 | 1552 | 60.00 | 1173 | 74.00 | 16752 | 91.00 | 198 |
| 47.90 | 706 | 61.00 | 5634 | 75.00 | 54672 | 92.00 | 3391 |
| 49.00 | 4733 | 62.00 | 6069 | 76.00 | 3953 | 93.00 | 3855 |

Scan 3132 (14.356 min): p16879.D\data.ms
bfb

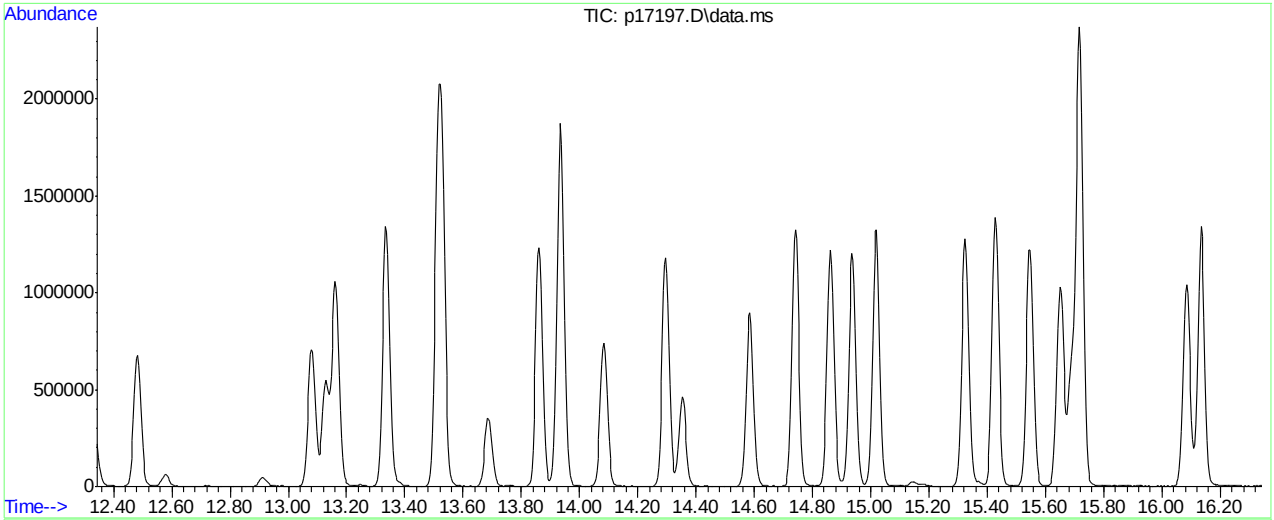
| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 94.00 | 12962 | 116.90 | 499 | 155.10 | 169 | | |
| 95.10 | 93616 | 117.80 | 441 | 156.80 | 289 | | |
| 96.10 | 6034 | 118.70 | 225 | 161.00 | 204 | | |
| 97.20 | 197 | 128.00 | 539 | 169.80 | 157 | | |
| 103.90 | 232 | 129.00 | 328 | 171.90 | 505 | | |
| 105.00 | 238 | 129.90 | 284 | 173.10 | 808 | | |
| 105.70 | 178 | 134.90 | 155 | 174.00 | 62344 | | |
| 106.10 | 193 | 141.00 | 757 | 175.00 | 4110 | | |
| 110.50 | 273 | 142.80 | 1597 | 176.00 | 61120 | | |
| 115.00 | 174 | 147.70 | 187 | 177.00 | 3838 | | |
| 115.90 | 194 | 149.70 | 158 | 177.80 | 191 | | |

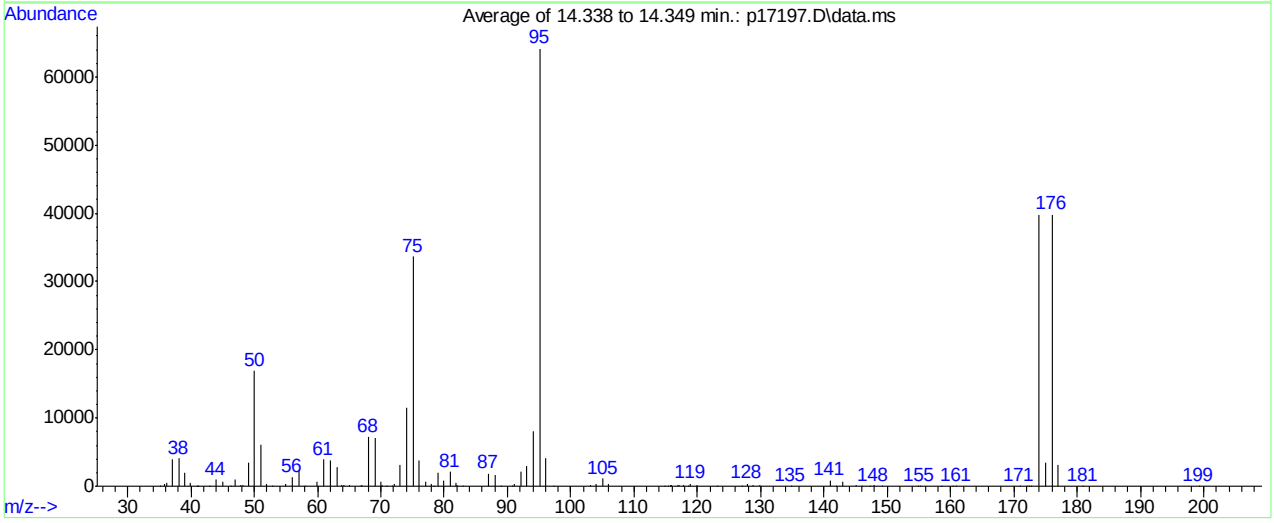
SW-846 Method 8260

Data File : C:\msdchem\1\DATA\p17197.D
Acq On : 26 Apr 2007 9:41 am
Sample : bfb
Misc : ms13435,msp589,,,,5,1
MS Integration Params: RTEINT.P

Vial: 1
Operator: amym
Inst : Instrument #1
Multiplr: 1.00

Method : C:\msdchem\1\METHODS\P041707w.M (RTE Integrator)
Title : SW-846 Method 8260




Spectrum Information: Average of 14.338 to 14.349 min.

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 15 | 40 | 26.3 | 16868 | PASS |
| 75 | 95 | 30 | 60 | 52.5 | 33672 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 64172 | PASS |
| 96 | 95 | 5 | 9 | 6.3 | 4074 | PASS |
| 173 | 174 | 0.00 | 2 | 0.2 | 85 | PASS |
| 174 | 95 | 50 | 100 | 62.0 | 39770 | PASS |
| 175 | 174 | 5 | 9 | 8.8 | 3494 | PASS |
| 176 | 174 | 95 | 101 | 100.2 | 39856 | PASS |
| 177 | 176 | 5 | 9 | 7.7 | 3075 | PASS |

p17197.D P041707w.M Fri Apr 27 09:51:00 2007 RP

Average of 14.338 to 14.349 min.: p17197.D\data.ms
bfb

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 35.20 | 39 | 45.05 | 725 | 56.00 | 1367 | 67.05 | 128 |
| 35.90 | 412 | 46.20 | 77 | 57.00 | 2379 | 68.00 | 7231 |
| 36.15 | 417 | 47.00 | 1057 | 57.90 | 53 | 69.05 | 7004 |
| 37.05 | 3868 | 47.95 | 188 | 59.95 | 648 | 69.95 | 717 |
| 38.05 | 4092 | 48.20 | 158 | 60.95 | 3931 | 70.20 | 158 |
| 39.05 | 1921 | 49.05 | 3520 | 62.05 | 3815 | 70.80 | 38 |
| 39.95 | 459 | 50.05 | 16868 | 63.05 | 2855 | 71.80 | 50 |
| 41.00 | 49 | 51.05 | 6108 | 63.85 | 121 | 72.15 | 256 |
| 41.20 | 37 | 52.00 | 287 | 64.15 | 124 | 73.05 | 3201 |
| 42.90 | 46 | 52.90 | 47 | 65.05 | 187 | 74.05 | 11520 |
| 43.95 | 976 | 54.95 | 312 | 66.80 | 74 | 75.05 | 33672 |

Average of 14.338 to 14.349 min.: p17197.D\data.ms
bfb

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 76.05 | 3723 | 88.05 | 1724 | 103.95 | 316 | 118.60 | 37 |
| 77.05 | 681 | 88.90 | 72 | 105.10 | 1138 | 118.95 | 413 |
| 77.95 | 288 | 90.80 | 70 | 105.95 | 394 | 119.95 | 191 |
| 78.30 | 72 | 91.05 | 397 | 114.80 | 66 | 123.10 | 38 |
| 78.95 | 2020 | 92.05 | 2106 | 115.40 | 38 | 127.00 | 48 |
| 79.95 | 781 | 93.05 | 2897 | 115.70 | 67 | 127.90 | 332 |
| 80.95 | 2083 | 94.05 | 8046 | 115.80 | 150 | 128.85 | 123 |
| 81.85 | 543 | 95.10 | 64172 | 115.95 | 193 | 129.85 | 109 |
| 82.10 | 100 | 96.05 | 4074 | 116.85 | 227 | 134.80 | 78 |
| 82.90 | 42 | 97.20 | 38 | 117.15 | 228 | 140.95 | 849 |
| 87.00 | 1884 | 103.05 | 248 | 117.85 | 211 | 141.90 | 50 |

Average of 14.338 to 14.349 min.: p17197.D\data.ms
bfb

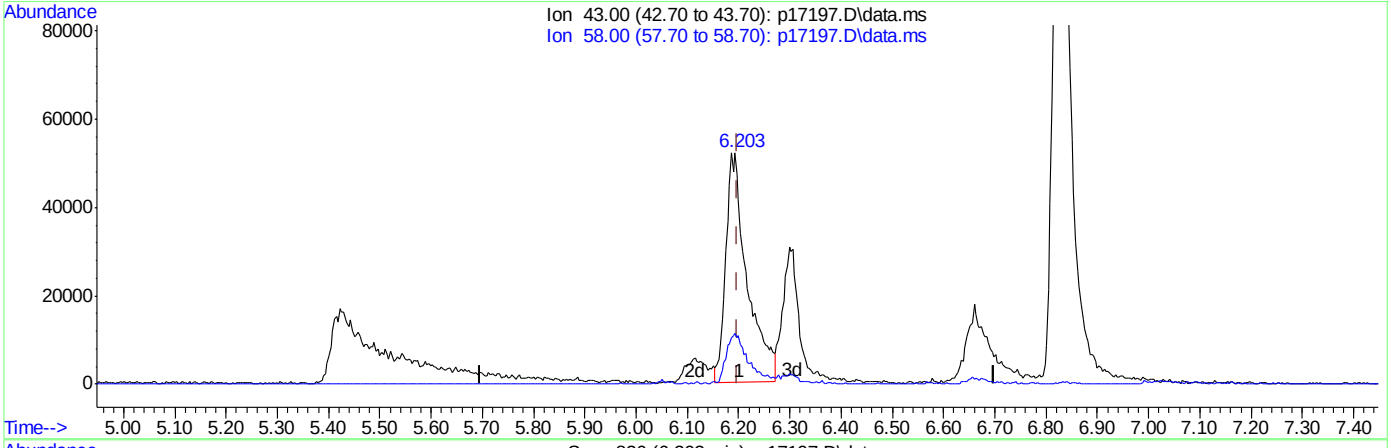
| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 142.95 | 747 | 170.90 | 45 | | | | |
| 145.00 | 156 | 172.00 | 76 | | | | |
| 146.00 | 62 | 172.40 | 79 | | | | |
| 147.20 | 51 | 172.70 | 85 | | | | |
| 147.90 | 136 | 174.00 | 39770 | | | | |
| 149.10 | 62 | 174.95 | 3494 | | | | |
| 154.80 | 62 | 176.00 | 39856 | | | | |
| 155.10 | 68 | 176.95 | 3075 | | | | |
| 158.60 | 52 | 180.90 | 47 | | | | |
| 160.30 | 39 | 199.20 | 37 | | | | |
| 160.90 | 41 | | | | | | |

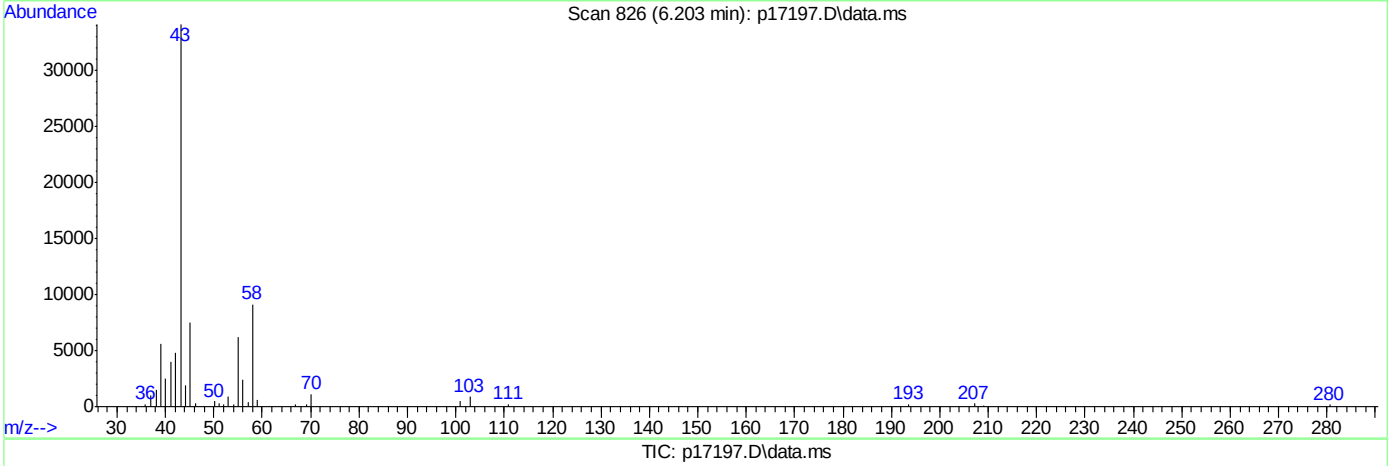
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : p17197.D
Acq On : 26 Apr 2007 9:41 am
Operator : amym
Sample : cc577-100
Misc : ms13435,msp589,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 27 12:20:54 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Apr 27 11:51:32 2007
Response via : Initial Calibration






TIC: p17197.D\data.ms

(16) acetone (M)

6.203min (+0.005) 141.08ug/L

response 150143

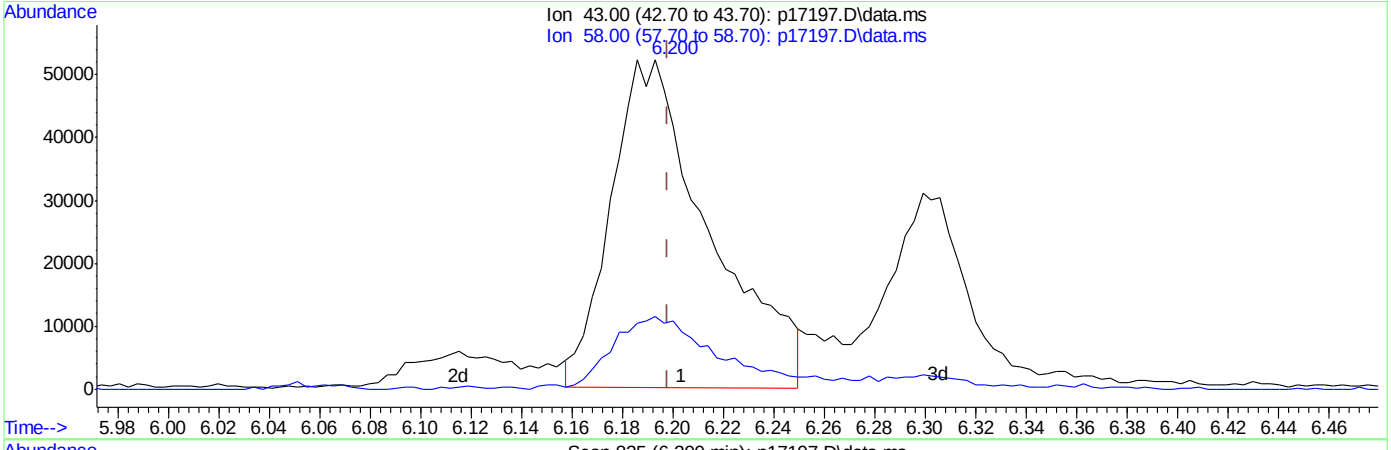
| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 58.00 | 32.40 | 27.80 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

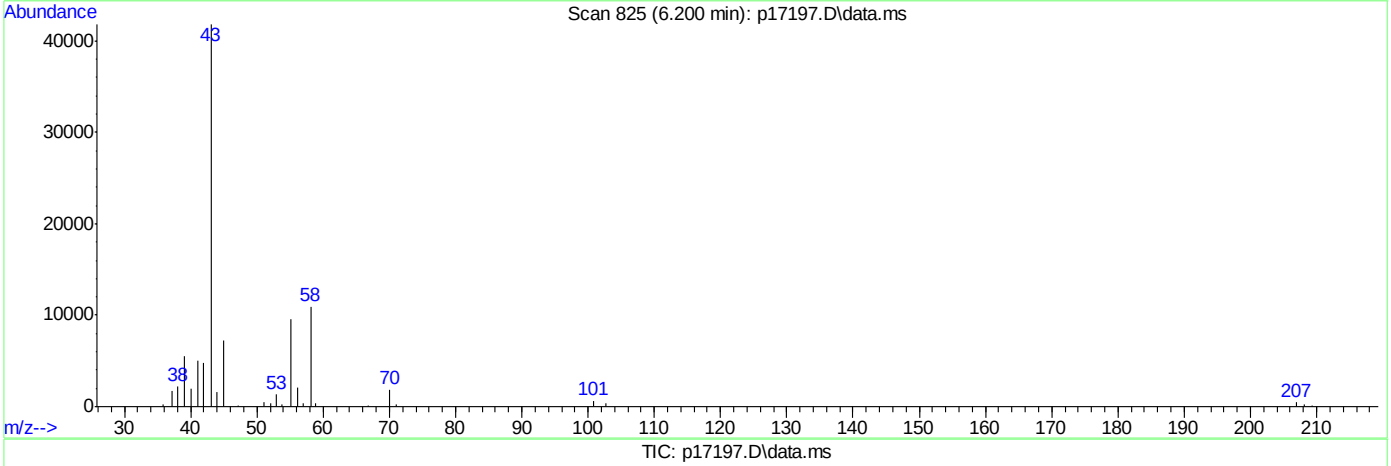
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : p17197.D
Acq On : 26 Apr 2007 9:41 am
Operator : amym
Sample : cc577-100
Misc : ms13435,msp589,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 27 12:20:54 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Apr 27 11:51:32 2007
Response via : Initial Calibration






TIC: p17197.D\data.ms

(16) acetone (M)

6.200min (+0.002) 133.87ug/L m

response 141031

| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 58.00 | 32.40 | 26.13 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69170.D Vial: 4
Acq On : 25 Apr 2007 5:12 pm Operator: KIMT
Sample : IC2782-0.5 Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 8:35 2007 Quant Results File: G042507.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 07:42:36 2007
Response via : Initial Calibration
DataAcq Meth : G8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 6.44 | 65 | 98989 | 500.00 | ppb | 0.04 |
| 3) pentafluorobenzene | 8.74 | 168 | 446600 | 50.00 | ppb | 0.00 |
| 43) 1,4-difluorobenzene | 9.61 | 114 | 626421 | 50.00 | ppb | 0.00 |
| 66) chlorobenzene-d5 | 12.86 | 82 | 319560 | 50.00 | ppb | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 15.42 | 152 | 362879 | 50.00 | ppb | 0.00 |

System Monitoring Compounds

| | | | | | | |
|---|---|---|---|---|---|---|
| 40) dibromofluoromethane (s) | 8.38 | 113 | 192843 | 49.67 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 83 - 127 | | Recovery = 99.34% | | | |
| 60) toluene-d8 (s) | 11.40 | 98 | 761120 | 49.78 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 89 - 112 | | Recovery = 99.56% | | | |
| 82) bromofluorobenzene (s) | 14.09 | 95 | 296831 | 47.83 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 81 - 119 | | Recovery = 95.66% | | | |

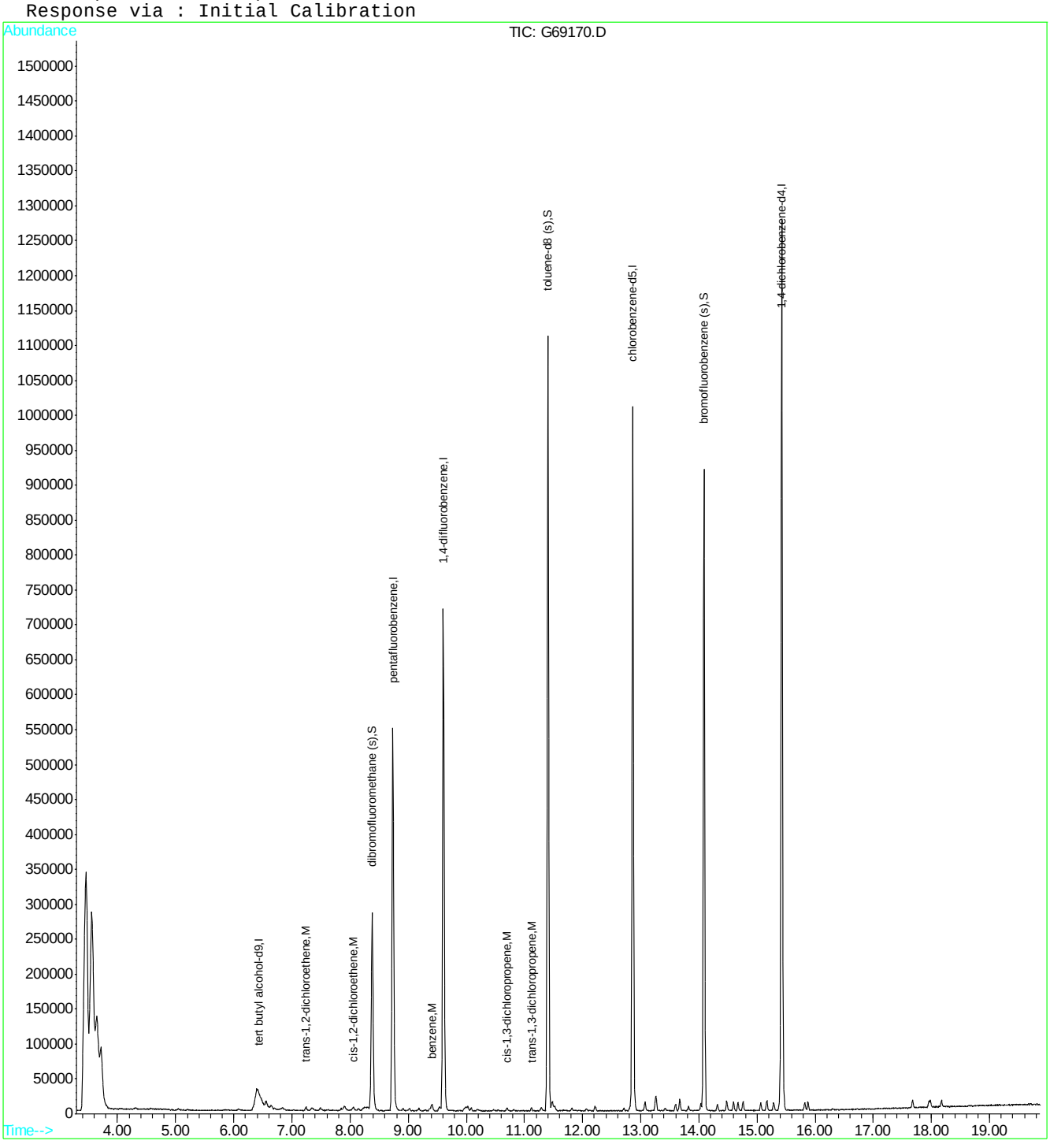
| Target Compounds | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 22) trans-1,2-dichloroethene | 7.24 | 96 | 2556 | 0.58 | ppb | 92 |
| 36) cis-1,2-dichloroethene | 8.06 | 96 | 2825 | 0.57 | ppb | 93 |
| 47) benzene | 9.41 | 78 | 8528 | 0.48 | ppb | 80 |
| 59) cis-1,3-dichloropropene | 10.70 | 75 | 2857 | 0.40 | ppb | 83 |
| 63) trans-1,3-dichloropropene | 11.12 | 75 | 2218 | 0.36 | ppb | 98 |

(#) = qualifier out of range (m) = manual integration
G69170.D G042507.M Thu Apr 26 08:35:55 2007 RP1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\G69170.D  Vial: 4
Acq On : 25 Apr 2007 5:12 pm  Operator: KIMT
Sample : IC2782-0.5  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 8:35 2007  Quant Results File: G042507.RES

Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 08:33:47 2007
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 04/27/07 13:56

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69171.D Vial: 5
Acq On : 25 Apr 2007 5:39 pm Operator: KIMT
Sample : IC2782-1 Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 8:22 2007 Quant Results File: G042507.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 07:42:36 2007
Response via : Initial Calibration
DataAcq Meth : G8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 6.46 | 65 | 114637 | 500.00 | ppb | 0.07 |
| 3) pentafluorobenzene | 8.74 | 168 | 449862 | 50.00 | ppb | 0.00 |
| 43) 1,4-difluorobenzene | 9.61 | 114 | 627476 | 50.00 | ppb | 0.00 |
| 66) chlorobenzene-d5 | 12.86 | 82 | 324508 | 50.00 | ppb | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 15.42 | 152 | 364279 | 50.00 | ppb | 0.00 |

System Monitoring Compounds

| | | | | | | |
|---|---|---|---|---|---|---|
| 40) dibromofluoromethane (s) | 8.38 | 113 | 194155 | 49.65 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 83 - 127 | | Recovery = 99.30% | | | |
| 60) toluene-d8 (s) | 11.40 | 98 | 769040 | 50.21 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 89 - 112 | | Recovery = 100.42% | | | |
| 82) bromofluorobenzene (s) | 14.09 | 95 | 298831 | 47.97 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 81 - 119 | | Recovery = 95.94% | | | |

Target Compounds

| | | | | | | | Qvalue |
|---|---|---|---|---|---|---|---|
| 2) tertiary butyl alcohol | 6.49 | 59 | 3367m | 13.62 | ppb | | |
| 5) dichlorodifluoromethane | 4.14 | 85 | 4674 | 1.05 | ppb | | 94 |
| 6) chloromethane | 4.31 | 50 | 5571 | 1.28 | ppb | | 90 |
| 7) vinyl chloride | 4.57 | 62 | 5651 | 1.33 | ppb | | 94 |
| 8) bromomethane | 5.05 | 96 | 4048 | 1.18 | ppb | | 76 |
| 9) chloroethane | 5.22 | 64 | 3487 | 1.09 | ppb | | 81 |
| 10) ethyl ether | 6.09 | 59 | 3223 | 0.83 | ppb | | 84 |
| 12) trichlorofluoromethane | 5.86 | 101 | 5692 | 1.06 | ppb | | 95 |
| 13) freon-113 | 6.63 | 101 | 3799 | 1.00 | ppb | | 80 |
| 14) acrolein | 5.83 | 56 | 649 | 0.87 | ppb | | 94 |
| 15) 1,1-dichloroethene | 6.42 | 96 | 4369 | 1.07 | ppb | | 76 |
| 17) Methyl Acetate | 6.65 | 43 | 4200 | 0.64 | ppb | # | 65 |
| 18) methylene chloride | 6.56 | 84 | 6952 | 1.45 | ppb | | 95 |
| 19) methyl tert butyl ether | 7.35 | 73 | 11369 | 0.88 | ppb | | 88 |
| 20) acrylonitrile | 6.51 | 53 | 8279 | 4.54 | ppb | | 93 |
| 21) allyl chloride | 6.65 | 41 | 6741 | 0.99 | ppb | | 97 |
| 22) trans-1,2-dichloroethene | 7.24 | 96 | 4592 | 1.03 | ppb | # | 78 |
| 23) iodomethane | 6.48 | 142 | 7774 | 1.00 | ppb | | 94 |
| 24) carbon disulfide | 6.84 | 76 | 14429 | 1.18 | ppb | | 90 |
| 26) vinyl acetate | 7.62 | 43 | 6425 | 0.68 | ppb | | 75 |
| 27) chloroprene | 7.85 | 53 | 5501 | 0.96 | ppb | | 91 |
| 28) di-isopropyl ether | 7.90 | 45 | 15763 | 1.02 | ppb | | 75 |
| 29) methacrylonitrile | 8.02 | 41 | 1871 | 0.59 | ppb | | 70 |
| 31) Hexane | 7.88 | 41 | 7126 | 1.13 | ppb | # | 89 |
| 32) 1,1-dichloroethane | 7.49 | 63 | 8183 | 1.06 | ppb | | 91 |
| 33) tert-butyl ethyl ether | 8.30 | 59 | 12672 | 0.88 | ppb | | 92 |
| 34) isobutyl alcohol | 8.30 | 43 | 1915 | 3.89 | ppb | | 83 |
| 35) 2,2-dichloropropane | 8.35 | 77 | 5193 | 0.98 | ppb | | 95 |
| 36) cis-1,2-dichloroethene | 8.06 | 96 | 5304 | 1.06 | ppb | | 92 |
| 37) ethyl acetate | 8.30 | 43 | 1915 | 0.78 | ppb | | 63 |
| 38) bromochloromethane | 8.22 | 128 | 2563 | 1.01 | ppb | | 85 |
| 39) chloroform | 8.26 | 83 | 8363 | 1.09 | ppb | | 77 |
| 41) Tetrahydrofuran | 8.65 | 42 | 1120 | 0.75 | ppb | | 98 |
| 42) 1,1,1-trichloroethane | 9.02 | 97 | 6778 | 1.06 | ppb | | 89 |
| 44) Cyclohexane | 9.30 | 56 | 7252 | 0.98 | ppb | | 95 |

(#) = qualifier out of range (m) = manual integration
G69171.D G042507.M Thu Apr 26 08:33:26 2007 RP1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69171.D Vial: 5
Acq On : 25 Apr 2007 5:39 pm Operator: KIMT
Sample : IC2782-1 Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 8:22 2007 Quant Results File: G042507.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 07:42:36 2007
Response via : Initial Calibration
DataAcq Meth : G8260

| | Compound | R.T. | QIon | Response | Conc Unit | | Qvalue |
|---|---|---|---|---|---|---|---|
| 45) | carbon tetrachloride | 9.38 | 117 | 6123 | 1.05 ppb | | 91 |
| 46) | 1,1-dichloropropene | 9.18 | 75 | 5593 | 0.97 ppb | | 93 |
| 47) | benzene | 9.41 | 78 | 18702 | 1.06 ppb | | 97 |
| 48) | 1,2-dichloroethane | 8.91 | 62 | 6152 | 1.12 ppb | | 95 |
| 49) | tert-amyl methyl ether | 9.54 | 73 | 10666 | 0.78 ppb | | 92 |
| 50) | heptane | 9.89 | 43 | 6111 | 1.04 ppb | | 90 |
| 51) | trichloroethene | 10.03 | 95 | 4292 | 0.94 ppb | | 92 |
| 52) | 1,2-dichloropropane | 9.99 | 63 | 4750 | 1.09 ppb | | 98 |
| 53) | dibromomethane | 9.97 | 93 | 3004 | 1.07 ppb | | 89 |
| 54) | bromodichloromethane | 10.08 | 83 | 6360 | 1.03 ppb | | 96 |
| 55) | Methylcyclohexane | 10.55 | 83 | 7070 | 0.91 ppb | | 91 |
| 56) | 2-chloroethyl vinyl ether | 10.46 | 63 | 2021 | 0.72 ppb | # | 72 |
| 57) | methyl methacrylate | 10.19 | 69 | 2363 | 0.72 ppb | # | 64 |
| 59) | cis-1,3-dichloropropene | 10.70 | 75 | 6677 | 0.93 ppb | | 95 |
| 61) | 4-methyl-2-pentanone | 10.81 | 43 | 4086 | 0.87 ppb | # | 86 |
| 62) | toluene | 11.48 | 92 | 11664 | 1.02 ppb | | 92 |
| 63) | trans-1,3-dichloropropene | 11.12 | 75 | 5126 | 0.83 ppb | | 98 |
| 64) | 1,1,2-trichloroethane | 11.29 | 83 | 3495 | 1.02 ppb | | 79 |
| 65) | ethyl methacrylate | 11.50 | 69 | 4630 | 0.76 ppb | # | 70 |
| 67) | tetrachloroethene | 12.22 | 166 | 5582 | 0.96 ppb | | 97 |
| 68) | 1,3-dichloropropane | 11.53 | 76 | 7683 | 1.10 ppb | | 93 |
| 69) | dibromochloromethane | 11.81 | 129 | 5378 | 1.04 ppb | | 95 |
| 70) | 1,2-dibromoethane | 12.07 | 107 | 4074 | 0.92 ppb | | 98 |
| 71) | 2-hexanone | 11.40 | 43 | 3380 | 1.01 ppb | | 97 |
| 72) | chlorobenzene | 12.89 | 112 | 14115 | 1.04 ppb | | 95 |
| 73) | 1,1,1,2-tetrachloroethane | 12.81 | 131 | 5041 | 0.98 ppb | | 93 |
| 74) | ethylbenzene | 13.07 | 91 | 20575 | 0.94 ppb | | 95 |
| 75) | m,p-xylene | 13.26 | 106 | 16007 | 1.87 ppb | | 93 |
| 76) | o-xylene | 13.67 | 106 | 8138 | 0.93 ppb | | 97 |
| 77) | styrene | 13.60 | 104 | 11897 | 0.80 ppb | | 97 |
| 78) | bromoform | 13.42 | 173 | 4253 | 1.00 ppb | | 76 |
| 79) | trans-1,4-dichloro-2-buten | 13.82 | 53 | 1117 | 0.76 ppb | # | 85 |
| 81) | isopropylbenzene | 14.03 | 105 | 17819 | 0.84 ppb | | 100 |
| 83) | bromobenzene | 14.32 | 156 | 6212 | 0.85 ppb | | 92 |
| 84) | 1,1,2,2-tetrachloroethane | 13.67 | 83 | 6876 | 1.18 ppb | | 92 |
| 85) | 1,2,3-trichloropropane | 13.82 | 75 | 6059 | 0.88 ppb | | 99 |
| 86) | n-propylbenzene | 14.48 | 91 | 24324 | 0.89 ppb | | 96 |
| 87) | 2-chlorotoluene | 14.60 | 91 | 15243 | 0.91 ppb | | 87 |
| 88) | 4-chlorotoluene | 14.67 | 91 | 15567 | 0.92 ppb | | 92 |
| 89) | 1,3,5-trimethylbenzene | 14.76 | 105 | 17175 | 0.90 ppb | | 96 |
| 90) | tert-butylbenzene | 15.17 | 91 | 1778 | 0.92 ppb | | 79 |
| 91) | 1,2,4-trimethylbenzene | 15.17 | 105 | 17694 | 0.90 ppb | | 87 |
| 92) | sec-butylbenzene | 15.29 | 105 | 23010 | 0.99 ppb | | 94 |
| 93) | 1,3-dichlorobenzene | 15.38 | 146 | 12582 | 0.99 ppb | | 96 |
| 94) | p-isopropyltoluene | 15.46 | 119 | 21627 | 1.13 ppb | | 95 |
| 95) | 1,4-dichlorobenzene | 15.45 | 146 | 13681 | 1.14 ppb | | 92 |
| 96) | 1,2-dichlorobenzene | 15.82 | 146 | 12262 | 1.05 ppb | | 88 |
| 97) | n-butylbenzene | 15.88 | 91 | 17629 | 1.05 ppb | | 94 |
| 98) | 1,2-dibromo-3-chloropropan | 16.30 | 75 | 1172 | 1.20 ppb | # | 62 |

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69171.D Vial: 5
Acq On : 25 Apr 2007 5:39 pm Operator: KIMT
Sample : IC2782-1 Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 8:22 2007 Quant Results File: G042507.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 07:42:36 2007
Response via : Initial Calibration
DataAcq Meth : G8260

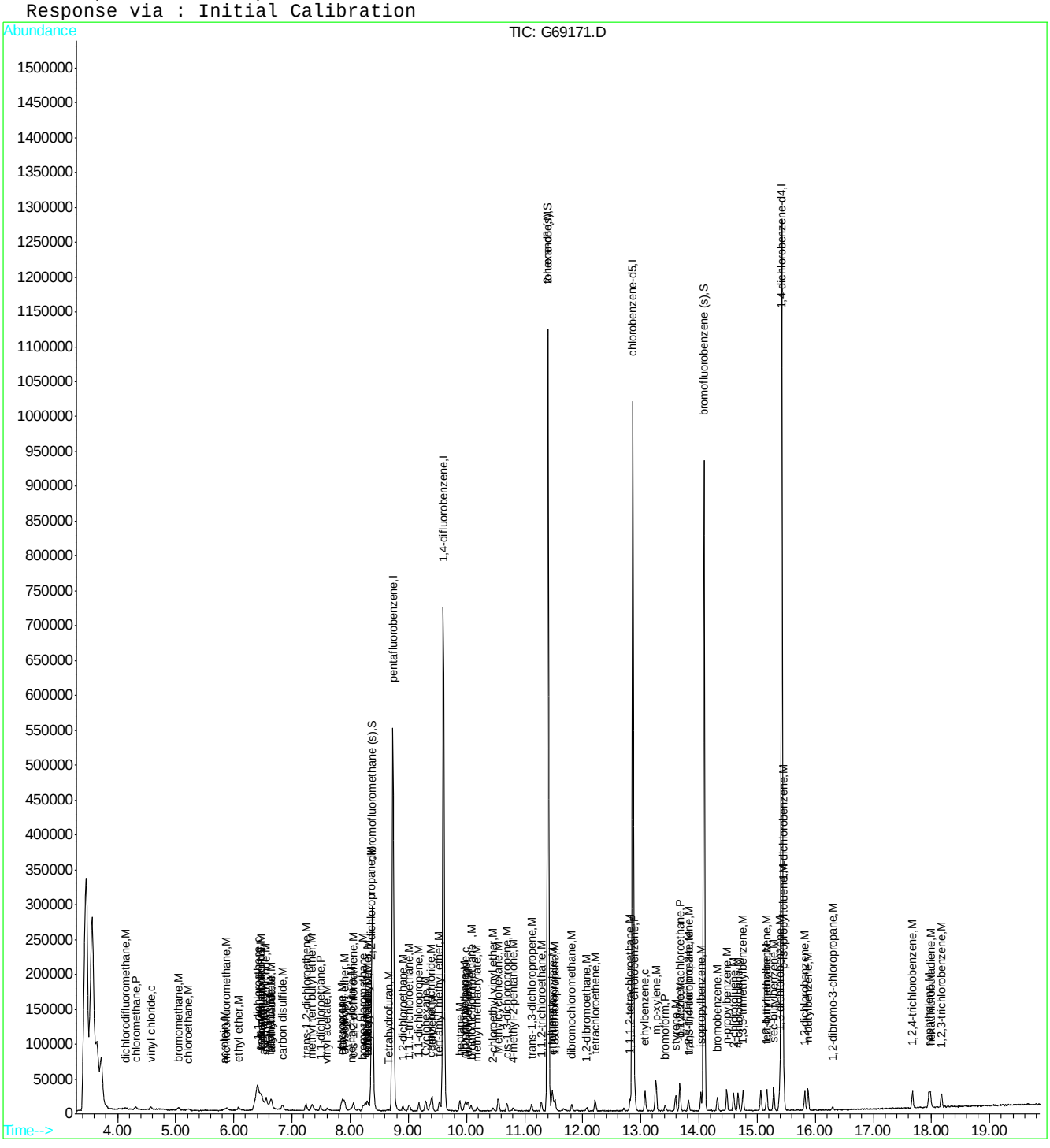
| | Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|---|
| 99) | 1,2,4-trichlorobenzene | 17.67 | 180 | 8778 | 1.15 ppb | 93 |
| 100) | hexachlorobutadiene | 17.98 | 225 | 5542 | 1.60 ppb | 93 |
| 101) | naphthalene | 17.95 | 128 | 17453 | 0.97 ppb | 100 |
| 102) | 1,2,3-trichlorobenzene | 18.17 | 180 | 7992 | 1.21 ppb | 97 |

(#) = qualifier out of range (m) = manual integration
G69171.D G042507.M Thu Apr 26 08:33:26 2007 RP1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\G69171.D  Vial: 5
Acq On : 25 Apr 2007 5:39 pm  Operator: KIMT
Sample : IC2782-1  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 8:22 2007  Quant Results File: G042507.RES

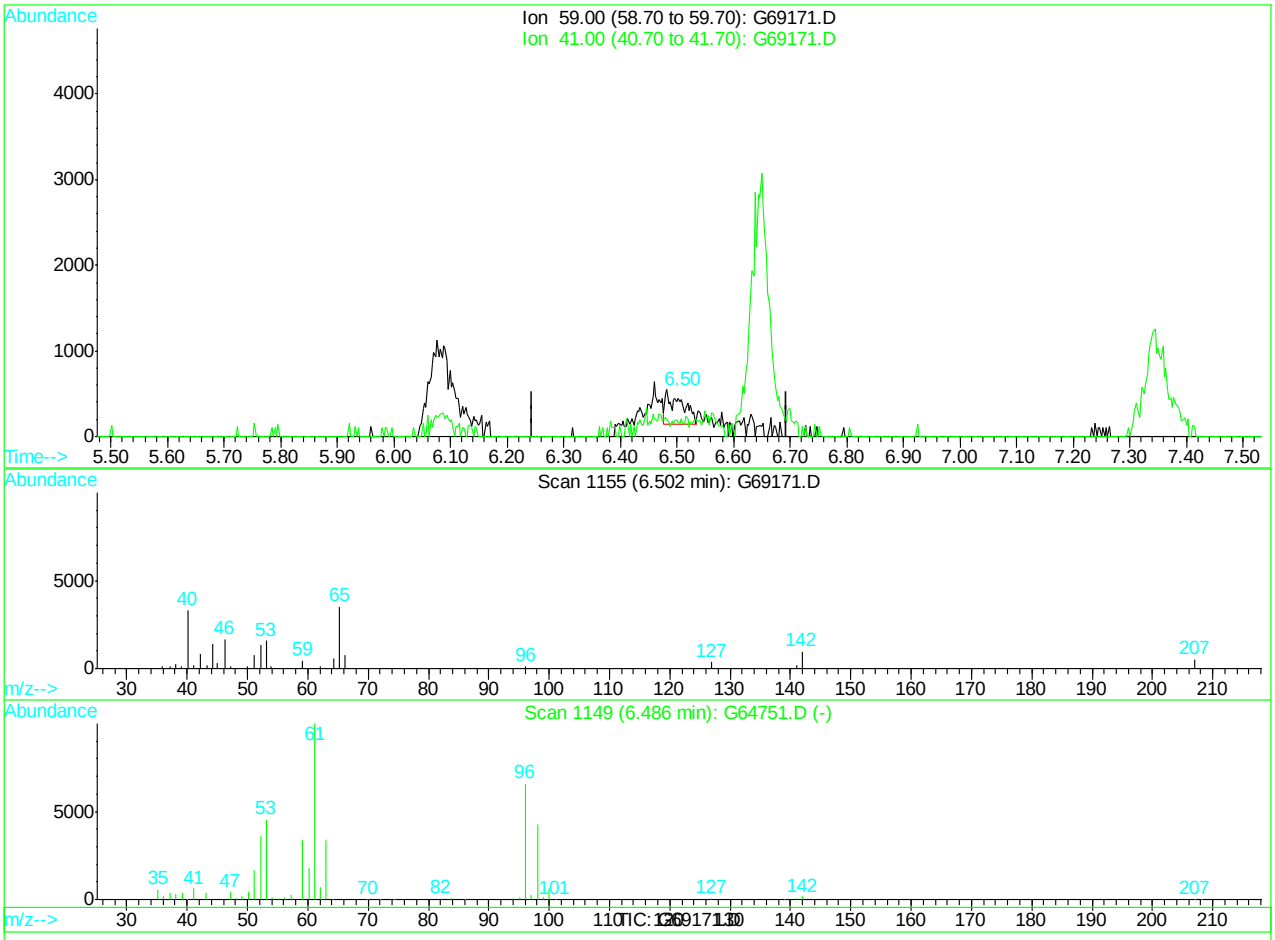
Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 08:22:03 2007
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69171.D  Vial: 5
Acq On : 25 Apr 2007 5:39 pm  Operator: KIMT
Sample : IC2782-1  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 7:47 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 08:22:03 2007
Response via : Multiple Level Calibration




(2) tertiary butyl alcohol (M)

6.50min 3.09ppb

response 764

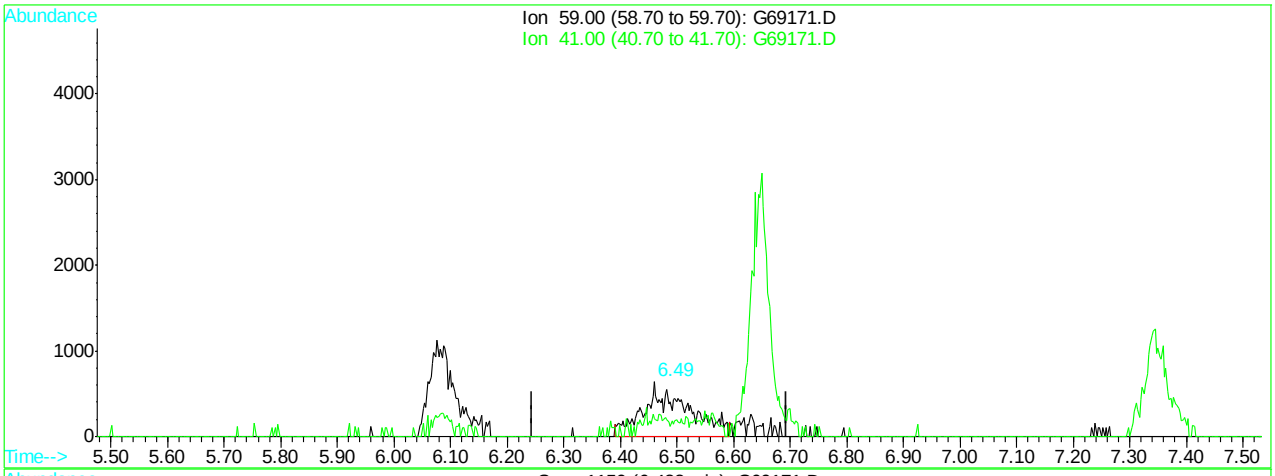
| Ion | Exp% | Act% |
|---|---|---|
| 59.00 | 100 | 100 |
| 41.00 | 27.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

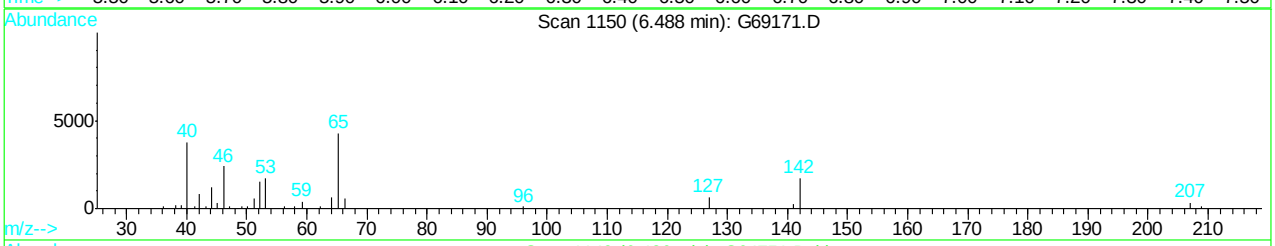
G69171.D G042507.M Thu Apr 26 08:22:49 2007 RP1

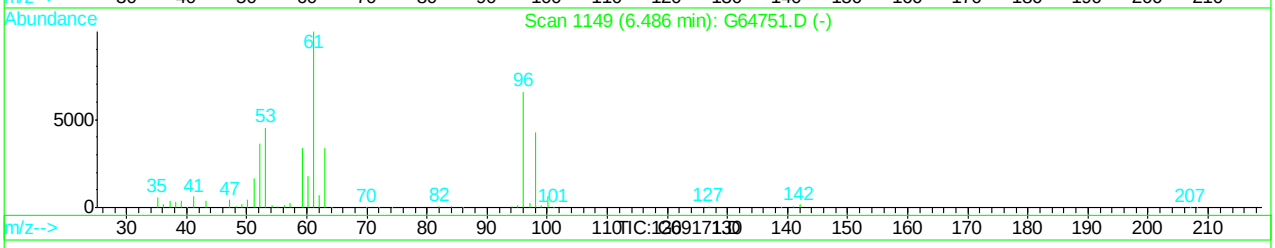
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69171.D  Vial: 5
Acq On : 25 Apr 2007 5:39 pm  Operator: KIMT
Sample : IC2782-1  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 8:22 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 08:22:03 2007
Response via : Multiple Level Calibration




(2) tertiary butyl alcohol (M)

6.49min 13.62ppb m

response 3367

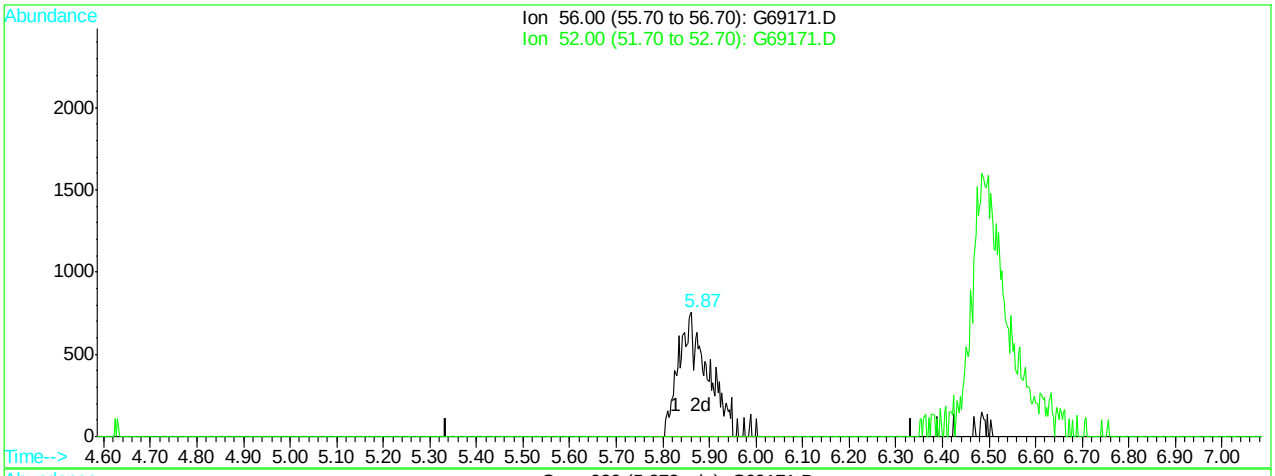
| Ion | Exp% | Act% |
|---|---|---|
| 59.00 | 100 | 100 |
| 41.00 | 27.00 | 29.51 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

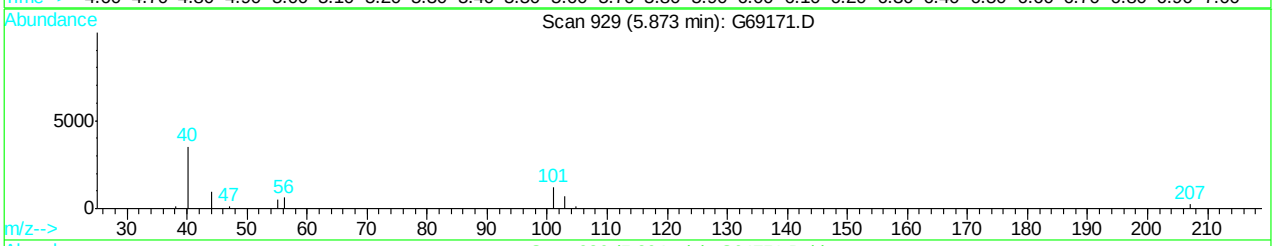
G69171.D G042507.M Thu Apr 26 08:22:58 2007 RP1

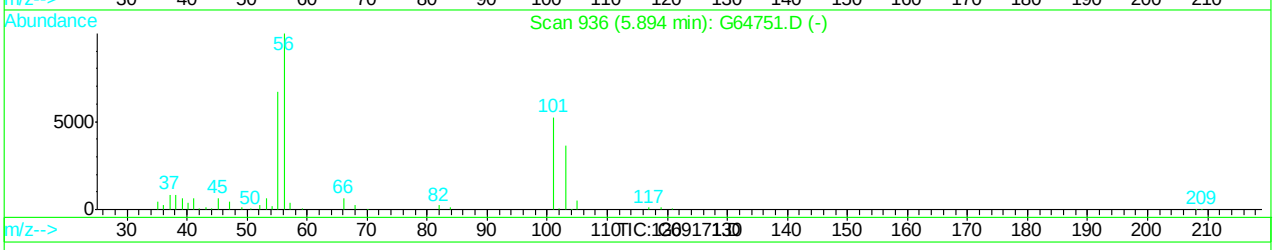
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69171.D  Vial: 5
Acq On : 25 Apr 2007 5:39 pm  Operator: KIMT
Sample : IC2782-1  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 8:23 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 08:22:03 2007
Response via : Multiple Level Calibration




(14) acrolein (M)

5.87min 4.49ppb m

response 3342

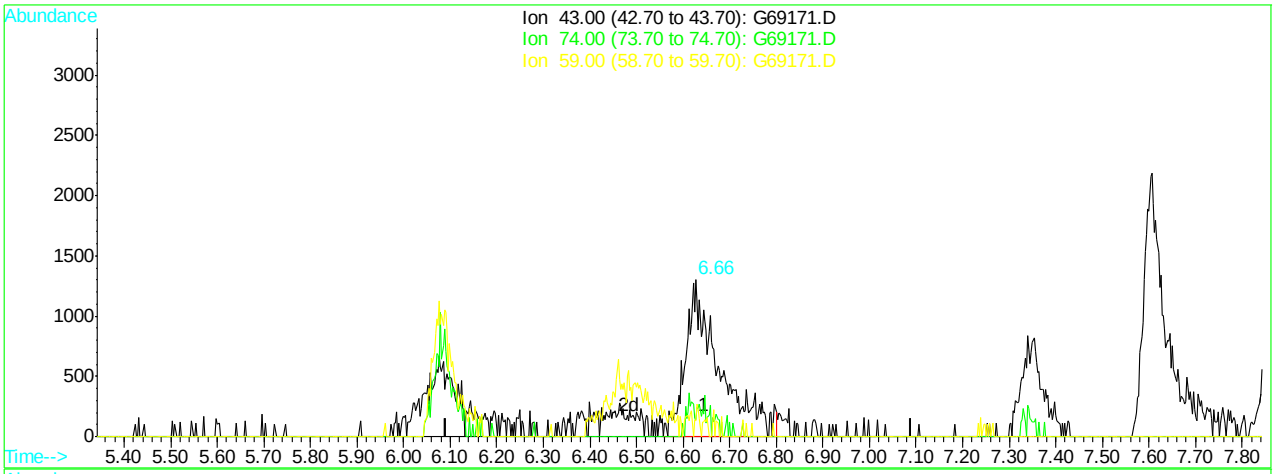
| Ion | Exp% | Act% |
|---|---|---|
| 56.00 | 100 | 100 |
| 52.00 | 2.10 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

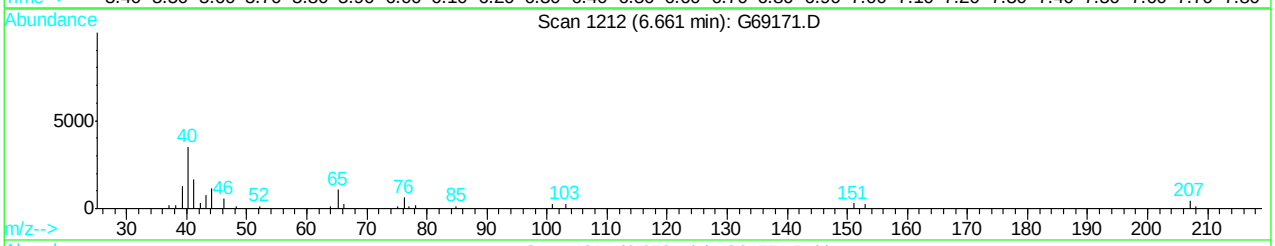
G69171.D G042507.M Thu Apr 26 08:23:53 2007 RP1

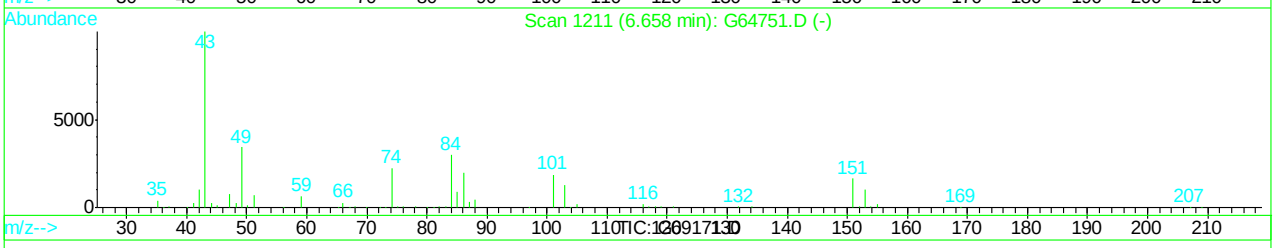
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69171.D  Vial: 5
Acq On : 25 Apr 2007 5:39 pm  Operator: KIMT
Sample : IC2782-1  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 8:24 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 08:22:03 2007
Response via : Multiple Level Calibration




(17) Methyl Acetate (M)

6.66min 1.01ppb m

response 6587

| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 74.00 | 22.20 | 0.00# |
| 59.00 | 10.60 | 0.00# |
| 0.00 | 0.00 | 0.00 |

G69171.D G042507.M Thu Apr 26 08:24:08 2007 RP1

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 04/27/07 13:56

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69172.D Vial: 6
Acq On : 25 Apr 2007 6:07 pm Operator: KIMT
Sample : IC2782-2 Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 8:20 2007 Quant Results File: G042507.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 07:42:36 2007
Response via : Initial Calibration
DataAcq Meth : G8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 6.43 | 65 | 121195 | 500.00 | ppb | 0.04 |
| 3) pentafluorobenzene | 8.74 | 168 | 451690 | 50.00 | ppb | 0.00 |
| 43) 1,4-difluorobenzene | 9.61 | 114 | 632603 | 50.00 | ppb | 0.00 |
| 66) chlorobenzene-d5 | 12.86 | 82 | 323063 | 50.00 | ppb | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 15.42 | 152 | 366030 | 50.00 | ppb | 0.00 |

System Monitoring Compounds

| | | | | | | |
|---|---|---|---|---|---|---|
| 40) dibromofluoromethane (s) | 8.38 | 113 | 196647 | 50.08 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 83 - 127 | | Recovery = 100.16% | | | |
| 60) toluene-d8 (s) | 11.40 | 98 | 766237 | 49.62 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 89 - 112 | | Recovery = 99.24% | | | |
| 82) bromofluorobenzene (s) | 14.09 | 95 | 300942 | 48.08 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 81 - 119 | | Recovery = 96.16% | | | |

Target Compounds

| | | | | | | | Qvalue |
|---|---|---|---|---|---|---|---|
| 2) tertiary butyl alcohol | 6.44 | 59 | 5434m | 20.79 | ppb | | |
| 4) Ethanol | 5.44 | 45 | 4480m | 200.27 | ppb | | |
| 5) dichlorodifluoromethane | 4.15 | 85 | 8499 | 1.90 | ppb | | 94 |
| 6) chloromethane | 4.32 | 50 | 11136 | 2.55 | ppb | | 98 |
| 7) vinyl chloride | 4.58 | 62 | 10472 | 2.46 | ppb | | 92 |
| 8) bromomethane | 5.05 | 96 | 7800 | 2.26 | ppb | | 93 |
| 9) chloroethane | 5.22 | 64 | 6530 | 2.03 | ppb | | 95 |
| 10) ethyl ether | 6.09 | 59 | 6629 | 1.69 | ppb | | 82 |
| 12) trichlorofluoromethane | 5.87 | 101 | 10416 | 1.93 | ppb | | 93 |
| 13) freon-113 | 6.63 | 101 | 7169 | 1.87 | ppb | | 83 |
| 15) 1,1-dichloroethene | 6.42 | 96 | 7730 | 1.89 | ppb | # | 72 |
| 17) Methyl Acetate | 6.65 | 43 | 11549 | 1.75 | ppb | # | 87 |
| 18) methylene chloride | 6.56 | 84 | 12470 | 2.59 | ppb | | 91 |
| 19) methyl tert butyl ether | 7.35 | 73 | 22865 | 1.77 | ppb | | 90 |
| 20) acrylonitrile | 6.51 | 53 | 18524 | 10.12 | ppb | | 88 |
| 21) allyl chloride | 6.65 | 41 | 14044 | 2.06 | ppb | | 98 |
| 22) trans-1,2-dichloroethene | 7.24 | 96 | 8969 | 2.01 | ppb | | 93 |
| 23) iodomethane | 6.48 | 142 | 15191 | 1.94 | ppb | | 88 |
| 24) carbon disulfide | 6.84 | 76 | 26006 | 2.12 | ppb | | 95 |
| 25) propionitrile | 6.48 | 54 | 743m | 2.14 | ppb | | |
| 26) vinyl acetate | 7.62 | 43 | 14370 | 1.51 | ppb | | 96 |
| 27) chloroprene | 7.86 | 53 | 10180 | 1.77 | ppb | | 99 |
| 28) di-isopropyl ether | 7.91 | 45 | 31499 | 2.03 | ppb | | 88 |
| 29) methacrylonitrile | 8.02 | 41 | 6290 | 1.98 | ppb | | 99 |
| 30) 2-butanone | 7.96 | 72 | 584m | 0.96 | ppb | | |
| 31) Hexane | 7.89 | 41 | 13753 | 2.18 | ppb | | 89 |
| 32) 1,1-dichloroethane | 7.49 | 63 | 15958 | 2.05 | ppb | | 90 |
| 33) tert-butyl ethyl ether | 8.30 | 59 | 25001 | 1.73 | ppb | | 91 |
| 34) isobutyl alcohol | 8.33 | 43 | 5940 | 12.02 | ppb | # | 1 |
| 35) 2,2-dichloropropane | 8.36 | 77 | 9658 | 1.82 | ppb | | 94 |
| 36) cis-1,2-dichloroethene | 8.06 | 96 | 10197 | 2.02 | ppb | | 97 |
| 38) bromochloromethane | 8.22 | 128 | 5199 | 2.04 | ppb | | 95 |
| 39) chloroform | 8.26 | 83 | 15832 | 2.06 | ppb | | 93 |
| 41) Tetrahydrofuran | 8.65 | 42 | 2463 | 1.64 | ppb | | 87 |
| 42) 1,1,1-trichloroethane | 9.02 | 97 | 12589 | 1.96 | ppb | | 94 |

(#) = qualifier out of range (m) = manual integration
G69172.D G042507.M Thu Apr 26 08:21:41 2007 RP1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69172.D Vial: 6
Acq On : 25 Apr 2007 6:07 pm Operator: KIMT
Sample : IC2782-2 Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 8:20 2007 Quant Results File: G042507.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 07:42:36 2007
Response via : Initial Calibration
DataAcq Meth : G8260

| | Compound | R.T. | QIon | Response | Conc | Unit | | Qvalue |
|---|---|---|---|---|---|---|---|---|
| 44) | Cyclohexane | 9.30 | 56 | 13499 | 1.82 | ppb | # | 95 |
| 45) | carbon tetrachloride | 9.38 | 117 | 11279 | 1.91 | ppb | | 99 |
| 46) | 1,1-dichloropropene | 9.19 | 75 | 10249 | 1.77 | ppb | | 96 |
| 47) | benzene | 9.41 | 78 | 35787 | 2.01 | ppb | | 94 |
| 48) | 1,2-dichloroethane | 8.91 | 62 | 11203 | 2.03 | ppb | | 99 |
| 49) | tert-amyl methyl ether | 9.54 | 73 | 21906 | 1.58 | ppb | | 92 |
| 50) | heptane | 9.89 | 43 | 10749 | 1.81 | ppb | | 91 |
| 51) | trichloroethene | 10.03 | 95 | 8682 | 1.89 | ppb | | 93 |
| 52) | 1,2-dichloropropane | 9.99 | 63 | 8818 | 2.01 | ppb | | 95 |
| 53) | dibromomethane | 9.97 | 93 | 5876 | 2.08 | ppb | | 97 |
| 54) | bromodichloromethane | 10.08 | 83 | 12934 | 2.08 | ppb | | 99 |
| 55) | Methylcyclohexane | 10.55 | 83 | 13136 | 1.68 | ppb | | 92 |
| 56) | 2-chloroethyl vinyl ether | 10.46 | 63 | 3773 | 1.33 | ppb | | 94 |
| 57) | methyl methacrylate | 10.19 | 69 | 5245 | 1.59 | ppb | | 98 |
| 59) | cis-1,3-dichloropropene | 10.70 | 75 | 12846 | 1.78 | ppb | | 99 |
| 61) | 4-methyl-2-pentanone | 10.81 | 43 | 8673 | 1.84 | ppb | | 92 |
| 62) | toluene | 11.48 | 92 | 22208 | 1.93 | ppb | | 87 |
| 63) | trans-1,3-dichloropropene | 11.12 | 75 | 10616 | 1.71 | ppb | | 97 |
| 64) | 1,1,2-trichloroethane | 11.29 | 83 | 6986 | 2.02 | ppb | | 92 |
| 65) | ethyl methacrylate | 11.50 | 69 | 9586 | 1.57 | ppb | | 72 |
| 67) | tetrachloroethene | 12.22 | 166 | 10350 | 1.78 | ppb | | 90 |
| 68) | 1,3-dichloropropane | 11.53 | 76 | 14411 | 2.08 | ppb | | 95 |
| 69) | dibromochloromethane | 11.81 | 129 | 10201 | 1.99 | ppb | | 92 |
| 70) | 1,2-dibromoethane | 12.07 | 107 | 8558 | 1.95 | ppb | | 95 |
| 71) | 2-hexanone | 11.67 | 43 | 5411 | 1.63 | ppb | | 96 |
| 72) | chlorobenzene | 12.90 | 112 | 26805 | 1.98 | ppb | | 96 |
| 73) | 1,1,1,2-tetrachloroethane | 12.81 | 131 | 9396 | 1.84 | ppb | | 92 |
| 74) | ethylbenzene | 13.07 | 91 | 39718 | 1.83 | ppb | | 97 |
| 75) | m,p-xylene | 13.26 | 106 | 32003 | 3.75 | ppb | | 96 |
| 76) | o-xylene | 13.67 | 106 | 15923 | 1.83 | ppb | | 97 |
| 77) | styrene | 13.60 | 104 | 23980 | 1.61 | ppb | | 97 |
| 78) | bromoform | 13.42 | 173 | 8262 | 1.96 | ppb | | 95 |
| 79) | trans-1,4-dichloro-2-buten | 13.82 | 53 | 2221 | 1.52 | ppb | # | 80 |
| 81) | isopropylbenzene | 14.03 | 105 | 34538 | 1.61 | ppb | | 96 |
| 83) | bromobenzene | 14.32 | 156 | 12733 | 1.73 | ppb | | 93 |
| 84) | 1,1,2,2-tetrachloroethane | 13.67 | 83 | 12584 | 2.15 | ppb | | 96 |
| 85) | 1,2,3-trichloropropane | 13.82 | 75 | 12020 | 1.74 | ppb | | 100 |
| 86) | n-propylbenzene | 14.48 | 91 | 47837 | 1.74 | ppb | | 90 |
| 87) | 2-chlorotoluene | 14.60 | 91 | 30329 | 1.81 | ppb | | 92 |
| 88) | 4-chlorotoluene | 14.67 | 91 | 30385 | 1.78 | ppb | | 98 |
| 89) | 1,3,5-trimethylbenzene | 14.76 | 105 | 33764 | 1.76 | ppb | | 99 |
| 90) | tert-butylbenzene | 15.17 | 91 | 3600 | 1.86 | ppb | | 84 |
| 91) | 1,2,4-trimethylbenzene | 15.17 | 105 | 35612 | 1.81 | ppb | | 98 |
| 92) | sec-butylbenzene | 15.29 | 105 | 44822 | 1.91 | ppb | | 96 |
| 93) | 1,3-dichlorobenzene | 15.39 | 146 | 24813 | 1.95 | ppb | | 98 |
| 94) | p-isopropyltoluene | 15.46 | 119 | 41593 | 2.17 | ppb | | 95 |
| 95) | 1,4-dichlorobenzene | 15.45 | 146 | 26225 | 2.18 | ppb | | 95 |
| 96) | 1,2-dichlorobenzene | 15.82 | 146 | 23275 | 1.99 | ppb | | 95 |
| 97) | n-butylbenzene | 15.88 | 91 | 36182 | 2.14 | ppb | | 94 |

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69172.D Vial: 6
Acq On : 25 Apr 2007 6:07 pm Operator: KIMT
Sample : IC2782-2 Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 8:20 2007 Quant Results File: G042507.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 07:42:36 2007
Response via : Initial Calibration
DataAcq Meth : G8260

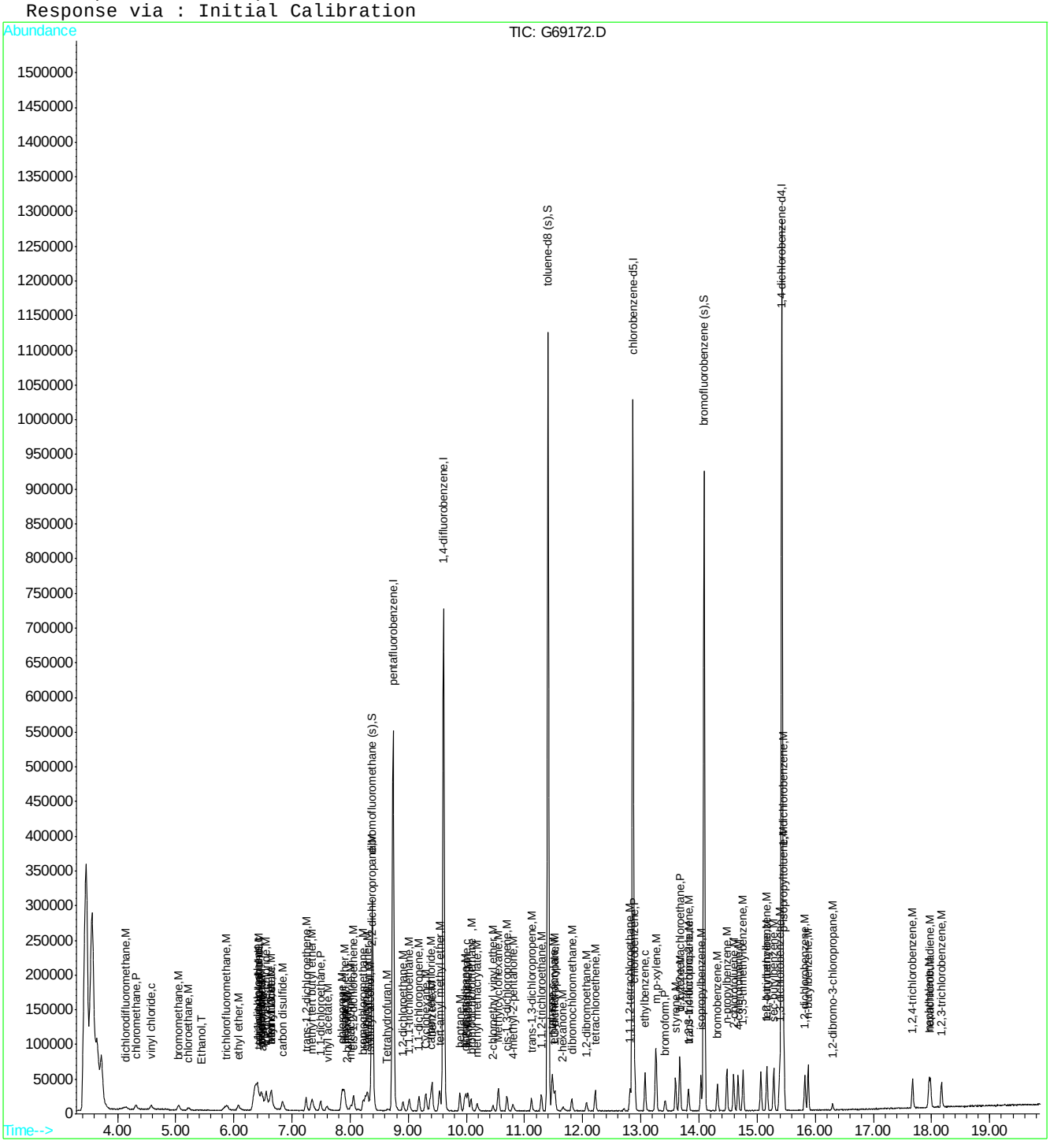
| | Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|---|---|---|---|---|---|---|---|
| 98) | 1,2-dibromo-3-chloropropan | 16.30 | 75 | 2436 | 2.49 | ppb | 86 |
| 99) | 1,2,4-trichlorobenzene | 17.67 | 180 | 15566 | 2.03 | ppb | 94 |
| 100) | hexachlorobutadiene | 17.98 | 225 | 9967 | 2.87 | ppb | 91 |
| 101) | naphthalene | 17.96 | 128 | 32535 | 1.80 | ppb | 100 |
| 102) | 1,2,3-trichlorobenzene | 18.17 | 180 | 13912 | 2.10 | ppb | 97 |

(#) = qualifier out of range (m) = manual integration
G69172.D G042507.M Thu Apr 26 08:21:41 2007 RP1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\G69172.D  Vial: 6
Acq On : 25 Apr 2007 6:07 pm  Operator: KIMT
Sample : IC2782-2  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 8:20 2007  Quant Results File: G042507.RES

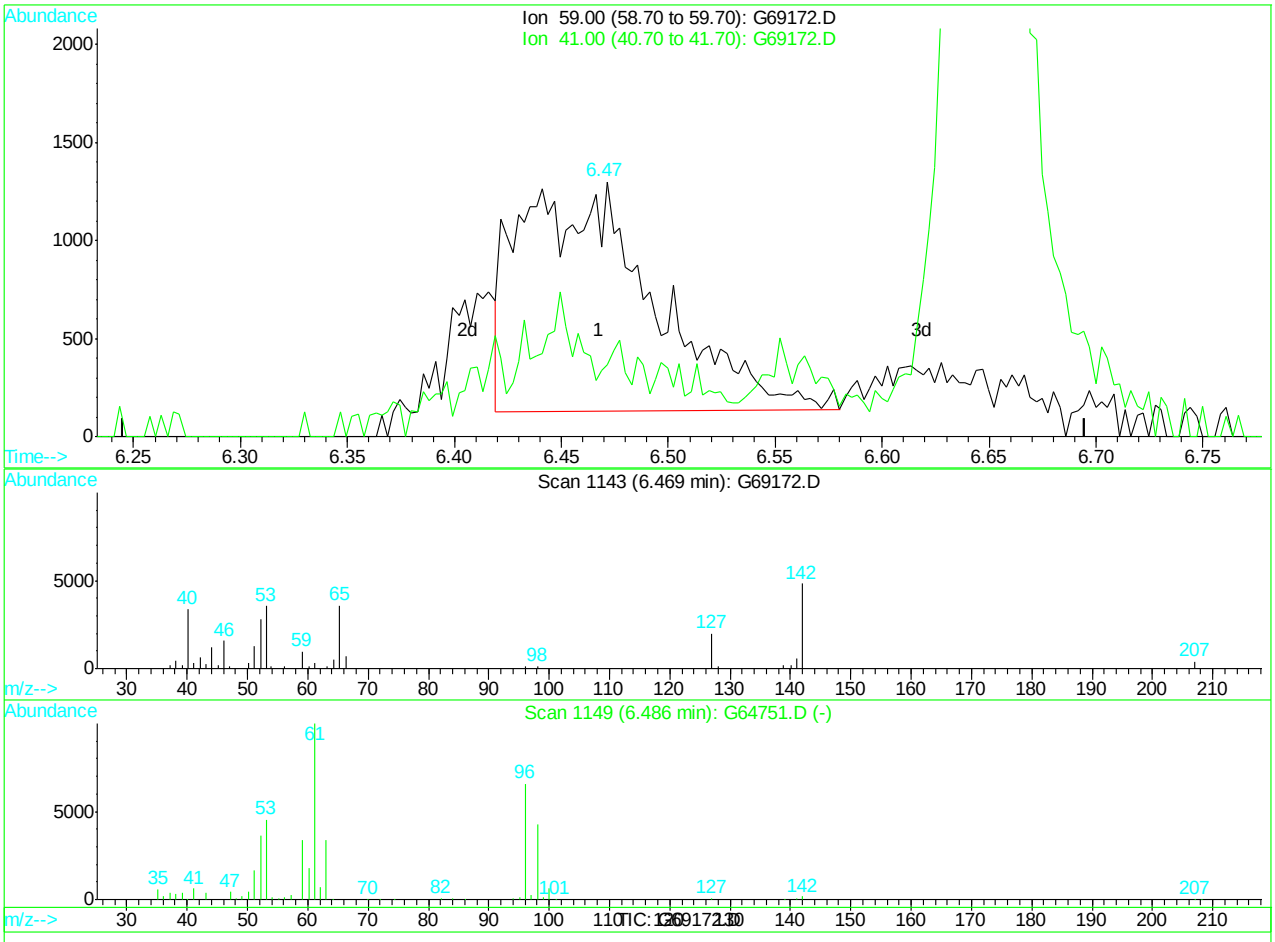
Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 08:12:49 2007
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69172.D  Vial: 6
Acq On : 25 Apr 2007 6:07 pm  Operator: KIMT
Sample : IC2782-2  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 7:47 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 08:12:49 2007
Response via : Multiple Level Calibration




(2) tertiary butyl alcohol (M)

6.47min 19.37ppb

response 5065

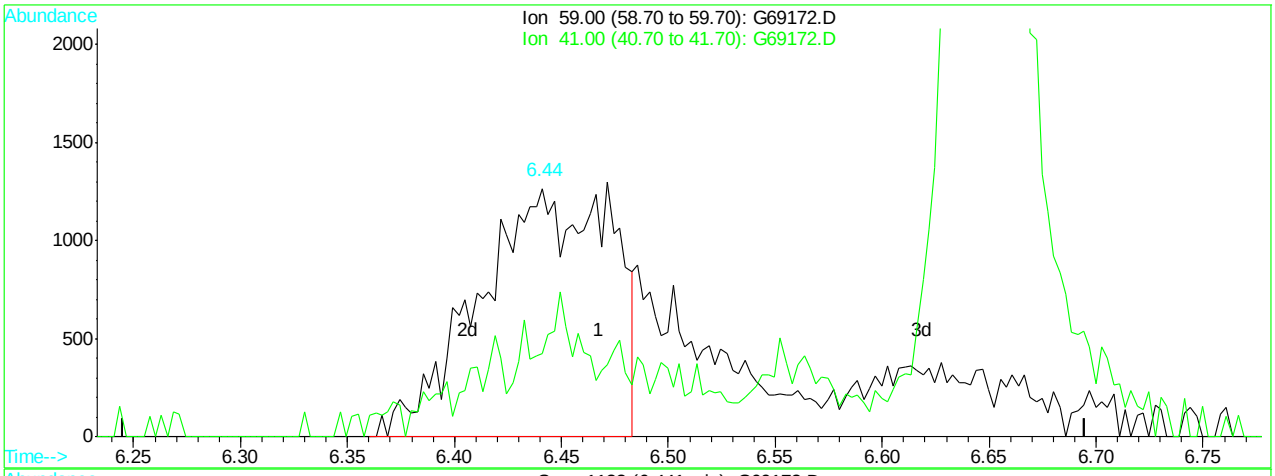
| Ion | Exp% | Act% |
|---|---|---|
| 59.00 | 100 | 100 |
| 41.00 | 27.00 | 22.37 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

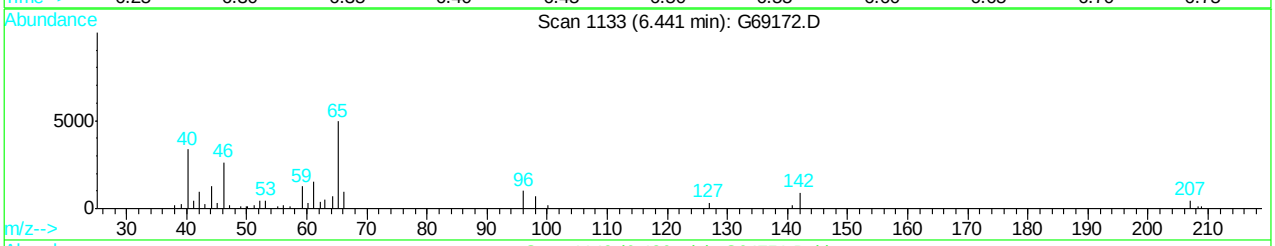
G69172.D G042507.M Thu Apr 26 08:16:15 2007 RP1

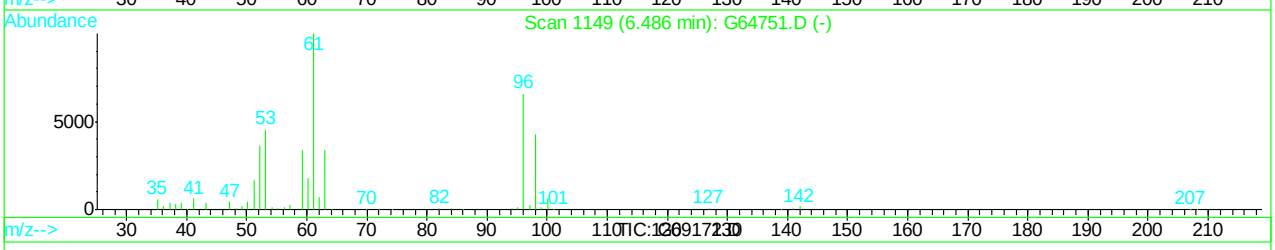
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69172.D  Vial: 6
Acq On : 25 Apr 2007 6:07 pm  Operator: KIMT
Sample : IC2782-2  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 8:17 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 08:12:49 2007
Response via : Multiple Level Calibration




(2) tertiary butyl alcohol (M)

6.44min 20.79ppb m

response 5434

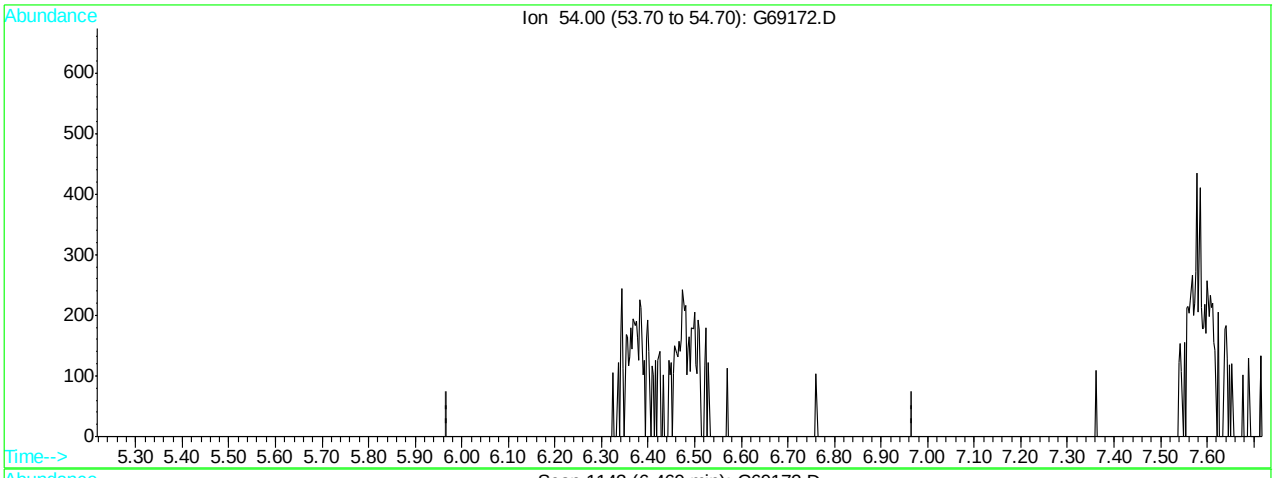
| Ion | Exp% | Act% |
|---|---|---|
| 59.00 | 100 | 100 |
| 41.00 | 27.00 | 33.52 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

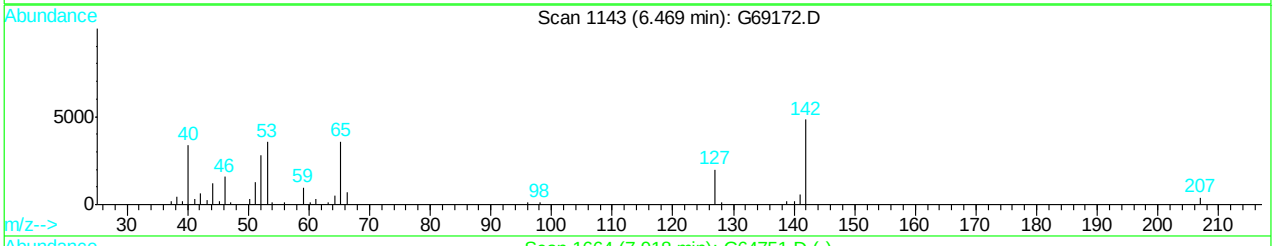
G69172.D G042507.M Thu Apr 26 08:17:29 2007 RP1

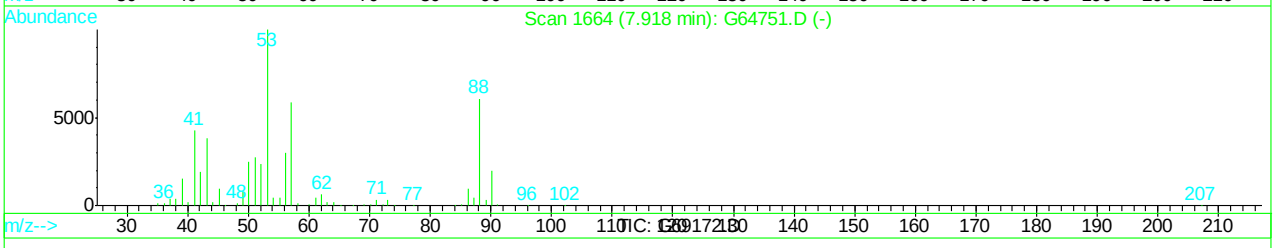
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69172.D  Vial: 6
Acq On : 25 Apr 2007 6:07 pm  Operator: KIMT
Sample : IC2782-2  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 8:18 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 08:12:49 2007
Response via : Multiple Level Calibration




(25) propionitrile (M)

6.47min 0.00ppb

response 0

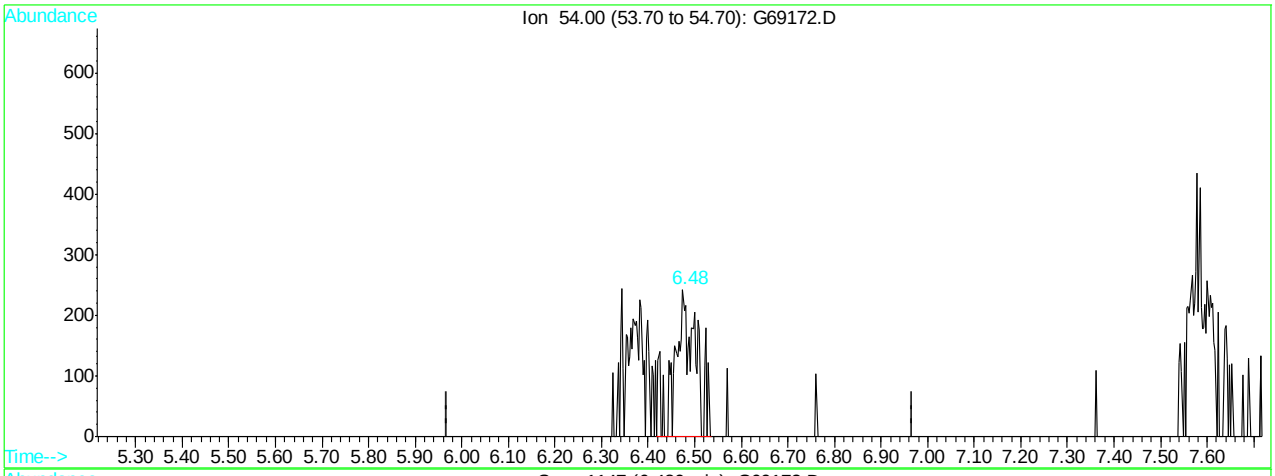
| Ion | Exp% | Act% |
|---|---|---|
| 54.00 | 100 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

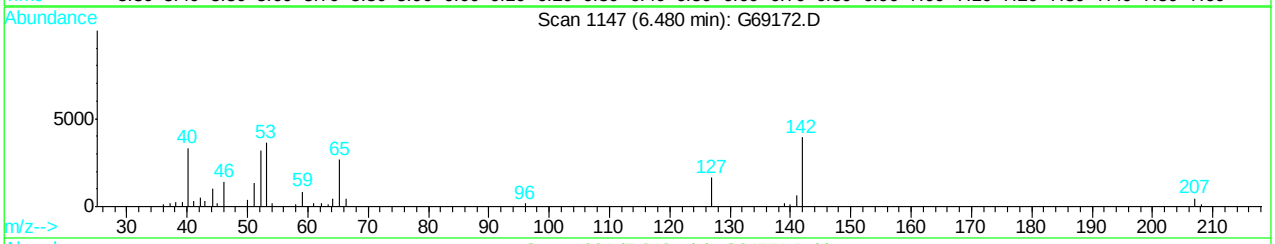
G69172.D G042507.M Thu Apr 26 08:19:18 2007 RP1

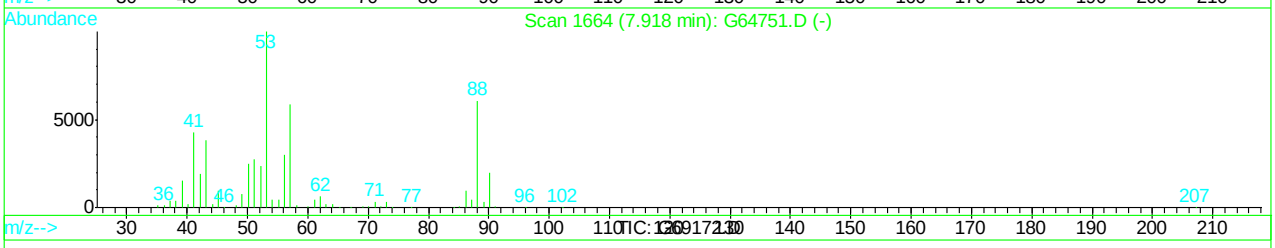
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69172.D  Vial: 6
Acq On : 25 Apr 2007 6:07 pm  Operator: KIMT
Sample : IC2782-2  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 8:19 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 08:12:49 2007
Response via : Multiple Level Calibration




(25) propionitrile (M)

6.48min 2.14ppb m

response 743

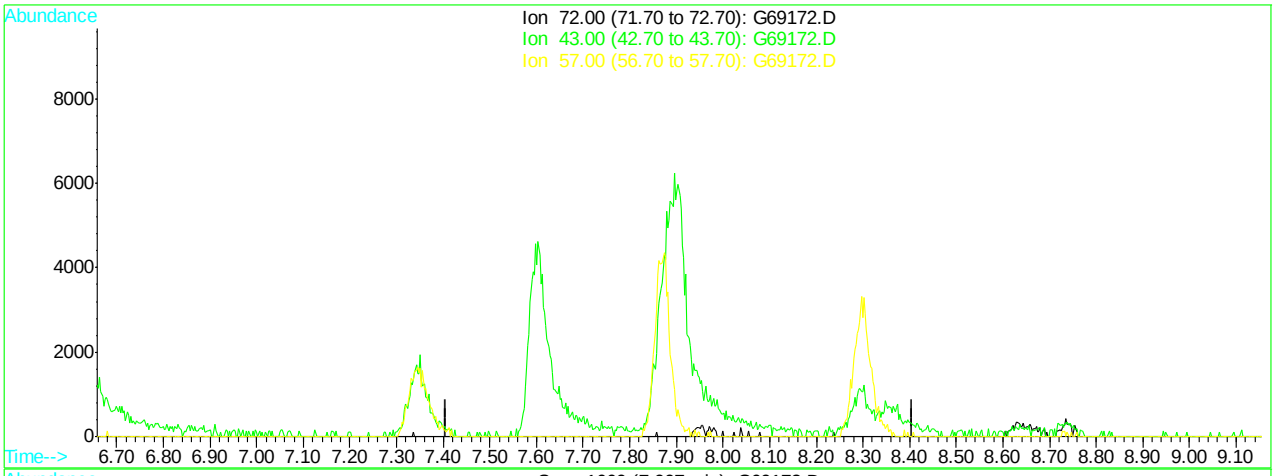
| Ion | Exp% | Act% |
|---|---|---|
| 54.00 | 100 | 100 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

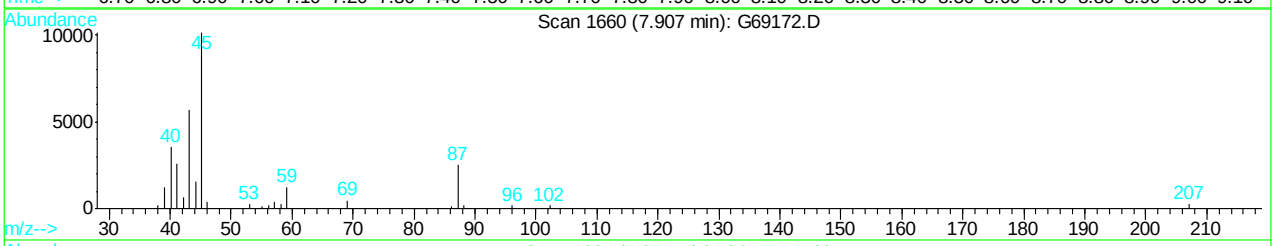
G69172.D G042507.M Thu Apr 26 08:19:28 2007 RP1

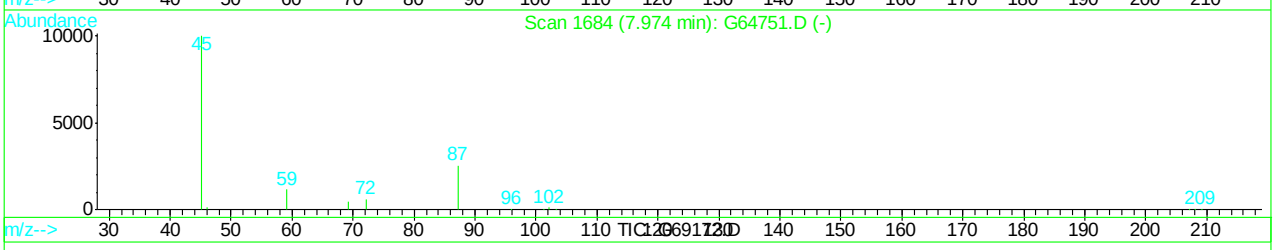
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69172.D  Vial: 6
Acq On : 25 Apr 2007 6:07 pm  Operator: KIMT
Sample : IC2782-2  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 8:19 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 08:12:49 2007
Response via : Multiple Level Calibration




(30) 2-butanone (M)

7.91min 0.00ppb

response 0

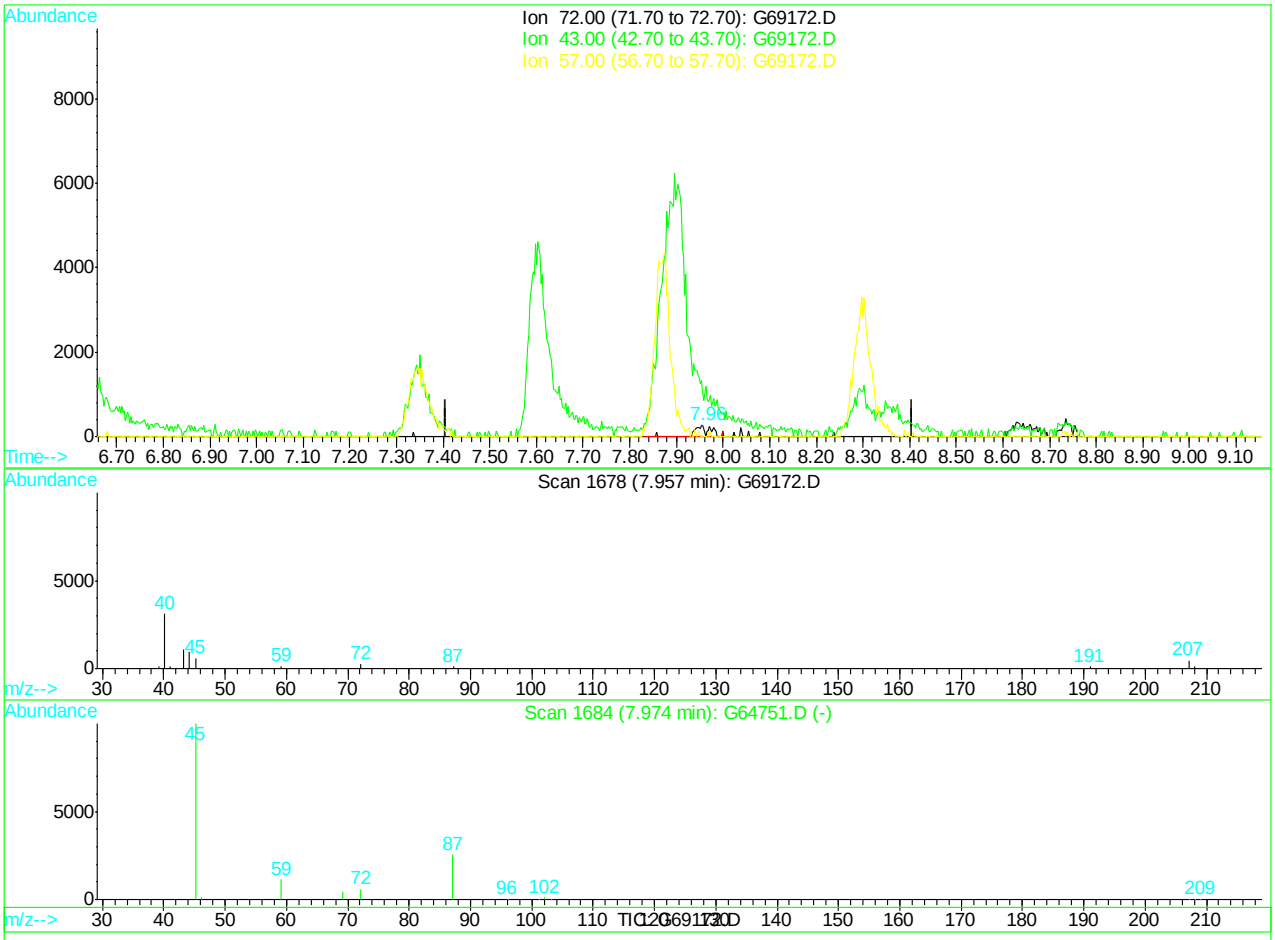
| Ion | Exp% | Act% |
|---|---|---|
| 72.00 | 100 | 0.00 |
| 43.00 | 1656.30 | 0.00# |
| 57.00 | 133.30 | 0.00# |
| 0.00 | 0.00 | 0.00 |

G69172.D G042507.M Thu Apr 26 08:19:45 2007 RP1

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69172.D  Vial: 6
Acq On : 25 Apr 2007 6:07 pm  Operator: KIMT
Sample : IC2782-2  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 8:20 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 08:12:49 2007
Response via : Multiple Level Calibration




(30) 2-butanone (M)

7.96min 0.96ppb m

response 584

| Ion | Exp% | Act% |
|---|---|---|
| 72.00 | 100 | 100 |
| 43.00 | 1656.30 | 403.76# |
| 57.00 | 133.30 | 0.00# |
| 0.00 | 0.00 | 0.00 |

G69172.D G042507.M Thu Apr 26 08:20:19 2007 RP1

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 04/27/07 13:56

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69173.D Vial: 7
Acq On : 25 Apr 2007 6:34 pm Operator: KIMT
Sample : IC2782-5 Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 8:11 2007 Quant Results File: G042507.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 07:42:36 2007
Response via : Initial Calibration
DataAcq Meth : G8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 6.41 | 65 | 118097 | 500.00 | ppb | 0.01 |
| 3) pentafluorobenzene | 8.74 | 168 | 445689 | 50.00 | ppb | 0.00 |
| 43) 1,4-difluorobenzene | 9.61 | 114 | 624485 | 50.00 | ppb | 0.00 |
| 66) chlorobenzene-d5 | 12.86 | 82 | 323041 | 50.00 | ppb | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 15.42 | 152 | 367708 | 50.00 | ppb | 0.00 |

System Monitoring Compounds

| | | | | | | |
|---|---|---|---|---|---|---|
| 40) dibromofluoromethane (s) | 8.38 | 113 | 194072 | 50.09 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 83 - 127 | | Recovery = 100.18% | | | |
| 60) toluene-d8 (s) | 11.40 | 98 | 757940 | 49.72 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 89 - 112 | | Recovery = 99.44% | | | |
| 82) bromofluorobenzene (s) | 14.09 | 95 | 300216 | 47.74 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 81 - 119 | | Recovery = 95.48% | | | |

Target Compounds

| | | | | | | | Qvalue |
|---|---|---|---|---|---|---|---|
| 2) tertiary butyl alcohol | 6.46 | 59 | 14652 | 57.52 | ppb | | 96 |
| 4) Ethanol | 5.36 | 45 | 5493m | 248.87 | ppb | | |
| 5) dichlorodifluoromethane | 4.14 | 85 | 23620 | 5.34 | ppb | | 96 |
| 6) chloromethane | 4.32 | 50 | 26956 | 6.26 | ppb | | 99 |
| 7) vinyl chloride | 4.58 | 62 | 26037 | 6.19 | ppb | | 91 |
| 8) bromomethane | 5.06 | 96 | 18648 | 5.47 | ppb | | 91 |
| 9) chloroethane | 5.22 | 64 | 16487 | 5.19 | ppb | | 96 |
| 10) ethyl ether | 6.08 | 59 | 17375 | 4.50 | ppb | | 100 |
| 11) acetonitrile | 5.79 | 41 | 1889m | 3.25 | ppb | | |
| 12) trichlorofluoromethane | 5.87 | 101 | 28809 | 5.41 | ppb | | 100 |
| 13) freon-113 | 6.63 | 101 | 19824 | 5.24 | ppb | | 98 |
| 14) acrolein | 5.86 | 56 | 16674 | 22.59 | ppb | | 94 |
| 15) 1,1-dichloroethene | 6.42 | 96 | 20285 | 5.03 | ppb | | 97 |
| 16) acetone | 6.02 | 43 | 5479m | 4.85 | ppb | | |
| 17) Methyl Acetate | 6.64 | 43 | 30004 | 4.62 | ppb | | 98 |
| 18) methylene chloride | 6.56 | 84 | 25960 | 5.46 | ppb | | 85 |
| 19) methyl tert butyl ether | 7.35 | 73 | 54968 | 4.31 | ppb | | 96 |
| 20) acrylonitrile | 6.50 | 53 | 44411 | 24.58 | ppb | | 95 |
| 21) allyl chloride | 6.65 | 41 | 34011 | 5.06 | ppb | | 95 |
| 22) trans-1,2-dichloroethene | 7.24 | 96 | 21646 | 4.91 | ppb | | 96 |
| 23) iodomethane | 6.48 | 142 | 37673 | 4.87 | ppb | | 97 |
| 24) carbon disulfide | 6.84 | 76 | 65325 | 5.38 | ppb | | 96 |
| 25) propionitrile | 6.48 | 54 | 1602m | 4.68 | ppb | | |
| 26) vinyl acetate | 7.61 | 43 | 35746 | 3.80 | ppb | | 91 |
| 27) chloroprene | 7.86 | 53 | 27498 | 4.85 | ppb | | 90 |
| 28) di-isopropyl ether | 7.90 | 45 | 79426 | 5.19 | ppb | | 85 |
| 29) methacrylonitrile | 8.02 | 41 | 13727 | 4.38 | ppb | | 97 |
| 30) 2-butanone | 7.97 | 72 | 2422m | 4.02 | ppb | | |
| 31) Hexane | 7.88 | 41 | 35777 | 5.74 | ppb | | 89 |
| 32) 1,1-dichloroethane | 7.49 | 63 | 39712 | 5.17 | ppb | | 95 |
| 33) tert-butyl ethyl ether | 8.30 | 59 | 61865 | 4.34 | ppb | | 95 |
| 34) isobutyl alcohol | 8.34 | 43 | 13067 | 26.79 | ppb | # | 1 |
| 35) 2,2-dichloropropane | 8.36 | 77 | 24221 | 4.63 | ppb | | 99 |
| 36) cis-1,2-dichloroethene | 8.06 | 96 | 24475 | 4.92 | ppb | | 98 |
| 37) ethyl acetate | 8.21 | 43 | 1024m | 0.42 | ppb | | |

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69173.D Vial: 7
Acq On : 25 Apr 2007 6:34 pm Operator: KIMT
Sample : IC2782-5 Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 8:11 2007 Quant Results File: G042507.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 07:42:36 2007
Response via : Initial Calibration
DataAcq Meth : G8260

| | Compound | R.T. | QIon | Response | Conc | Unit | | Qvalue |
|---|---|---|---|---|---|---|---|---|
| 38) | bromochloromethane | 8.23 | 128 | 12381 | 4.91 | ppb | | 87 |
| 39) | chloroform | 8.26 | 83 | 39004 | 5.15 | ppb | | 94 |
| 41) | Tetrahydrofuran | 8.64 | 42 | 6267 | 4.23 | ppb | | 77 |
| 42) | 1,1,1-trichloroethane | 9.02 | 97 | 32217 | 5.09 | ppb | | 92 |
| 44) | Cyclohexane | 9.30 | 56 | 35814 | 4.88 | ppb | | 99 |
| 45) | carbon tetrachloride | 9.38 | 117 | 29351 | 5.04 | ppb | | 92 |
| 46) | 1,1-dichloropropene | 9.19 | 75 | 27382 | 4.78 | ppb | | 95 |
| 47) | benzene | 9.41 | 78 | 86675 | 4.94 | ppb | | 94 |
| 48) | 1,2-dichloroethane | 8.91 | 62 | 27562 | 5.06 | ppb | | 97 |
| 49) | tert-amyl methyl ether | 9.54 | 73 | 54110 | 3.96 | ppb | | 96 |
| 50) | heptane | 9.89 | 43 | 30951 | 5.29 | ppb | | 91 |
| 51) | trichloroethene | 10.03 | 95 | 21390 | 4.71 | ppb | | 96 |
| 52) | 1,2-dichloropropane | 9.99 | 63 | 21650 | 4.99 | ppb | | 98 |
| 53) | dibromomethane | 9.97 | 93 | 13678 | 4.90 | ppb | | 96 |
| 54) | bromodichloromethane | 10.08 | 83 | 30400 | 4.96 | ppb | | 97 |
| 55) | Methylcyclohexane | 10.55 | 83 | 36825 | 4.78 | ppb | | 91 |
| 56) | 2-chloroethyl vinyl ether | 10.46 | 63 | 9862 | 3.52 | ppb | | 96 |
| 57) | methyl methacrylate | 10.19 | 69 | 12975 | 3.97 | ppb | | 98 |
| 59) | cis-1,3-dichloropropene | 10.70 | 75 | 32164 | 4.50 | ppb | | 93 |
| 61) | 4-methyl-2-pentanone | 10.80 | 43 | 20017 | 4.30 | ppb | | 95 |
| 62) | toluene | 11.48 | 92 | 55792 | 4.91 | ppb | | 98 |
| 63) | trans-1,3-dichloropropene | 11.12 | 75 | 25925 | 4.22 | ppb | | 99 |
| 64) | 1,1,2-trichloroethane | 11.29 | 83 | 16366 | 4.79 | ppb | | 97 |
| 65) | ethyl methacrylate | 11.50 | 69 | 24490 | 4.06 | ppb | | 73 |
| 67) | tetrachloroethene | 12.22 | 166 | 26488 | 4.56 | ppb | | 99 |
| 68) | 1,3-dichloropropane | 11.53 | 76 | 34226 | 4.94 | ppb | | 96 |
| 69) | dibromochloromethane | 11.81 | 129 | 24621 | 4.80 | ppb | | 96 |
| 70) | 1,2-dibromoethane | 12.07 | 107 | 20173 | 4.60 | ppb | | 99 |
| 71) | 2-hexanone | 11.66 | 43 | 13182 | 3.97 | ppb | | 95 |
| 72) | chlorobenzene | 12.90 | 112 | 64913 | 4.80 | ppb | | 97 |
| 73) | 1,1,1,2-tetrachloroethane | 12.81 | 131 | 22347 | 4.38 | ppb | | 99 |
| 74) | ethylbenzene | 13.07 | 91 | 104395 | 4.80 | ppb | | 92 |
| 75) | m,p-xylene | 13.26 | 106 | 83399 | 9.77 | ppb | | 97 |
| 76) | o-xylene | 13.67 | 106 | 41411 | 4.75 | ppb | | 93 |
| 77) | styrene | 13.60 | 104 | 63139 | 4.24 | ppb | | 100 |
| 78) | bromoform | 13.42 | 173 | 19326 | 4.58 | ppb | | 98 |
| 79) | trans-1,4-dichloro-2-buten | 13.82 | 53 | 5512 | 3.76 | ppb | # | 67 |
| 81) | isopropylbenzene | 14.03 | 105 | 94417 | 4.39 | ppb | | 95 |
| 83) | bromobenzene | 14.32 | 156 | 30863 | 4.16 | ppb | | 89 |
| 84) | 1,1,2,2-tetrachloroethane | 13.67 | 83 | 28447 | 4.83 | ppb | | 94 |
| 85) | 1,2,3-trichloropropane | 13.82 | 75 | 27835 | 4.01 | ppb | | 99 |
| 86) | n-propylbenzene | 14.48 | 91 | 125554 | 4.55 | ppb | | 91 |
| 87) | 2-chlorotoluene | 14.60 | 91 | 76846 | 4.57 | ppb | | 95 |
| 88) | 4-chlorotoluene | 14.67 | 91 | 77322 | 4.52 | ppb | | 97 |
| 89) | 1,3,5-trimethylbenzene | 14.76 | 105 | 91601 | 4.74 | ppb | | 98 |
| 90) | tert-butylbenzene | 15.17 | 91 | 9129 | 4.69 | ppb | | 96 |
| 91) | 1,2,4-trimethylbenzene | 15.17 | 105 | 94567 | 4.78 | ppb | | 93 |
| 92) | sec-butylbenzene | 15.29 | 105 | 121666 | 5.16 | ppb | | 95 |
| 93) | 1,3-dichlorobenzene | 15.39 | 146 | 58622 | 4.59 | ppb | | 97 |

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69173.D Vial: 7
Acq On : 25 Apr 2007 6:34 pm Operator: KIMT
Sample : IC2782-5 Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 8:11 2007 Quant Results File: G042507.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 07:42:36 2007
Response via : Initial Calibration
DataAcq Meth : G8260

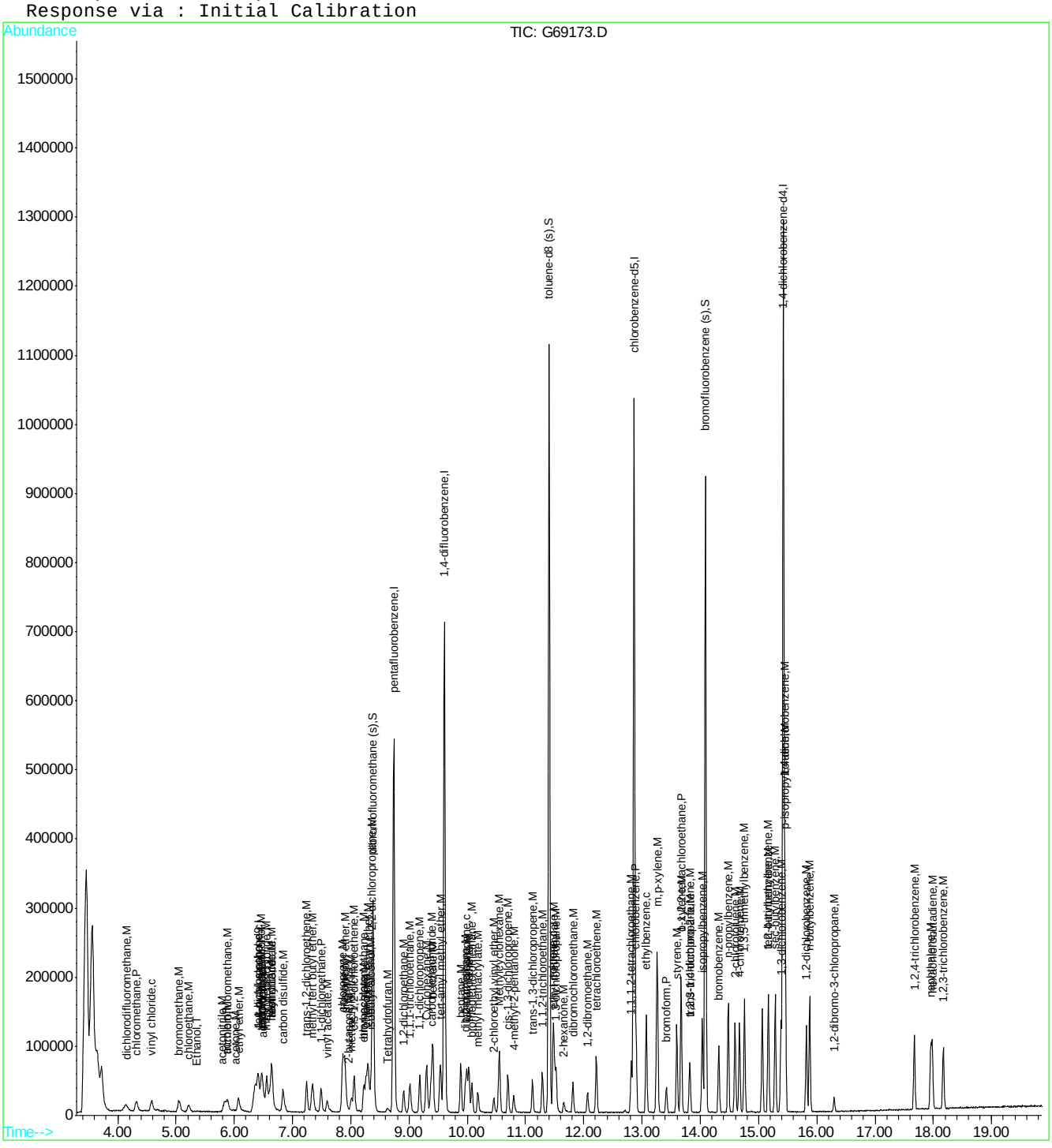
| | Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|---|---|---|---|---|---|---|---|
| 94) | p-isopropyltoluene | 15.46 | 119 | 106000 | 5.49 | ppb | 98 |
| 95) | 1,4-dichlorobenzene | 15.45 | 146 | 62215 | 5.14 | ppb | 98 |
| 96) | 1,2-dichlorobenzene | 15.82 | 146 | 55750 | 4.73 | ppb | 97 |
| 97) | n-butylbenzene | 15.88 | 91 | 95185 | 5.59 | ppb | 95 |
| 98) | 1,2-dibromo-3-chloropropan | 16.30 | 75 | 5209 | 5.30 | ppb | 89 |
| 99) | 1,2,4-trichlorobenzene | 17.67 | 180 | 39149 | 5.09 | ppb | 99 |
| 100) | hexachlorobutadiene | 17.98 | 225 | 24074 | 6.90 | ppb | 99 |
| 101) | naphthalene | 17.96 | 128 | 77948 | 4.30 | ppb | 100 |
| 102) | 1,2,3-trichlorobenzene | 18.17 | 180 | 33848 | 5.09 | ppb | 95 |

(#) = qualifier out of range (m) = manual integration
G69173.D G042507.M Thu Apr 26 08:12:23 2007 RP1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\G69173.D Vial: 7
Acq On : 25 Apr 2007 6:34 pm Operator: KIMT
Sample : IC2782-5 Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 8:11 2007 Quant Results File: G042507.RES

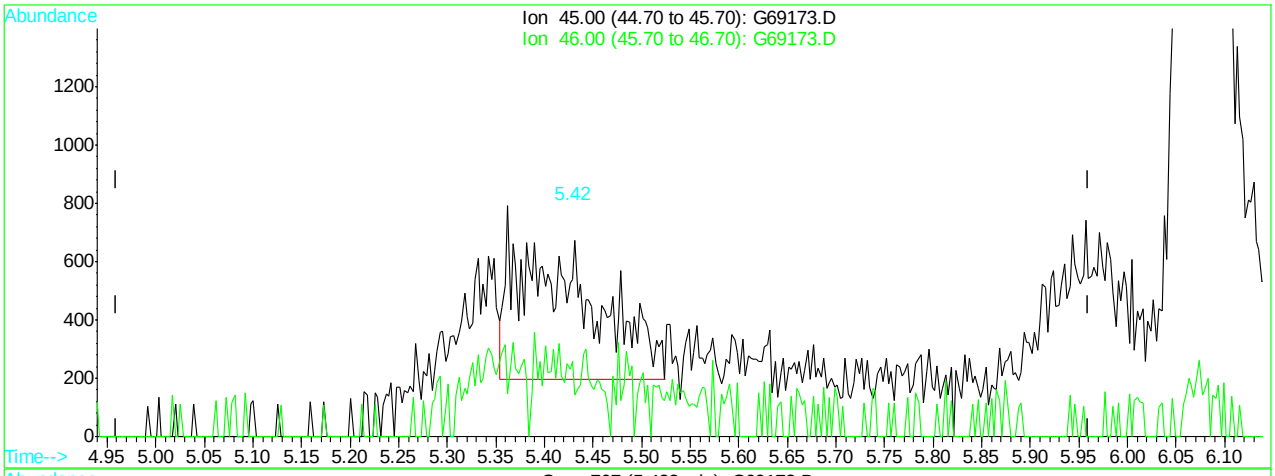
Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 08:05:34 2007
Response via : Initial Calibration

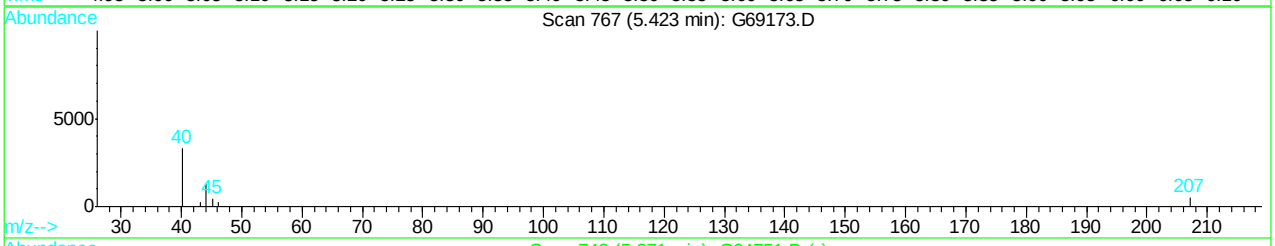


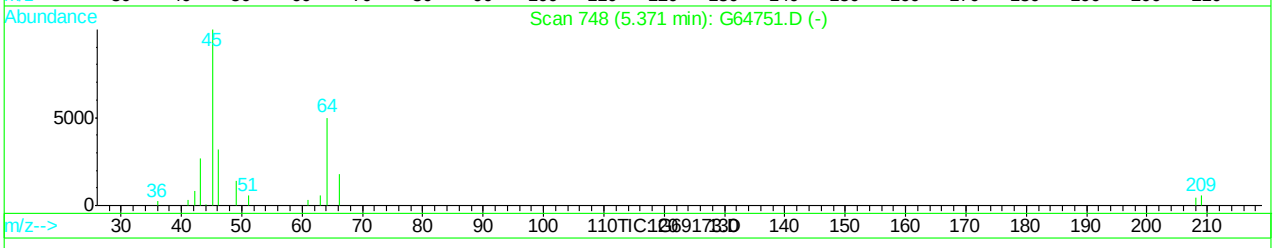
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69173.D  Vial: 7
Acq On : 25 Apr 2007 6:34 pm  Operator: KIMT
Sample : IC2782-5  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 7:47 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 08:05:34 2007
Response via : Multiple Level Calibration




(4) Ethanol (T)

5.42min 121.65ppb

response 2685

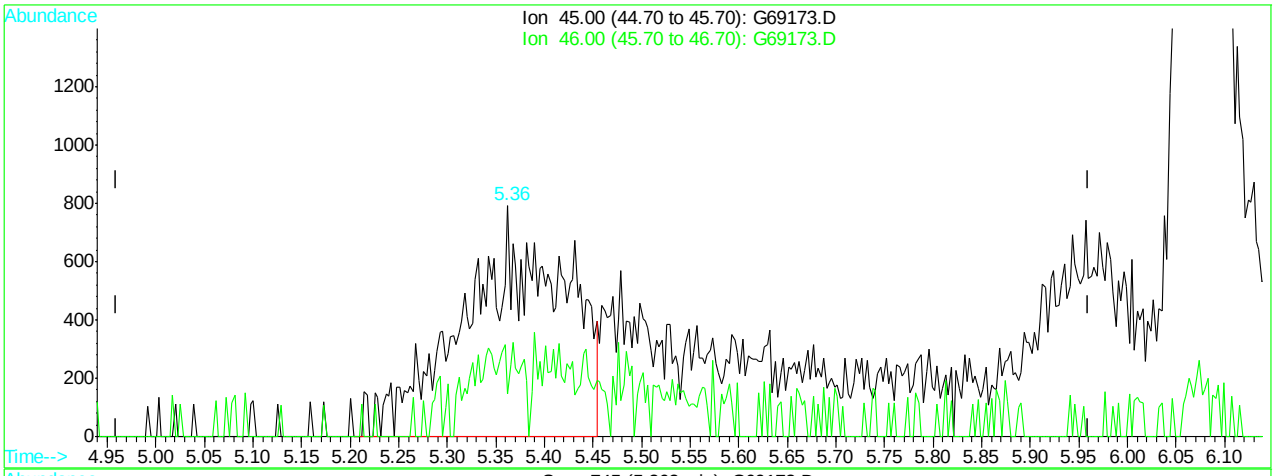
| Ion | Exp% | Act% |
|---|---|---|
| 45.00 | 100 | 100 |
| 46.00 | 0.00 | 25.85# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

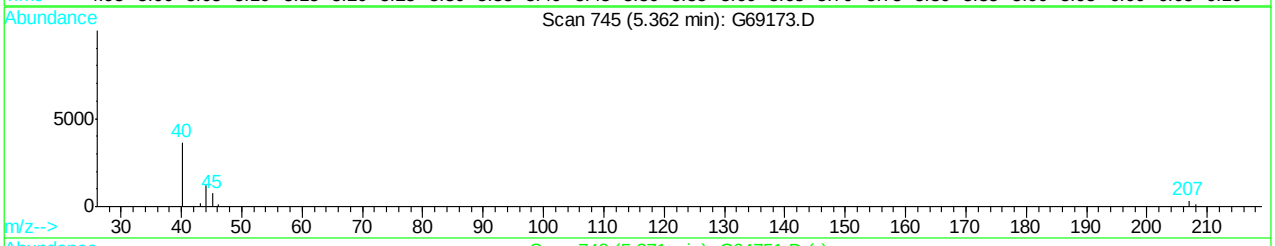
G69173.D G042507.M Thu Apr 26 08:06:24 2007 RP1

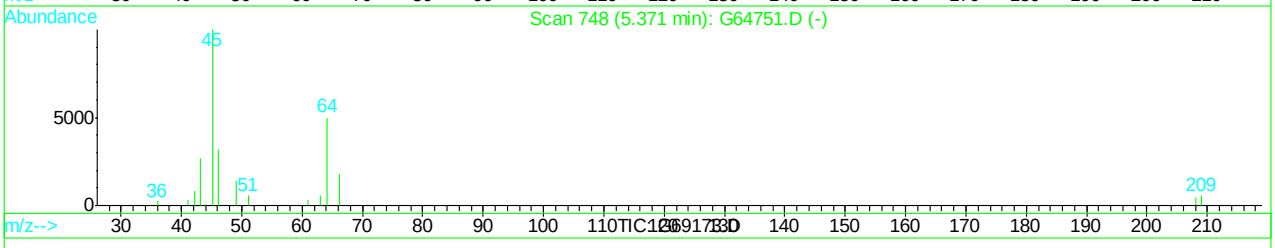
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69173.D  Vial: 7
Acq On : 25 Apr 2007 6:34 pm  Operator: KIMT
Sample : IC2782-5  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 8:07 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 08:05:34 2007
Response via : Multiple Level Calibration




(4) Ethanol (T)

5.36min 248.87ppb m

response 5493

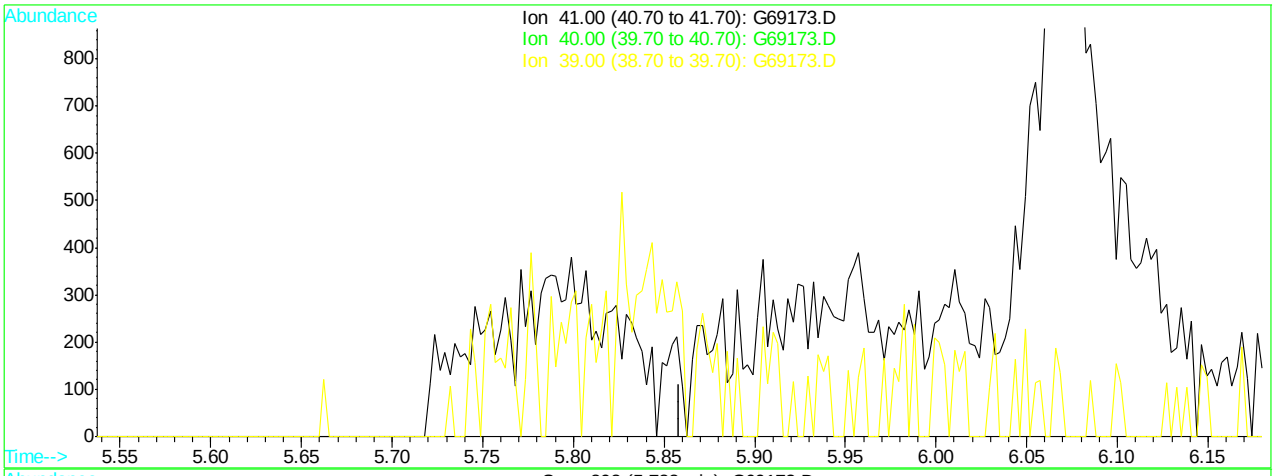
| Ion | Exp% | Act% |
|---|---|---|
| 45.00 | 100 | 100 |
| 46.00 | 0.00 | 12.63# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

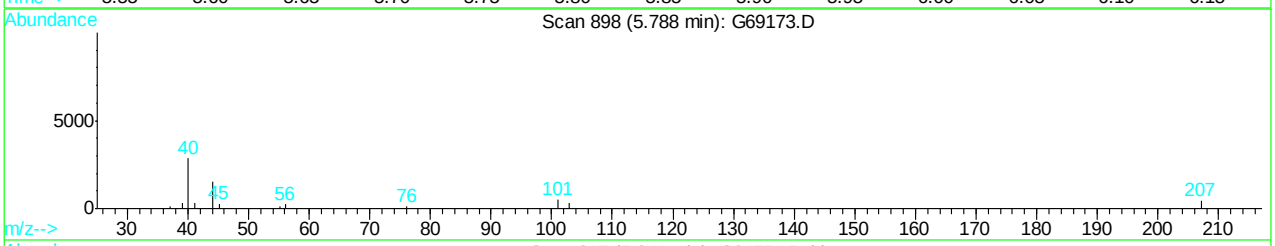
G69173.D G042507.M Thu Apr 26 08:07:14 2007 RP1

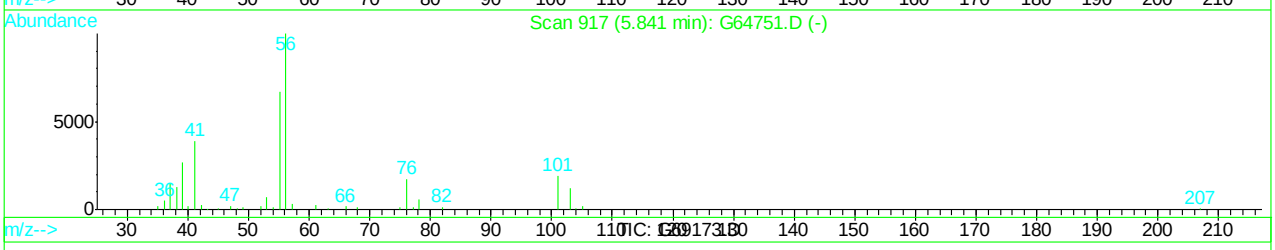
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69173.D  Vial: 7
Acq On : 25 Apr 2007 6:34 pm  Operator: KIMT
Sample : IC2782-5  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 8:07 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 08:05:34 2007
Response via : Multiple Level Calibration




(11) acetonitrile (M)

5.79min 0.00ppb

response 0

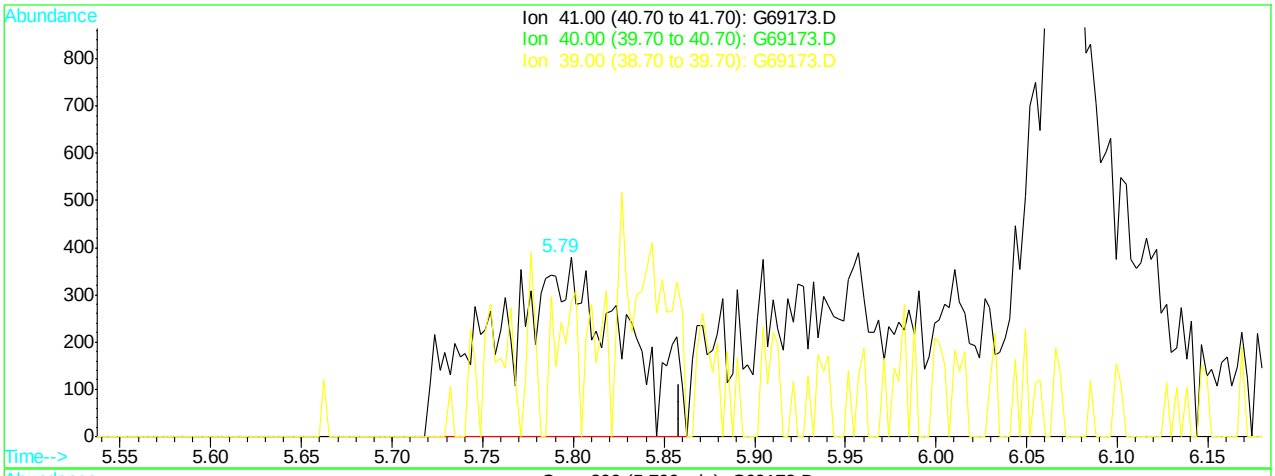
| Ion | Exp% | Act% |
|---|---|---|
| 41.00 | 100 | 0.00 |
| 40.00 | 17.20 | 0.00 |
| 39.00 | 77.40 | 0.00# |
| 0.00 | 0.00 | 0.00 |

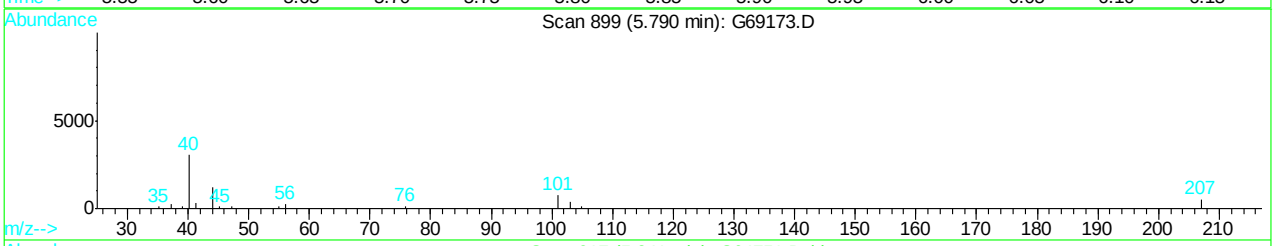
G69173.D G042507.M Thu Apr 26 08:08:07 2007 RP1

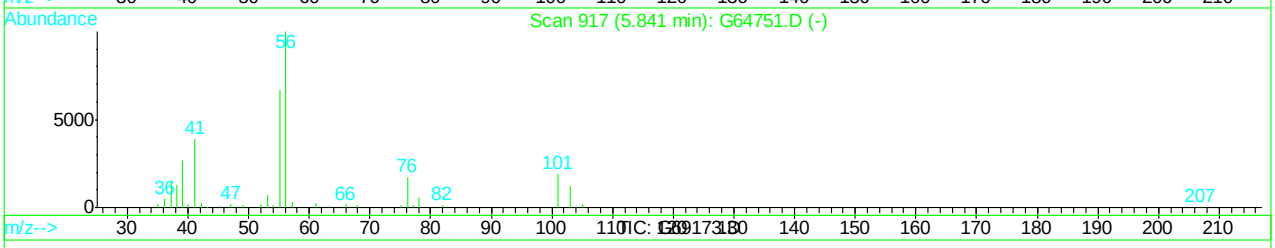
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69173.D  Vial: 7
Acq On : 25 Apr 2007 6:34 pm  Operator: KIMT
Sample : IC2782-5  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 8:08 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 08:05:34 2007
Response via : Multiple Level Calibration




(11) acetonitrile (M)

5.79min 3.25ppb m

response 1889

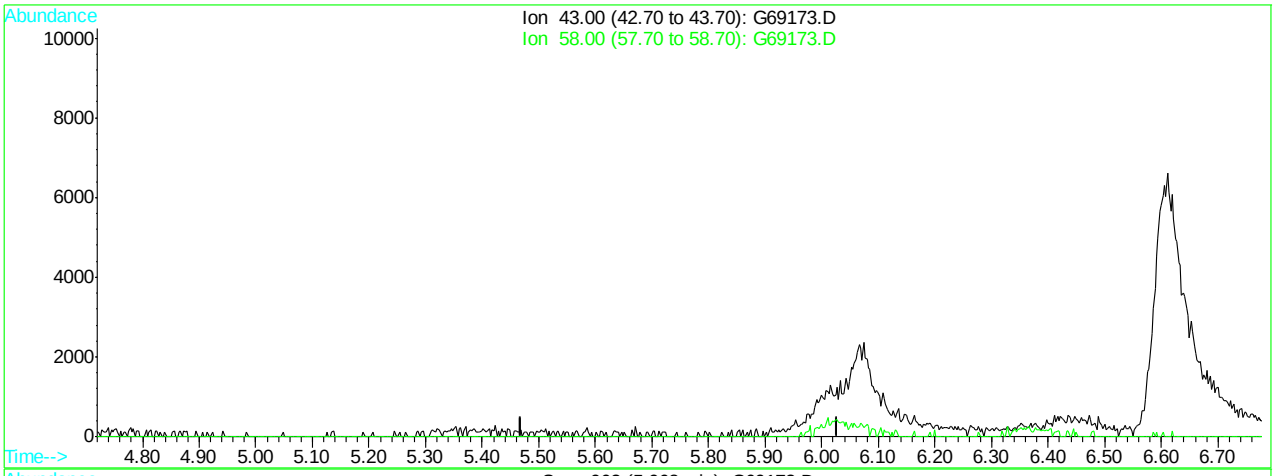
| Ion | Exp% | Act% |
|---|---|---|
| 41.00 | 100 | 100 |
| 40.00 | 17.20 | 898.82# |
| 39.00 | 77.40 | 43.66# |
| 0.00 | 0.00 | 0.00 |

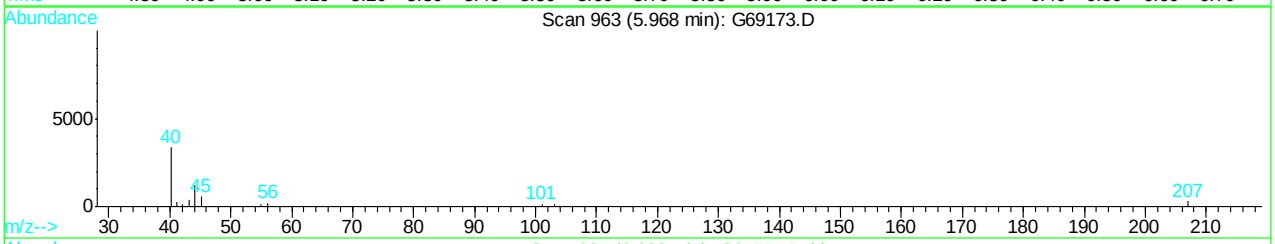
G69173.D G042507.M Thu Apr 26 08:08:21 2007 RP1

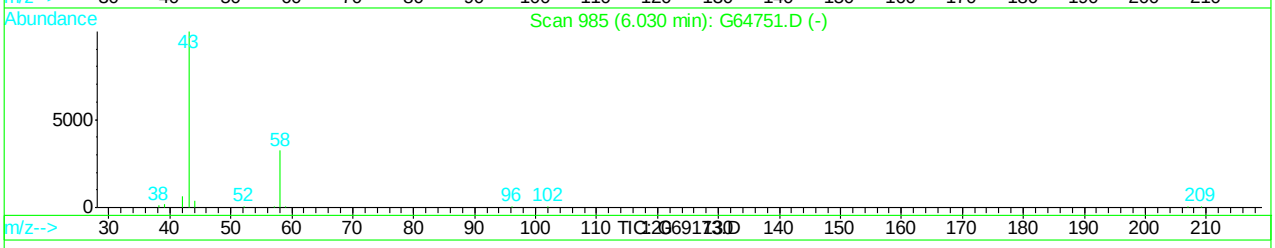
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69173.D  Vial: 7
Acq On : 25 Apr 2007 6:34 pm  Operator: KIMT
Sample : IC2782-5  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 8:08 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 08:05:34 2007
Response via : Multiple Level Calibration




(16) acetone (M)

5.97min 0.00ppb

response 0

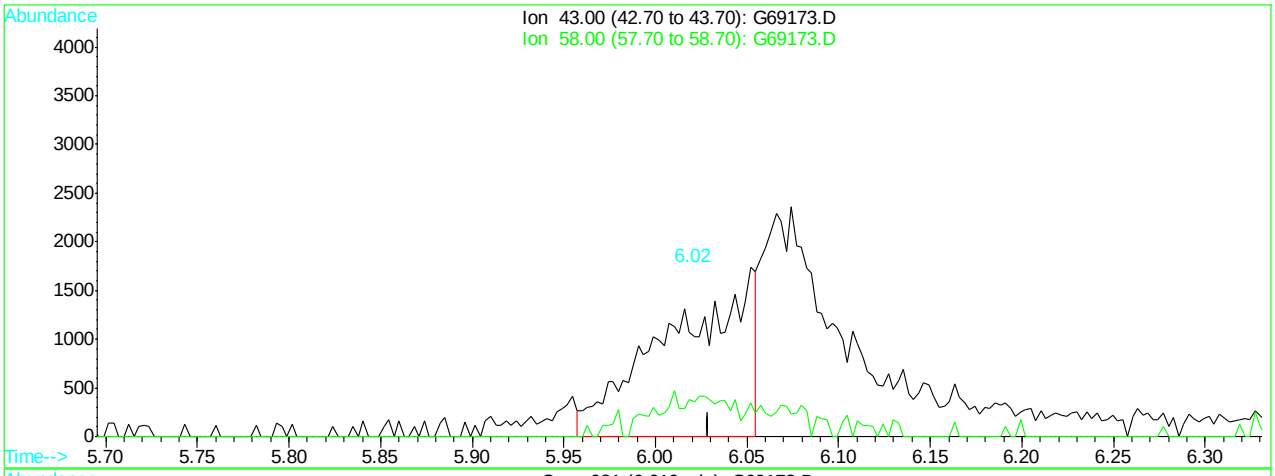
| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 0.00 |
| 58.00 | 30.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

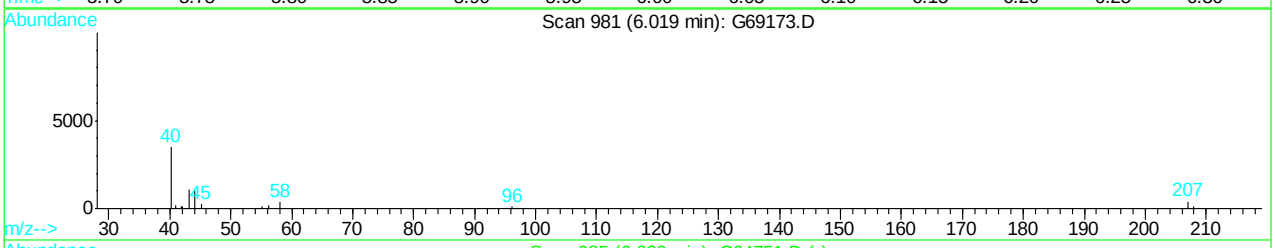
G69173.D G042507.M Thu Apr 26 08:08:35 2007 RP1

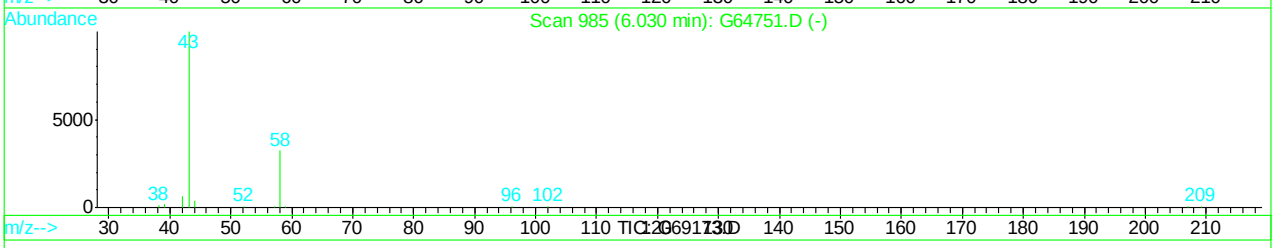
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69173.D  Vial: 7
Acq On : 25 Apr 2007 6:34 pm  Operator: KIMT
Sample : IC2782-5  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 8:09 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 08:05:34 2007
Response via : Multiple Level Calibration




(16) acetone (M)

6.02min 4.85ppb m

response 5479

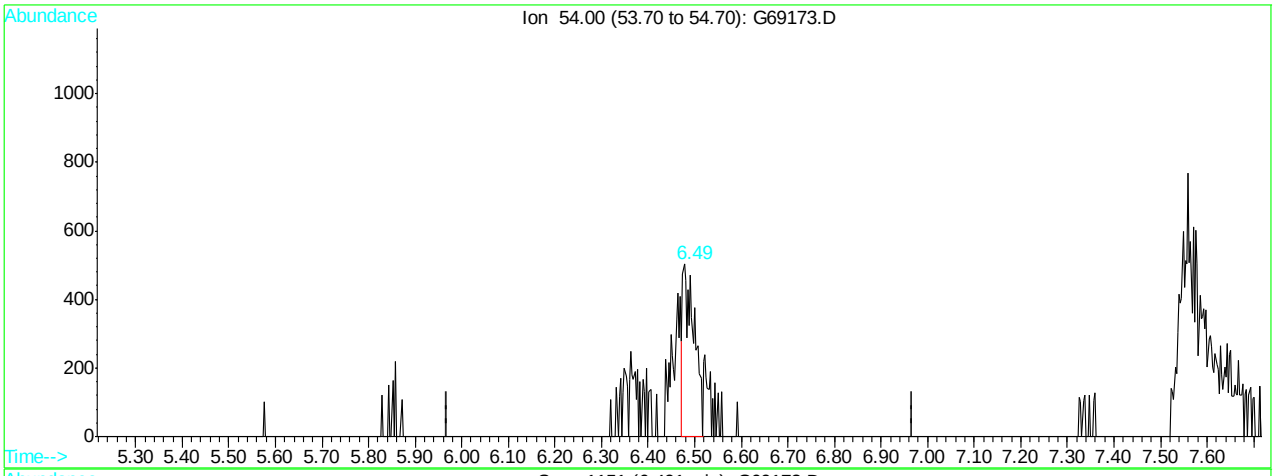
| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 58.00 | 30.00 | 35.64 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

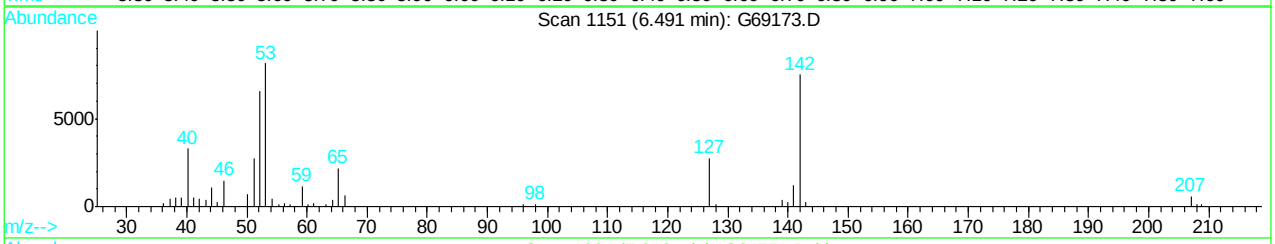
G69173.D G042507.M Thu Apr 26 08:09:41 2007 RP1

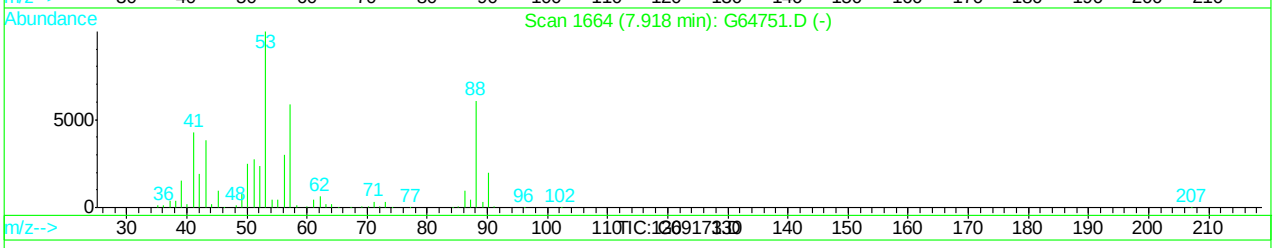
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69173.D  Vial: 7
Acq On : 25 Apr 2007 6:34 pm  Operator: KIMT
Sample : IC2782-5  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 8:09 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 08:05:34 2007
Response via : Multiple Level Calibration




(25) propionitrile (M)

6.49min 2.47ppb

response 845

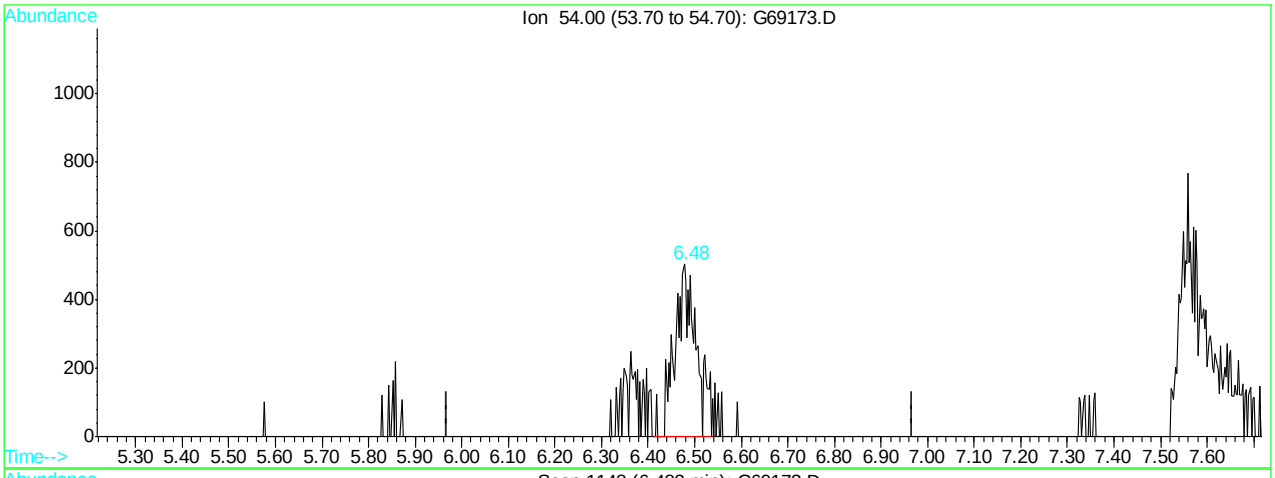
| Ion | Exp% | Act% |
|---|---|---|
| 54.00 | 100 | 100 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

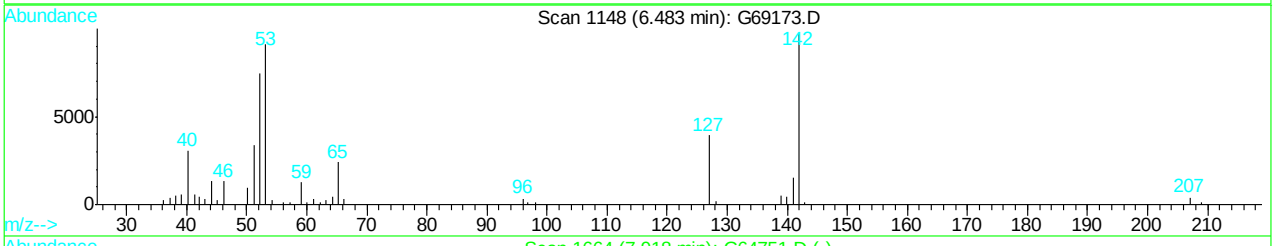
G69173.D G042507.M Thu Apr 26 08:09:54 2007 RP1

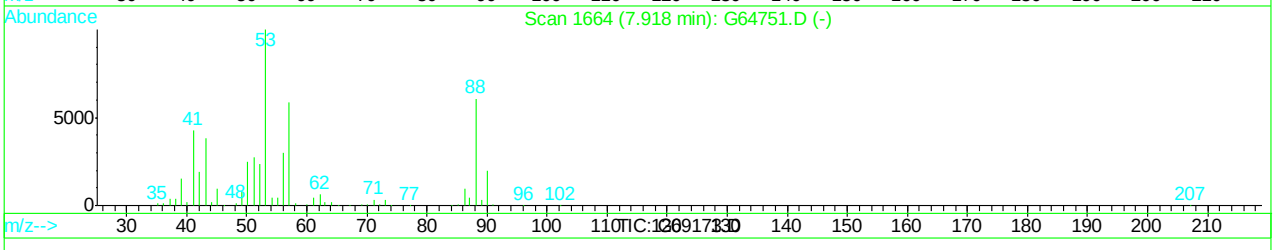
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69173.D  Vial: 7
Acq On : 25 Apr 2007 6:34 pm  Operator: KIMT
Sample : IC2782-5  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 8:09 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 08:05:34 2007
Response via : Multiple Level Calibration




(25) propionitrile (M)

6.48min 4.68ppb m

response 1602

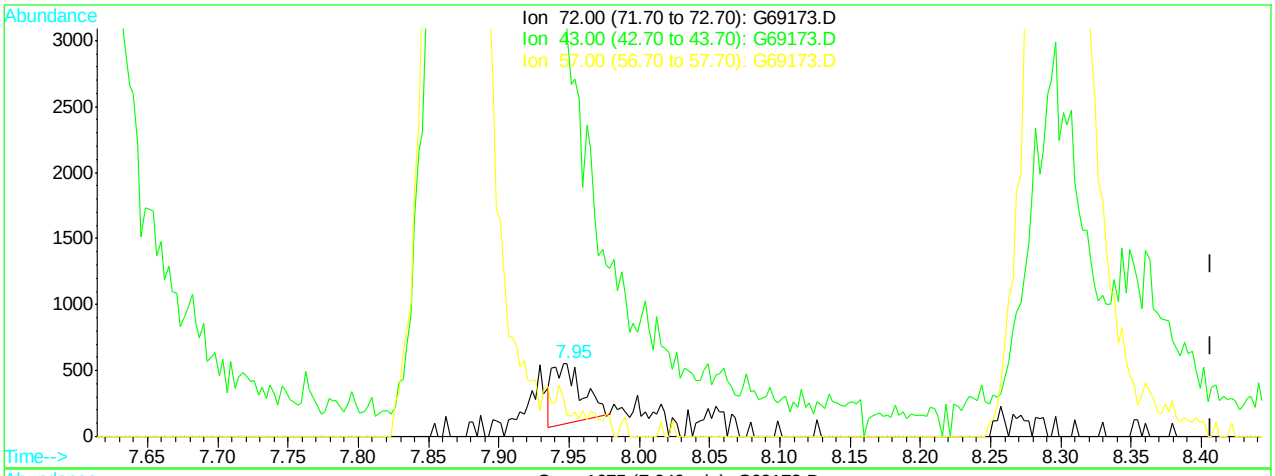
| Ion | Exp% | Act% |
|---|---|---|
| 54.00 | 100 | 100 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

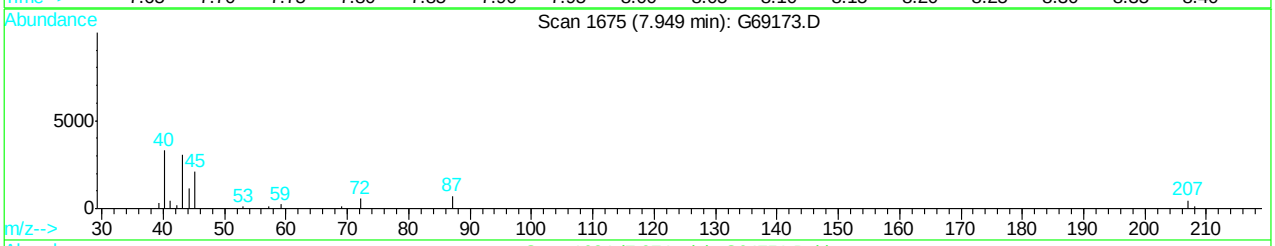
G69173.D G042507.M Thu Apr 26 08:09:59 2007 RP1

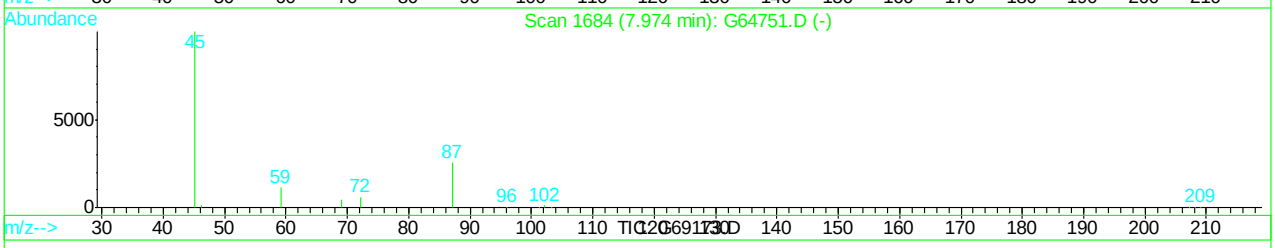
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69173.D  Vial: 7
Acq On : 25 Apr 2007 6:34 pm  Operator: KIMT
Sample : IC2782-5  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 8:09 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 08:05:34 2007
Response via : Multiple Level Calibration




(30) 2-butanone (M)

7.95min 1.08ppb

response 652

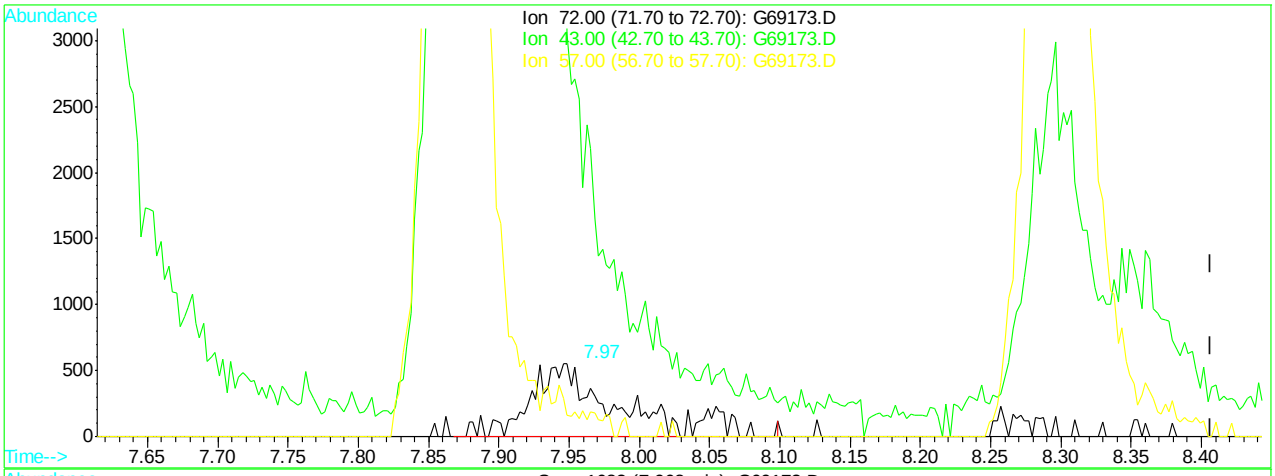
| Ion | Exp% | Act% |
|---|---|---|
| 72.00 | 100 | 100 |
| 43.00 | 1656.30 | 468.24# |
| 57.00 | 133.30 | 2.36# |
| 0.00 | 0.00 | 0.00 |

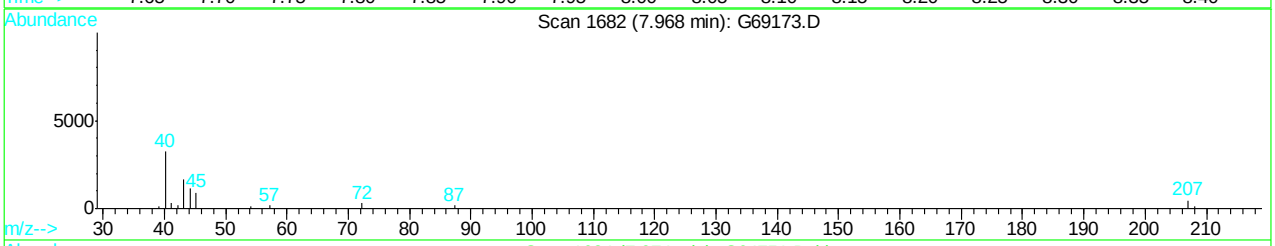
G69173.D G042507.M Thu Apr 26 08:10:32 2007 RP1

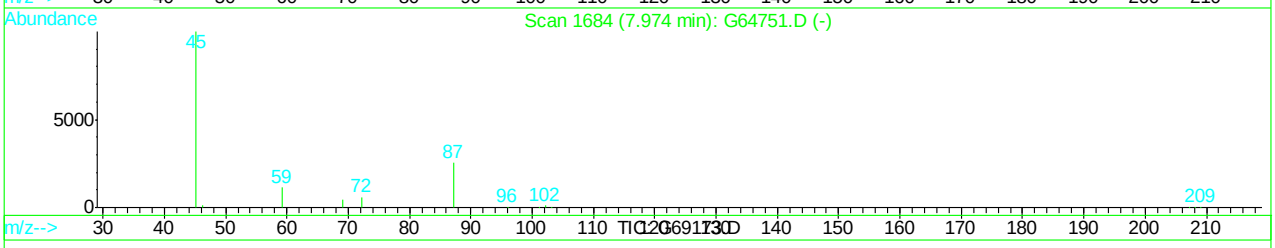
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69173.D  Vial: 7
Acq On : 25 Apr 2007 6:34 pm  Operator: KIMT
Sample : IC2782-5  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 8:10 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 08:05:34 2007
Response via : Multiple Level Calibration




(30) 2-butanone (M)

7.97min 4.02ppb m

response 2422

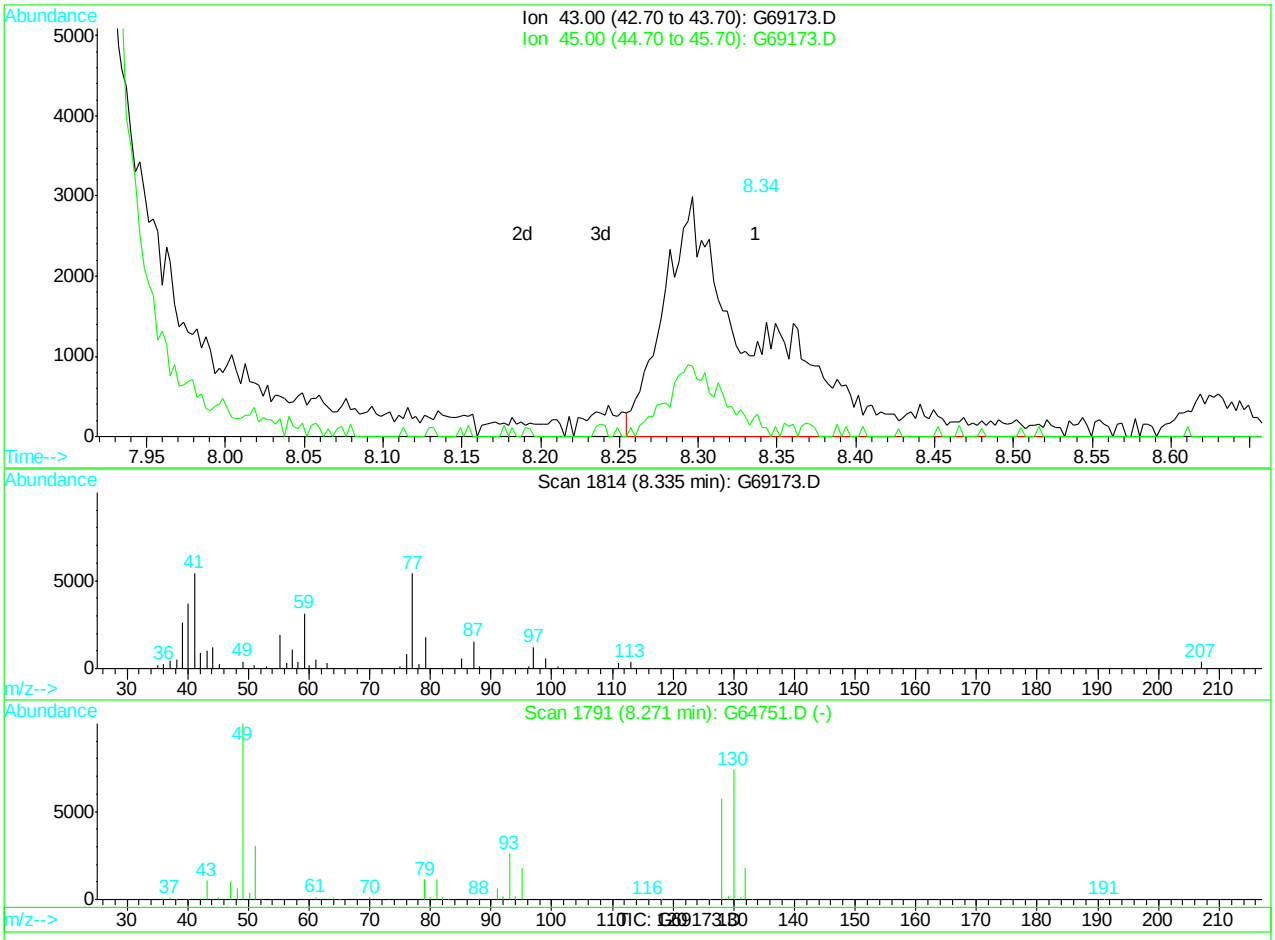
| Ion | Exp% | Act% |
|---|---|---|
| 72.00 | 100 | 100 |
| 43.00 | 1656.30 | 541.31# |
| 57.00 | 133.30 | 59.34# |
| 0.00 | 0.00 | 0.00 |

G69173.D G042507.M Thu Apr 26 08:10:46 2007 RP1

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69173.D  Vial: 7
Acq On : 25 Apr 2007 6:34 pm  Operator: KIMT
Sample : IC2782-5  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 8:10 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 08:05:34 2007
Response via : Multiple Level Calibration




(37) ethyl acetate (M)

8.34min 5.36ppb

response 13067

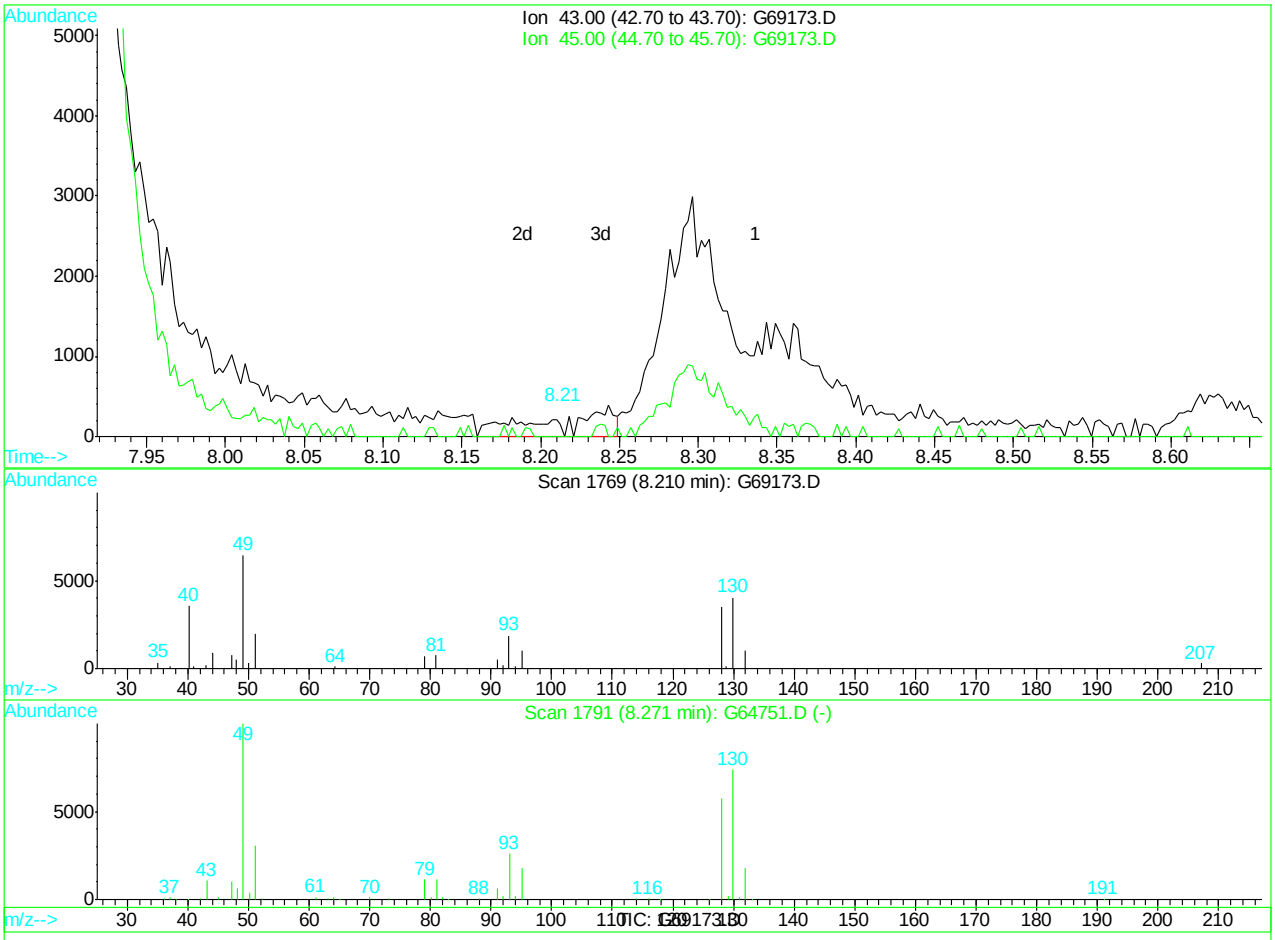
| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 45.00 | 15.30 | 23.76 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

G69173.D G042507.M Thu Apr 26 08:11:05 2007 RP1

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69173.D  Vial: 7
Acq On : 25 Apr 2007 6:34 pm  Operator: KIMT
Sample : IC2782-5  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 8:11 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 08:05:34 2007
Response via : Multiple Level Calibration




(37) ethyl acetate (M)

8.21min 0.42ppb m

response 1024

| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 45.00 | 15.30 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

G69173.D G042507.M Thu Apr 26 08:11:17 2007 RP1

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 04/27/07 13:56

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69174.D Vial: 8
Acq On : 25 Apr 2007 7:01 pm Operator: KIMT
Sample : IC2782-25 Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 8:04 2007 Quant Results File: G042507.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 07:42:36 2007
Response via : Initial Calibration
DataAcq Meth : G8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 6.42 | 65 | 133246 | 500.00 | ppb | 0.02 |
| 3) pentafluorobenzene | 8.74 | 168 | 449757 | 50.00 | ppb | 0.00 |
| 43) 1,4-difluorobenzene | 9.61 | 114 | 632357 | 50.00 | ppb | 0.00 |
| 66) chlorobenzene-d5 | 12.86 | 82 | 330449 | 50.00 | ppb | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 15.42 | 152 | 373627 | 50.00 | ppb | 0.00 |

System Monitoring Compounds

| | | | | | | |
|---|---|---|---|---|---|---|
| 40) dibromofluoromethane (s) | 8.38 | 113 | 195984 | 50.12 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 83 - 127 | | Recovery = 100.24% | | | |
| 60) toluene-d8 (s) | 11.40 | 98 | 774194 | 50.16 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 89 - 112 | | Recovery = 100.32% | | | |
| 82) bromofluorobenzene (s) | 14.09 | 95 | 304775 | 47.70 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 81 - 119 | | Recovery = 95.40% | | | |

Target Compounds

| | | | | | | | Qvalue |
|---|---|---|---|---|---|---|---|
| 2) tertiary butyl alcohol | 6.45 | 59 | 73423 | 255.45 | ppb | | 86 |
| 4) Ethanol | 5.47 | 45 | 54713m | 2456.41 | ppb | | |
| 5) dichlorodifluoromethane | 4.14 | 85 | 113648 | 25.47 | ppb | | 95 |
| 6) chloromethane | 4.33 | 50 | 129629 | 29.83 | ppb | | 100 |
| 7) vinyl chloride | 4.59 | 62 | 121192 | 28.56 | ppb | | 94 |
| 8) bromomethane | 5.06 | 96 | 87742 | 25.49 | ppb | | 96 |
| 9) chloroethane | 5.22 | 64 | 79779 | 24.90 | ppb | | 99 |
| 10) ethyl ether | 6.07 | 59 | 91325 | 23.43 | ppb | | 95 |
| 11) acetonitrile | 5.78 | 41 | 9376m | 15.97 | ppb | | |
| 12) trichlorofluoromethane | 5.87 | 101 | 134090 | 24.97 | ppb | | 97 |
| 13) freon-113 | 6.63 | 101 | 92611 | 24.28 | ppb | | 98 |
| 14) acrolein | 5.85 | 56 | 87574 | 117.60 | ppb | | 99 |
| 15) 1,1-dichloroethene | 6.42 | 96 | 96362 | 23.70 | ppb | | 94 |
| 16) acetone | 5.98 | 43 | 24546m | 21.52 | ppb | | |
| 17) Methyl Acetate | 6.62 | 43 | 157228 | 23.99 | ppb | | 99 |
| 18) methylene chloride | 6.56 | 84 | 119472 | 24.90 | ppb | | 95 |
| 19) methyl tert butyl ether | 7.34 | 73 | 293498 | 22.78 | ppb | | 100 |
| 20) acrylonitrile | 6.49 | 53 | 229416 | 125.84 | ppb | | 99 |
| 21) allyl chloride | 6.65 | 41 | 174357 | 25.69 | ppb | | 94 |
| 22) trans-1,2-dichloroethene | 7.24 | 96 | 106571 | 23.96 | ppb | | 96 |
| 23) iodomethane | 6.48 | 142 | 183763 | 23.53 | ppb | | 100 |
| 24) carbon disulfide | 6.84 | 76 | 310017 | 25.32 | ppb | | 99 |
| 25) propionitrile | 6.48 | 54 | 9500m | 27.50 | ppb | | |
| 26) vinyl acetate | 7.60 | 43 | 201746 | 21.25 | ppb | | 98 |
| 27) chloroprene | 7.85 | 53 | 140898 | 24.64 | ppb | | 91 |
| 28) di-isopropyl ether | 7.90 | 45 | 406684 | 26.35 | ppb | | 90 |
| 29) methacrylonitrile | 8.01 | 41 | 77443 | 24.50 | ppb | | 99 |
| 30) 2-butanone | 7.93 | 72 | 10619 | 17.48 | ppb | # | 1 |
| 31) Hexane | 7.88 | 41 | 167913 | 26.68 | ppb | | 87 |
| 32) 1,1-dichloroethane | 7.49 | 63 | 190267 | 24.54 | ppb | | 99 |
| 33) tert-butyl ethyl ether | 8.30 | 59 | 339249 | 23.61 | ppb | | 97 |
| 34) isobutyl alcohol | 8.32 | 43 | 60718 | 123.37 | ppb | # | 15 |
| 35) 2,2-dichloropropane | 8.36 | 77 | 125148 | 23.72 | ppb | | 98 |
| 36) cis-1,2-dichloroethene | 8.06 | 96 | 120551 | 24.04 | ppb | | 93 |
| 37) ethyl acetate | 8.22 | 43 | 2697m | 1.10 | ppb | | |

(#) = qualifier out of range (m) = manual integration
G69174.D G042507.M Thu Apr 26 08:05:06 2007 RP1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69174.D Vial: 8
Acq On : 25 Apr 2007 7:01 pm Operator: KIMT
Sample : IC2782-25 Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 8:04 2007 Quant Results File: G042507.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 07:42:36 2007
Response via : Initial Calibration
DataAcq Meth : G8260

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|---|---|---|---|---|---|---|
| 38) bromochloromethane | 8.22 | 128 | 59866 | 23.54 | ppb | 95 |
| 39) chloroform | 8.26 | 83 | 188685 | 24.70 | ppb | 92 |
| 41) Tetrahydrofuran | 8.63 | 42 | 34140 | 22.83 | ppb | 96 |
| 42) 1,1,1-trichloroethane | 9.02 | 97 | 155683 | 24.40 | ppb | 97 |
| 44) Cyclohexane | 9.30 | 56 | 186115 | 25.06 | ppb | 98 |
| 45) carbon tetrachloride | 9.38 | 117 | 143435 | 24.31 | ppb | 99 |
| 46) 1,1-dichloropropene | 9.18 | 75 | 136804 | 23.60 | ppb | 97 |
| 47) benzene | 9.41 | 78 | 435674 | 24.54 | ppb | 100 |
| 48) 1,2-dichloroethane | 8.91 | 62 | 134550 | 24.41 | ppb | 98 |
| 49) tert-amyl methyl ether | 9.54 | 73 | 314219 | 22.71 | ppb | 96 |
| 50) heptane | 9.89 | 43 | 152015 | 25.68 | ppb | 94 |
| 51) trichloroethene | 10.03 | 95 | 106727 | 23.23 | ppb | 93 |
| 52) 1,2-dichloropropane | 9.99 | 63 | 108752 | 24.77 | ppb | 98 |
| 53) dibromomethane | 9.97 | 93 | 68050 | 24.07 | ppb | 94 |
| 54) bromodichloromethane | 10.08 | 83 | 153348 | 24.72 | ppb | 97 |
| 55) Methylcyclohexane | 10.55 | 83 | 184761 | 23.69 | ppb | 95 |
| 56) 2-chloroethyl vinyl ether | 10.45 | 63 | 59953 | 21.14 | ppb | 98 |
| 57) methyl methacrylate | 10.18 | 69 | 78281 | 23.67 | ppb | 96 |
| 58) 1,4-dioxane | 10.24 | 88 | 1205 | 44.52 | ppb | 68 |
| 59) cis-1,3-dichloropropene | 10.70 | 75 | 174465 | 24.13 | ppb | 95 |
| 61) 4-methyl-2-pentanone | 10.80 | 43 | 121225 | 25.70 | ppb | 97 |
| 62) toluene | 11.48 | 92 | 285365 | 24.80 | ppb | 99 |
| 63) trans-1,3-dichloropropene | 11.12 | 75 | 148384 | 23.85 | ppb | 95 |
| 64) 1,1,2-trichloroethane | 11.29 | 83 | 85863 | 24.81 | ppb | 100 |
| 65) ethyl methacrylate | 11.50 | 69 | 152501 | 24.98 | ppb | 86 |
| 67) tetrachloroethene | 12.22 | 166 | 133360 | 22.44 | ppb | 99 |
| 68) 1,3-dichloropropane | 11.53 | 76 | 177943 | 25.08 | ppb | 99 |
| 69) dibromochloromethane | 11.81 | 129 | 127707 | 24.34 | ppb | 100 |
| 70) 1,2-dibromoethane | 12.07 | 107 | 107436 | 23.95 | ppb | 100 |
| 71) 2-hexanone | 11.65 | 43 | 84855 | 25.01 | ppb | 99 |
| 72) chlorobenzene | 12.90 | 112 | 330648 | 23.89 | ppb | 97 |
| 73) 1,1,1,2-tetrachloroethane | 12.82 | 131 | 118123 | 22.62 | ppb | 98 |
| 74) ethylbenzene | 13.07 | 91 | 552910 | 24.87 | ppb | 97 |
| 75) m,p-xylene | 13.26 | 106 | 437812 | 50.11 | ppb | 91 |
| 76) o-xylene | 13.67 | 106 | 218139 | 24.48 | ppb | 95 |
| 77) styrene | 13.60 | 104 | 364153 | 23.90 | ppb | 98 |
| 78) bromoform | 13.42 | 173 | 104368 | 24.15 | ppb | 99 |
| 79) trans-1,4-dichloro-2-buten | 13.82 | 53 | 34851 | 23.25 | ppb | 89 |
| 81) isopropylbenzene | 14.03 | 105 | 507026 | 23.22 | ppb | 96 |
| 83) bromobenzene | 14.32 | 156 | 165622 | 21.99 | ppb | 91 |
| 84) 1,1,2,2-tetrachloroethane | 13.67 | 83 | 155246 | 25.94 | ppb | 99 |
| 85) 1,2,3-trichloropropane | 13.82 | 75 | 160847 | 22.83 | ppb | 98 |
| 86) n-propylbenzene | 14.48 | 91 | 680859 | 24.28 | ppb | 94 |
| 87) 2-chlorotoluene | 14.60 | 91 | 407645 | 23.84 | ppb | 93 |
| 88) 4-chlorotoluene | 14.67 | 91 | 410221 | 23.61 | ppb | 93 |
| 89) 1,3,5-trimethylbenzene | 14.76 | 105 | 492051 | 25.07 | ppb | 95 |
| 90) tert-butylbenzene | 15.17 | 91 | 49888 | 25.23 | ppb | 98 |
| 91) 1,2,4-trimethylbenzene | 15.17 | 105 | 506687 | 25.20 | ppb | 98 |
| 92) sec-butylbenzene | 15.29 | 105 | 652045 | 27.23 | ppb | 95 |

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69174.D Vial: 8
Acq On : 25 Apr 2007 7:01 pm Operator: KIMT
Sample : IC2782-25 Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 8:04 2007 Quant Results File: G042507.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 07:42:36 2007
Response via : Initial Calibration
DataAcq Meth : G8260

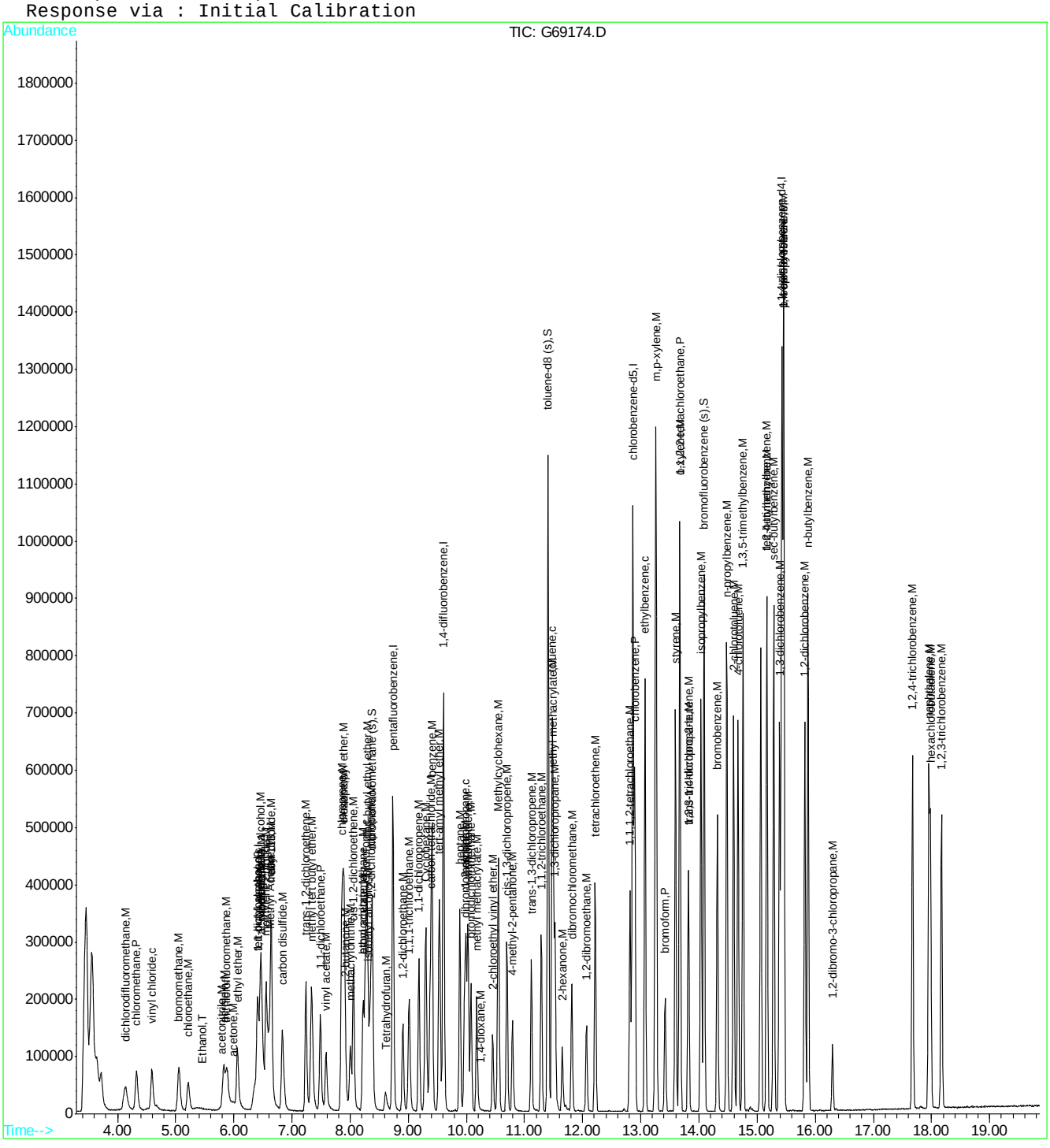
| | Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|---|---|---|---|---|---|---|---|
| 93) | 1,3-dichlorobenzene | 15.39 | 146 | 313439 | 24.16 | ppb | 97 |
| 94) | p-isopropyltoluene | 15.46 | 119 | 565868 | 28.87 | ppb | 97 |
| 95) | 1,4-dichlorobenzene | 15.45 | 146 | 327826 | 26.64 | ppb | 97 |
| 96) | 1,2-dichlorobenzene | 15.82 | 146 | 306707 | 25.63 | ppb | 98 |
| 97) | n-butylbenzene | 15.88 | 91 | 519253 | 30.03 | ppb | 92 |
| 98) | 1,2-dibromo-3-chloropropan | 16.30 | 75 | 28136 | 28.16 | ppb | 89 |
| 99) | 1,2,4-trichlorobenzene | 17.67 | 180 | 225345 | 28.83 | ppb | 99 |
| 100) | hexachlorobutadiene | 17.98 | 225 | 126492 | 35.68 | ppb | 99 |
| 101) | naphthalene | 17.95 | 128 | 492660 | 26.74 | ppb | 100 |
| 102) | 1,2,3-trichlorobenzene | 18.17 | 180 | 193614 | 28.67 | ppb | 99 |

(#) = qualifier out of range (m) = manual integration
G69174.D G042507.M Thu Apr 26 08:05:06 2007 RP1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\G69174.D Vial: 8
Acq On : 25 Apr 2007 7:01 pm Operator: KIMT
Sample : IC2782-25 Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 8:04 2007 Quant Results File: G042507.RES

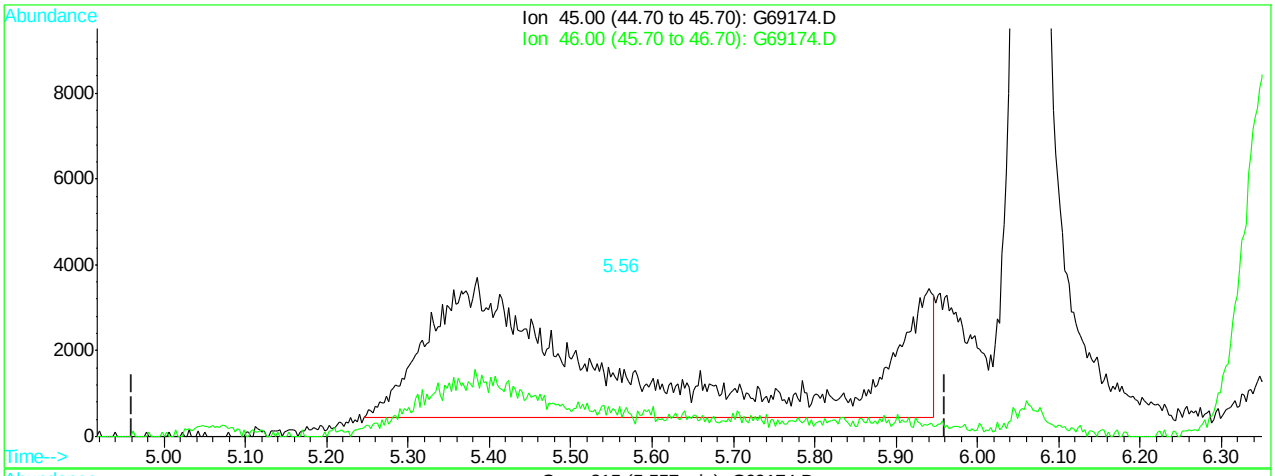
Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 08:00:58 2007
Response via : Initial Calibration

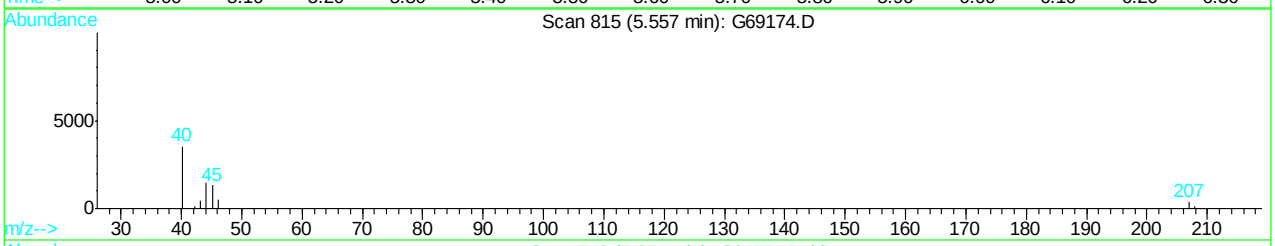


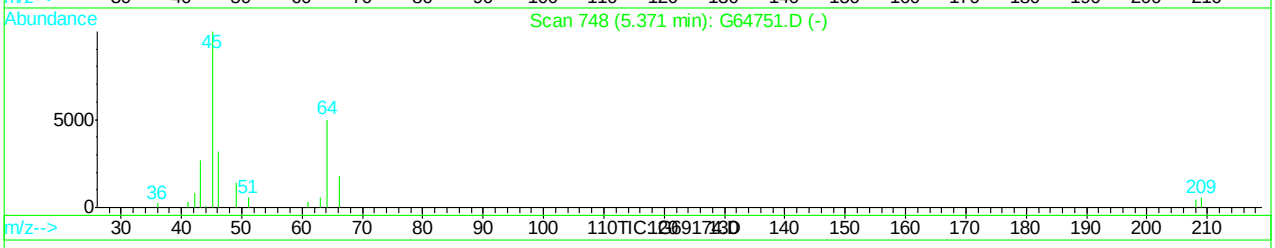
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69174.D  Vial: 8
Acq On : 25 Apr 2007 7:01 pm  Operator: KIMT
Sample : IC2782-25  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 7:47 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 08:00:58 2007
Response via : Multiple Level Calibration




(4) Ethanol (T)

5.56min 2284.23ppb

response 50878

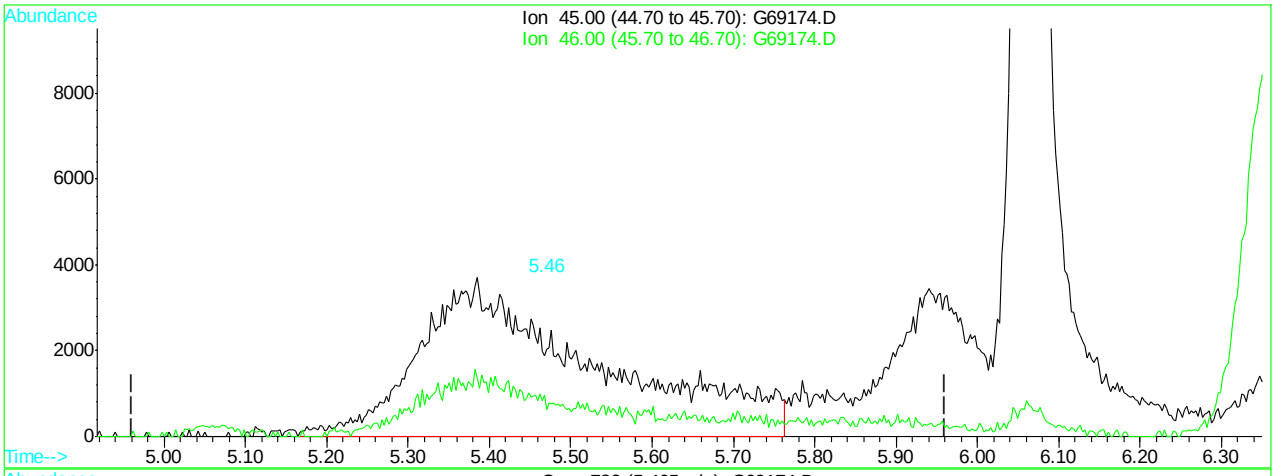
| Ion | Exp% | Act% |
|---|---|---|
| 45.00 | 100 | 100 |
| 46.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

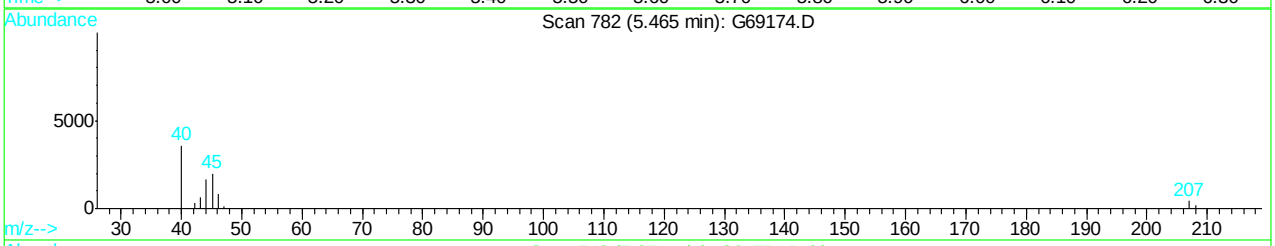
G69174.D G042507.M Thu Apr 26 08:01:40 2007 RP1

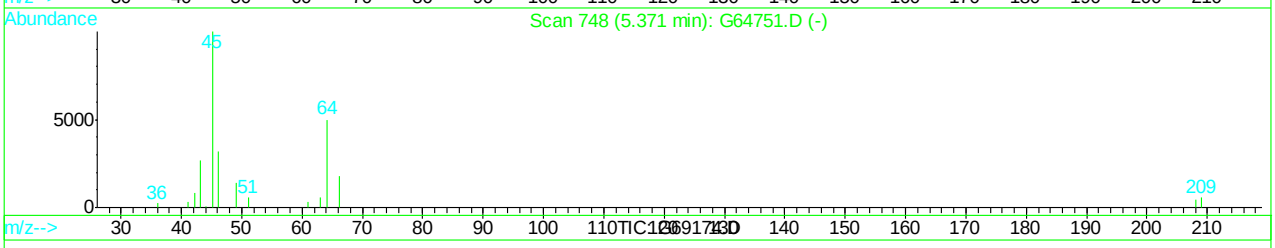
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69174.D  Vial: 8
Acq On : 25 Apr 2007 7:01 pm  Operator: KIMT
Sample : IC2782-25  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 8:02 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 08:00:58 2007
Response via : Multiple Level Calibration




(4) Ethanol (T)

5.47min 2456.41ppb m

response 54713

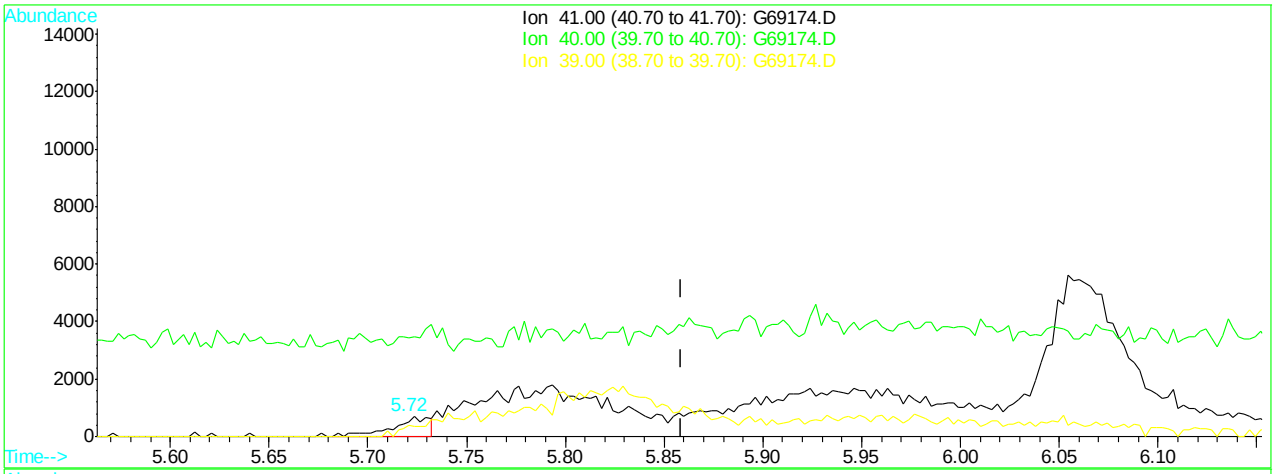
| Ion | Exp% | Act% |
|---|---|---|
| 45.00 | 100 | 100 |
| 46.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

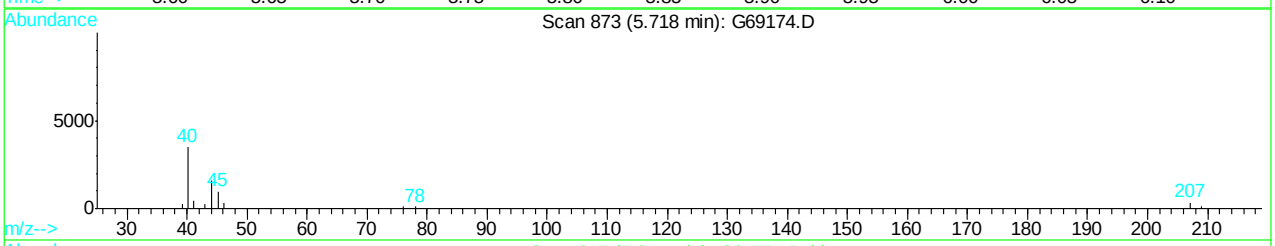
G69174.D G042507.M Thu Apr 26 08:02:50 2007 RP1

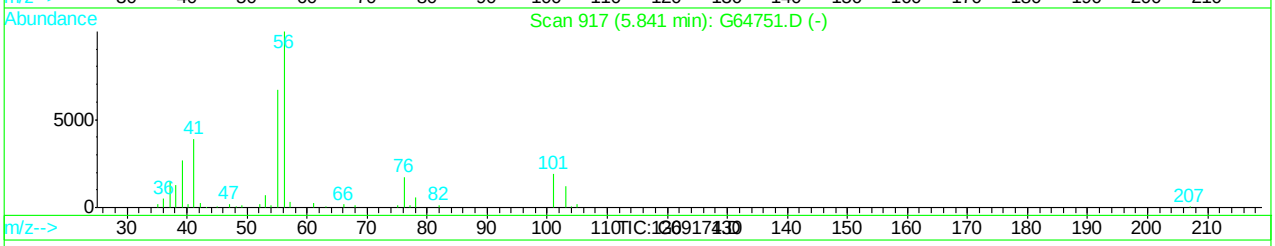
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69174.D  Vial: 8
Acq On : 25 Apr 2007 7:01 pm  Operator: KIMT
Sample : IC2782-25  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 8:02 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 08:00:58 2007
Response via : Multiple Level Calibration




(11) acetonitrile (M)

5.72min 1.55ppb

response 908

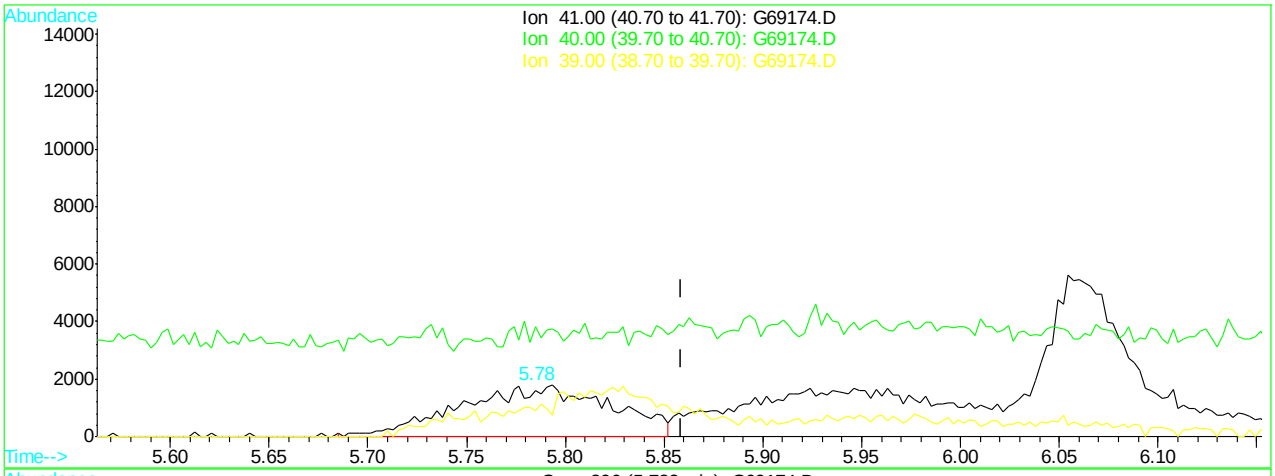
| Ion | Exp% | Act% |
|---|---|---|
| 41.00 | 100 | 100 |
| 40.00 | 17.20 | 44.32 |
| 39.00 | 77.40 | 63.47 |
| 0.00 | 0.00 | 0.00 |

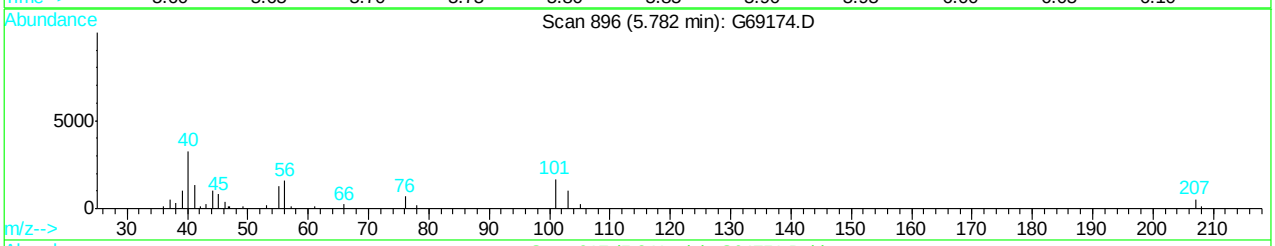
G69174.D G042507.M Thu Apr 26 08:03:02 2007 RP1

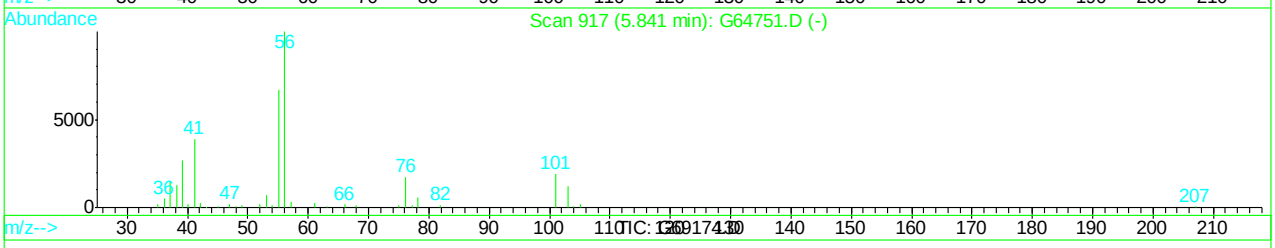
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69174.D  Vial: 8
Acq On : 25 Apr 2007 7:01 pm  Operator: KIMT
Sample : IC2782-25  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 8:03 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 08:00:58 2007
Response via : Multiple Level Calibration




(11) acetonitrile (M)

5.78min 15.97ppb m

response 9376

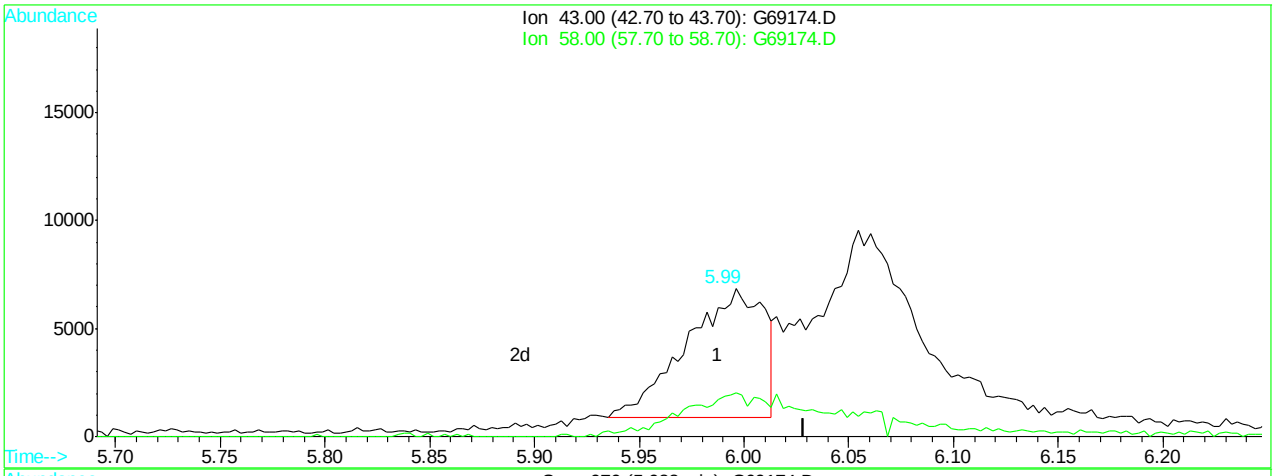
| Ion | Exp% | Act% |
|---|---|---|
| 41.00 | 100 | 100 |
| 40.00 | 17.20 | 242.14# |
| 39.00 | 77.40 | 74.04 |
| 0.00 | 0.00 | 0.00 |

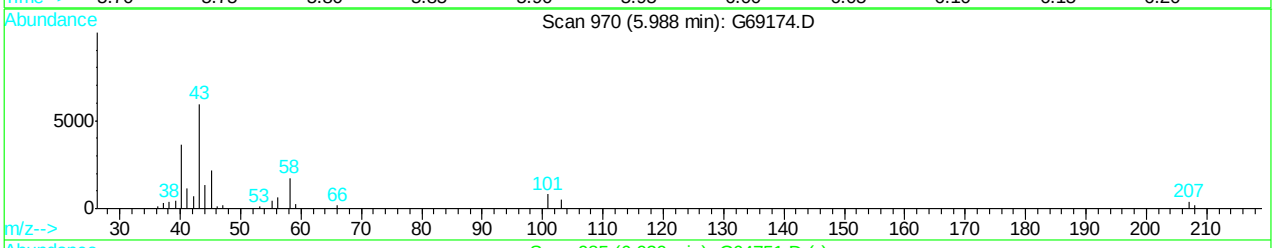
G69174.D G042507.M Thu Apr 26 08:03:08 2007 RP1

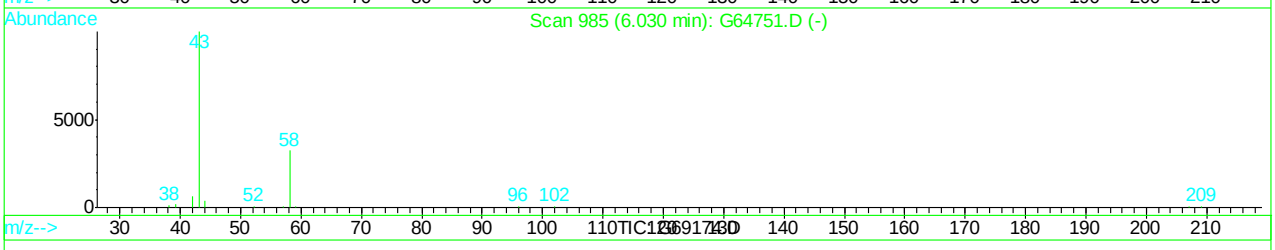
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69174.D  Vial: 8
Acq On : 25 Apr 2007 7:01 pm  Operator: KIMT
Sample : IC2782-25  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 8:03 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 08:00:58 2007
Response via : Multiple Level Calibration




(16) acetone (M)

5.99min 13.61ppb

response 15525

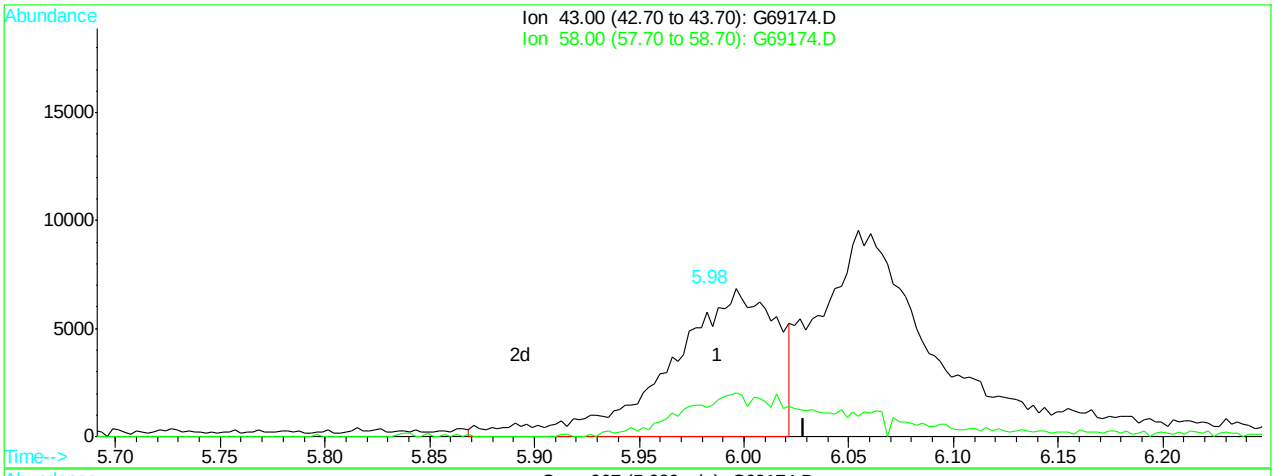
| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 58.00 | 30.00 | 29.10 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

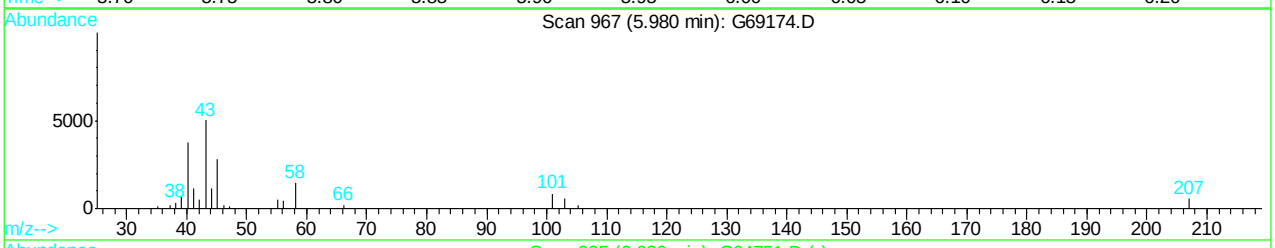
G69174.D G042507.M Thu Apr 26 08:03:16 2007 RP1

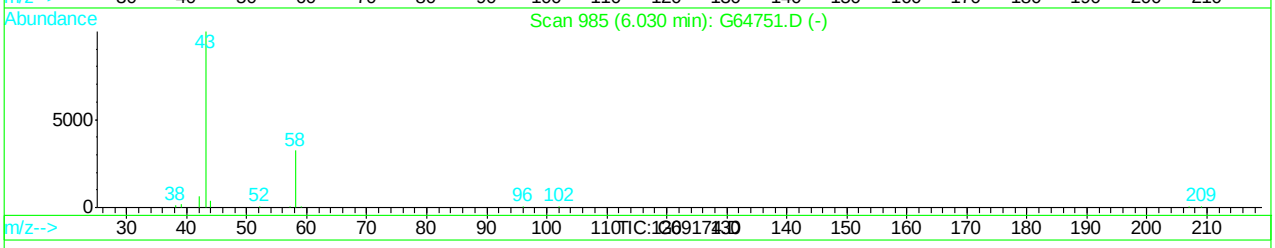
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69174.D  Vial: 8
Acq On : 25 Apr 2007 7:01 pm  Operator: KIMT
Sample : IC2782-25  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 8:03 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 08:00:58 2007
Response via : Multiple Level Calibration




(16) acetone (M)

5.98min 21.52ppb m

response 24546

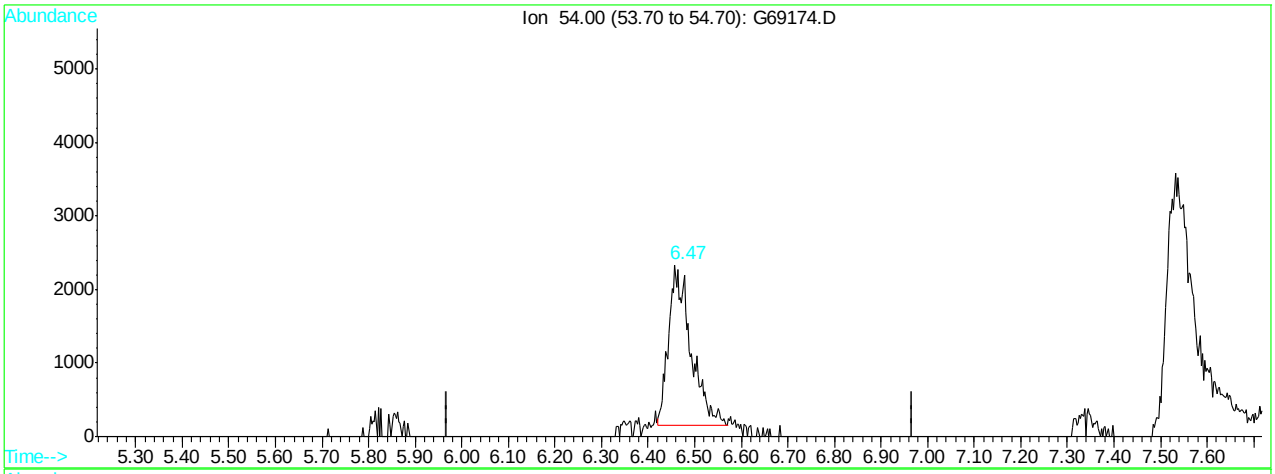
| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 58.00 | 30.00 | 28.76 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

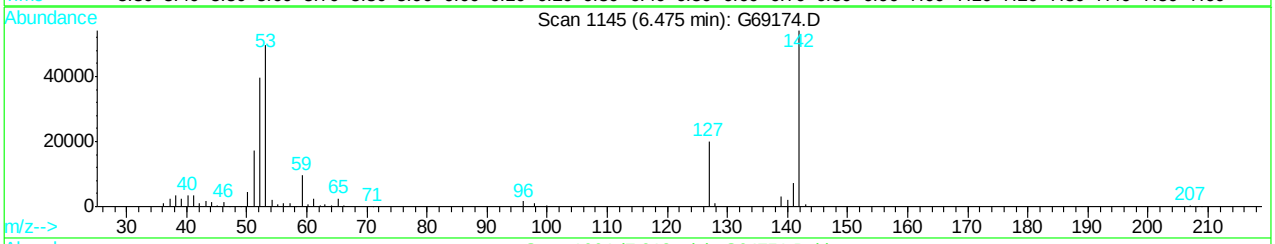
G69174.D G042507.M Thu Apr 26 08:03:28 2007 RP1

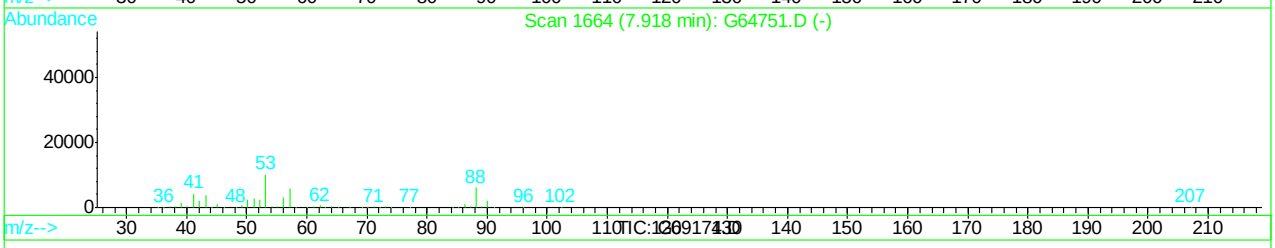
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69174.D  Vial: 8
Acq On : 25 Apr 2007 7:01 pm  Operator: KIMT
Sample : IC2782-25  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 8:03 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 08:00:58 2007
Response via : Multiple Level Calibration




(25) propionitrile (M)

6.47min 20.68ppb

response 7145

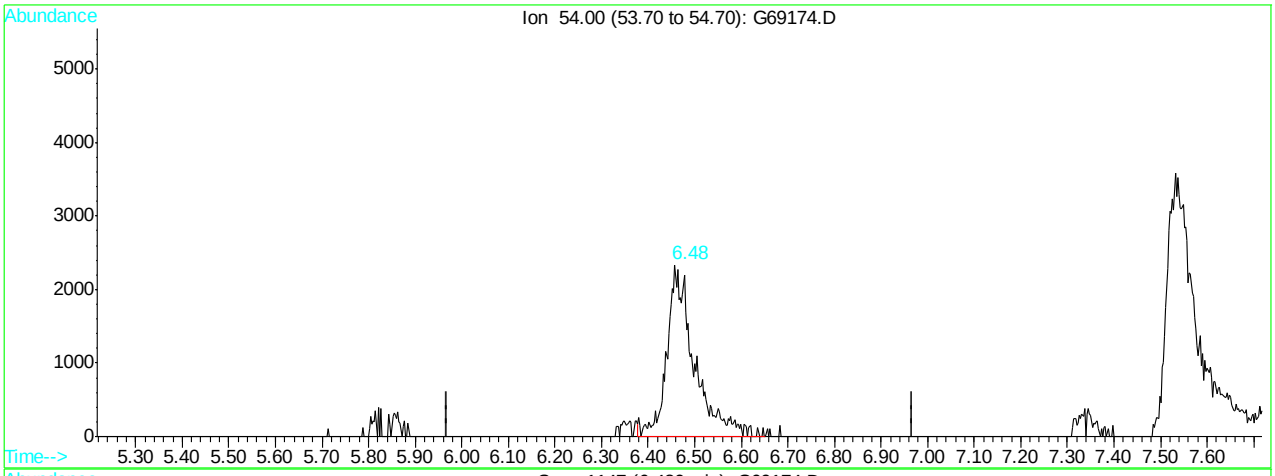
| Ion | Exp% | Act% |
|---|---|---|
| 54.00 | 100 | 100 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

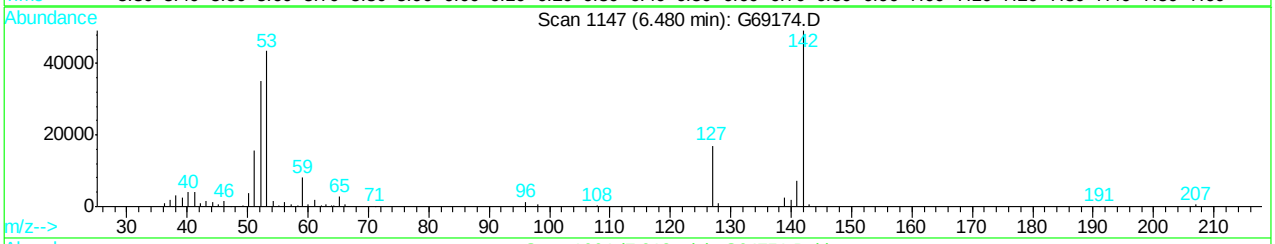
G69174.D G042507.M Thu Apr 26 08:03:41 2007 RP1

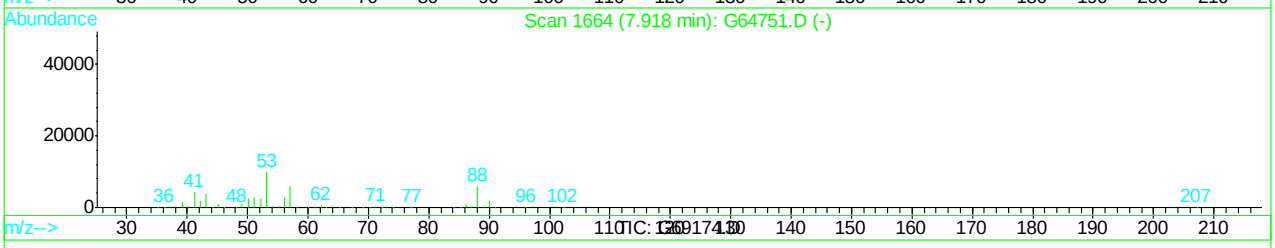
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69174.D  Vial: 8
Acq On : 25 Apr 2007 7:01 pm  Operator: KIMT
Sample : IC2782-25  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 8:03 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 08:00:58 2007
Response via : Multiple Level Calibration




(25) propionitrile (M)

6.48min 27.50ppb m

response 9500

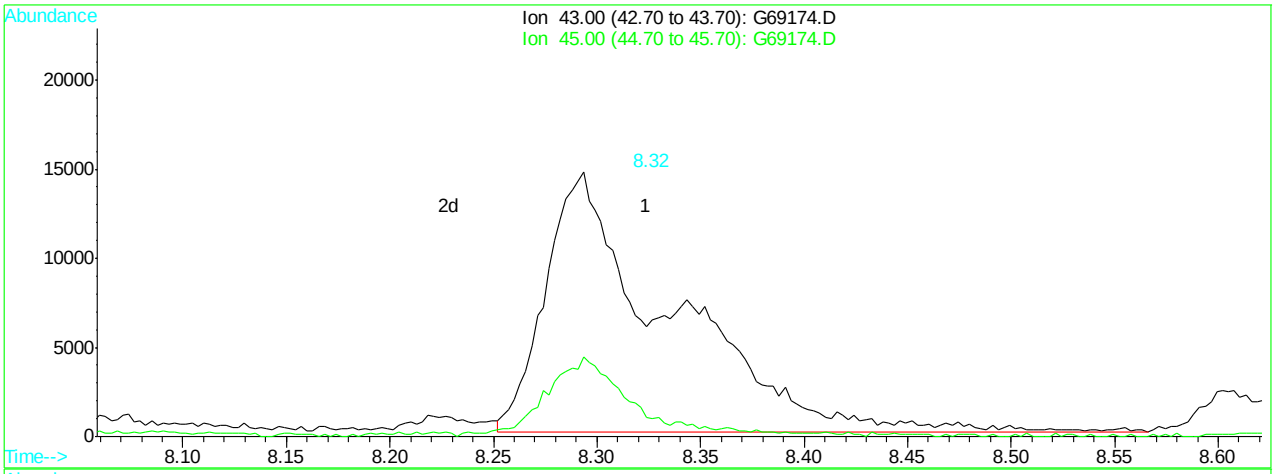
| Ion | Exp% | Act% |
|---|---|---|
| 54.00 | 100 | 100 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

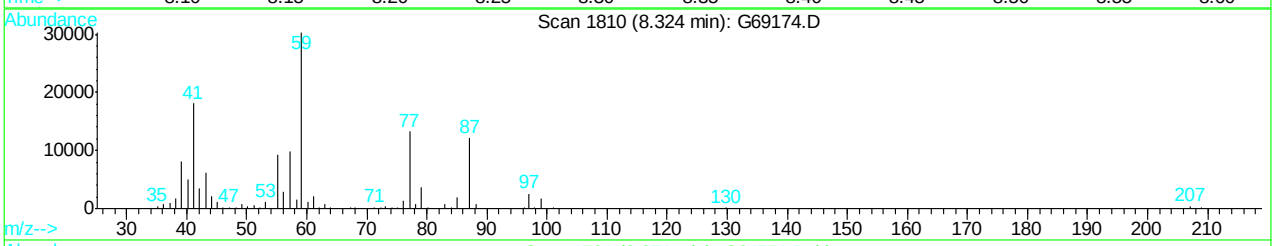
G69174.D G042507.M Thu Apr 26 08:04:01 2007 RP1

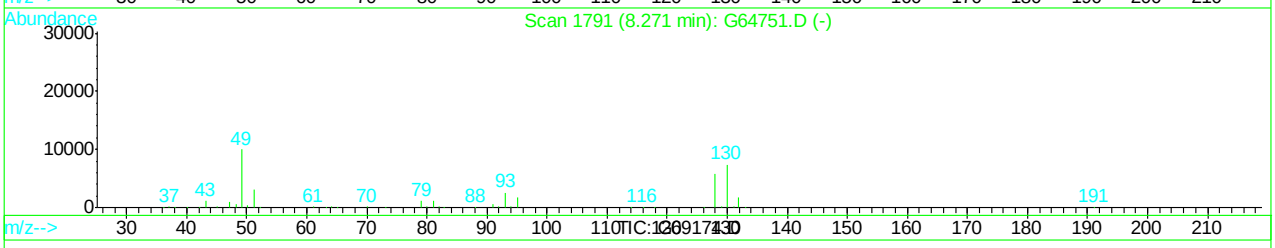
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69174.D  Vial: 8
Acq On : 25 Apr 2007 7:01 pm  Operator: KIMT
Sample : IC2782-25  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 8:03 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 08:00:58 2007
Response via : Multiple Level Calibration




(37) ethyl acetate (M)

8.32min 24.68ppb

response 60718

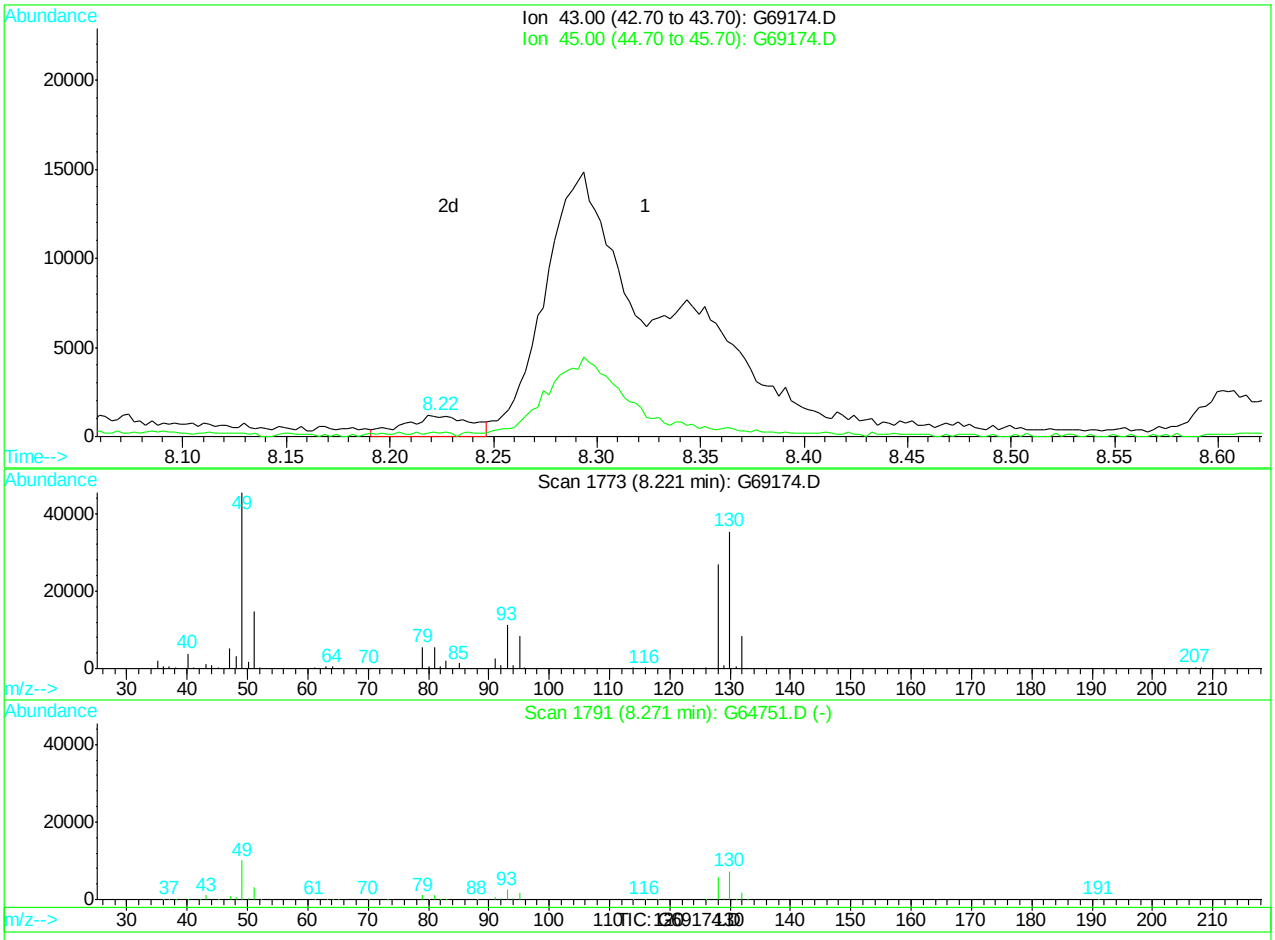
| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 45.00 | 15.30 | 18.21 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

G69174.D G042507.M Thu Apr 26 08:04:17 2007 RP1

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69174.D  Vial: 8
Acq On : 25 Apr 2007 7:01 pm  Operator: KIMT
Sample : IC2782-25  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 8:04 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 08:00:58 2007
Response via : Multiple Level Calibration




(37) ethyl acetate (M)

8.22min 1.10ppb m

response 2697

| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 45.00 | 15.30 | 21.03 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

G69174.D G042507.M Thu Apr 26 08:04:23 2007 RP1

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 04/27/07 13:56

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69175.D Vial: 9
Acq On : 25 Apr 2007 7:28 pm Operator: KIMT
Sample : IC2782-400 Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 7:58 2007 Quant Results File: G042507.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 07:42:36 2007
Response via : Initial Calibration
DataAcq Meth : G8260

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 6.39 | 65 | 141386 | 500.00 ppb | 0.00 |
| 3) pentafluorobenzene | 8.74 | 168 | 467664 | 50.00 ppb | 0.00 |
| 43) 1,4-difluorobenzene | 9.61 | 114 | 660260 | 50.00 ppb | 0.00 |
| 66) chlorobenzene-d5 | 12.86 | 82 | 341202 | 50.00 ppb | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 15.43 | 152 | 360089 | 50.00 ppb | 0.00 |

System Monitoring Compounds

| | | | | | |
|---|---|---|---|---|---|
| 40) dibromofluoromethane (s) | 8.39 | 113 | 203281 | 50.00 ppb | 0.00 |
| Spiked Amount 50.000 | Range 83 - 127 | | Recovery = 100.00% | | |
| 60) toluene-d8 (s) | 11.41 | 98 | 805808 | 50.00 ppb | 0.00 |
| Spiked Amount 50.000 | Range 89 - 112 | | Recovery = 100.00% | | |
| 82) bromofluorobenzene (s) | 14.09 | 95 | 307905 | 50.00 ppb | 0.00 |
| Spiked Amount 50.000 | Range 81 - 119 | | Recovery = 100.00% | | |

Target Compounds

| | | | | | Qvalue |
|---|---|---|---|---|---|
| 2) tertiary butyl alcohol | 6.45 | 59 | 1227265m | 4024.08 ppb | |
| 4) Ethanol | 5.46 | 45 | 931971m | 40239.89 ppb | |
| 5) dichlorodifluoromethane | 4.15 | 85 | 1855559 | 400.00 ppb | 100 |
| 6) chloromethane | 4.37 | 50 | 1807325 | 400.00 ppb | 100 |
| 7) vinyl chloride | 4.63 | 62 | 1764820 | 400.00 ppb | 100 |
| 8) bromomethane | 5.08 | 96 | 1431983 | 400.00 ppb | 100 |
| 9) chloroethane | 5.23 | 64 | 1332631 | 400.00 ppb | 100 |
| 10) ethyl ether | 6.06 | 59 | 1621405 | 400.00 ppb | 100 |
| 11) acetonitrile | 5.79 | 41 | 234331 | 383.88 ppb | 96 |
| 12) trichlorofluoromethane | 5.88 | 101 | 2233507 | 400.00 ppb | 100 |
| 13) freon-113 | 6.63 | 101 | 1586417 | 400.00 ppb | 100 |
| 14) acrolein | 5.83 | 56 | 1548686 | 2000.00 ppb | 100 |
| 15) 1,1-dichloroethene | 6.42 | 96 | 1691000 | 400.00 ppb | 100 |
| 16) acetone | 5.97 | 43 | 465876 | 392.79 ppb | 99 |
| 17) Methyl Acetate | 6.59 | 43 | 2725411 | 400.00 ppb | 100 |
| 18) methylene chloride | 6.57 | 84 | 1995298 | 400.00 ppb | 100 |
| 19) methyl tert butyl ether | 7.34 | 73 | 5357680 | 400.00 ppb | 100 |
| 20) acrylonitrile | 6.47 | 53 | 3791434 | 2000.00 ppb | 100 |
| 21) allyl chloride | 6.65 | 41 | 2822381 | 400.00 ppb | 100 |
| 22) trans-1,2-dichloroethene | 7.24 | 96 | 1850005 | 400.00 ppb | 100 |
| 23) iodomethane | 6.48 | 142 | 3248595 | 400.00 ppb | 100 |
| 24) carbon disulfide | 6.85 | 76 | 5091757 | 400.00 ppb | 100 |
| 25) propionitrile | 6.47 | 54 | 143680 | 400.00 ppb | 100 |
| 26) vinyl acetate | 7.59 | 43 | 3948928 | 400.00 ppb | 100 |
| 27) chloroprene | 7.86 | 53 | 2378629 | 400.00 ppb | 100 |
| 28) di-isopropyl ether | 7.90 | 45 | 6420114 | 400.00 ppb | 100 |
| 29) methacrylonitrile | 8.01 | 41 | 1314903 | 400.00 ppb | 100 |
| 30) 2-butanone | 7.91 | 72 | 252670 | 400.00 ppb | 100 |
| 31) Hexane | 7.88 | 41 | 2617278 | 400.00 ppb | 100 |
| 32) 1,1-dichloroethane | 7.49 | 63 | 3224579 | 400.00 ppb | 100 |
| 33) tert-butyl ethyl ether | 8.30 | 59 | 5976596 | 400.00 ppb | 100 |
| 34) isobutyl alcohol | 8.32 | 43 | 1023489 | 2000.00 ppb | 100 |
| 35) 2,2-dichloropropane | 8.36 | 77 | 2194433 | 400.00 ppb | 100 |
| 36) cis-1,2-dichloroethene | 8.06 | 96 | 2086075 | 400.00 ppb | 100 |
| 37) ethyl acetate | 8.21 | 43 | 38260m | 14.95 ppb | |

(#) = qualifier out of range (m) = manual integration
G69175.D G042507.M Thu Apr 26 07:58:21 2007 RP1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69175.D Vial: 9
Acq On : 25 Apr 2007 7:28 pm Operator: KIMT
Sample : IC2782-400 Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 7:58 2007 Quant Results File: G042507.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 07:42:36 2007
Response via : Initial Calibration
DataAcq Meth : G8260

| | Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|---|---|---|---|---|---|---|---|
| 38) | bromochloromethane | 8.23 | 128 | 1057955 | 400.00 | ppb | 100 |
| 39) | chloroform | 8.27 | 83 | 3177593 | 400.00 | ppb | 100 |
| 41) | Tetrahydrofuran | 8.60 | 42 | 621871 | 400.00 | ppb | 100 |
| 42) | 1,1,1-trichloroethane | 9.02 | 97 | 2654207 | 400.00 | ppb | 100 |
| 44) | Cyclohexane | 9.31 | 56 | 3102255 | 400.00 | ppb | 100 |
| 45) | carbon tetrachloride | 9.38 | 117 | 2464613 | 400.00 | ppb | 100 |
| 46) | 1,1-dichloropropene | 9.19 | 75 | 2421400 | 400.00 | ppb | 100 |
| 47) | benzene | 9.41 | 78 | 7415249 | 400.00 | ppb | 100 |
| 48) | 1,2-dichloroethane | 8.91 | 62 | 2302173 | 400.00 | ppb | 100 |
| 49) | tert-amyl methyl ether | 9.54 | 73 | 5777731 | 400.00 | ppb | 100 |
| 50) | heptane | 9.89 | 43 | 2472559 | 400.00 | ppb | 100 |
| 51) | trichloroethene | 10.03 | 95 | 1918813 | 400.00 | ppb | 100 |
| 52) | 1,2-dichloropropane | 10.00 | 63 | 1833853 | 400.00 | ppb | 100 |
| 53) | dibromomethane | 9.97 | 93 | 1180919 | 400.00 | ppb | 100 |
| 54) | bromodichloromethane | 10.08 | 83 | 2590398 | 400.00 | ppb | 100 |
| 55) | Methylcyclohexane | 10.55 | 83 | 3257434 | 400.00 | ppb | 100 |
| 56) | 2-chloroethyl vinyl ether | 10.45 | 63 | 1184693 | 400.00 | ppb | 100 |
| 57) | methyl methacrylate | 10.18 | 69 | 1380984 | 400.00 | ppb | 100 |
| 58) | 1,4-dioxane | 10.24 | 88 | 56524 | 2000.00 | ppb | 100 |
| 59) | cis-1,3-dichloropropene | 10.70 | 75 | 3019595 | 400.00 | ppb | 100 |
| 61) | 4-methyl-2-pentanone | 10.79 | 43 | 1969905 | 400.00 | ppb | 100 |
| 62) | toluene | 11.48 | 92 | 4805623 | 400.00 | ppb | 100 |
| 63) | trans-1,3-dichloropropene | 11.12 | 75 | 2598224 | 400.00 | ppb | 100 |
| 64) | 1,1,2-trichloroethane | 11.29 | 83 | 1445379 | 400.00 | ppb | 100 |
| 65) | ethyl methacrylate | 11.50 | 69 | 2549765 | 400.00 | ppb | 100 |
| 67) | tetrachloroethene | 12.22 | 166 | 2454971 | 400.00 | ppb | 100 |
| 68) | 1,3-dichloropropane | 11.53 | 76 | 2929824 | 400.00 | ppb | 100 |
| 69) | dibromochloromethane | 11.82 | 129 | 2167375 | 400.00 | ppb | 100 |
| 70) | 1,2-dibromoethane | 12.07 | 107 | 1852436 | 400.00 | ppb | 100 |
| 71) | 2-hexanone | 11.65 | 43 | 1401176 | 400.00 | ppb | 100 |
| 72) | chlorobenzene | 12.90 | 112 | 5715401 | 400.00 | ppb | 100 |
| 73) | 1,1,1,2-tetrachloroethane | 12.82 | 131 | 2157064 | 400.00 | ppb | 100 |
| 74) | ethylbenzene | 13.07 | 91 | 9182733 | 400.00 | ppb | 100 |
| 75) | m,p-xylene | 13.26 | 106 | 7216560 | 800.00 | ppb | 100 |
| 76) | o-xylene | 13.67 | 106 | 3680528 | 400.00 | ppb | 100 |
| 77) | styrene | 13.60 | 104 | 6293722 | 400.00 | ppb | 100 |
| 78) | bromoform | 13.42 | 173 | 1784640 | 400.00 | ppb | 100 |
| 79) | trans-1,4-dichloro-2-buten | 13.82 | 53 | 618979 | 400.00 | ppb | 100 |
| 81) | isopropylbenzene | 14.04 | 105 | 8416968 | 400.00 | ppb | 100 |
| 83) | bromobenzene | 14.32 | 156 | 2903930 | 400.00 | ppb | 100 |
| 84) | 1,1,2,2-tetrachloroethane | 13.68 | 83 | 2306942 | 400.00 | ppb | 100 |
| 85) | 1,2,3-trichloropropane | 13.82 | 75 | 2716425 | 400.00 | ppb | 100 |
| 86) | n-propylbenzene | 14.48 | 91 | 10809754 | 400.00 | ppb | 100 |
| 87) | 2-chlorotoluene | 14.60 | 91 | 6591207 | 400.00 | ppb | 100 |
| 88) | 4-chlorotoluene | 14.67 | 91 | 6698802 | 400.00 | ppb | 100 |
| 89) | 1,3,5-trimethylbenzene | 14.76 | 105 | 7565796 | 400.00 | ppb | 100 |
| 90) | tert-butylbenzene | 15.17 | 91 | 762234 | 400.00 | ppb | 100 |
| 91) | 1,2,4-trimethylbenzene | 15.17 | 105 | 7750509 | 400.00 | ppb | 100 |
| 92) | sec-butylbenzene | 15.29 | 105 | 9229755 | 400.00 | ppb | 100 |

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69175.D Vial: 9
Acq On : 25 Apr 2007 7:28 pm Operator: KIMT
Sample : IC2782-400 Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 7:58 2007 Quant Results File: G042507.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 07:42:36 2007
Response via : Initial Calibration
DataAcq Meth : G8260

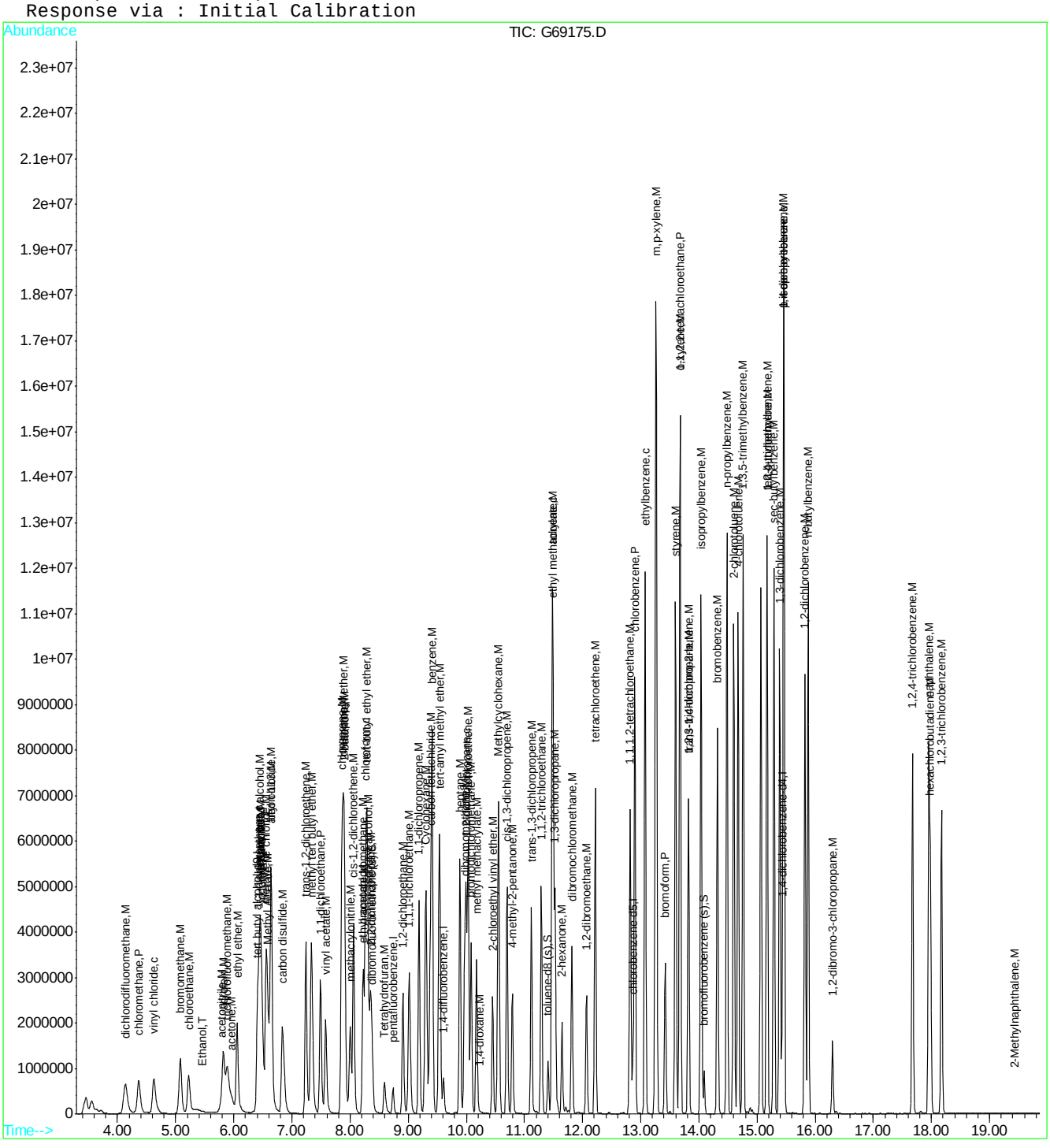
| | Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|---|---|---|---|---|---|---|---|
| 93) | 1,3-dichlorobenzene | 15.39 | 146 | 5001929 | 400.00 | ppb | 100 |
| 94) | p-isopropyltoluene | 15.46 | 119 | 7557230 | 400.00 | ppb | 100 |
| 95) | 1,4-dichlorobenzene | 15.46 | 146 | 4744058 | 400.00 | ppb | 100 |
| 96) | 1,2-dichlorobenzene | 15.82 | 146 | 4613690 | 400.00 | ppb | 100 |
| 97) | n-butylbenzene | 15.88 | 91 | 6665757 | 400.00 | ppb | 100 |
| 98) | 1,2-dibromo-3-chloropropan | 16.30 | 75 | 385113 | 400.00 | ppb | 100 |
| 99) | 1,2,4-trichlorobenzene | 17.68 | 180 | 3012941 | 400.00 | ppb | 100 |
| 100) | hexachlorobutadiene | 17.98 | 225 | 1366550 | 400.00 | ppb | 100 |
| 101) | naphthalene | 17.96 | 128 | 7103284 | 400.00 | ppb | 100 |
| 102) | 1,2,3-trichlorobenzene | 18.17 | 180 | 2603357 | 400.00 | ppb | 100 |
| 103) | 2-Methylnaphthalene | 19.43 | 142 | 5247 | 400.00 | ppb | 100 |

(#) = qualifier out of range (m) = manual integration
G69175.D G042507.M Thu Apr 26 07:58:21 2007 RP1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\G69175.D  Vial: 9
Acq On : 25 Apr 2007 7:28 pm  Operator: KIMT
Sample : IC2782-400  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 7:58 2007  Quant Results File: G042507.RES

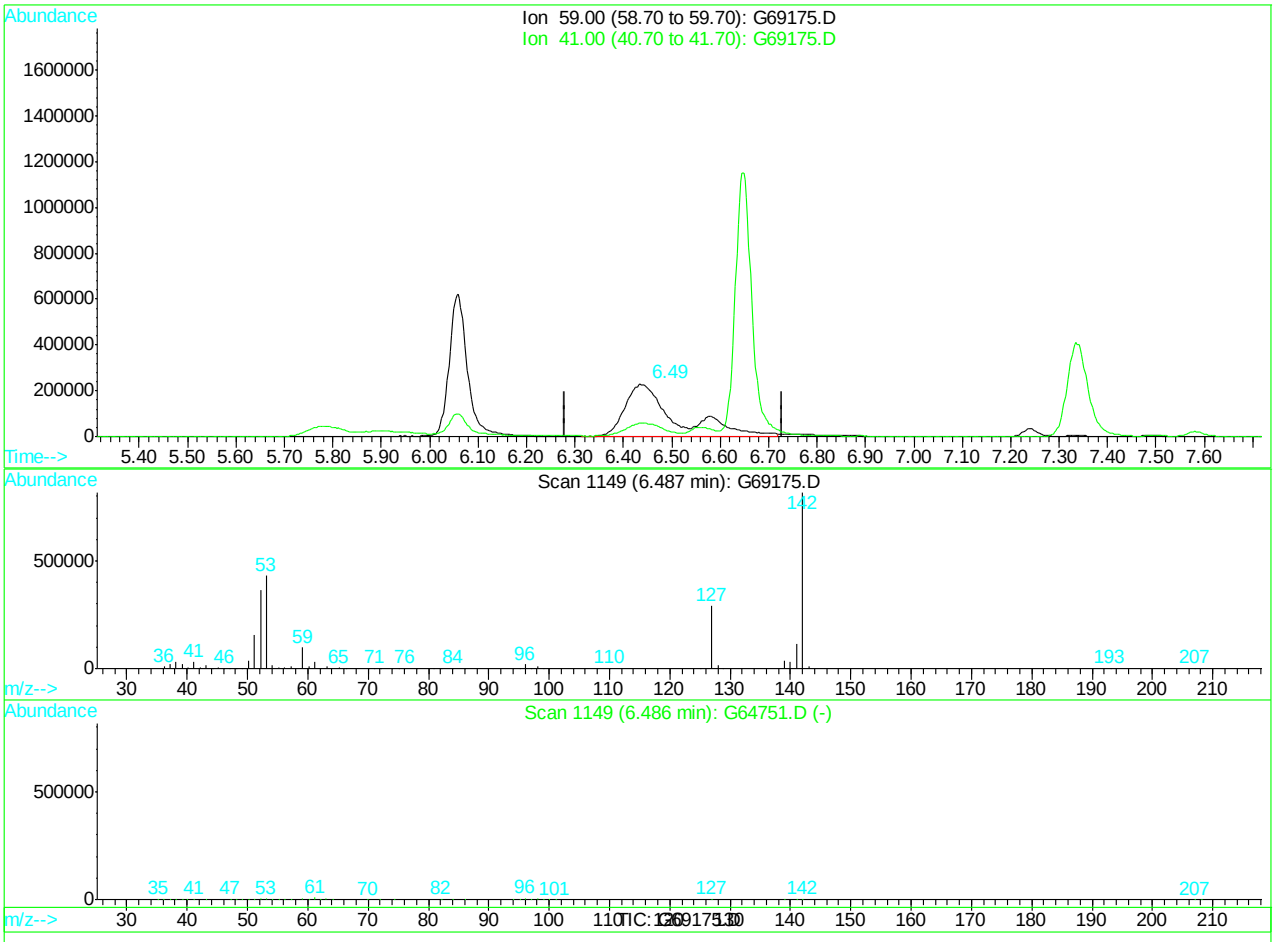
Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 07:57:21 2007
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69175.D  Vial: 9
Acq On : 25 Apr 2007 7:28 pm  Operator: KIMT
Sample : IC2782-400  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 7:40 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 07:39:53 2007
Response via : Multiple Level Calibration




(2) tertiary butyl alcohol (M)

6.49min 0.00ppb

response 1630978

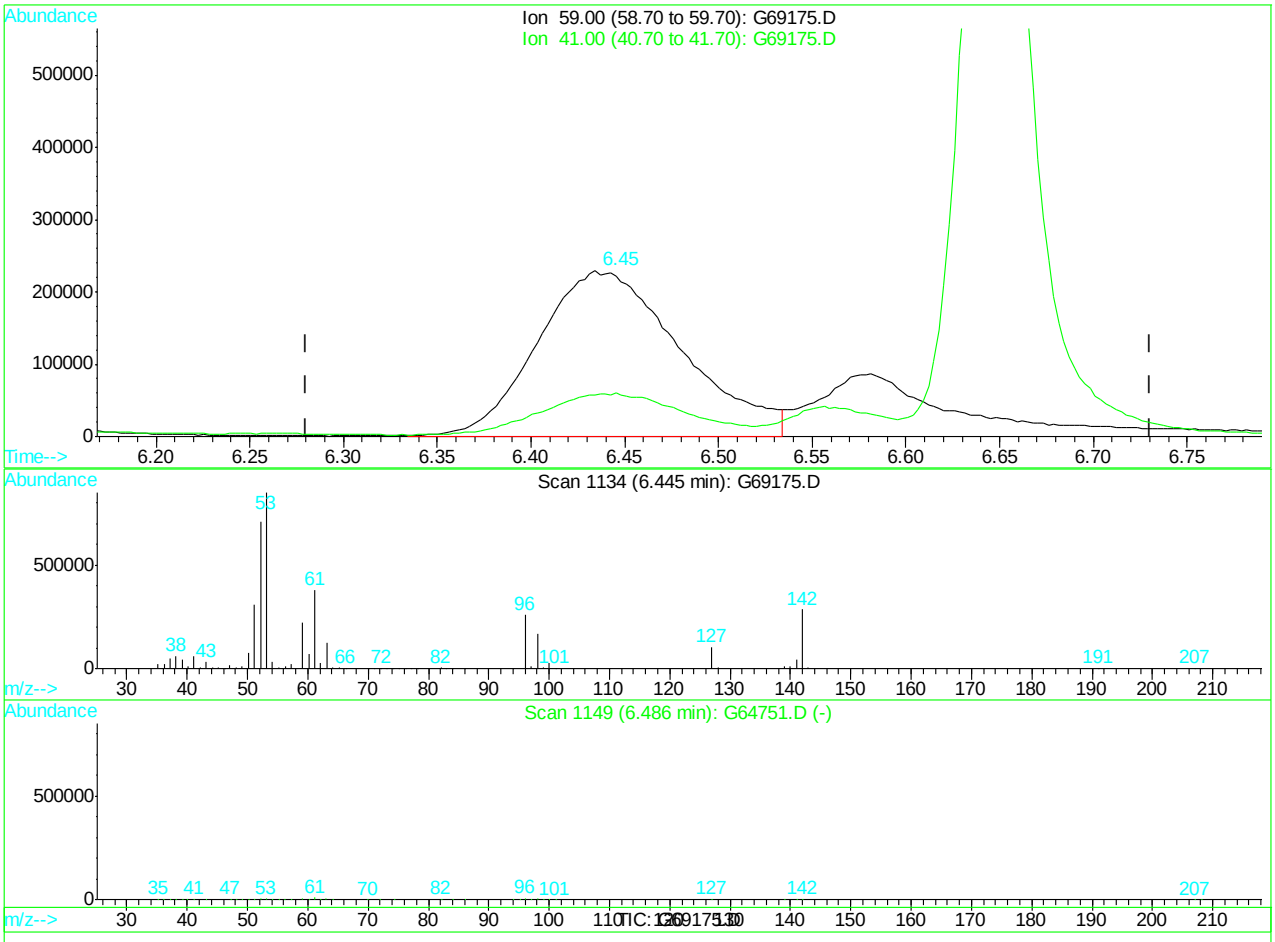
| Ion | Exp% | Act% |
|---|---|---|
| 59.00 | 100 | 100 |
| 41.00 | 27.60 | 27.52 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

G69175.D G042507.M Thu Apr 26 07:40:29 2007 RP1

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69175.D Vial: 9
Acq On : 25 Apr 2007 7:28 pm Operator: KIMT
Sample : IC2782-400 Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 7:40 2007 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 07:39:53 2007
Response via : Multiple Level Calibration




(2) tertiary butyl alcohol (M)

6.45min 0.00ppb m

response 1219922

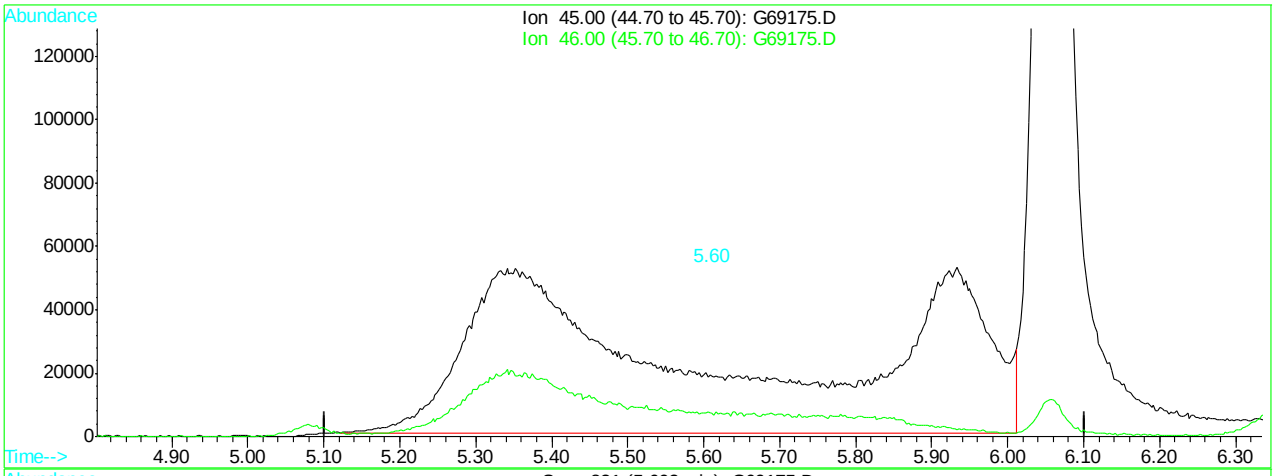
| Ion | Exp% | Act% |
|---|---|---|
| 59.00 | 100 | 100 |
| 41.00 | 27.60 | 27.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

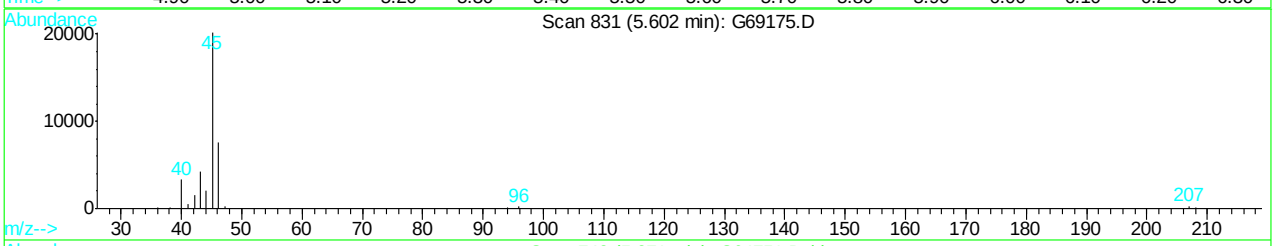
G69175.D G042507.M Thu Apr 26 07:40:39 2007 RP1

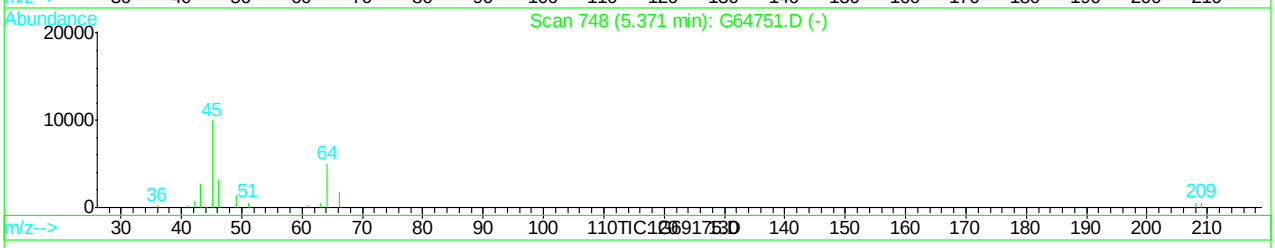
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69175.D  Vial: 9
Acq On : 25 Apr 2007 7:28 pm  Operator: KIMT
Sample : IC2782-400  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 7:40 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 07:39:53 2007
Response via : Multiple Level Calibration




(4) Ethanol (T)

5.60min 0.00ppb

response 1276991

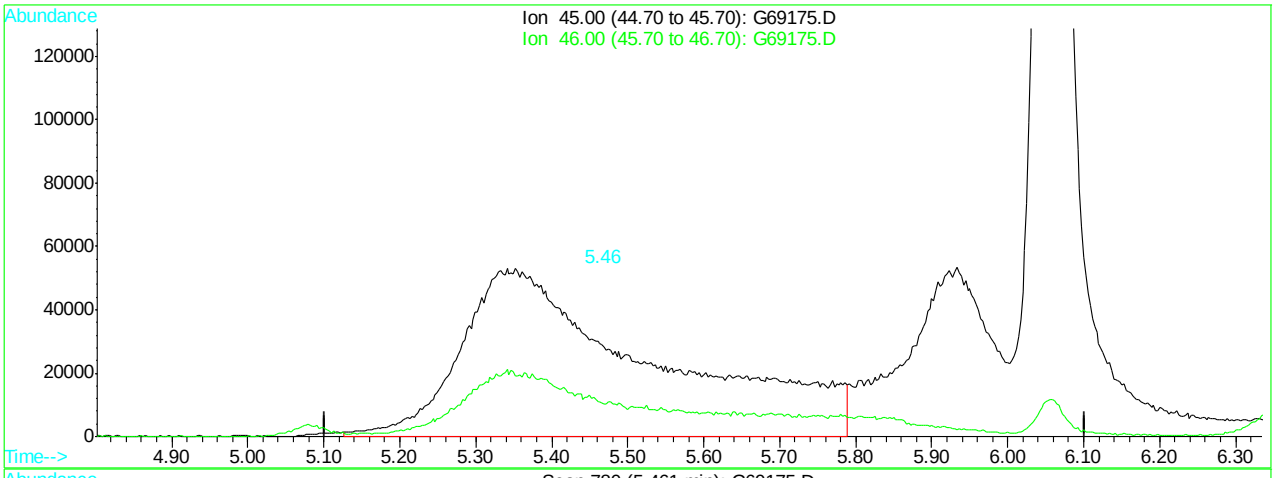
| Ion | Exp% | Act% |
|---|---|---|
| 45.00 | 100 | 100 |
| 46.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

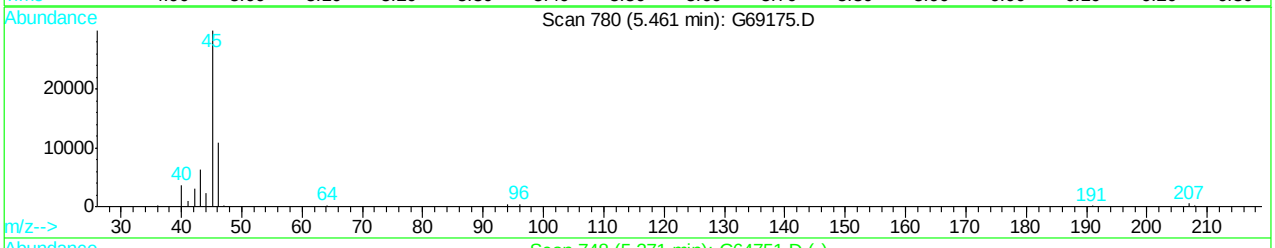
G69175.D G042507.M Thu Apr 26 07:40:46 2007 RP1

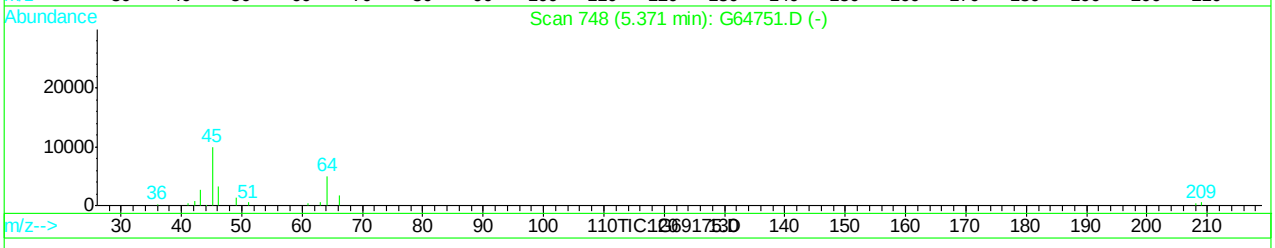
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69175.D Vial: 9
Acq On : 25 Apr 2007 7:28 pm Operator: KIMT
Sample : IC2782-400 Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 7:40 2007 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 07:39:53 2007
Response via : Multiple Level Calibration




(4) Ethanol (T)

5.46min 0.00ppb m

response 926415

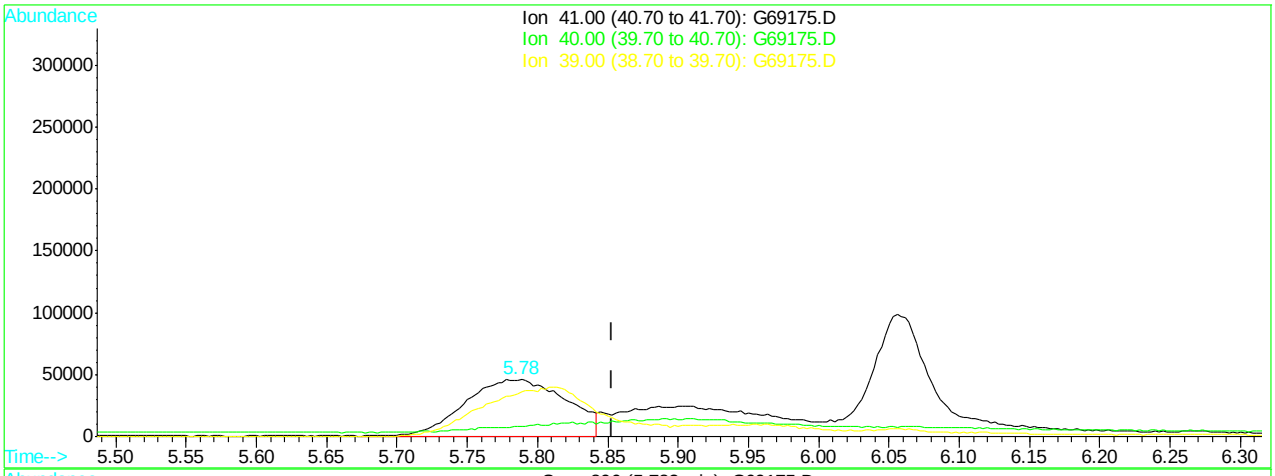
| Ion | Exp% | Act% |
|---|---|---|
| 45.00 | 100 | 100 |
| 46.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

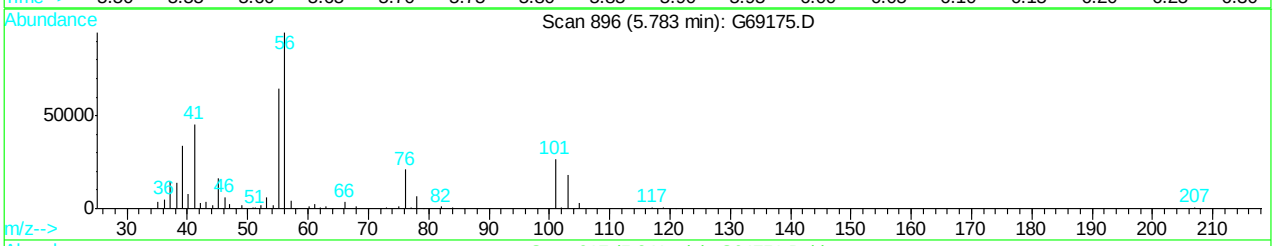
G69175.D G042507.M Thu Apr 26 07:40:53 2007 RP1

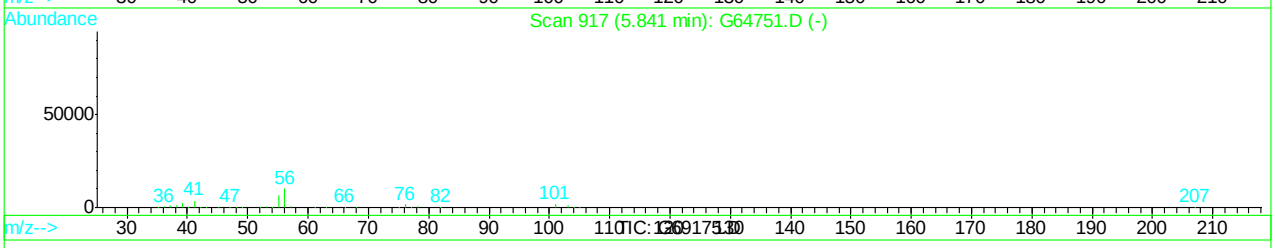
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69175.D  Vial: 9
Acq On : 25 Apr 2007 7:28 pm  Operator: KIMT
Sample : IC2782-400  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 7:40 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 07:39:53 2007
Response via : Multiple Level Calibration




(11) acetonitrile (M)

5.78min 0.00ppb

response 227870

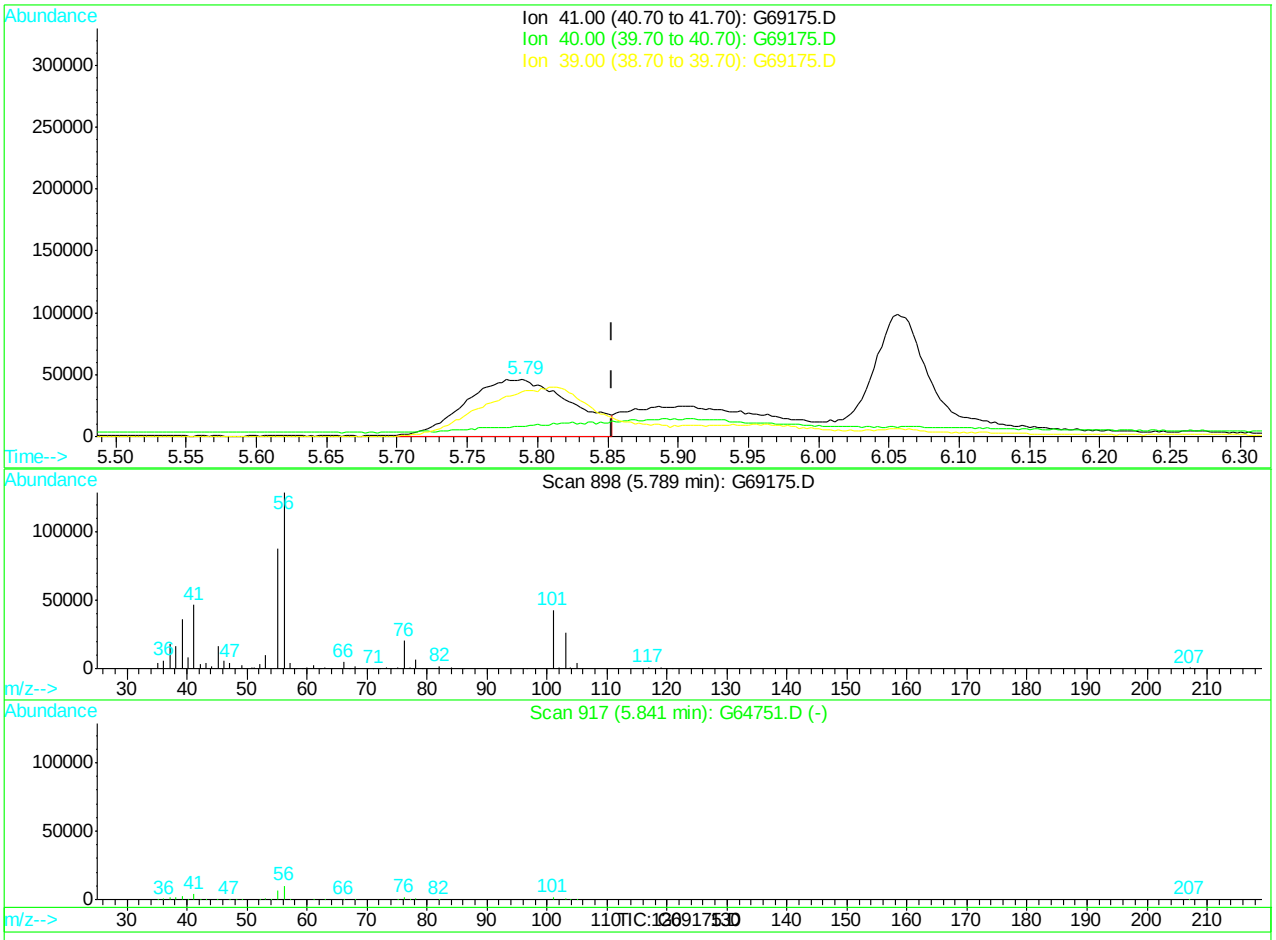
| Ion | Exp% | Act% |
|---|---|---|
| 41.00 | 100 | 100 |
| 40.00 | 9.70 | 9.67 |
| 39.00 | 74.30 | 74.35 |
| 0.00 | 0.00 | 0.00 |

G69175.D G042507.M Thu Apr 26 07:41:10 2007 RP1

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69175.D  Vial: 9
Acq On : 25 Apr 2007 7:28 pm  Operator: KIMT
Sample : IC2782-400  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 7:41 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 07:39:53 2007
Response via : Multiple Level Calibration




(11) acetonitrile (M)

5.79min 0.00ppb m

response 244174

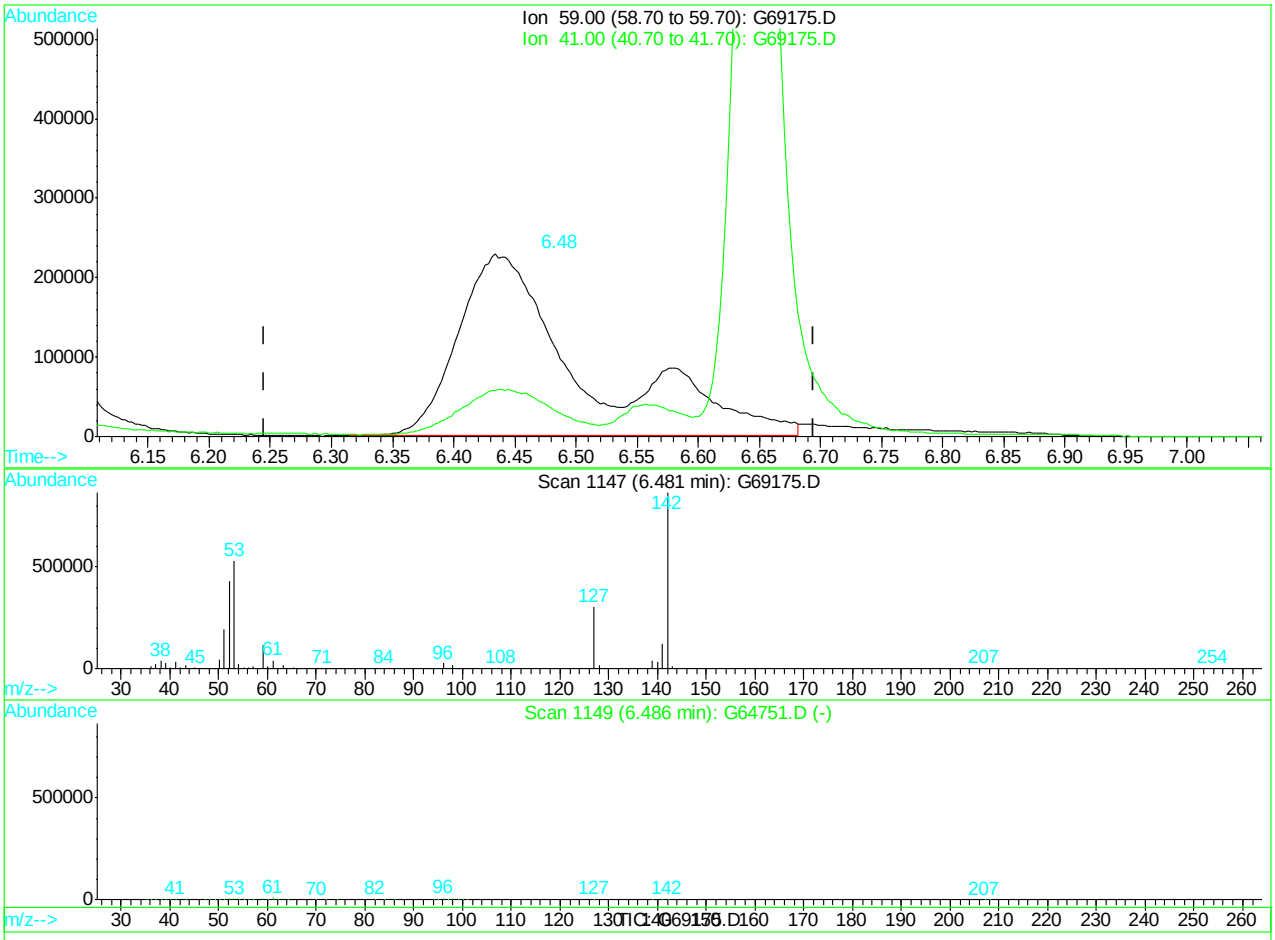
| Ion | Exp% | Act% |
|---|---|---|
| 41.00 | 100 | 100 |
| 40.00 | 9.70 | 17.20 |
| 39.00 | 74.30 | 77.40 |
| 0.00 | 0.00 | 0.00 |

G69175.D G042507.M Thu Apr 26 07:41:16 2007 RP1

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69175.D  Vial: 9
Acq On : 25 Apr 2007 7:28 pm  Operator: KIMT
Sample : IC2782-400  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 7:43 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 07:42:36 2007
Response via : Multiple Level Calibration




(2) tertiary butyl alcohol (M)

6.48min 5253.44ppb

response 1602196

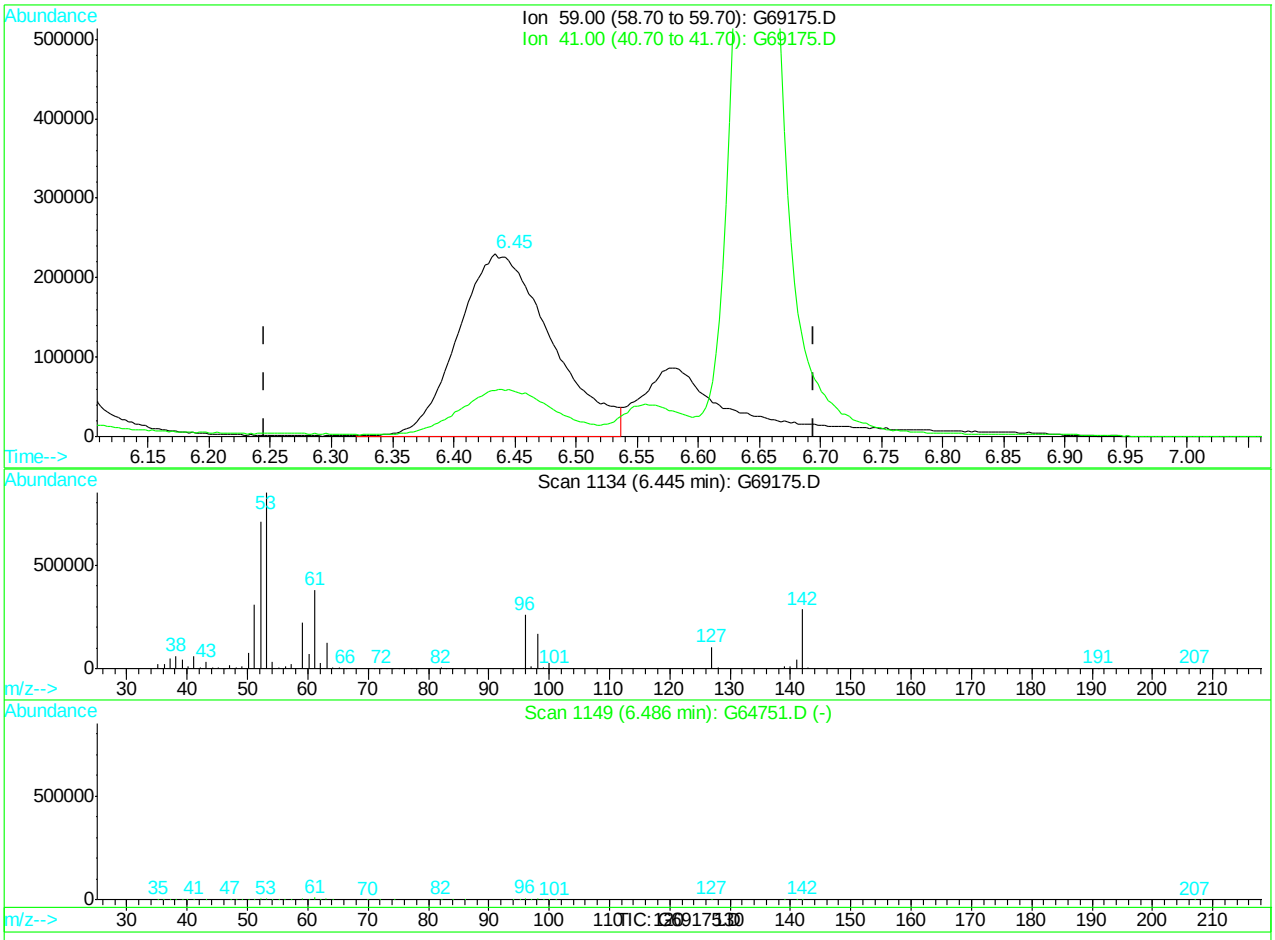
| Ion | Exp% | Act% |
|---|---|---|
| 59.00 | 100 | 100 |
| 41.00 | 27.00 | 27.55 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

G69175.D G042507.M Thu Apr 26 07:44:17 2007 RP1

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69175.D  Vial: 9
Acq On : 25 Apr 2007 7:28 pm  Operator: KIMT
Sample : IC2782-400  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 7:44 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 07:42:36 2007
Response via : Multiple Level Calibration




(2) tertiary butyl alcohol (M)

6.45min 4024.08ppb m

response 1227265

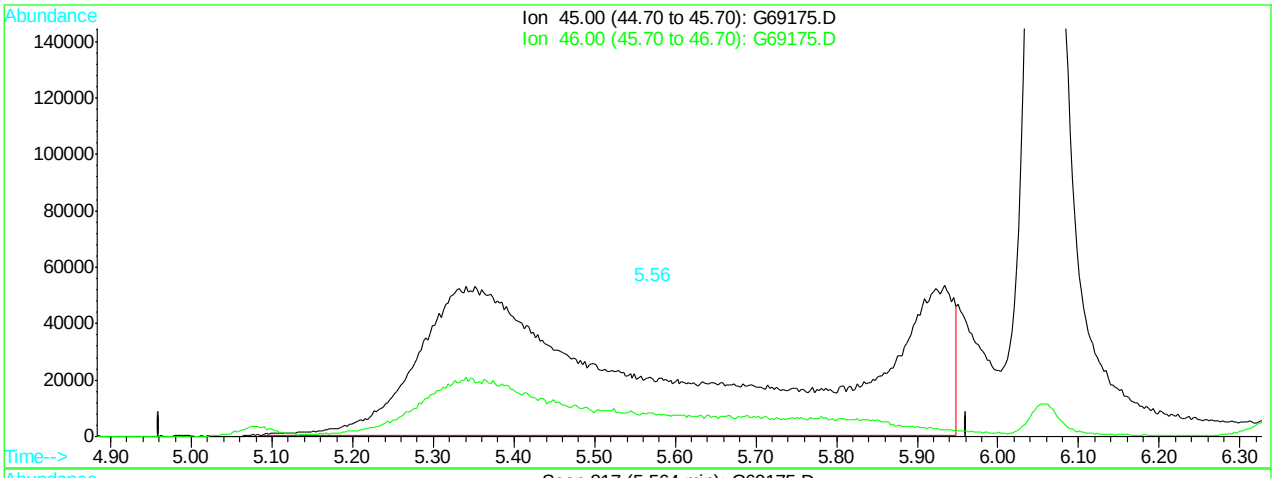
| Ion | Exp% | Act% |
|---|---|---|
| 59.00 | 100 | 100 |
| 41.00 | 27.00 | 27.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

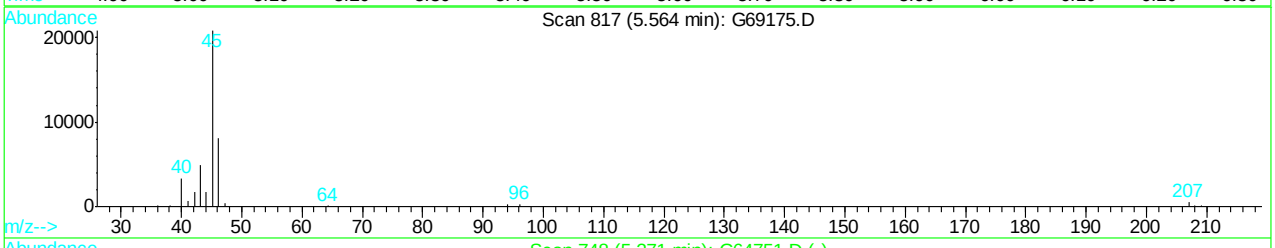
G69175.D G042507.M Thu Apr 26 07:44:23 2007 RP1

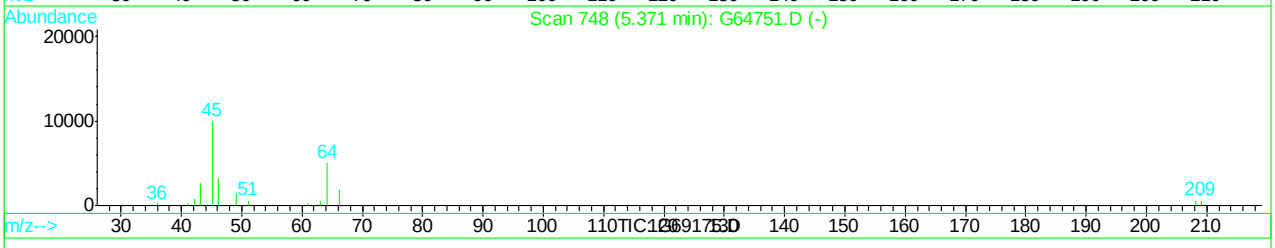
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69175.D  Vial: 9
Acq On : 25 Apr 2007 7:28 pm  Operator: KIMT
Sample : IC2782-400  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 7:44 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 07:42:36 2007
Response via : Multiple Level Calibration




(4) Ethanol (T)

5.56min 51557.07ppb

response 1194081

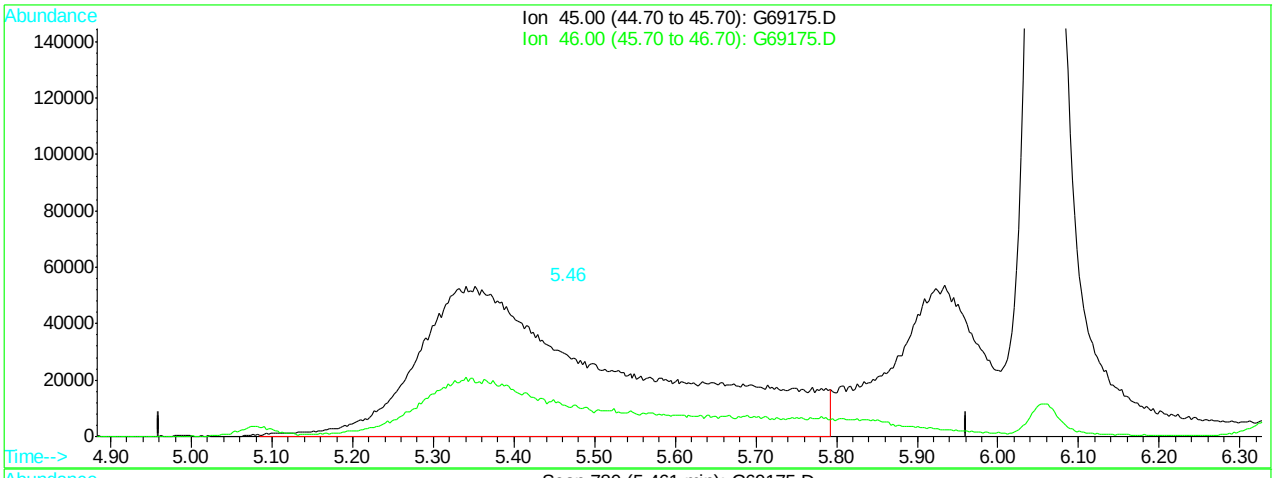
| Ion | Exp% | Act% |
|---|---|---|
| 45.00 | 100 | 100 |
| 46.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

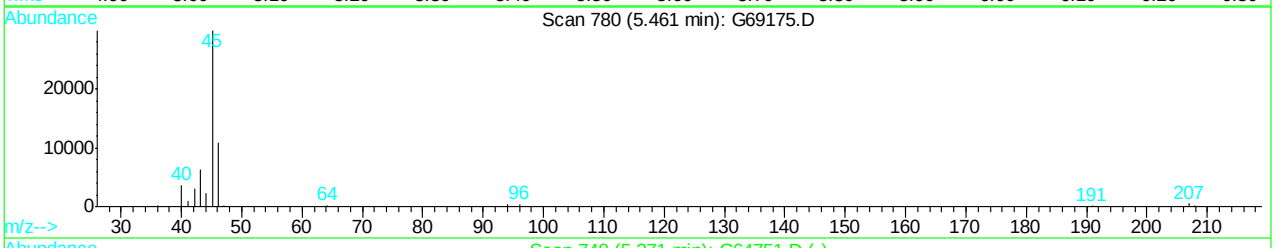
G69175.D G042507.M Thu Apr 26 07:44:31 2007 RP1

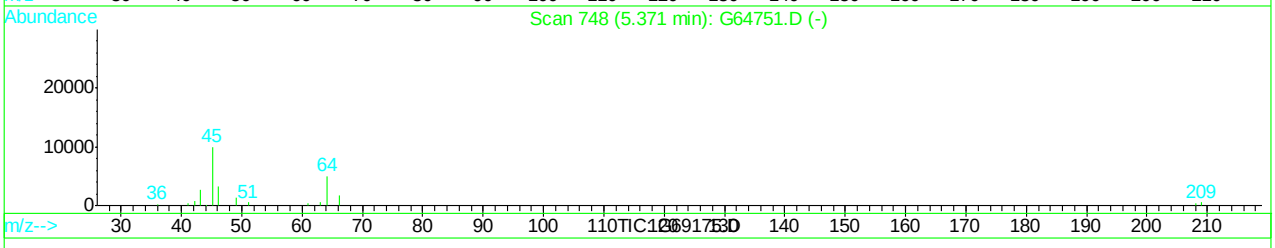
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69175.D  Vial: 9
Acq On : 25 Apr 2007 7:28 pm  Operator: KIMT
Sample : IC2782-400  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 7:44 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 07:42:36 2007
Response via : Multiple Level Calibration




(4) Ethanol (T)

5.46min 40239.89ppb m

response 931971

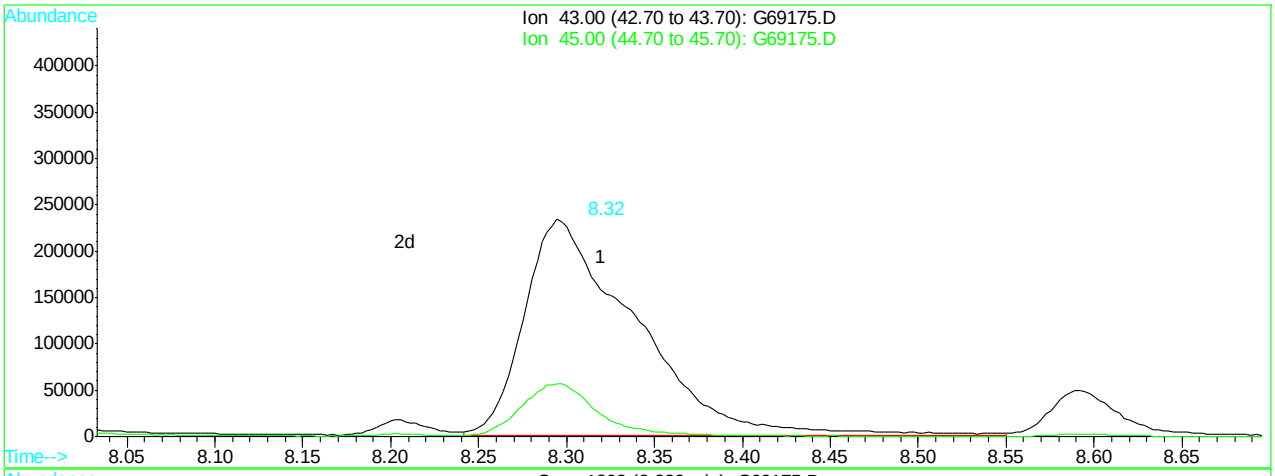
| Ion | Exp% | Act% |
|---|---|---|
| 45.00 | 100 | 100 |
| 46.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

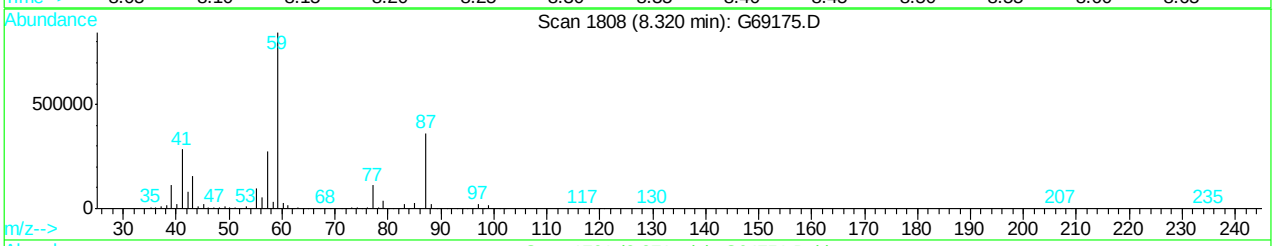
G69175.D G042507.M Thu Apr 26 07:44:43 2007 RP1

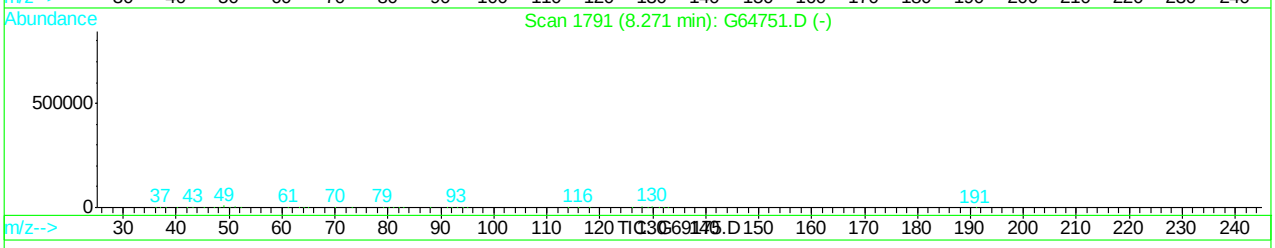
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69175.D  Vial: 9
Acq On : 25 Apr 2007 7:28 pm  Operator: KIMT
Sample : IC2782-400  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 7:44 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 07:57:21 2007
Response via : Multiple Level Calibration




(37) ethyl acetate (M)

8.32min 400.00ppb

response 1023452

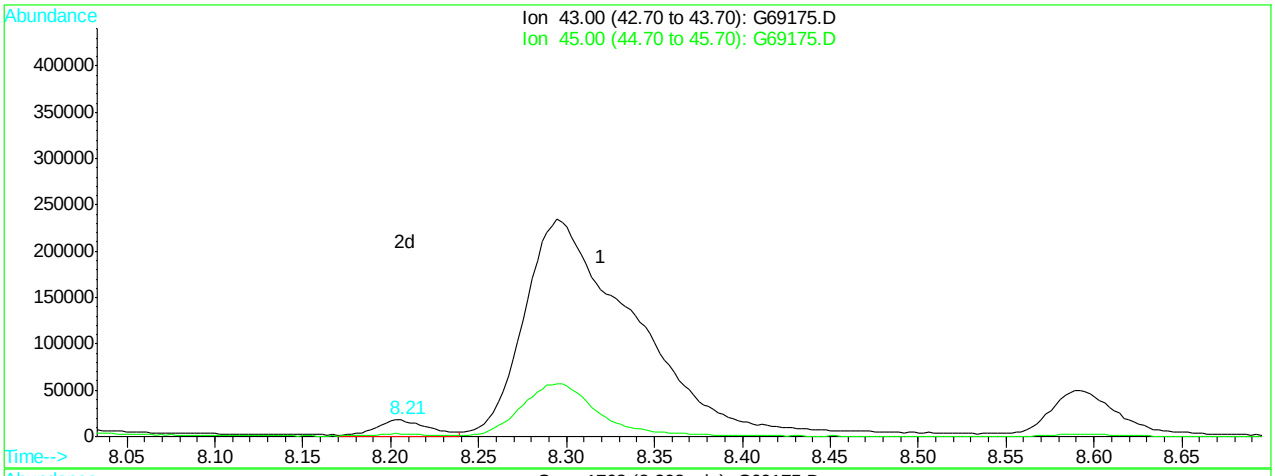
| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 45.00 | 15.30 | 15.28 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

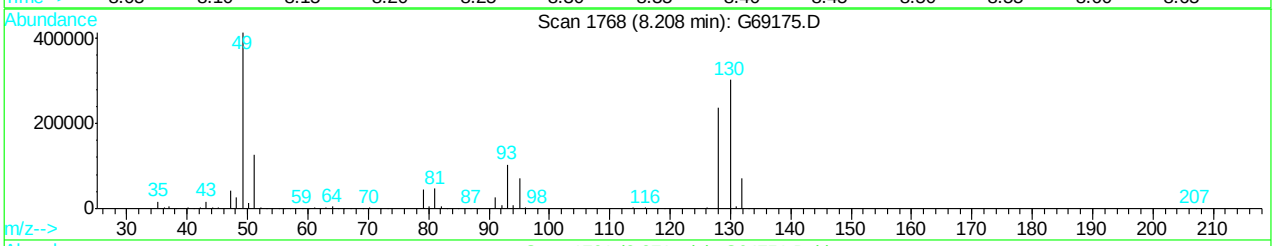
G69175.D G042507.M Thu Apr 26 07:58:06 2007 RP1

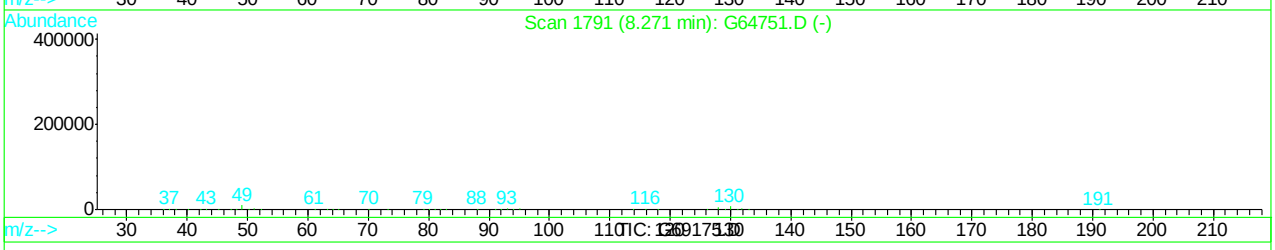
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69175.D  Vial: 9
Acq On : 25 Apr 2007 7:28 pm  Operator: KIMT
Sample : IC2782-400  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 7:58 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 07:57:21 2007
Response via : Multiple Level Calibration




(37) ethyl acetate (M)

8.21min 14.95ppb m

response 38260

| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 45.00 | 15.30 | 16.68 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

G69175.D G042507.M Thu Apr 26 07:58:12 2007 RP1

G69176.D

Manual Integrations APPROVED (compounds with "m" flag)

Doug Yargeau 04/27/07 13:57

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69176.D Vial: 10
Acq On : 25 Apr 2007 7:55 pm Operator: KIMT
Sample : IC2782-200 Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 7:59 2007 Quant Results File: G042507.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 07:42:36 2007
Response via : Initial Calibration
DataAcq Meth : G8260

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 6.39 | 65 | 146213 | 500.00 ppb | 0.00 |
| 3) pentafluorobenzene | 8.74 | 168 | 487554 | 50.00 ppb | 0.00 |
| 43) 1,4-difluorobenzene | 9.61 | 114 | 678993 | 50.00 ppb | 0.00 |
| 66) chlorobenzene-d5 | 12.86 | 82 | 354345 | 50.00 ppb | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 15.43 | 152 | 395720 | 50.00 ppb | 0.00 |

System Monitoring Compounds

| | | | | | |
|---|---|---|---|---|---|
| 40) dibromofluoromethane (s) | 8.38 | 113 | 209688 | 49.47 ppb | 0.00 |
| Spiked Amount 50.000 | Range 83 - 127 | | Recovery = 98.94% | | |
| 60) toluene-d8 (s) | 11.40 | 98 | 824977 | 49.78 ppb | 0.00 |
| Spiked Amount 50.000 | Range 89 - 112 | | Recovery = 99.56% | | |
| 82) bromofluorobenzene (s) | 14.09 | 95 | 325565 | 48.11 ppb | 0.00 |
| Spiked Amount 50.000 | Range 81 - 119 | | Recovery = 96.22% | | |

Target Compounds

| | | | | | Qvalue |
|---|---|---|---|---|---|
| 2) tertiary butyl alcohol | 6.44 | 59 | 645764m | 2047.49 ppb | |
| 4) Ethanol | 5.46 | 45 | 476859m | 19749.48 ppb | |
| 5) dichlorodifluoromethane | 4.15 | 85 | 942368 | 194.86 ppb | 98 |
| 6) chloromethane | 4.36 | 50 | 1052546 | 223.45 ppb | 100 |
| 7) vinyl chloride | 4.63 | 62 | 961360 | 209.01 ppb | 99 |
| 8) bromomethane | 5.08 | 96 | 753729 | 201.95 ppb | 99 |
| 9) chloroethane | 5.23 | 64 | 698226 | 201.03 ppb | 99 |
| 10) ethyl ether | 6.06 | 59 | 866957 | 205.15 ppb | 98 |
| 11) acetonitrile | 5.79 | 41 | 110613m | 173.81 ppb | |
| 12) trichlorofluoromethane | 5.88 | 101 | 1144391 | 196.59 ppb | 99 |
| 13) freon-113 | 6.63 | 101 | 804966 | 194.68 ppb | 99 |
| 14) acrolein | 5.84 | 56 | 786249 | 973.95 ppb | 100 |
| 15) 1,1-dichloroethene | 6.42 | 96 | 872513 | 197.97 ppb | 99 |
| 16) acetone | 5.97 | 43 | 269111m | 217.64 ppb | |
| 17) Methyl Acetate | 6.59 | 43 | 1453411 | 204.61 ppb | 98 |
| 18) methylene chloride | 6.56 | 84 | 1053838 | 202.65 ppb | 97 |
| 19) methyl tert butyl ether | 7.34 | 73 | 2817323 | 201.76 ppb | 100 |
| 20) acrylonitrile | 6.48 | 53 | 2033214 | 1028.78 ppb | 99 |
| 21) allyl chloride | 6.65 | 41 | 1546663 | 210.26 ppb | 97 |
| 22) trans-1,2-dichloroethene | 7.24 | 96 | 970274 | 201.23 ppb | 99 |
| 23) iodomethane | 6.48 | 142 | 1659297 | 195.97 ppb | 99 |
| 24) carbon disulfide | 6.85 | 76 | 2711640 | 204.33 ppb | 99 |
| 25) propionitrile | 6.47 | 54 | 72409 | 193.36 ppb | 100 |
| 26) vinyl acetate | 7.59 | 43 | 1999178 | 194.24 ppb | 100 |
| 27) chloroprene | 7.85 | 53 | 1247733 | 201.26 ppb | 98 |
| 28) di-isopropyl ether | 7.90 | 45 | 3532967 | 211.14 ppb | 98 |
| 29) methacrylonitrile | 8.01 | 41 | 687511 | 200.61 ppb | 99 |
| 30) 2-butanone | 7.91 | 72 | 130553 | 198.25 ppb | 98 |
| 31) Hexane | 7.88 | 41 | 1403497 | 205.75 ppb | 97 |
| 32) 1,1-dichloroethane | 7.49 | 63 | 1707763 | 203.20 ppb | 99 |
| 33) tert-butyl ethyl ether | 8.30 | 59 | 3201970 | 205.56 ppb | 98 |
| 34) isobutyl alcohol | 8.32 | 43 | 544727 | 1021.03 ppb | 99 |
| 35) 2,2-dichloropropane | 8.36 | 77 | 1143456 | 199.93 ppb | 100 |
| 36) cis-1,2-dichloroethene | 8.06 | 96 | 1087489 | 200.02 ppb | 99 |
| 37) ethyl acetate | 8.21 | 43 | 20645m | 7.74 ppb | |

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

G69176.D G042507.M Thu Apr 26 07:59:29 2007 RP1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69176.D Vial: 10
Acq On : 25 Apr 2007 7:55 pm Operator: KIMT
Sample : IC2782-200 Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 7:59 2007 Quant Results File: G042507.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 07:42:36 2007
Response via : Initial Calibration
DataAcq Meth : G8260

| | Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|---|---|---|---|---|---|---|---|
| 38) | bromochloromethane | 8.23 | 128 | 548223 | 198.82 | ppb | 97 |
| 39) | chloroform | 8.26 | 83 | 1664526 | 200.98 | ppb | 99 |
| 41) | Tetrahydrofuran | 8.61 | 42 | 321244 | 198.20 | ppb | 97 |
| 42) | 1,1,1-trichloroethane | 9.02 | 97 | 1373893 | 198.60 | ppb | 100 |
| 44) | Cyclohexane | 9.31 | 56 | 1634438 | 204.93 | ppb | 98 |
| 45) | carbon tetrachloride | 9.38 | 117 | 1270028 | 200.44 | ppb | 99 |
| 46) | 1,1-dichloropropene | 9.19 | 75 | 1238459 | 198.94 | ppb | 99 |
| 47) | benzene | 9.41 | 78 | 3872406 | 203.13 | ppb | 100 |
| 48) | 1,2-dichloroethane | 8.91 | 62 | 1169450 | 197.58 | ppb | 99 |
| 49) | tert-amyl methyl ether | 9.54 | 73 | 3029878 | 203.98 | ppb | 99 |
| 50) | heptane | 9.89 | 43 | 1319707 | 207.61 | ppb | 97 |
| 51) | trichloroethene | 10.03 | 95 | 976009 | 197.85 | ppb | 99 |
| 52) | 1,2-dichloropropane | 9.99 | 63 | 974080 | 206.60 | ppb | 100 |
| 53) | dibromomethane | 9.97 | 93 | 611395 | 201.38 | ppb | 98 |
| 54) | bromodichloromethane | 10.08 | 83 | 1358291 | 203.96 | ppb | 99 |
| 55) | Methylcyclohexane | 10.55 | 83 | 1671544 | 199.60 | ppb | 98 |
| 56) | 2-chloroethyl vinyl ether | 10.45 | 63 | 625091 | 205.23 | ppb | 99 |
| 57) | methyl methacrylate | 10.18 | 69 | 736135 | 207.34 | ppb | 97 |
| 58) | 1,4-dioxane | 10.25 | 88 | 27728 | 954.04 | ppb | 92 |
| 59) | cis-1,3-dichloropropene | 10.70 | 75 | 1585336 | 204.21 | ppb | 98 |
| 61) | 4-methyl-2-pentanone | 10.79 | 43 | 1059294 | 209.16 | ppb | 99 |
| 62) | toluene | 11.48 | 92 | 2517483 | 203.76 | ppb | 100 |
| 63) | trans-1,3-dichloropropene | 11.12 | 75 | 1373648 | 205.64 | ppb | 99 |
| 64) | 1,1,2-trichloroethane | 11.29 | 83 | 755259 | 203.25 | ppb | 100 |
| 65) | ethyl methacrylate | 11.50 | 69 | 1381435 | 210.74 | ppb | 96 |
| 67) | tetrachloroethene | 12.22 | 166 | 1246775 | 195.61 | ppb | 99 |
| 68) | 1,3-dichloropropane | 11.52 | 76 | 1540924 | 202.57 | ppb | 99 |
| 69) | dibromochloromethane | 11.81 | 129 | 1126312 | 200.16 | ppb | 99 |
| 70) | 1,2-dibromoethane | 12.07 | 107 | 964452 | 200.53 | ppb | 100 |
| 71) | 2-hexanone | 11.65 | 43 | 755708 | 207.73 | ppb | 100 |
| 72) | chlorobenzene | 12.90 | 112 | 2947953 | 198.66 | ppb | 100 |
| 73) | 1,1,1,2-tetrachloroethane | 12.82 | 131 | 1075059 | 191.96 | ppb | 98 |
| 74) | ethylbenzene | 13.07 | 91 | 4921648 | 206.44 | ppb | 97 |
| 75) | m,p-xylene | 13.26 | 106 | 3973027 | 424.10 | ppb | 97 |
| 76) | o-xylene | 13.67 | 106 | 1960936 | 205.21 | ppb | 97 |
| 77) | styrene | 13.60 | 104 | 3346400 | 204.79 | ppb | 98 |
| 78) | bromoform | 13.42 | 173 | 918150 | 198.16 | ppb | 99 |
| 79) | trans-1,4-dichloro-2-buten | 13.82 | 53 | 318398 | 198.13 | ppb | 97 |
| 81) | isopropylbenzene | 14.03 | 105 | 4519043 | 195.42 | ppb | 98 |
| 83) | bromobenzene | 14.32 | 156 | 1499231 | 187.92 | ppb | 96 |
| 84) | 1,1,2,2-tetrachloroethane | 13.67 | 83 | 1270632 | 200.48 | ppb | 99 |
| 85) | 1,2,3-trichloropropane | 13.82 | 75 | 1415503 | 189.67 | ppb | 100 |
| 86) | n-propylbenzene | 14.48 | 91 | 5973425 | 201.14 | ppb | 97 |
| 87) | 2-chlorotoluene | 14.60 | 91 | 3569743 | 197.13 | ppb | 97 |
| 88) | 4-chlorotoluene | 14.67 | 91 | 3627157 | 197.08 | ppb | 98 |
| 89) | 1,3,5-trimethylbenzene | 14.76 | 105 | 4357584 | 209.64 | ppb | 98 |
| 90) | tert-butylbenzene | 15.17 | 91 | 436756 | 208.56 | ppb | 98 |
| 91) | 1,2,4-trimethylbenzene | 15.17 | 105 | 4502651 | 211.46 | ppb | 99 |
| 92) | sec-butylbenzene | 15.29 | 105 | 5713980 | 225.34 | ppb | 98 |

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69176.D Vial: 10
Acq On : 25 Apr 2007 7:55 pm Operator: KIMT
Sample : IC2782-200 Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 7:59 2007 Quant Results File: G042507.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 07:42:36 2007
Response via : Initial Calibration
DataAcq Meth : G8260

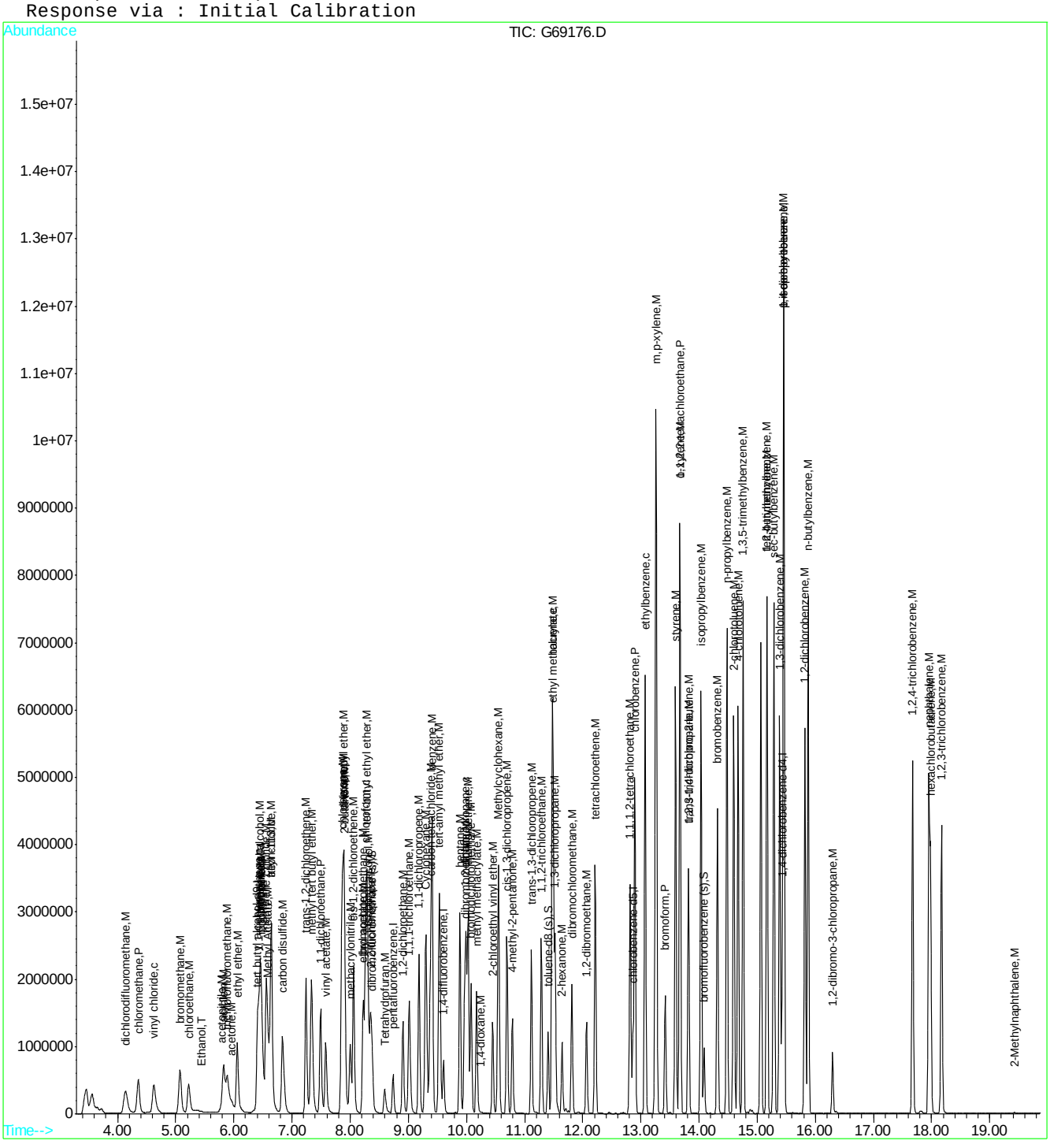
| | Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|---|---|---|---|---|---|---|---|
| 93) | 1,3-dichlorobenzene | 15.39 | 146 | 2799231 | 203.70 | ppb | 98 |
| 94) | p-isopropyltoluene | 15.46 | 119 | 4964070 | 239.09 | ppb | 99 |
| 95) | 1,4-dichlorobenzene | 15.45 | 146 | 2888744 | 221.64 | ppb | 97 |
| 96) | 1,2-dichlorobenzene | 15.82 | 146 | 2659254 | 209.79 | ppb | 98 |
| 97) | n-butylbenzene | 15.88 | 91 | 4405823 | 240.58 | ppb | 96 |
| 98) | 1,2-dibromo-3-chloropropan | 16.30 | 75 | 222934 | 210.70 | ppb | 96 |
| 99) | 1,2,4-trichlorobenzene | 17.68 | 180 | 1972105 | 238.24 | ppb | 99 |
| 100) | hexachlorobutadiene | 17.98 | 225 | 971992 | 258.89 | ppb | 100 |
| 101) | naphthalene | 17.95 | 128 | 4376141 | 224.24 | ppb | 100 |
| 102) | 1,2,3-trichlorobenzene | 18.17 | 180 | 1692128 | 236.58 | ppb | 99 |
| 103) | 2-Methylnaphthalene | 19.43 | 142 | 3660 | 253.89 | ppb | 81 |

(#) = qualifier out of range (m) = manual integration
G69176.D G042507.M Thu Apr 26 07:59:29 2007 RP1 Page 3

Quantitation Report

Data File : C:\HPCHEM\1\DATA\G69176.D  Vial: 10
Acq On : 25 Apr 2007 7:55 pm  Operator: KIMT
Sample : IC2782-200  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 7:59 2007  Quant Results File: G042507.RES

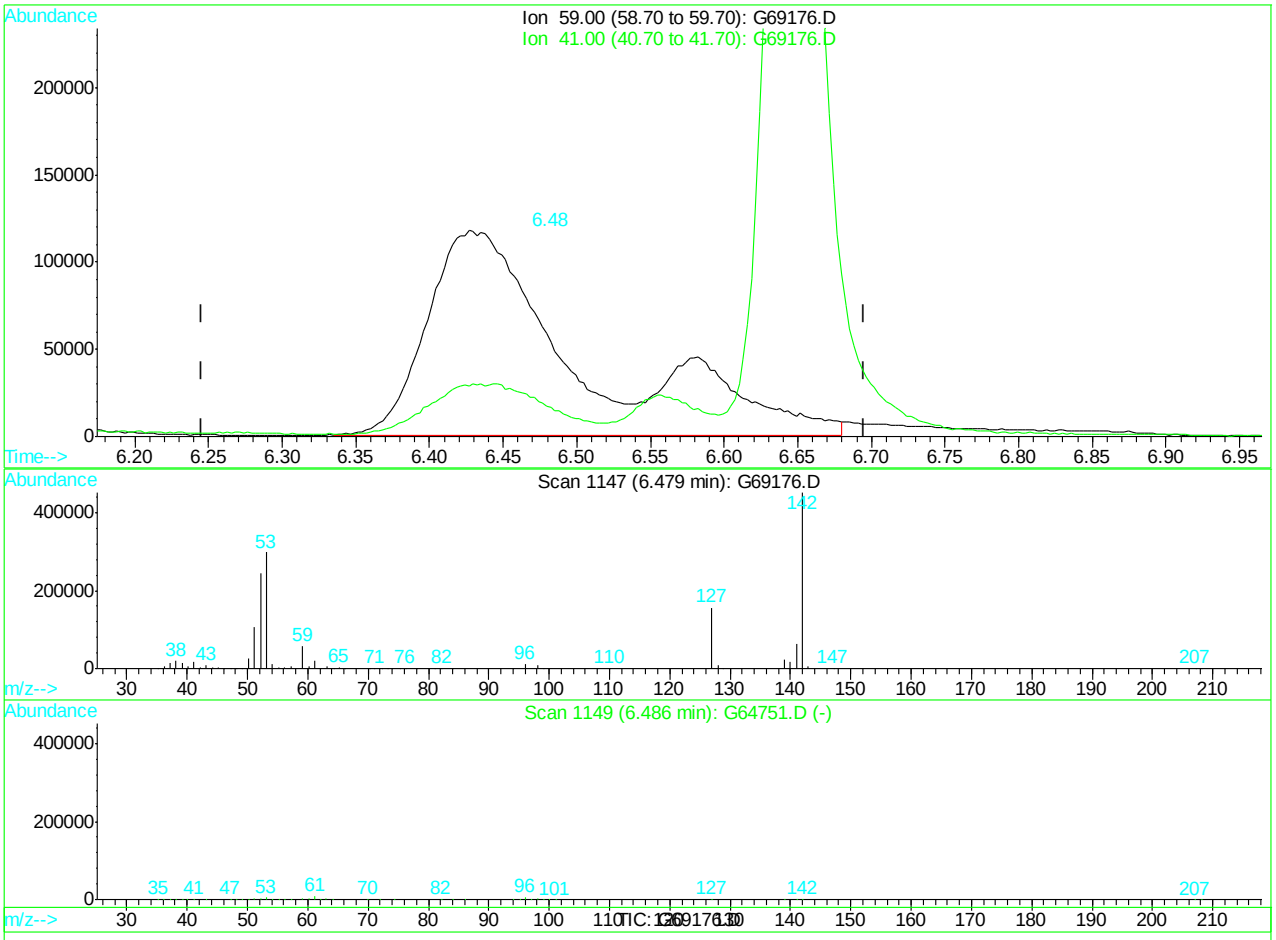
Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 07:58:47 2007
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69176.D  Vial: 10
Acq On : 25 Apr 2007 7:55 pm  Operator: KIMT
Sample : IC2782-200  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 7:47 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 07:42:36 2007
Response via : Multiple Level Calibration




(2) tertiary butyl alcohol (M)

6.48min 2630.55ppb

response 829657

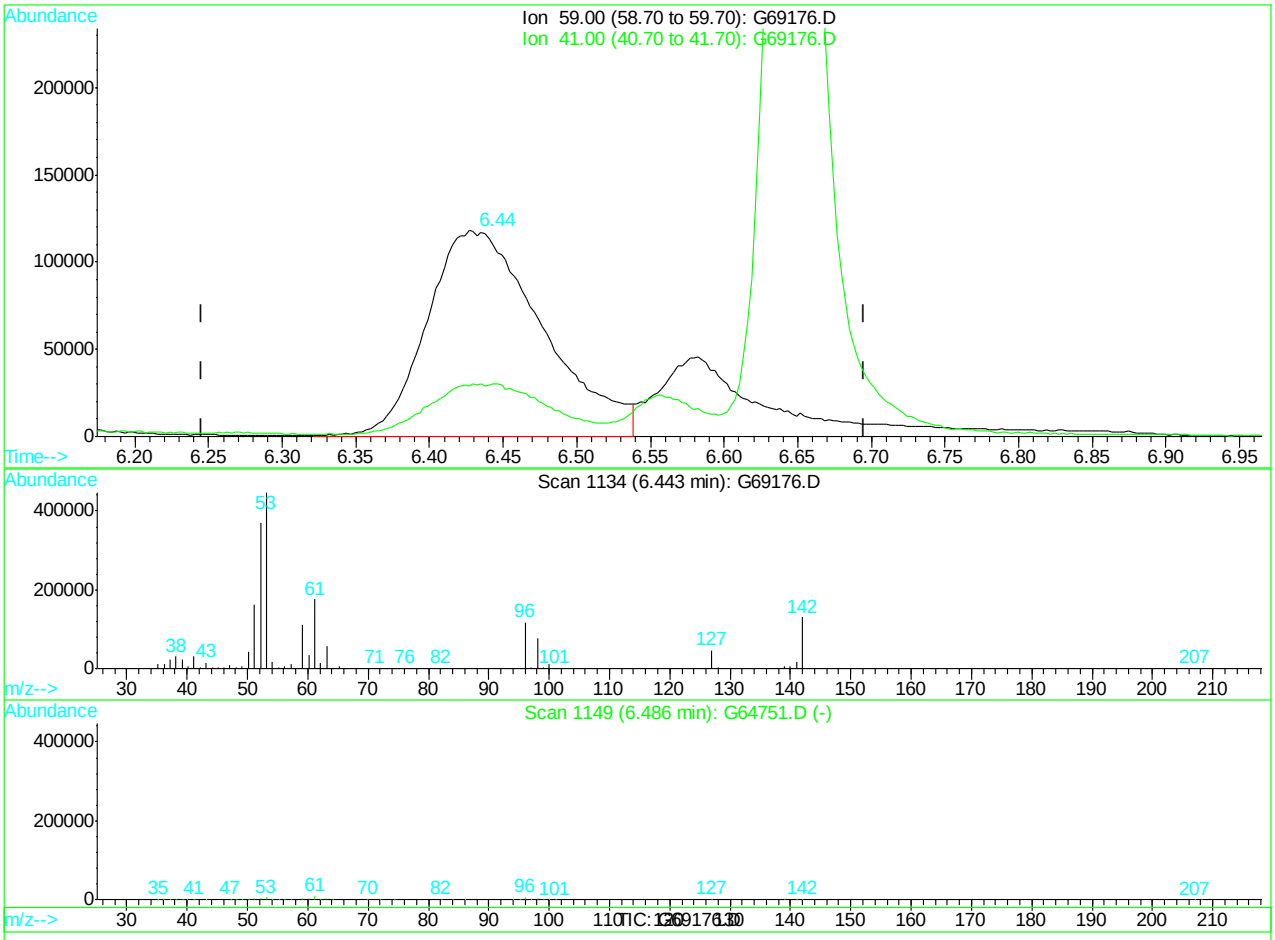
| Ion | Exp% | Act% |
|---|---|---|
| 59.00 | 100 | 100 |
| 41.00 | 27.00 | 26.84 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

G69176.D G042507.M Thu Apr 26 07:49:17 2007 RP1

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69176.D  Vial: 10
Acq On : 25 Apr 2007 7:55 pm  Operator: KIMT
Sample : IC2782-200  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 7:49 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 07:42:36 2007
Response via : Multiple Level Calibration




(2) tertiary butyl alcohol (M)

6.44min 2047.49ppb m

response 645764

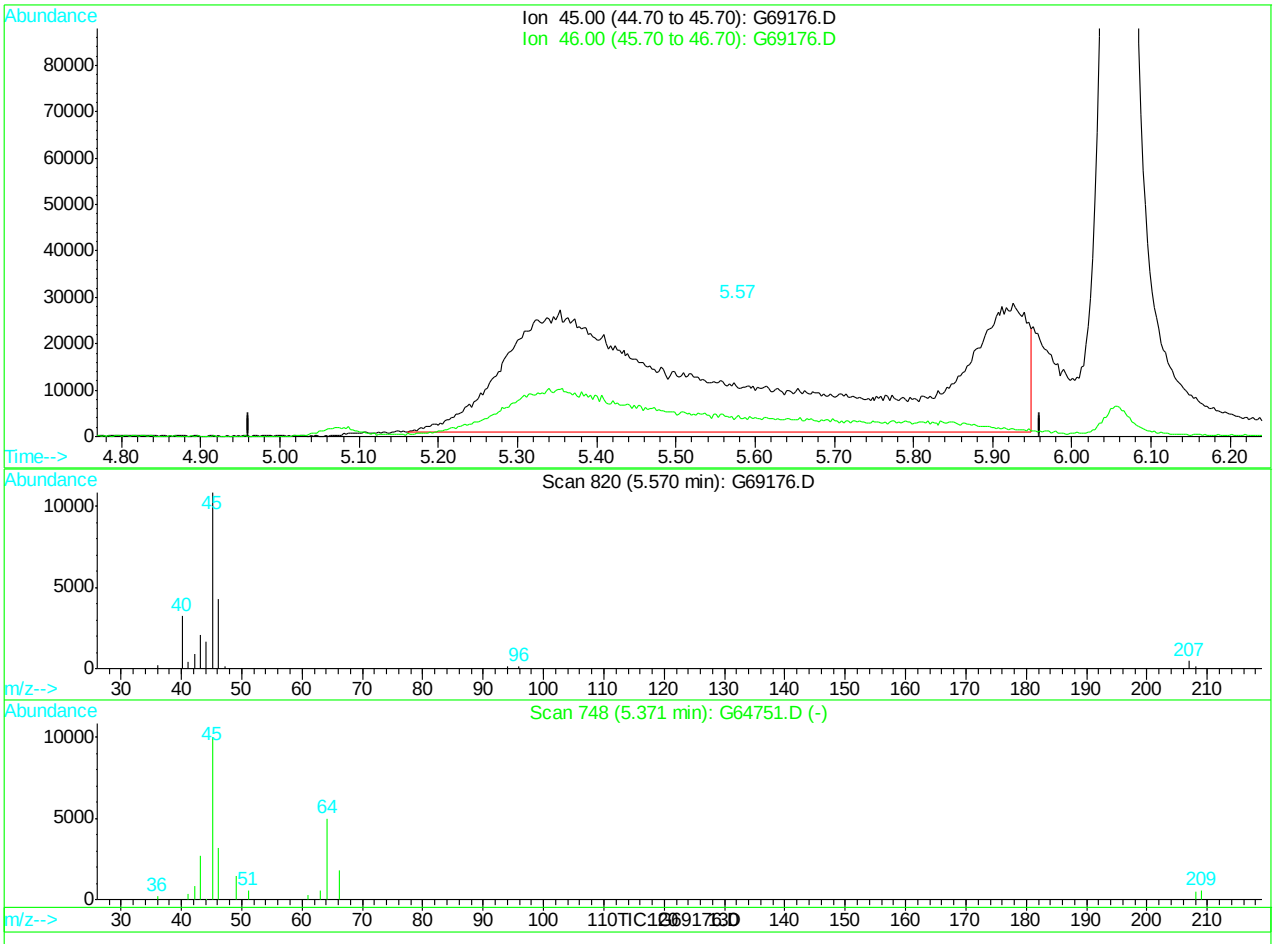
| Ion | Exp% | Act% |
|---|---|---|
| 59.00 | 100 | 100 |
| 41.00 | 27.00 | 27.62 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

G69176.D G042507.M Thu Apr 26 07:49:24 2007 RP1

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69176.D  Vial: 10
Acq On : 25 Apr 2007 7:55 pm  Operator: KIMT
Sample : IC2782-200  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 7:49 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 07:42:36 2007
Response via : Multiple Level Calibration




(4) Ethanol (T)

5.57min 24841.21ppb

response 599801

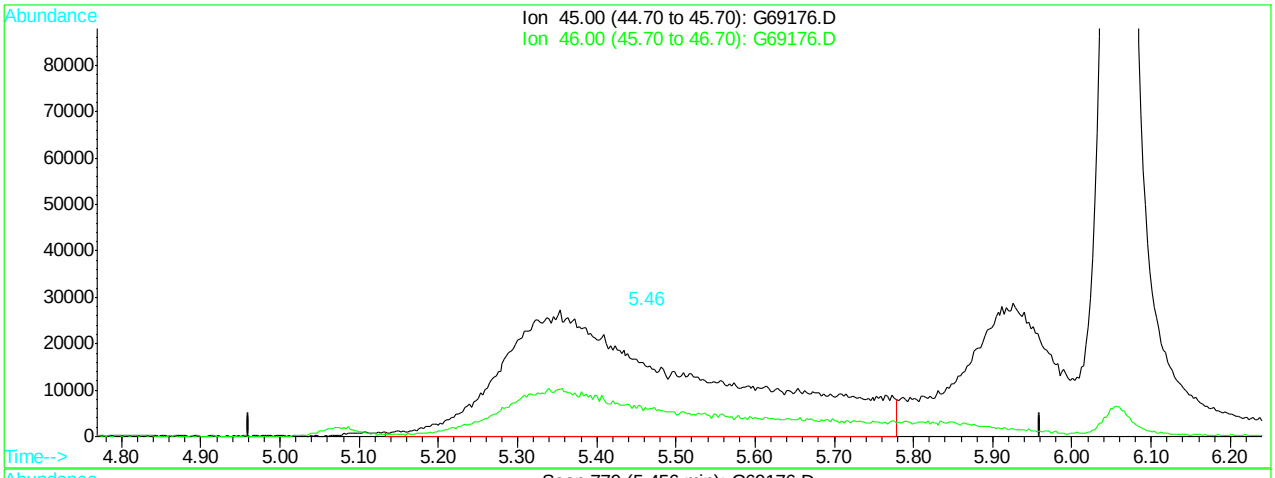
| Ion | Exp% | Act% |
|---|---|---|
| 45.00 | 100 | 100 |
| 46.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

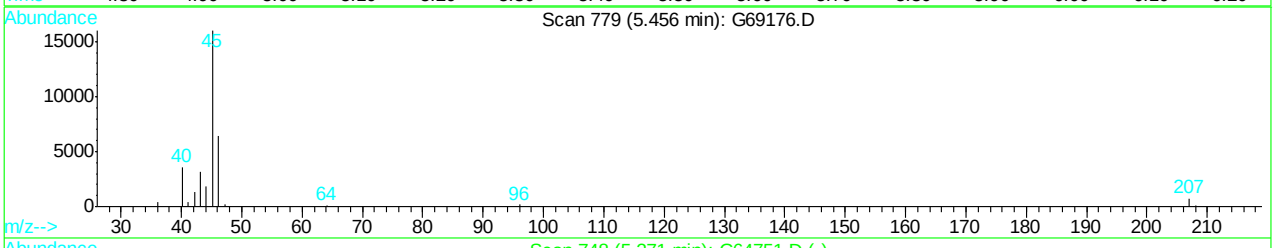
G69176.D G042507.M Thu Apr 26 07:49:31 2007 RP1

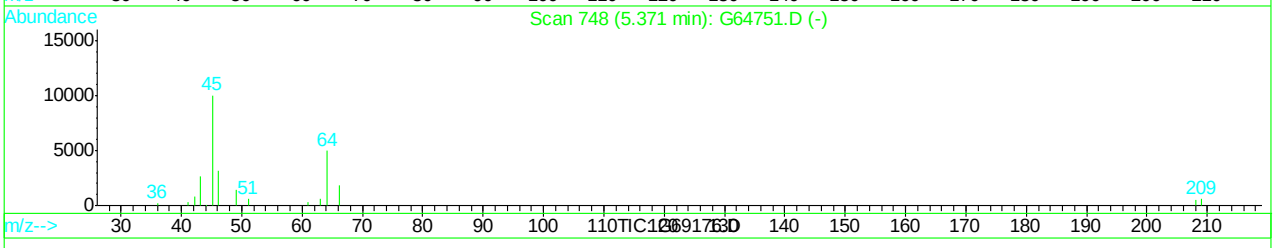
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69176.D  Vial: 10
Acq On : 25 Apr 2007 7:55 pm  Operator: KIMT
Sample : IC2782-200  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 7:49 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 07:42:36 2007
Response via : Multiple Level Calibration




(4) Ethanol (T)

5.46min 19749.48ppb m

response 476859

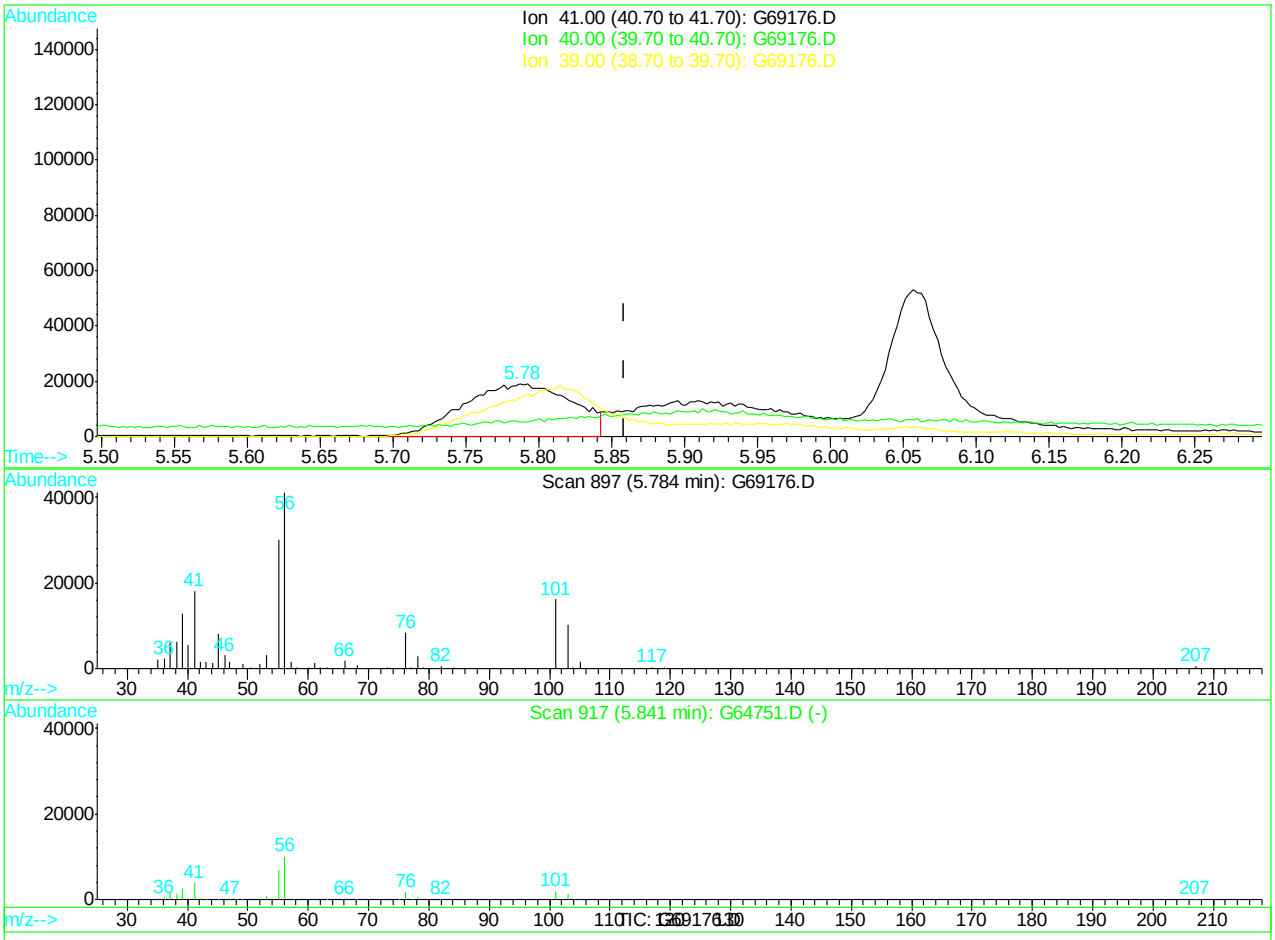
| Ion | Exp% | Act% |
|---|---|---|
| 45.00 | 100 | 100 |
| 46.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

G69176.D G042507.M Thu Apr 26 07:49:37 2007 RP1

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69176.D  Vial: 10
Acq On : 25 Apr 2007 7:55 pm  Operator: KIMT
Sample : IC2782-200  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 7:49 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 07:42:36 2007
Response via : Multiple Level Calibration




(11) acetonitrile (M)

5.78min 154.01ppb

response 98009

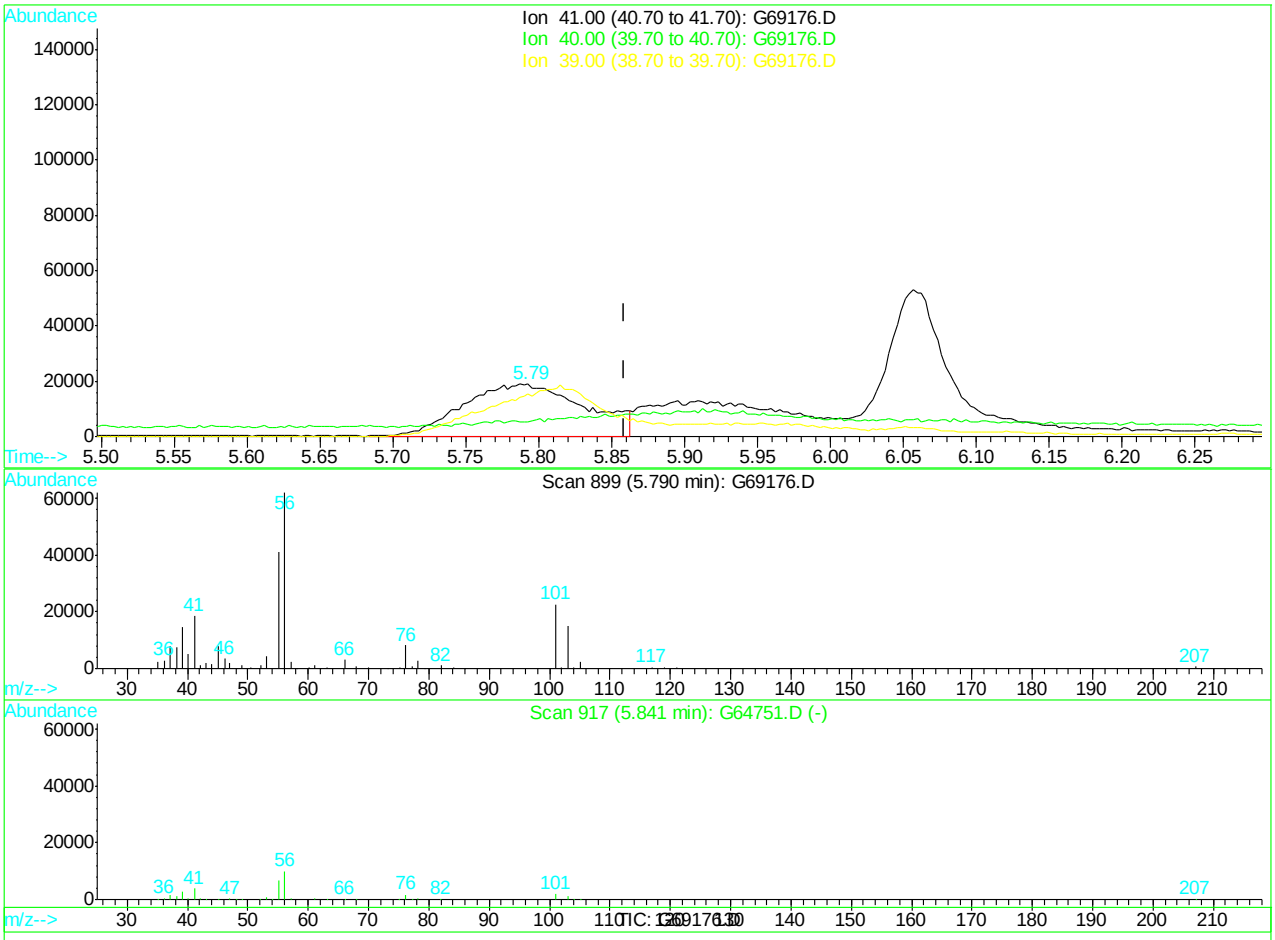
| Ion | Exp% | Act% |
|---|---|---|
| 41.00 | 100 | 100 |
| 40.00 | 17.20 | 10.56 |
| 39.00 | 77.40 | 72.35 |
| 0.00 | 0.00 | 0.00 |

G69176.D G042507.M Thu Apr 26 07:49:49 2007 RP1

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69176.D  Vial: 10
Acq On : 25 Apr 2007 7:55 pm  Operator: KIMT
Sample : IC2782-200  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 7:49 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 07:42:36 2007
Response via : Multiple Level Calibration




(11) acetonitrile (M)

5.79min 173.81ppb m

response 110613

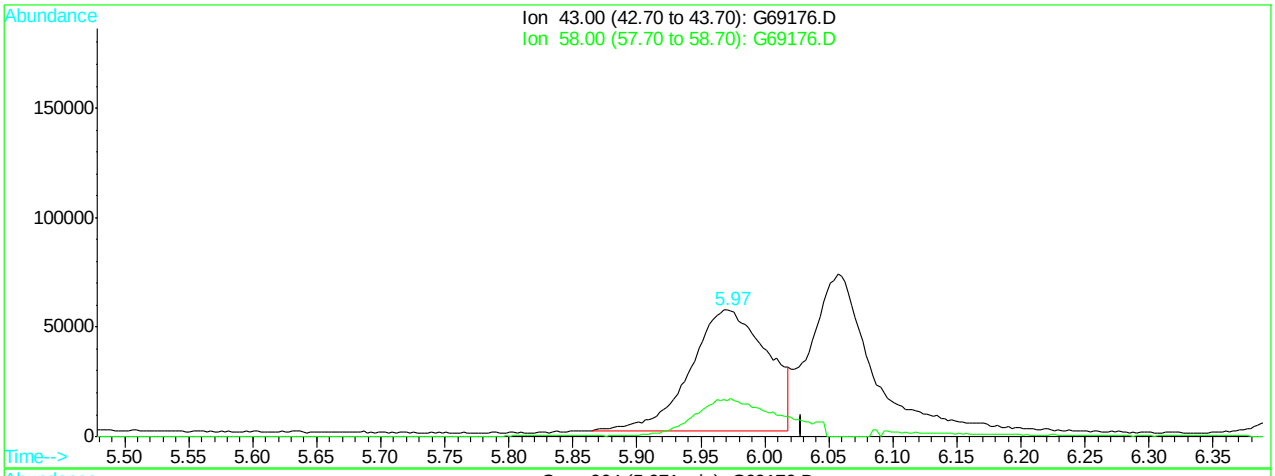
| Ion | Exp% | Act% |
|---|---|---|
| 41.00 | 100 | 100 |
| 40.00 | 17.20 | 28.73 |
| 39.00 | 77.40 | 79.57 |
| 0.00 | 0.00 | 0.00 |

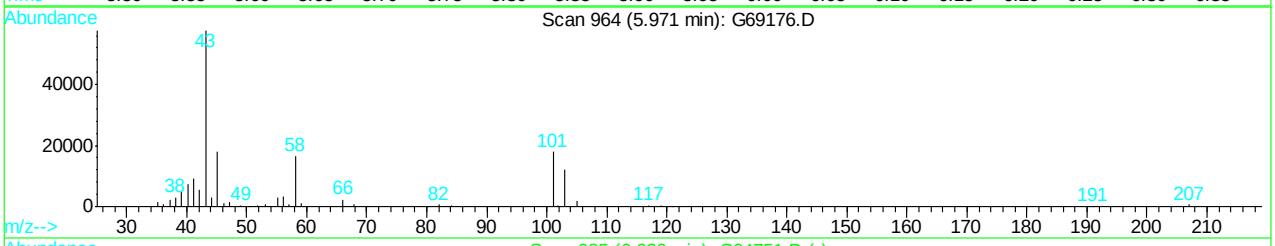
G69176.D G042507.M Thu Apr 26 07:49:54 2007 RP1

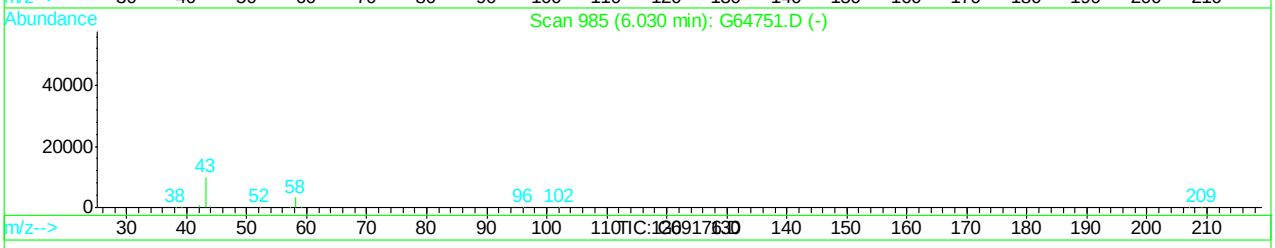
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69176.D  Vial: 10
Acq On : 25 Apr 2007 7:55 pm  Operator: KIMT
Sample : IC2782-200  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 7:49 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 07:42:36 2007
Response via : Multiple Level Calibration




(16) acetone (M)

5.97min 185.56ppb

response 229443

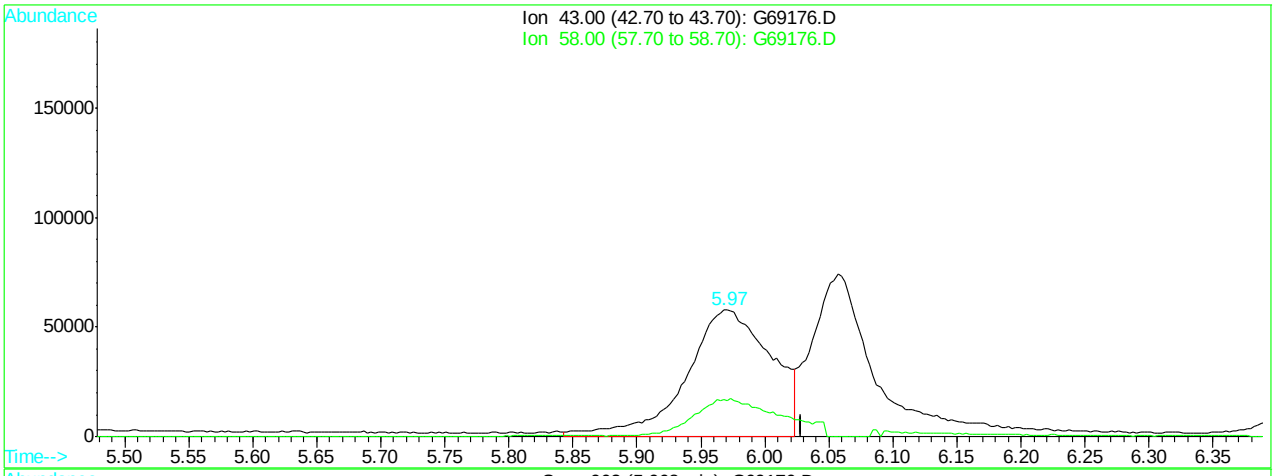
| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 58.00 | 30.00 | 29.41 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

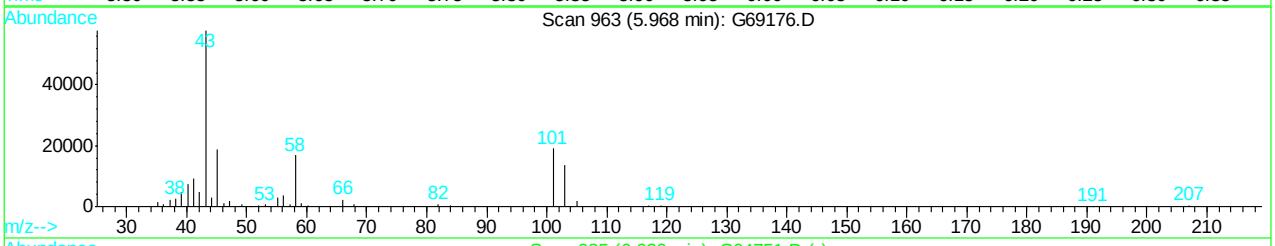
G69176.D G042507.M Thu Apr 26 07:50:05 2007 RP1

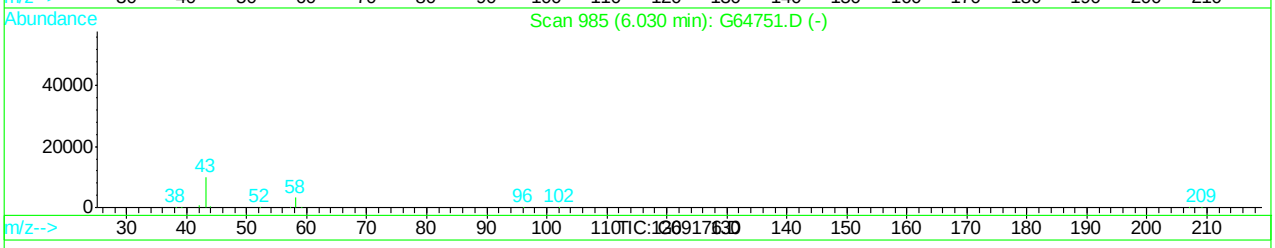
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69176.D  Vial: 10
Acq On : 25 Apr 2007 7:55 pm  Operator: KIMT
Sample : IC2782-200  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 7:50 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 07:42:36 2007
Response via : Multiple Level Calibration




(16) acetone (M)

5.97min 217.64ppb m

response 269111

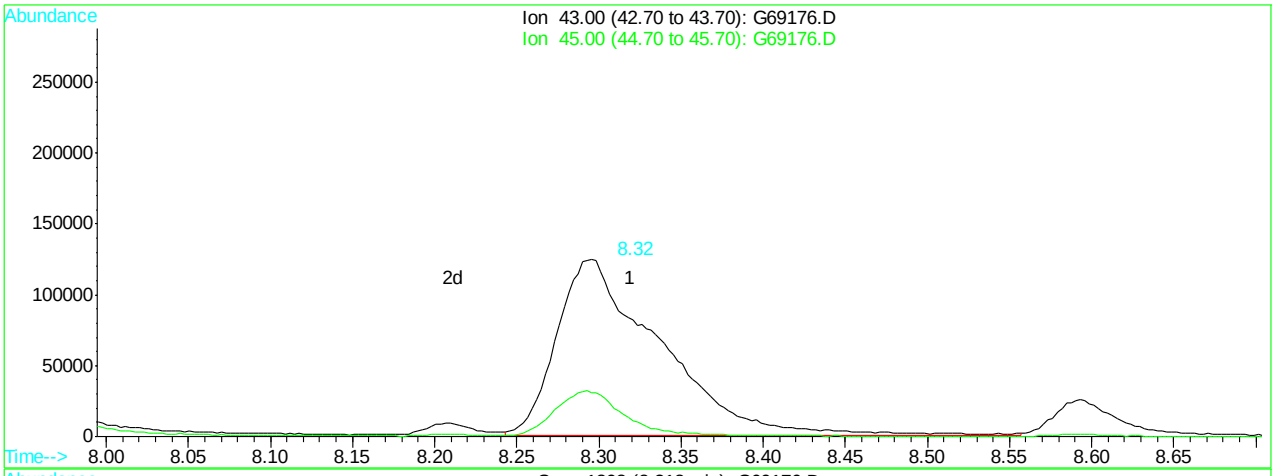
| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 58.00 | 30.00 | 29.08 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

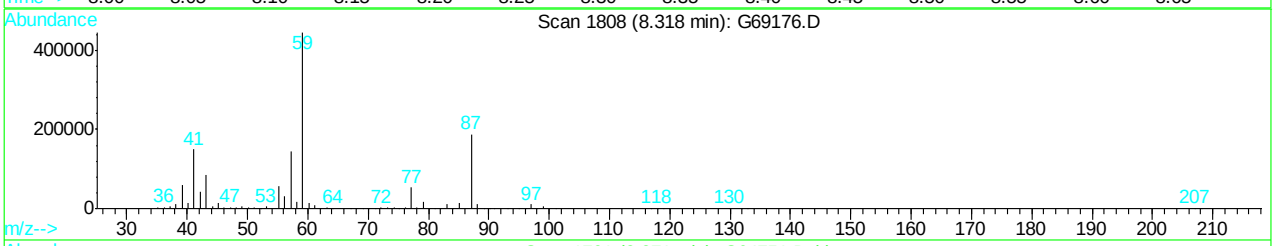
G69176.D G042507.M Thu Apr 26 07:50:16 2007 RP1

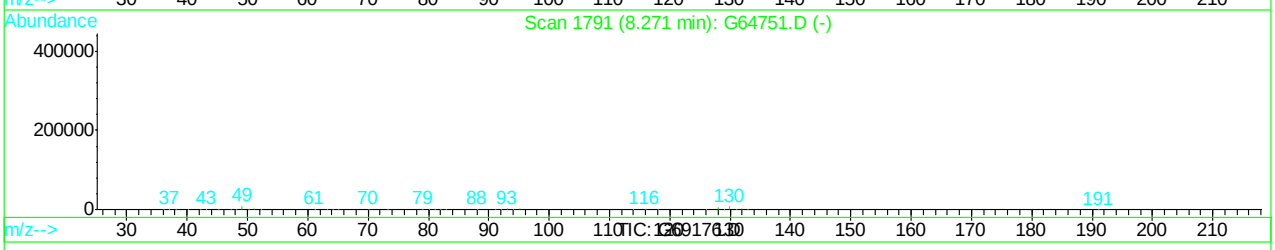
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69176.D  Vial: 10
Acq On : 25 Apr 2007 7:55 pm  Operator: KIMT
Sample : IC2782-200  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 7:50 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 07:58:47 2007
Response via : Multiple Level Calibration




(37) ethyl acetate (M)

8.32min 204.15ppb

response 544548

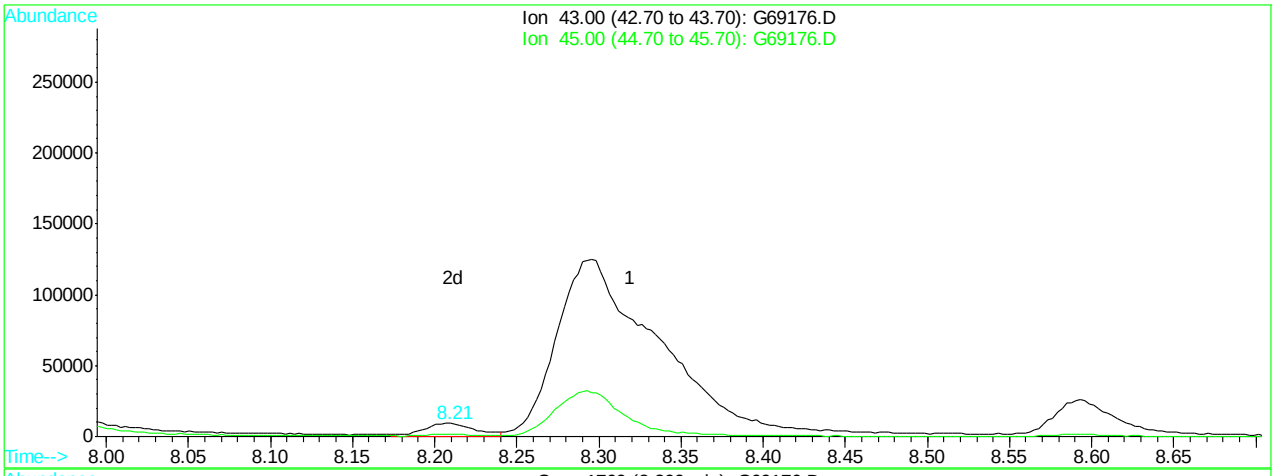
| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 45.00 | 15.30 | 15.94 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

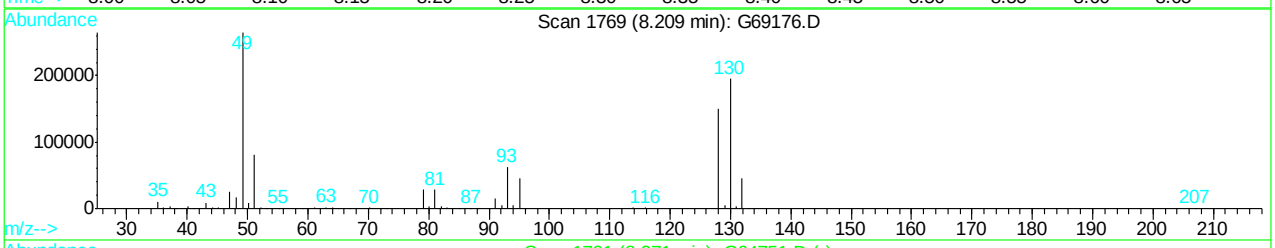
G69176.D G042507.M Thu Apr 26 07:59:16 2007 RP1

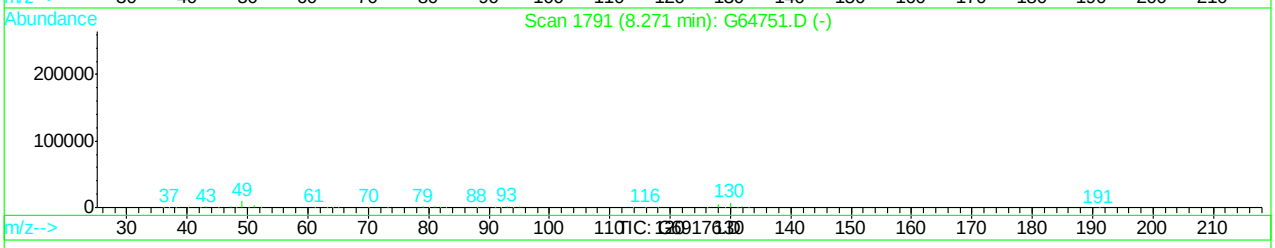
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69176.D  Vial: 10
Acq On : 25 Apr 2007 7:55 pm  Operator: KIMT
Sample : IC2782-200  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 7:59 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 07:58:47 2007
Response via : Multiple Level Calibration




(37) ethyl acetate (M)

8.21min 7.74ppb m

response 20645

| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 45.00 | 15.30 | 17.17 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

G69176.D G042507.M Thu Apr 26 07:59:22 2007 RP1

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 04/27/07 13:57

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69177.D Vial: 11
Acq On : 25 Apr 2007 8:22 pm Operator: KIMT
Sample : ICC2782-100 Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 9:07 2007 Quant Results File: G042507W.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 08:46:25 2007
Response via : Initial Calibration
DataAcq Meth : G8260

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 6.40 | 65 | 155430 | 500.00 ppb | 0.00 |
| 3) pentafluorobenzene | 8.74 | 168 | 498826 | 50.00 ppb | 0.00 |
| 43) 1,4-difluorobenzene | 9.61 | 114 | 692546 | 50.00 ppb | 0.00 |
| 66) chlorobenzene-d5 | 12.86 | 82 | 357896 | 50.00 ppb | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 15.42 | 152 | 409050 | 50.00 ppb | 0.00 |

System Monitoring Compounds

| | | | | | |
|---|---|---|---|---|---|
| 40) dibromofluoromethane (s) | 8.38 | 113 | 215563 | 49.92 ppb | 0.00 |
| Spiked Amount 50.000 | Range 83 - 127 | | Recovery = 99.84% | | |
| 60) toluene-d8 (s) | 11.40 | 98 | 839803 | 49.86 ppb | 0.00 |
| Spiked Amount 50.000 | Range 89 - 112 | | Recovery = 99.72% | | |
| 82) bromofluorobenzene (s) | 14.09 | 95 | 330256 | 49.19 ppb | 0.00 |
| Spiked Amount 50.000 | Range 81 - 119 | | Recovery = 98.38% | | |

Target Compounds

| | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 2) tertiary butyl alcohol | 6.45 | 59 | 348511m | 954.30 ppb | | |
| 4) Ethanol | 5.47 | 45 | 258656m | 10283.50 ppb | | |
| 5) dichlorodifluoromethane | 4.15 | 85 | 486937 | 98.54 ppb | | 93 |
| 6) chloromethane | 4.35 | 50 | 572661 | 100.65 ppb | | 92 |
| 7) vinyl chloride | 4.62 | 62 | 514978 | 95.61 ppb | | 93 |
| 8) bromomethane | 5.07 | 96 | 398522 | 98.56 ppb | | 71 |
| 9) chloroethane | 5.23 | 64 | 363483 | 100.61 ppb | | 84 |
| 10) ethyl ether | 6.07 | 59 | 444060 | 108.99 ppb | | 84 |
| 11) acetonitrile | 5.78 | 41 | 46247 | 85.70 ppb | # | 1 |
| 12) trichlorofluoromethane | 5.88 | 101 | 587812 | 98.40 ppb | | 94 |
| 13) freon-113 | 6.63 | 101 | 416536 | 100.51 ppb | | 79 |
| 14) acrolein | 5.84 | 56 | 426890 | 520.61 ppb | | 100 |
| 15) 1,1-dichloroethene | 6.42 | 96 | 445691 | 100.17 ppb | | 80 |
| 16) acetone | 5.98 | 43 | 114259 | 91.23 ppb | | 89 |
| 17) Methyl Acetate | 6.60 | 43 | 751990 | 111.25 ppb | # | 71 |
| 18) methylene chloride | 6.56 | 84 | 547484 | 102.15 ppb | | 92 |
| 19) methyl tert butyl ether | 7.34 | 73 | 1445649 | 107.57 ppb | | 85 |
| 20) acrylonitrile | 6.48 | 53 | 1072960 | 528.84 ppb | | 92 |
| 21) allyl chloride | 6.65 | 41 | 809883 | 104.82 ppb | | 94 |
| 22) trans-1,2-dichloroethene | 7.24 | 96 | 504214 | 100.79 ppb | | 89 |
| 23) iodomethane | 6.48 | 142 | 850864 | 101.05 ppb | | 94 |
| 24) carbon disulfide | 6.84 | 76 | 1407558 | 99.08 ppb | | 91 |
| 25) propionitrile | 6.47 | 54 | 36835 | 95.92 ppb | | 100 |
| 26) vinyl acetate | 7.59 | 43 | 989486 | 110.62 ppb | | 100 |
| 27) chloroprene | 7.85 | 53 | 649978 | 104.84 ppb | | 88 |
| 28) di-isopropyl ether | 7.90 | 45 | 1879767 | 105.26 ppb | | 73 |
| 29) methacrylonitrile | 8.01 | 41 | 361253 | 102.83 ppb | | 75 |
| 30) 2-butanone | 7.91 | 72 | 67272 | 102.48 ppb | # | 1 |
| 31) Hexane | 7.88 | 41 | 734702 | 98.81 ppb | # | 97 |
| 32) 1,1-dichloroethane | 7.49 | 63 | 885267 | 101.33 ppb | | 91 |
| 33) tert-butyl ethyl ether | 8.30 | 59 | 1663221 | 109.61 ppb | | 94 |
| 34) isobutyl alcohol | 8.32 | 43 | 285976 | 518.20 ppb | | 99 |
| 35) 2,2-dichloropropane | 8.36 | 77 | 575761 | 102.98 ppb | | 98 |
| 36) cis-1,2-dichloroethene | 8.06 | 96 | 556599 | 98.76 ppb | | 89 |
| 37) ethyl acetate | 8.21 | 43 | 7456 | 66.42 ppb | | 100 |

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69177.D Vial: 11
Acq On : 25 Apr 2007 8:22 pm Operator: KIMT
Sample : ICC2782-100 Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 9:07 2007 Quant Results File: G042507W.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 08:46:25 2007
Response via : Initial Calibration
DataAcq Meth : G8260

| Compound | R.T. | QIon | Response | Conc Unit | | Qvalue |
|---|---|---|---|---|---|---|
| 38) bromochloromethane | 8.22 | 128 | 277886 | 100.11 ppb | # | 75 |
| 39) chloroform | 8.26 | 83 | 853846 | 99.25 ppb | | 76 |
| 41) Tetrahydrofuran | 8.61 | 42 | 166512 | 110.60 ppb | | 100 |
| 42) 1,1,1-trichloroethane | 9.02 | 97 | 709012 | 100.52 ppb | | 88 |
| 44) Cyclohexane | 9.30 | 56 | 852354 | 105.92 ppb | | 98 |
| 45) carbon tetrachloride | 9.38 | 117 | 647587 | 101.15 ppb | | 90 |
| 46) 1,1-dichloropropene | 9.18 | 75 | 634585 | 103.85 ppb | | 95 |
| 47) benzene | 9.41 | 78 | 1994553 | 102.14 ppb | | 82 |
| 48) 1,2-dichloroethane | 8.91 | 62 | 603243 | 99.02 ppb | | 94 |
| 49) tert-amyl methyl ether | 9.54 | 73 | 1563382 | 113.23 ppb | | 93 |
| 50) heptane | 9.89 | 43 | 690412 | 104.93 ppb | | 94 |
| 51) trichloroethene | 10.03 | 95 | 492067 | 102.05 ppb | | 92 |
| 52) 1,2-dichloropropane | 9.99 | 63 | 498995 | 101.97 ppb | | 97 |
| 53) dibromomethane | 9.97 | 93 | 307614 | 99.17 ppb | | 89 |
| 54) bromodichloromethane | 10.08 | 83 | 687963 | 100.62 ppb | | 96 |
| 55) Methylcyclohexane | 10.55 | 83 | 870299 | 107.01 ppb | | 93 |
| 56) 2-chloroethyl vinyl ether | 10.45 | 63 | 305995 | 99.31 ppb | | 95 |
| 57) methyl methacrylate | 10.18 | 69 | 377751 | 113.99 ppb | # | 74 |
| 58) 1,4-dioxane | 10.26 | 88 | 16275 | 553.49 ppb | | 49 |
| 59) cis-1,3-dichloropropene | 10.70 | 75 | 808018 | 108.26 ppb | | 82 |
| 61) 4-methyl-2-pentanone | 10.79 | 43 | 550447 | 109.22 ppb | | 94 |
| 62) toluene | 11.48 | 92 | 1278962 | 101.95 ppb | | 94 |
| 63) trans-1,3-dichloropropene | 11.12 | 75 | 694455 | 111.89 ppb | | 99 |
| 64) 1,1,2-trichloroethane | 11.29 | 83 | 383313 | 101.55 ppb | | 76 |
| 65) ethyl methacrylate | 11.50 | 69 | 702619 | 112.17 ppb | | 80 |
| 67) tetrachloroethene | 12.22 | 166 | 622356 | 103.11 ppb | | 96 |
| 68) 1,3-dichloropropane | 11.52 | 76 | 784323 | 100.25 ppb | | 93 |
| 69) dibromochloromethane | 11.81 | 129 | 573609 | 101.73 ppb | | 94 |
| 70) 1,2-dibromoethane | 12.06 | 107 | 487361 | 103.66 ppb | | 99 |
| 71) 2-hexanone | 11.65 | 43 | 397580 | 111.29 ppb | | 97 |
| 72) chlorobenzene | 12.90 | 112 | 1484182 | 100.56 ppb | | 97 |
| 73) 1,1,1,2-tetrachloroethane | 12.81 | 131 | 537967 | 101.75 ppb | | 93 |
| 74) ethylbenzene | 13.07 | 91 | 2506820 | 105.84 ppb | | 98 |
| 75) m,p-xylene | 13.26 | 106 | 2016461 | 213.81 ppb | | 97 |
| 76) o-xylene | 13.67 | 106 | 999576 | 106.10 ppb | | 93 |
| 77) styrene | 13.60 | 104 | 1696541 | 110.74 ppb | | 98 |
| 78) bromoform | 13.42 | 173 | 464698 | 102.04 ppb | | 80 |
| 79) trans-1,4-dichloro-2-buten | 13.82 | 53 | 163301 | 112.62 ppb | | 95 |
| 81) isopropylbenzene | 14.03 | 105 | 2286949 | 104.78 ppb | | 97 |
| 83) bromobenzene | 14.32 | 156 | 746344 | 101.62 ppb | | 96 |
| 84) 1,1,2,2-tetrachloroethane | 13.67 | 83 | 658256 | 97.78 ppb | | 92 |
| 85) 1,2,3-trichloropropane | 13.82 | 75 | 734432 | 104.74 ppb | | 99 |
| 86) n-propylbenzene | 14.48 | 91 | 3055932 | 104.88 ppb | | 100 |
| 87) 2-chlorotoluene | 14.60 | 91 | 1800674 | 101.78 ppb | | 91 |
| 88) 4-chlorotoluene | 14.67 | 91 | 1837733 | 102.53 ppb | | 96 |
| 89) 1,3,5-trimethylbenzene | 14.76 | 105 | 2220805 | 106.21 ppb | | 98 |
| 90) tert-butylbenzene | 15.17 | 91 | 220112 | 103.93 ppb | | 84 |
| 91) 1,2,4-trimethylbenzene | 15.17 | 105 | 2294762 | 106.09 ppb | | 89 |
| 92) sec-butylbenzene | 15.29 | 105 | 2964258 | 107.87 ppb | | 97 |

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69177.D Vial: 11
Acq On : 25 Apr 2007 8:22 pm Operator: KIMT
Sample : ICC2782-100 Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 9:07 2007 Quant Results File: G042507W.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 08:46:25 2007
Response via : Initial Calibration
DataAcq Meth : G8260

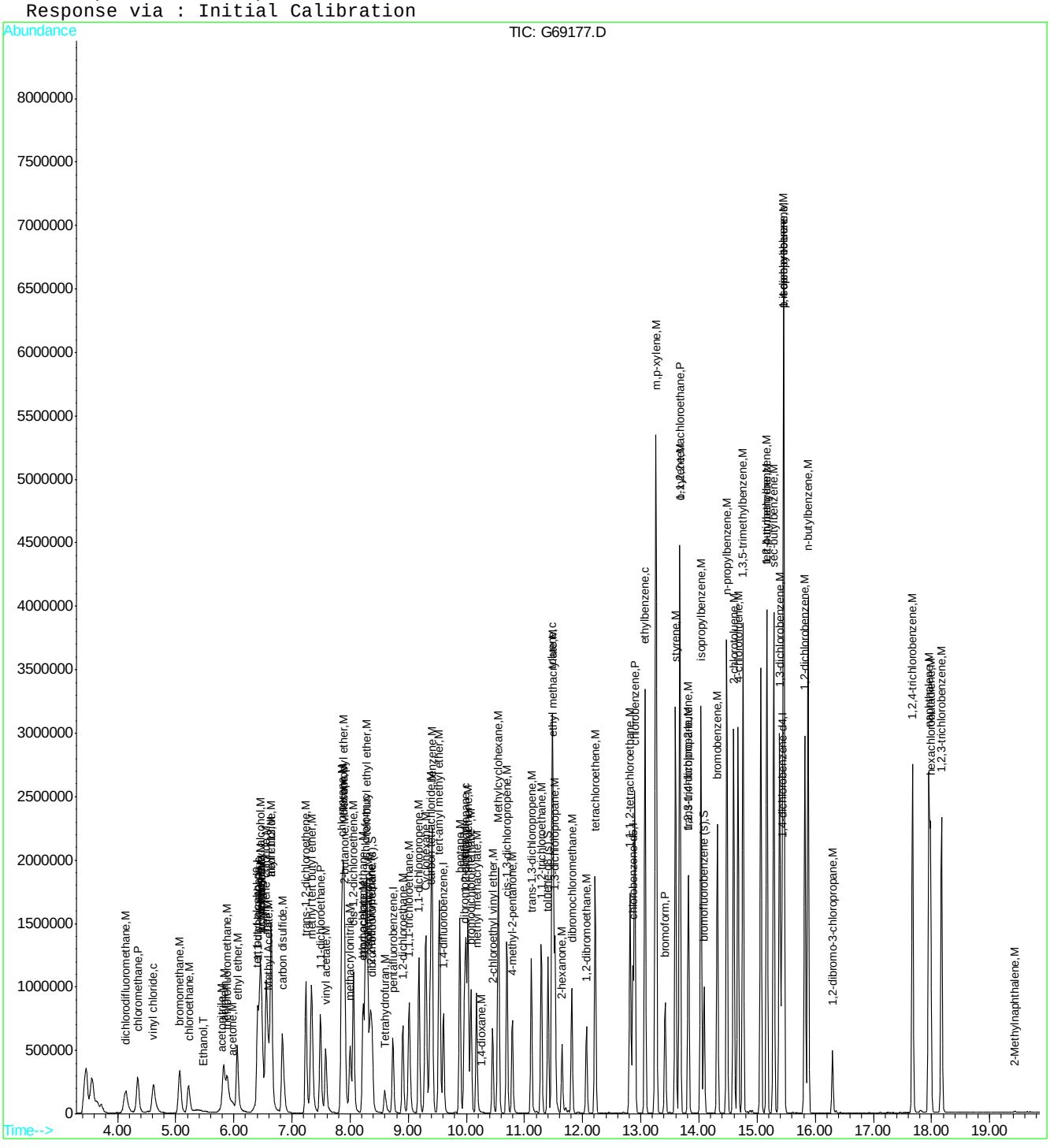
| | Compound | R.T. | QIon | Response | Conc | Unit | | Qvalue |
|---|---|---|---|---|---|---|---|---|
| 93) | 1,3-dichlorobenzene | 15.39 | 146 | 1423316 | 102.45 | ppb | | 96 |
| 94) | p-isopropyltoluene | 15.46 | 119 | 2615310 | 108.13 | ppb | | 96 |
| 95) | 1,4-dichlorobenzene | 15.45 | 146 | 1500895 | 103.71 | ppb | | 94 |
| 96) | 1,2-dichlorobenzene | 15.82 | 146 | 1380337 | 103.75 | ppb | | 88 |
| 97) | n-butylbenzene | 15.88 | 91 | 2366403 | 110.35 | ppb | | 100 |
| 98) | 1,2-dibromo-3-chloropropan | 16.30 | 75 | 117228 | 97.02 | ppb | # | 49 |
| 99) | 1,2,4-trichlorobenzene | 17.67 | 180 | 1042279 | 109.05 | ppb | | 95 |
| 100) | hexachlorobutadiene | 17.98 | 225 | 560933 | 105.09 | ppb | | 92 |
| 101) | naphthalene | 17.95 | 128 | 2275236 | 110.49 | ppb | | 100 |
| 102) | 1,2,3-trichlorobenzene | 18.17 | 180 | 904960 | 108.44 | ppb | | 98 |
| 103) | 2-Methylnaphthalene | 19.43 | 142 | 2363 | 108.50 | ppb | | 100 |

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\G69177.D Vial: 11
Acq On : 25 Apr 2007 8:22 pm Operator: KIMT
Sample : ICC2782-100 Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 9:07 2007 Quant Results File: G042507W.RES

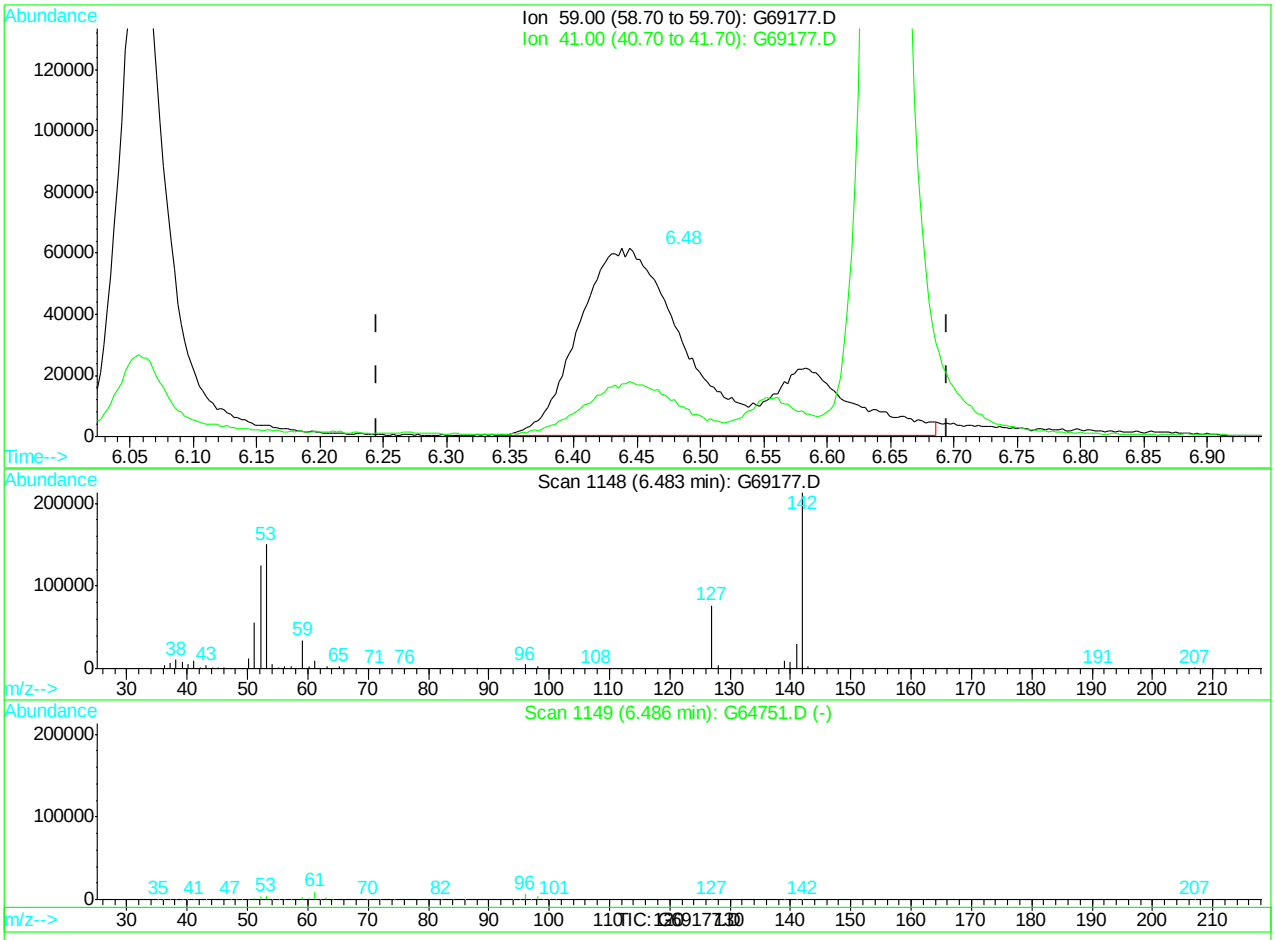
Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 08:46:25 2007
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69177.D  Vial: 11
Acq On : 25 Apr 2007 8:22 pm  Operator: KIMT
Sample : ICC2782-100  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 7:47 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 07:52:13 2007
Response via : Multiple Level Calibration




(2) tertiary butyl alcohol (M)

6.48min 1304.60ppb

response 437398

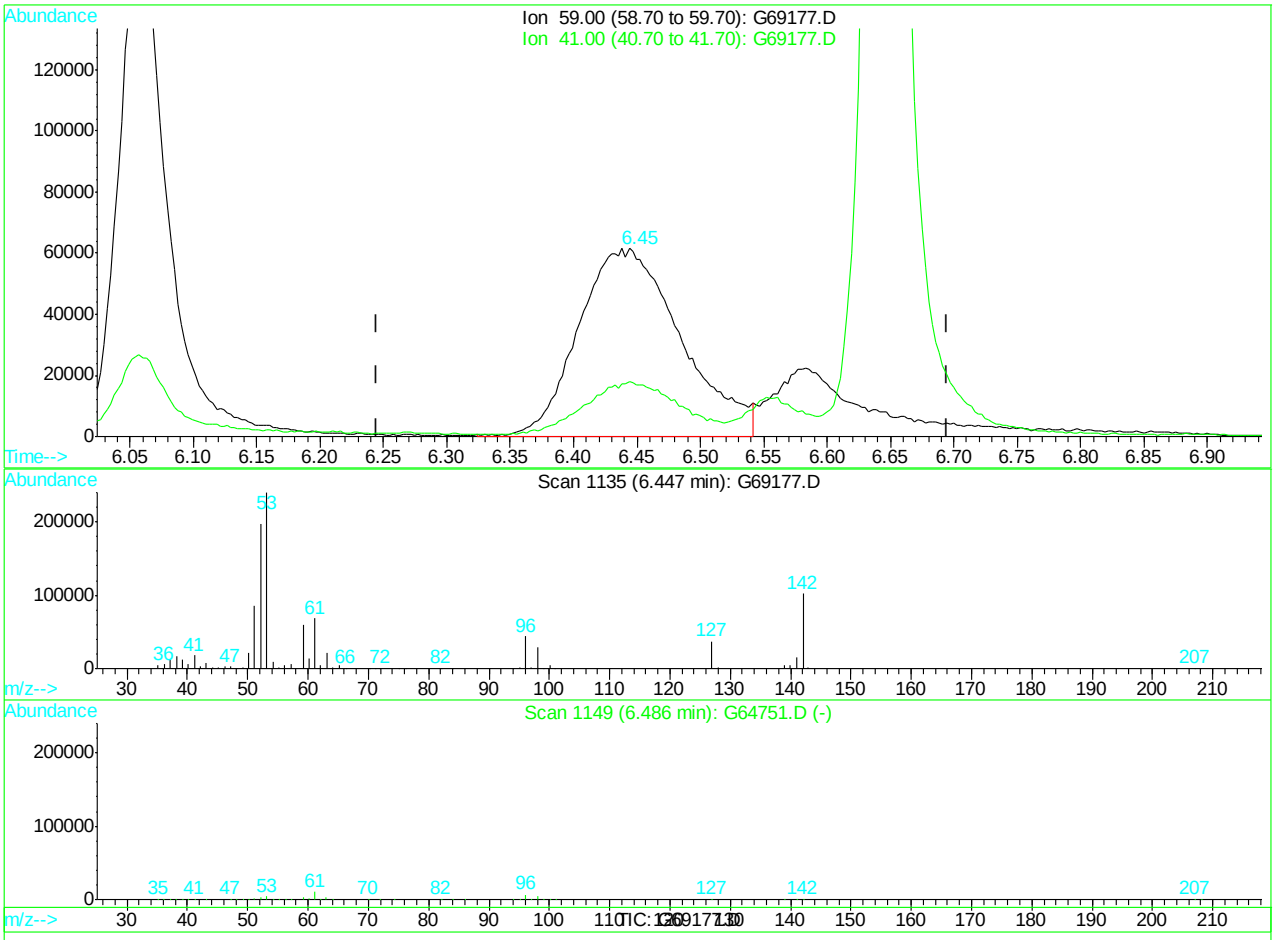
| Ion | Exp% | Act% |
|---|---|---|
| 59.00 | 100 | 100 |
| 41.00 | 27.00 | 27.31 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

G69177.D G042507.M Thu Apr 26 07:52:39 2007 RP1

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69177.D  Vial: 11
Acq On : 25 Apr 2007 8:22 pm  Operator: KIMT
Sample : ICC2782-100  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 7:52 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 07:52:13 2007
Response via : Multiple Level Calibration




(2) tertiary butyl alcohol (M)

6.45min 1029.65ppb m

response 345217

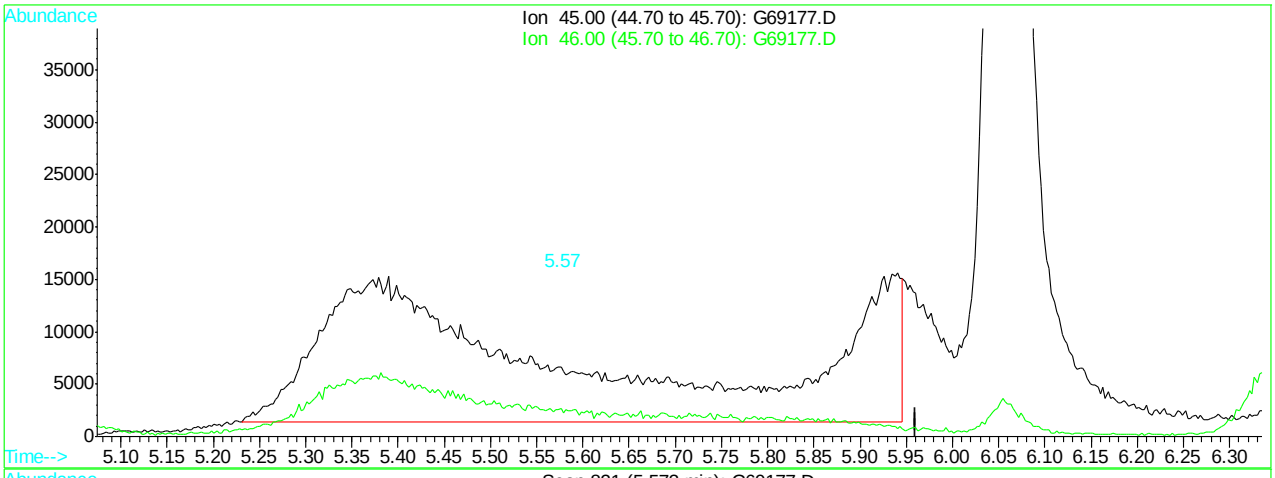
| Ion | Exp% | Act% |
|---|---|---|
| 59.00 | 100 | 100 |
| 41.00 | 27.00 | 29.46 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

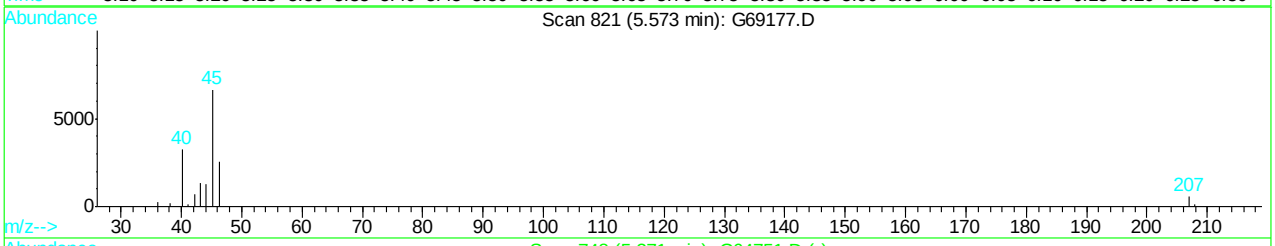
G69177.D G042507.M Thu Apr 26 07:52:45 2007 RP1

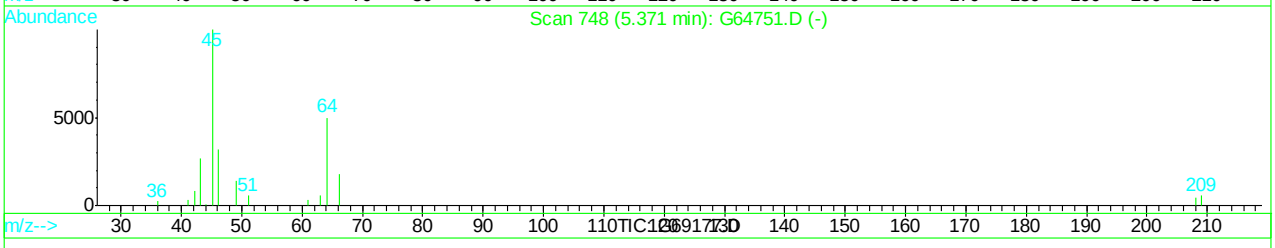
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69177.D  Vial: 11
Acq On : 25 Apr 2007 8:22 pm  Operator: KIMT
Sample : ICC2782-100  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 7:52 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 07:52:13 2007
Response via : Multiple Level Calibration




(4) Ethanol (T)

5.57min 11143.95ppb

response 275296

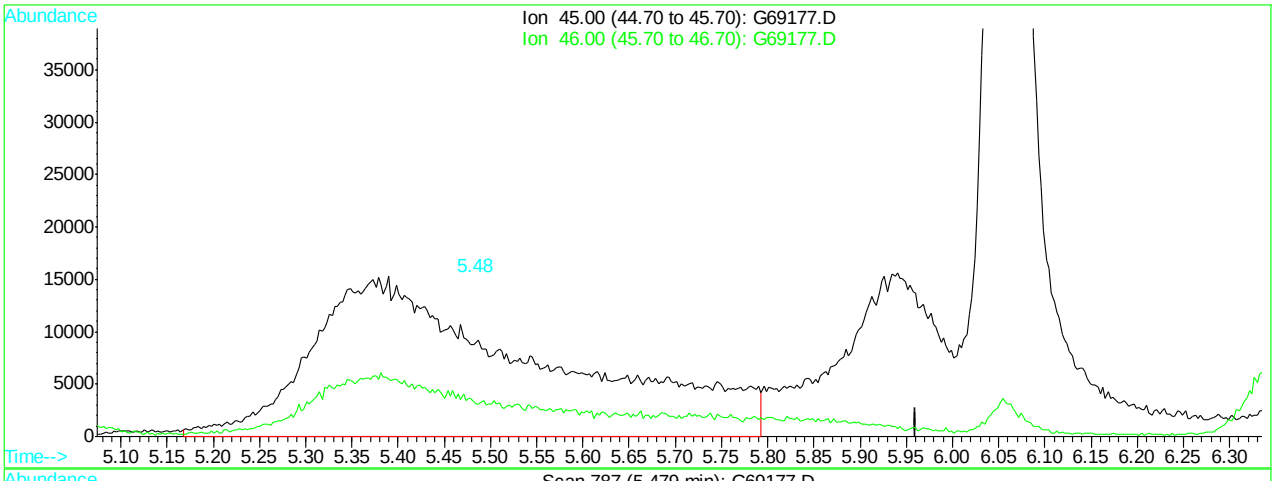
| Ion | Exp% | Act% |
|---|---|---|
| 45.00 | 100 | 100 |
| 46.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

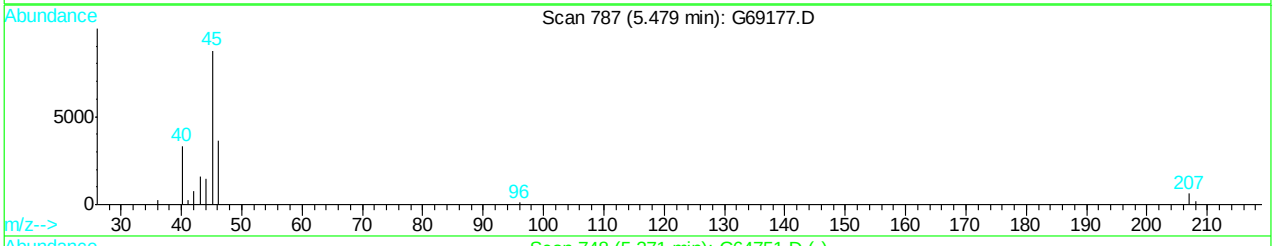
G69177.D G042507.M Thu Apr 26 07:52:52 2007 RP1

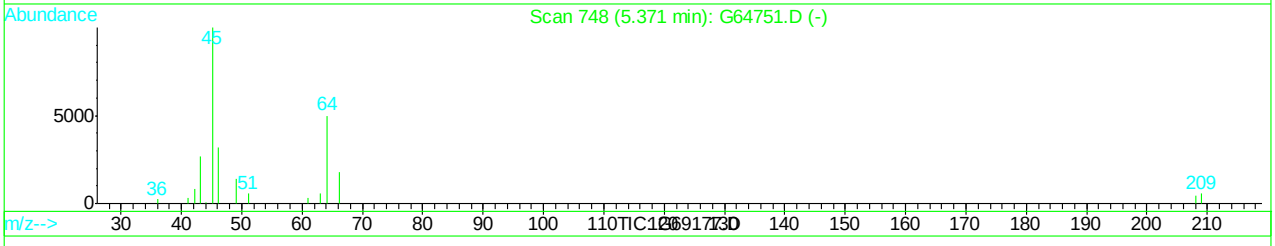
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69177.D  Vial: 11
Acq On : 25 Apr 2007 8:22 pm  Operator: KIMT
Sample : ICC2782-100  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 7:52 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 07:52:13 2007
Response via : Multiple Level Calibration




(4) Ethanol (T)

5.48min 10566.87ppb m

response 261040

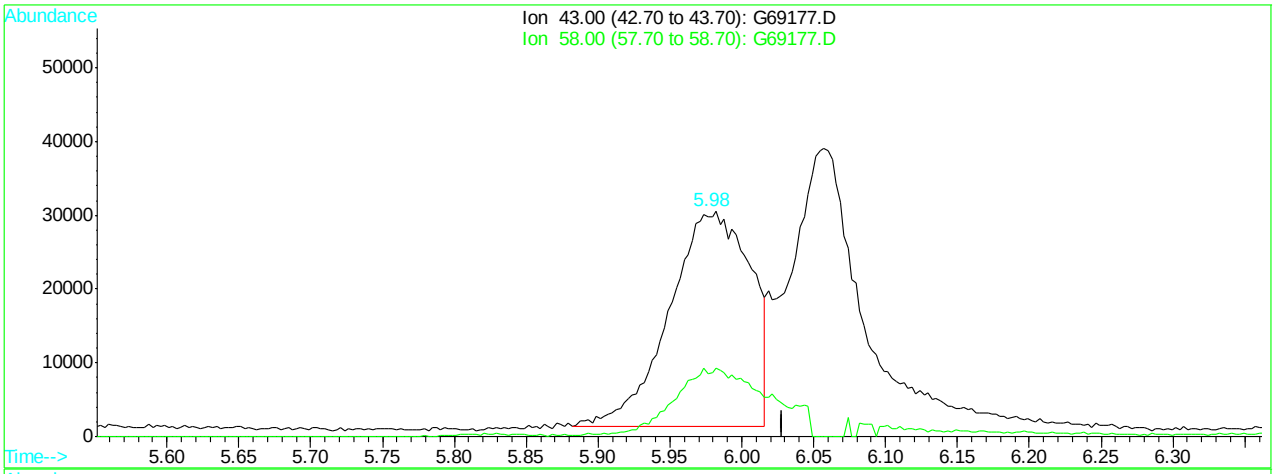
| Ion | Exp% | Act% |
|---|---|---|
| 45.00 | 100 | 100 |
| 46.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

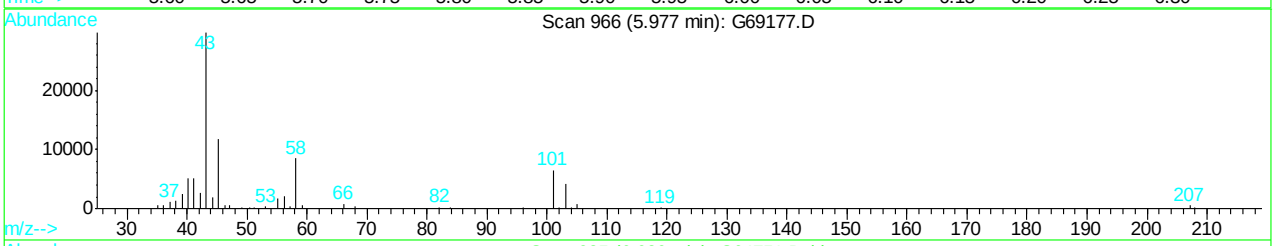
G69177.D G042507.M Thu Apr 26 07:53:00 2007 RP1

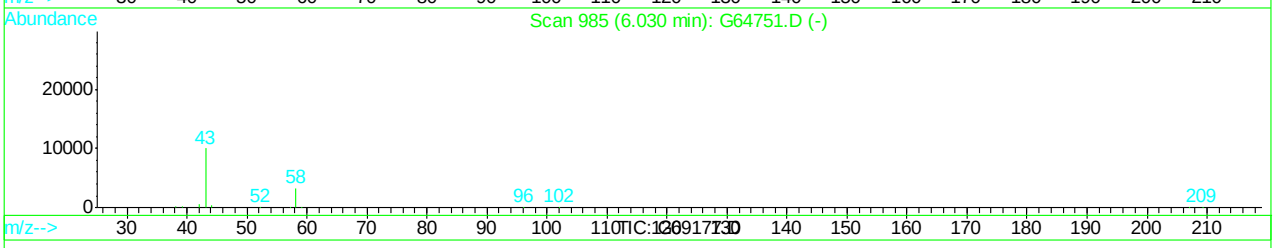
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69177.D  Vial: 11
Acq On : 25 Apr 2007 8:22 pm  Operator: KIMT
Sample : ICC2782-100  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 7:52 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 07:52:13 2007
Response via : Multiple Level Calibration




(16) acetone (M)

5.98min 90.32ppb

response 114259

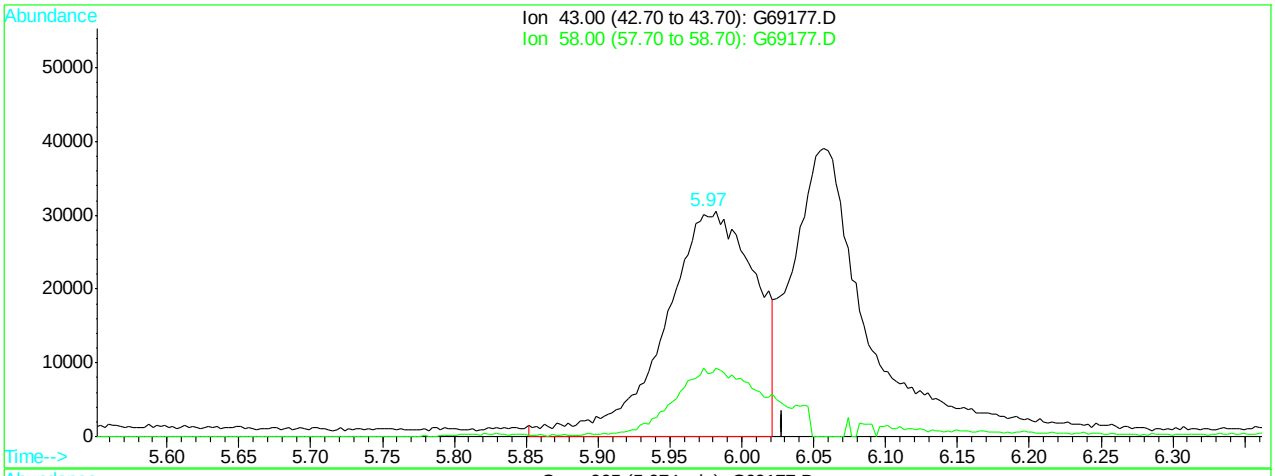
| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 58.00 | 30.00 | 29.36 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

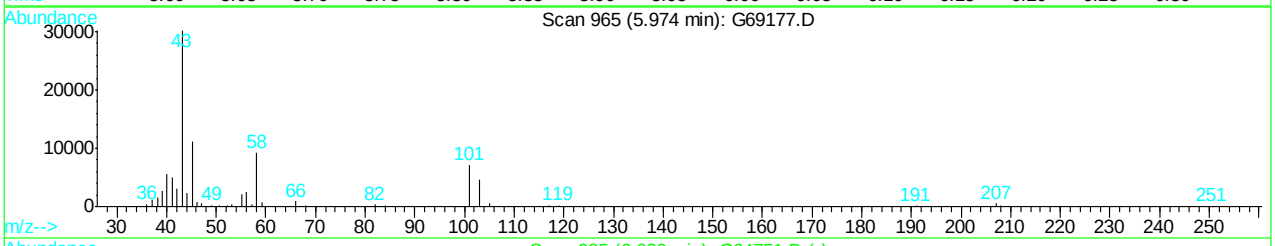
G69177.D G042507.M Thu Apr 26 07:53:17 2007 RP1

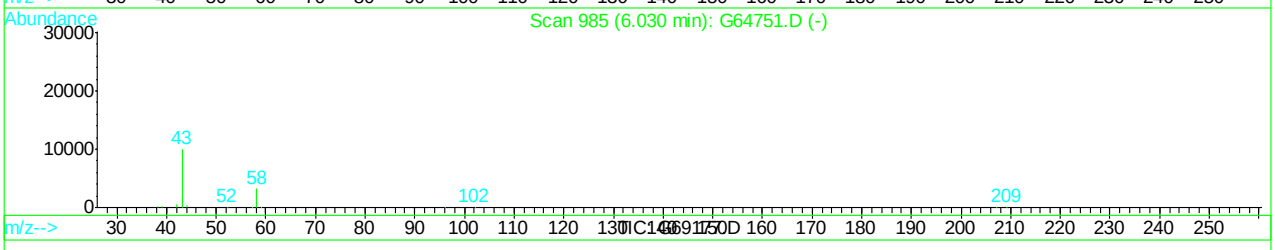
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69177.D Vial: 11
Acq On : 25 Apr 2007 8:22 pm Operator: KIMT
Sample : ICC2782-100 Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 7:53 2007 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 07:52:13 2007
Response via : Multiple Level Calibration




(16) acetone (M)

5.97min 106.57ppb m

response 134818

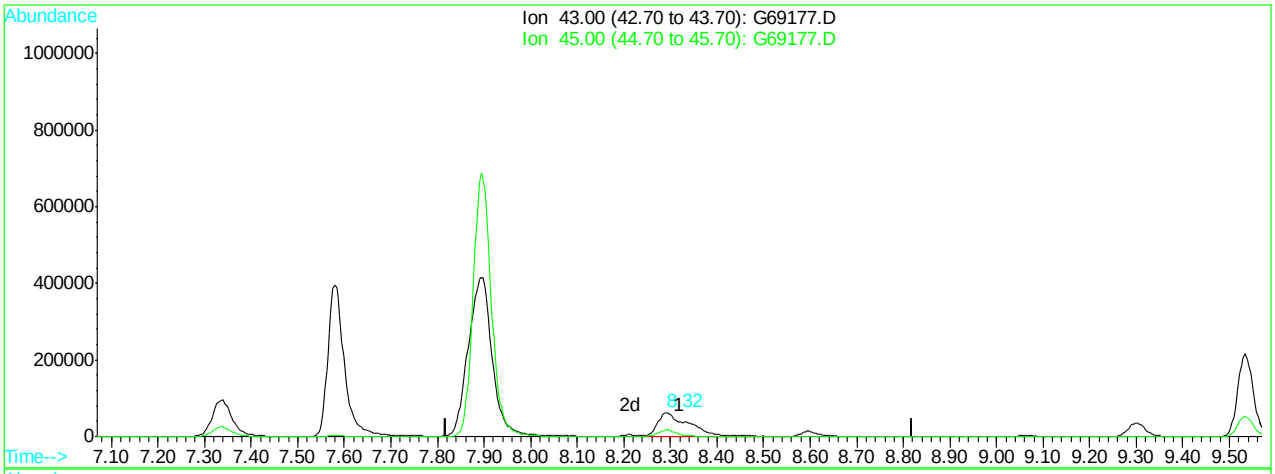
| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 58.00 | 30.00 | 30.55 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

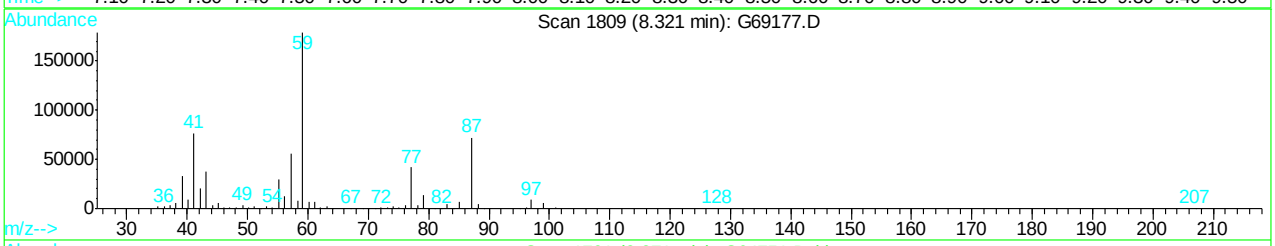
G69177.D G042507.M Thu Apr 26 07:53:27 2007 RP1

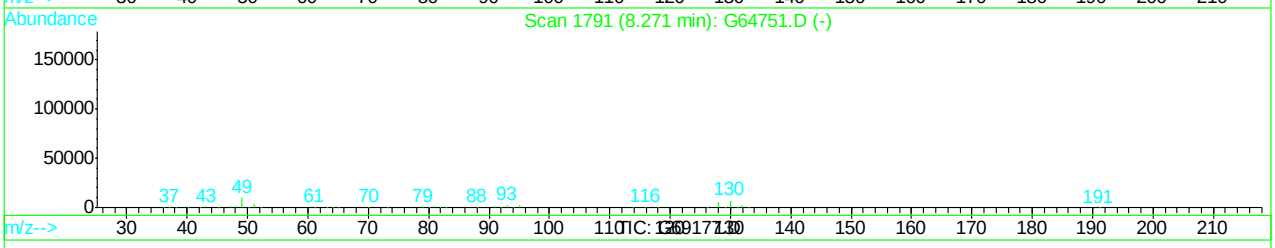
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69177.D  Vial: 11
Acq On : 25 Apr 2007 8:22 pm  Operator: KIMT
Sample : ICC2782-100  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 7:53 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 07:59:55 2007
Response via : Multiple Level Calibration




(37) ethyl acetate (M)

8.32min 104.84ppb

response 286111

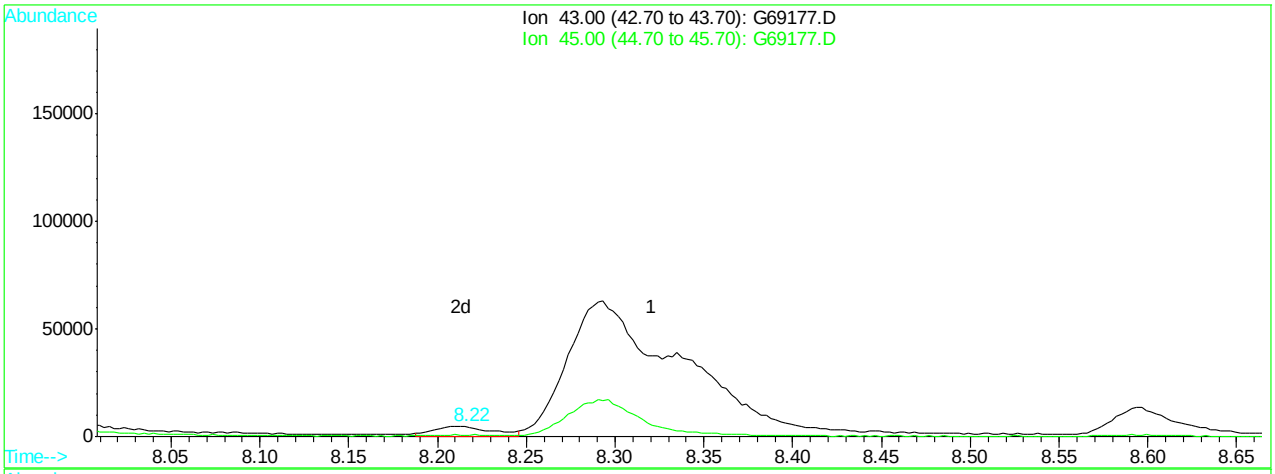
| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 45.00 | 15.30 | 14.20 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

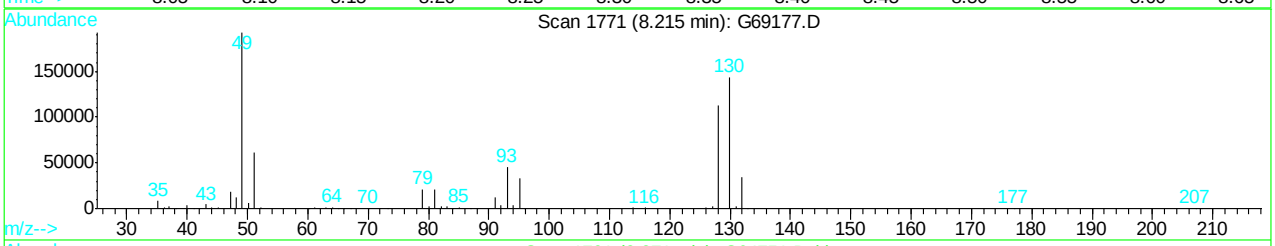
G69177.D G042507.M Thu Apr 26 08:00:19 2007 RP1

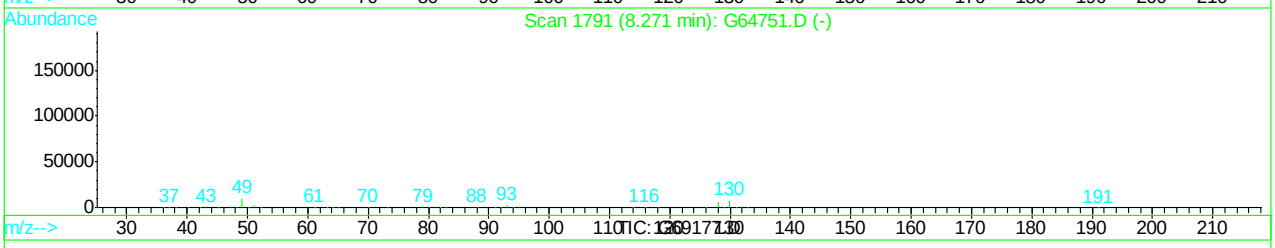
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69177.D  Vial: 11
Acq On : 25 Apr 2007 8:22 pm  Operator: KIMT
Sample : ICC2782-100  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 8:00 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 07:59:55 2007
Response via : Multiple Level Calibration




(37) ethyl acetate (M)

8.22min 4.05ppb m

response 11053

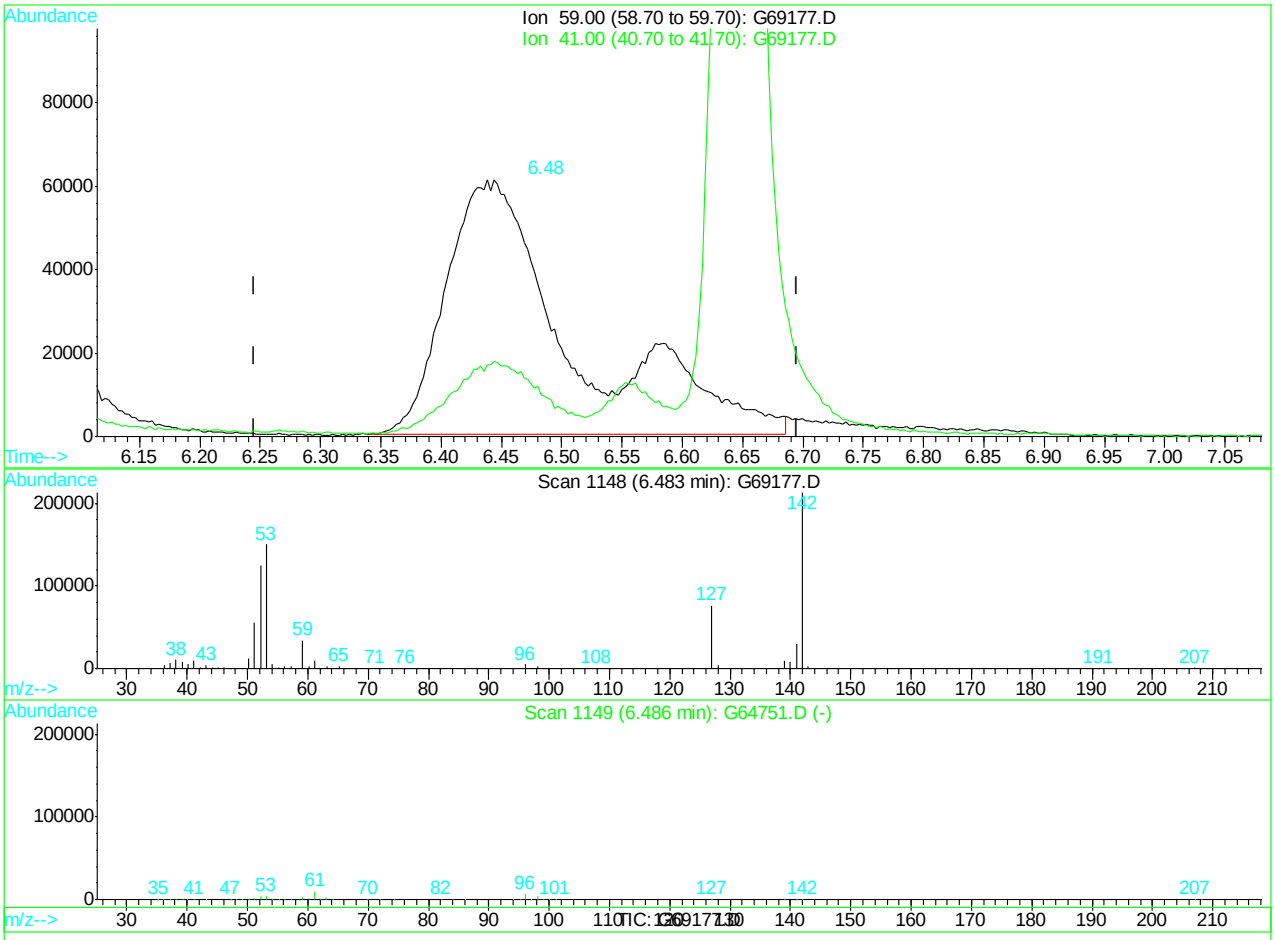
| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 45.00 | 15.30 | 16.39 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

G69177.D G042507.M Thu Apr 26 08:00:27 2007 RP1

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69177.D  Vial: 11
Acq On : 25 Apr 2007 8:22 pm  Operator: KIMT
Sample : ICC2782-100  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 9:06 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 08:46:25 2007
Response via : Multiple Level Calibration




(2) tertiary butyl alcohol (M)

6.48min 1197.69ppb

response 437398

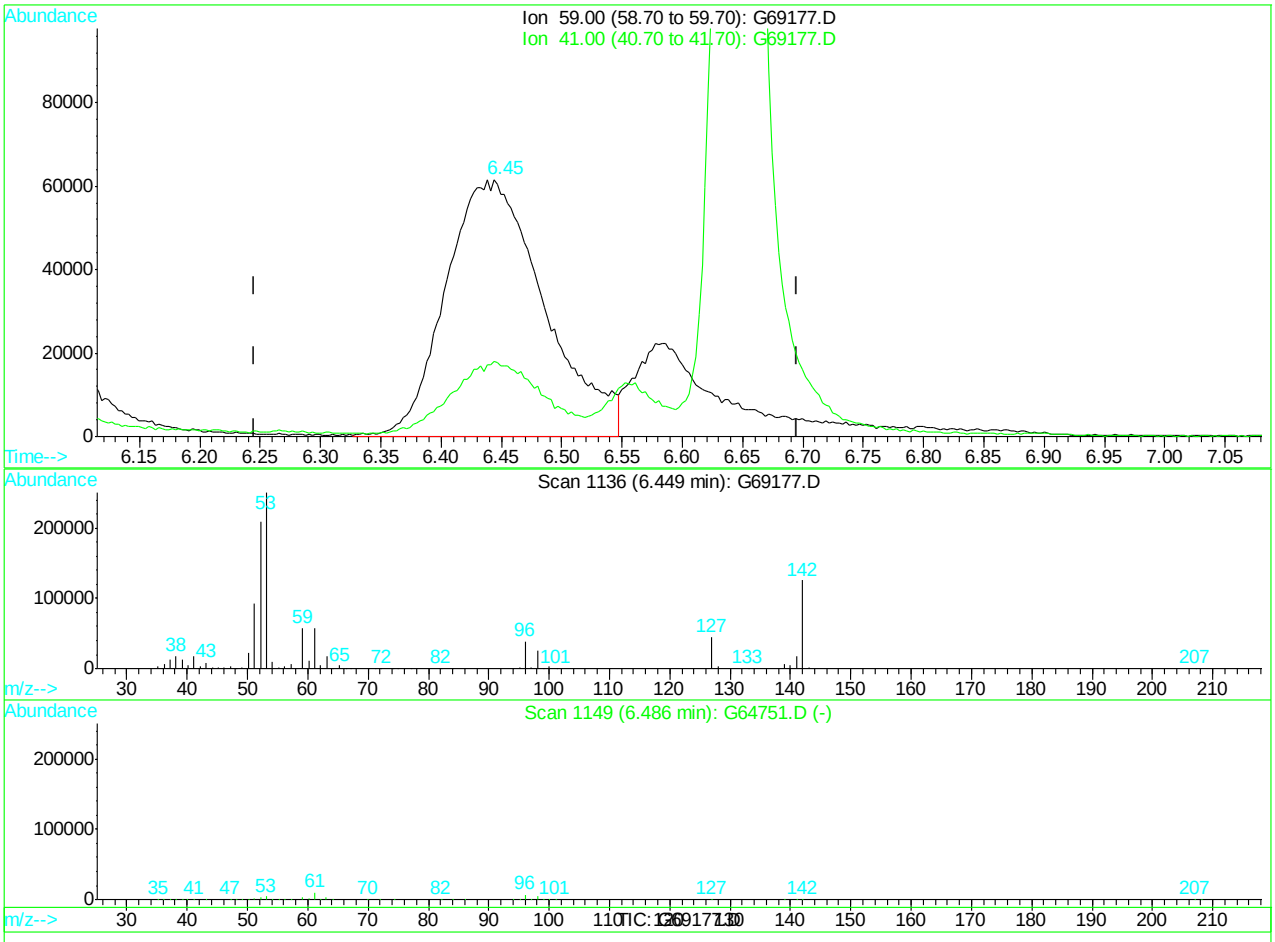
| Ion | Exp% | Act% |
|---|---|---|
| 59.00 | 100 | 100 |
| 41.00 | 29.50 | 27.31 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

G69177.D G042507W.M Thu Apr 26 09:06:51 2007 RP1

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69177.D  Vial: 11
Acq On : 25 Apr 2007 8:22 pm  Operator: KIMT
Sample : ICC2782-100  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 9:06 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 08:46:25 2007
Response via : Multiple Level Calibration




(2) tertiary butyl alcohol (M)

6.45min 954.30ppb m

response 348511

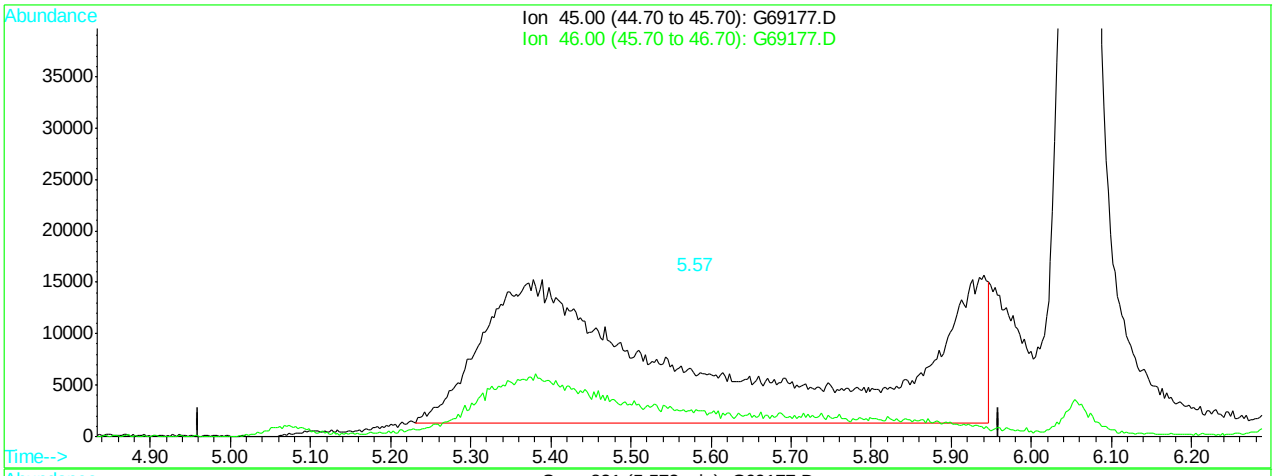
| Ion | Exp% | Act% |
|---|---|---|
| 59.00 | 100 | 100 |
| 41.00 | 29.50 | 29.07 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

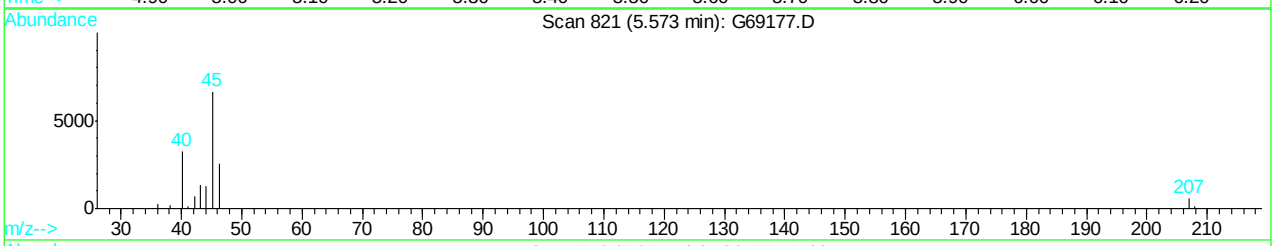
G69177.D G042507W.M Thu Apr 26 09:06:57 2007 RP1

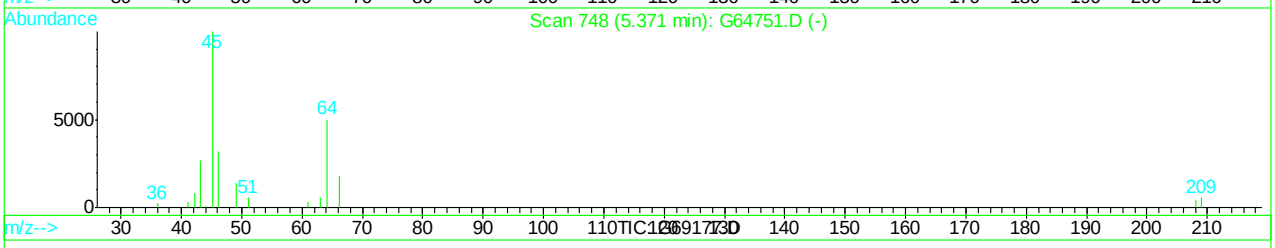
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69177.D  Vial: 11
Acq On : 25 Apr 2007 8:22 pm  Operator: KIMT
Sample : ICC2782-100  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 9:06 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 08:46:25 2007
Response via : Multiple Level Calibration




(4) Ethanol (T)

5.57min 10956.75ppb

response 275296

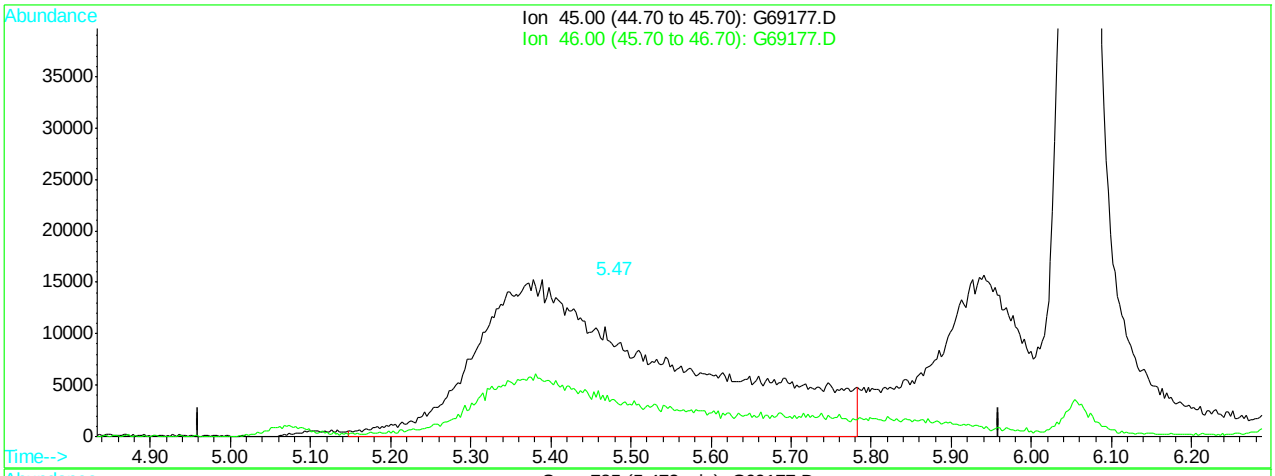
| Ion | Exp% | Act% |
|---|---|---|
| 45.00 | 100 | 100 |
| 46.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

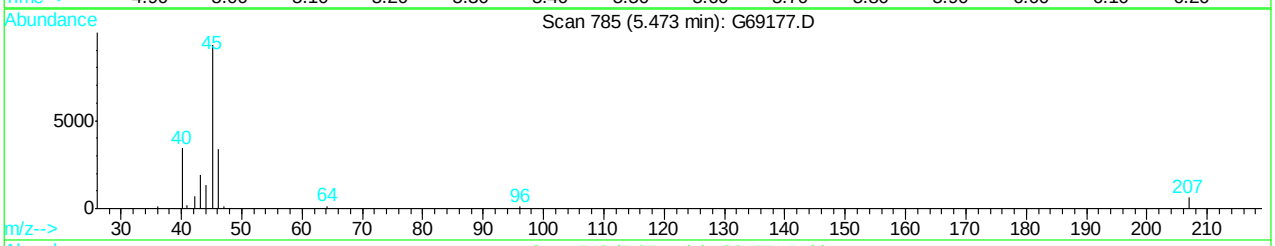
G69177.D G042507W.M Thu Apr 26 09:07:05 2007 RP1

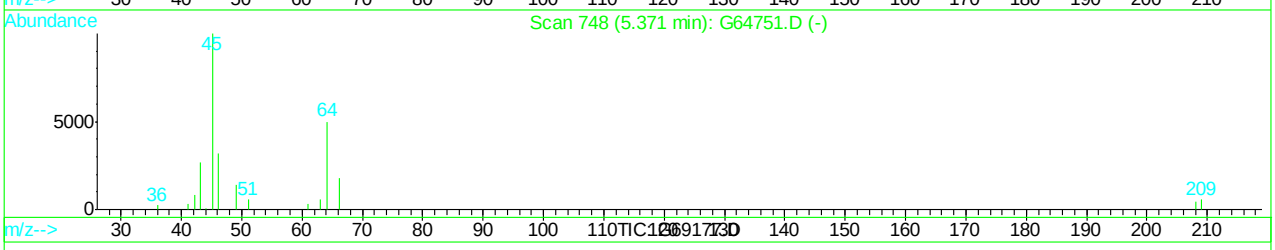
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69177.D  Vial: 11
Acq On : 25 Apr 2007 8:22 pm  Operator: KIMT
Sample : ICC2782-100  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 9:07 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 08:46:25 2007
Response via : Multiple Level Calibration




(4) Ethanol (T)

5.47min 10283.50ppb m

response 258656

| Ion | Exp% | Act% |
|---|---|---|
| 45.00 | 100 | 100 |
| 46.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

G69177.D G042507W.M Thu Apr 26 09:07:10 2007 RP1

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
04/27/07 13:57

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69178.D Vial: 12
Acq On : 25 Apr 2007 8:49 pm Operator: KIMT
Sample : IC2782-50 Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 7:56 2007 Quant Results File: G042507.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 07:42:36 2007
Response via : Initial Calibration
DataAcq Meth : G8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 6.39 | 65 | 150990 | 500.00 | ppb | 0.00 |
| 3) pentafluorobenzene | 8.74 | 168 | 479347 | 50.00 | ppb | 0.00 |
| 43) 1,4-difluorobenzene | 9.61 | 114 | 665772 | 50.00 | ppb | 0.00 |
| 66) chlorobenzene-d5 | 12.86 | 82 | 343196 | 50.00 | ppb | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 15.42 | 152 | 388720 | 50.00 | ppb | 0.00 |

System Monitoring Compounds

| | | | | | | |
|---|---|---|---|---|---|---|
| 40) dibromofluoromethane (s) | 8.38 | 113 | 205380 | 49.29 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 83 - 127 | | Recovery = 98.58% | | | |
| 60) toluene-d8 (s) | 11.40 | 98 | 802598 | 49.39 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 89 - 112 | | Recovery = 98.78% | | | |
| 82) bromofluorobenzene (s) | 14.09 | 95 | 314077 | 47.25 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 81 - 119 | | Recovery = 94.50% | | | |

Target Compounds

| | | | | | | | Qvalue |
|---|---|---|---|---|---|---|---|
| 2) tertiary butyl alcohol | 6.45 | 59 | 176136m | 540.80 | ppb | | |
| 4) Ethanol | 5.47 | 45 | 143605m | 6049.34 | ppb | | |
| 5) dichlorodifluoromethane | 4.14 | 85 | 225355 | 47.40 | ppb | | 96 |
| 6) chloromethane | 4.34 | 50 | 263085 | 56.81 | ppb | | 99 |
| 7) vinyl chloride | 4.61 | 62 | 243256 | 53.79 | ppb | | 99 |
| 8) bromomethane | 5.07 | 96 | 183819 | 50.10 | ppb | | 98 |
| 9) chloroethane | 5.22 | 64 | 165337 | 48.42 | ppb | | 97 |
| 10) ethyl ether | 6.07 | 59 | 202786 | 48.81 | ppb | | 100 |
| 11) acetonitrile | 5.78 | 41 | 21853 | 34.93 | ppb | | 91 |
| 12) trichlorofluoromethane | 5.87 | 101 | 271123 | 47.37 | ppb | | 98 |
| 13) freon-113 | 6.63 | 101 | 188572 | 46.39 | ppb | | 99 |
| 14) acrolein | 5.84 | 56 | 195620 | 246.47 | ppb | | 100 |
| 15) 1,1-dichloroethene | 6.42 | 96 | 203589 | 46.98 | ppb | | 98 |
| 16) acetone | 5.98 | 43 | 59206m | 48.70 | ppb | | |
| 17) Methyl Acetate | 6.61 | 43 | 342400 | 49.03 | ppb | | 98 |
| 18) methylene chloride | 6.56 | 84 | 250508 | 49.00 | ppb | | 97 |
| 19) methyl tert butyl ether | 7.34 | 73 | 663104 | 48.30 | ppb | | 99 |
| 20) acrylonitrile | 6.48 | 53 | 499067 | 256.84 | ppb | | 100 |
| 21) allyl chloride | 6.65 | 41 | 369719 | 51.12 | ppb | | 95 |
| 22) trans-1,2-dichloroethene | 7.24 | 96 | 228556 | 48.21 | ppb | | 97 |
| 23) iodomethane | 6.48 | 142 | 389565 | 46.80 | ppb | | 100 |
| 24) carbon disulfide | 6.84 | 76 | 643222 | 49.30 | ppb | | 99 |
| 25) propionitrile | 6.47 | 54 | 18056 | 49.04 | ppb | | 100 |
| 26) vinyl acetate | 7.59 | 43 | 427597 | 42.26 | ppb | | 99 |
| 27) chloroprene | 7.85 | 53 | 300168 | 49.25 | ppb | | 93 |
| 28) di-isopropyl ether | 7.90 | 45 | 873588 | 53.10 | ppb | | 93 |
| 29) methacrylonitrile | 8.01 | 41 | 166446 | 49.40 | ppb | | 98 |
| 30) 2-butanone | 7.92 | 72 | 28206 | 43.56 | ppb | # | 4 |
| 31) Hexane | 7.88 | 41 | 337652 | 50.35 | ppb | | 87 |
| 32) 1,1-dichloroethane | 7.49 | 63 | 407891 | 49.36 | ppb | | 99 |
| 33) tert-butyl ethyl ether | 8.30 | 59 | 753818 | 49.22 | ppb | | 96 |
| 34) isobutyl alcohol | 8.32 | 43 | 128612 | 245.20 | ppb | # | 70 |
| 35) 2,2-dichloropropane | 8.36 | 77 | 250124 | 44.48 | ppb | | 99 |
| 36) cis-1,2-dichloroethene | 8.06 | 96 | 258628 | 48.38 | ppb | | 99 |
| 37) ethyl acetate | 8.22 | 43 | 5057m | 1.93 | ppb | | |

(#) = qualifier out of range (m) = manual integration
G69178.D G042507.M Thu Apr 26 08:59:39 2007 RP1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69178.D Vial: 12
Acq On : 25 Apr 2007 8:49 pm Operator: KIMT
Sample : IC2782-50 Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 7:56 2007 Quant Results File: G042507.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 07:42:36 2007
Response via : Initial Calibration
DataAcq Meth : G8260

| | Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|---|---|---|---|---|---|---|---|
| 38) | bromochloromethane | 8.22 | 128 | 127916 | 47.18 | ppb | 94 |
| 39) | chloroform | 8.26 | 83 | 392969 | 48.26 | ppb | 98 |
| 41) | Tetrahydrofuran | 8.62 | 42 | 74891 | 47.00 | ppb | 99 |
| 42) | 1,1,1-trichloroethane | 9.02 | 97 | 319367 | 46.96 | ppb | 99 |
| 44) | Cyclohexane | 9.30 | 56 | 379341 | 48.51 | ppb | 96 |
| 45) | carbon tetrachloride | 9.38 | 117 | 292079 | 47.01 | ppb | 98 |
| 46) | 1,1-dichloropropene | 9.18 | 75 | 289573 | 47.44 | ppb | 99 |
| 47) | benzene | 9.41 | 78 | 923491 | 49.40 | ppb | 100 |
| 48) | 1,2-dichloroethane | 8.91 | 62 | 277640 | 47.84 | ppb | 99 |
| 49) | tert-amyl methyl ether | 9.54 | 73 | 706004 | 48.47 | ppb | 98 |
| 50) | heptane | 9.89 | 43 | 305944 | 49.08 | ppb | 95 |
| 51) | trichloroethene | 10.03 | 95 | 227567 | 47.05 | ppb | 98 |
| 52) | 1,2-dichloropropane | 9.99 | 63 | 228233 | 49.37 | ppb | 99 |
| 53) | dibromomethane | 9.97 | 93 | 143129 | 48.08 | ppb | 97 |
| 54) | bromodichloromethane | 10.08 | 83 | 314196 | 48.12 | ppb | 99 |
| 55) | Methylcyclohexane | 10.55 | 83 | 386267 | 47.04 | ppb | 96 |
| 56) | 2-chloroethyl vinyl ether | 10.45 | 63 | 137218 | 45.95 | ppb | 99 |
| 57) | methyl methacrylate | 10.18 | 69 | 171750 | 49.34 | ppb | 94 |
| 58) | 1,4-dioxane | 10.26 | 88 | 8689 | 304.90 | ppb | 85 |
| 59) | cis-1,3-dichloropropene | 10.70 | 75 | 364965 | 47.95 | ppb | 97 |
| 61) | 4-methyl-2-pentanone | 10.79 | 43 | 251806 | 50.71 | ppb | 99 |
| 62) | toluene | 11.48 | 92 | 587699 | 48.51 | ppb | 99 |
| 63) | trans-1,3-dichloropropene | 11.12 | 75 | 311126 | 47.50 | ppb | 98 |
| 64) | 1,1,2-trichloroethane | 11.29 | 83 | 175469 | 48.16 | ppb | 99 |
| 65) | ethyl methacrylate | 11.50 | 69 | 330876 | 51.48 | ppb | 86 |
| 67) | tetrachloroethene | 12.22 | 166 | 277832 | 45.01 | ppb | 98 |
| 68) | 1,3-dichloropropane | 11.52 | 76 | 361078 | 49.01 | ppb | 98 |
| 69) | dibromochloromethane | 11.81 | 129 | 260453 | 47.79 | ppb | 99 |
| 70) | 1,2-dibromoethane | 12.06 | 107 | 223029 | 47.88 | ppb | 98 |
| 71) | 2-hexanone | 11.65 | 43 | 181744 | 51.58 | ppb | 99 |
| 72) | chlorobenzene | 12.90 | 112 | 682634 | 47.50 | ppb | 98 |
| 73) | 1,1,1,2-tetrachloroethane | 12.81 | 131 | 239716 | 44.19 | ppb | 99 |
| 74) | ethylbenzene | 13.07 | 91 | 1135947 | 49.19 | ppb | 96 |
| 75) | m,p-xylene | 13.26 | 106 | 907121 | 99.98 | ppb | 96 |
| 76) | o-xylene | 13.67 | 106 | 450540 | 48.68 | ppb | 98 |
| 77) | styrene | 13.60 | 104 | 768234 | 48.54 | ppb | 99 |
| 78) | bromoform | 13.42 | 173 | 210825 | 46.98 | ppb | 98 |
| 79) | trans-1,4-dichloro-2-buten | 13.82 | 53 | 73959 | 47.52 | ppb | 97 |
| 81) | isopropylbenzene | 14.03 | 105 | 1043184 | 45.92 | ppb | 96 |
| 83) | bromobenzene | 14.32 | 156 | 336701 | 42.96 | ppb | 92 |
| 84) | 1,1,2,2-tetrachloroethane | 13.67 | 83 | 298105 | 47.88 | ppb | 99 |
| 85) | 1,2,3-trichloropropane | 13.82 | 75 | 331001 | 45.15 | ppb | 99 |
| 86) | n-propylbenzene | 14.48 | 91 | 1386513 | 47.53 | ppb | 94 |
| 87) | 2-chlorotoluene | 14.60 | 91 | 823971 | 46.32 | ppb | 93 |
| 88) | 4-chlorotoluene | 14.67 | 91 | 836733 | 46.28 | ppb | 95 |
| 89) | 1,3,5-trimethylbenzene | 14.76 | 105 | 996571 | 48.81 | ppb | 95 |
| 90) | tert-butylbenzene | 15.17 | 91 | 99611 | 48.42 | ppb | 100 |
| 91) | 1,2,4-trimethylbenzene | 15.17 | 105 | 1036458 | 49.55 | ppb | 97 |
| 92) | sec-butylbenzene | 15.29 | 105 | 1328077 | 53.32 | ppb | 96 |

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69178.D Vial: 12
Acq On : 25 Apr 2007 8:49 pm Operator: KIMT
Sample : IC2782-50 Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 7:56 2007 Quant Results File: G042507.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 07:42:36 2007
Response via : Initial Calibration
DataAcq Meth : G8260

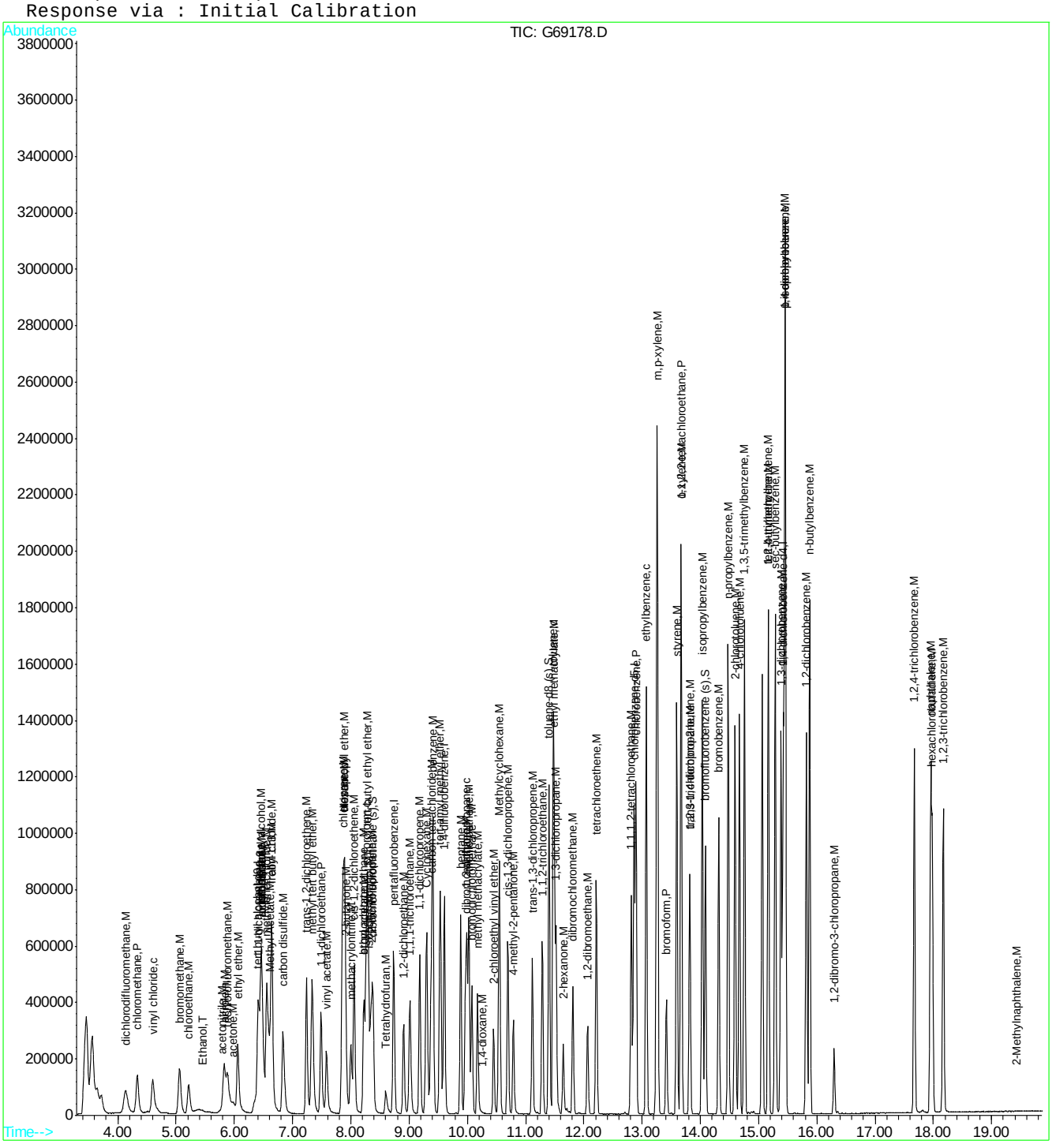
| | Compound | R.T. | QIon | Response | Conc | Unit | | Qvalue |
|---|---|---|---|---|---|---|---|---|
| 93) | 1,3-dichlorobenzene | 15.39 | 146 | 640383 | 47.44 | ppb | | 99 |
| 94) | p-isopropyltoluene | 15.46 | 119 | 1156110 | 56.69 | ppb | | 97 |
| 95) | 1,4-dichlorobenzene | 15.45 | 146 | 672186 | 52.50 | ppb | | 97 |
| 96) | 1,2-dichlorobenzene | 15.82 | 146 | 626067 | 50.28 | ppb | | 99 |
| 97) | n-butylbenzene | 15.88 | 91 | 1057944 | 58.81 | ppb | | 95 |
| 98) | 1,2-dibromo-3-chloropropan | 16.30 | 75 | 56078 | 53.96 | ppb | | 96 |
| 99) | 1,2,4-trichlorobenzene | 17.67 | 180 | 482528 | 59.34 | ppb | | 97 |
| 100) | hexachlorobutadiene | 17.98 | 225 | 261343 | 70.86 | ppb | | 99 |
| 101) | naphthalene | 17.95 | 128 | 1069188 | 55.77 | ppb | | 100 |
| 102) | 1,2,3-trichlorobenzene | 18.17 | 180 | 418800 | 59.61 | ppb | | 100 |
| 103) | 2-Methylnaphthalene | 19.43 | 142 | 1080 | 76.27 | ppb | # | 78 |

(#) = qualifier out of range (m) = manual integration
G69178.D G042507.M Thu Apr 26 08:59:39 2007 RP1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\G69178.D  Vial: 12
Acq On : 25 Apr 2007 8:49 pm  Operator: KIMT
Sample : IC2782-50  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 7:56 2007  Quant Results File: G042507.RES

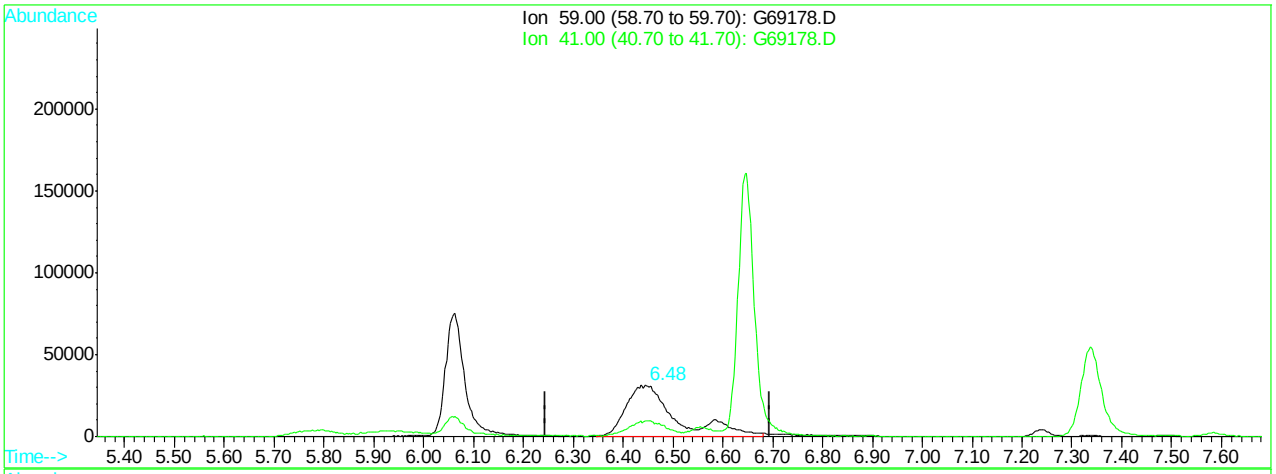
Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 08:46:25 2007
Response via : Initial Calibration

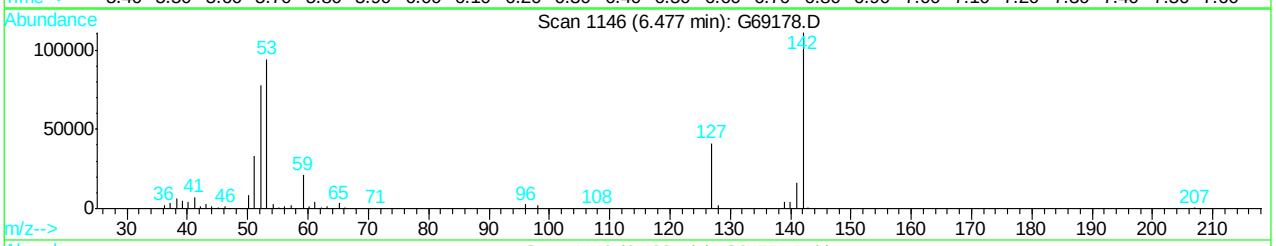


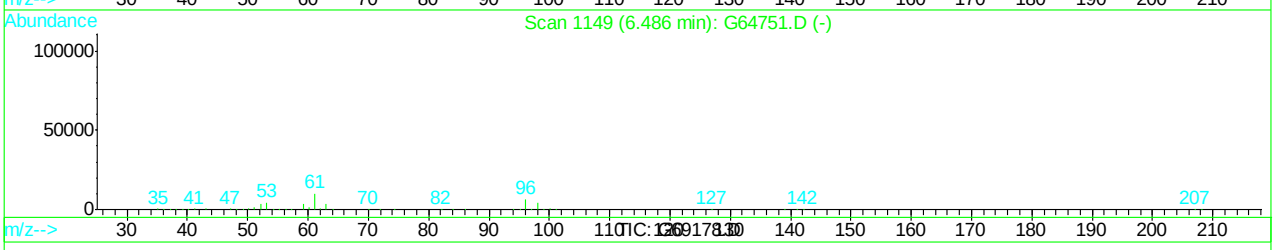
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69178.D  Vial: 12
Acq On : 25 Apr 2007 8:49 pm  Operator: KIMT
Sample : ICC2782-50  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 7:47 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 07:54:54 2007
Response via : Multiple Level Calibration




(2) tertiary butyl alcohol (M)

6.48min 654.67ppb

response 213223

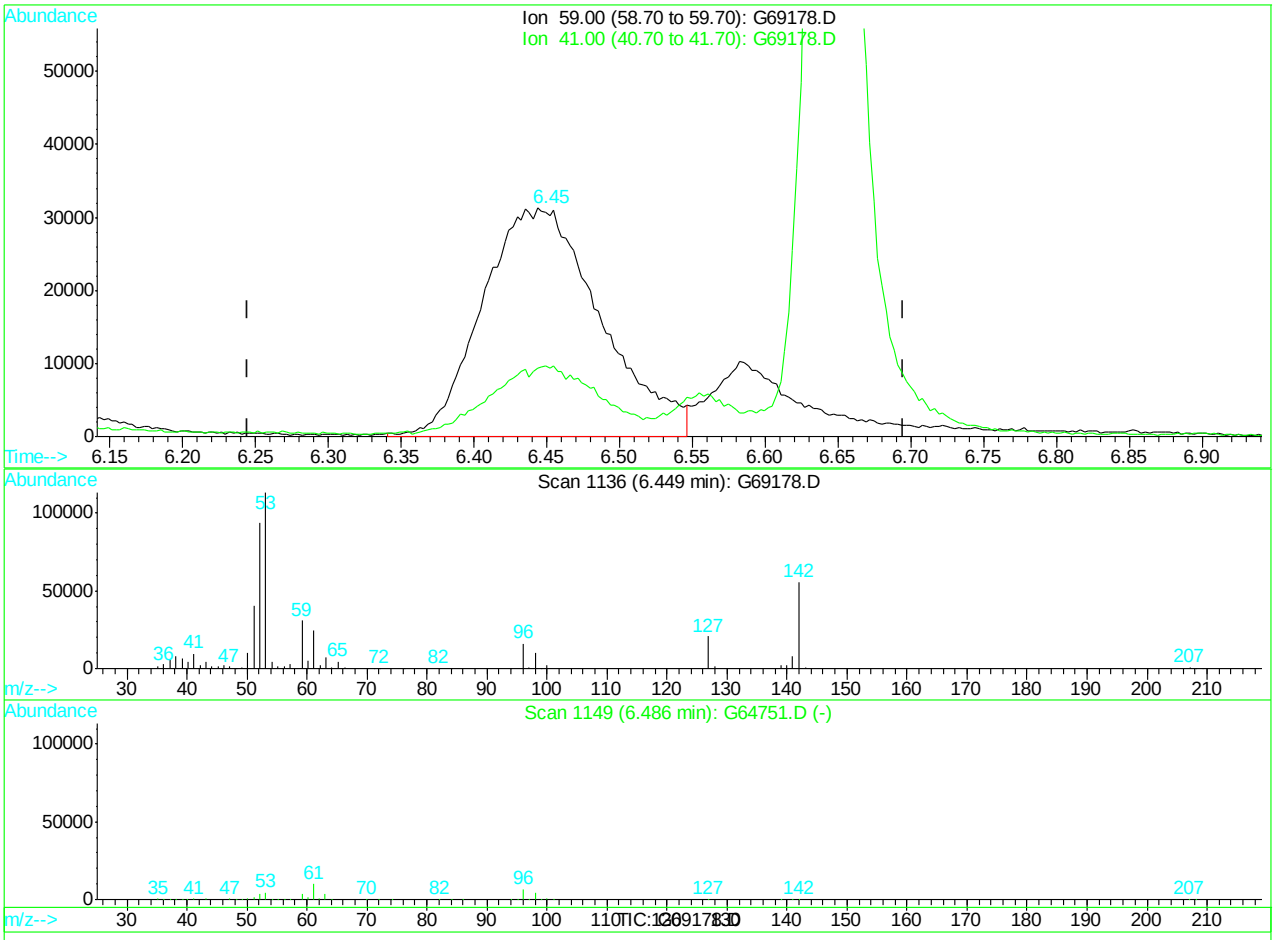
| Ion | Exp% | Act% |
|---|---|---|
| 59.00 | 100 | 100 |
| 41.00 | 27.00 | 31.85 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

G69178.D G042507.M Thu Apr 26 07:55:19 2007 RP1

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69178.D  Vial: 12
Acq On : 25 Apr 2007 8:49 pm  Operator: KIMT
Sample : ICC2782-50  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 7:55 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 07:54:54 2007
Response via : Multiple Level Calibration




(2) tertiary butyl alcohol (M)

6.45min 540.80ppb m

response 176136

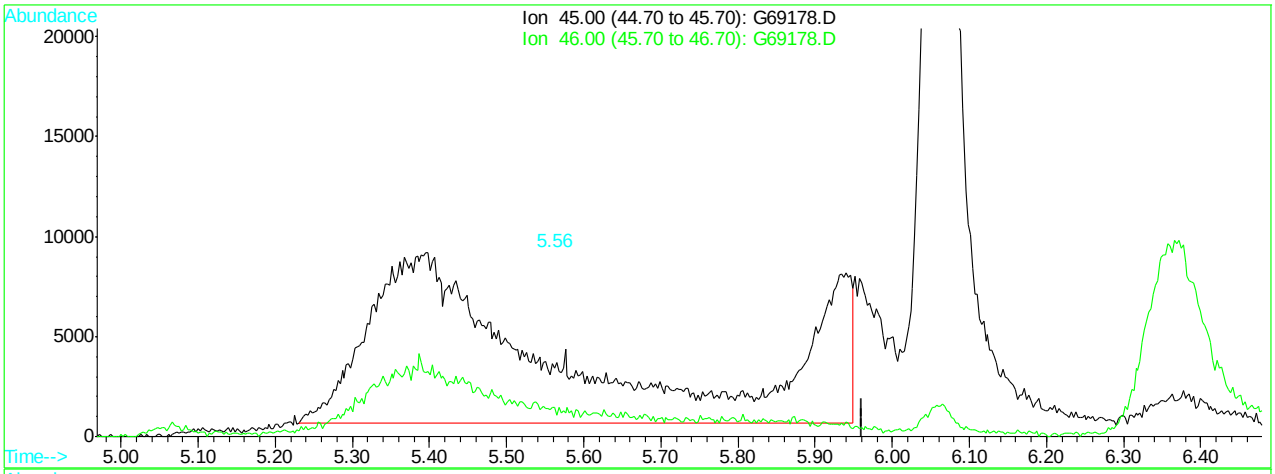
| Ion | Exp% | Act% |
|---|---|---|
| 59.00 | 100 | 100 |
| 41.00 | 27.00 | 31.52 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

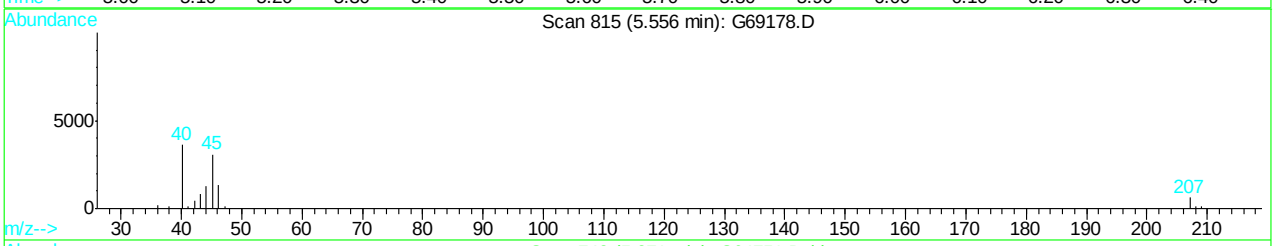
G69178.D G042507.M Thu Apr 26 07:55:28 2007 RP1

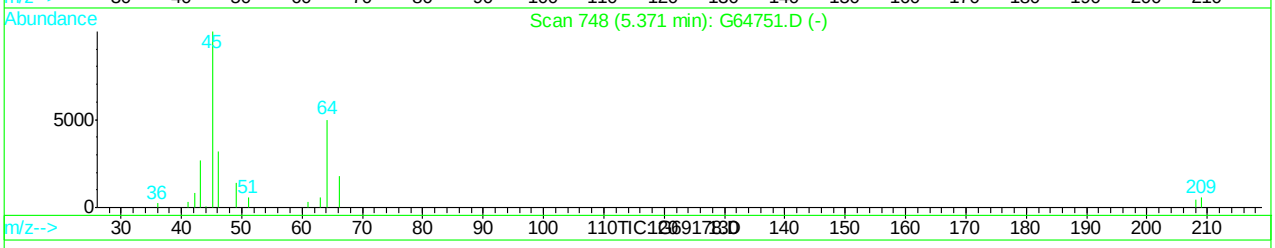
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69178.D  Vial: 12
Acq On : 25 Apr 2007 8:49 pm  Operator: KIMT
Sample : ICC2782-50  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 7:55 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 07:54:54 2007
Response via : Multiple Level Calibration




(4) Ethanol (T)

5.56min 6307.61ppb

response 149736

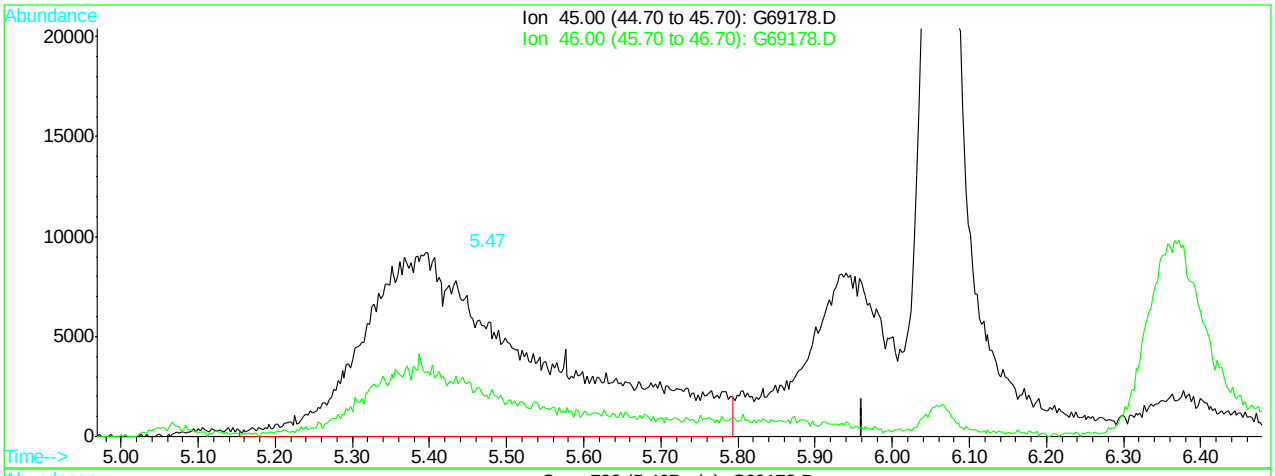
| Ion | Exp% | Act% |
|---|---|---|
| 45.00 | 100 | 100 |
| 46.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

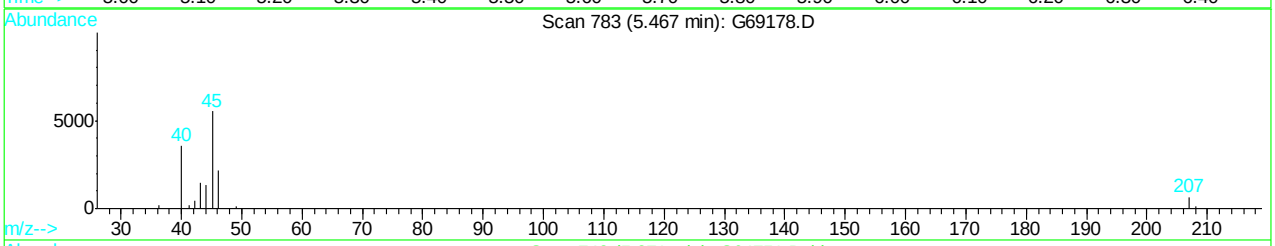
G69178.D G042507.M Thu Apr 26 07:55:36 2007 RP1

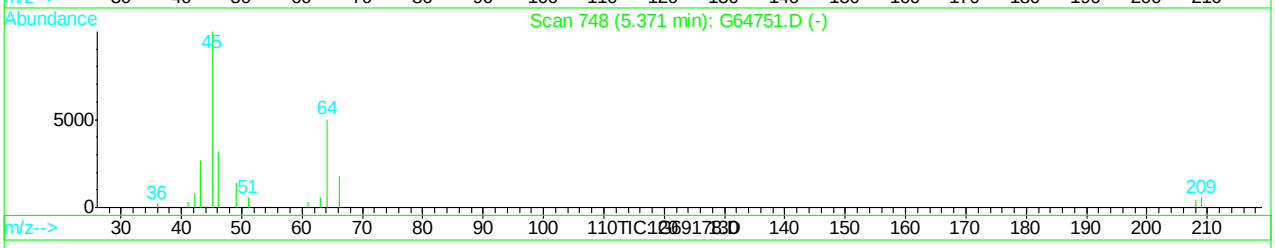
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69178.D  Vial: 12
Acq On : 25 Apr 2007 8:49 pm  Operator: KIMT
Sample : ICC2782-50  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 7:55 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 07:54:54 2007
Response via : Multiple Level Calibration




(4) Ethanol (T)

5.47min 6049.34ppb m

response 143605

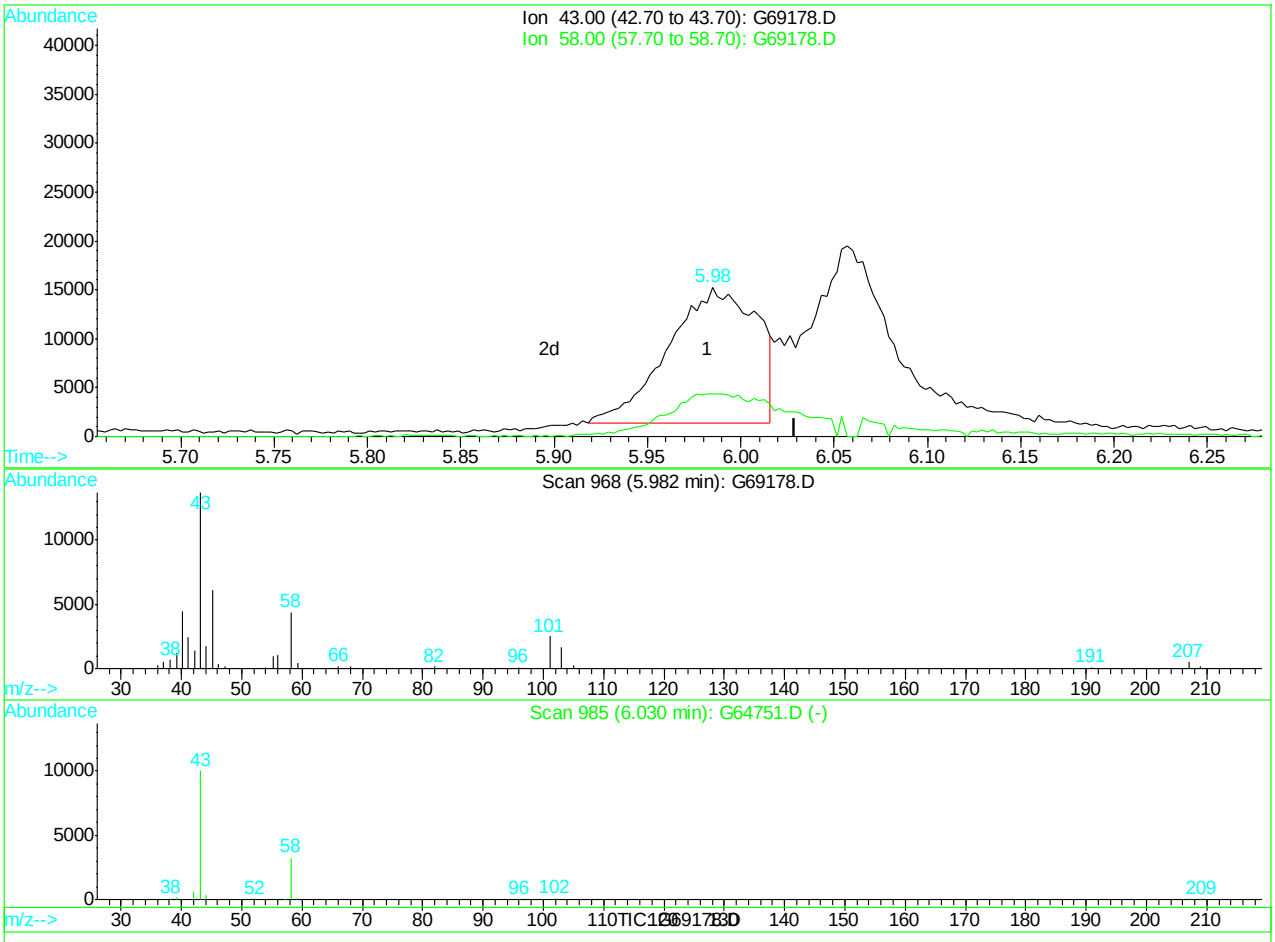
| Ion | Exp% | Act% |
|---|---|---|
| 45.00 | 100 | 100 |
| 46.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

G69178.D G042507.M Thu Apr 26 07:55:46 2007 RP1

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69178.D  Vial: 12
Acq On : 25 Apr 2007 8:49 pm  Operator: KIMT
Sample : ICC2782-50  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 7:55 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 07:54:54 2007
Response via : Multiple Level Calibration




(16) acetone (M)

5.98min 37.28ppb

response 45320

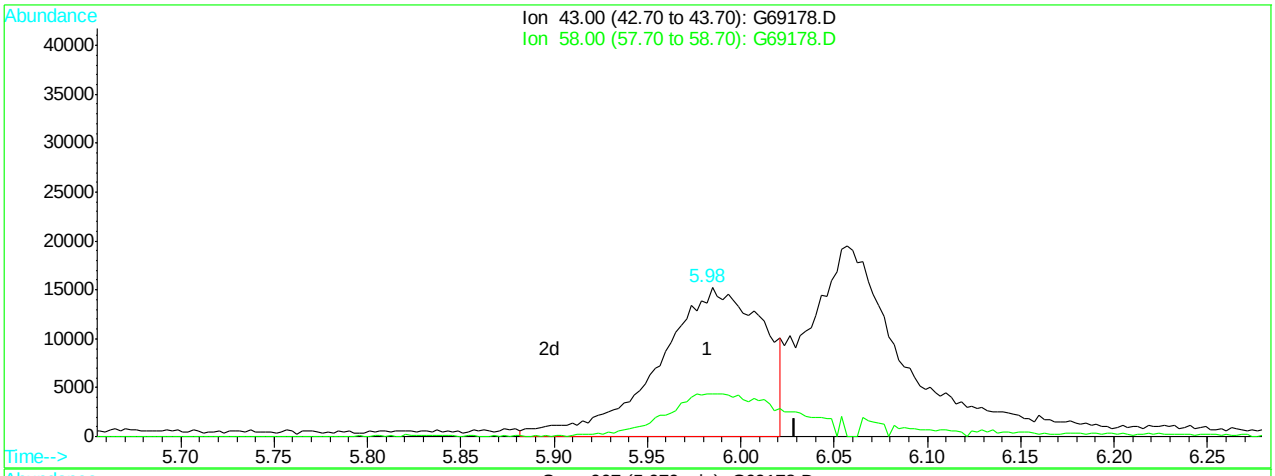
| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 58.00 | 30.00 | 34.22 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

G69178.D G042507.M Thu Apr 26 07:56:03 2007 RP1

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69178.D  Vial: 12
Acq On : 25 Apr 2007 8:49 pm  Operator: KIMT
Sample : ICC2782-50  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 7:56 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 07:54:54 2007
Response via : Multiple Level Calibration




(16) acetone (M)

5.98min 48.70ppb m

response 59206

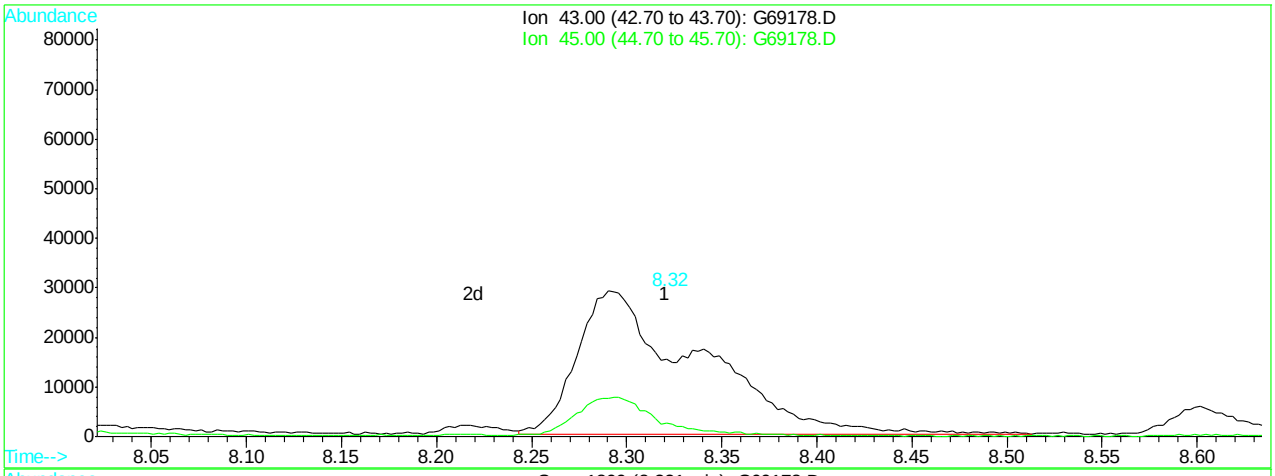
| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 58.00 | 30.00 | 30.29 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

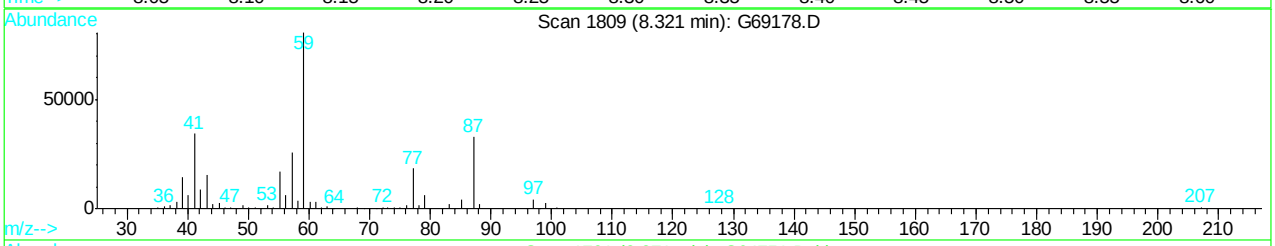
G69178.D G042507.M Thu Apr 26 07:56:10 2007 RP1

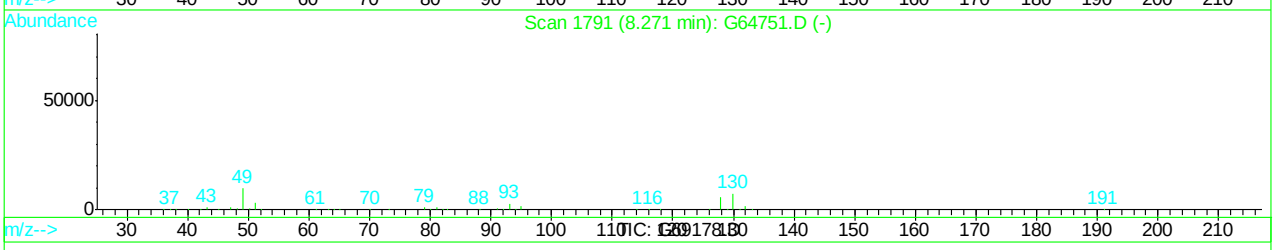
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69178.D  Vial: 12
Acq On : 25 Apr 2007 8:49 pm  Operator: KIMT
Sample : ICC2782-50  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 7:56 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 07:54:54 2007
Response via : Multiple Level Calibration




(37) ethyl acetate (M)

8.32min 49.04ppb

response 128612

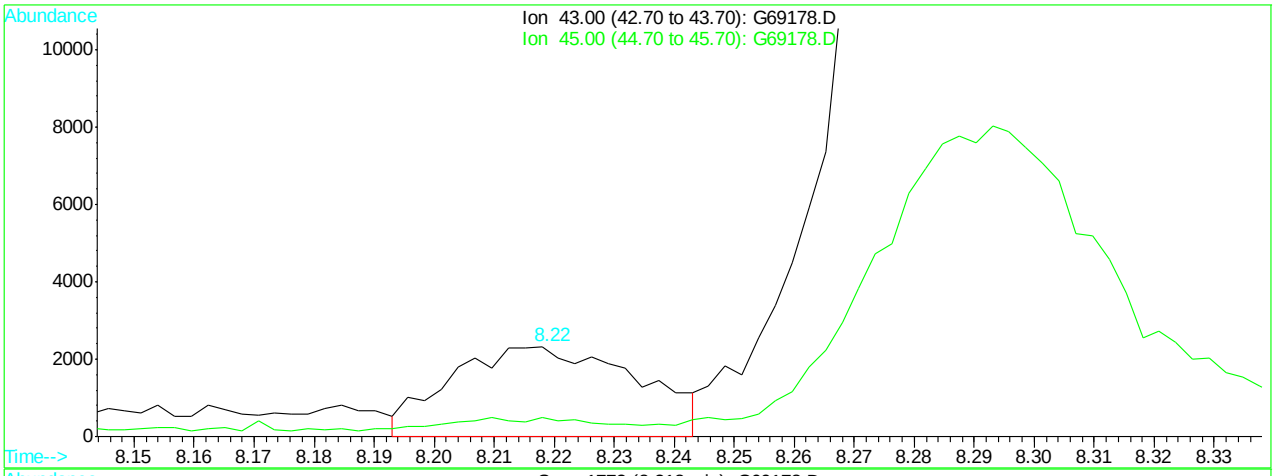
| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 45.00 | 15.30 | 16.89 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

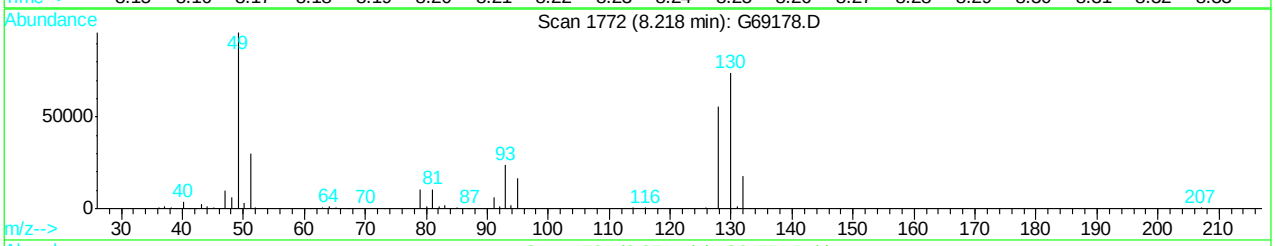
G69178.D G042507.M Thu Apr 26 07:56:37 2007 RP1

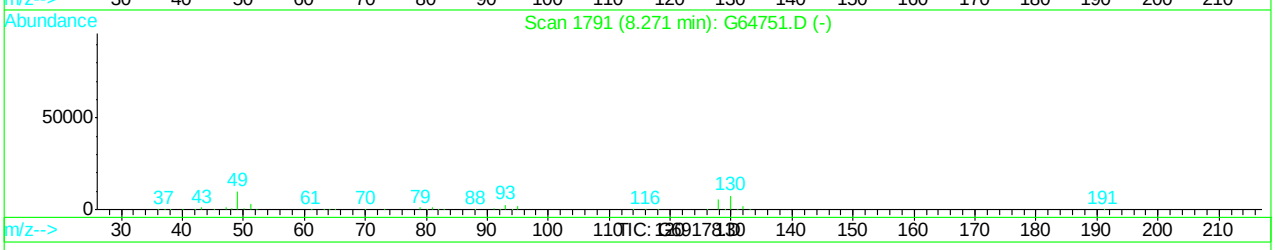
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69178.D  Vial: 12
Acq On : 25 Apr 2007 8:49 pm  Operator: KIMT
Sample : ICC2782-50  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 7:56 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 07:54:54 2007
Response via : Multiple Level Calibration




(37) ethyl acetate (M)

8.22min 1.93ppb m

response 5057

| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 45.00 | 15.30 | 20.72 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

G69178.D G042507.M Thu Apr 26 07:56:56 2007 RP1

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
04/27/07 13:57

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69179.D Vial: 13
Acq On : 25 Apr 2007 9:16 pm Operator: KIMT
Sample : ICV2782-50 Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 9:02 2007 Quant Results File: G042507W.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 08:46:25 2007
Response via : Initial Calibration
DataAcq Meth : G8260

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 6.39 | 65 | 159736 | 500.00 ppb | 0.00 |
| 3) pentafluorobenzene | 8.74 | 168 | 473481 | 50.00 ppb | 0.00 |
| 43) 1,4-difluorobenzene | 9.61 | 114 | 660420 | 50.00 ppb | 0.00 |
| 66) chlorobenzene-d5 | 12.86 | 82 | 339616 | 50.00 ppb | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 15.42 | 152 | 386837 | 50.00 ppb | 0.00 |

System Monitoring Compounds

| | | | | | |
|---|---|---|---|---|---|
| 40) dibromofluoromethane (s) | 8.38 | 113 | 201592 | 49.19 ppb | 0.00 |
| Spiked Amount 50.000 | Range 83 - 127 | | Recovery = 98.38% | | |
| 60) toluene-d8 (s) | 11.40 | 98 | 806452 | 50.21 ppb | 0.00 |
| Spiked Amount 50.000 | Range 89 - 112 | | Recovery = 100.42% | | |
| 82) bromofluorobenzene (s) | 14.09 | 95 | 314811 | 49.58 ppb | 0.00 |
| Spiked Amount 50.000 | Range 81 - 119 | | Recovery = 99.16% | | |

Target Compounds

| | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 2) tertiary butyl alcohol | 6.44 | 59 | 161007m | 428.99 ppb | | |
| 4) Ethanol | 5.41 | 45 | 117484m | 4826.13 ppb | | |
| 5) dichlorodifluoromethane | 4.14 | 85 | 173771 | 37.05 ppb | | 94 |
| 6) chloromethane | 4.34 | 50 | 257806 | 47.74 ppb | | 91 |
| 7) vinyl chloride | 4.61 | 62 | 240108 | 46.96 ppb | | 93 |
| 8) bromomethane | 5.07 | 96 | 174619 | 45.50 ppb | | 74 |
| 9) chloroethane | 5.22 | 64 | 165115 | 48.15 ppb | | 87 |
| 10) ethyl ether | 6.07 | 59 | 173739 | 44.92 ppb | | 84 |
| 11) acetonitrile | 5.78 | 41 | 19195 | 44.63 ppb | # | 1 |
| 12) trichlorofluoromethane | 5.87 | 101 | 250544 | 44.18 ppb | | 98 |
| 13) freon-113 | 6.63 | 101 | 195112 | 49.60 ppb | | 82 |
| 14) acrolein | 5.84 | 56 | 147321 | 191.18 ppb | | 100 |
| 15) 1,1-dichloroethene | 6.42 | 96 | 195956 | 46.40 ppb | | 82 |
| 16) acetone | 5.97 | 43 | 57482m | 48.35 ppb | | |
| 17) Methyl Acetate | 6.61 | 43 | 254093 | 39.60 ppb | # | 71 |
| 18) methylene chloride | 6.56 | 84 | 242101 | 47.27 ppb | | 92 |
| 19) methyl tert butyl ether | 7.34 | 73 | 622973 | 48.84 ppb | | 84 |
| 20) acrylonitrile | 6.48 | 53 | 468714 | 243.39 ppb | | 94 |
| 21) allyl chloride | 6.65 | 41 | 361518 | 49.30 ppb | | 92 |
| 22) trans-1,2-dichloroethene | 7.24 | 96 | 224529 | 47.29 ppb | | 91 |
| 23) iodomethane | 6.48 | 142 | 385997 | 48.30 ppb | | 94 |
| 24) carbon disulfide | 6.84 | 76 | 716256 | 53.12 ppb | | 91 |
| 25) propionitrile | 6.47 | 54 | 16169 | 44.36 ppb | | 100 |
| 26) vinyl acetate | 7.60 | 43 | 186707 | 21.99 ppb | | 100 |
| 27) chloroprene | 7.85 | 53 | 290034 | 49.28 ppb | | 88 |
| 28) di-isopropyl ether | 7.90 | 45 | 752165 | 44.37 ppb | | 75 |
| 29) methacrylonitrile | 8.01 | 41 | 149663 | 44.87 ppb | | 72 |
| 30) 2-butanone | 7.92 | 72 | 26656 | 44.83 ppb | # | 1 |
| 31) Hexane | 7.88 | 41 | 306705 | 43.45 ppb | # | 90 |
| 32) 1,1-dichloroethane | 7.49 | 63 | 392741 | 47.36 ppb | | 91 |
| 33) tert-butyl ethyl ether | 8.30 | 59 | 664890 | 46.16 ppb | | 95 |
| 34) isobutyl alcohol | 8.32 | 43 | 122441 | 233.75 ppb | | 97 |
| 35) 2,2-dichloropropane | 8.36 | 77 | 241247 | 45.46 ppb | | 97 |
| 36) cis-1,2-dichloroethene | 8.06 | 96 | 236047 | 44.12 ppb | | 91 |
| 37) ethyl acetate | 8.21 | 43 | 185342 | 1939.04 ppb | | 100 |

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69179.D Vial: 13
Acq On : 25 Apr 2007 9:16 pm Operator: KIMT
Sample : ICV2782-50 Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 9:02 2007 Quant Results File: G042507W.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 08:46:25 2007
Response via : Initial Calibration
DataAcq Meth : G8260

| | Compound | R.T. | QIon | Response | Conc Unit | | Qvalue |
|---|---|---|---|---|---|---|---|
| 38) | bromochloromethane | 8.22 | 128 | 123341 | 46.81 ppb | # | 78 |
| 39) | chloroform | 8.26 | 83 | 372508 | 45.62 ppb | | 77 |
| 41) | Tetrahydrofuran | 8.62 | 42 | 71711 | 50.18 ppb | | 97 |
| 42) | 1,1,1-trichloroethane | 9.02 | 97 | 309740 | 46.26 ppb | | 86 |
| 44) | Cyclohexane | 9.30 | 56 | 369859 | 48.20 ppb | | 99 |
| 45) | carbon tetrachloride | 9.38 | 117 | 286084 | 46.86 ppb | | 89 |
| 46) | 1,1-dichloropropene | 9.18 | 75 | 279452 | 47.96 ppb | | 94 |
| 47) | benzene | 9.41 | 78 | 880042 | 47.26 ppb | | 82 |
| 48) | 1,2-dichloroethane | 8.91 | 62 | 265302 | 45.66 ppb | | 94 |
| 49) | tert-amyl methyl ether | 9.54 | 73 | 616764 | 46.84 ppb | | 92 |
| 50) | heptane | 9.89 | 43 | 309361 | 49.31 ppb | | 95 |
| 51) | trichloroethene | 10.03 | 95 | 224912 | 48.92 ppb | | 91 |
| 52) | 1,2-dichloropropane | 9.99 | 63 | 221169 | 47.39 ppb | | 98 |
| 53) | dibromomethane | 9.97 | 93 | 135322 | 45.75 ppb | | 92 |
| 54) | bromodichloromethane | 10.08 | 83 | 287085 | 44.03 ppb | | 97 |
| 55) | Methylcyclohexane | 10.55 | 83 | 379145 | 48.89 ppb | | 93 |
| 56) | 2-chloroethyl vinyl ether | 10.55 | 63 | 3000 | 2.70 ppb | # | 1 |
| 57) | methyl methacrylate | 10.18 | 69 | 156183 | 49.42 ppb | # | 74 |
| 58) | 1,4-dioxane | 10.25 | 88 | 8004 | 287.58 ppb | # | 42 |
| 59) | cis-1,3-dichloropropene | 10.70 | 75 | 349864 | 49.16 ppb | | 84 |
| 61) | 4-methyl-2-pentanone | 10.79 | 43 | 234268 | 48.74 ppb | | 94 |
| 62) | toluene | 11.48 | 92 | 562792 | 47.04 ppb | | 91 |
| 63) | trans-1,3-dichloropropene | 11.12 | 75 | 298547 | 50.44 ppb | | 100 |
| 64) | 1,1,2-trichloroethane | 11.29 | 83 | 169589 | 47.11 ppb | | 76 |
| 65) | ethyl methacrylate | 11.50 | 69 | 308381 | 51.63 ppb | | 81 |
| 67) | tetrachloroethene | 12.22 | 166 | 266347 | 46.50 ppb | | 93 |
| 68) | 1,3-dichloropropane | 11.53 | 76 | 349882 | 47.13 ppb | | 93 |
| 69) | dibromochloromethane | 11.81 | 129 | 239835 | 44.82 ppb | | 95 |
| 70) | 1,2-dibromoethane | 12.07 | 107 | 213129 | 47.77 ppb | | 97 |
| 71) | 2-hexanone | 11.65 | 43 | 166785 | 49.20 ppb | | 96 |
| 72) | chlorobenzene | 12.90 | 112 | 631507 | 45.09 ppb | | 97 |
| 73) | 1,1,1,2-tetrachloroethane | 12.82 | 131 | 231646 | 46.17 ppb | | 90 |
| 74) | ethylbenzene | 13.07 | 91 | 1076823 | 47.91 ppb | | 99 |
| 75) | m,p-xylene | 13.26 | 106 | 849927 | 94.97 ppb | | 100 |
| 76) | o-xylene | 13.67 | 106 | 417538 | 46.71 ppb | | 92 |
| 77) | styrene | 13.60 | 104 | 714659 | 49.16 ppb | | 98 |
| 78) | bromoform | 13.42 | 173 | 196422 | 45.45 ppb | | 78 |
| 79) | trans-1,4-dichloro-2-buten | 13.82 | 53 | 67233 | 48.86 ppb | | 96 |
| 81) | isopropylbenzene | 14.03 | 105 | 974417 | 47.21 ppb | | 96 |
| 83) | bromobenzene | 14.32 | 156 | 312621 | 45.01 ppb | | 96 |
| 84) | 1,1,2,2-tetrachloroethane | 13.67 | 83 | 277397 | 43.57 ppb | | 94 |
| 85) | 1,2,3-trichloropropane | 13.82 | 75 | 312820 | 47.17 ppb | | 99 |
| 86) | n-propylbenzene | 14.48 | 91 | 1290046 | 46.82 ppb | | 99 |
| 87) | 2-chlorotoluene | 14.60 | 91 | 765407 | 45.75 ppb | | 92 |
| 88) | 4-chlorotoluene | 14.67 | 91 | 771537 | 45.52 ppb | | 97 |
| 89) | 1,3,5-trimethylbenzene | 14.76 | 105 | 942233 | 47.65 ppb | | 99 |
| 90) | tert-butylbenzene | 15.17 | 91 | 91991 | 45.93 ppb | # | 77 |
| 91) | 1,2,4-trimethylbenzene | 15.17 | 105 | 964989 | 47.18 ppb | | 89 |
| 92) | sec-butylbenzene | 15.29 | 105 | 1243142 | 47.83 ppb | | 97 |

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69179.D Vial: 13
Acq On : 25 Apr 2007 9:16 pm Operator: KIMT
Sample : ICV2782-50 Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 9:02 2007 Quant Results File: G042507W.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 08:46:25 2007
Response via : Initial Calibration
DataAcq Meth : G8260

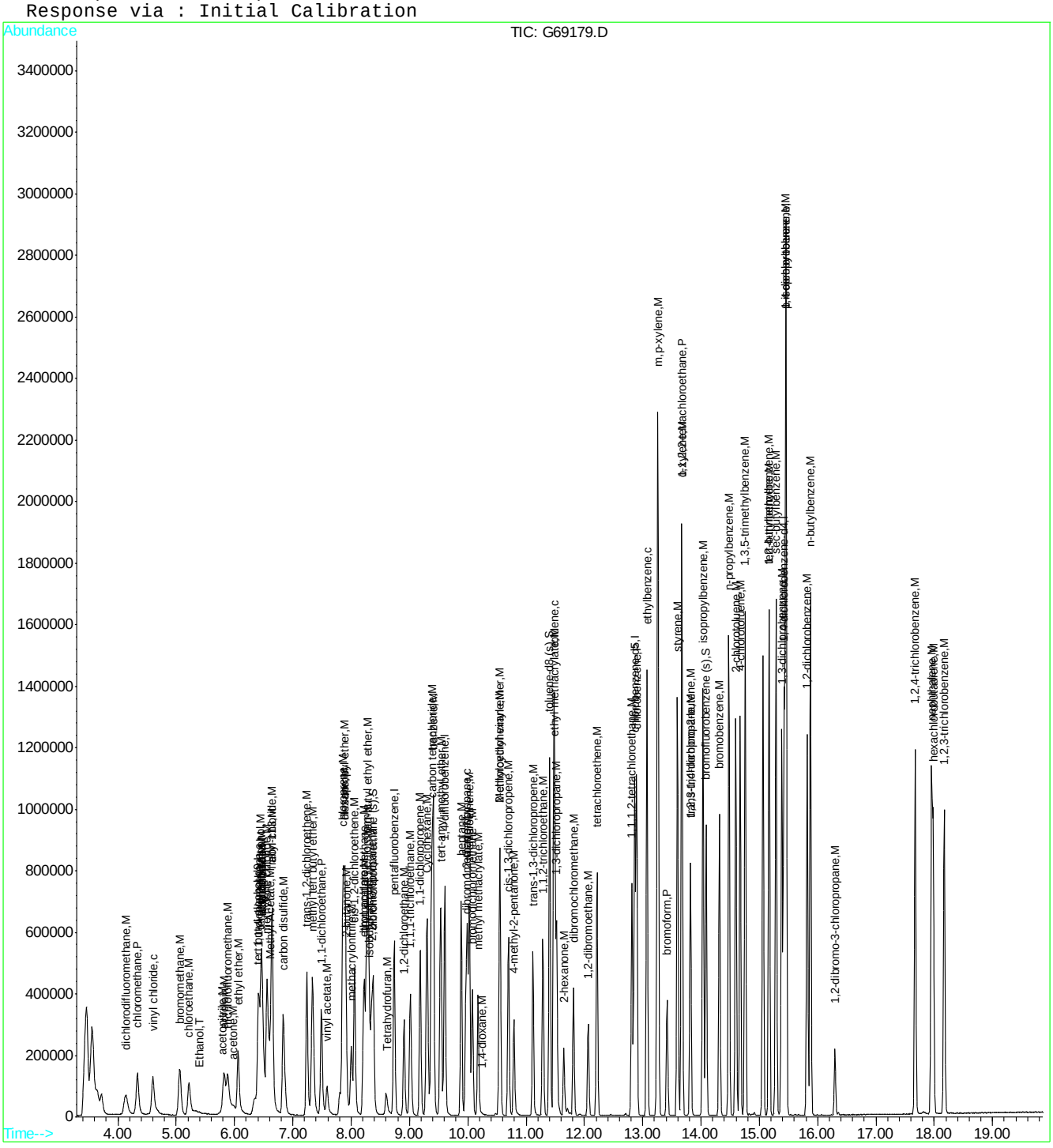
| | Compound | R.T. | QIon | Response | Conc | Unit | | Qvalue |
|---|---|---|---|---|---|---|---|---|
| 93) | 1,3-dichlorobenzene | 15.39 | 146 | 590010 | 44.91 | ppb | | 96 |
| 94) | p-isopropyltoluene | 15.46 | 119 | 1084397 | 47.41 | ppb | | 97 |
| 95) | 1,4-dichlorobenzene | 15.45 | 146 | 615797 | 45.00 | ppb | | 94 |
| 96) | 1,2-dichlorobenzene | 15.82 | 146 | 575916 | 45.77 | ppb | | 88 |
| 97) | n-butylbenzene | 15.88 | 91 | 990650 | 48.85 | ppb | | 99 |
| 98) | 1,2-dibromo-3-chloropropan | 16.30 | 75 | 52954 | 46.34 | ppb | # | 55 |
| 99) | 1,2,4-trichlorobenzene | 17.67 | 180 | 445377 | 49.28 | ppb | | 93 |
| 100) | hexachlorobutadiene | 17.98 | 225 | 247981 | 49.13 | ppb | | 91 |
| 101) | naphthalene | 17.95 | 128 | 961197 | 49.36 | ppb | | 100 |
| 102) | 1,2,3-trichlorobenzene | 18.17 | 180 | 384651 | 48.74 | ppb | | 98 |

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\G69179.D  Vial: 13
Acq On : 25 Apr 2007 9:16 pm  Operator: KIMT
Sample : ICV2782-50  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 9:02 2007  Quant Results File: G042507W.RES

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 08:46:25 2007
Response via : Initial Calibration







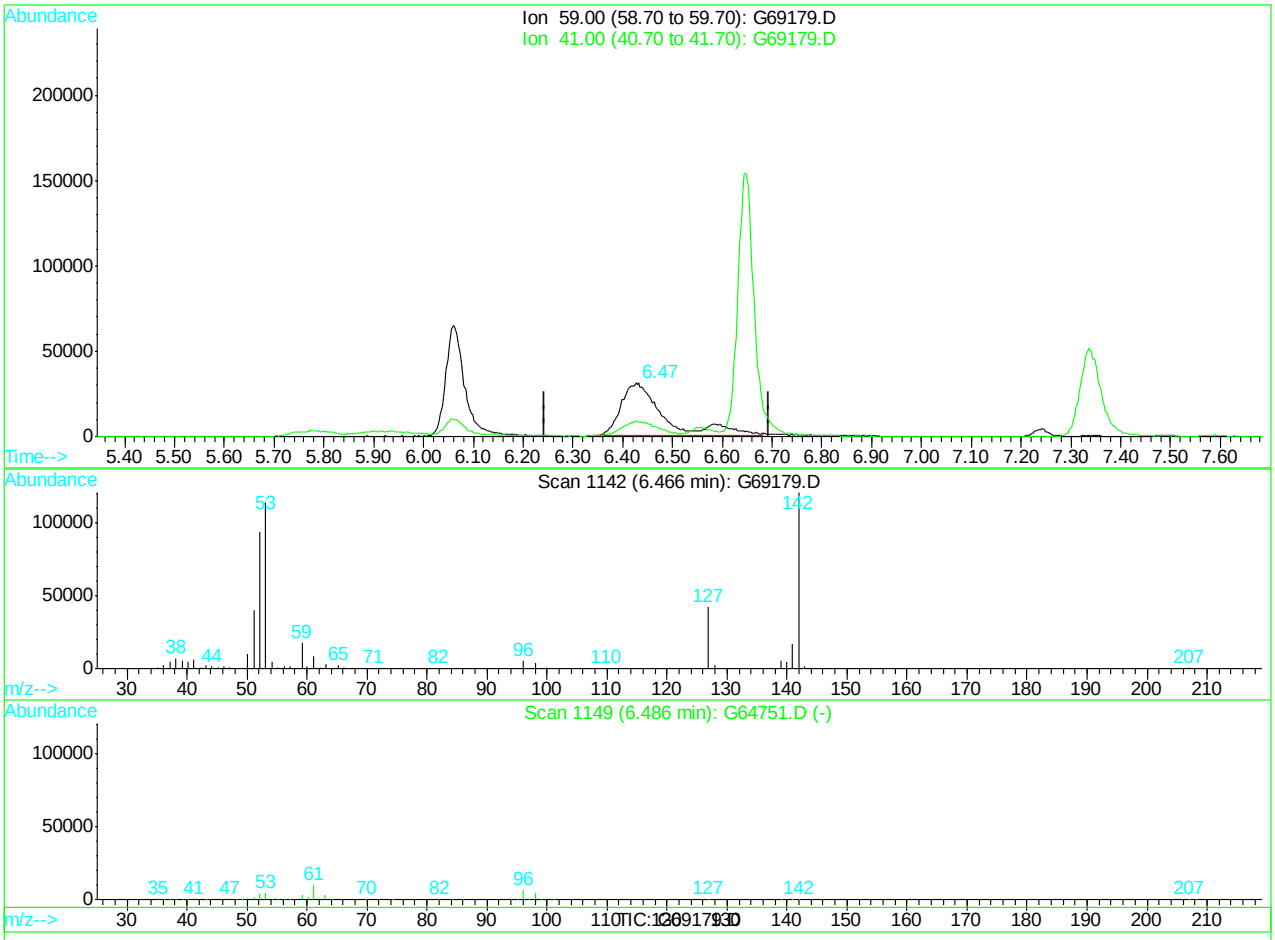



ACCUTEST Laboratories M64162

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69179.D  Vial: 13
Acq On : 25 Apr 2007 9:16 pm  Operator: KIMT
Sample : ICV2782-50  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 9:01 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 08:46:25 2007
Response via : Multiple Level Calibration




(2) tertiary butyl alcohol (M)

6.47min 495.91ppb

response 186125

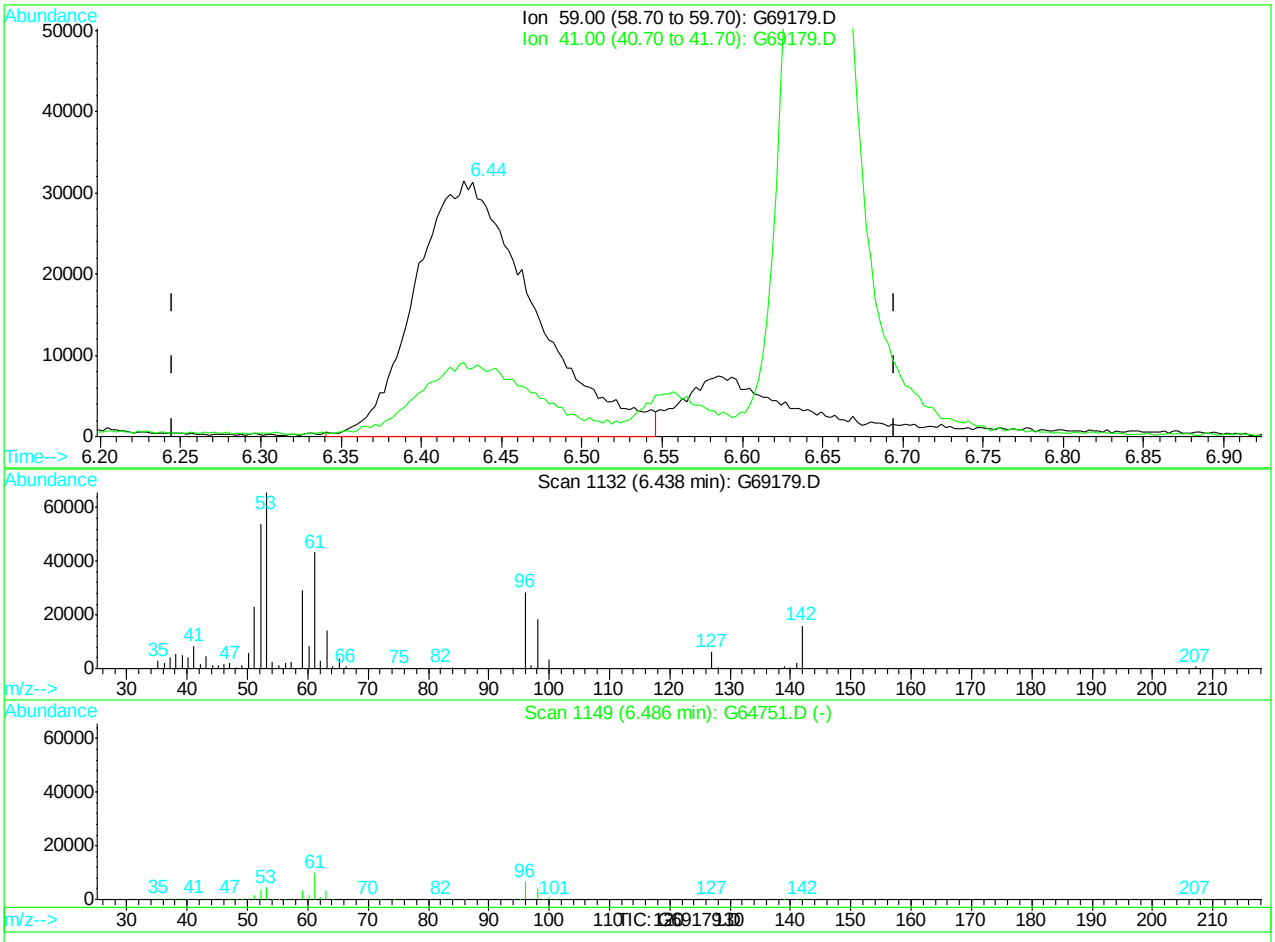
| Ion | Exp% | Act% |
|---|---|---|
| 59.00 | 100 | 100 |
| 41.00 | 29.50 | 31.53 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

G69179.D G042507W.M Thu Apr 26 09:01:54 2007 RP1

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69179.D  Vial: 13
Acq On : 25 Apr 2007 9:16 pm  Operator: KIMT
Sample : ICV2782-50  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 9:01 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 08:46:25 2007
Response via : Multiple Level Calibration




(2) tertiary butyl alcohol (M)

6.44min 428.99ppb m

response 161007

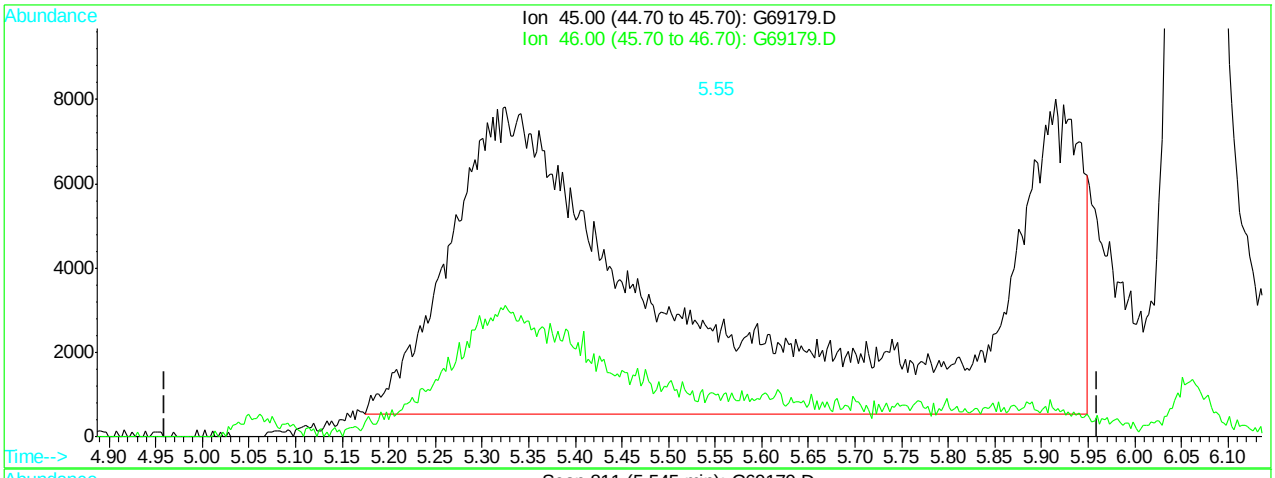
| Ion | Exp% | Act% |
|---|---|---|
| 59.00 | 100 | 100 |
| 41.00 | 29.50 | 29.15 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

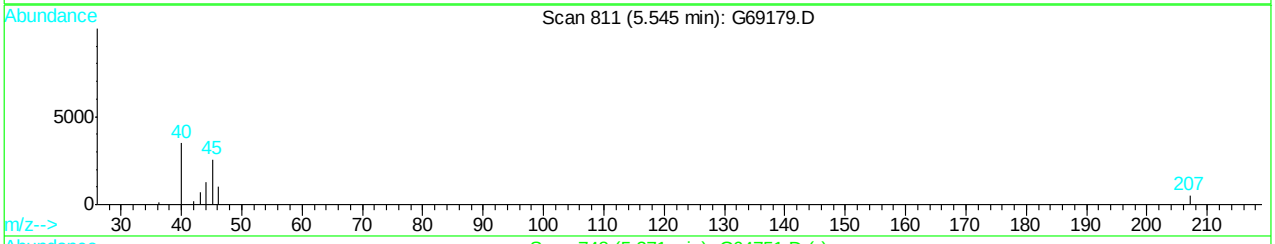
G69179.D G042507W.M Thu Apr 26 09:02:01 2007 RP1

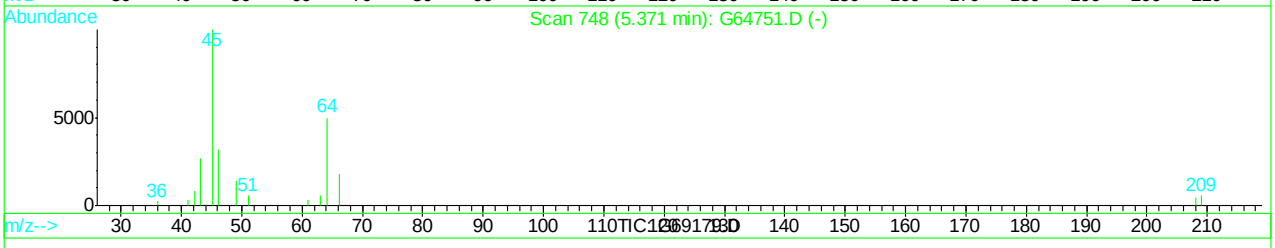
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69179.D  Vial: 13
Acq On : 25 Apr 2007 9:16 pm  Operator: KIMT
Sample : ICV2782-50  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 9:01 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 08:46:25 2007
Response via : Multiple Level Calibration




(4) Ethanol (T)

5.55min 5835.42ppb

response 141162

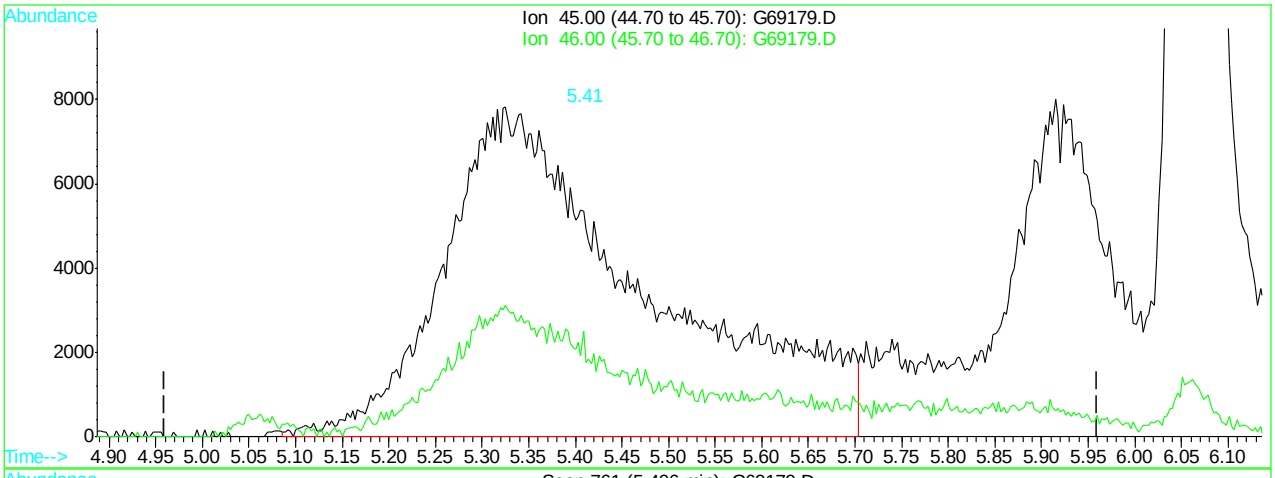
| Ion | Exp% | Act% |
|---|---|---|
| 45.00 | 100 | 100 |
| 46.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

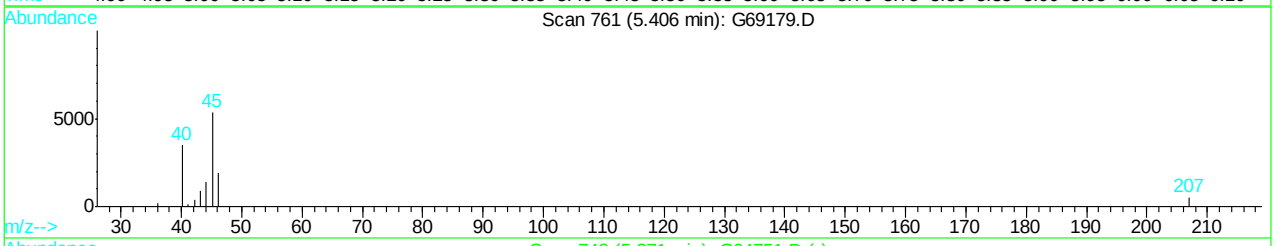
G69179.D G042507W.M Thu Apr 26 09:02:08 2007 RP1

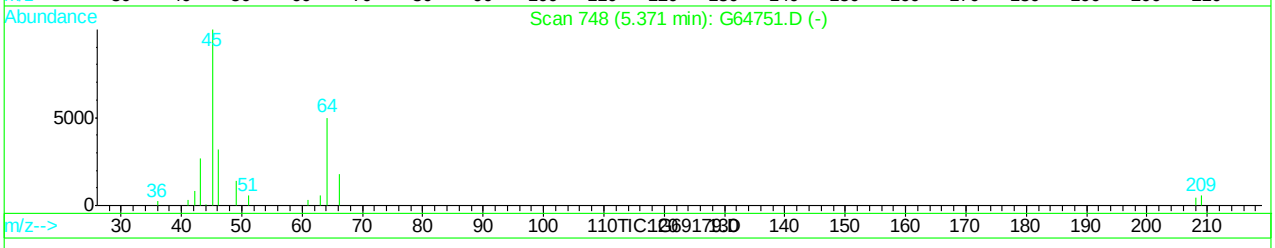
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69179.D  Vial: 13
Acq On : 25 Apr 2007 9:16 pm  Operator: KIMT
Sample : ICV2782-50  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 9:02 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 08:46:25 2007
Response via : Multiple Level Calibration




(4) Ethanol (T)

5.41min 4826.13ppb m

response 117484

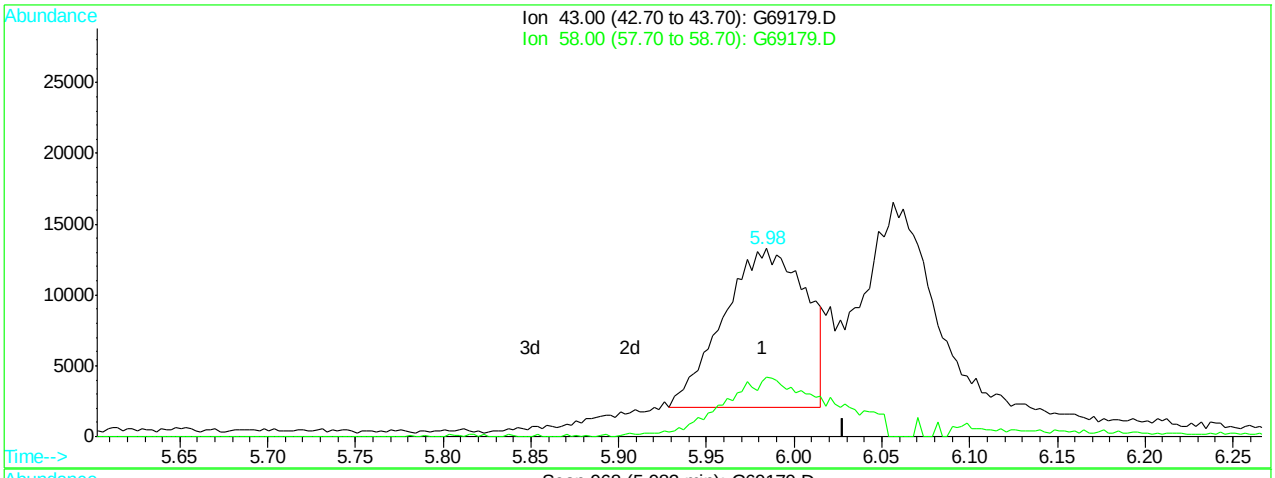
| Ion | Exp% | Act% |
|---|---|---|
| 45.00 | 100 | 100 |
| 46.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

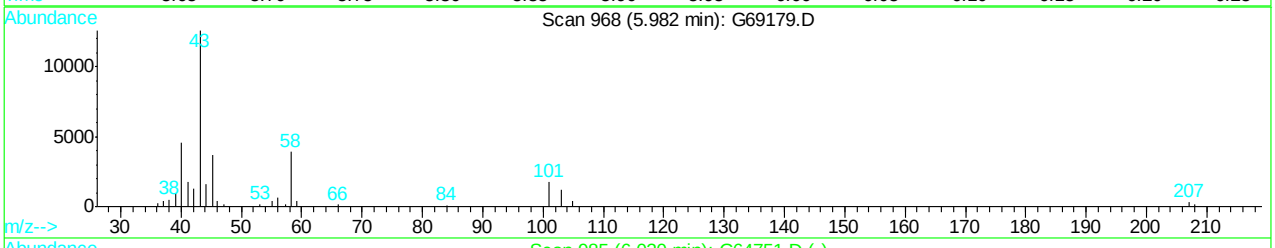
G69179.D G042507W.M Thu Apr 26 09:02:15 2007 RP1

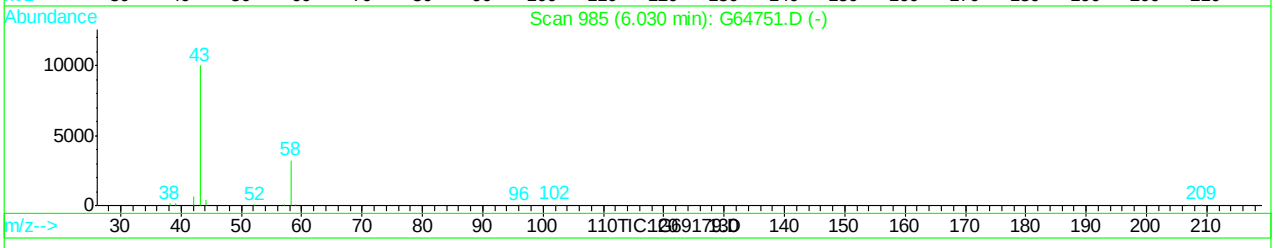
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69179.D  Vial: 13
Acq On : 25 Apr 2007 9:16 pm  Operator: KIMT
Sample : ICV2782-50  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 9:02 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 08:46:25 2007
Response via : Multiple Level Calibration




(16) acetone (M)

5.98min 30.61ppb

response 36385

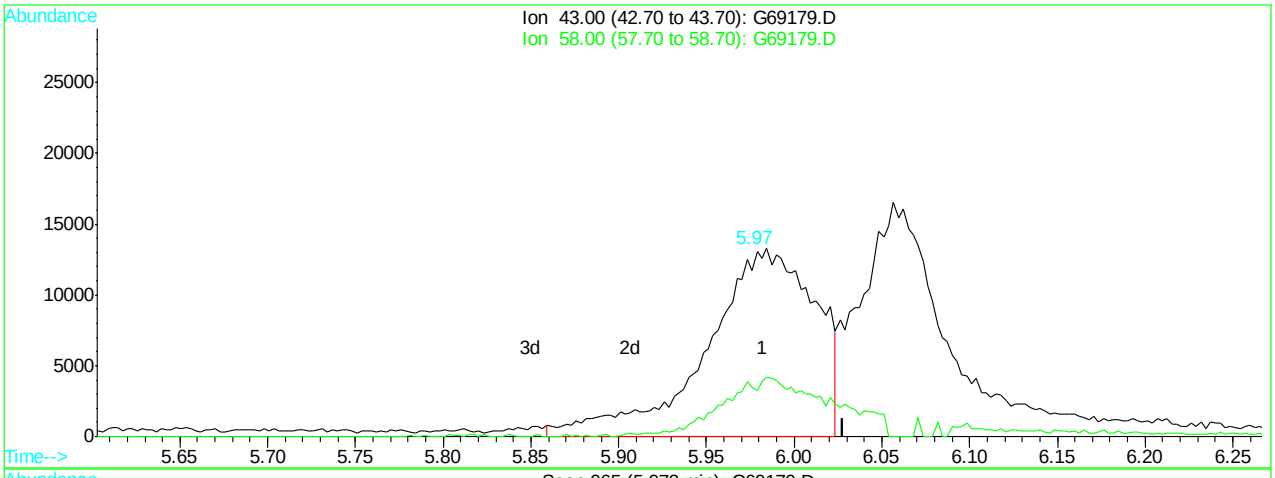
| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 58.00 | 35.60 | 34.51 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

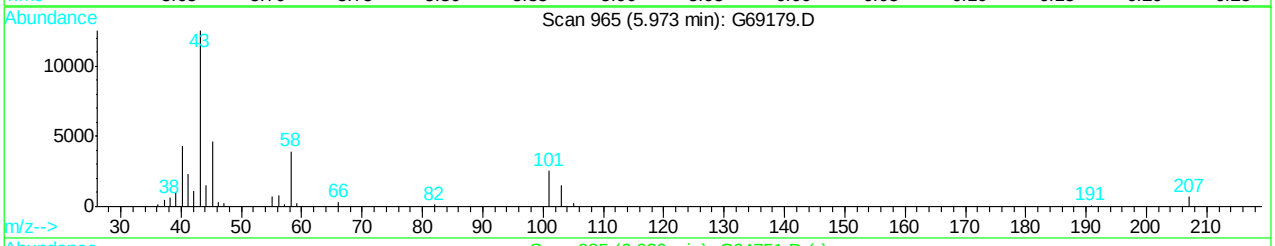
G69179.D G042507W.M Thu Apr 26 09:02:32 2007 RP1

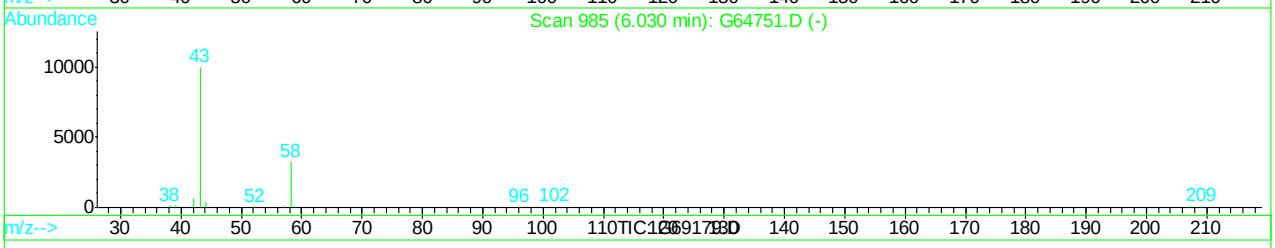
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69179.D  Vial: 13
Acq On : 25 Apr 2007 9:16 pm  Operator: KIMT
Sample : ICV2782-50  Inst : 5973 G
Misc : MS13436,MSG2782,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 9:02 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 08:46:25 2007
Response via : Multiple Level Calibration




(16) acetone (M)

5.97min 48.35ppb m

response 57482

| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 58.00 | 35.60 | 31.22 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

G69179.D G042507W.M Thu Apr 26 09:02:41 2007 RP1

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani 04/30/07 16:05

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69215.D Vial: 1
Acq On : 27 Apr 2007 12:35 pm Operator: kimt
Sample : CC2782-100 Inst : 5973 G
Misc : MS13436,MSG2784,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 27 13:10 2007 Quant Results File: G042507W.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration
DataAcq Meth : G8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 6.39 | 65 | 104409 | 500.00 | ppb | -0.03 |
| 3) pentafluorobenzene | 8.74 | 168 | 423049 | 50.00 | ppb | 0.00 |
| 43) 1,4-difluorobenzene | 9.61 | 114 | 593416 | 50.00 | ppb | 0.00 |
| 66) chlorobenzene-d5 | 12.86 | 82 | 307619 | 50.00 | ppb | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 15.43 | 152 | 362126 | 50.00 | ppb | 0.00 |

System Monitoring Compounds

| | | | | | | |
|---|---|---|---|---|---|---|
| 40) dibromofluoromethane (s) | 8.38 | 113 | 184296 | 50.33 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 83 - 127 | | Recovery = 100.66% | | | |
| 60) toluene-d8 (s) | 11.40 | 98 | 715595 | 49.59 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 89 - 112 | | Recovery = 99.18% | | | |
| 82) bromofluorobenzene (s) | 14.09 | 95 | 289515 | 48.71 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 81 - 119 | | Recovery = 97.42% | | | |

| Target Compounds | | | | | | | Qvalue |
|---|---|---|---|---|---|---|---|
| 2) tertiary butyl alcohol | 6.44 | 59 | 228584m | 931.78 | ppb | | |
| 4) Ethanol | 5.45 | 45 | 155869m | 7254.36 | ppb | | |
| 5) dichlorodifluoromethane | 4.14 | 85 | 386266 | 92.17 | ppb | | 96 |
| 6) chloromethane | 4.35 | 50 | 430807 | 89.28 | ppb | | 99 |
| 7) vinyl chloride | 4.62 | 62 | 394599 | 86.38 | ppb | | 98 |
| 8) bromomethane | 5.07 | 96 | 311354 | 90.79 | ppb | | 95 |
| 9) chloroethane | 5.23 | 64 | 276095 | 90.11 | ppb | | 97 |
| 10) ethyl ether | 6.07 | 59 | 327610 | 94.81 | ppb | | 97 |
| 11) acetonitrile | 5.79 | 41 | 31537 | 71.40 | ppb | # | 1 |
| 12) trichlorofluoromethane | 5.87 | 101 | 484251 | 95.58 | ppb | | 99 |
| 13) freon-113 | 6.63 | 101 | 335616 | 95.49 | ppb | | 97 |
| 14) acrolein | 5.84 | 56 | 315775 | 454.46 | ppb | | 99 |
| 15) 1,1-dichloroethene | 6.42 | 96 | 344179 | 91.21 | ppb | | 97 |
| 16) acetone | 5.97 | 43 | 95955m | 90.34 | ppb | | |
| 17) Methyl Acetate | 6.60 | 43 | 541915 | 94.53 | ppb | | 95 |
| 18) methylene chloride | 6.56 | 84 | 426489 | 93.78 | ppb | | 99 |
| 19) methyl tert butyl ether | 7.34 | 73 | 1065666 | 93.50 | ppb | | 99 |
| 20) acrylonitrile | 6.48 | 53 | 782841 | 454.96 | ppb | | 99 |
| 21) allyl chloride | 6.65 | 41 | 620740 | 94.73 | ppb | | 100 |
| 22) trans-1,2-dichloroethene | 7.24 | 96 | 382331 | 90.12 | ppb | | 99 |
| 23) iodomethane | 6.48 | 142 | 667431 | 93.46 | ppb | | 95 |
| 24) carbon disulfide | 6.84 | 76 | 1083174 | 89.91 | ppb | | 100 |
| 25) propionitrile | 6.47 | 54 | 27740 | 85.18 | ppb | | 100 |
| 26) vinyl acetate | 7.59 | 43 | 843915 | 111.24 | ppb | | 100 |
| 27) chloroprene | 7.85 | 53 | 512646 | 97.50 | ppb | | 98 |
| 28) di-isopropyl ether | 7.90 | 45 | 1463354 | 96.62 | ppb | | 93 |
| 29) methacrylonitrile | 8.01 | 41 | 268056 | 89.97 | ppb | | 99 |
| 30) 2-butanone | 7.91 | 72 | 40755 | 74.21 | ppb | # | 1 |
| 31) Hexane | 7.88 | 41 | 606064 | 96.10 | ppb | | 89 |
| 32) 1,1-dichloroethane | 7.49 | 63 | 690201 | 93.15 | ppb | | 99 |
| 33) tert-butyl ethyl ether | 8.30 | 59 | 1282769 | 99.68 | ppb | | 99 |
| 34) isobutyl alcohol | 8.31 | 43 | 207808 | 444.01 | ppb | # | 52 |
| 35) 2,2-dichloropropane | 8.36 | 77 | 511813 | 107.94 | ppb | | 100 |
| 36) cis-1,2-dichloroethene | 8.06 | 96 | 443497 | 92.79 | ppb | | 96 |
| 37) ethyl acetate | 8.21 | 43 | 8472m | 91.68 | ppb | | |

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69215.D Vial: 1
Acq On : 27 Apr 2007 12:35 pm Operator: kimt
Sample : CC2782-100 Inst : 5973 G
Misc : MS13436,MSG2784,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 27 13:10 2007 Quant Results File: G042507W.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration
DataAcq Meth : G8260

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|---|---|---|---|---|---|---|
| 38) bromochloromethane | 8.22 | 128 | 220082 | 93.49 | ppb | 99 |
| 39) chloroform | 8.26 | 83 | 691229 | 94.74 | ppb | 95 |
| 41) Tetrahydrofuran | 8.62 | 42 | 116852 | 91.51 | ppb | 98 |
| 42) 1,1,1-trichloroethane | 9.02 | 97 | 572820 | 95.76 | ppb | 98 |
| 44) Cyclohexane | 9.30 | 56 | 665274 | 96.49 | ppb | 98 |
| 45) carbon tetrachloride | 9.38 | 117 | 533623 | 97.27 | ppb | 99 |
| 46) 1,1-dichloropropene | 9.19 | 75 | 508565 | 97.13 | ppb | 98 |
| 47) benzene | 9.41 | 78 | 1580281 | 94.44 | ppb | 100 |
| 48) 1,2-dichloroethane | 8.91 | 62 | 492385 | 94.32 | ppb | 100 |
| 49) tert-amyl methyl ether | 9.54 | 73 | 1188205 | 100.44 | ppb | 99 |
| 50) heptane | 9.89 | 43 | 560853 | 99.48 | ppb | 99 |
| 51) trichloroethene | 10.03 | 95 | 388479 | 94.03 | ppb | 94 |
| 52) 1,2-dichloropropane | 9.99 | 63 | 394334 | 94.04 | ppb | 100 |
| 53) dibromomethane | 9.97 | 93 | 246160 | 92.61 | ppb | 99 |
| 54) bromodichloromethane | 10.08 | 83 | 561810 | 95.90 | ppb | 96 |
| 55) Methylcyclohexane | 10.55 | 83 | 686150 | 98.46 | ppb | 98 |
| 56) 2-chloroethyl vinyl ether | 10.45 | 63 | 231357 | 87.83 | ppb | 99 |
| 57) methyl methacrylate | 10.18 | 69 | 278168 | 97.96 | ppb | 96 |
| 58) 1,4-dioxane | 10.25 | 88 | 8604 | 343.17 | ppb | 97 |
| 59) cis-1,3-dichloropropene | 10.70 | 75 | 651444 | 101.87 | ppb | 98 |
| 61) 4-methyl-2-pentanone | 10.79 | 43 | 398475 | 92.27 | ppb | 98 |
| 62) toluene | 11.48 | 92 | 1029573 | 95.78 | ppb | 98 |
| 63) trans-1,3-dichloropropene | 11.12 | 75 | 558766 | 105.07 | ppb | 96 |
| 64) 1,1,2-trichloroethane | 11.29 | 83 | 301279 | 93.15 | ppb | 98 |
| 65) ethyl methacrylate | 11.50 | 69 | 525292 | 97.87 | ppb | 95 |
| 67) tetrachloroethene | 12.22 | 166 | 501223 | 96.61 | ppb | 97 |
| 68) 1,3-dichloropropane | 11.52 | 76 | 634300 | 94.33 | ppb | 99 |
| 69) dibromochloromethane | 11.81 | 129 | 461862 | 95.30 | ppb | 98 |
| 70) 1,2-dibromoethane | 12.07 | 107 | 382491 | 94.65 | ppb | 99 |
| 71) 2-hexanone | 11.65 | 43 | 283724 | 92.40 | ppb | 99 |
| 72) chlorobenzene | 12.90 | 112 | 1190152 | 93.81 | ppb | 99 |
| 73) 1,1,1,2-tetrachloroethane | 12.82 | 131 | 434771 | 95.67 | ppb | 99 |
| 74) ethylbenzene | 13.07 | 91 | 2018868 | 99.17 | ppb | 98 |
| 75) m,p-xylene | 13.26 | 106 | 1629682 | 201.04 | ppb | 97 |
| 76) o-xylene | 13.67 | 106 | 806642 | 99.62 | ppb | 100 |
| 77) styrene | 13.60 | 104 | 1354946 | 102.90 | ppb | 99 |
| 78) bromoform | 13.42 | 173 | 365301 | 93.33 | ppb | 98 |
| 79) trans-1,4-dichloro-2-buten | 13.82 | 53 | 120467 | 96.66 | ppb | 92 |
| 81) isopropylbenzene | 14.03 | 105 | 1860127 | 96.27 | ppb | 99 |
| 83) bromobenzene | 14.32 | 156 | 603945 | 92.89 | ppb | 95 |
| 84) 1,1,2,2-tetrachloroethane | 13.67 | 83 | 515466 | 86.49 | ppb | 99 |
| 85) 1,2,3-trichloropropane | 13.82 | 75 | 550237 | 88.64 | ppb | 99 |
| 86) n-propylbenzene | 14.48 | 91 | 2485055 | 96.34 | ppb | 98 |
| 87) 2-chlorotoluene | 14.60 | 91 | 1474639 | 94.16 | ppb | 97 |
| 88) 4-chlorotoluene | 14.67 | 91 | 1496786 | 94.33 | ppb | 99 |
| 89) 1,3,5-trimethylbenzene | 14.76 | 105 | 1805015 | 97.51 | ppb | 99 |
| 90) tert-butylbenzene | 15.06 | 91 | 962537 | 98.70 | ppb | 100 |
| 91) 1,2,4-trimethylbenzene | 15.17 | 105 | 1875314 | 97.93 | ppb | 99 |
| 92) sec-butylbenzene | 15.29 | 105 | 2396925 | 98.53 | ppb | 98 |

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69215.D Vial: 1
Acq On : 27 Apr 2007 12:35 pm Operator: kimt
Sample : CC2782-100 Inst : 5973 G
Misc : MS13436,MSG2784,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 27 13:10 2007 Quant Results File: G042507W.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration
DataAcq Meth : G8260

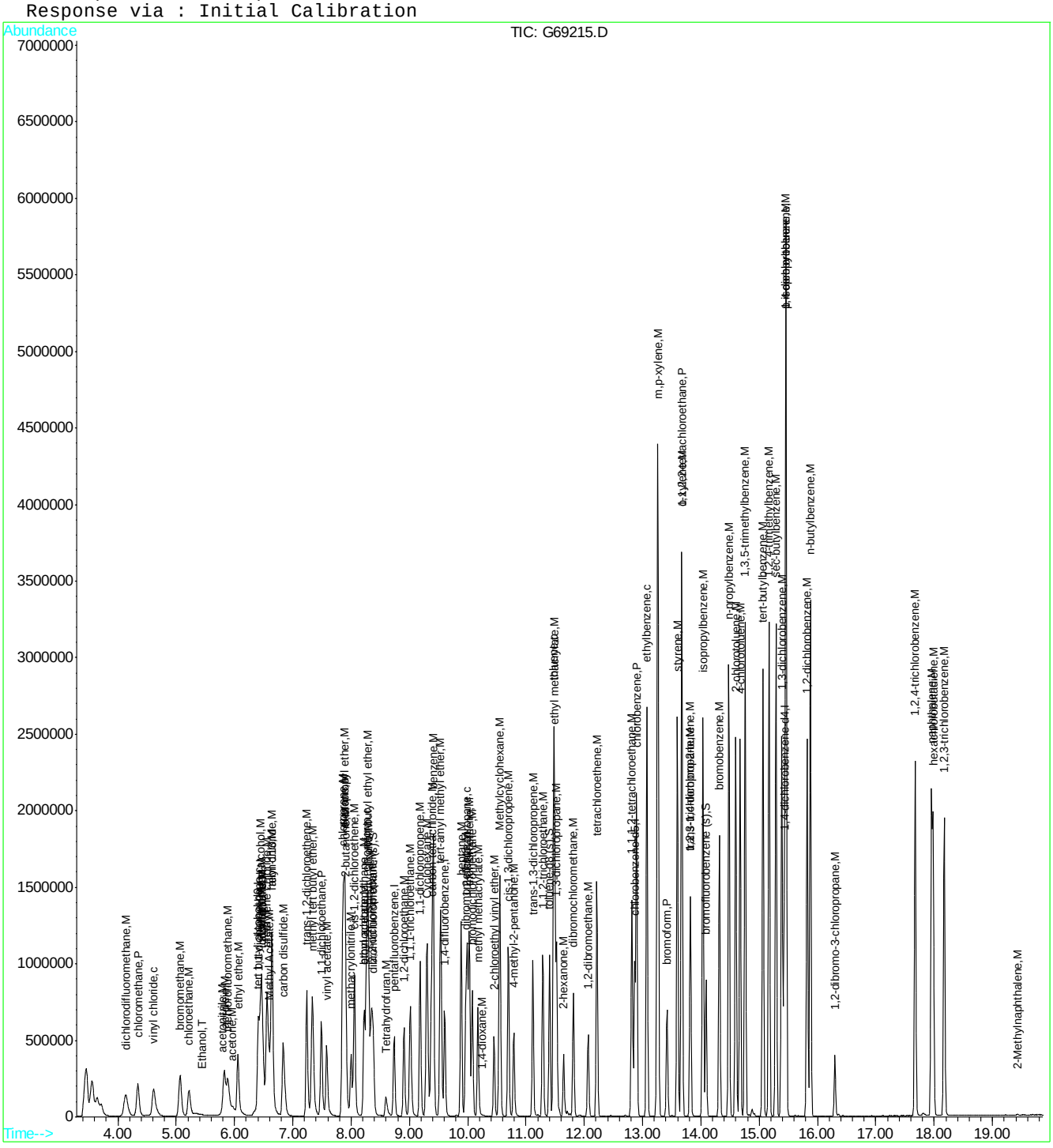
| | Compound | R.T. | QIon | Response | Conc | Unit | | Qvalue |
|---|---|---|---|---|---|---|---|---|
| 93) | 1,3-dichlorobenzene | 15.39 | 146 | 1163091 | 94.56 | ppb | | 98 |
| 94) | p-isopropyltoluene | 15.46 | 119 | 2145687 | 100.21 | ppb | | 98 |
| 95) | 1,4-dichlorobenzene | 15.45 | 146 | 1232602 | 96.21 | ppb | | 99 |
| 96) | 1,2-dichlorobenzene | 15.82 | 146 | 1127972 | 95.77 | ppb | | 98 |
| 97) | n-butylbenzene | 15.88 | 91 | 1923200 | 101.30 | ppb | | 98 |
| 98) | 1,2-dibromo-3-chloropropan | 16.30 | 75 | 94052 | 87.92 | ppb | | 91 |
| 99) | 1,2,4-trichlorobenzene | 17.68 | 180 | 882224 | 104.27 | ppb | | 100 |
| 100) | hexachlorobutadiene | 17.98 | 225 | 479965 | 101.57 | ppb | | 100 |
| 101) | naphthalene | 17.96 | 128 | 1812081 | 99.40 | ppb | | 100 |
| 102) | 1,2,3-trichlorobenzene | 18.17 | 180 | 752089 | 101.80 | ppb | | 99 |
| 103) | 2-Methylnaphthalene | 19.43 | 142 | 1206 | 56.65 | ppb | # | 71 |

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\G69215.D  Vial: 1
Acq On : 27 Apr 2007 12:35 pm  Operator: kimt
Sample : CC2782-100  Inst : 5973 G
Misc : MS13436,MSG2784,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 27 13:10 2007  Quant Results File: G042507W.RES

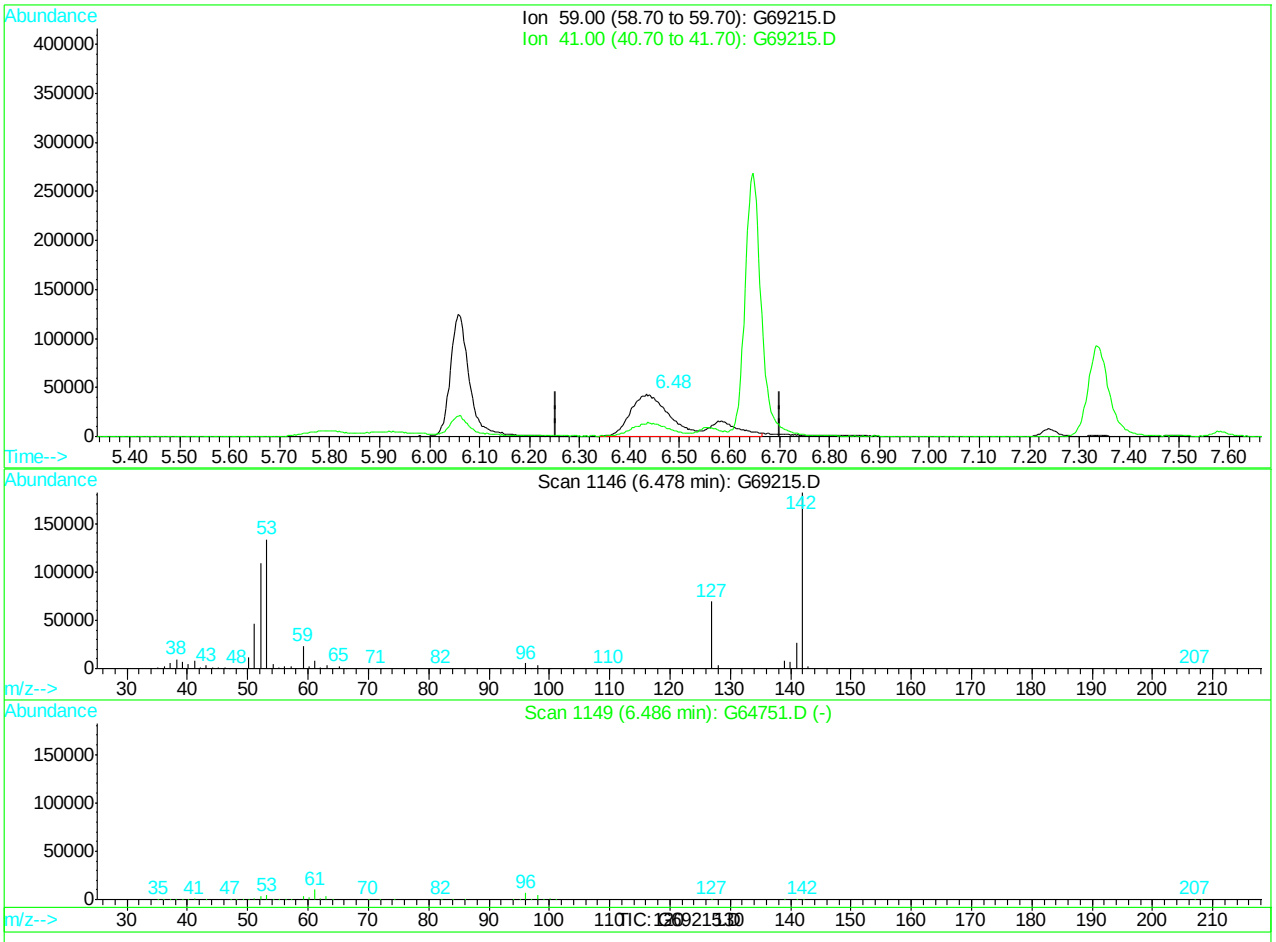
Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69215.D  Vial: 1
Acq On : 27 Apr 2007 12:35 pm  Operator: kimt
Sample : CC2782-100  Inst : 5973 G
Misc : MS13436,MSG2784,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 27 13:08 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Multiple Level Calibration




(2) tertiary butyl alcohol (M)

6.48min 1175.62ppb

response 288405

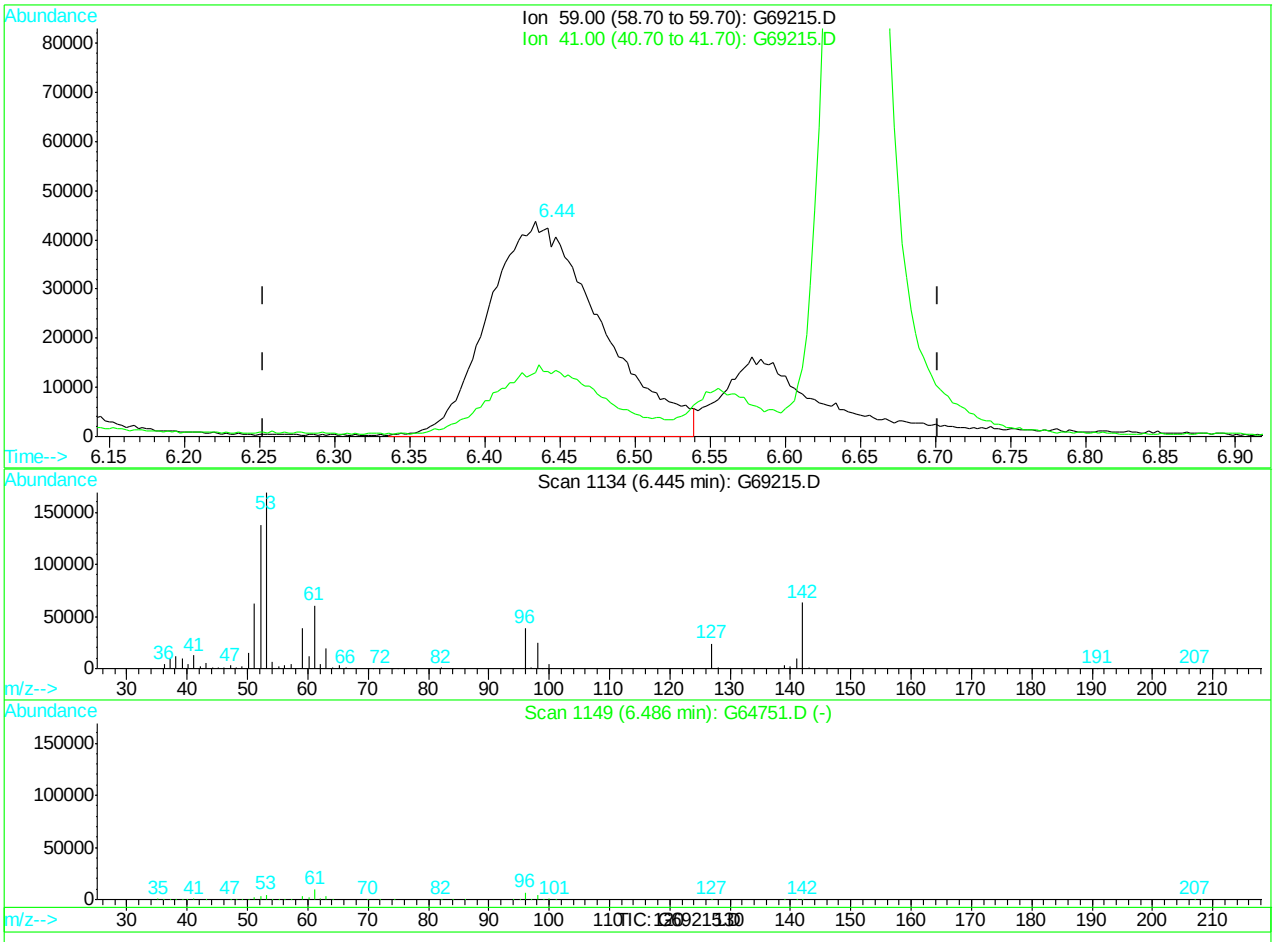
| Ion | Exp% | Act% |
|---|---|---|
| 59.00 | 100 | 100 |
| 41.00 | 34.40 | 32.51 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

G69215.D G042507W.M Fri Apr 27 13:09:16 2007 RP1

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69215.D  Vial: 1
Acq On : 27 Apr 2007 12:35 pm  Operator: kimt
Sample : CC2782-100  Inst : 5973 G
Misc : MS13436,MSG2784,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 27 13:09 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Multiple Level Calibration




(2) tertiary butyl alcohol (M)

6.44min 931.78ppb m

response 228584

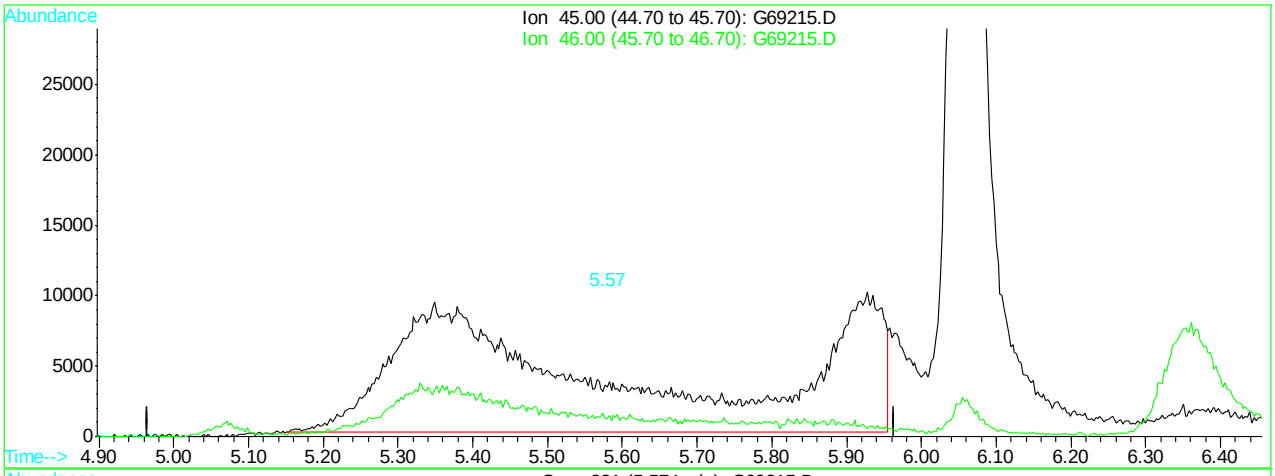
| Ion | Exp% | Act% |
|---|---|---|
| 59.00 | 100 | 100 |
| 41.00 | 34.40 | 33.36 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

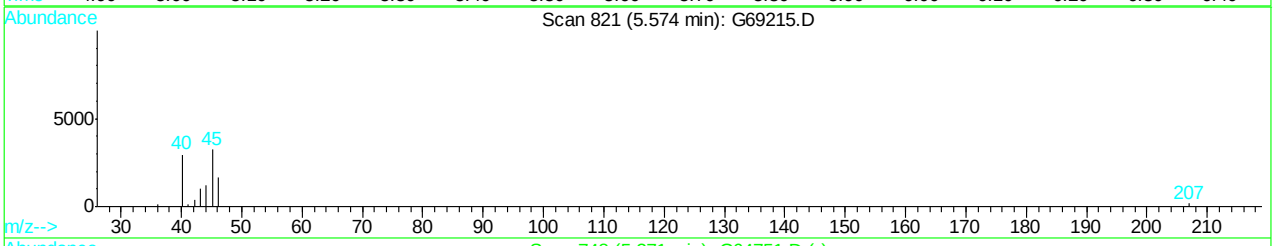
G69215.D G042507W.M Fri Apr 27 13:09:23 2007 RP1

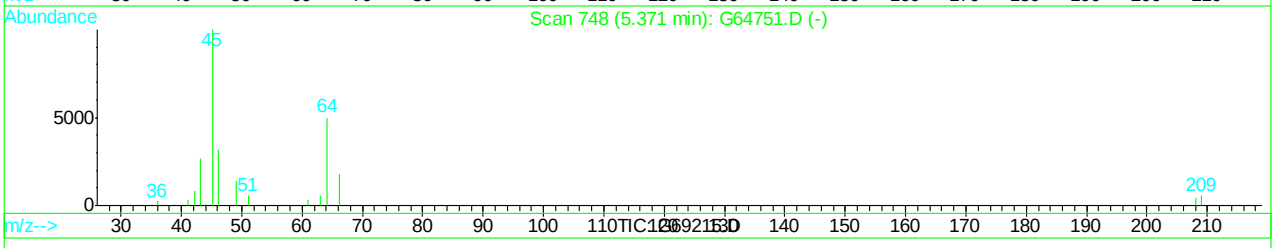
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69215.D  Vial: 1
Acq On : 27 Apr 2007 12:35 pm  Operator: kimt
Sample : CC2782-100  Inst : 5973 G
Misc : MS13436,MSG2784,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 27 13:09 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Multiple Level Calibration




(4) Ethanol (T)

5.57min 9370.41ppb

response 200224

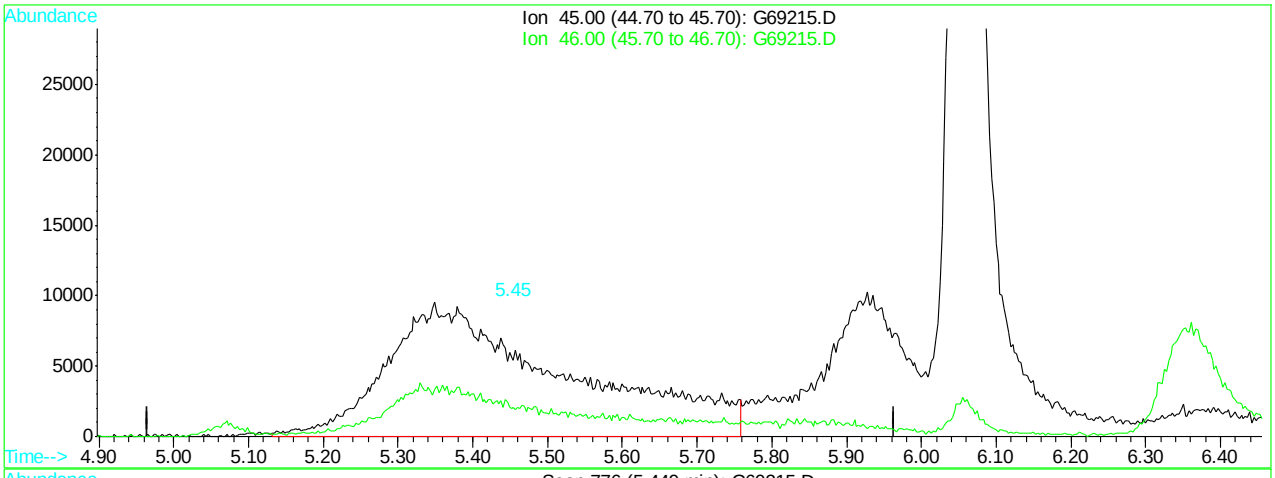
| Ion | Exp% | Act% |
|---|---|---|
| 45.00 | 100 | 100 |
| 46.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

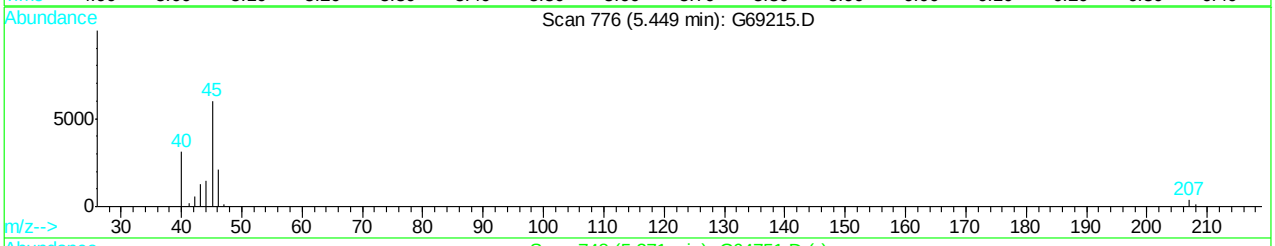
G69215.D G042507W.M Fri Apr 27 13:09:30 2007 RP1

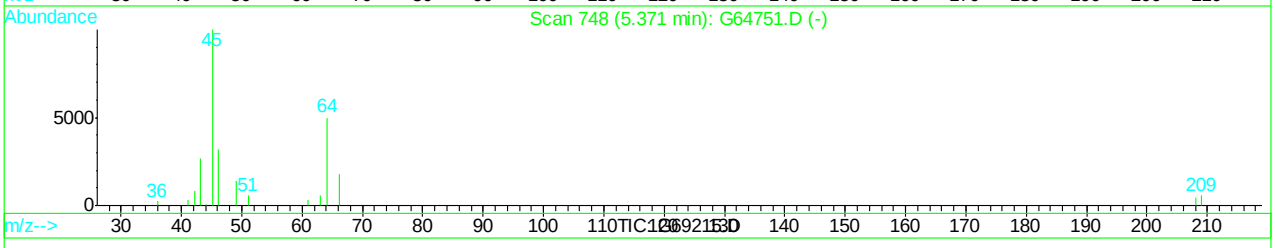
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69215.D  Vial: 1
Acq On : 27 Apr 2007 12:35 pm  Operator: kimt
Sample : CC2782-100  Inst : 5973 G
Misc : MS13436,MSG2784,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 27 13:09 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Multiple Level Calibration




(4) Ethanol (T)

5.45min 7254.36ppb m

response 155869

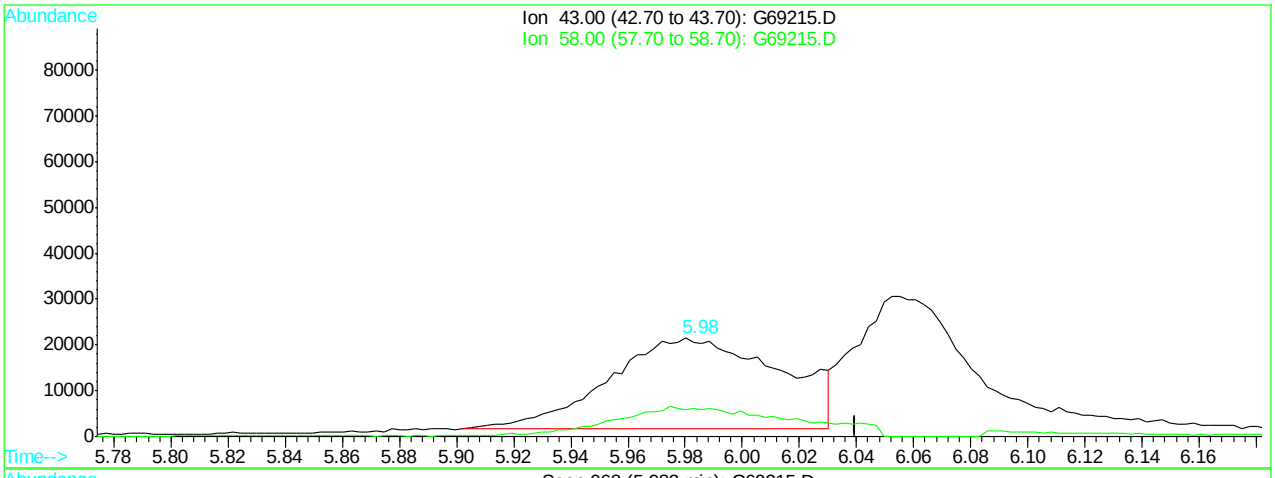
| Ion | Exp% | Act% |
|---|---|---|
| 45.00 | 100 | 100 |
| 46.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

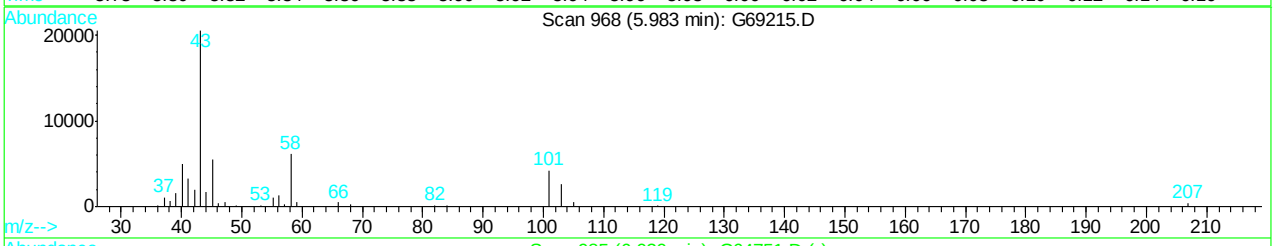
G69215.D G042507W.M Fri Apr 27 13:09:39 2007 RP1

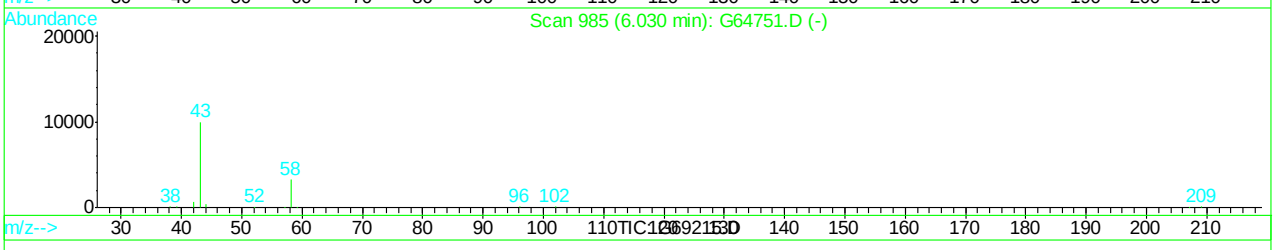
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69215.D  Vial: 1
Acq On : 27 Apr 2007 12:35 pm  Operator: kimt
Sample : CC2782-100  Inst : 5973 G
Misc : MS13436,MSG2784,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 27 13:09 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Multiple Level Calibration




(16) acetone (M)

5.98min 78.32ppb

response 83195

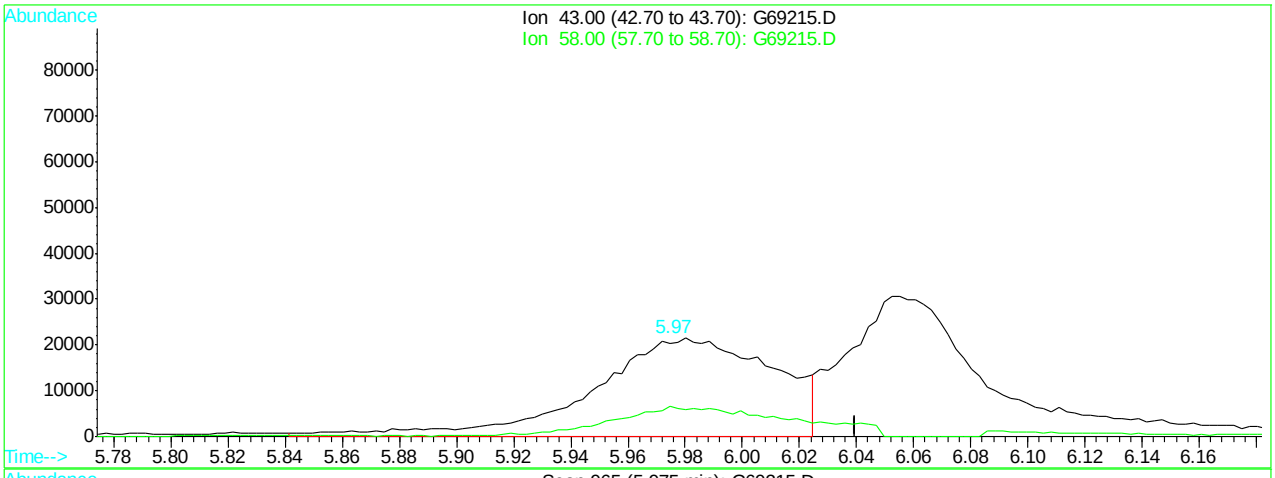
| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 58.00 | 28.80 | 31.50 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

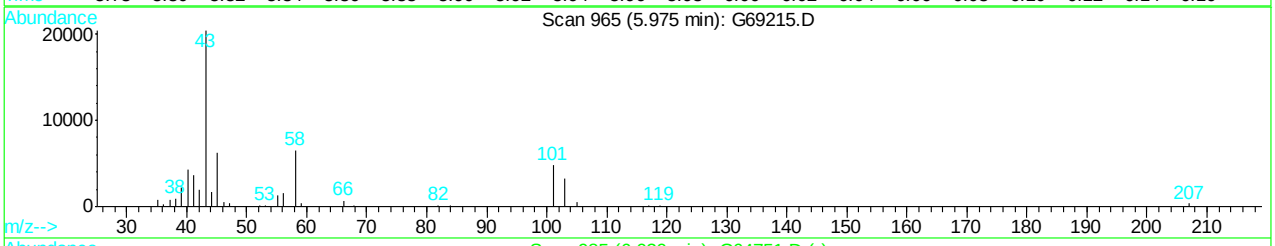
G69215.D G042507W.M Fri Apr 27 13:09:57 2007 RP1

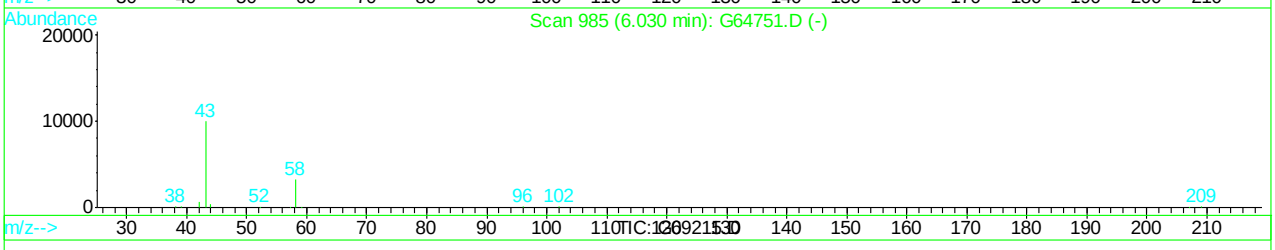
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69215.D  Vial: 1
Acq On : 27 Apr 2007 12:35 pm  Operator: kimt
Sample : CC2782-100  Inst : 5973 G
Misc : MS13436,MSG2784,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 27 13:10 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Multiple Level Calibration




(16) acetone (M)

5.97min 90.34ppb m

response 95955

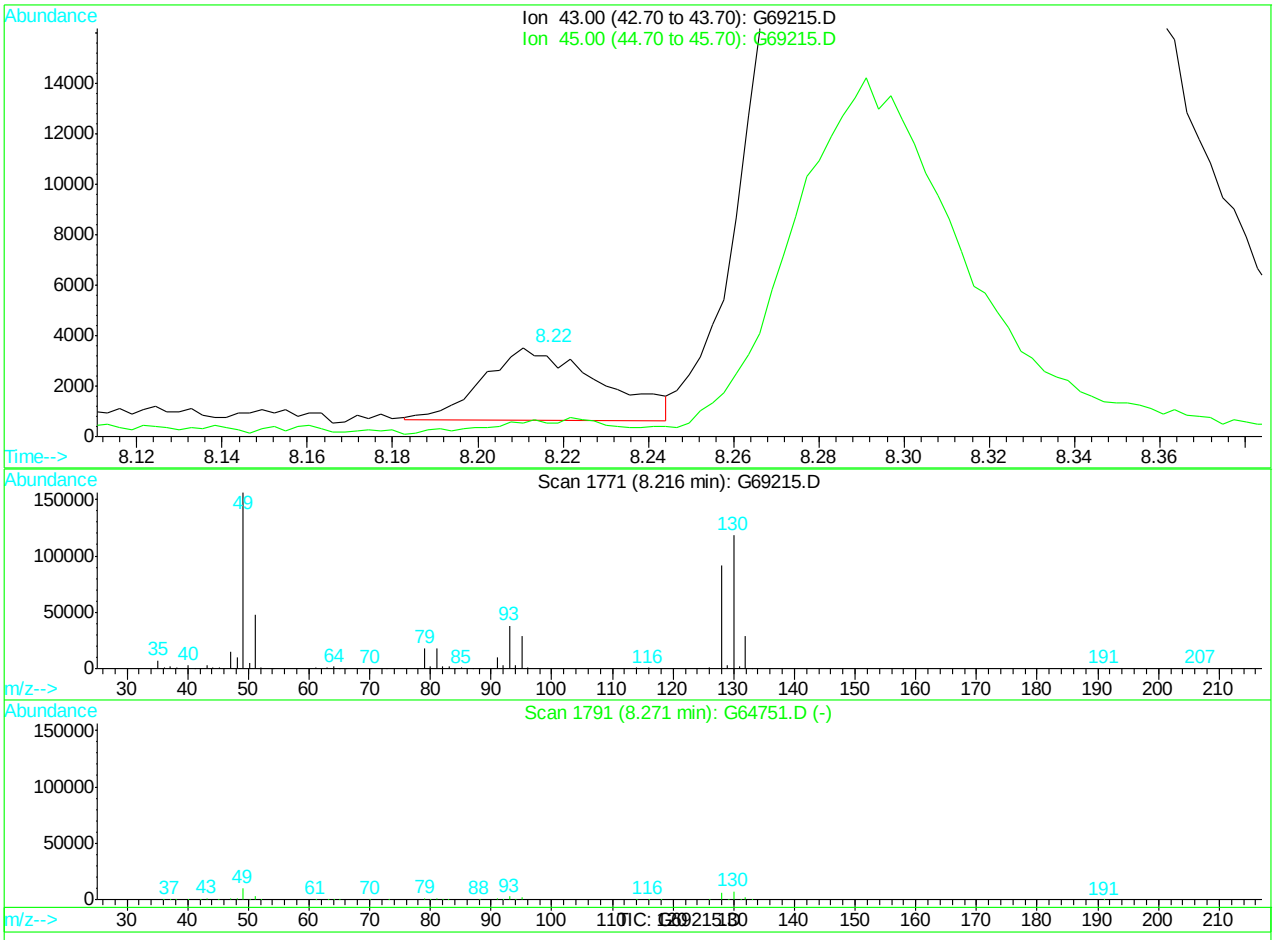
| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 58.00 | 28.80 | 32.01 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

G69215.D G042507W.M Fri Apr 27 13:10:12 2007 RP1

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69215.D  Vial: 1
Acq On : 27 Apr 2007 12:35 pm  Operator: kimt
Sample : CC2782-100  Inst : 5973 G
Misc : MS13436,MSG2784,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 27 13:10 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Multiple Level Calibration




(37) ethyl acetate (M)

8.22min 56.33ppb

response 5465

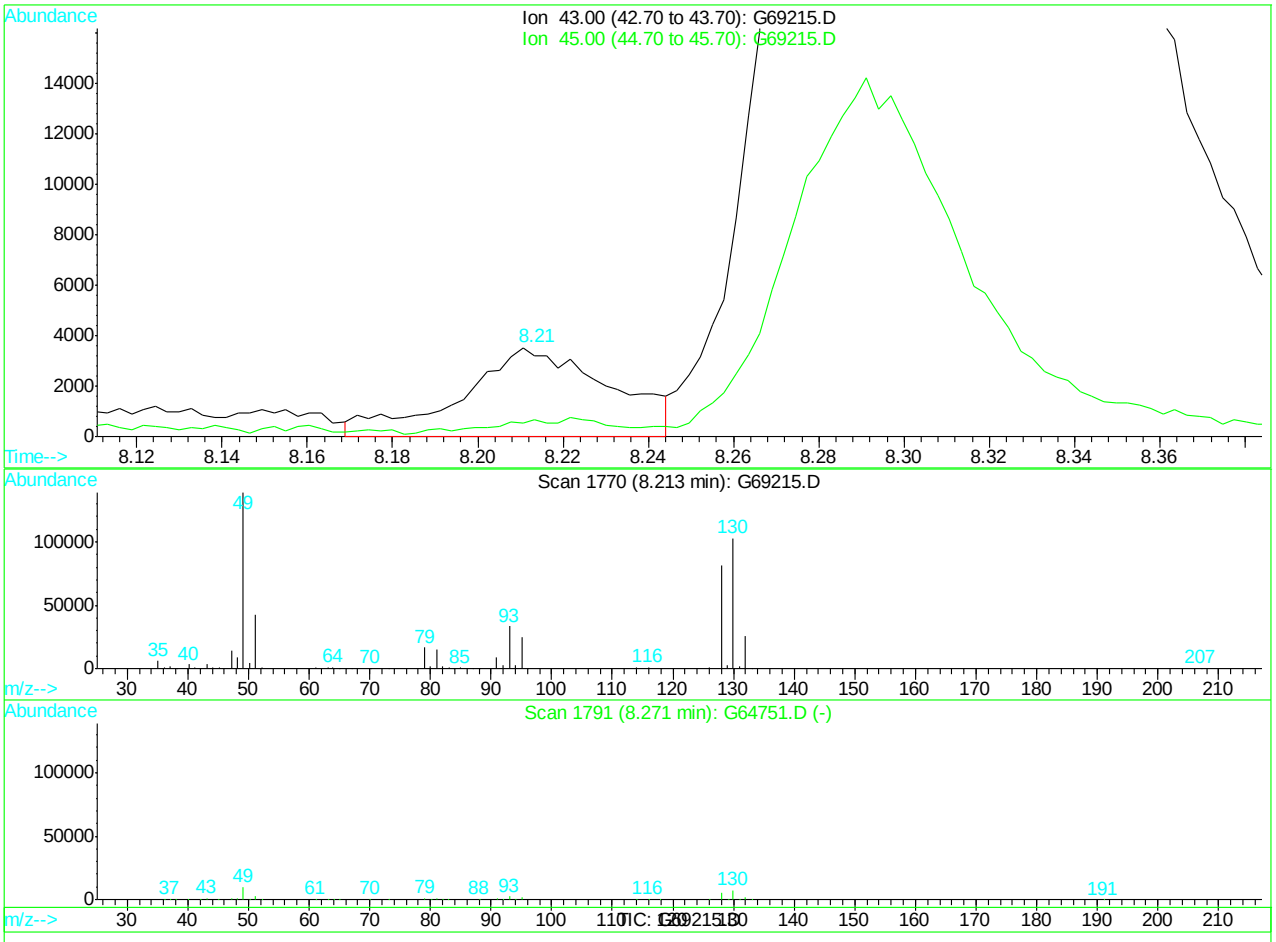
| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 45.00 | 21.00 | 18.36 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

G69215.D G042507W.M Fri Apr 27 13:10:37 2007 RP1

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69215.D  Vial: 1
Acq On : 27 Apr 2007 12:35 pm  Operator: kimt
Sample : CC2782-100  Inst : 5973 G
Misc : MS13436,MSG2784,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 27 13:10 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Multiple Level Calibration




(37) ethyl acetate (M)

8.21min 91.68ppb m

response 8472

| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 45.00 | 21.00 | 20.66 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

G69215.D G042507W.M Fri Apr 27 13:10:48 2007 RP1

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani
05/01/07 14:12

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69286.D Vial: 1
Acq On : 30 Apr 2007 12:30 pm Operator: kimt
Sample : CC2782-100 Inst : 5973 G
Misc : MS13447,MSG2785,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 13:03 2007 Quant Results File: G042507W.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration
DataAcq Meth : G8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 6.46 | 65 | 96358 | 500.00 | ppb | 0.04 |
| 3) pentafluorobenzene | 8.74 | 168 | 492233 | 50.00 | ppb | 0.00 |
| 43) 1,4-difluorobenzene | 9.61 | 114 | 681091 | 50.00 | ppb | 0.00 |
| 66) chlorobenzene-d5 | 12.86 | 82 | 332796 | 50.00 | ppb | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 15.42 | 152 | 384005 | 50.00 | ppb | 0.00 |

System Monitoring Compounds

| | | | | | | |
|---|---|---|---|---|---|---|
| 40) dibromofluoromethane (s) | 8.38 | 113 | 206423 | 48.45 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 83 - 127 | | Recovery = 96.90% | | | |
| 60) toluene-d8 (s) | 11.40 | 98 | 800636 | 48.34 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 89 - 112 | | Recovery = 96.68% | | | |
| 82) bromofluorobenzene (s) | 14.09 | 95 | 303664 | 48.18 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 81 - 119 | | Recovery = 96.36% | | | |

Target Compounds

| | | | | | | | Qvalue |
|---|---|---|---|---|---|---|---|
| 2) tertiary butyl alcohol | 6.54 | 59 | 270820 | 1196.18 | ppb | | 76 |
| 4) Ethanol | 5.65 | 45 | 135777m | 5385.40 | ppb | | |
| 5) dichlorodifluoromethane | 4.15 | 85 | 417946 | 85.71 | ppb | | 94 |
| 6) chloromethane | 4.35 | 50 | 477694 | 85.08 | ppb | | 99 |
| 7) vinyl chloride | 4.63 | 62 | 442241 | 83.21 | ppb | | 98 |
| 8) bromomethane | 5.08 | 96 | 340047 | 85.22 | ppb | | 94 |
| 9) chloroethane | 5.23 | 64 | 300999 | 84.43 | ppb | | 100 |
| 10) ethyl ether | 6.07 | 59 | 366368 | 91.13 | ppb | | 96 |
| 11) acetonitrile | 5.79 | 41 | 44328m | 83.61 | ppb | | |
| 12) trichlorofluoromethane | 5.88 | 101 | 520075 | 88.22 | ppb | | 97 |
| 13) freon-113 | 6.63 | 101 | 365296 | 89.32 | ppb | | 97 |
| 14) acrolein | 5.85 | 56 | 349697 | 432.69 | ppb | | 98 |
| 15) 1,1-dichloroethene | 6.42 | 96 | 385110 | 87.71 | ppb | | 97 |
| 16) acetone | 6.00 | 43 | 56303 | 45.56 | ppb | | 99 |
| 17) Methyl Acetate | 6.61 | 43 | 580976 | 87.10 | ppb | # | 97 |
| 18) methylene chloride | 6.57 | 84 | 467600 | 88.33 | ppb | | 99 |
| 19) methyl tert butyl ether | 7.34 | 73 | 1175664 | 88.65 | ppb | | 100 |
| 20) acrylonitrile | 6.49 | 53 | 817784 | 408.47 | ppb | | 98 |
| 21) allyl chloride | 6.65 | 41 | 681949 | 89.45 | ppb | | 97 |
| 22) trans-1,2-dichloroethene | 7.24 | 96 | 427711 | 86.64 | ppb | | 96 |
| 23) iodomethane | 6.48 | 142 | 745321 | 89.70 | ppb | | 99 |
| 24) carbon disulfide | 6.85 | 76 | 1164048 | 83.04 | ppb | | 99 |
| 25) propionitrile | 6.48 | 54 | 30675 | 80.95 | ppb | | 100 |
| 26) vinyl acetate | 7.59 | 43 | 916015 | 103.77 | ppb | | 98 |
| 27) chloroprene | 7.85 | 53 | 560084 | 91.55 | ppb | | 94 |
| 28) di-isopropyl ether | 7.90 | 45 | 1557680 | 88.39 | ppb | | 97 |
| 29) methacrylonitrile | 8.01 | 41 | 281729 | 81.27 | ppb | | 99 |
| 30) 2-butanone | 7.92 | 72 | 47120 | 73.76 | ppb | # | 76 |
| 31) Hexane | 7.88 | 41 | 646182 | 88.06 | ppb | | 88 |
| 32) 1,1-dichloroethane | 7.49 | 63 | 746970 | 86.64 | ppb | | 99 |
| 33) tert-butyl ethyl ether | 8.30 | 59 | 1389088 | 92.77 | ppb | | 98 |
| 34) isobutyl alcohol | 8.32 | 43 | 209703 | 385.08 | ppb | # | 33 |
| 35) 2,2-dichloropropane | 8.36 | 77 | 550669 | 99.81 | ppb | | 99 |
| 36) cis-1,2-dichloroethene | 8.06 | 96 | 486846 | 87.54 | ppb | | 92 |
| 37) ethyl acetate | 8.22 | 43 | 6705 | 59.82 | ppb | | 73 |

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69286.D Vial: 1
Acq On : 30 Apr 2007 12:30 pm Operator: kimt
Sample : CC2782-100 Inst : 5973 G
Misc : MS13447,MSG2785,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 13:03 2007 Quant Results File: G042507W.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration
DataAcq Meth : G8260

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|---|---|---|---|---|---|---|
| 38) bromochloromethane | 8.22 | 128 | 243902 | 89.04 | ppb | 97 |
| 39) chloroform | 8.26 | 83 | 748248 | 88.14 | ppb | 96 |
| 41) Tetrahydrofuran | 8.62 | 42 | 118987 | 80.09 | ppb | 99 |
| 42) 1,1,1-trichloroethane | 9.02 | 97 | 616047 | 88.51 | ppb | 98 |
| 44) Cyclohexane | 9.30 | 56 | 710728 | 89.81 | ppb | 99 |
| 45) carbon tetrachloride | 9.38 | 117 | 576547 | 91.57 | ppb | 98 |
| 46) 1,1-dichloropropene | 9.18 | 75 | 558935 | 93.01 | ppb | 98 |
| 47) benzene | 9.41 | 78 | 1743182 | 90.77 | ppb | 99 |
| 48) 1,2-dichloroethane | 8.91 | 62 | 529607 | 88.39 | ppb | 98 |
| 49) tert-amyl methyl ether | 9.54 | 73 | 1294377 | 95.33 | ppb | 98 |
| 50) heptane | 9.89 | 43 | 609416 | 94.18 | ppb | 98 |
| 51) trichloroethene | 10.03 | 95 | 434219 | 91.57 | ppb | 93 |
| 52) 1,2-dichloropropane | 9.99 | 63 | 428747 | 89.08 | ppb | 98 |
| 53) dibromomethane | 9.97 | 93 | 268689 | 88.08 | ppb | 94 |
| 54) bromodichloromethane | 10.08 | 83 | 609105 | 90.59 | ppb | 95 |
| 55) Methylcyclohexane | 10.55 | 83 | 745559 | 93.22 | ppb | 95 |
| 56) 2-chloroethyl vinyl ether | 10.45 | 63 | 235823 | 78.19 | ppb | 98 |
| 57) methyl methacrylate | 10.18 | 69 | 292508 | 89.75 | ppb | 98 |
| 58) 1,4-dioxane | 10.30 | 88 | 8340 | 290.51 | ppb | 71 |
| 59) cis-1,3-dichloropropene | 10.70 | 75 | 709260 | 96.63 | ppb | 97 |
| 61) 4-methyl-2-pentanone | 10.79 | 43 | 401420 | 80.99 | ppb | 97 |
| 62) toluene | 11.47 | 92 | 1128005 | 91.43 | ppb | 99 |
| 63) trans-1,3-dichloropropene | 11.11 | 75 | 588188 | 96.36 | ppb | 96 |
| 64) 1,1,2-trichloroethane | 11.29 | 83 | 314921 | 84.83 | ppb | 100 |
| 65) ethyl methacrylate | 11.49 | 69 | 544751 | 88.43 | ppb | 92 |
| 67) tetrachloroethene | 12.21 | 166 | 557211 | 99.28 | ppb | 99 |
| 68) 1,3-dichloropropane | 11.52 | 76 | 651031 | 89.49 | ppb | 99 |
| 69) dibromochloromethane | 11.81 | 129 | 488202 | 93.11 | ppb | 100 |
| 70) 1,2-dibromoethane | 12.06 | 107 | 398842 | 91.23 | ppb | 100 |
| 71) 2-hexanone | 11.65 | 43 | 282739 | 85.12 | ppb | 99 |
| 72) chlorobenzene | 12.89 | 112 | 1279226 | 93.21 | ppb | 98 |
| 73) 1,1,1,2-tetrachloroethane | 12.81 | 131 | 470618 | 95.72 | ppb | 99 |
| 74) ethylbenzene | 13.07 | 91 | 2122471 | 96.38 | ppb | 100 |
| 75) m,p-xylene | 13.26 | 106 | 1723602 | 196.54 | ppb | 95 |
| 76) o-xylene | 13.67 | 106 | 852304 | 97.29 | ppb | 99 |
| 77) styrene | 13.60 | 104 | 1412832 | 99.18 | ppb | 99 |
| 78) bromoform | 13.42 | 173 | 377327 | 89.11 | ppb | 97 |
| 79) trans-1,4-dichloro-2-buten | 13.82 | 53 | 113232 | 83.98 | ppb | 97 |
| 81) isopropylbenzene | 14.03 | 105 | 1979454 | 96.61 | ppb | 99 |
| 83) bromobenzene | 14.32 | 156 | 638836 | 92.66 | ppb | 93 |
| 84) 1,1,2,2-tetrachloroethane | 13.67 | 83 | 514670 | 81.44 | ppb | 99 |
| 85) 1,2,3-trichloropropane | 13.82 | 75 | 542306 | 82.38 | ppb | 99 |
| 86) n-propylbenzene | 14.48 | 91 | 2570925 | 93.99 | ppb | 98 |
| 87) 2-chlorotoluene | 14.60 | 91 | 1532850 | 92.30 | ppb | 97 |
| 88) 4-chlorotoluene | 14.67 | 91 | 1536516 | 91.32 | ppb | 98 |
| 89) 1,3,5-trimethylbenzene | 14.76 | 105 | 1893411 | 96.46 | ppb | 98 |
| 90) tert-butylbenzene | 15.06 | 91 | 1025242 | 99.14 | ppb | 98 |
| 91) 1,2,4-trimethylbenzene | 15.17 | 105 | 1949223 | 95.99 | ppb | 100 |
| 92) sec-butylbenzene | 15.29 | 105 | 2525193 | 97.88 | ppb | 99 |

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\G69286.D Vial: 1
Acq On : 30 Apr 2007 12:30 pm Operator: kimt
Sample : CC2782-100 Inst : 5973 G
Misc : MS13447,MSG2785,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 13:03 2007 Quant Results File: G042507W.RES

Quant Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration
DataAcq Meth : G8260

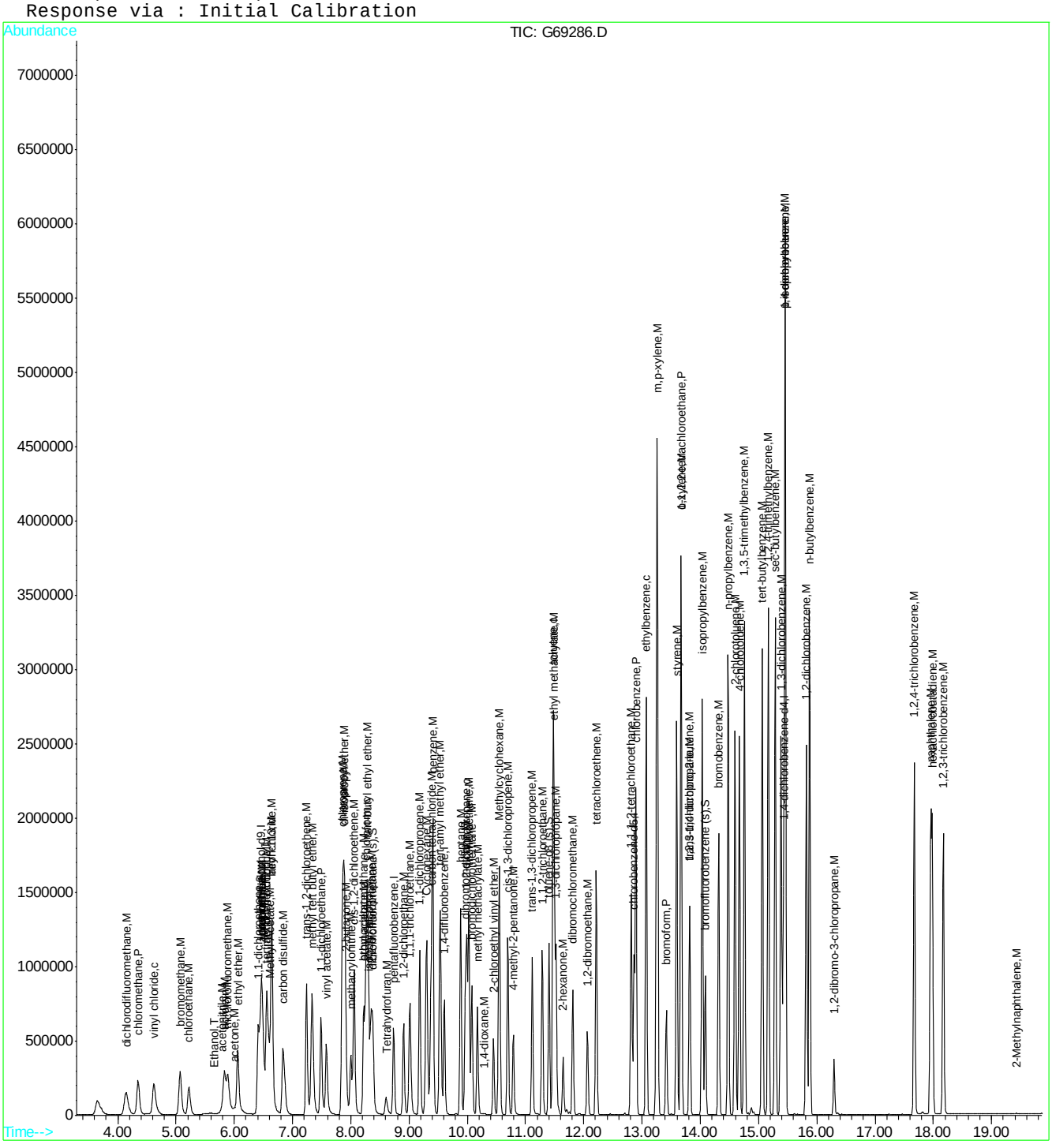
| | Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|---|---|---|---|---|---|---|---|
| 93) | 1,3-dichlorobenzene | 15.38 | 146 | 1215497 | 93.20 | ppb | 98 |
| 94) | p-isopropyltoluene | 15.46 | 119 | 2232185 | 98.31 | ppb | 98 |
| 95) | 1,4-dichlorobenzene | 15.45 | 146 | 1280073 | 94.22 | ppb | 99 |
| 96) | 1,2-dichlorobenzene | 15.82 | 146 | 1179189 | 94.41 | ppb | 100 |
| 97) | n-butylbenzene | 15.88 | 91 | 1984827 | 98.59 | ppb | 97 |
| 98) | 1,2-dibromo-3-chloropropan | 16.30 | 75 | 88821 | 78.30 | ppb | 87 |
| 99) | 1,2,4-trichlorobenzene | 17.67 | 180 | 901270 | 100.45 | ppb | 100 |
| 100) | hexachlorobutadiene | 17.98 | 225 | 508654 | 101.51 | ppb | 99 |
| 101) | naphthalene | 17.95 | 128 | 1735323 | 89.77 | ppb | 100 |
| 102) | 1,2,3-trichlorobenzene | 18.17 | 180 | 748325 | 95.52 | ppb | 99 |
| 103) | 2-Methylnaphthalene | 19.43 | 142 | 1066 | 45.63 | ppb | 94 |

(#) = qualifier out of range (m) = manual integration
G69286.D G042507W.M Mon Apr 30 13:06:15 2007 RP1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\G69286.D  Vial: 1
Acq On : 30 Apr 2007 12:30 pm  Operator: kimt
Sample : CC2782-100  Inst : 5973 G
Misc : MS13447,MSG2785,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 13:03 2007  Quant Results File: G042507W.RES

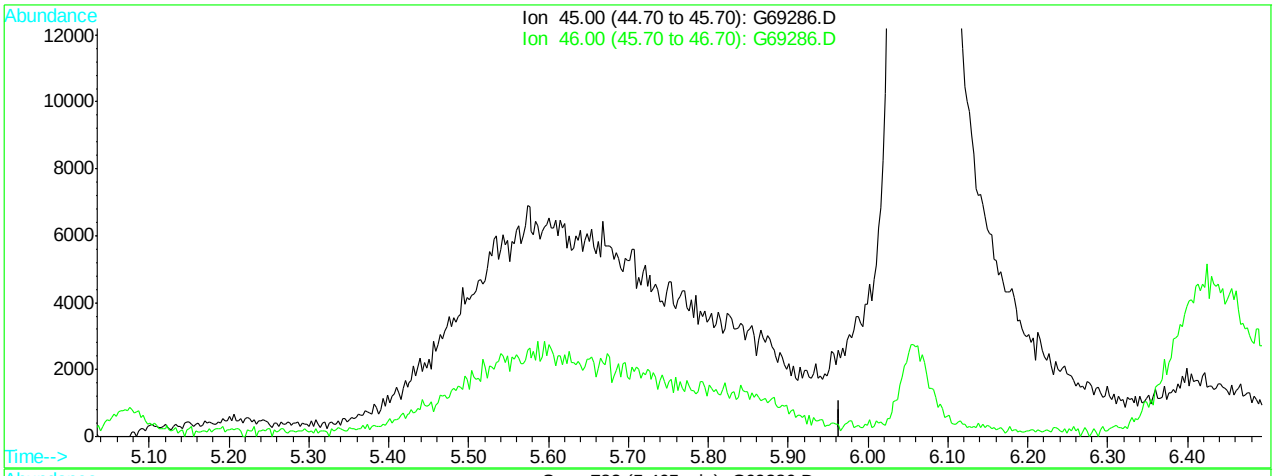
Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Initial Calibration

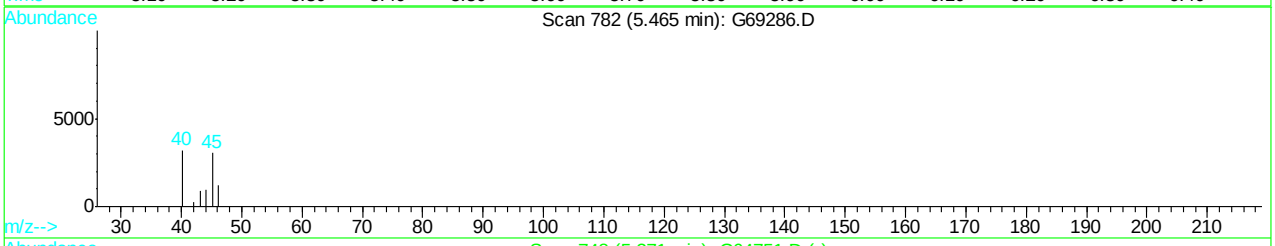


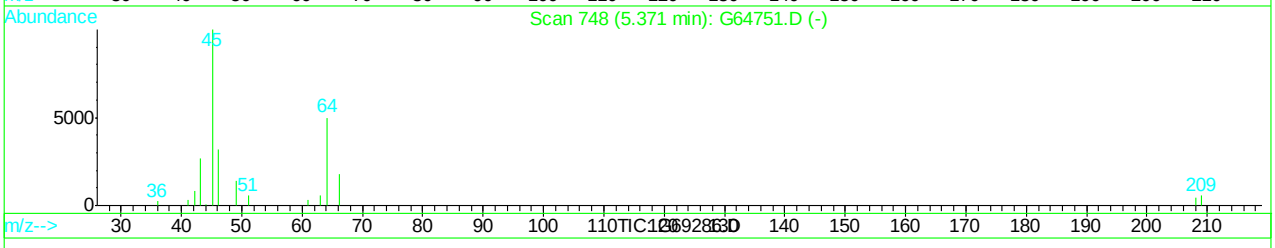
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69286.D  Vial: 1
Acq On : 30 Apr 2007 12:30 pm  Operator: kimt
Sample : CC2782-100  Inst : 5973 G
Misc : MS13447,MSG2785,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 13:02 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Multiple Level Calibration




(4) Ethanol (T)

5.47min 0.00ppb

response 0

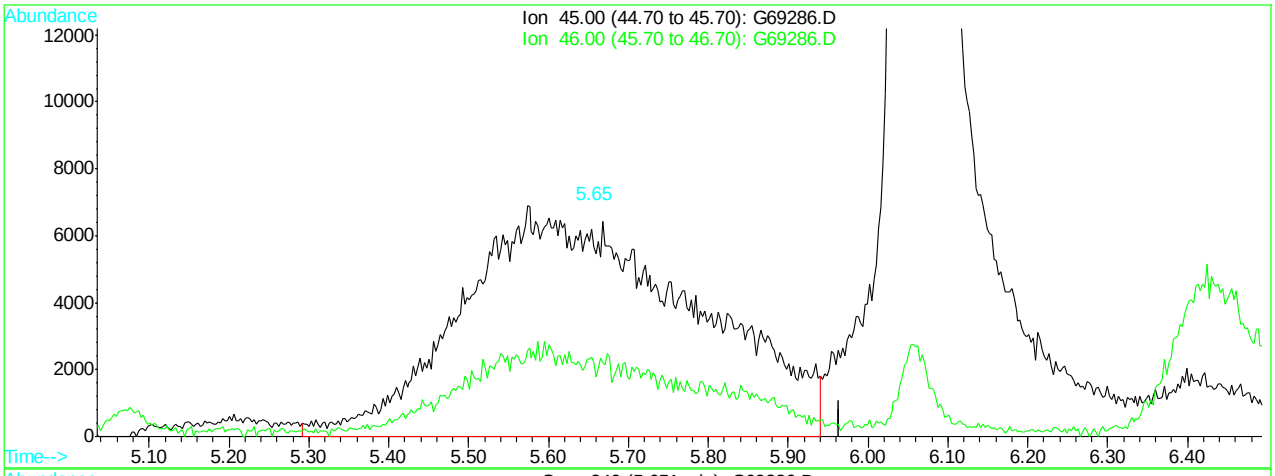
| Ion | Exp% | Act% |
|---|---|---|
| 45.00 | 100 | 0.00 |
| 46.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

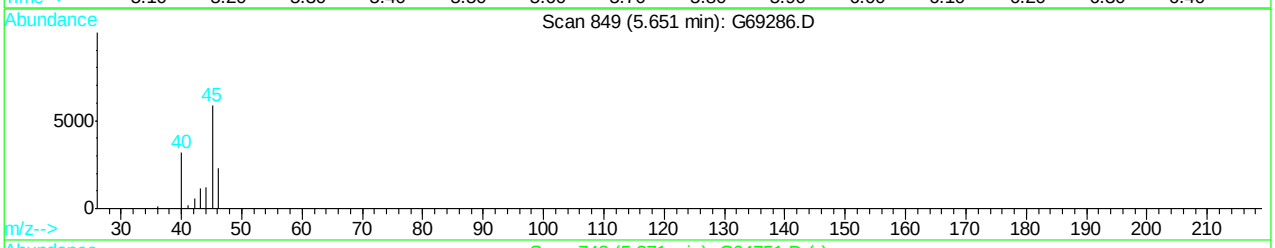
G69286.D G042507W.M Mon Apr 30 13:03:08 2007 RP1

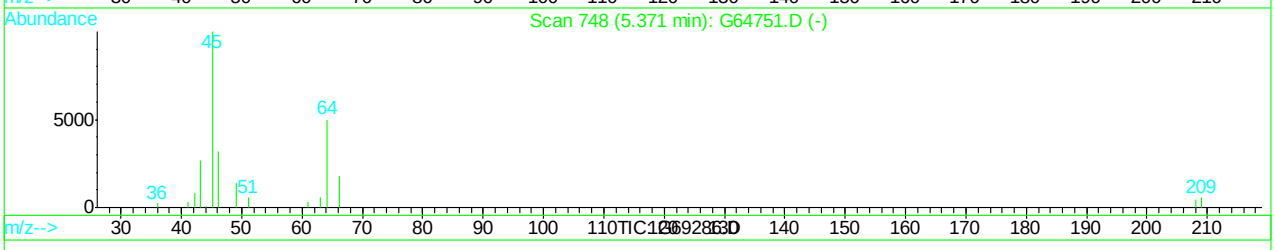
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69286.D  Vial: 1
Acq On : 30 Apr 2007 12:30 pm  Operator: kimt
Sample : CC2782-100  Inst : 5973 G
Misc : MS13447,MSG2785,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 13:03 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Multiple Level Calibration




(4) Ethanol (T)

5.65min 5385.40ppb m

response 135777

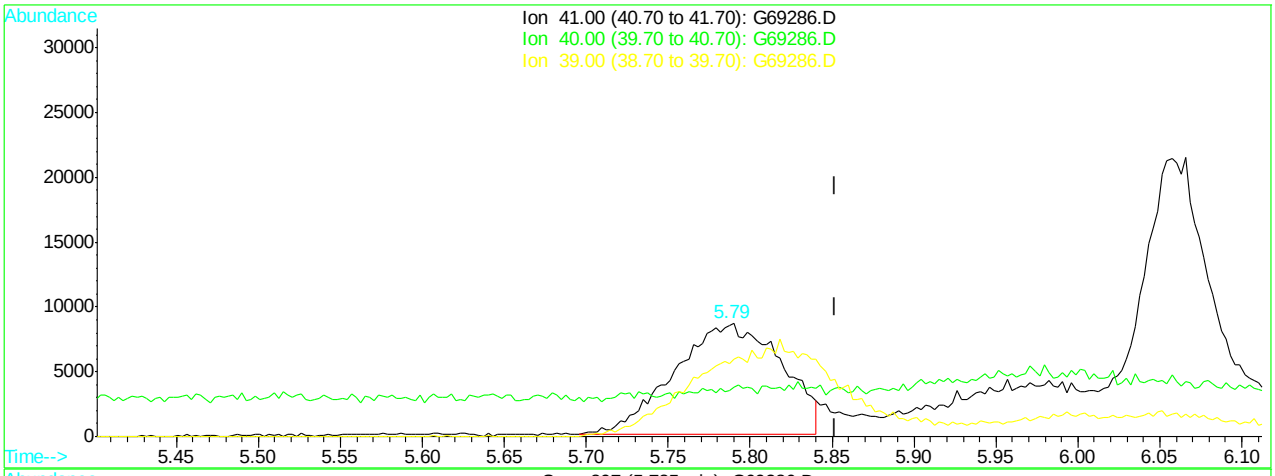
| Ion | Exp% | Act% |
|---|---|---|
| 45.00 | 100 | 100 |
| 46.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

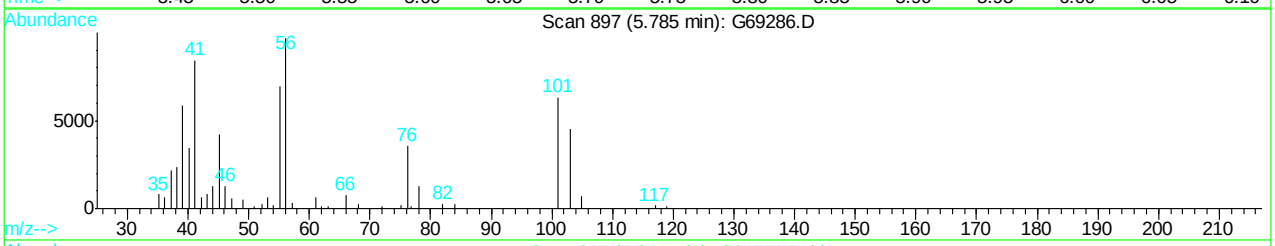
G69286.D G042507W.M Mon Apr 30 13:03:14 2007 RP1

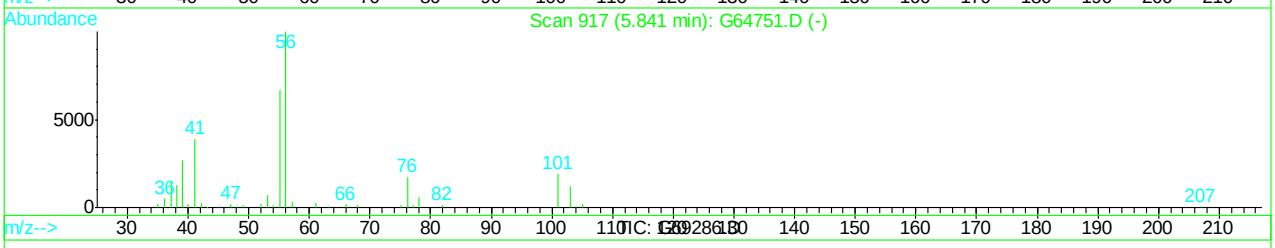
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69286.D  Vial: 1
Acq On : 30 Apr 2007 12:30 pm  Operator: kimt
Sample : CC2782-100  Inst : 5973 G
Misc : MS13447,MSG2785,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 13:03 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Multiple Level Calibration




(11) acetonitrile (M)

5.79min 75.13ppb

response 39027

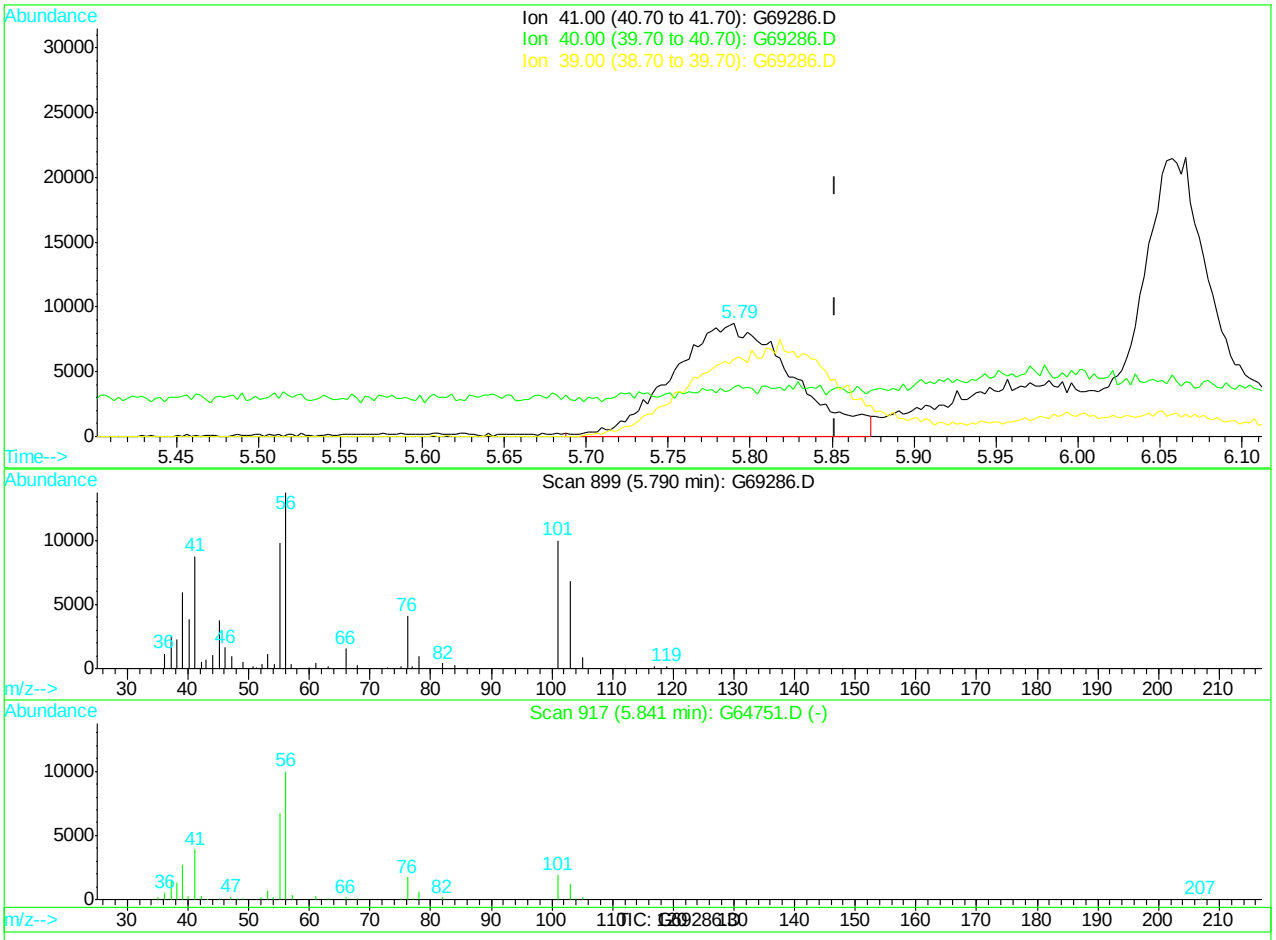
| Ion | Exp% | Act% |
|---|---|---|
| 41.00 | 100 | 100 |
| 40.00 | 242.10 | 4.82# |
| 39.00 | 74.00 | 70.81 |
| 0.00 | 0.00 | 0.00 |

G69286.D G042507W.M Mon Apr 30 13:03:32 2007 RP1

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\G69286.D  Vial: 1
Acq On : 30 Apr 2007 12:30 pm  Operator: kimt
Sample : CC2782-100  Inst : 5973 G
Misc : MS13447,MSG2785,,,,5,1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 30 13:03 2007  Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\G042507W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Apr 26 16:15:35 2007
Response via : Multiple Level Calibration




(11) acetonitrile (M)

5.79min 83.61ppb m

response 44328

| Ion | Exp% | Act% |
|---|---|---|
| 41.00 | 100 | 100 |
| 40.00 | 242.10 | 43.76# |
| 39.00 | 74.00 | 68.06 |
| 0.00 | 0.00 | 0.00 |

G69286.D G042507W.M Mon Apr 30 13:03:39 2007 RP1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18732.D Vial: 16
Acq On : 20 Apr 2007 3:22 pm Operator: alit
Sample : icc678-100 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 12:42:20 2007 Quant Results File: N042007W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 12:40:56 2007
Response via : Initial Calibration
DataAcq Meth : N8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 5.86 | 65 | 91613 | 500.00 | ug/L | 0.00 |
| 3) pentafluorobenzene | 8.28 | 168 | 184004 | 50.00 | ug/L | 0.00 |
| 43) 1,4-difluorobenzene | 9.13 | 114 | 253543 | 50.00 | ug/L | 0.00 |
| 66) chlorobenzene-d5 | 12.38 | 82 | 144776 | 50.00 | ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 14.94 | 152 | 192756 | 50.00 | ug/L | 0.00 |

System Monitoring Compounds

| | | | | | | |
|---|---|---|---|---|---|---|
| 40) dibromofluoromethane (s) | 7.90 | 113 | 92218 | 52.77 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 84 - 129 | | Recovery = 105.54% | | | |
| 60) toluene-d8 (s) | 10.93 | 98 | 332411 | 52.21 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 104.42% | | | |
| 82) bromofluorobenzene (s) | 13.61 | 95 | 145777 | 47.83 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 82 - 118 | | Recovery = 95.66% | | | |

| Target Compounds | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 2) tertiary butyl alcohol | 5.94 | 59 | 208625 | 909.94 | ug/L | 100 |
| 4) Ethanol | 4.78 | 45 | 208468 | 11475.73 | ug/L | 100 |
| 5) dichlorodifluoromethane | 3.71 | 85 | 131971 | 114.97 | ug/L | 100 |
| 6) chloromethane | 3.94 | 50 | 145372 | 104.16 | ug/L | 100 |
| 7) vinyl chloride | 4.16 | 62 | 125640 | 109.60 | ug/L | 100 |
| 8) bromomethane | 4.61 | 96 | 81083 | 104.01 | ug/L | 100 |
| 9) chloroethane | 4.77 | 64 | 59984 | 104.74 | ug/L | 99 |
| 10) ethyl ether | 5.61 | 59 | 126915 | 107.41 | ug/L | 100 |
| 11) acetonitrile | 5.38 | 41 | 43655 | 118.63 | ug/L | 100 |
| 12) trichlorofluoromethane | 5.38 | 101 | 209780 | 103.26 | ug/L | 100 |
| 13) freon-113 | 6.13 | 101 | 120007 | 106.23 | ug/L | 100 |
| 14) acrolein | 5.36 | 56 | 189049 | 594.04 | ug/L | 100 |
| 15) 1,1-dichloroethene | 5.94 | 96 | 135852 | 104.47 | ug/L | 100 |
| 16) acetone | 5.49 | 43 | 71664 | 113.36 | ug/L | 100 |
| 17) Methyl Acetate | 6.12 | 43 | 271896 | 115.39 | ug/L | 100 |
| 18) methylene chloride | 6.09 | 84 | 178802 | 104.21 | ug/L | 100 |
| 19) methyl tert butyl ether | 6.86 | 73 | 428374 | 110.35 | ug/L | 100 |
| 20) acrylonitrile | 5.99 | 53 | 397456 | 589.28 | ug/L | 100 |
| 21) allyl chloride | 6.18 | 41 | 173897 | 109.75 | ug/L | 100 |
| 22) trans-1,2-dichloroethene | 6.76 | 96 | 155181 | 103.33 | ug/L | 100 |
| 23) iodomethane | 5.99 | 142 | 170686 | 95.69 | ug/L | 100 |
| 24) carbon disulfide | 6.34 | 76 | 464651 | 108.96 | ug/L | 100 |
| 25) propionitrile | 7.01 | 54 | 31469 | 109.51 | ug/L | 100 |
| 26) vinyl acetate | 7.12 | 43 | 381956 | 111.10 | ug/L | 100 |
| 27) chloroprene | 7.38 | 53 | 187160 | 110.91 | ug/L | 100 |
| 28) di-isopropyl ether | 7.43 | 45 | 553515 | 113.47 | ug/L | 100 |
| 29) methacrylonitrile | 7.53 | 41 | 125557 | 117.08 | ug/L | 100 |
| 30) 2-butanone | 7.42 | 72 | 23904 | 113.20 | ug/L | 100 |
| 31) Hexane | 7.40 | 41 | 197642 | 120.71 | ug/L | 100 |
| 32) 1,1-dichloroethane | 7.01 | 63 | 270345 | 108.62 | ug/L | 100 |
| 33) tert-butyl ethyl ether | 7.82 | 59 | 501572 | 115.96 | ug/L | 100 |
| 34) isobutyl alcohol | 7.42 | 43 | 433961 | 571.41 | ug/L | 100 |
| 35) 2,2-dichloropropane | 7.86 | 77 | 210199 | 120.98 | ug/L | 100 |
| 36) cis-1,2-dichloroethene | 7.58 | 96 | 184552 | 101.78 | ug/L | 100 |
| 37) ethyl acetate | 7.74 | 43 | 3884 | 8.06 | ug/L | 100 |

(#) = qualifier out of range (m) = manual integration
N18732.D N042007W.M Sat Apr 21 13:52:47 2007 RP1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18732.D Vial: 16
Acq On : 20 Apr 2007 3:22 pm Operator: alit
Sample : icc678-100 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 12:42:20 2007 Quant Results File: N042007W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 12:40:56 2007
Response via : Initial Calibration
DataAcq Meth : N8260

| Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|
| 38) bromochloromethane | 7.74 | 128 | 88682 | 103.29 ug/L | 100 |
| 39) chloroform | 7.78 | 83 | 284017 | 106.60 ug/L | 100 |
| 41) Tetrahydrofuran | 8.11 | 42 | 62303 | 118.12 ug/L | 100 |
| 42) 1,1,1-trichloroethane | 8.52 | 97 | 230599 | 113.36 ug/L | 100 |
| 44) Cyclohexane | 8.81 | 56 | 227016 | 109.50 ug/L | 100 |
| 45) carbon tetrachloride | 8.89 | 117 | 206307 | 109.03 ug/L | 100 |
| 46) 1,1-dichloropropene | 8.70 | 75 | 197655 | 105.34 ug/L | 100 |
| 47) benzene | 8.92 | 78 | 626336 | 104.62 ug/L | 100 |
| 48) 1,2-dichloroethane | 8.43 | 62 | 204150 | 104.06 ug/L | 100 |
| 49) tert-amyl methyl ether | 9.05 | 73 | 477898 | 112.13 ug/L | 100 |
| 50) heptane | 9.42 | 43 | 148601 | 110.35 ug/L | 100 |
| 51) trichloroethene | 9.55 | 95 | 169322 | 102.80 ug/L | 100 |
| 52) 1,2-dichloropropane | 9.51 | 63 | 161905 | 106.46 ug/L | 100 |
| 53) dibromomethane | 9.48 | 93 | 113546 | 105.45 ug/L | 100 |
| 54) bromodichloromethane | 9.60 | 83 | 234559 | 108.91 ug/L | 100 |
| 55) Methylcyclohexane | 10.06 | 83 | 250596 | 107.67 ug/L | 100 |
| 56) 2-chloroethyl vinyl ether | 9.51 | 63 | 161905 | 106.07 ug/L # | 100 |
| 57) methyl methacrylate | 9.71 | 69 | 131724 | 116.15 ug/L | 100 |
| 58) 1,4-dioxane | 9.70 | 88 | 15430 | 522.74 ug/L | 100 |
| 59) cis-1,3-dichloropropene | 10.22 | 75 | 262351 | 114.15 ug/L | 100 |
| 61) 4-methyl-2-pentanone | 10.32 | 43 | 202812 | 116.19 ug/L | 100 |
| 62) toluene | 11.00 | 92 | 413768 | 103.98 ug/L | 100 |
| 63) trans-1,3-dichloropropene | 10.65 | 75 | 236037 | 114.19 ug/L | 100 |
| 64) 1,1,2-trichloroethane | 10.81 | 83 | 144513 | 104.94 ug/L | 100 |
| 65) ethyl methacrylate | 11.04 | 69 | 247407 | 115.75 ug/L | 99 |
| 67) tetrachloroethene | 11.74 | 166 | 217776 | 91.00 ug/L | 100 |
| 68) 1,3-dichloropropane | 11.05 | 76 | 271883 | 96.20 ug/L | 100 |
| 69) dibromochloromethane | 11.33 | 129 | 221973 | 100.04 ug/L | 100 |
| 70) 1,2-dibromoethane | 11.58 | 107 | 196137 | 95.86 ug/L | 100 |
| 71) 2-hexanone | 11.18 | 43 | 158832 | 111.66 ug/L | 100 |
| 72) chlorobenzene | 12.42 | 112 | 518513 | 92.41 ug/L | 100 |
| 73) 1,1,1,2-tetrachloroethane | 12.34 | 131 | 182279 | 96.60 ug/L | 100 |
| 74) ethylbenzene | 12.60 | 91 | 851242 | 100.09 ug/L | 100 |
| 75) m,p-xylene | 12.78 | 106 | 694124 | 201.46 ug/L | 100 |
| 76) o-xylene | 13.19 | 106 | 348492 | 101.01 ug/L | 100 |
| 77) styrene | 13.12 | 104 | 576864 | 105.66 ug/L | 100 |
| 78) bromoform | 12.93 | 173 | 199553 | 89.54 ug/L | 100 |
| 79) trans-1,4-dichloro-2-buten | 13.35 | 53 | 80500 | 110.09 ug/L | 100 |
| 81) isopropylbenzene | 13.56 | 105 | 801246 | 103.37 ug/L | 100 |
| 83) bromobenzene | 13.83 | 156 | 289467 | 91.00 ug/L | 100 |
| 84) 1,1,2,2-tetrachloroethane | 13.19 | 83 | 284048 | 100.40 ug/L | 100 |
| 85) 1,2,3-trichloropropane | 13.34 | 75 | 333471 | 103.25 ug/L | 100 |
| 86) n-propylbenzene | 14.00 | 91 | 1154142 | 103.36 ug/L | 100 |
| 87) 2-chlorotoluene | 14.11 | 91 | 678751 | 98.33 ug/L | 100 |
| 88) 4-chlorotoluene | 14.19 | 91 | 705949 | 96.72 ug/L | 100 |
| 89) 1,3,5-trimethylbenzene | 14.29 | 105 | 810573 | 103.48 ug/L | 100 |
| 90) tert-butylbenzene | 14.59 | 91 | 458166 | 106.50 ug/L | 100 |
| 91) 1,2,4-trimethylbenzene | 14.69 | 105 | 866979 | 103.64 ug/L | 100 |
| 92) sec-butylbenzene | 14.81 | 105 | 1141922 | 105.50 ug/L | 100 |

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18732.D Vial: 16
Acq On : 20 Apr 2007 3:22 pm Operator: alit
Sample : icc678-100 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 12:42:20 2007 Quant Results File: N042007W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 12:40:56 2007
Response via : Initial Calibration
DataAcq Meth : N8260

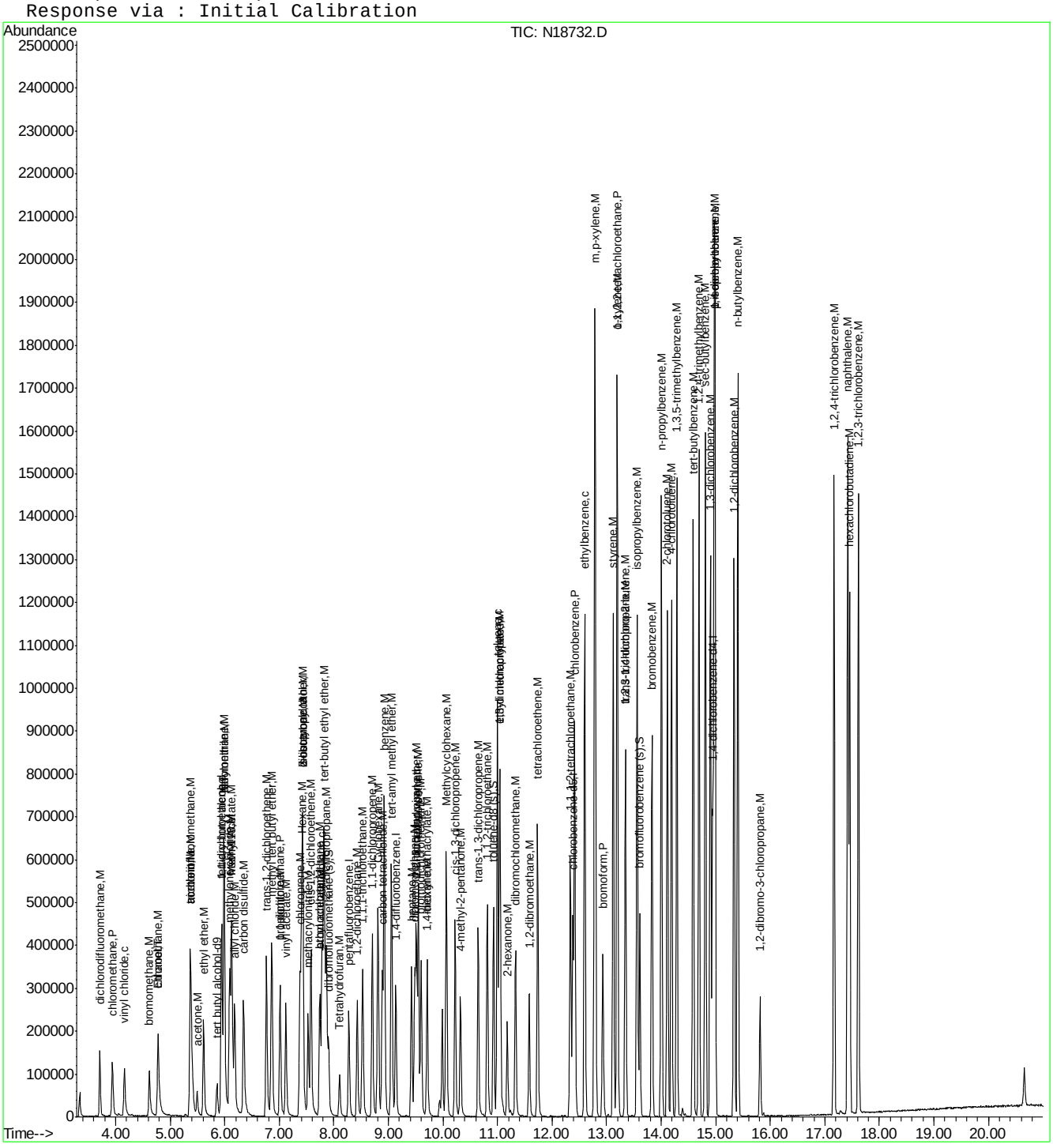
| | Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|---|---|---|---|---|---|---|---|
| 93) | 1,3-dichlorobenzene | 14.90 | 146 | 579276 | 91.29 | ug/L | 100 |
| 94) | p-isopropyltoluene | 14.99 | 119 | 979998 | 101.61 | ug/L | 100 |
| 96) | 1,4-dichlorobenzene | 14.97 | 146 | 610152 | 109.04 | ug/L | 100 |
| 97) | 1,2-dichlorobenzene | 15.34 | 146 | 582635 | 95.47 | ug/L | 100 |
| 98) | n-butylbenzene | 15.40 | 91 | 983109 | 102.22 | ug/L | 100 |
| 99) | 1,2-dibromo-3-chloropropan | 15.81 | 75 | 61783 | 104.71 | ug/L | 100 |
| 100) | 1,2,4-trichlorobenzene | 17.17 | 180 | 493861 | 97.80 | ug/L | 100 |
| 101) | hexachlorobutadiene | 17.45 | 225 | 252197 | 100.08 | ug/L | 100 |
| 102) | naphthalene | 17.42 | 128 | 1201798 | 102.28 | ug/L | 100 |
| 103) | 1,2,3-trichlorobenzene | 17.62 | 180 | 472798 | 104.06 | ug/L | 100 |

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18732.D Vial: 16
Acq On : 20 Apr 2007 3:22 pm Operator: alit
Sample : icc678-100 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 12:42 2007 Quant Results File: N042007W.RES

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:51:39 2007
Response via : Initial Calibration










ACCUTEST Laboratories M64162

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18733.D Vial: 17
Acq On : 20 Apr 2007 3:51 pm Operator: alit
Sample : ic678-400 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 12:42:23 2007 Quant Results File: N042007W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 12:40:56 2007
Response via : Initial Calibration
DataAcq Meth : N8260

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 5.86 | 65 | 97110 | 500.00 ug/L | 0.00 |
| 3) pentafluorobenzene | 8.28 | 168 | 212527 | 50.00 ug/L | 0.00 |
| 43) 1,4-difluorobenzene | 9.14 | 114 | 296753 | 50.00 ug/L | 0.00 |
| 66) chlorobenzene-d5 | 12.38 | 82 | 177848 | 50.00 ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 14.94 | 152 | 246071 | 50.00 ug/L | 0.00 |

System Monitoring Compounds

| | | | | | |
|---|---|---|---|---|---|
| 40) dibromofluoromethane (s) | 7.90 | 113 | 112692 | 55.84 ug/L | 0.00 |
| Spiked Amount 50.000 | Range 84 - 129 | | Recovery = 111.68% | | |
| 60) toluene-d8 (s) | 10.93 | 98 | 403580 | 54.16 ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 108.32% | | |
| 82) bromofluorobenzene (s) | 13.61 | 95 | 194000 | 49.87 ug/L | 0.00 |
| Spiked Amount 50.000 | Range 82 - 118 | | Recovery = 99.74% | | |

| Target Compounds | | | | | Qvalue |
|---|---|---|---|---|---|
| 2) tertiary butyl alcohol | 5.94 | 59 | 882945 | 3633.07 ug/L | 95 |
| 4) Ethanol | 4.78 | 45 | 842970 | 40491.71 ug/L | 99 |
| 5) dichlorodifluoromethane | 3.71 | 85 | 543778 | 404.82 ug/L | 99 |
| 6) chloromethane | 3.94 | 50 | 688023 | 426.82 ug/L | 97 |
| 7) vinyl chloride | 4.15 | 62 | 531611 | 401.51 ug/L | 94 |
| 8) bromomethane | 4.61 | 96 | 430864 | 478.54 ug/L | 99 |
| 9) chloroethane | 4.77 | 64 | 251765 | 380.62 ug/L | 98 |
| 10) ethyl ether | 5.61 | 59 | 575822 | 421.92 ug/L | 98 |
| 11) acetonitrile | 5.38 | 41 | 154664 | 363.87 ug/L | 93 |
| 12) trichlorofluoromethane | 5.38 | 101 | 986783 | 407.66 ug/L | 98 |
| 13) freon-113 | 6.13 | 101 | 533363 | 402.26 ug/L | 97 |
| 14) acrolein | 5.36 | 56 | 759273 | 2065.64 ug/L | 100 |
| 15) 1,1-dichloroethene | 5.94 | 96 | 607548 | 401.20 ug/L | 99 |
| 16) acetone | 5.49 | 43 | 310400 | 425.10 ug/L | 97 |
| 17) Methyl Acetate | 6.12 | 43 | 1161008 | 426.59 ug/L | 97 |
| 18) methylene chloride | 6.09 | 84 | 814274 | 410.88 ug/L | 98 |
| 19) methyl tert butyl ether | 6.86 | 73 | 1892379 | 422.07 ug/L | 100 |
| 20) acrylonitrile | 5.99 | 53 | 1561295 | 2004.17 ug/L | 99 |
| 21) allyl chloride | 6.18 | 41 | 835109 | 456.33 ug/L | 93 |
| 22) trans-1,2-dichloroethene | 6.77 | 96 | 772832 | 445.53 ug/L | 98 |
| 23) iodomethane | 5.99 | 142 | 610927 | 400.51 ug/L | 98 |
| 24) carbon disulfide | 6.34 | 76 | 2099652 | 426.28 ug/L | 99 |
| 25) propionitrile | 7.01 | 54 | 144256 | 434.63 ug/L | 100 |
| 26) vinyl acetate | 7.12 | 43 | 1658861 | 404.86 ug/L | 97 |
| 27) chloroprene | 7.37 | 53 | 797931 | 402.98 ug/L | 100 |
| 28) di-isopropyl ether | 7.43 | 45 | 2181153 | 387.13 ug/L | 95 |
| 29) methacrylonitrile | 7.53 | 41 | 568125 | 458.66 ug/L | 98 |
| 30) 2-butanone | 7.42 | 72 | 104236 | 427.38 ug/L # | 74 |
| 31) Hexane | 7.40 | 41 | 779468 | 412.16 ug/L | 93 |
| 32) 1,1-dichloroethane | 7.01 | 63 | 1264876 | 440.00 ug/L | 99 |
| 33) tert-butyl ethyl ether | 7.82 | 59 | 2099137 | 420.19 ug/L | 97 |
| 34) isobutyl alcohol | 7.42 | 43 | 1729808 | 1972.00 ug/L | 98 |
| 35) 2,2-dichloropropane | 7.86 | 77 | 833899 | 415.55 ug/L | 100 |
| 36) cis-1,2-dichloroethene | 7.58 | 96 | 889305 | 424.63 ug/L | 98 |
| 37) ethyl acetate | 7.74 | 43 | 15489 | 27.83 ug/L | 97 |

(#) = qualifier out of range (m) = manual integration
N18733.D N042007W.M Sat Apr 21 13:52:50 2007 RP1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18733.D Vial: 17
Acq On : 20 Apr 2007 3:51 pm Operator: alit
Sample : ic678-400 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 12:42:23 2007 Quant Results File: N042007W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 12:40:56 2007
Response via : Initial Calibration
DataAcq Meth : N8260

| Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|
| 38) bromochloromethane | 7.74 | 128 | 442227 | 445.94 ug/L | 91 |
| 39) chloroform | 7.78 | 83 | 1355718 | 440.56 ug/L | 99 |
| 41) Tetrahydrofuran | 8.10 | 42 | 288241 | 473.11 ug/L | 93 |
| 42) 1,1,1-trichloroethane | 8.53 | 97 | 1048642 | 446.30 ug/L | 96 |
| 44) Cyclohexane | 8.81 | 56 | 964645 | 398.98 ug/L | 96 |
| 45) carbon tetrachloride | 8.89 | 117 | 894692 | 403.97 ug/L | 98 |
| 46) 1,1-dichloropropene | 8.70 | 75 | 884634 | 400.39 ug/L | 99 |
| 47) benzene | 8.92 | 78 | 2673351 | 381.52 ug/L | 99 |
| 48) 1,2-dichloroethane | 8.43 | 62 | 944701 | 411.42 ug/L | 99 |
| 49) tert-amyl methyl ether | 9.06 | 73 | 2154242 | 431.84 ug/L | 98 |
| 50) heptane | 9.42 | 43 | 629975 | 399.88 ug/L | 96 |
| 51) trichloroethene | 9.55 | 95 | 763469 | 396.02 ug/L | 93 |
| 52) 1,2-dichloropropane | 9.51 | 63 | 711298 | 399.59 ug/L | 98 |
| 53) dibromomethane | 9.48 | 93 | 478780 | 379.90 ug/L | 96 |
| 54) bromodichloromethane | 9.60 | 83 | 1110753 | 440.65 ug/L | 95 |
| 55) Methylcyclohexane | 10.06 | 83 | 1090432 | 399.72 ug/L | 98 |
| 56) 2-chloroethyl vinyl ether | 9.51 | 63 | 711298 | 398.16 ug/L # | 99 |
| 57) methyl methacrylate | 9.71 | 69 | 612551 | 461.46 ug/L | 98 |
| 58) 1,4-dioxane | 9.69 | 88 | 69573 | 2013.79 ug/L | 94 |
| 59) cis-1,3-dichloropropene | 10.22 | 75 | 1245495 | 463.02 ug/L | 100 |
| 61) 4-methyl-2-pentanone | 10.32 | 43 | 961791 | 470.76 ug/L | 97 |
| 62) toluene | 11.00 | 92 | 1898903 | 407.71 ug/L | 98 |
| 63) trans-1,3-dichloropropene | 10.65 | 75 | 1172017 | 484.42 ug/L | 98 |
| 64) 1,1,2-trichloroethane | 10.81 | 83 | 694862 | 431.13 ug/L | 96 |
| 65) ethyl methacrylate | 11.04 | 69 | 1144762 | 457.60 ug/L | 92 |
| 67) tetrachloroethene | 11.74 | 166 | 1093247 | 371.86 ug/L | 98 |
| 68) 1,3-dichloropropane | 11.05 | 76 | 1259378 | 362.74 ug/L | 97 |
| 69) dibromochloromethane | 11.33 | 129 | 1177115 | 431.87 ug/L | 98 |
| 70) 1,2-dibromoethane | 11.58 | 107 | 1009114 | 401.48 ug/L | 99 |
| 71) 2-hexanone | 11.18 | 43 | 768689 | 439.91 ug/L | 97 |
| 72) chlorobenzene | 12.41 | 112 | 2544086 | 369.08 ug/L | 100 |
| 73) 1,1,1,2-tetrachloroethane | 12.33 | 131 | 1000159 | 431.48 ug/L | 96 |
| 74) ethylbenzene | 12.60 | 91 | 4156728 | 397.85 ug/L | 97 |
| 75) m,p-xylene | 12.79 | 106 | 3178235 | 750.89 ug/L | 98 |
| 76) o-xylene | 13.19 | 106 | 1602782 | 378.17 ug/L | 98 |
| 77) styrene | 13.12 | 104 | 2902124 | 432.70 ug/L | 98 |
| 78) bromoform | 12.93 | 173 | 1165076 | 406.02 ug/L | 100 |
| 79) trans-1,4-dichloro-2-buten | 13.35 | 53 | 395139 | 439.91 ug/L # | 87 |
| 81) isopropylbenzene | 13.56 | 105 | 4086681 | 413.00 ug/L | 99 |
| 83) bromobenzene | 13.83 | 156 | 1532956 | 377.50 ug/L | 96 |
| 84) 1,1,2,2-tetrachloroethane | 13.20 | 83 | 1220680 | 337.98 ug/L | 99 |
| 85) 1,2,3-trichloropropane | 13.35 | 75 | 1631464 | 395.69 ug/L | 100 |
| 86) n-propylbenzene | 14.01 | 91 | 5428734 | 380.83 ug/L | 98 |
| 87) 2-chlorotoluene | 14.12 | 91 | 3289662 | 373.30 ug/L | 99 |
| 88) 4-chlorotoluene | 14.19 | 91 | 3401747 | 365.07 ug/L | 100 |
| 89) 1,3,5-trimethylbenzene | 14.29 | 105 | 3941240 | 394.15 ug/L | 99 |
| 90) tert-butylbenzene | 14.59 | 91 | 2251213 | 409.90 ug/L | 100 |
| 91) 1,2,4-trimethylbenzene | 14.70 | 105 | 4100591 | 383.97 ug/L | 99 |
| 92) sec-butylbenzene | 14.81 | 105 | 5276997 | 381.91 ug/L | 99 |

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18733.D Vial: 17
Acq On : 20 Apr 2007 3:51 pm Operator: alit
Sample : ic678-400 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 12:42:23 2007 Quant Results File: N042007W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 12:40:56 2007
Response via : Initial Calibration
DataAcq Meth : N8260

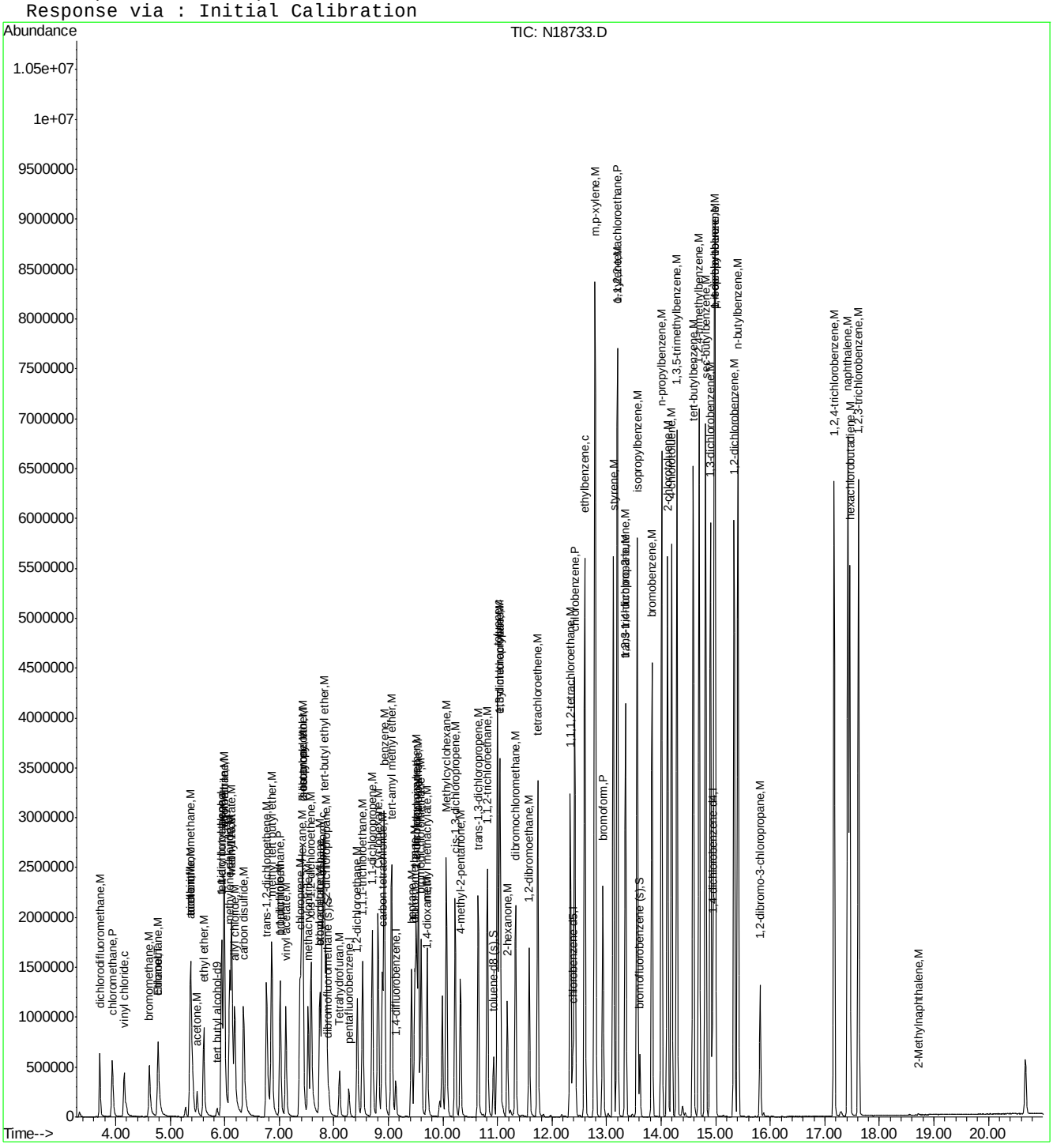
| | Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|---|---|---|---|---|---|---|---|
| 93) | 1,3-dichlorobenzene | 14.90 | 146 | 2798265 | 345.44 | ug/L | 98 |
| 94) | p-isopropyltoluene | 14.99 | 119 | 4331491 | 351.81 | ug/L | 99 |
| 96) | 1,4-dichlorobenzene | 14.97 | 146 | 2670823 | 388.93 | ug/L | 99 |
| 97) | 1,2-dichlorobenzene | 15.34 | 146 | 2768999 | 355.44 | ug/L | 99 |
| 98) | n-butylbenzene | 15.41 | 91 | 4268659 | 347.68 | ug/L | 98 |
| 99) | 1,2-dibromo-3-chloropropan | 15.81 | 75 | 289595 | 384.47 | ug/L | 92 |
| 100) | 1,2,4-trichlorobenzene | 17.17 | 180 | 2274522 | 352.85 | ug/L | 98 |
| 101) | hexachlorobutadiene | 17.46 | 225 | 1225917 | 381.08 | ug/L | 100 |
| 102) | naphthalene | 17.42 | 128 | 5463791 | 364.26 | ug/L | 100 |
| 103) | 1,2,3-trichlorobenzene | 17.62 | 180 | 2221453 | 394.34 | ug/L | 97 |
| 104) | 2-Methylnaphthalene | 18.72 | 142 | 4971 | 400.00 | ug/L | 82 |

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18733.D Vial: 17
Acq On : 20 Apr 2007 3:51 pm Operator: alit
Sample : ic678-400 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 12:42 2007 Quant Results File: N042007W.RES

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:51:39 2007
Response via : Initial Calibration












ACCUTEST Laboratories M64162

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18734.D Vial: 18
Acq On : 20 Apr 2007 4:20 pm Operator: alit
Sample : ic678-200 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 12:42:26 2007 Quant Results File: N042007W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 12:40:56 2007
Response via : Initial Calibration
DataAcq Meth : N8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 5.86 | 65 | 92952 | 500.00 | ug/L | 0.00 |
| 3) pentafluorobenzene | 8.28 | 168 | 249260 | 50.00 | ug/L | 0.00 |
| 43) 1,4-difluorobenzene | 9.14 | 114 | 333510 | 50.00 | ug/L | 0.00 |
| 66) chlorobenzene-d5 | 12.38 | 82 | 178637 | 50.00 | ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 14.94 | 152 | 247845 | 50.00 | ug/L | 0.00 |

System Monitoring Compounds

| | | | | | | |
|---|---|---|---|---|---|---|
| 40) dibromofluoromethane (s) | 7.90 | 113 | 117274 | 49.54 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 84 - 129 | | Recovery = 99.08% | | | |
| 60) toluene-d8 (s) | 10.93 | 98 | 419399 | 50.08 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 100.16% | | | |
| 82) bromofluorobenzene (s) | 13.61 | 95 | 192589 | 49.15 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 82 - 118 | | Recovery = 98.30% | | | |

Target Compounds

| | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 2) tertiary butyl alcohol | 5.94 | 59 | 444679 | 1911.58 | ug/L | 94 |
| 4) Ethanol | 4.78 | 45 | 446647 | 18223.57 | ug/L | 99 |
| 5) dichlorodifluoromethane | 3.71 | 85 | 288436 | 184.22 | ug/L | 98 |
| 6) chloromethane | 3.94 | 50 | 355987 | 188.30 | ug/L | 99 |
| 7) vinyl chloride | 4.16 | 62 | 301545 | 194.19 | ug/L | 96 |
| 8) bromomethane | 4.62 | 96 | 232096 | 219.79 | ug/L | 99 |
| 9) chloroethane | 4.77 | 64 | 143731 | 185.27 | ug/L | 94 |
| 10) ethyl ether | 5.61 | 59 | 309548 | 193.39 | ug/L | 97 |
| 11) acetonitrile | 5.38 | 41 | 85714 | 171.94 | ug/L | 92 |
| 12) trichlorofluoromethane | 5.38 | 101 | 515932 | 184.05 | ug/L | 99 |
| 13) freon-113 | 6.13 | 101 | 297826 | 192.72 | ug/L | 96 |
| 14) acrolein | 5.36 | 56 | 414016 | 960.36 | ug/L | 100 |
| 15) 1,1-dichloroethene | 5.94 | 96 | 347594 | 196.30 | ug/L | 95 |
| 16) acetone | 5.49 | 43 | 145418 | 169.81 | ug/L | 96 |
| 17) Methyl Acetate | 6.12 | 43 | 590210 | 184.90 | ug/L | 96 |
| 18) methylene chloride | 6.09 | 84 | 443731 | 190.91 | ug/L | 94 |
| 19) methyl tert butyl ether | 6.86 | 73 | 1054980 | 200.62 | ug/L | 99 |
| 20) acrylonitrile | 5.99 | 53 | 839569 | 918.90 | ug/L | 98 |
| 21) allyl chloride | 6.18 | 41 | 407824 | 190.01 | ug/L | 92 |
| 22) trans-1,2-dichloroethene | 6.76 | 96 | 415501 | 204.23 | ug/L | 97 |
| 23) iodomethane | 5.99 | 142 | 439801 | 199.70 | ug/L | 97 |
| 24) carbon disulfide | 6.34 | 76 | 1164488 | 201.58 | ug/L | 99 |
| 25) propionitrile | 7.01 | 54 | 71192 | 182.88 | ug/L | 100 |
| 26) vinyl acetate | 7.12 | 43 | 879857 | 185.65 | ug/L | 97 |
| 27) chloroprene | 7.37 | 53 | 436750 | 189.33 | ug/L | 96 |
| 28) di-isopropyl ether | 7.43 | 45 | 1251406 | 189.38 | ug/L | 98 |
| 29) methacrylonitrile | 7.53 | 41 | 273375 | 188.18 | ug/L | 99 |
| 30) 2-butanone | 7.42 | 72 | 53183 | 185.92 | ug/L # | 91 |
| 31) Hexane | 7.40 | 41 | 441888 | 199.22 | ug/L | 88 |
| 32) 1,1-dichloroethane | 7.01 | 63 | 660080 | 195.78 | ug/L | 99 |
| 33) tert-butyl ethyl ether | 7.82 | 59 | 1187663 | 202.70 | ug/L | 98 |
| 34) isobutyl alcohol | 7.42 | 43 | 958104 | 931.29 | ug/L | 99 |
| 35) 2,2-dichloropropane | 7.86 | 77 | 496582 | 210.99 | ug/L | 98 |
| 36) cis-1,2-dichloroethene | 7.58 | 96 | 479706 | 195.30 | ug/L | 98 |
| 37) ethyl acetate | 7.74 | 43 | 7406 | 11.35 | ug/L | 74 |

(#) = qualifier out of range (m) = manual integration
N18734.D N042007W.M Sat Apr 21 13:52:57 2007 RP1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18734.D Vial: 18
Acq On : 20 Apr 2007 4:20 pm Operator: alit
Sample : ic678-200 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 12:42:26 2007 Quant Results File: N042007W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 12:40:56 2007
Response via : Initial Calibration
DataAcq Meth : N8260

| | Compound | R.T. | QIon | Response | Conc Unit | | Qvalue |
|---|---|---|---|---|---|---|---|
| 38) | bromochloromethane | 7.74 | 128 | 234928 | 201.99 ug/L | | 89 |
| 39) | chloroform | 7.79 | 83 | 699387 | 193.78 ug/L | | 99 |
| 41) | Tetrahydrofuran | 8.10 | 42 | 134639 | 188.43 ug/L | | 94 |
| 42) | 1,1,1-trichloroethane | 8.53 | 97 | 562488 | 204.11 ug/L | | 96 |
| 44) | Cyclohexane | 8.81 | 56 | 539011 | 198.09 ug/L | | 96 |
| 45) | carbon tetrachloride | 8.89 | 117 | 508009 | 204.09 ug/L | | 98 |
| 46) | 1,1-dichloropropene | 8.70 | 75 | 487692 | 196.84 ug/L | | 99 |
| 47) | benzene | 8.92 | 78 | 1499330 | 190.39 ug/L | | 100 |
| 48) | 1,2-dichloroethane | 8.43 | 62 | 482367 | 186.92 ug/L | | 98 |
| 49) | tert-amyl methyl ether | 9.05 | 73 | 1179215 | 210.33 ug/L | | 97 |
| 50) | heptane | 9.42 | 43 | 346921 | 195.90 ug/L | | 96 |
| 51) | trichloroethene | 9.55 | 95 | 414319 | 191.22 ug/L | | 93 |
| 52) | 1,2-dichloropropane | 9.51 | 63 | 388049 | 193.97 ug/L | | 99 |
| 53) | dibromomethane | 9.48 | 93 | 260755 | 184.10 ug/L | | 96 |
| 54) | bromodichloromethane | 9.60 | 83 | 583904 | 206.11 ug/L | | 96 |
| 55) | Methylcyclohexane | 10.06 | 83 | 604455 | 197.26 ug/L | | 98 |
| 56) | 2-chloroethyl vinyl ether | 9.51 | 63 | 388049 | 193.28 ug/L | # | 100 |
| 57) | methyl methacrylate | 9.71 | 69 | 313616 | 210.22 ug/L | | 96 |
| 58) | 1,4-dioxane | 9.69 | 88 | 35426 | 912.39 ug/L | | 98 |
| 59) | cis-1,3-dichloropropene | 10.22 | 75 | 651707 | 215.57 ug/L | | 100 |
| 61) | 4-methyl-2-pentanone | 10.32 | 43 | 453533 | 197.52 ug/L | | 97 |
| 62) | toluene | 11.00 | 92 | 1026876 | 196.18 ug/L | | 100 |
| 63) | trans-1,3-dichloropropene | 10.65 | 75 | 590271 | 217.08 ug/L | | 99 |
| 64) | 1,1,2-trichloroethane | 10.81 | 83 | 357654 | 197.45 ug/L | | 98 |
| 65) | ethyl methacrylate | 11.04 | 69 | 598790 | 212.98 ug/L | | 95 |
| 67) | tetrachloroethene | 11.74 | 166 | 578285 | 195.83 ug/L | | 97 |
| 68) | 1,3-dichloropropane | 11.05 | 76 | 669602 | 192.01 ug/L | | 98 |
| 69) | dibromochloromethane | 11.33 | 129 | 579711 | 211.75 ug/L | | 99 |
| 70) | 1,2-dibromoethane | 11.58 | 107 | 501061 | 198.47 ug/L | | 100 |
| 71) | 2-hexanone | 11.18 | 43 | 348034 | 198.30 ug/L | | 97 |
| 72) | chlorobenzene | 12.41 | 112 | 1328342 | 191.86 ug/L | | 99 |
| 73) | 1,1,1,2-tetrachloroethane | 12.33 | 131 | 485890 | 208.70 ug/L | | 98 |
| 74) | ethylbenzene | 12.60 | 91 | 2150912 | 204.96 ug/L | | 96 |
| 75) | m,p-xylene | 12.79 | 106 | 1729748 | 406.87 ug/L | | 100 |
| 76) | o-xylene | 13.19 | 106 | 880304 | 206.79 ug/L | | 95 |
| 77) | styrene | 13.12 | 104 | 1521120 | 225.79 ug/L | | 99 |
| 78) | bromoform | 12.93 | 173 | 550140 | 193.63 ug/L | | 100 |
| 79) | trans-1,4-dichloro-2-buten | 13.35 | 53 | 186571 | 206.79 ug/L | | 87 |
| 81) | isopropylbenzene | 13.56 | 105 | 2091621 | 209.87 ug/L | | 100 |
| 83) | bromobenzene | 13.83 | 156 | 792840 | 193.85 ug/L | | 95 |
| 84) | 1,1,2,2-tetrachloroethane | 13.19 | 83 | 658040 | 180.89 ug/L | | 98 |
| 85) | 1,2,3-trichloropropane | 13.34 | 75 | 811041 | 195.30 ug/L | | 100 |
| 86) | n-propylbenzene | 14.00 | 91 | 2869865 | 199.88 ug/L | | 98 |
| 87) | 2-chlorotoluene | 14.11 | 91 | 1713960 | 193.10 ug/L | | 100 |
| 88) | 4-chlorotoluene | 14.19 | 91 | 1779496 | 189.61 ug/L | | 98 |
| 89) | 1,3,5-trimethylbenzene | 14.29 | 105 | 2074559 | 205.98 ug/L | | 97 |
| 90) | tert-butylbenzene | 14.59 | 91 | 1161999 | 210.06 ug/L | | 94 |
| 91) | 1,2,4-trimethylbenzene | 14.69 | 105 | 2186965 | 203.32 ug/L | | 97 |
| 92) | sec-butylbenzene | 14.81 | 105 | 2842942 | 204.28 ug/L | | 99 |

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18734.D Vial: 18
Acq On : 20 Apr 2007 4:20 pm Operator: alit
Sample : ic678-200 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 12:42:26 2007 Quant Results File: N042007W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 12:40:56 2007
Response via : Initial Calibration
DataAcq Meth : N8260

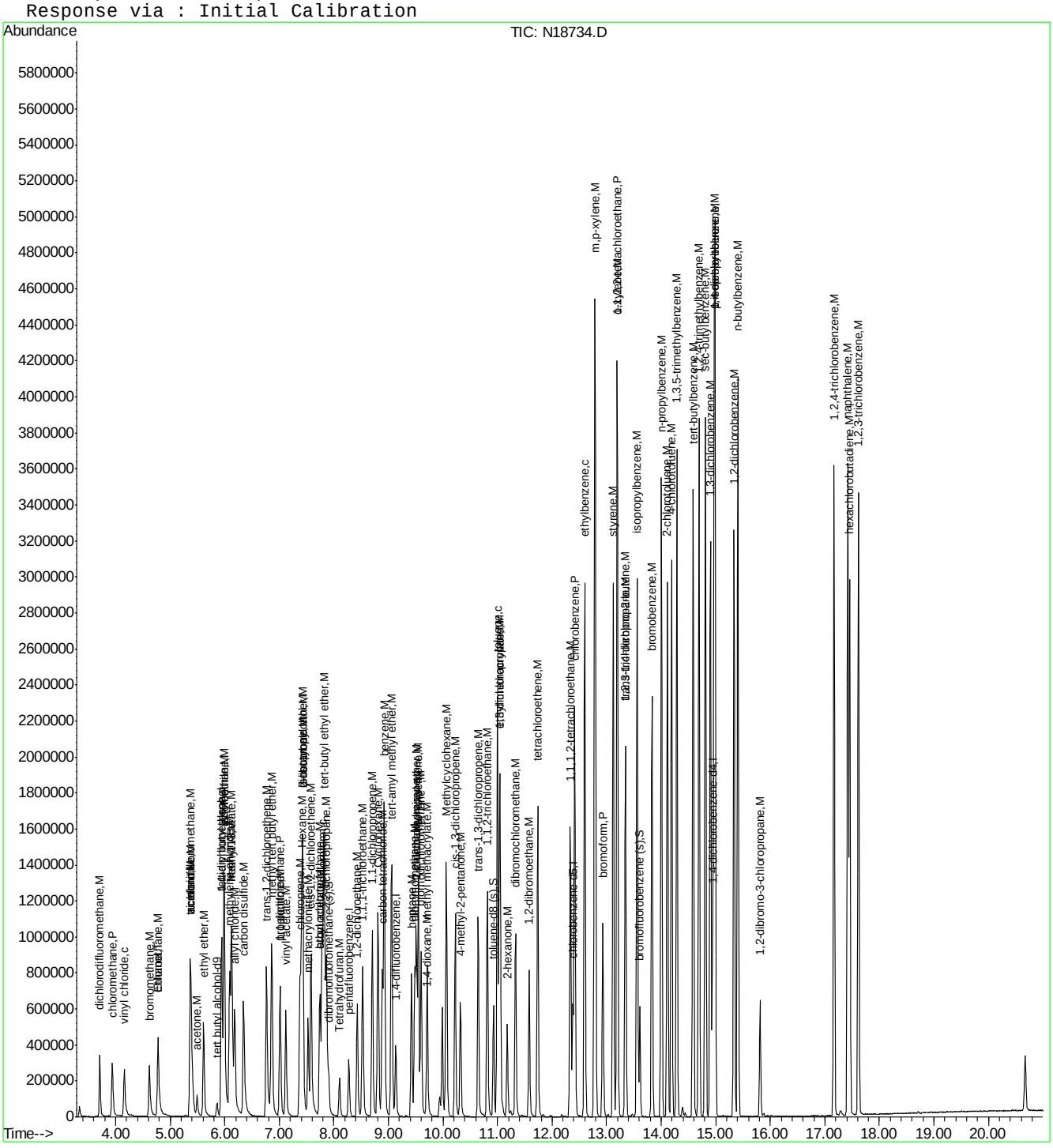
| | Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|---|---|---|---|---|---|---|---|
| 93) | 1,3-dichlorobenzene | 14.90 | 146 | 1508567 | 184.89 | ug/L | 98 |
| 94) | p-isopropyltoluene | 14.99 | 119 | 2398311 | 193.40 | ug/L | 99 |
| 96) | 1,4-dichlorobenzene | 14.97 | 146 | 1516262 | 216.52 | ug/L | 98 |
| 97) | 1,2-dichlorobenzene | 15.34 | 146 | 1509356 | 192.36 | ug/L | 98 |
| 98) | n-butylbenzene | 15.41 | 91 | 2345043 | 189.64 | ug/L | 97 |
| 99) | 1,2-dibromo-3-chloropropan | 15.81 | 75 | 139496 | 183.87 | ug/L | 91 |
| 100) | 1,2,4-trichlorobenzene | 17.17 | 180 | 1242616 | 191.39 | ug/L | 100 |
| 101) | hexachlorobutadiene | 17.45 | 225 | 654648 | 202.04 | ug/L | 99 |
| 102) | naphthalene | 17.42 | 128 | 2848175 | 188.52 | ug/L | 100 |
| 103) | 1,2,3-trichlorobenzene | 17.62 | 180 | 1191920 | 208.09 | ug/L | 98 |

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18734.D Vial: 18
Acq On : 20 Apr 2007 4:20 pm Operator: alit
Sample : ic678-200 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 12:42 2007 Quant Results File: N042007W.RES

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:51:39 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18735.D Vial: 19
Acq On : 20 Apr 2007 4:48 pm Operator: alit
Sample : ic678-50 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 12:42:30 2007 Quant Results File: N042007W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 12:40:56 2007
Response via : Initial Calibration
DataAcq Meth : N8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 5.85 | 65 | 99063 | 500.00 | ug/L | 0.00 |
| 3) pentafluorobenzene | 8.28 | 168 | 253755 | 50.00 | ug/L | 0.00 |
| 43) 1,4-difluorobenzene | 9.14 | 114 | 333748 | 50.00 | ug/L | 0.00 |
| 66) chlorobenzene-d5 | 12.38 | 82 | 168601 | 50.00 | ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 14.94 | 152 | 217643 | 50.00 | ug/L | 0.00 |

System Monitoring Compounds

| | | | | | | |
|---|---|---|---|---|---|---|
| 40) dibromofluoromethane (s) | 7.90 | 113 | 111473 | 46.26 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 84 - 129 | | Recovery = 92.52% | | | |
| 60) toluene-d8 (s) | 10.93 | 98 | 408925 | 48.79 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 97.58% | | | |
| 82) bromofluorobenzene (s) | 13.61 | 95 | 170274 | 49.48 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 82 - 118 | | Recovery = 98.96% | | | |

| Target Compounds | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 2) tertiary butyl alcohol | 5.94 | 59 | 127237 | 513.22 | ug/L | 96 |
| 4) Ethanol | 4.78 | 45 | 141680 | 5591.35 | ug/L | 100 |
| 5) dichlorodifluoromethane | 3.71 | 85 | 69006 | 44.88 | ug/L | 99 |
| 6) chloromethane | 3.94 | 50 | 88626 | 46.05 | ug/L | 98 |
| 7) vinyl chloride | 4.16 | 62 | 75436 | 47.72 | ug/L | 95 |
| 8) bromomethane | 4.62 | 96 | 51053 | 47.49 | ug/L | 99 |
| 9) chloroethane | 4.77 | 64 | 37421 | 47.38 | ug/L | 92 |
| 10) ethyl ether | 5.61 | 59 | 77986 | 47.86 | ug/L | 99 |
| 11) acetonitrile | 5.38 | 41 | 25014 | 49.29 | ug/L | 93 |
| 12) trichlorofluoromethane | 5.38 | 101 | 120845 | 45.57 | ug/L | 98 |
| 13) freon-113 | 6.13 | 101 | 72822 | 48.03 | ug/L | 97 |
| 14) acrolein | 5.37 | 56 | 108251 | 246.65 | ug/L | 100 |
| 15) 1,1-dichloroethene | 5.94 | 96 | 82663 | 46.73 | ug/L | 92 |
| 16) acetone | 5.50 | 43 | 39625 | 45.45 | ug/L | 96 |
| 17) Methyl Acetate | 6.12 | 43 | 153967 | 47.38 | ug/L | 96 |
| 18) methylene chloride | 6.09 | 84 | 109378 | 46.22 | ug/L | 96 |
| 19) methyl tert butyl ether | 6.86 | 73 | 267019 | 49.88 | ug/L | 100 |
| 20) acrylonitrile | 5.99 | 53 | 229510 | 246.75 | ug/L | 99 |
| 21) allyl chloride | 6.18 | 41 | 97470 | 44.61 | ug/L | 91 |
| 22) trans-1,2-dichloroethene | 6.77 | 96 | 94282 | 45.52 | ug/L | 93 |
| 23) iodomethane | 5.99 | 142 | 141387 | 55.58 | ug/L | 93 |
| 24) carbon disulfide | 6.35 | 76 | 279579 | 47.54 | ug/L | 98 |
| 25) propionitrile | 7.01 | 54 | 18878 | 47.64 | ug/L | 100 |
| 26) vinyl acetate | 7.12 | 43 | 209732 | 47.05 | ug/L | 96 |
| 27) chloroprene | 7.38 | 53 | 107321 | 47.51 | ug/L | 94 |
| 28) di-isopropyl ether | 7.43 | 45 | 322687 | 47.97 | ug/L | 98 |
| 29) methacrylonitrile | 7.53 | 41 | 71335 | 48.23 | ug/L | 97 |
| 30) 2-butanone | 7.42 | 72 | 14210 | 48.80 | ug/L # | 86 |
| 31) Hexane | 7.40 | 41 | 111188 | 49.24 | ug/L | 94 |
| 32) 1,1-dichloroethane | 7.01 | 63 | 160283 | 46.70 | ug/L | 99 |
| 33) tert-butyl ethyl ether | 7.82 | 59 | 299572 | 50.22 | ug/L | 100 |
| 34) isobutyl alcohol | 7.42 | 43 | 249897 | 238.60 | ug/L | 99 |
| 35) 2,2-dichloropropane | 7.86 | 77 | 117041 | 48.85 | ug/L | 96 |
| 36) cis-1,2-dichloroethene | 7.58 | 96 | 112282 | 44.90 | ug/L | 96 |
| 37) ethyl acetate | 7.84 | 43 | 57229 | 86.13 | ug/L | 96 |

(#) = qualifier out of range (m) = manual integration
N18735.D N042007W.M Sat Apr 21 13:53:03 2007 RP1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18735.D Vial: 19
Acq On : 20 Apr 2007 4:48 pm Operator: alit
Sample : ic678-50 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 12:42:30 2007 Quant Results File: N042007W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 12:40:56 2007
Response via : Initial Calibration
DataAcq Meth : N8260

| Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|
| 38) bromochloromethane | 7.74 | 128 | 55608 | 46.96 ug/L | 91 |
| 39) chloroform | 7.78 | 83 | 171336 | 46.63 ug/L | 100 |
| 41) Tetrahydrofuran | 8.10 | 42 | 34109 | 46.89 ug/L | 98 |
| 42) 1,1,1-trichloroethane | 8.53 | 97 | 135599 | 48.33 ug/L | 94 |
| 44) Cyclohexane | 8.81 | 56 | 132686 | 48.32 ug/L | 94 |
| 45) carbon tetrachloride | 8.89 | 117 | 119932 | 48.15 ug/L | 98 |
| 46) 1,1-dichloropropene | 8.71 | 75 | 120521 | 49.26 ug/L | 97 |
| 47) benzene | 8.92 | 78 | 382676 | 48.56 ug/L | 100 |
| 48) 1,2-dichloroethane | 8.43 | 62 | 120406 | 46.62 ug/L | 100 |
| 49) tert-amyl methyl ether | 9.05 | 73 | 290117 | 51.71 ug/L | 97 |
| 50) heptane | 9.42 | 43 | 84260 | 47.49 ug/L | 98 |
| 51) trichloroethene | 9.55 | 95 | 104367 | 48.13 ug/L | 93 |
| 52) 1,2-dichloropropane | 9.51 | 63 | 97990 | 48.95 ug/L | 98 |
| 53) dibromomethane | 9.48 | 93 | 71023 | 50.11 ug/L | 92 |
| 54) bromodichloromethane | 9.60 | 83 | 143133 | 50.49 ug/L | 99 |
| 55) Methylcyclohexane | 10.07 | 83 | 148998 | 48.75 ug/L | 93 |
| 56) 2-chloroethyl vinyl ether | 9.51 | 63 | 97990 | 48.77 ug/L # | 99 |
| 57) methyl methacrylate | 9.71 | 69 | 76166 | 51.02 ug/L | 97 |
| 58) 1,4-dioxane | 9.69 | 88 | 10141 | 260.99 ug/L | 92 |
| 59) cis-1,3-dichloropropene | 10.22 | 75 | 159498 | 52.72 ug/L | 98 |
| 61) 4-methyl-2-pentanone | 10.32 | 43 | 110756 | 48.20 ug/L | 97 |
| 62) toluene | 11.00 | 92 | 255801 | 48.83 ug/L | 96 |
| 63) trans-1,3-dichloropropene | 10.65 | 75 | 139715 | 51.35 ug/L | 96 |
| 64) 1,1,2-trichloroethane | 10.81 | 83 | 88916 | 49.05 ug/L | 99 |
| 65) ethyl methacrylate | 11.04 | 69 | 143431 | 50.98 ug/L | 93 |
| 67) tetrachloroethene | 11.73 | 166 | 141218 | 50.67 ug/L | 99 |
| 68) 1,3-dichloropropane | 11.05 | 76 | 167289 | 50.83 ug/L | 99 |
| 69) dibromochloromethane | 11.33 | 129 | 133179 | 51.54 ug/L | 93 |
| 70) 1,2-dibromoethane | 11.58 | 107 | 120329 | 50.50 ug/L | 98 |
| 71) 2-hexanone | 11.18 | 43 | 84757 | 51.17 ug/L | 97 |
| 72) chlorobenzene | 12.41 | 112 | 319027 | 48.82 ug/L | 99 |
| 73) 1,1,1,2-tetrachloroethane | 12.34 | 131 | 111541 | 50.76 ug/L | 98 |
| 74) ethylbenzene | 12.60 | 91 | 503419 | 50.83 ug/L | 96 |
| 75) m,p-xylene | 12.79 | 106 | 416565 | 103.82 ug/L | 96 |
| 76) o-xylene | 13.19 | 106 | 206365 | 51.36 ug/L | 97 |
| 77) styrene | 13.12 | 104 | 340919 | 53.62 ug/L | 99 |
| 78) bromoform | 12.93 | 173 | 116813 | 47.60 ug/L | 99 |
| 79) trans-1,4-dichloro-2-buten | 13.35 | 53 | 40705 | 47.80 ug/L | 99 |
| 81) isopropylbenzene | 13.56 | 105 | 465794 | 53.22 ug/L | 98 |
| 83) bromobenzene | 13.83 | 156 | 178056 | 49.58 ug/L | 97 |
| 84) 1,1,2,2-tetrachloroethane | 13.19 | 83 | 159829 | 50.03 ug/L | 99 |
| 85) 1,2,3-trichloropropane | 13.35 | 75 | 183454 | 50.31 ug/L | 99 |
| 86) n-propylbenzene | 14.00 | 91 | 652773 | 51.77 ug/L | 100 |
| 87) 2-chlorotoluene | 14.11 | 91 | 386780 | 49.62 ug/L | 100 |
| 88) 4-chlorotoluene | 14.19 | 91 | 407856 | 49.49 ug/L | 99 |
| 89) 1,3,5-trimethylbenzene | 14.29 | 105 | 454662 | 51.41 ug/L | 97 |
| 90) tert-butylbenzene | 14.58 | 91 | 249738 | 51.41 ug/L | 95 |
| 91) 1,2,4-trimethylbenzene | 14.69 | 105 | 484574 | 51.30 ug/L | 98 |
| 92) sec-butylbenzene | 14.81 | 105 | 628704 | 51.44 ug/L | 98 |

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18735.D Vial: 19
Acq On : 20 Apr 2007 4:48 pm Operator: alit
Sample : ic678-50 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 12:42:30 2007 Quant Results File: N042007W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 12:40:56 2007
Response via : Initial Calibration
DataAcq Meth : N8260

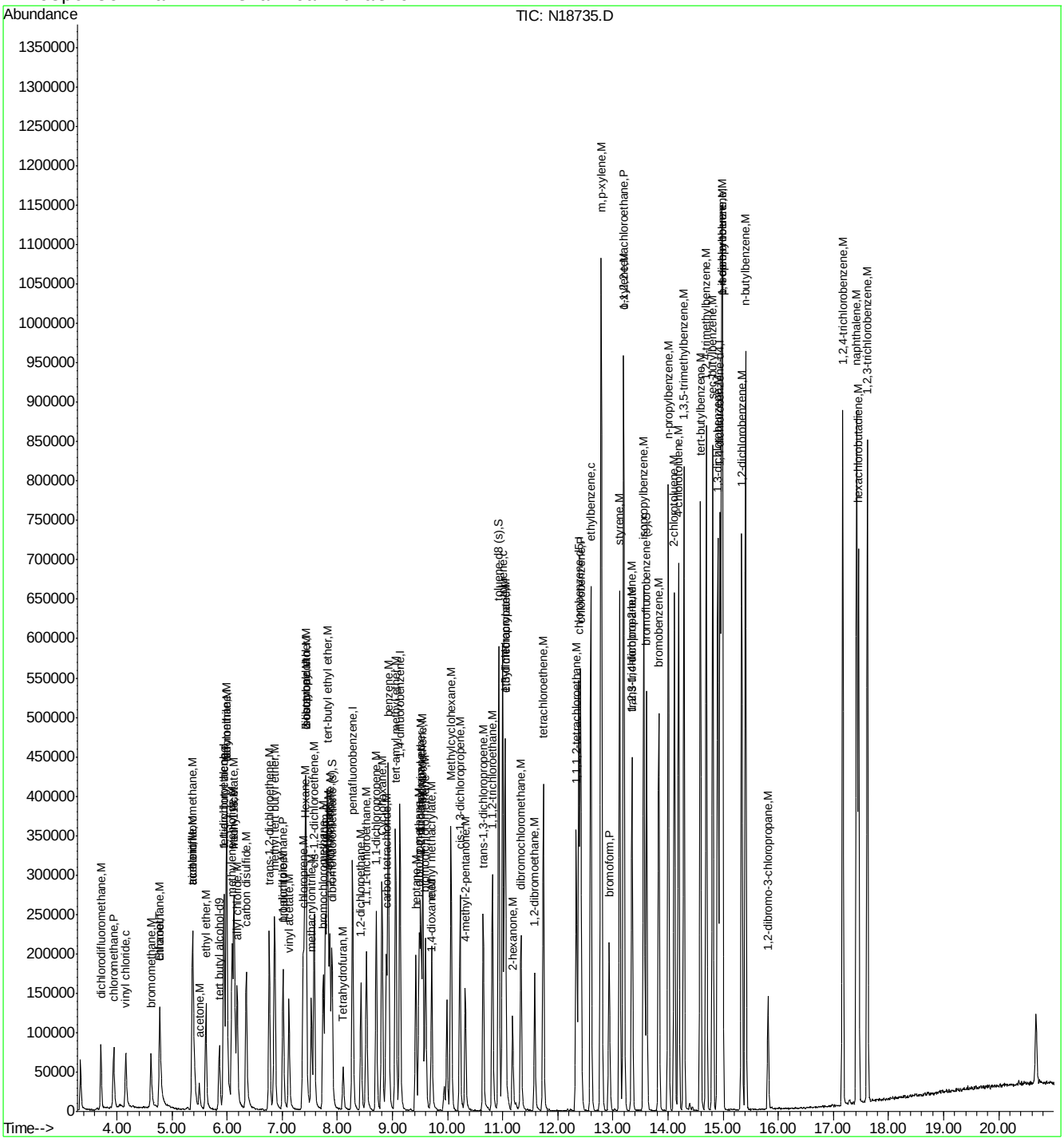
| | Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|---|---|---|---|---|---|---|---|
| 93) | 1,3-dichlorobenzene | 14.90 | 146 | 339775 | 47.42 | ug/L | 99 |
| 94) | p-isopropyltoluene | 14.99 | 119 | 539606 | 49.55 | ug/L | 99 |
| 96) | 1,4-dichlorobenzene | 14.97 | 146 | 355536 | 53.27 | ug/L | 99 |
| 97) | 1,2-dichlorobenzene | 15.34 | 146 | 334907 | 48.60 | ug/L | 99 |
| 98) | n-butylbenzene | 15.40 | 91 | 541683 | 49.88 | ug/L | 98 |
| 99) | 1,2-dibromo-3-chloropropan | 15.81 | 75 | 31375 | 47.09 | ug/L | 96 |
| 100) | 1,2,4-trichlorobenzene | 17.17 | 180 | 295422 | 51.82 | ug/L | 99 |
| 101) | hexachlorobutadiene | 17.45 | 225 | 148729 | 52.27 | ug/L | 98 |
| 102) | naphthalene | 17.42 | 128 | 701938 | 52.91 | ug/L | 100 |
| 103) | 1,2,3-trichlorobenzene | 17.62 | 180 | 286185 | 53.82 | ug/L | 99 |

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18735.D Vial: 19
Acq On : 20 Apr 2007 4:48 pm Operator: alit
Sample : ic678-50 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 12:42 2007 Quant Results File: N042007W.RES

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:51:39 2007
Response via : Initial Calibration










ACCUTEST Laboratories M64162

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18736.D Vial: 20
Acq On : 20 Apr 2007 5:17 pm Operator: alit
Sample : ic678-25 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 12:42:33 2007 Quant Results File: N042007W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 12:40:56 2007
Response via : Initial Calibration
DataAcq Meth : N8260

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 5.85 | 65 | 89414 | 500.00 ug/L | 0.00 |
| 3) pentafluorobenzene | 8.28 | 168 | 250778 | 50.00 ug/L | 0.00 |
| 43) 1,4-difluorobenzene | 9.14 | 114 | 335652 | 50.00 ug/L | 0.00 |
| 66) chlorobenzene-d5 | 12.38 | 82 | 164304 | 50.00 ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 14.94 | 152 | 215996 | 50.00 ug/L | 0.00 |

System Monitoring Compounds

| | | | | | |
|---|---|---|---|---|---|
| 40) dibromofluoromethane (s) | 7.90 | 113 | 112656 | 47.30 ug/L | 0.00 |
| Spiked Amount 50.000 | Range 84 - 129 | | Recovery = 94.60% | | |
| 60) toluene-d8 (s) | 10.93 | 98 | 409307 | 48.56 ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 97.12% | | |
| 82) bromofluorobenzene (s) | 13.61 | 95 | 170460 | 49.92 ug/L | 0.00 |
| Spiked Amount 50.000 | Range 82 - 118 | | Recovery = 99.84% | | |

| Target Compounds | | | | | Qvalue |
|---|---|---|---|---|---|
| 2) tertiary butyl alcohol | 5.94 | 59 | 57031 | 254.86 ug/L | 100 |
| 4) Ethanol | 4.78 | 45 | 62589 | 2429.55 ug/L | 98 |
| 5) dichlorodifluoromethane | 3.71 | 85 | 35644 | 24.44 ug/L | 99 |
| 6) chloromethane | 3.94 | 50 | 42957 | 22.58 ug/L | 97 |
| 7) vinyl chloride | 4.16 | 62 | 37937 | 24.28 ug/L | 99 |
| 8) bromomethane | 4.61 | 96 | 23276 | 21.91 ug/L | 98 |
| 9) chloroethane | 4.77 | 64 | 18841 | 24.14 ug/L | 98 |
| 10) ethyl ether | 5.61 | 59 | 38456 | 23.88 ug/L | 93 |
| 11) acetonitrile | 5.38 | 41 | 13274 | 26.47 ug/L | 88 |
| 12) trichlorofluoromethane | 5.38 | 101 | 60076 | 25.01 ug/L | 95 |
| 13) freon-113 | 6.13 | 101 | 37660 | 26.22 ug/L | 96 |
| 14) acrolein | 5.37 | 56 | 50191 | 115.72 ug/L | 100 |
| 15) 1,1-dichloroethene | 5.94 | 96 | 40845 | 23.94 ug/L | 87 |
| 16) acetone | 5.49 | 43 | 19510 | 22.64 ug/L | 98 |
| 17) Methyl Acetate | 6.12 | 43 | 71676 | 22.32 ug/L | 97 |
| 18) methylene chloride | 6.08 | 84 | 54012 | 23.10 ug/L | 95 |
| 19) methyl tert butyl ether | 6.86 | 73 | 125895 | 23.80 ug/L | 99 |
| 20) acrylonitrile | 5.99 | 53 | 108600 | 118.14 ug/L | 96 |
| 21) allyl chloride | 6.18 | 41 | 51626 | 23.91 ug/L | 93 |
| 22) trans-1,2-dichloroethene | 6.76 | 96 | 46349 | 22.64 ug/L | 92 |
| 23) iodomethane | 5.99 | 142 | 72127 | 28.05 ug/L | 94 |
| 24) carbon disulfide | 6.34 | 76 | 137618 | 23.68 ug/L | 100 |
| 25) propionitrile | 7.01 | 54 | 8691 | 22.19 ug/L | 100 |
| 26) vinyl acetate | 7.12 | 43 | 91111 | 23.30 ug/L | 98 |
| 27) chloroprene | 7.37 | 53 | 50838 | 24.01 ug/L | 97 |
| 28) di-isopropyl ether | 7.43 | 45 | 160969 | 24.21 ug/L | 98 |
| 29) methacrylonitrile | 7.53 | 41 | 33465 | 22.90 ug/L | 94 |
| 30) 2-butanone | 7.43 | 72 | 6432 | 22.35 ug/L # | 83 |
| 31) Hexane | 7.41 | 41 | 55817 | 25.01 ug/L | 99 |
| 32) 1,1-dichloroethane | 7.01 | 63 | 80048 | 23.60 ug/L | 97 |
| 33) tert-butyl ethyl ether | 7.82 | 59 | 144597 | 24.53 ug/L | 96 |
| 34) isobutyl alcohol | 7.42 | 43 | 121291 | 117.18 ug/L | 99 |
| 35) 2,2-dichloropropane | 7.86 | 77 | 56579 | 23.89 ug/L | 93 |
| 36) cis-1,2-dichloroethene | 7.58 | 96 | 55235 | 22.35 ug/L | 88 |
| 37) ethyl acetate | 7.82 | 43 | 26953 | 41.05 ug/L | 55 |

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18736.D Vial: 20
Acq On : 20 Apr 2007 5:17 pm Operator: alit
Sample : ic678-25 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 12:42:33 2007 Quant Results File: N042007W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 12:40:56 2007
Response via : Initial Calibration
DataAcq Meth : N8260

| Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|
| 38) bromochloromethane | 7.74 | 128 | 27562 | 23.55 ug/L | 92 |
| 39) chloroform | 7.78 | 83 | 84646 | 23.31 ug/L | 95 |
| 41) Tetrahydrofuran | 8.11 | 42 | 14936 | 20.78 ug/L | 94 |
| 42) 1,1,1-trichloroethane | 8.52 | 97 | 67198 | 24.24 ug/L | 97 |
| 44) Cyclohexane | 8.81 | 56 | 64920 | 23.23 ug/L | 92 |
| 45) carbon tetrachloride | 8.89 | 117 | 59348 | 23.69 ug/L | 97 |
| 46) 1,1-dichloropropene | 8.70 | 75 | 58634 | 24.27 ug/L | 99 |
| 47) benzene | 8.92 | 78 | 190206 | 24.00 ug/L | 98 |
| 48) 1,2-dichloroethane | 8.43 | 62 | 60454 | 23.28 ug/L | 97 |
| 49) tert-amyl methyl ether | 9.06 | 73 | 138696 | 24.58 ug/L | 96 |
| 50) heptane | 9.42 | 43 | 42434 | 23.74 ug/L | 95 |
| 51) trichloroethene | 9.55 | 95 | 52616 | 24.13 ug/L | 99 |
| 52) 1,2-dichloropropane | 9.51 | 63 | 49454 | 24.56 ug/L | 99 |
| 53) dibromomethane | 9.48 | 93 | 35050 | 24.59 ug/L | 94 |
| 54) bromodichloromethane | 9.60 | 83 | 68001 | 23.85 ug/L | 98 |
| 55) Methylcyclohexane | 10.06 | 83 | 75090 | 24.53 ug/L | 96 |
| 56) 2-chloroethyl vinyl ether | 9.51 | 63 | 49454 | 24.47 ug/L # | 100 |
| 57) methyl methacrylate | 9.71 | 69 | 34153 | 22.75 ug/L | 96 |
| 58) 1,4-dioxane | 9.69 | 88 | 4842 | 123.91 ug/L | 74 |
| 59) cis-1,3-dichloropropene | 10.22 | 75 | 75734 | 24.89 ug/L | 100 |
| 61) 4-methyl-2-pentanone | 10.32 | 43 | 50468 | 21.84 ug/L | 98 |
| 62) toluene | 11.00 | 92 | 125493 | 23.82 ug/L | 97 |
| 63) trans-1,3-dichloropropene | 10.65 | 75 | 65600 | 23.97 ug/L | 97 |
| 64) 1,1,2-trichloroethane | 10.81 | 83 | 44302 | 24.30 ug/L | 93 |
| 65) ethyl methacrylate | 11.04 | 69 | 66115 | 23.37 ug/L | 93 |
| 67) tetrachloroethene | 11.74 | 166 | 69853 | 25.72 ug/L | 97 |
| 68) 1,3-dichloropropane | 11.05 | 76 | 82429 | 25.70 ug/L | 97 |
| 69) dibromochloromethane | 11.33 | 129 | 63001 | 25.02 ug/L | 99 |
| 70) 1,2-dibromoethane | 11.58 | 107 | 56571 | 24.36 ug/L | 95 |
| 71) 2-hexanone | 11.18 | 43 | 37736 | 23.38 ug/L | 99 |
| 72) chlorobenzene | 12.41 | 112 | 156333 | 24.55 ug/L | 99 |
| 73) 1,1,1,2-tetrachloroethane | 12.33 | 131 | 52971 | 24.74 ug/L | 93 |
| 74) ethylbenzene | 12.60 | 91 | 248740 | 25.77 ug/L | 97 |
| 75) m,p-xylene | 12.78 | 106 | 205940 | 52.67 ug/L | 94 |
| 76) o-xylene | 13.19 | 106 | 101642 | 25.96 ug/L | 96 |
| 77) styrene | 13.12 | 104 | 160261 | 25.86 ug/L | 100 |
| 78) bromoform | 12.93 | 173 | 52526 | 24.77 ug/L | 96 |
| 79) trans-1,4-dichloro-2-buten | 13.35 | 53 | 19051 | 22.96 ug/L | 98 |
| 81) isopropylbenzene | 13.56 | 105 | 225804 | 26.00 ug/L | 99 |
| 83) bromobenzene | 13.83 | 156 | 85277 | 23.92 ug/L | 97 |
| 84) 1,1,2,2-tetrachloroethane | 13.19 | 83 | 73368 | 23.14 ug/L | 99 |
| 85) 1,2,3-trichloropropane | 13.35 | 75 | 83155 | 22.98 ug/L | 97 |
| 86) n-propylbenzene | 14.00 | 91 | 316604 | 25.30 ug/L | 96 |
| 87) 2-chlorotoluene | 14.11 | 91 | 189502 | 24.50 ug/L | 97 |
| 88) 4-chlorotoluene | 14.19 | 91 | 199426 | 24.38 ug/L | 100 |
| 89) 1,3,5-trimethylbenzene | 14.29 | 105 | 216793 | 24.70 ug/L | 99 |
| 90) tert-butylbenzene | 14.58 | 91 | 121654 | 25.24 ug/L | 96 |
| 91) 1,2,4-trimethylbenzene | 14.69 | 105 | 235808 | 25.15 ug/L | 100 |
| 92) sec-butylbenzene | 14.81 | 105 | 309913 | 25.55 ug/L | 99 |

(#) = qualifier out of range (m) = manual integration
N18736.D N042007W.M Sat Apr 21 13:53:12 2007 RP1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18736.D Vial: 20
Acq On : 20 Apr 2007 5:17 pm Operator: alit
Sample : ic678-25 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 12:42:33 2007 Quant Results File: N042007W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 12:40:56 2007
Response via : Initial Calibration
DataAcq Meth : N8260

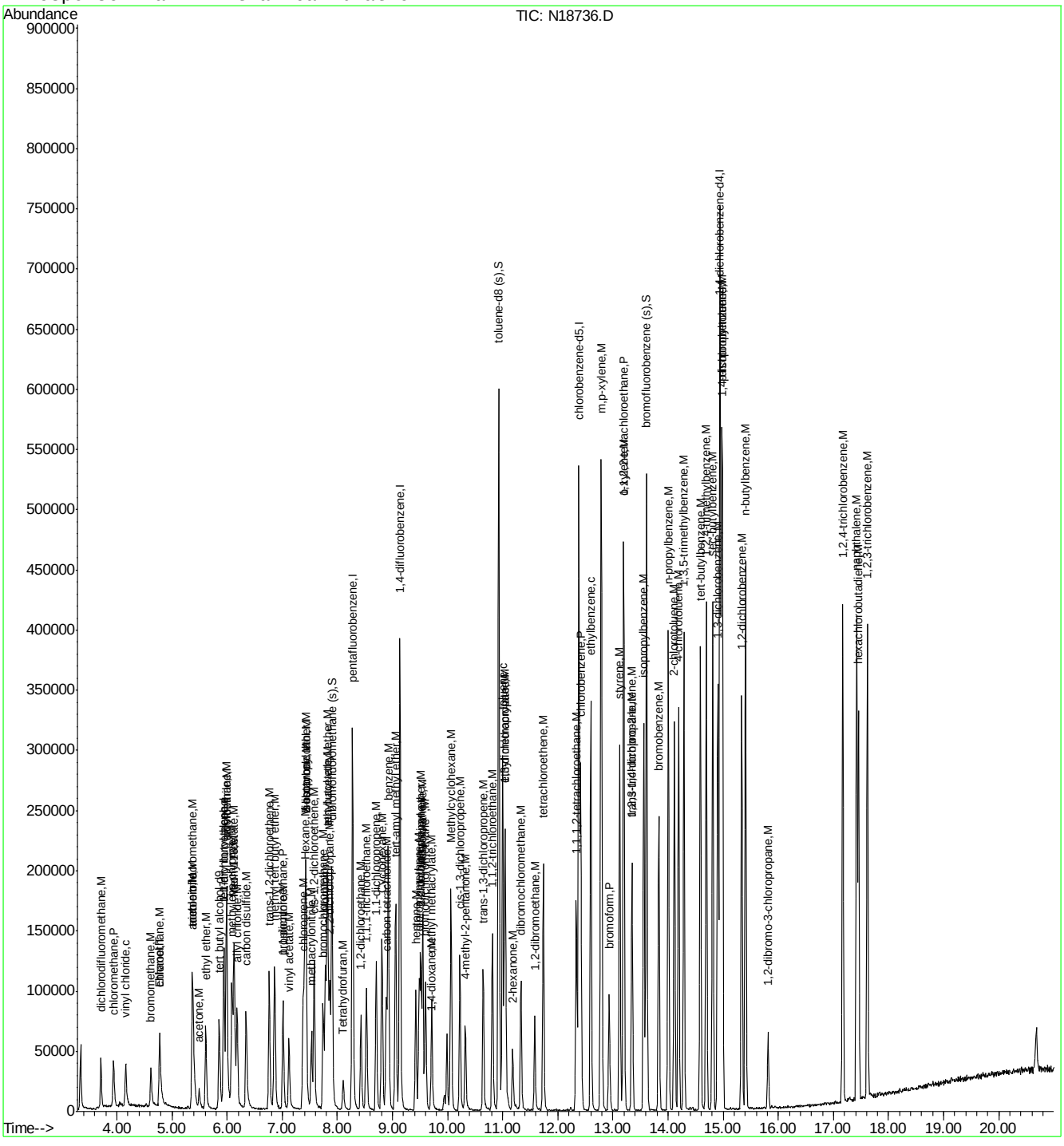
| | Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|---|---|---|---|---|---|---|---|
| 93) | 1,3-dichlorobenzene | 14.90 | 146 | 164883 | 23.19 | ug/L | 98 |
| 94) | p-isopropyltoluene | 14.99 | 119 | 263524 | 24.38 | ug/L | 100 |
| 96) | 1,4-dichlorobenzene | 14.97 | 146 | 173916 | 23.12 | ug/L | 98 |
| 97) | 1,2-dichlorobenzene | 15.33 | 146 | 161593 | 23.63 | ug/L | 98 |
| 98) | n-butylbenzene | 15.41 | 91 | 260835 | 24.20 | ug/L | 100 |
| 99) | 1,2-dibromo-3-chloropropan | 15.81 | 75 | 14278 | 21.60 | ug/L | 96 |
| 100) | 1,2,4-trichlorobenzene | 17.17 | 180 | 139251 | 24.61 | ug/L | 100 |
| 101) | hexachlorobutadiene | 17.46 | 225 | 69212 | 24.51 | ug/L | 98 |
| 102) | naphthalene | 17.42 | 128 | 320494 | 24.34 | ug/L | 100 |
| 103) | 1,2,3-trichlorobenzene | 17.62 | 180 | 135265 | 23.41 | ug/L | 99 |

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18736.D Vial: 20
Acq On : 20 Apr 2007 5:17 pm Operator: alit
Sample : ic678-25 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 12:42 2007 Quant Results File: N042007W.RES

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:51:39 2007
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 04/23/07 14:08

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18737.D Vial: 21
Acq On : 20 Apr 2007 5:44 pm Operator: alit
Sample : ic678-5 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 12:42:35 2007 Quant Results File: N042007W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 12:40:56 2007
Response via : Initial Calibration
DataAcq Meth : N8260

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 5.86 | 65 | 93218 | 500.00 ug/L | 0.00 |
| 3) pentafluorobenzene | 8.28 | 168 | 239192 | 50.00 ug/L | 0.00 |
| 43) 1,4-difluorobenzene | 9.14 | 114 | 323636 | 50.00 ug/L | 0.00 |
| 66) chlorobenzene-d5 | 12.38 | 82 | 159930 | 50.00 ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 14.94 | 152 | 207964 | 50.00 ug/L | 0.00 |

System Monitoring Compounds

| | | | | | |
|---|---|---|---|---|---|
| 40) dibromofluoromethane (s) | 7.90 | 113 | 110337 | 48.57 ug/L | 0.00 |
| Spiked Amount 50.000 | Range 84 - 129 | | Recovery = 97.14% | | |
| 60) toluene-d8 (s) | 10.93 | 98 | 394619 | 48.56 ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 97.12% | | |
| 82) bromofluorobenzene (s) | 13.61 | 95 | 165234 | 50.25 ug/L | 0.00 |
| Spiked Amount 50.000 | Range 82 - 118 | | Recovery = 100.50% | | |

Target Compounds

| | | | | | Qvalue |
|---|---|---|---|---|---|
| 2) tertiary butyl alcohol | 5.94 | 59 | 12694 | 54.41 ug/L | 98 |
| 4) Ethanol | 4.78 | 45 | 15420 | 533.92 ug/L | 99 |
| 5) dichlorodifluoromethane | 3.71 | 85 | 3589 | 4.43 ug/L | 99 |
| 6) chloromethane | 3.94 | 50 | 8167 | 4.50 ug/L | 96 |
| 7) vinyl chloride | 4.16 | 62 | 5493 | 3.69 ug/L | 81 |
| 8) bromomethane | 4.62 | 96 | 4248 | 4.19 ug/L | 89 |
| 9) chloroethane | 4.77 | 64 | 2703m | 3.63 ug/L | |
| 10) ethyl ether | 5.61 | 59 | 7212 | 4.70 ug/L | 71 |
| 11) acetonitrile | 5.38 | 41 | 2770m | 5.79 ug/L | |
| 12) trichlorofluoromethane | 5.38 | 101 | 5665 | 6.25 ug/L | 91 |
| 13) freon-113 | 6.13 | 101 | 3383 | 4.54 ug/L | 83 |
| 14) acrolein | 5.37 | 56 | 9328 | 22.55 ug/L | 93 |
| 15) 1,1-dichloroethene | 5.95 | 96 | 5868 | 4.58 ug/L # | 73 |
| 16) acetone | 5.50 | 43 | 4726 | 5.75 ug/L | 75 |
| 17) Methyl Acetate | 6.12 | 43 | 14741 | 4.81 ug/L # | 92 |
| 18) methylene chloride | 6.08 | 84 | 11120 | 4.99 ug/L | 89 |
| 19) methyl tert butyl ether | 6.86 | 73 | 23012 | 4.56 ug/L | 98 |
| 20) acrylonitrile | 5.99 | 53 | 20650 | 23.55 ug/L | 98 |
| 21) allyl chloride | 6.18 | 41 | 9919 | 4.82 ug/L | 84 |
| 22) trans-1,2-dichloroethene | 6.76 | 96 | 8180 | 4.19 ug/L | 86 |
| 23) iodomethane | 5.99 | 142 | 13255 | 5.31 ug/L | 95 |
| 24) carbon disulfide | 6.35 | 76 | 20122 | 3.63 ug/L | 98 |
| 25) propionitrile | 7.03 | 54 | 1475m | 3.95 ug/L | |
| 26) vinyl acetate | 7.12 | 43 | 16671 | 8.25 ug/L | 96 |
| 27) chloroprene | 7.38 | 53 | 6461 | 5.26 ug/L | 83 |
| 28) di-isopropyl ether | 7.43 | 45 | 29219 | 4.61 ug/L | 93 |
| 29) methacrylonitrile | 7.53 | 41 | 6003 | 4.31 ug/L | 90 |
| 30) 2-butanone | 7.43 | 72 | 1130m | 4.12 ug/L | |
| 31) Hexane | 7.44 | 41 | 8288 | 3.89 ug/L # | 19 |
| 32) 1,1-dichloroethane | 7.01 | 63 | 13423 | 4.15 ug/L | 95 |
| 33) tert-butyl ethyl ether | 7.82 | 59 | 24197 | 4.30 ug/L | 92 |
| 34) isobutyl alcohol | 7.43 | 43 | 20524 | 20.79 ug/L | 91 |
| 35) 2,2-dichloropropane | 7.86 | 77 | 8121 | 3.60 ug/L | 79 |
| 36) cis-1,2-dichloroethene | 7.58 | 96 | 10305 | 4.37 ug/L | 97 |
| 37) ethyl acetate | 7.84 | 43 | 5512 | 8.80 ug/L | 88 |

(#) = qualifier out of range (m) = manual integration
N18737.D N042007W.M Sat Apr 21 13:53:17 2007 RP1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18737.D Vial: 21
Acq On : 20 Apr 2007 5:44 pm Operator: alit
Sample : ic678-5 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 12:42:35 2007 Quant Results File: N042007W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 12:40:56 2007
Response via : Initial Calibration
DataAcq Meth : N8260

| Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|
| 38) bromochloromethane | 7.74 | 128 | 5295 | 4.74 ug/L | 82 |
| 39) chloroform | 7.78 | 83 | 15438 | 4.46 ug/L | 88 |
| 41) Tetrahydrofuran | 8.11 | 42 | 2868m | 4.18 ug/L | |
| 42) 1,1,1-trichloroethane | 8.53 | 97 | 9368 | 3.54 ug/L | 97 |
| 44) Cyclohexane | 8.81 | 56 | 5935 | 1.71 ug/L # | 84 |
| 45) carbon tetrachloride | 8.88 | 117 | 6774 | 2.80 ug/L | 91 |
| 46) 1,1-dichloropropene | 8.71 | 75 | 7319 | 3.89 ug/L | 93 |
| 47) benzene | 8.92 | 78 | 33051 | 4.32 ug/L | 97 |
| 48) 1,2-dichloroethane | 8.43 | 62 | 11242 | 4.49 ug/L | 96 |
| 49) tert-amyl methyl ether | 9.06 | 73 | 23057 | 4.24 ug/L | 96 |
| 50) heptane | 9.43 | 43 | 4661 | 2.64 ug/L | 87 |
| 51) trichloroethene | 9.55 | 95 | 8547 | 4.07 ug/L | 98 |
| 52) 1,2-dichloropropane | 9.51 | 63 | 8880 | 4.57 ug/L | 99 |
| 53) dibromomethane | 9.49 | 93 | 6500 | 4.73 ug/L | 91 |
| 54) bromodichloromethane | 9.60 | 83 | 12038 | 4.38 ug/L | 92 |
| 55) Methylcyclohexane | 10.06 | 83 | 5869 | 2.18 ug/L | 91 |
| 56) 2-chloroethyl vinyl ether | 9.51 | 63 | 8880 | 4.56 ug/L # | 42 |
| 57) methyl methacrylate | 9.72 | 69 | 5676 | 3.92 ug/L | 91 |
| 58) 1,4-dioxane | 9.69 | 88 | 1063m | 28.21 ug/L | |
| 59) cis-1,3-dichloropropene | 10.22 | 75 | 12866 | 4.39 ug/L | 96 |
| 61) 4-methyl-2-pentanone | 10.32 | 43 | 9232 | 4.14 ug/L # | 92 |
| 62) toluene | 11.00 | 92 | 21691 | 4.27 ug/L | 92 |
| 63) trans-1,3-dichloropropene | 10.65 | 75 | 11051 | 4.19 ug/L | 94 |
| 64) 1,1,2-trichloroethane | 10.82 | 83 | 7894 | 4.49 ug/L | 97 |
| 65) ethyl methacrylate | 11.04 | 69 | 11027 | 4.04 ug/L | 88 |
| 67) tetrachloroethene | 11.74 | 166 | 10371 | 3.92 ug/L | 94 |
| 68) 1,3-dichloropropane | 11.05 | 76 | 15040 | 4.82 ug/L | 91 |
| 69) dibromochloromethane | 11.33 | 129 | 10761 | 4.39 ug/L | 96 |
| 70) 1,2-dibromoethane | 11.58 | 107 | 10542 | 4.66 ug/L | 96 |
| 71) 2-hexanone | 11.19 | 43 | 7380 | 4.70 ug/L # | 63 |
| 72) chlorobenzene | 12.41 | 112 | 29987 | 4.84 ug/L | 96 |
| 73) 1,1,1,2-tetrachloroethane | 12.34 | 131 | 9352 | 4.49 ug/L | 86 |
| 74) ethylbenzene | 12.60 | 91 | 39573 | 4.21 ug/L | 96 |
| 75) m,p-xylene | 12.78 | 106 | 32588 | 8.56 ug/L | 99 |
| 76) o-xylene | 13.19 | 106 | 17471 | 4.58 ug/L | 95 |
| 77) styrene | 13.12 | 104 | 25931 | 4.30 ug/L | 100 |
| 78) bromoform | 12.93 | 173 | 9183 | 8.72 ug/L | 100 |
| 79) trans-1,4-dichloro-2-buten | 13.35 | 53 | 3713 | 4.60 ug/L # | 57 |
| 81) isopropylbenzene | 13.56 | 105 | 31902 | 3.81 ug/L | 99 |
| 83) bromobenzene | 13.83 | 156 | 15790 | 4.60 ug/L | 94 |
| 84) 1,1,2,2-tetrachloroethane | 13.20 | 83 | 15022 | 4.92 ug/L | 96 |
| 85) 1,2,3-trichloropropane | 13.35 | 75 | 16084 | 4.62 ug/L | 99 |
| 86) n-propylbenzene | 14.01 | 91 | 48007 | 3.98 ug/L | 98 |
| 87) 2-chlorotoluene | 14.12 | 91 | 34188 | 4.59 ug/L | 93 |
| 88) 4-chlorotoluene | 14.19 | 91 | 36409 | 4.62 ug/L | 93 |
| 89) 1,3,5-trimethylbenzene | 14.29 | 105 | 34830 | 4.12 ug/L | 92 |
| 90) tert-butylbenzene | 14.58 | 91 | 17266 | 3.72 ug/L | 90 |
| 91) 1,2,4-trimethylbenzene | 14.69 | 105 | 40206 | 4.45 ug/L | 91 |
| 92) sec-butylbenzene | 14.81 | 105 | 42530 | 3.64 ug/L | 95 |

(#) = qualifier out of range (m) = manual integration
N18737.D N042007W.M Sat Apr 21 13:53:17 2007 RP1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18737.D Vial: 21
Acq On : 20 Apr 2007 5:44 pm Operator: alit
Sample : ic678-5 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 12:42:35 2007 Quant Results File: N042007W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 12:40:56 2007
Response via : Initial Calibration
DataAcq Meth : N8260

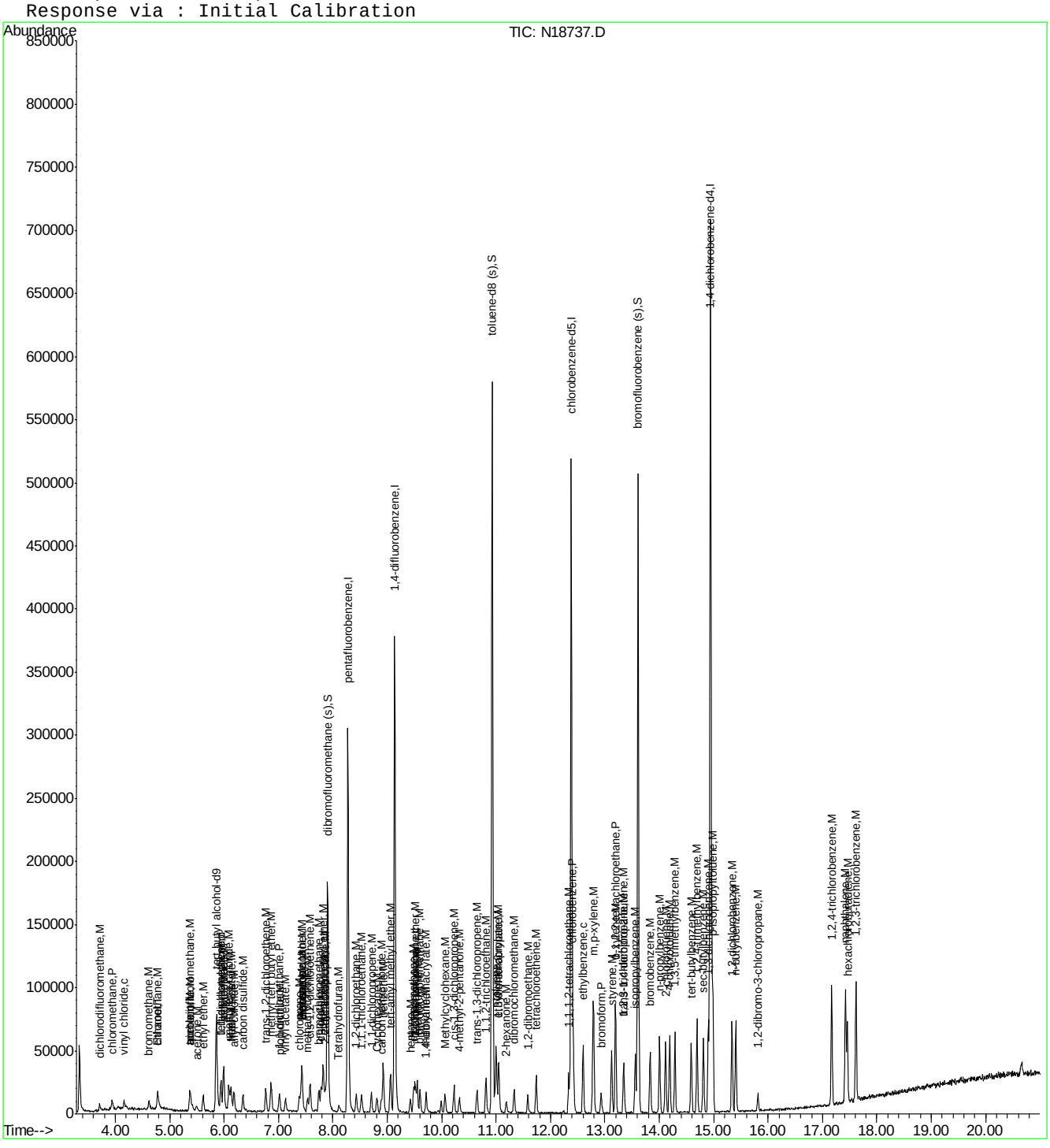
| | Compound | R.T. | QIon | Response | Conc | Unit | | Qvalue |
|---|---|---|---|---|---|---|---|---|
| 93) | 1,3-dichlorobenzene | 14.90 | 146 | 33198 | 4.85 | ug/L | | 90 |
| 94) | p-isopropyltoluene | 14.99 | 119 | 41881 | 4.02 | ug/L | | 98 |
| 97) | 1,2-dichlorobenzene | 15.34 | 146 | 31972 | 4.86 | ug/L | | 96 |
| 98) | n-butylbenzene | 15.41 | 91 | 41548 | 4.00 | ug/L | | 98 |
| 99) | 1,2-dibromo-3-chloropropan | 15.81 | 75 | 3090 | 4.85 | ug/L | # | 78 |
| 100) | 1,2,4-trichlorobenzene | 17.17 | 180 | 31584 | 5.80 | ug/L | | 100 |
| 101) | hexachlorobutadiene | 17.46 | 225 | 13735 | 5.05 | ug/L | | 95 |
| 102) | naphthalene | 17.42 | 128 | 69275 | 5.46 | ug/L | | 100 |
| 103) | 1,2,3-trichlorobenzene | 17.62 | 180 | 30485 | 2.24 | ug/L | | 93 |

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18737.D Vial: 21
Acq On : 20 Apr 2007 5:44 pm Operator: alit
Sample : ic678-5 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:00 2007 Quant Results File: N042007W.RES

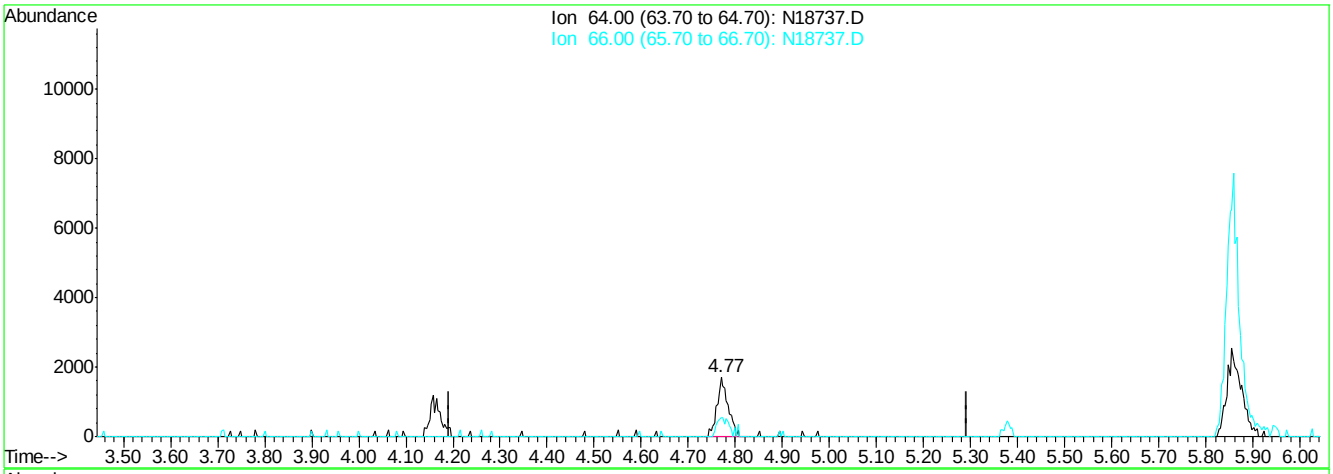
Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:51:39 2007
Response via : Initial Calibration

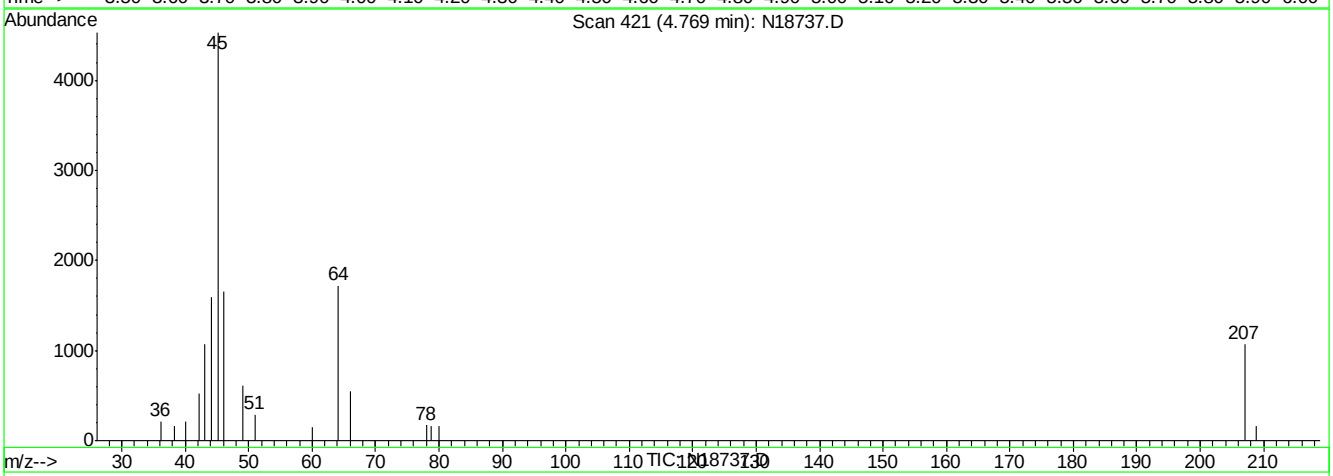


Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18737.D Vial: 21
Acq On : 20 Apr 2007 5:44 pm Operator: alit
Sample : ic678-5 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 12:58 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 12:58:39 2007
Response via : Multiple Level Calibration




(9) chloroethane (M)

4.77min 3.63ug/L m

response 2703

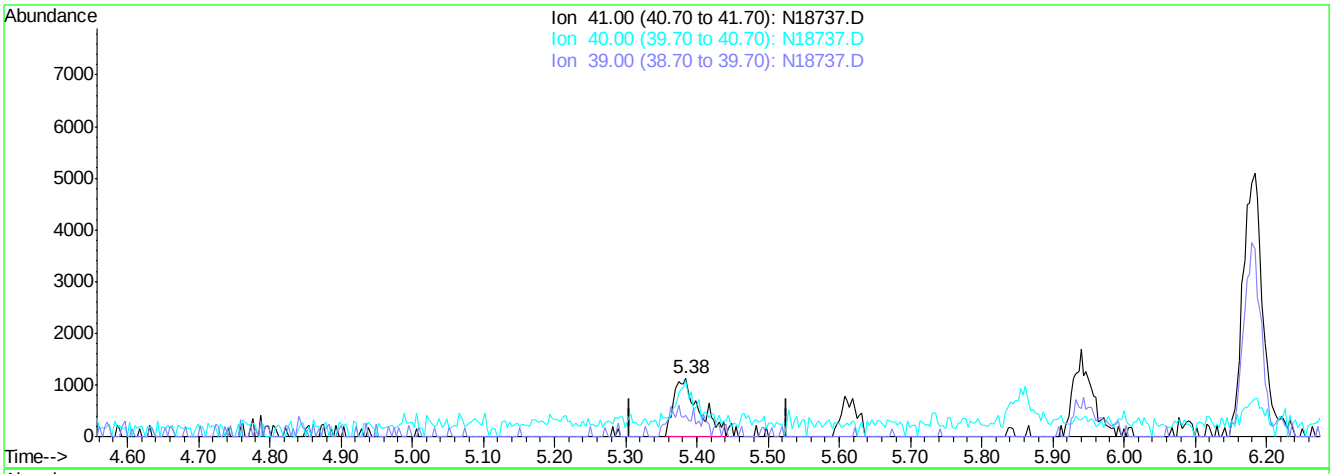
| Ion | Exp% | Act% |
|---|---|---|
| 64.00 | 100 | 100 |
| 66.00 | 33.80 | 32.02 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

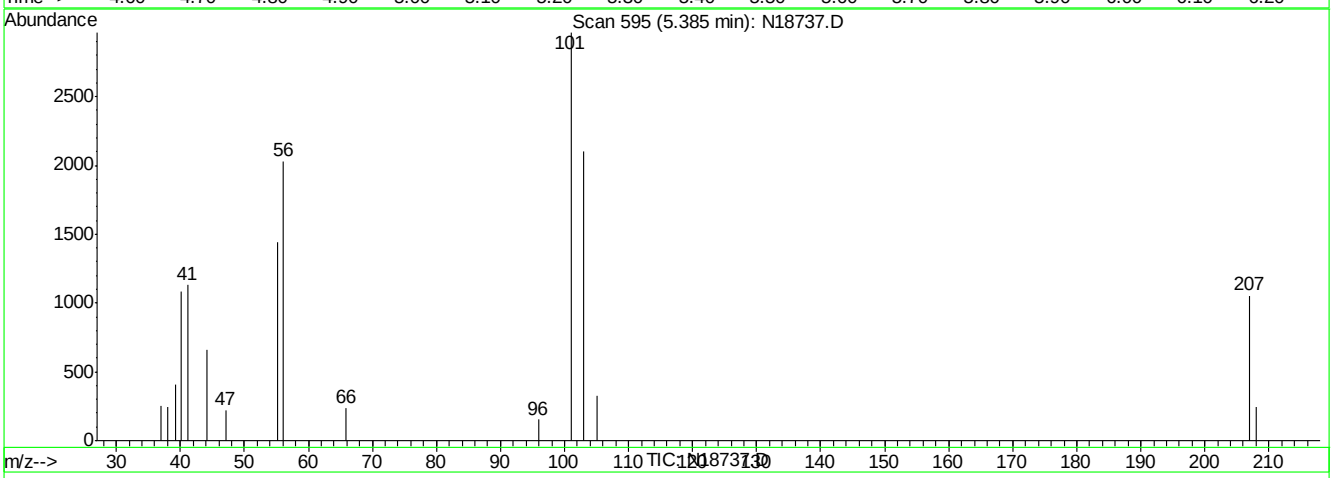
N18737.D N042007W.M Sat Apr 21 12:58:59 2007 RP1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18737.D Vial: 21
Acq On : 20 Apr 2007 5:44 pm Operator: alit
Sample : ic678-5 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 12:59 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 12:58:39 2007
Response via : Multiple Level Calibration




(11) acetonitrile (M)

5.38min 5.79ug/L m

response 2770

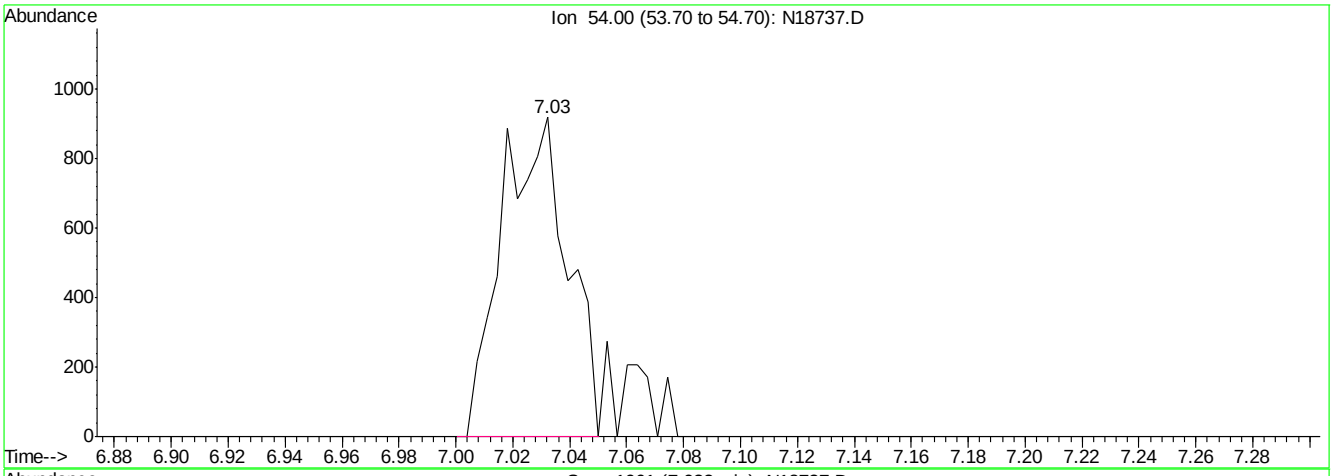
| Ion | Exp% | Act% |
|---|---|---|
| 41.00 | 100 | 100 |
| 40.00 | 46.30 | 95.84# |
| 39.00 | 37.60 | 35.72 |
| 0.00 | 0.00 | 0.00 |

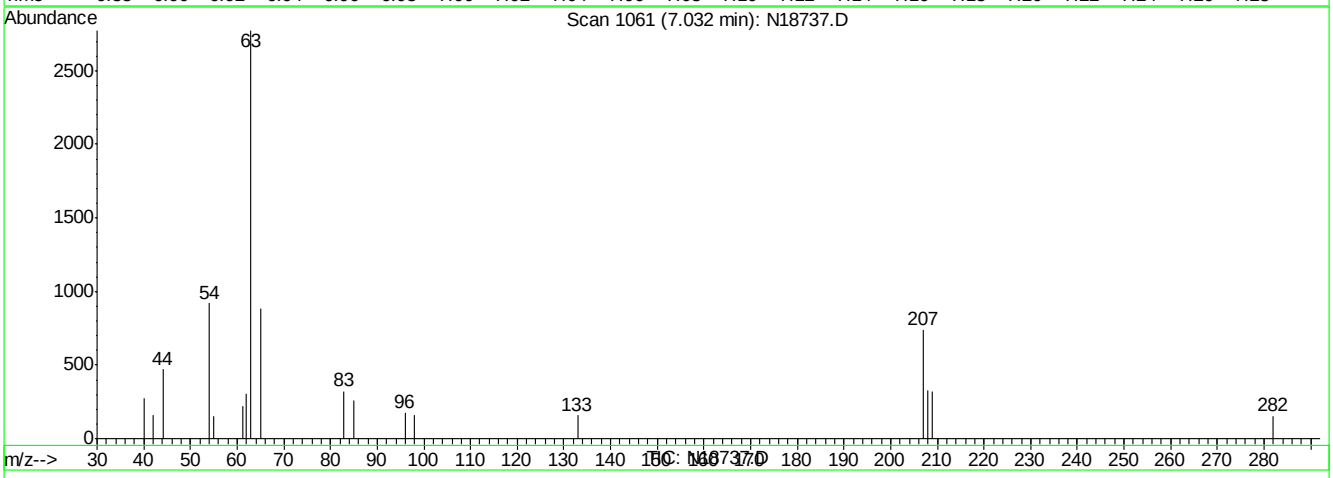
N18737.D N042007W.M Sat Apr 21 12:59:07 2007 RP1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18737.D Vial: 21
Acq On : 20 Apr 2007 5:44 pm Operator: alit
Sample : ic678-5 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 12:59 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 12:58:39 2007
Response via : Multiple Level Calibration




(25) propionitrile (M)

7.03min 3.95ug/L m

response 1475

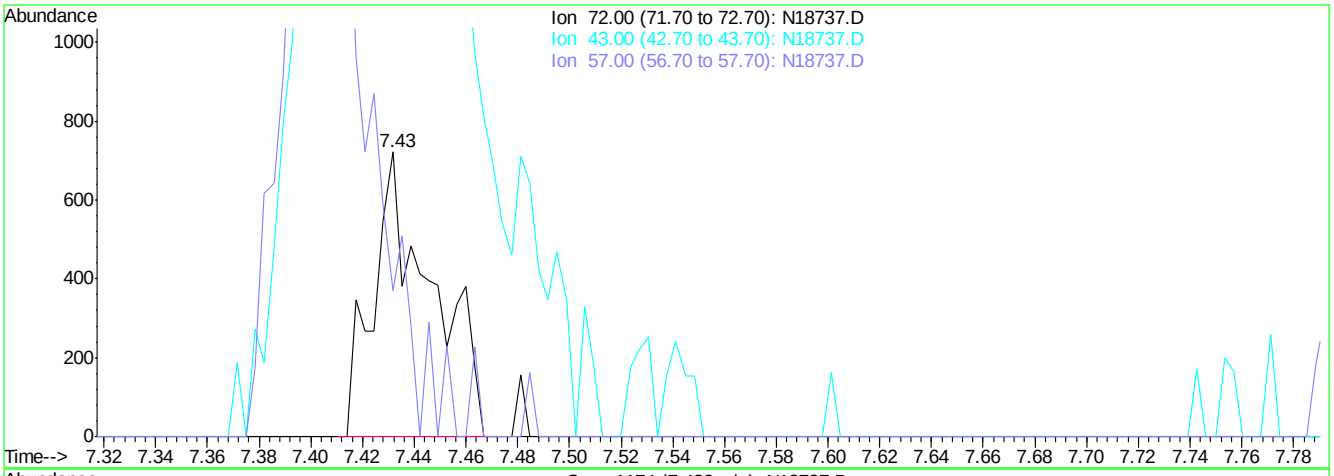
| Ion | Exp% | Act% |
|---|---|---|
| 54.00 | 100 | 100 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

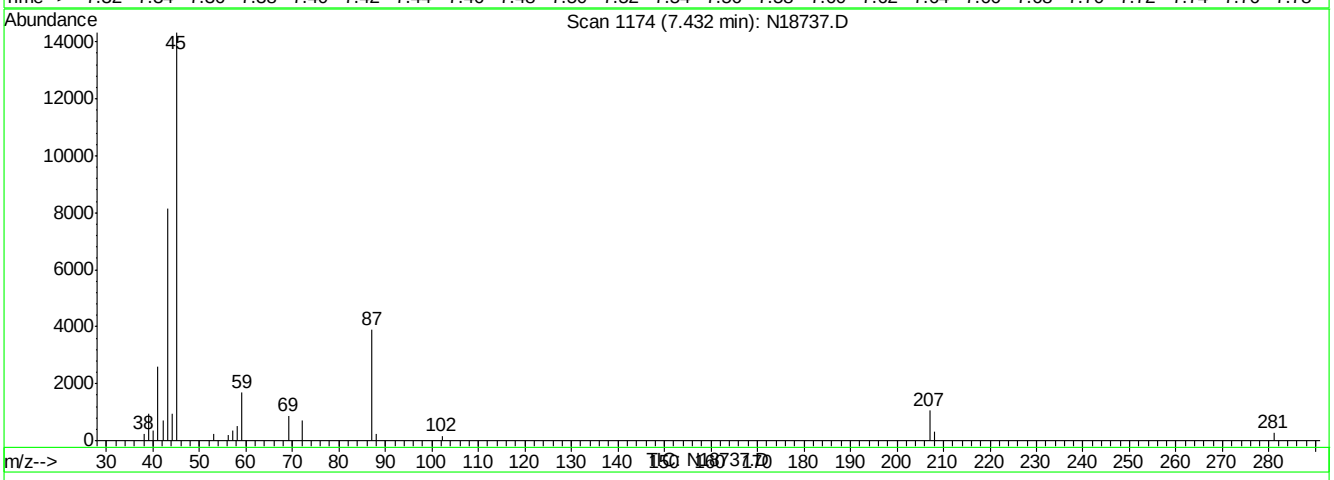
N18737.D N042007W.M Sat Apr 21 12:59:47 2007 RP1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18737.D Vial: 21
Acq On : 20 Apr 2007 5:44 pm Operator: alit
Sample : ic678-5 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 12:59 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 12:58:39 2007
Response via : Multiple Level Calibration




(30) 2-butanone (M)

7.43min 4.12ug/L m

response 1130

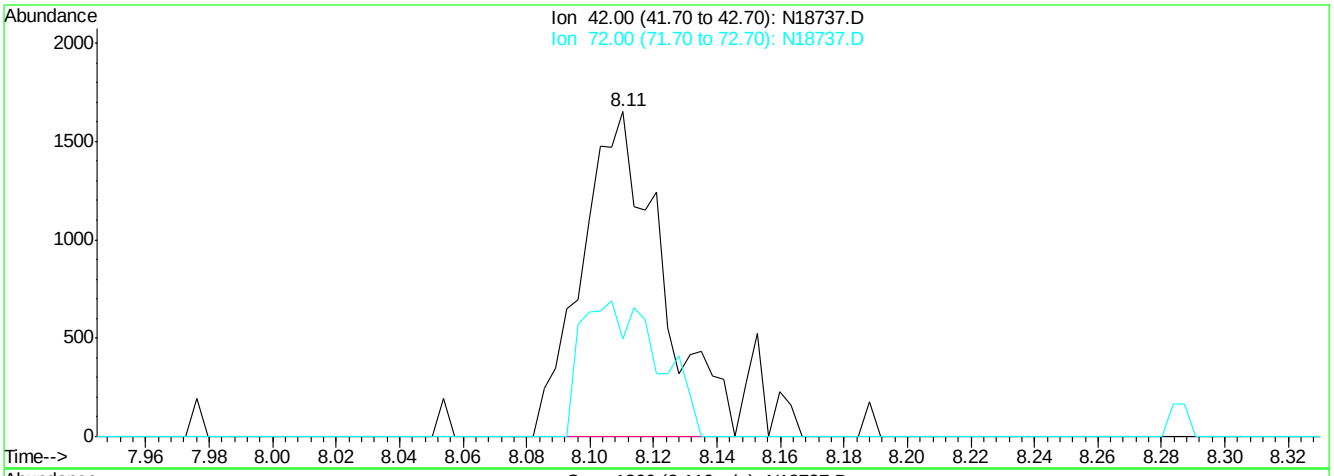
| Ion | Exp% | Act% |
|---|---|---|
| 72.00 | 100 | 100 |
| 43.00 | 1369.30 | 1125.76# |
| 57.00 | 236.30 | 51.11# |
| 0.00 | 0.00 | 0.00 |

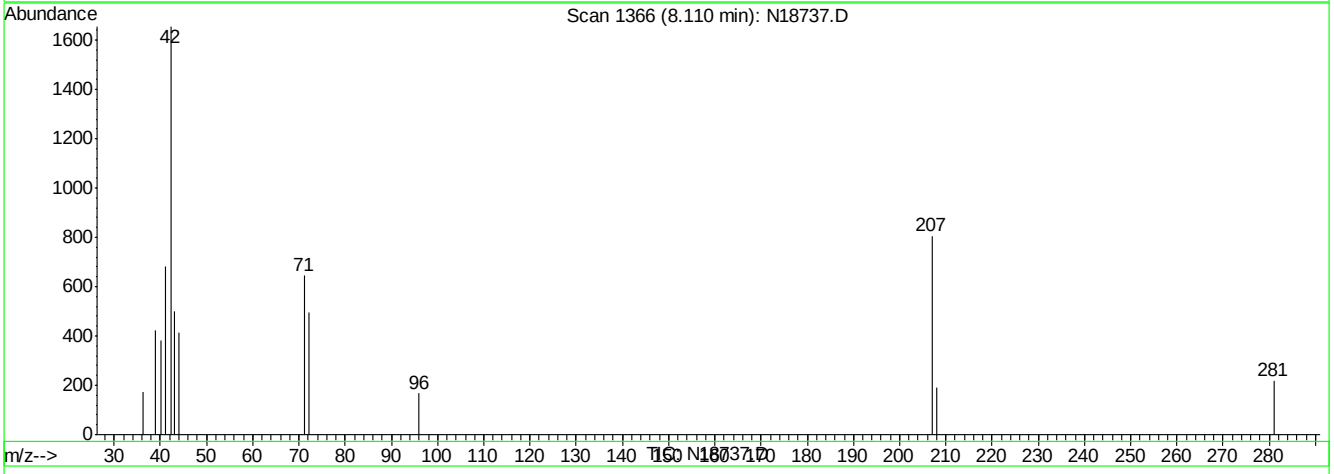
N18737.D N042007W.M Sat Apr 21 12:59:58 2007 RP1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18737.D Vial: 21
Acq On : 20 Apr 2007 5:44 pm Operator: alit
Sample : ic678-5 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:00 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 12:58:39 2007
Response via : Multiple Level Calibration




(41) Tetrahydrofuran (M)

8.11min 4.18ug/L m

response 2868

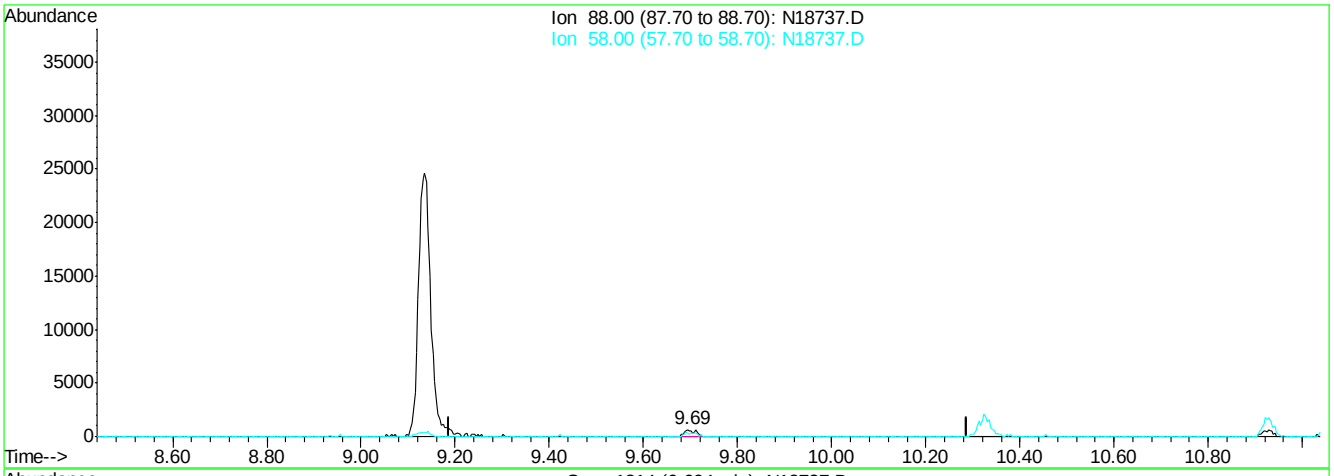
| Ion | Exp% | Act% |
|---|---|---|
| 42.00 | 100 | 100 |
| 72.00 | 39.80 | 29.91 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

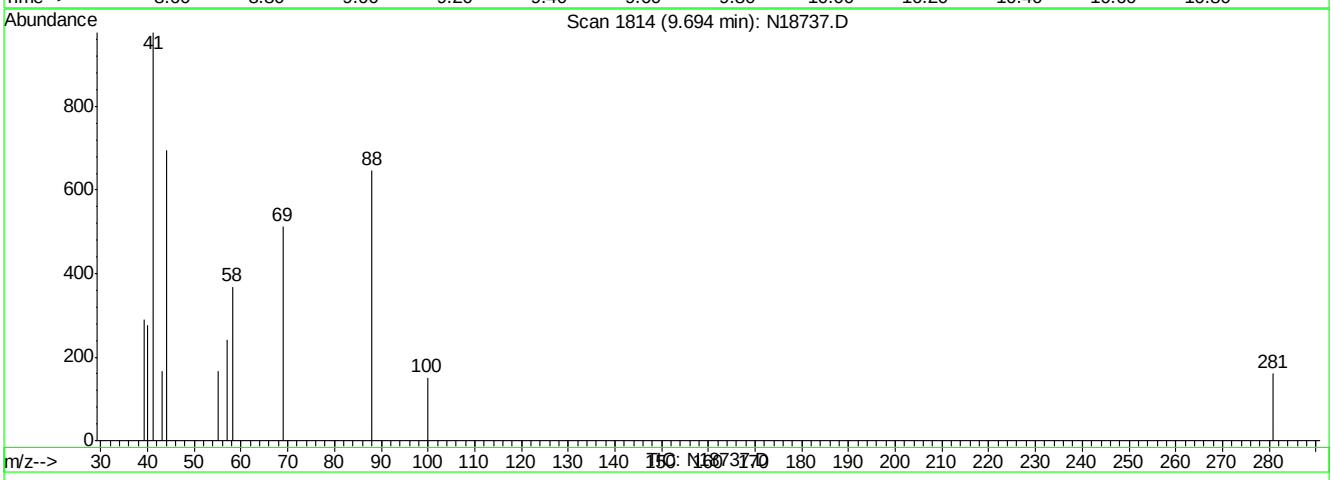
N18737.D N042007W.M Sat Apr 21 13:00:21 2007 RP1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18737.D Vial: 21
Acq On : 20 Apr 2007 5:44 pm Operator: alit
Sample : ic678-5 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:00 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 12:58:39 2007
Response via : Multiple Level Calibration




(58) 1,4-dioxane (M)

9.69min 28.21ug/L m

response 1063

| Ion | Exp% | Act% |
|---|---|---|
| 88.00 | 100 | 100 |
| 58.00 | 61.40 | 56.94 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

N18737.D N042007W.M Sat Apr 21 13:00:41 2007 RP1

N18738.D

Manual Integrations APPROVED (compounds with "m" flag)

Doug Yargeau 04/23/07 14:08

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18738.D Vial: 22
Acq On : 20 Apr 2007 6:13 pm Operator: alit
Sample : ic678-2 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 12:42:40 2007 Quant Results File: N042007W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 12:40:56 2007
Response via : Initial Calibration
DataAcq Meth : N8260

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 5.86 | 65 | 94732 | 500.00 ug/L | 0.00 |
| 3) pentafluorobenzene | 8.27 | 168 | 228805 | 50.00 ug/L | 0.00 |
| 43) 1,4-difluorobenzene | 9.14 | 114 | 307263 | 50.00 ug/L | 0.00 |
| 66) chlorobenzene-d5 | 12.38 | 82 | 151923 | 50.00 ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 14.94 | 152 | 194382 | 50.00 ug/L | 0.00 |

System Monitoring Compounds

| | | | | | |
|---|---|---|---|---|---|
| 40) dibromofluoromethane (s) | 7.90 | 113 | 107051 | 49.27 ug/L | 0.00 |
| Spiked Amount 50.000 | Range 84 - 129 | | Recovery = 98.54% | | |
| 60) toluene-d8 (s) | 10.93 | 98 | 374508 | 48.54 ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 97.08% | | |
| 82) bromofluorobenzene (s) | 13.61 | 95 | 157211 | 51.15 ug/L | 0.00 |
| Spiked Amount 50.000 | Range 82 - 118 | | Recovery = 102.30% | | |

Target Compounds

| | | | | | Qvalue |
|---|---|---|---|---|---|
| 2) tertiary butyl alcohol | 5.94 | 59 | 5177 | 21.84 ug/L # | 51 |
| 4) Ethanol | 4.78 | 45 | 6322 | 156.69 ug/L # | 41 |
| 6) chloromethane | 3.94 | 50 | 3789 | 2.18 ug/L | 82 |
| 7) vinyl chloride | 4.16 | 62 | 3144 | 2.21 ug/L | 84 |
| 8) bromomethane | 4.61 | 96 | 1902m | 1.96 ug/L | |
| 9) chloroethane | 4.77 | 64 | 1356m | 1.90 ug/L | |
| 10) ethyl ether | 5.62 | 59 | 2835m | 1.93 ug/L | |
| 11) acetonitrile | 5.38 | 41 | 1077m | 2.35 ug/L | |
| 12) trichlorofluoromethane | 5.38 | 101 | 4779 | 6.00 ug/L | 88 |
| 13) freon-113 | 6.12 | 101 | 3106 | 4.45 ug/L | 87 |
| 14) acrolein | 5.37 | 56 | 2592m | 6.55 ug/L | |
| 15) 1,1-dichloroethene | 5.94 | 96 | 3781 | 3.46 ug/L | 86 |
| 16) acetone | 5.50 | 43 | 2194m | 2.79 ug/L | |
| 17) Methyl Acetate | 6.12 | 43 | 5725 | 1.95 ug/L # | 95 |
| 18) methylene chloride | 6.08 | 84 | 4825 | 2.26 ug/L | 90 |
| 19) methyl tert butyl ether | 6.86 | 73 | 9300 | 1.93 ug/L | 97 |
| 20) acrylonitrile | 5.99 | 53 | 7950 | 9.48 ug/L | 98 |
| 21) allyl chloride | 6.18 | 41 | 4599 | 2.33 ug/L | 88 |
| 22) trans-1,2-dichloroethene | 6.76 | 96 | 3922 | 2.10 ug/L | 82 |
| 23) iodomethane | 5.99 | 142 | 5006 | 2.09 ug/L | 82 |
| 24) carbon disulfide | 6.34 | 76 | 10979 | 2.07 ug/L | 100 |
| 25) propionitrile | 7.04 | 54 | 463m | 1.30 ug/L | |
| 26) vinyl acetate | 7.13 | 43 | 5593 | 5.93 ug/L | 91 |
| 27) chloroprene | 7.38 | 53 | 3632 | 4.07 ug/L | 97 |
| 28) di-isopropyl ether | 7.43 | 45 | 12201 | 2.01 ug/L | 89 |
| 29) methacrylonitrile | 7.53 | 41 | 2202m | 1.65 ug/L | |
| 30) 2-butanone | 7.44 | 72 | 228m | 0.87 ug/L | |
| 31) Hexane | 7.41 | 41 | 4929 | 2.42 ug/L # | 77 |
| 32) 1,1-dichloroethane | 7.01 | 63 | 6333 | 2.05 ug/L | 89 |
| 33) tert-butyl ethyl ether | 7.82 | 59 | 9992 | 1.86 ug/L | 94 |
| 34) isobutyl alcohol | 7.43 | 43 | 10257 | 10.86 ug/L | 96 |
| 35) 2,2-dichloropropane | 7.87 | 77 | 4246 | 1.97 ug/L | 91 |
| 36) cis-1,2-dichloroethene | 7.58 | 96 | 4733 | 2.10 ug/L | 88 |
| 37) ethyl acetate | 7.82 | 43 | 2093m | 3.49 ug/L | |
| 38) bromochloromethane | 7.75 | 128 | 2095m | 1.96 ug/L | |

(#) = qualifier out of range (m) = manual integration
N18738.D N042007W.M Sat Apr 21 13:53:21 2007 RP1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18738.D Vial: 22
Acq On : 20 Apr 2007 6:13 pm Operator: alit
Sample : ic678-2 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 12:42:40 2007 Quant Results File: N042007W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 12:40:56 2007
Response via : Initial Calibration
DataAcq Meth : N8260

| | Compound | R.T. | QIon | Response | Conc Unit | | Qvalue |
|---|---|---|---|---|---|---|---|
| 39) | chloroform | 7.79 | 83 | 6433 | 1.94 ug/L | | 99 |
| 41) | Tetrahydrofuran | 8.11 | 42 | 1097m | 1.67 ug/L | | |
| 42) | 1,1,1-trichloroethane | 8.53 | 97 | 4794 | 1.90 ug/L | | 94 |
| 44) | Cyclohexane | 8.81 | 56 | 5165 | 1.52 ug/L | # | 92 |
| 45) | carbon tetrachloride | 8.89 | 117 | 4658 | 2.03 ug/L | | 93 |
| 46) | 1,1-dichloropropene | 8.70 | 75 | 4588 | 2.86 ug/L | | 92 |
| 47) | benzene | 8.92 | 78 | 14620 | 2.02 ug/L | | 97 |
| 48) | 1,2-dichloroethane | 8.42 | 62 | 4574 | 1.92 ug/L | | 91 |
| 49) | tert-amyl methyl ether | 9.06 | 73 | 9344 | 1.81 ug/L | | 95 |
| 50) | heptane | 9.43 | 43 | 4083 | 2.43 ug/L | | 93 |
| 51) | trichloroethene | 9.55 | 95 | 3924 | 1.97 ug/L | | 88 |
| 52) | 1,2-dichloropropane | 9.51 | 63 | 3550 | 1.93 ug/L | | 90 |
| 53) | dibromomethane | 9.48 | 93 | 2754m | 2.11 ug/L | | |
| 54) | bromodichloromethane | 9.60 | 83 | 4901 | 1.88 ug/L | | 99 |
| 55) | Methylcyclohexane | 10.06 | 83 | 5735 | 2.24 ug/L | | 93 |
| 56) | 2-chloroethyl vinyl ether | 9.51 | 63 | 3550 | 1.92 ug/L | # | 42 |
| 57) | methyl methacrylate | 9.71 | 69 | 2148m | 1.56 ug/L | | |
| 58) | 1,4-dioxane | 9.71 | 88 | 85m | 2.38 ug/L | | |
| 59) | cis-1,3-dichloropropene | 10.22 | 75 | 5382 | 1.93 ug/L | | 93 |
| 61) | 4-methyl-2-pentanone | 10.33 | 43 | 3469 | 1.64 ug/L | # | 45 |
| 62) | toluene | 11.00 | 92 | 9399 | 1.95 ug/L | | 87 |
| 63) | trans-1,3-dichloropropene | 10.65 | 75 | 4347 | 1.74 ug/L | | 90 |
| 64) | 1,1,2-trichloroethane | 10.81 | 83 | 3236 | 1.94 ug/L | | 93 |
| 65) | ethyl methacrylate | 11.03 | 69 | 4694 | 1.81 ug/L | | 84 |
| 67) | tetrachloroethene | 11.73 | 166 | 5669 | 2.26 ug/L | | 89 |
| 68) | 1,3-dichloropropane | 11.05 | 76 | 6280 | 2.12 ug/L | | 90 |
| 69) | dibromochloromethane | 11.33 | 129 | 4326 | 1.86 ug/L | | 94 |
| 70) | 1,2-dibromoethane | 11.57 | 107 | 4249 | 1.98 ug/L | | 81 |
| 71) | 2-hexanone | 11.19 | 43 | 2660m | 1.78 ug/L | | |
| 72) | chlorobenzene | 12.42 | 112 | 12998 | 2.21 ug/L | | 97 |
| 73) | 1,1,1,2-tetrachloroethane | 12.33 | 131 | 3999 | 2.02 ug/L | | 87 |
| 74) | ethylbenzene | 12.60 | 91 | 17781 | 1.99 ug/L | | 96 |
| 75) | m,p-xylene | 12.78 | 106 | 14865 | 4.11 ug/L | | 93 |
| 76) | o-xylene | 13.19 | 106 | 7260 | 2.01 ug/L | | 90 |
| 77) | styrene | 13.13 | 104 | 10006 | 1.75 ug/L | | 91 |
| 78) | bromoform | 12.93 | 173 | 3513 | 6.63 ug/L | | 89 |
| 79) | trans-1,4-dichloro-2-buten | 13.35 | 53 | 1302m | 1.70 ug/L | | |
| 81) | isopropylbenzene | 13.56 | 105 | 15340 | 1.96 ug/L | | 99 |
| 83) | bromobenzene | 13.83 | 156 | 6903 | 2.15 ug/L | | 90 |
| 84) | 1,1,2,2-tetrachloroethane | 13.19 | 83 | 6017 | 2.11 ug/L | | 94 |
| 85) | 1,2,3-trichloropropane | 13.35 | 75 | 6566 | 2.02 ug/L | | 91 |
| 86) | n-propylbenzene | 14.00 | 91 | 23795 | 2.11 ug/L | | 99 |
| 87) | 2-chlorotoluene | 14.11 | 91 | 14127 | 2.03 ug/L | | 99 |
| 88) | 4-chlorotoluene | 14.19 | 91 | 15819 | 2.15 ug/L | | 93 |
| 89) | 1,3,5-trimethylbenzene | 14.29 | 105 | 16176 | 2.05 ug/L | | 99 |
| 90) | tert-butylbenzene | 14.59 | 91 | 8647 | 1.99 ug/L | | 95 |
| 91) | 1,2,4-trimethylbenzene | 14.69 | 105 | 17562 | 2.08 ug/L | | 96 |
| 92) | sec-butylbenzene | 14.81 | 105 | 22610 | 2.07 ug/L | | 99 |
| 93) | 1,3-dichlorobenzene | 14.91 | 146 | 14600 | 2.28 ug/L | | 93 |

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18738.D Vial: 22
Acq On : 20 Apr 2007 6:13 pm Operator: alit
Sample : ic678-2 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 12:42:40 2007 Quant Results File: N042007W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 12:40:56 2007
Response via : Initial Calibration
DataAcq Meth : N8260

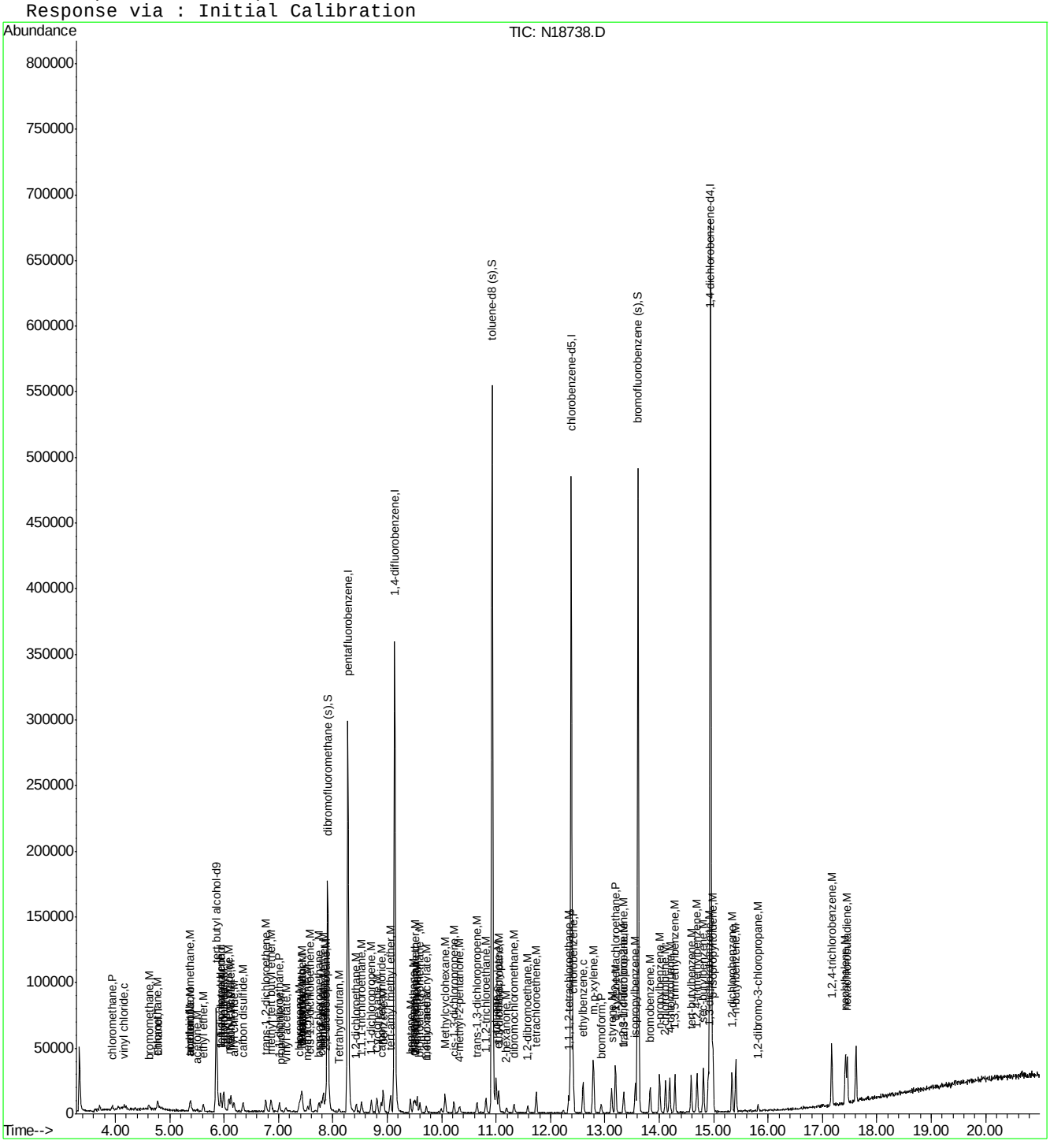
| | Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|---|
| 94) | p-isopropyltoluene | 14.99 | 119 | 21829 | 2.24 ug/L | 97 |
| 96) | 1,4-dichlorobenzene | 14.97 | 146 | 16125 | Below Cal | 90 |
| 97) | 1,2-dichlorobenzene | 15.34 | 146 | 13820 | 2.25 ug/L | 94 |
| 98) | n-butylbenzene | 15.41 | 91 | 22286 | 2.30 ug/L | 90 |
| 99) | 1,2-dibromo-3-chloropropan | 15.82 | 75 | 1197m | 2.01 ug/L | |
| 100) | 1,2,4-trichlorobenzene | 17.17 | 180 | 14786 | 2.90 ug/L | 98 |
| 101) | hexachlorobutadiene | 17.46 | 225 | 7762 | 3.05 ug/L | 90 |
| 102) | naphthalene | 17.42 | 128 | 29210 | 2.47 ug/L | 100 |
| 103) | 1,2,3-trichlorobenzene | 17.62 | 180 | 14667 | Below Cal | 95 |

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18738.D Vial: 22
Acq On : 20 Apr 2007 6:13 pm Operator: alit
Sample : ic678-2 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:10 2007 Quant Results File: N042007W.RES

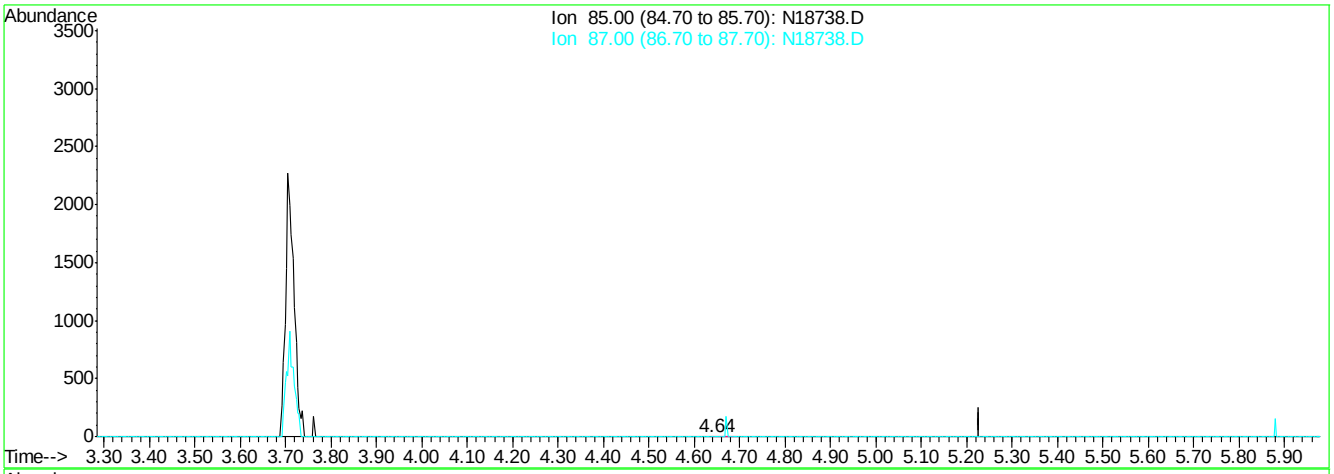
Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:51:39 2007
Response via : Initial Calibration

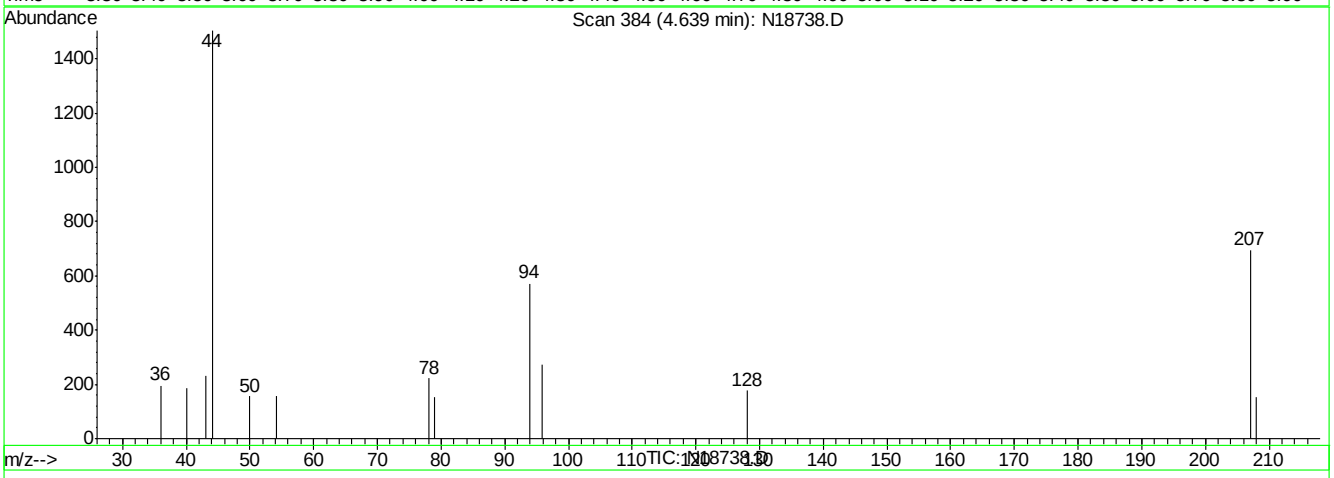


Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18738.D Vial: 22
Acq On : 20 Apr 2007 6:13 pm Operator: alit
Sample : ic678-2 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:01 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:01:30 2007
Response via : Multiple Level Calibration




(5) dichlorodifluoromethane (M)

4.64min 2.07ug/L m

response 0

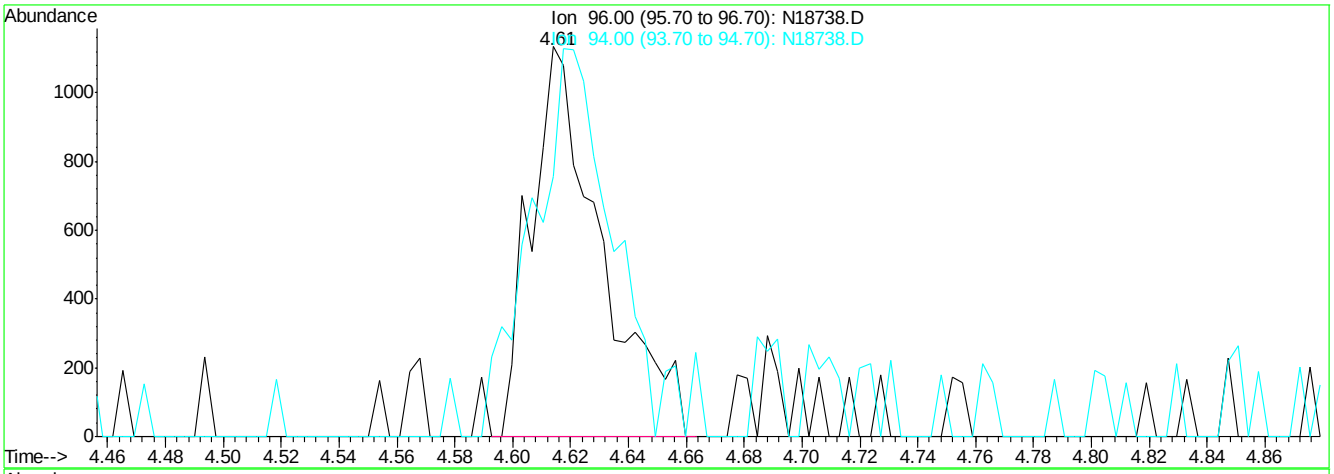
| Ion | Exp% | Act% |
|---|---|---|
| 85.00 | 100 | 0.00 |
| 87.00 | 31.50 | 0.00# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

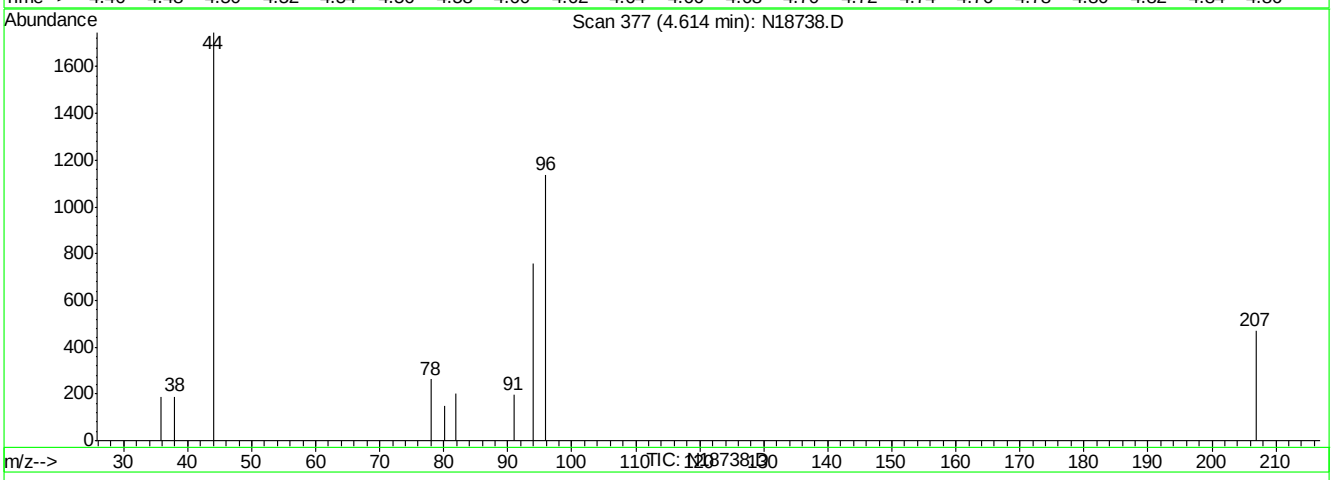
N18738.D N042007W.M Sat Apr 21 13:01:47 2007 RP1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18738.D Vial: 22
Acq On : 20 Apr 2007 6:13 pm Operator: alit
Sample : ic678-2 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:01 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:01:30 2007
Response via : Multiple Level Calibration




(8) bromomethane (M)

4.61min 1.96ug/L m

response 1902

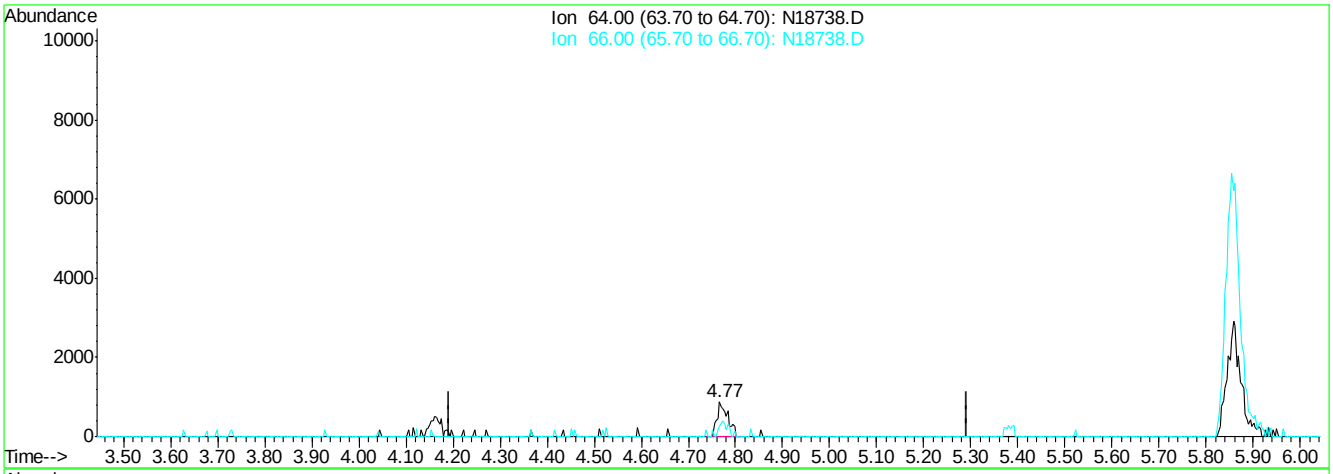
| Ion | Exp% | Act% |
|---|---|---|
| 96.00 | 100 | 100 |
| 94.00 | 103.50 | 66.55# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

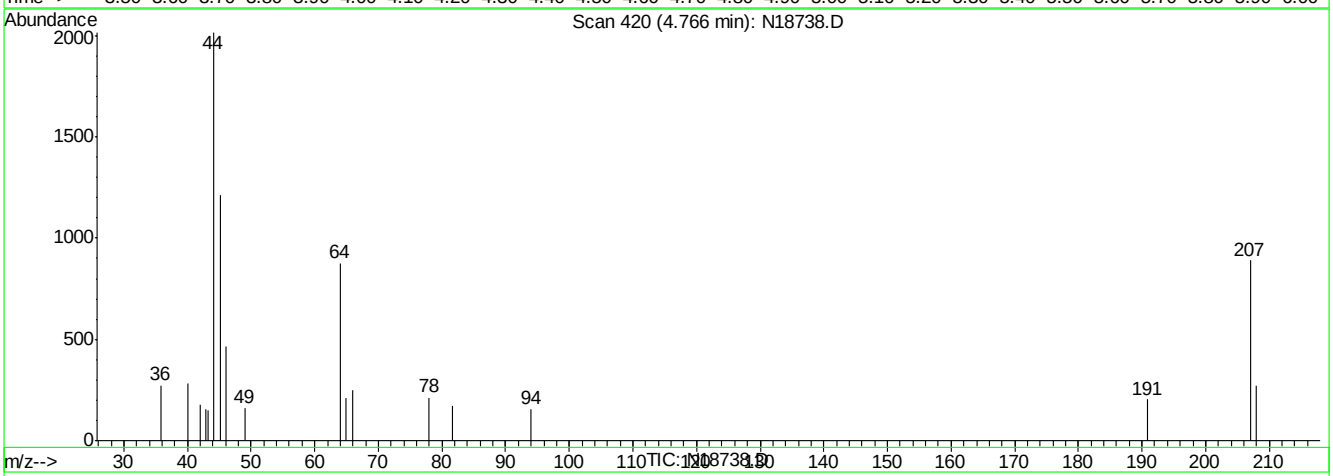
N18738.D N042007W.M Sat Apr 21 13:02:01 2007 RP1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18738.D Vial: 22
Acq On : 20 Apr 2007 6:13 pm Operator: alit
Sample : ic678-2 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:02 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:01:30 2007
Response via : Multiple Level Calibration




(9) chloroethane (M)

4.77min 1.90ug/L m

response 1356

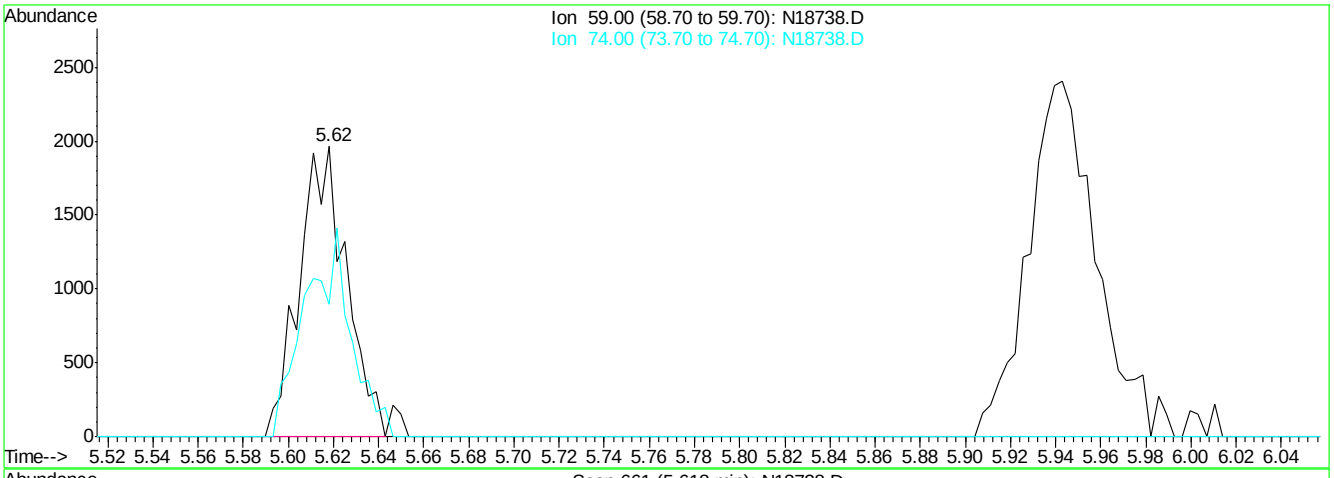
| Ion | Exp% | Act% |
|---|---|---|
| 64.00 | 100 | 100 |
| 66.00 | 33.80 | 28.77 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

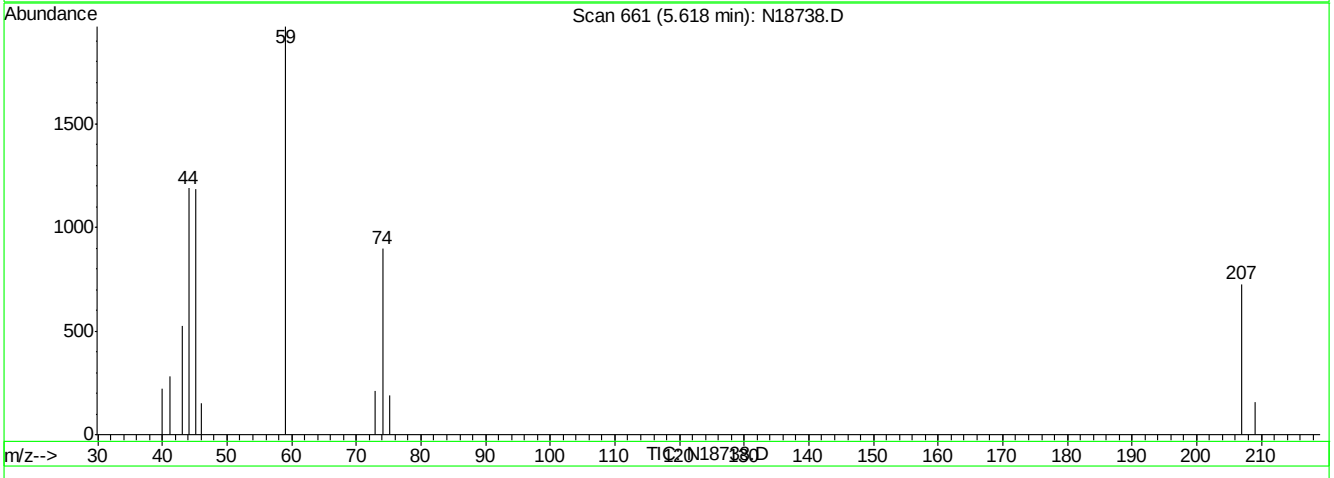
N18738.D N042007W.M Sat Apr 21 13:02:09 2007 RP1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18738.D Vial: 22
Acq On : 20 Apr 2007 6:13 pm Operator: alit
Sample : ic678-2 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:02 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:01:30 2007
Response via : Multiple Level Calibration




(10) ethyl ether (M)

5.62min 1.93ug/L m

response 2835

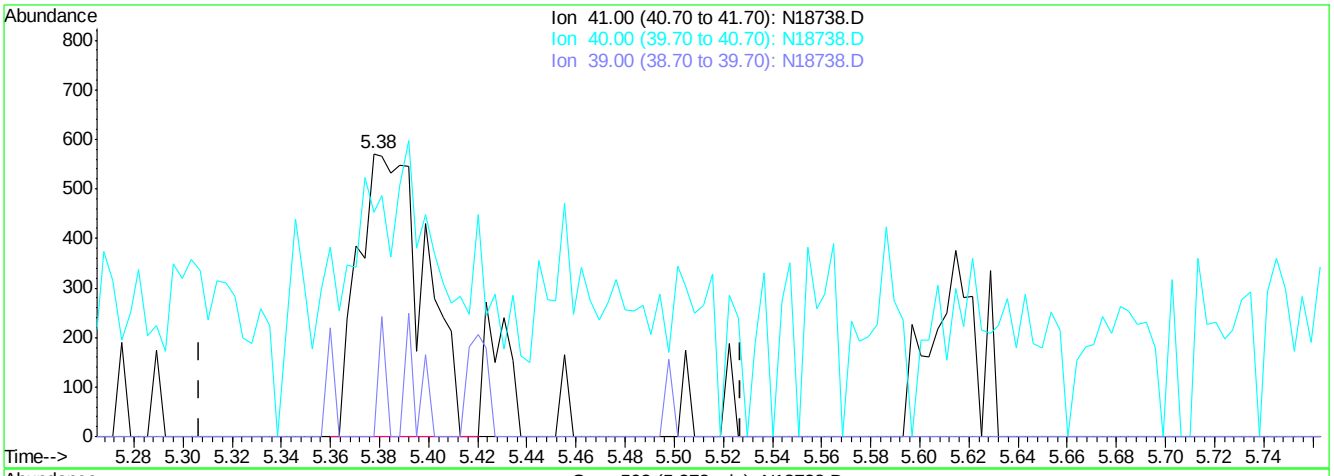
| Ion | Exp% | Act% |
|---|---|---|
| 59.00 | 100 | 100 |
| 74.00 | 69.90 | 45.53 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

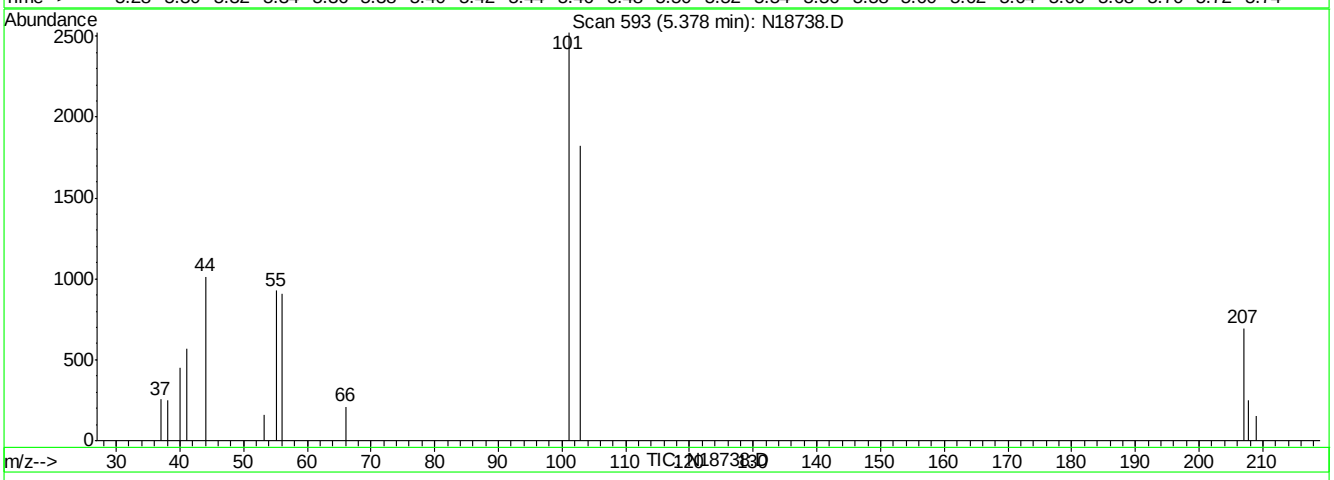
N18738.D N042007W.M Sat Apr 21 13:02:20 2007 RP1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18738.D Vial: 22
Acq On : 20 Apr 2007 6:13 pm Operator: alit
Sample : ic678-2 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:02 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:01:30 2007
Response via : Multiple Level Calibration




(11) acetonitrile (M)

5.38min 2.35ug/L m

response 1077

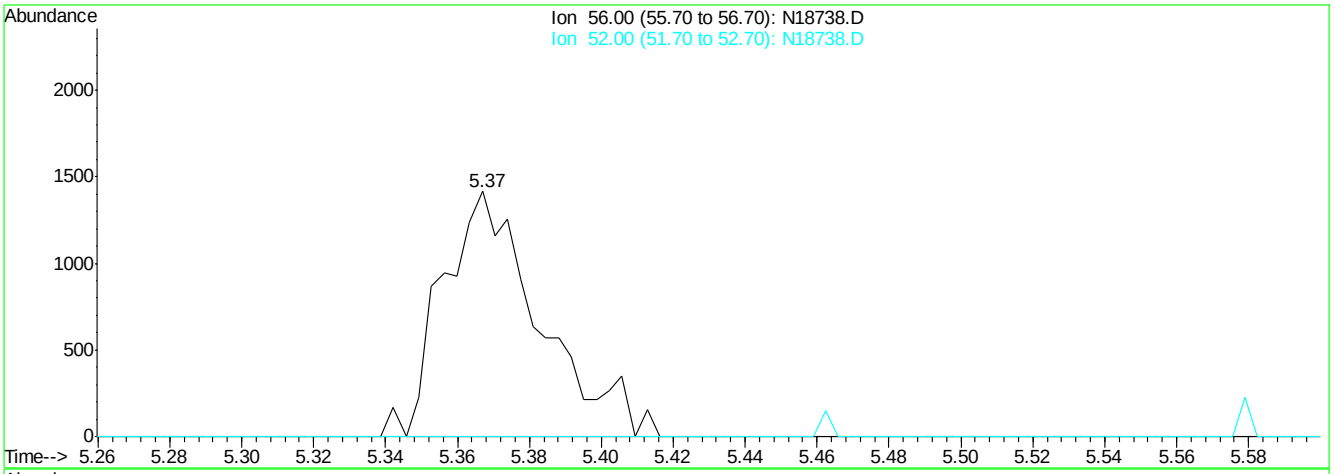
| Ion | Exp% | Act% |
|---|---|---|
| 41.00 | 100 | 100 |
| 40.00 | 46.30 | 79.16# |
| 39.00 | 37.60 | 0.00# |
| 0.00 | 0.00 | 0.00 |

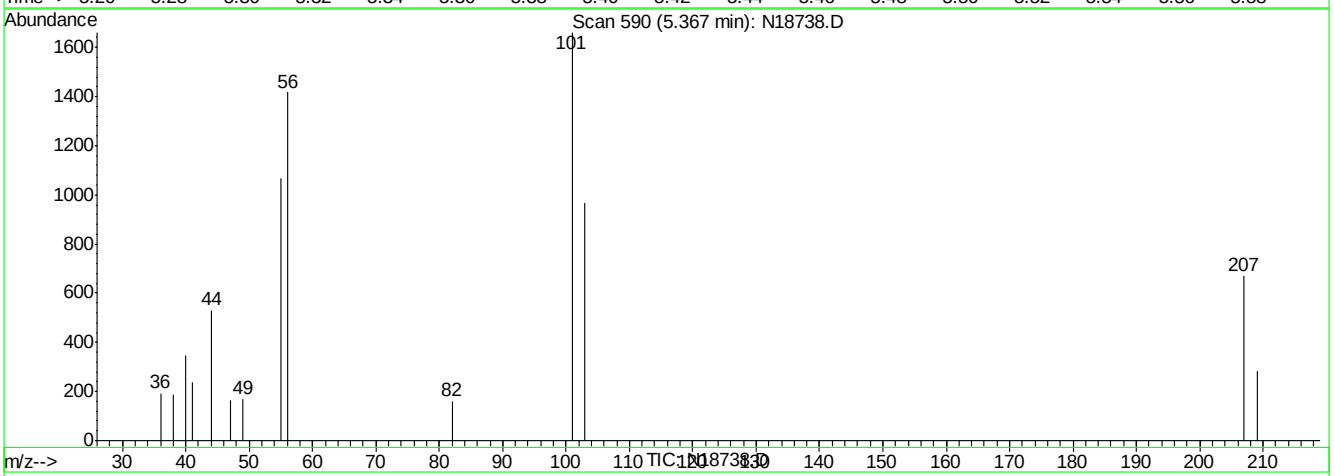
N18738.D N042007W.M Sat Apr 21 13:02:32 2007 RP1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18738.D  Vial: 22
Acq On : 20 Apr 2007 6:13 pm  Operator: alit
Sample : ic678-2  Inst : MAMSN
Misc : ms13382,msn678,,,,5,1  Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:02 2007  Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:01:30 2007
Response via : Multiple Level Calibration




(14) acrolein (M)

5.37min 6.55ug/L m

response 2592

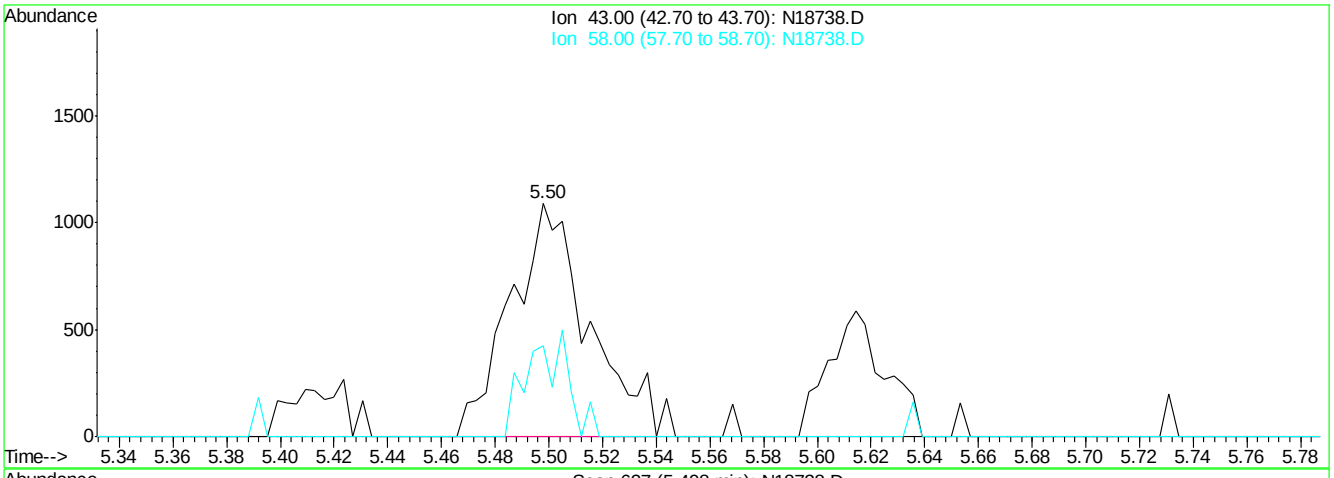
| Ion | Exp% | Act% |
|---|---|---|
| 56.00 | 100 | 100 |
| 52.00 | 1.80 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

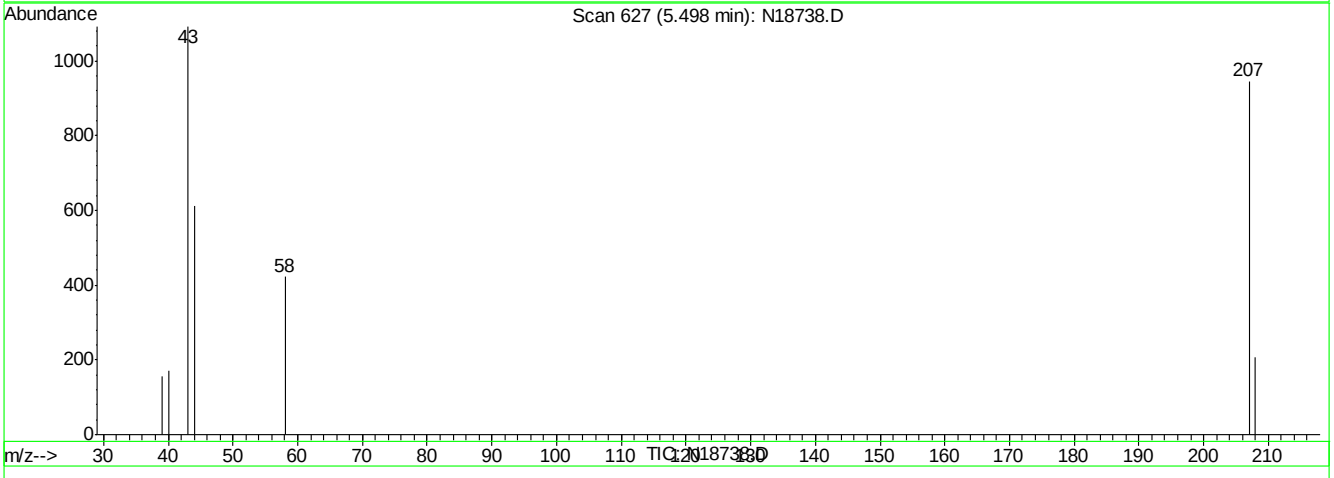
N18738.D N042007W.M Sat Apr 21 13:02:43 2007 RP1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18738.D Vial: 22
Acq On : 20 Apr 2007 6:13 pm Operator: alit
Sample : ic678-2 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:03 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:01:30 2007
Response via : Multiple Level Calibration




(16) acetone (M)

5.50min 2.79ug/L m

response 2194

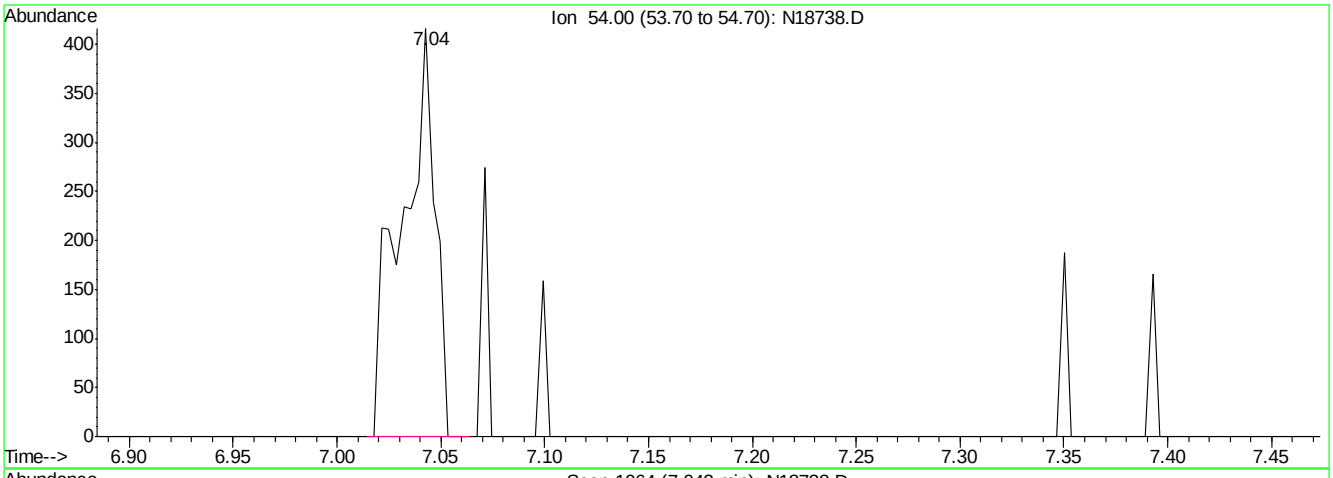
| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 58.00 | 29.00 | 38.74 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

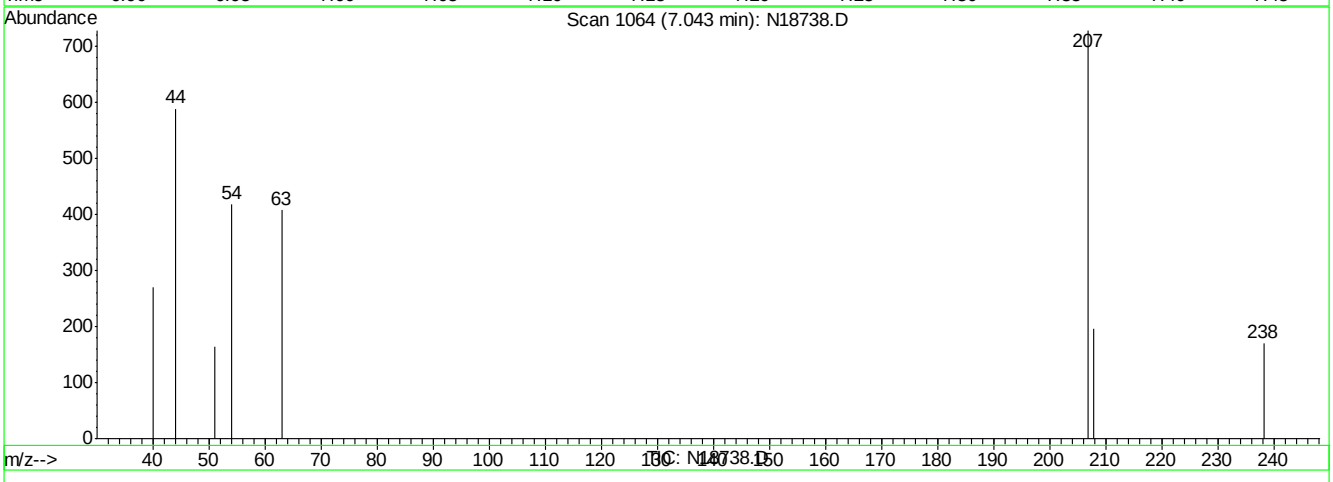
N18738.D N042007W.M Sat Apr 21 13:04:19 2007 RP1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18738.D Vial: 22
Acq On : 20 Apr 2007 6:13 pm Operator: alit
Sample : ic678-2 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:04 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:01:30 2007
Response via : Multiple Level Calibration




(25) propionitrile (M)

7.04min 1.30ug/L m

response 463

| Ion | Exp% | Act% |
|---|---|---|
| 54.00 | 100 | 100 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

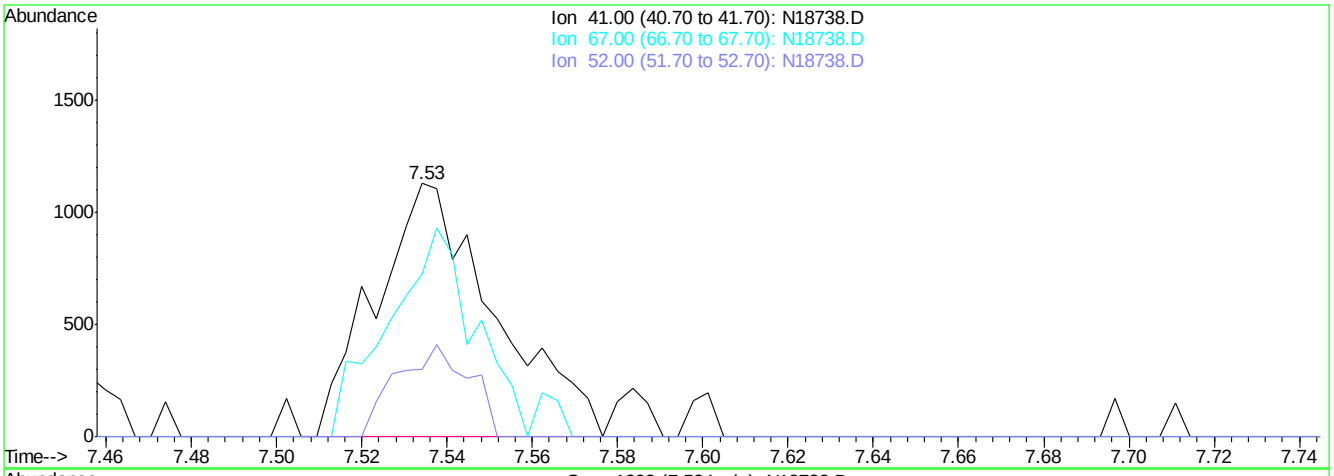
N18738.D N042007W.M Sat Apr 21 13:04:31 2007 RP1

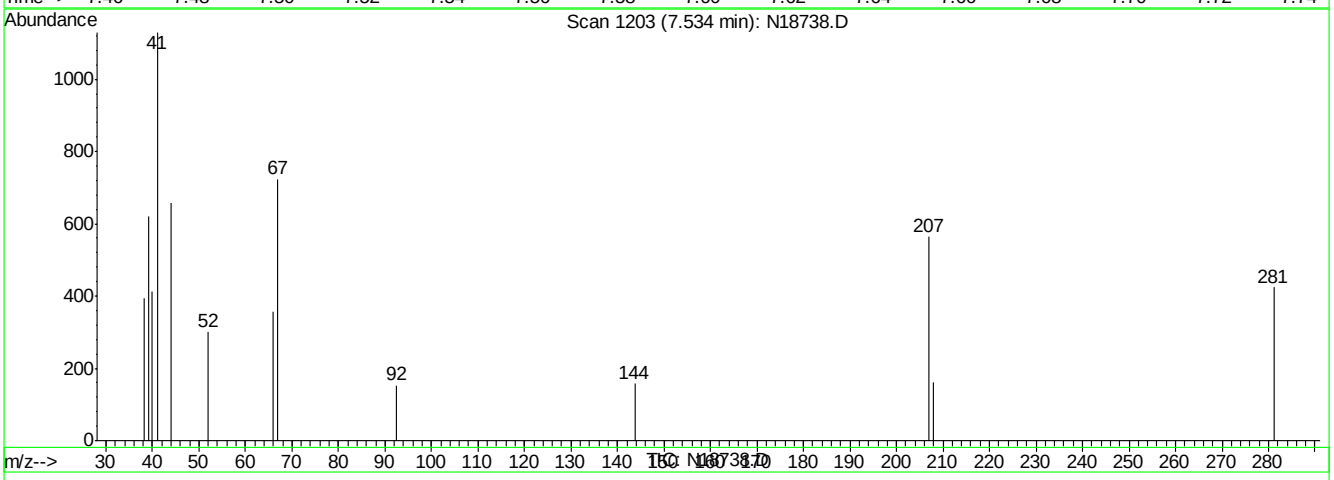
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18738.D Vial: 22
Acq On : 20 Apr 2007 6:13 pm Operator: alit
Sample : ic678-2 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:04 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:01:30 2007
Response via : Multiple Level Calibration






(29) methacrylonitrile (M)

7.53min 1.65ug/L m

response 2202

| Ion | Exp% | Act% |
|---|---|---|
| 41.00 | 100 | 100 |
| 67.00 | 69.10 | 64.04 |
| 52.00 | 25.60 | 26.57 |
| 0.00 | 0.00 | 0.00 |

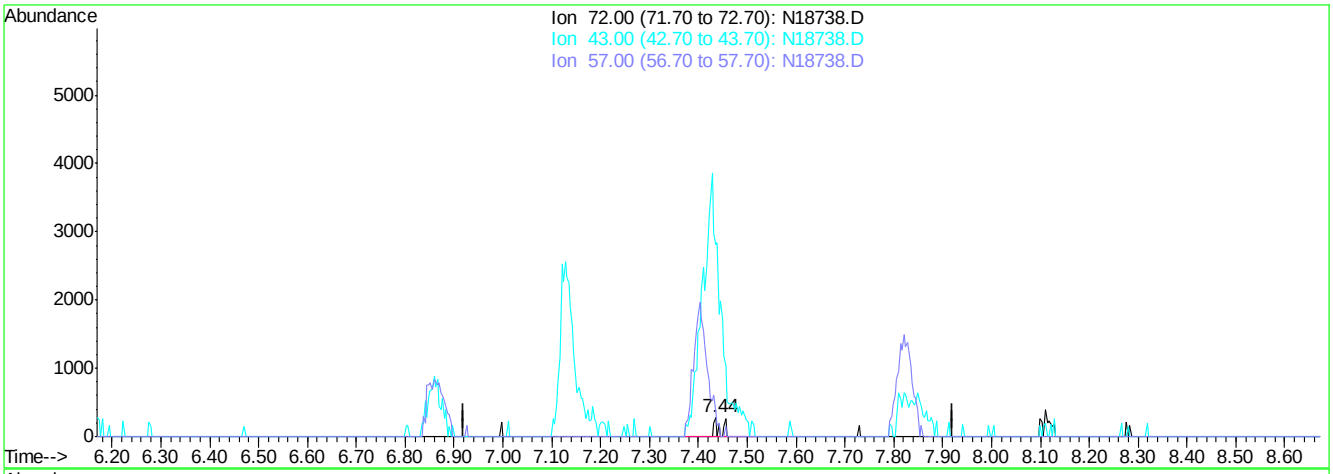
N18738.D N042007W.M Sat Apr 21 13:04:42 2007 RP1

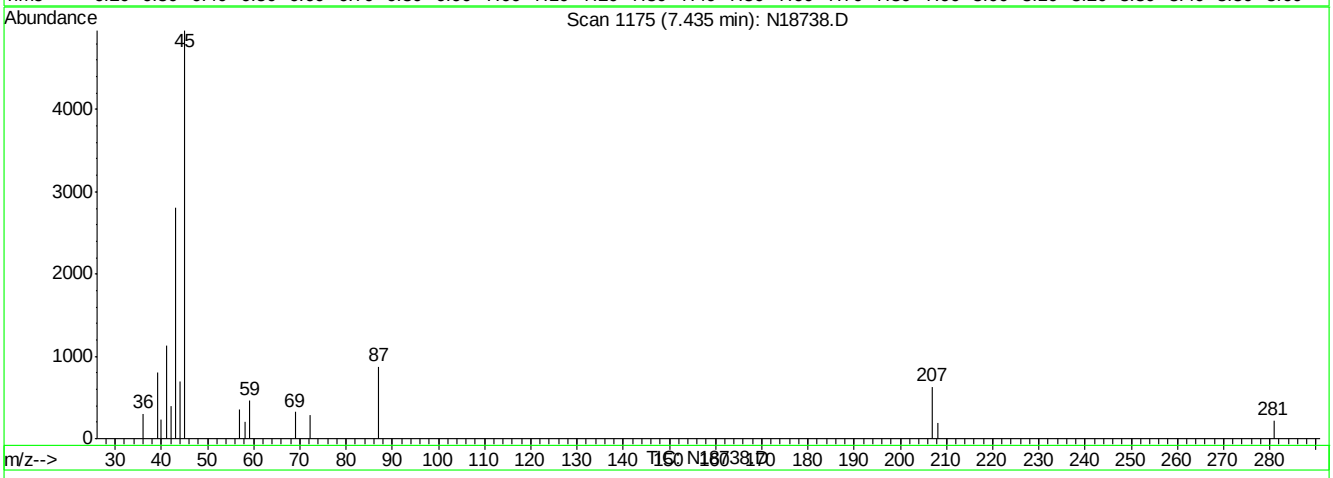
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18738.D Vial: 22
Acq On : 20 Apr 2007 6:13 pm Operator: alit
Sample : ic678-2 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:04 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:01:30 2007
Response via : Multiple Level Calibration






(30) 2-butanone (M)

7.44min 0.87ug/L m

response 228

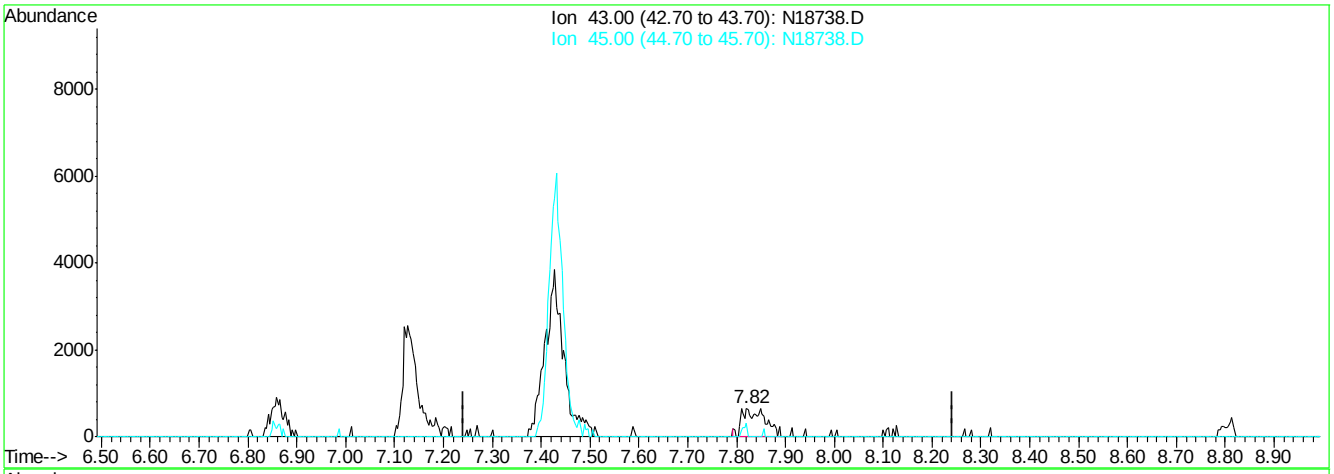
| Ion | Exp% | Act% |
|---|---|---|
| 72.00 | 100 | 100 |
| 43.00 | 1369.30 | 1001.07# |
| 57.00 | 236.30 | 127.76# |
| 0.00 | 0.00 | 0.00 |

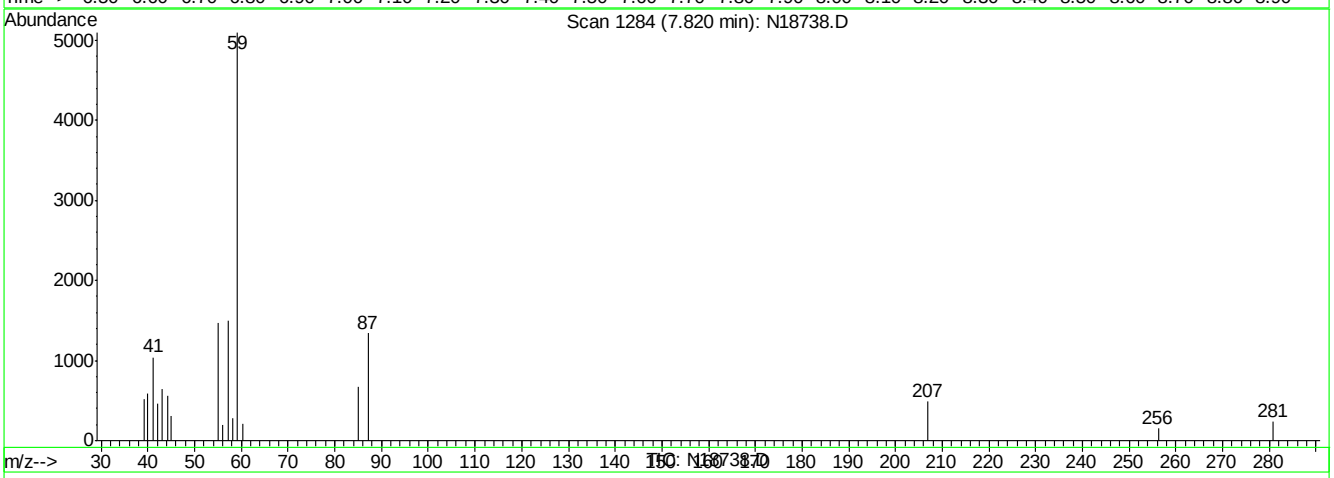
N18738.D N042007W.M Sat Apr 21 13:04:49 2007 RP1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18738.D Vial: 22
Acq On : 20 Apr 2007 6:13 pm Operator: alit
Sample : ic678-2 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:07 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:01:30 2007
Response via : Multiple Level Calibration




(37) ethyl acetate (M)

7.82min 3.49ug/L m

response 2093

| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 45.00 | 8.50 | 46.69# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

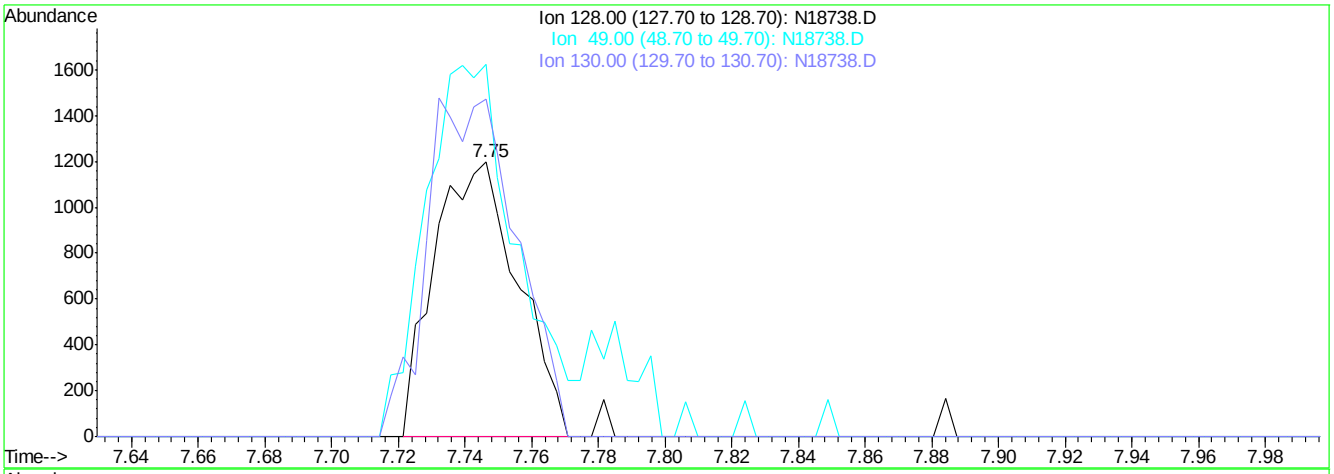
N18738.D N042007W.M Sat Apr 21 13:07:38 2007 RP1

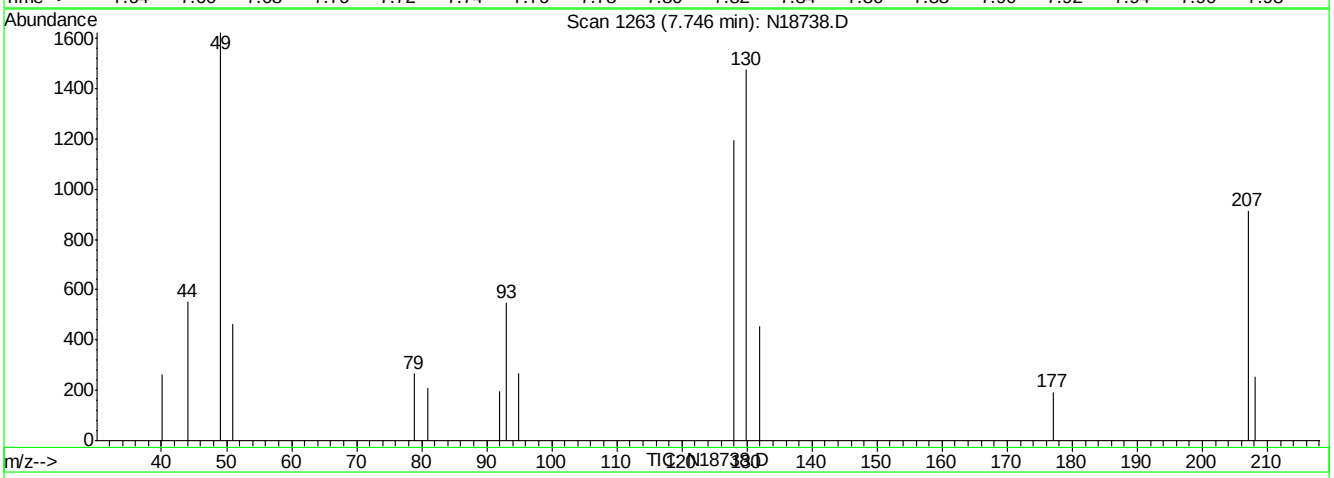
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18738.D Vial: 22
Acq On : 20 Apr 2007 6:13 pm Operator: alit
Sample : ic678-2 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:07 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:01:30 2007
Response via : Multiple Level Calibration






(38) bromochloromethane (M)

7.75min 1.96ug/L m

response 2095

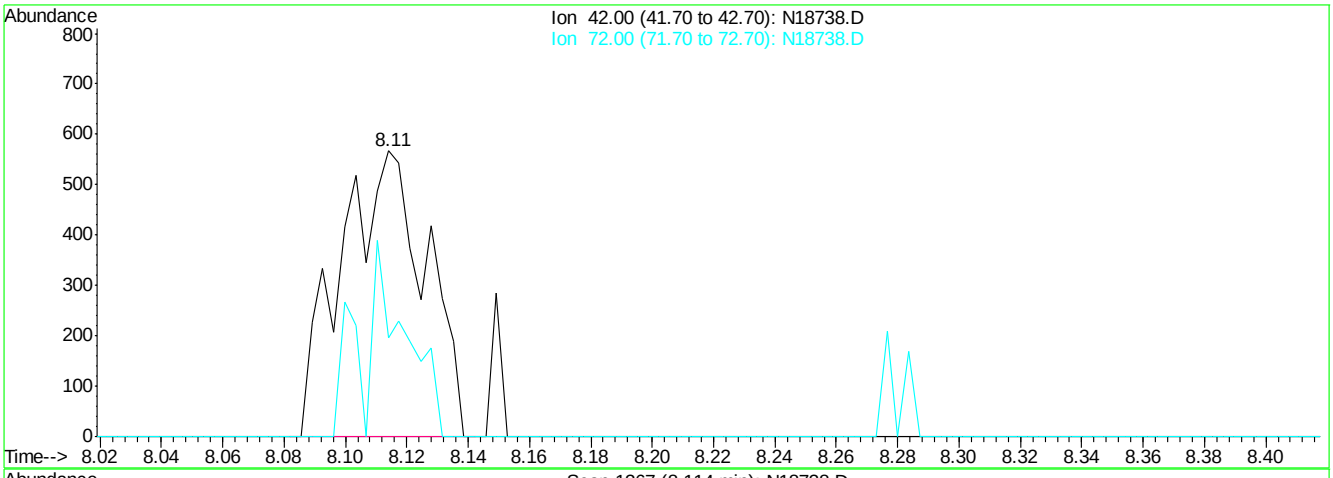
| Ion | Exp% | Act% |
|---|---|---|
| 128.00 | 100 | 100 |
| 49.00 | 156.10 | 135.59 |
| 130.00 | 126.20 | 123.14 |
| 0.00 | 0.00 | 0.00 |

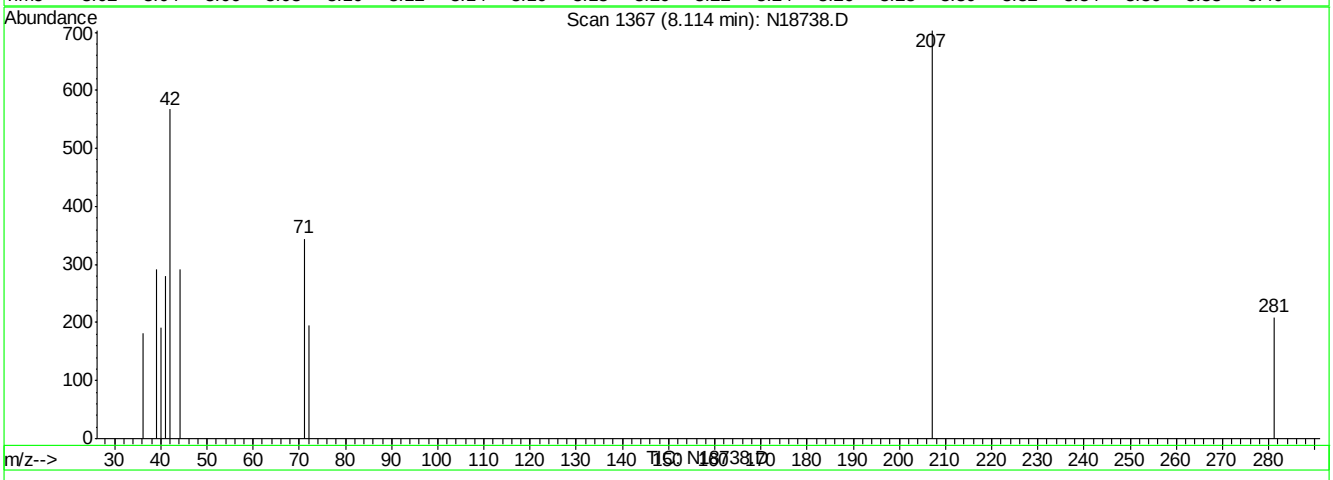
N18738.D N042007W.M Sat Apr 21 13:07:46 2007 RP1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18738.D Vial: 22
Acq On : 20 Apr 2007 6:13 pm Operator: alit
Sample : ic678-2 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:07 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:01:30 2007
Response via : Multiple Level Calibration




(41) Tetrahydrofuran (M)

8.11min 1.67ug/L m

response 1097

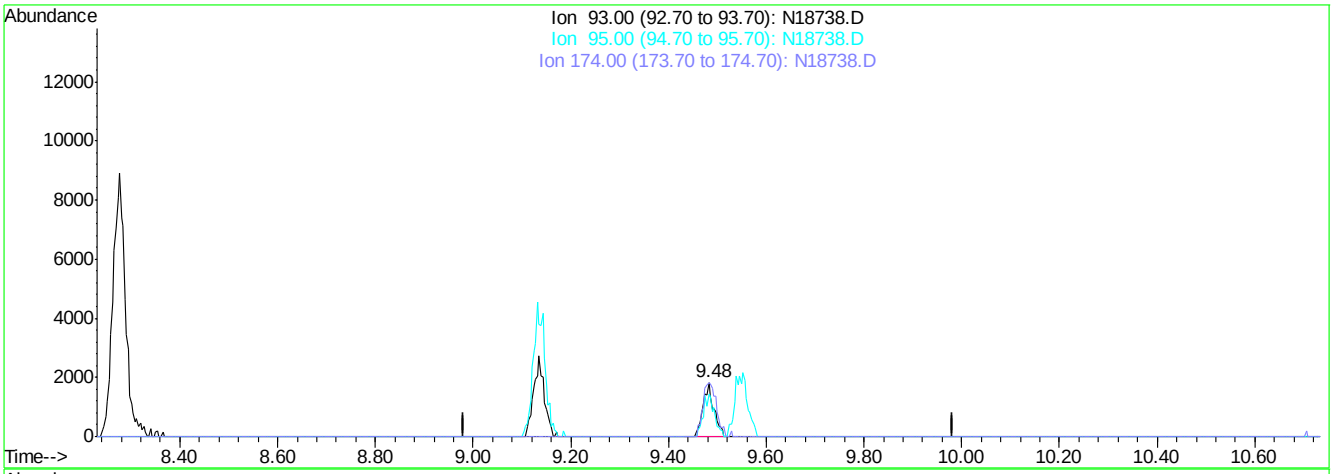
| Ion | Exp% | Act% |
|---|---|---|
| 42.00 | 100 | 100 |
| 72.00 | 39.80 | 34.57 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

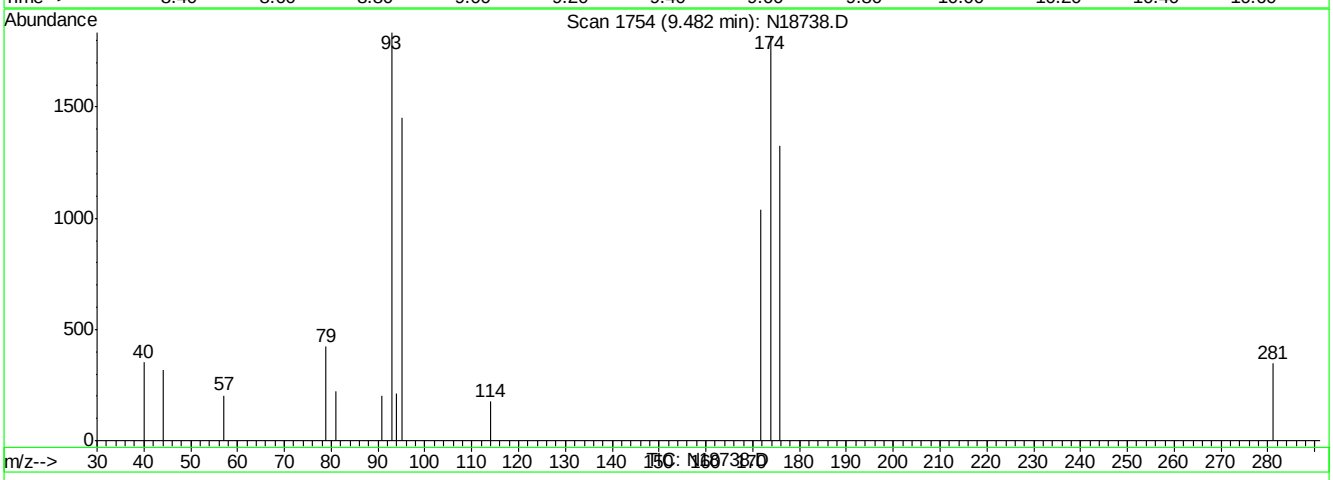
N18738.D N042007W.M Sat Apr 21 13:07:58 2007 RP1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18738.D Vial: 22
Acq On : 20 Apr 2007 6:13 pm Operator: alit
Sample : ic678-2 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:08 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:01:30 2007
Response via : Multiple Level Calibration




(53) dibromomethane (M)

9.48min 2.11ug/L m

response 2754

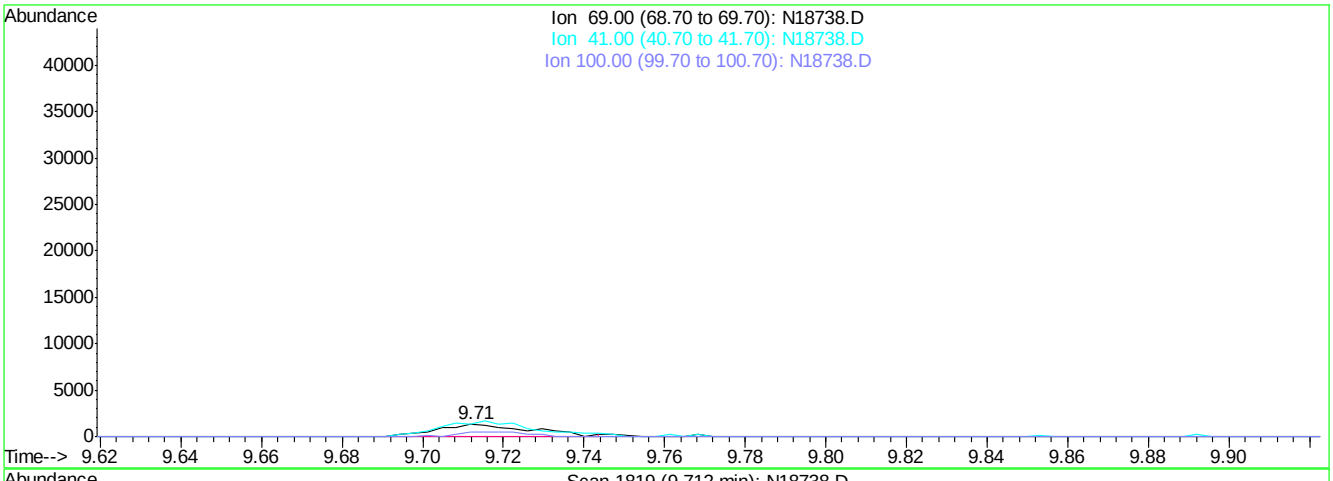
| Ion | Exp% | Act% |
|---|---|---|
| 93.00 | 100 | 100 |
| 95.00 | 81.40 | 79.18 |
| 174.00 | 126.40 | 98.80 |
| 0.00 | 0.00 | 0.00 |

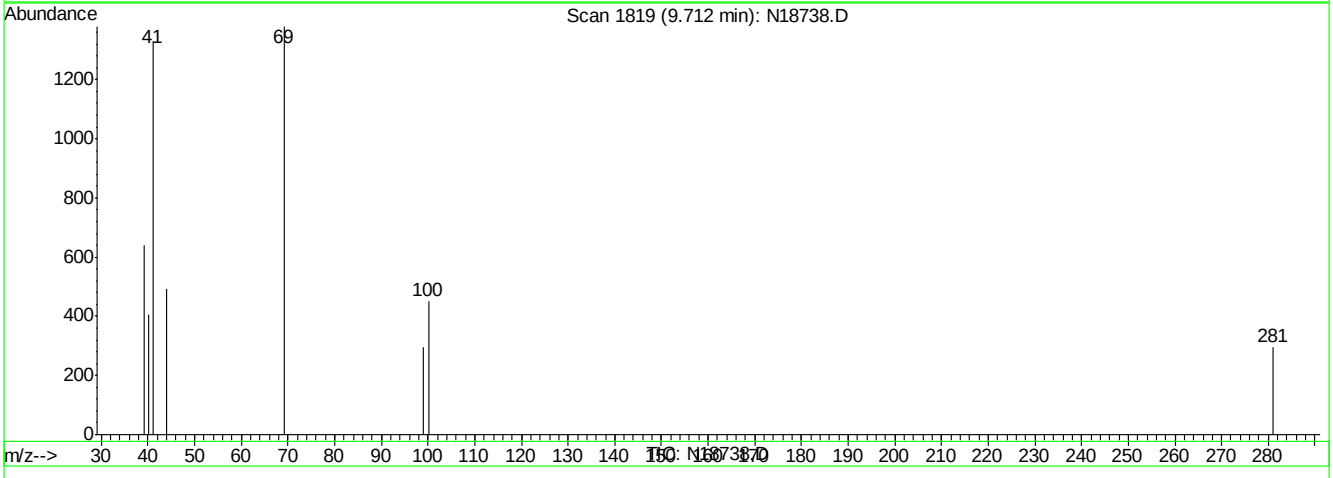
N18738.D N042007W.M Sat Apr 21 13:08:14 2007 RP1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18738.D Vial: 22
Acq On : 20 Apr 2007 6:13 pm Operator: alit
Sample : ic678-2 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:08 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:01:30 2007
Response via : Multiple Level Calibration




(57) methyl methacrylate (M)

9.71min 1.56ug/L m

response 2148

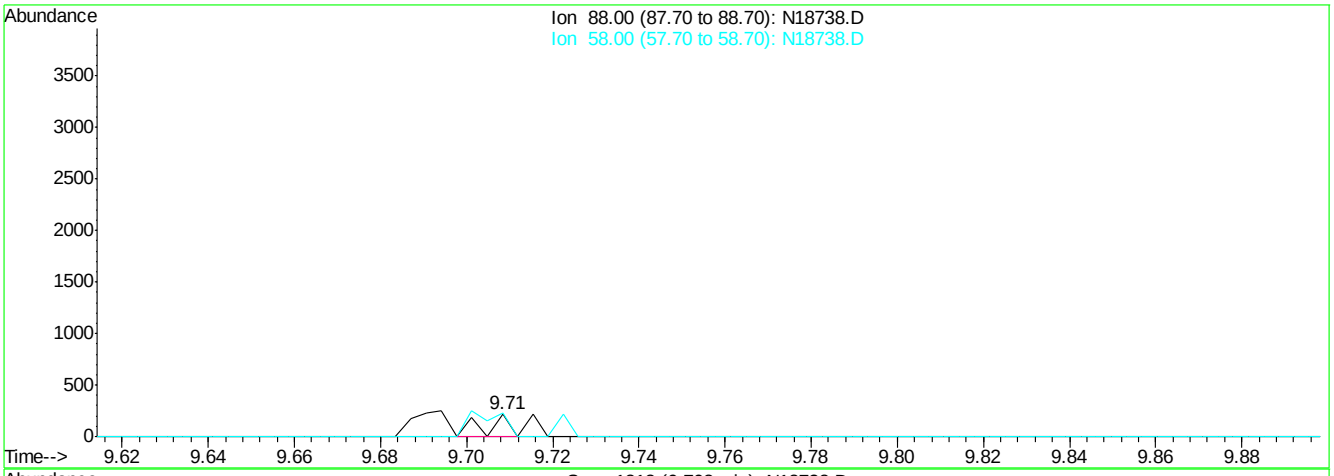
| Ion | Exp% | Act% |
|---|---|---|
| 69.00 | 100 | 100 |
| 41.00 | 128.20 | 96.30# |
| 100.00 | 34.50 | 32.78 |
| 0.00 | 0.00 | 0.00 |

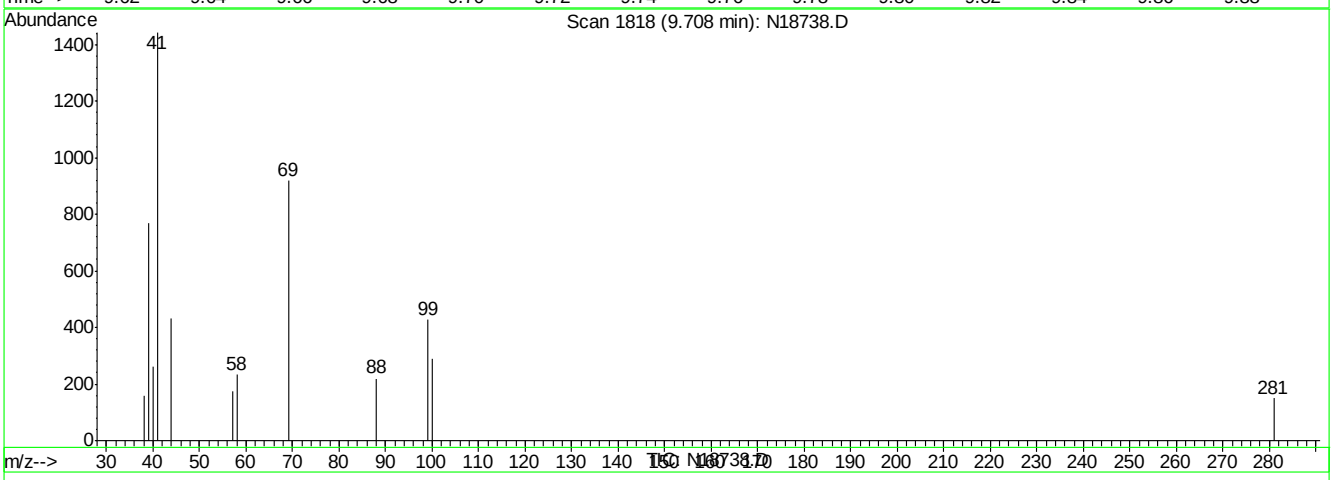
N18738.D N042007W.M Sat Apr 21 13:08:28 2007 RP1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18738.D Vial: 22
Acq On : 20 Apr 2007 6:13 pm Operator: alit
Sample : ic678-2 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:08 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:01:30 2007
Response via : Multiple Level Calibration




(58) 1,4-dioxane (M)

9.71min 2.38ug/L m

response 85

| Ion | Exp% | Act% |
|---|---|---|
| 88.00 | 100 | 100 |
| 58.00 | 61.40 | 106.39# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

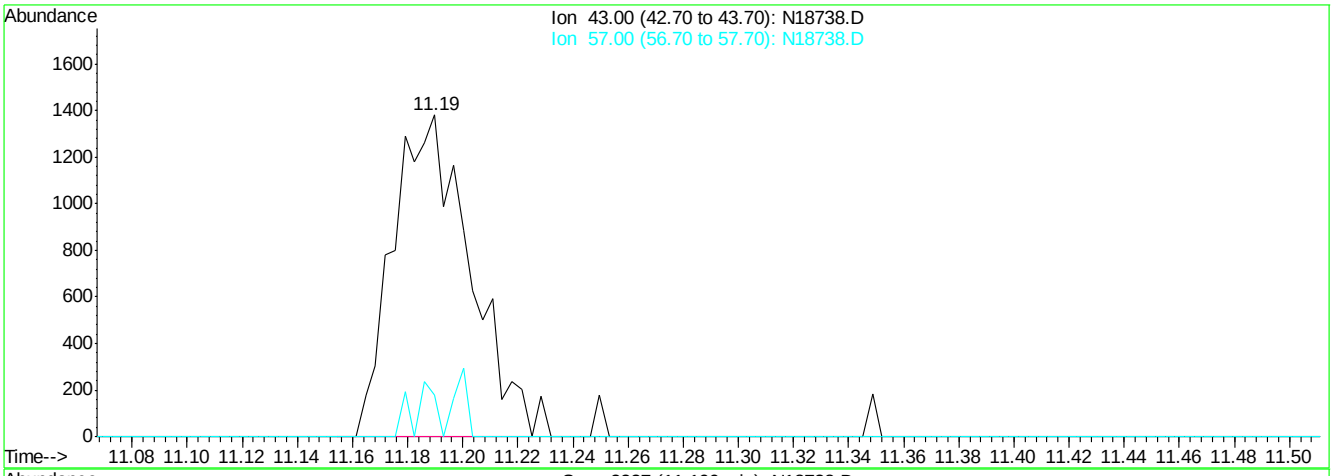
N18738.D N042007W.M Sat Apr 21 13:08:42 2007 RP1

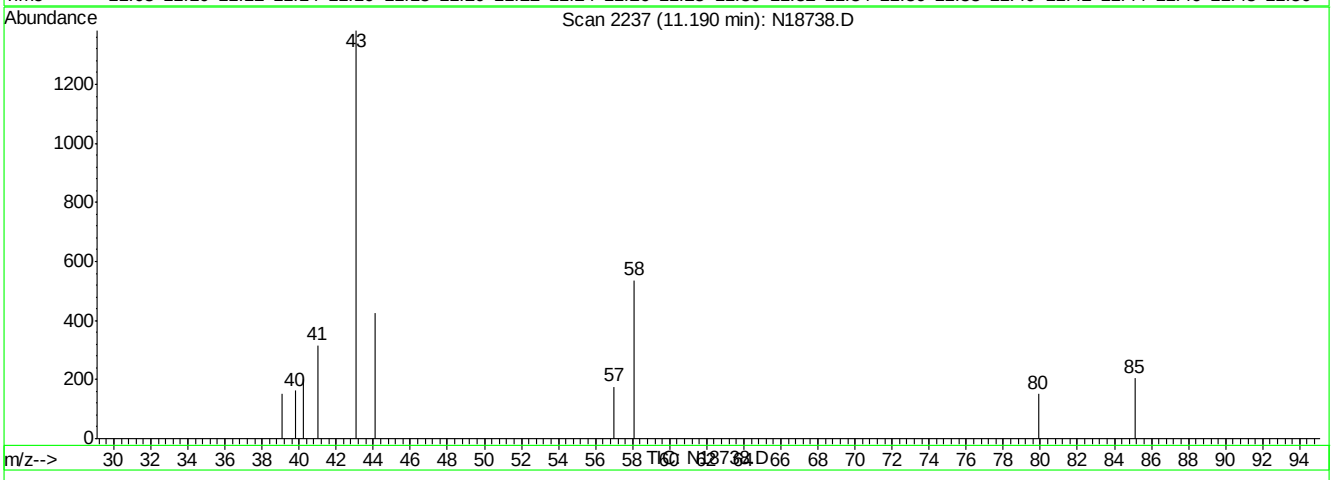
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18738.D Vial: 22
Acq On : 20 Apr 2007 6:13 pm Operator: alit
Sample : ic678-2 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:08 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:01:30 2007
Response via : Multiple Level Calibration






(71) 2-hexanone (M)

11.19min 1.78ug/L m

response 2660

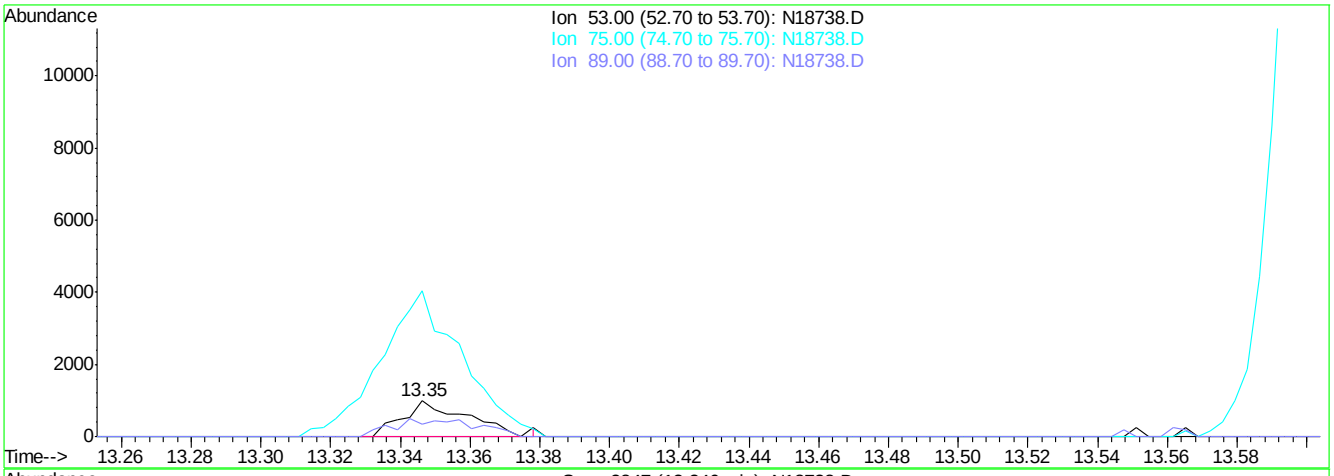
| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 57.00 | 15.80 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

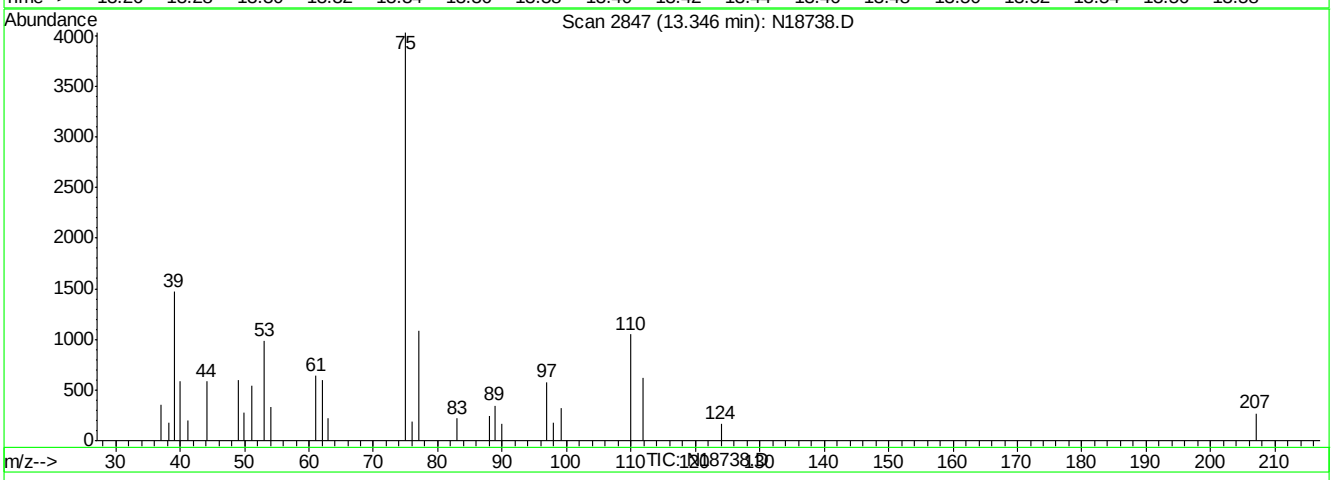
N18738.D N042007W.M Sat Apr 21 13:08:59 2007 RP1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18738.D Vial: 22
Acq On : 20 Apr 2007 6:13 pm Operator: alit
Sample : ic678-2 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:09 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:01:30 2007
Response via : Multiple Level Calibration




(79) trans-1,4-dichloro-2-butene (M)

13.35min 1.70ug/L m

response 1302

| Ion | Exp% | Act% |
|---|---|---|
| 53.00 | 100 | 100 |
| 75.00 | 362.30 | 410.70# |
| 89.00 | 73.80 | 35.17# |
| 0.00 | 0.00 | 0.00 |

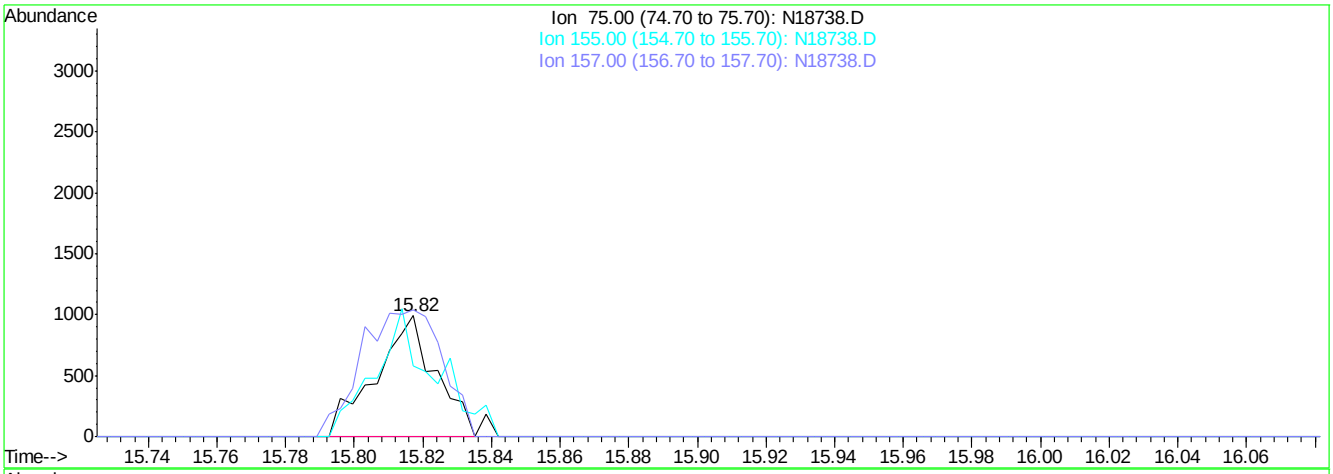
N18738.D N042007W.M Sat Apr 21 13:10:06 2007 RP1

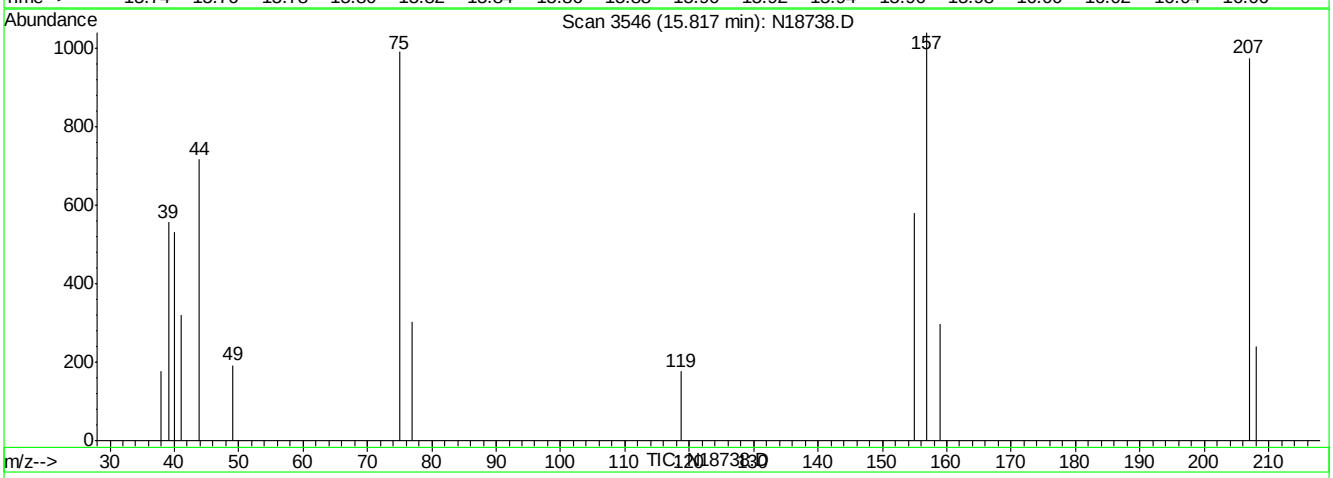
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18738.D Vial: 22
Acq On : 20 Apr 2007 6:13 pm Operator: alit
Sample : ic678-2 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:10 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:01:30 2007
Response via : Multiple Level Calibration






(99) 1,2-dibromo-3-chloropropane (M)

15.82min 2.01ug/L m

response 1197

| Ion | Exp% | Act% |
|---|---|---|
| 75.00 | 100 | 100 |
| 155.00 | 104.10 | 58.63# |
| 157.00 | 143.30 | 104.94# |
| 0.00 | 0.00 | 0.00 |

N18738.D N042007W.M Sat Apr 21 13:10:24 2007 RP1

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 04/23/07 14:08

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18739.D Vial: 23
Acq On : 20 Apr 2007 6:41 pm Operator: alit
Sample : ic678-1 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 12:42:44 2007 Quant Results File: N042007W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 12:40:56 2007
Response via : Initial Calibration
DataAcq Meth : N8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 5.85 | 65 | 85594 | 500.00 | ug/L | 0.00 |
| 3) pentafluorobenzene | 8.28 | 168 | 214943 | 50.00 | ug/L | 0.00 |
| 43) 1,4-difluorobenzene | 9.14 | 114 | 289865 | 50.00 | ug/L | 0.00 |
| 66) chlorobenzene-d5 | 12.38 | 82 | 144291 | 50.00 | ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 14.94 | 152 | 182524 | 50.00 | ug/L | 0.00 |

System Monitoring Compounds

| | | | | | | |
|---|---|---|---|---|---|---|
| 40) dibromofluoromethane (s) | 7.90 | 113 | 100675 | 49.32 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 84 - 129 | | Recovery = 98.64% | | | |
| 60) toluene-d8 (s) | 10.93 | 98 | 362131 | 49.75 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 99.50% | | | |
| 82) bromofluorobenzene (s) | 13.61 | 95 | 144844 | 50.19 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 82 - 118 | | Recovery = 100.38% | | | |

| Target Compounds | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 2) tertiary butyl alcohol | 5.94 | 59 | 2559m | 11.95 | ug/L | |
| 4) Ethanol | 4.78 | 45 | 3038 | 18.48 | ug/L # | 41 |
| 6) chloromethane | 3.94 | 50 | 1848m | 1.13 | ug/L | |
| 7) vinyl chloride | 4.16 | 62 | 1558m | 1.16 | ug/L | |
| 8) bromomethane | 4.62 | 96 | 1252m | 1.37 | ug/L | |
| 9) chloroethane | 4.77 | 64 | 743m | 1.11 | ug/L | |
| 10) ethyl ether | 5.61 | 59 | 1453m | 1.05 | ug/L | |
| 11) acetonitrile | 5.37 | 41 | 557m | 1.30 | ug/L | |
| 12) trichlorofluoromethane | 5.38 | 101 | 2493m | 5.20 | ug/L | |
| 13) freon-113 | 6.13 | 101 | 1490m | 3.39 | ug/L | |
| 14) acrolein | 5.37 | 56 | 1832m | 4.93 | ug/L | |
| 15) 1,1-dichloroethene | 5.94 | 96 | 1748m | 2.28 | ug/L | |
| 16) acetone | 5.50 | 43 | 1259m | 1.70 | ug/L | |
| 17) Methyl Acetate | 6.13 | 43 | 2960m | 1.08 | ug/L | |
| 18) methylene chloride | 6.09 | 84 | 2938m | 1.47 | ug/L | |
| 19) methyl tert butyl ether | 6.87 | 73 | 4595 | 1.01 | ug/L | 85 |
| 20) acrylonitrile | 5.99 | 53 | 4248 | 5.39 | ug/L | 93 |
| 21) allyl chloride | 6.18 | 41 | 2652m | 1.43 | ug/L | |
| 22) trans-1,2-dichloroethene | 6.76 | 96 | 1977m | 1.13 | ug/L | |
| 23) iodomethane | 5.99 | 142 | 2882m | 1.28 | ug/L | |
| 24) carbon disulfide | 6.34 | 76 | 5867 | 1.18 | ug/L | 72 |
| 26) vinyl acetate | 7.14 | 43 | 2461m | 5.26 | ug/L | |
| 27) chloroprene | 7.38 | 53 | 1943m | 3.35 | ug/L | |
| 28) di-isopropyl ether | 7.44 | 45 | 6242 | 1.10 | ug/L | 91 |
| 29) methacrylonitrile | 7.41 | 41 | 2664m | 2.13 | ug/L | |
| 31) Hexane | 7.41 | 41 | 2664m | 1.39 | ug/L | |
| 32) 1,1-dichloroethane | 7.02 | 63 | 3210 | 1.10 | ug/L | 96 |
| 33) tert-butyl ethyl ether | 7.82 | 59 | 5058 | 1.00 | ug/L | 91 |
| 34) isobutyl alcohol | 7.44 | 43 | 5014 | 5.65 | ug/L | 84 |
| 35) 2,2-dichloropropane | 7.86 | 77 | 2155m | 1.06 | ug/L | |
| 36) cis-1,2-dichloroethene | 7.58 | 96 | 2527m | 1.19 | ug/L | |
| 37) ethyl acetate | 7.44 | 43 | 4915m | 8.73 | ug/L | |
| 38) bromochloromethane | 7.75 | 128 | 933m | 0.93 | ug/L | |
| 39) chloroform | 7.78 | 83 | 3536 | 1.14 | ug/L | 77 |
| 41) Tetrahydrofuran | 8.11 | 42 | 498m | 0.81 | ug/L | |

(#) = qualifier out of range (m) = manual integration
N18739.D N042007W.M Sat Apr 21 13:53:25 2007 RP1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18739.D Vial: 23
Acq On : 20 Apr 2007 6:41 pm Operator: alit
Sample : ic678-1 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 12:42:44 2007 Quant Results File: N042007W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 12:40:56 2007
Response via : Initial Calibration
DataAcq Meth : N8260

| Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|
| 42) 1,1,1-trichloroethane | 8.53 | 97 | 2704m | 1.14 ug/L | |
| 44) Cyclohexane | 8.80 | 56 | 2658m | 0.59 ug/L | |
| 45) carbon tetrachloride | 8.88 | 117 | 2062m | 0.95 ug/L | |
| 46) 1,1-dichloropropene | 8.71 | 75 | 2419m | 1.98 ug/L | |
| 47) benzene | 8.93 | 78 | 8380 | 1.22 ug/L | 89 |
| 48) 1,2-dichloroethane | 8.44 | 62 | 2855m | 1.27 ug/L | |
| 49) tert-amyl methyl ether | 9.06 | 73 | 4765 | 0.98 ug/L | 84 |
| 50) heptane | 9.43 | 43 | 2004m | 1.23 ug/L | |
| 51) trichloroethene | 9.55 | 95 | 2452m | 1.30 ug/L | |
| 52) 1,2-dichloropropane | 9.51 | 63 | 2010m | 1.16 ug/L | |
| 53) dibromomethane | 9.48 | 93 | 1408m | 1.14 ug/L | |
| 54) bromodichloromethane | 9.60 | 83 | 2463m | 1.00 ug/L | |
| 55) Methylcyclohexane | 10.06 | 83 | 2642m | 1.20 ug/L | |
| 56) 2-chloroethyl vinyl ether | 9.51 | 63 | 2011m | 1.15 ug/L | |
| 57) methyl methacrylate | 9.72 | 69 | 1156m | 0.89 ug/L | |
| 59) cis-1,3-dichloropropene | 10.22 | 75 | 2621m | 1.00 ug/L | |
| 61) 4-methyl-2-pentanone | 10.33 | 43 | 1794m | 0.90 ug/L | |
| 62) toluene | 11.00 | 92 | 5468 | 1.20 ug/L | 90 |
| 63) trans-1,3-dichloropropene | 10.65 | 75 | 2338m | 0.99 ug/L | |
| 64) 1,1,2-trichloroethane | 10.81 | 83 | 1675m | 1.06 ug/L | |
| 65) ethyl methacrylate | 11.04 | 69 | 2390m | 0.98 ug/L | |
| 67) tetrachloroethene | 11.73 | 166 | 2924m | 1.23 ug/L | |
| 68) 1,3-dichloropropane | 11.06 | 76 | 3111 | 1.10 ug/L | 96 |
| 69) dibromochloromethane | 11.33 | 129 | 2261m | 1.02 ug/L | |
| 70) 1,2-dibromoethane | 11.58 | 107 | 2322m | 1.14 ug/L | |
| 71) 2-hexanone | 11.19 | 43 | 1167m | 0.82 ug/L | |
| 72) chlorobenzene | 12.42 | 112 | 6511 | 1.16 ug/L | 91 |
| 73) 1,1,1,2-tetrachloroethane | 12.34 | 131 | 1763m | 0.94 ug/L | |
| 74) ethylbenzene | 12.59 | 91 | 9272 | 1.09 ug/L | 97 |
| 75) m,p-xylene | 12.78 | 106 | 7290 | 2.12 ug/L | 100 |
| 76) o-xylene | 13.19 | 106 | 3526 | 1.03 ug/L # | 63 |
| 77) styrene | 13.12 | 104 | 4858 | 0.89 ug/L | 98 |
| 78) bromoform | 12.93 | 173 | 1527m | 5.86 ug/L | |
| 79) trans-1,4-dichloro-2-buten | 13.35 | 53 | 707m | 0.97 ug/L | |
| 81) isopropylbenzene | 13.56 | 105 | 7603 | 1.04 ug/L | 92 |
| 83) bromobenzene | 13.83 | 156 | 3712 | 1.23 ug/L | 87 |
| 84) 1,1,2,2-tetrachloroethane | 13.19 | 83 | 3433 | 1.28 ug/L | 90 |
| 85) 1,2,3-trichloropropane | 13.34 | 75 | 3503 | 1.15 ug/L | 90 |
| 86) n-propylbenzene | 14.00 | 91 | 11778 | 1.11 ug/L | 96 |
| 87) 2-chlorotoluene | 14.11 | 91 | 7927 | 1.21 ug/L | 91 |
| 88) 4-chlorotoluene | 14.19 | 91 | 8348 | 1.21 ug/L | 91 |
| 89) 1,3,5-trimethylbenzene | 14.29 | 105 | 8051 | 1.09 ug/L | 93 |
| 90) tert-butylbenzene | 14.59 | 91 | 4407 | 1.08 ug/L | 92 |
| 91) 1,2,4-trimethylbenzene | 14.69 | 105 | 8105 | 1.02 ug/L | 92 |
| 92) sec-butylbenzene | 14.81 | 105 | 11824 | 1.15 ug/L | 96 |
| 93) 1,3-dichlorobenzene | 14.90 | 146 | 7886 | 1.31 ug/L | 87 |
| 94) p-isopropyltoluene | 14.99 | 119 | 11358 | 1.24 ug/L | 92 |
| 96) 1,4-dichlorobenzene | 14.97 | 146 | 8761 | Below Cal | 95 |
| 97) 1,2-dichlorobenzene | 15.34 | 146 | 6839 | 1.18 ug/L | 79 |

(#) = qualifier out of range (m) = manual integration
N18739.D N042007W.M Sat Apr 21 13:53:25 2007 RP1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18739.D Vial: 23
Acq On : 20 Apr 2007 6:41 pm Operator: alit
Sample : ic678-1 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 12:42:44 2007 Quant Results File: N042007W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 12:40:56 2007
Response via : Initial Calibration
DataAcq Meth : N8260

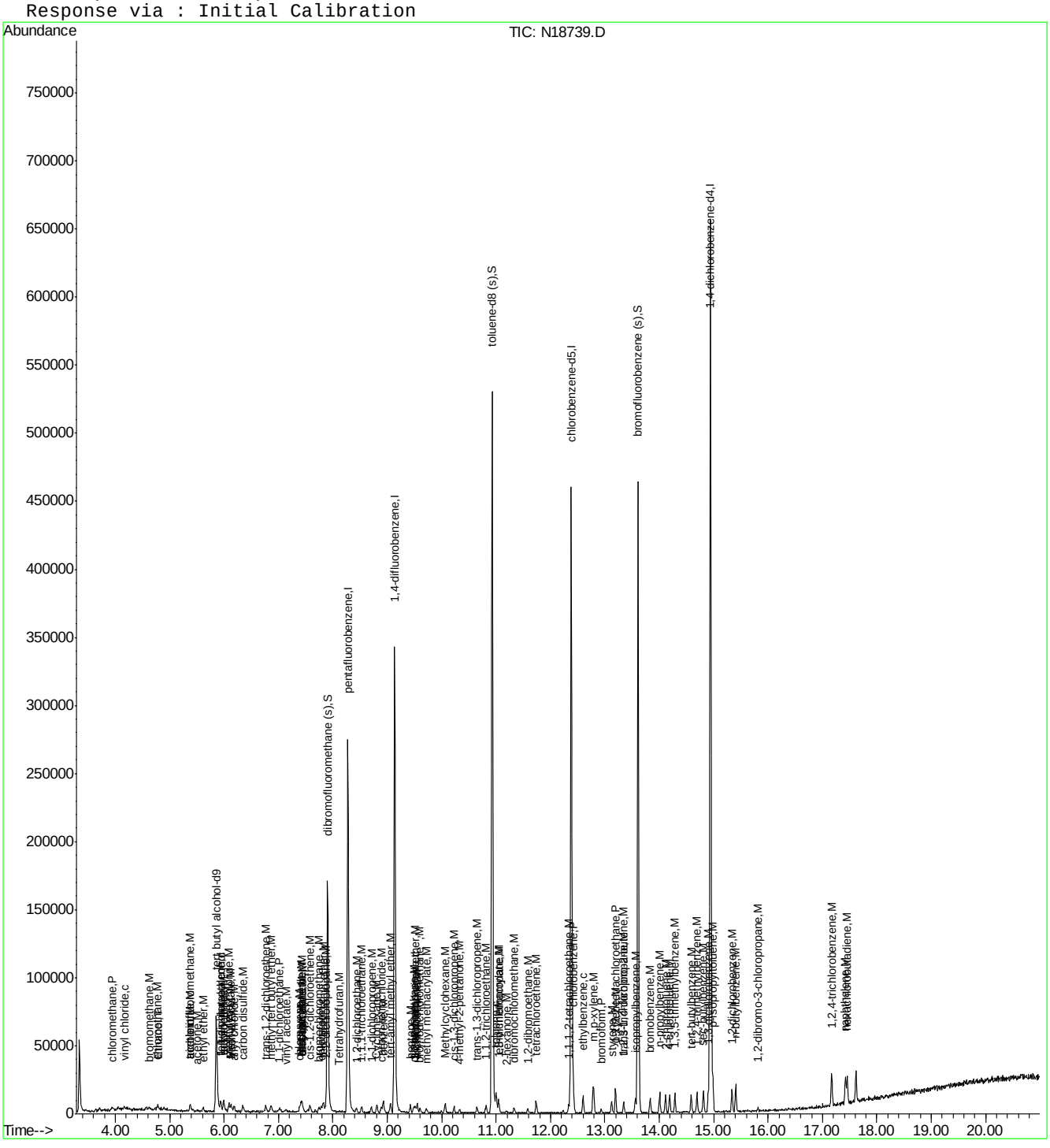
| | Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|---|
| 98) | n-butylbenzene | 15.41 | 91 | 11337 | 1.24 ug/L | 88 |
| 99) | 1,2-dibromo-3-chloropropan | 15.81 | 75 | 724m | 1.30 ug/L | |
| 100) | 1,2,4-trichlorobenzene | 17.17 | 180 | 8664 | 1.81 ug/L | 96 |
| 101) | hexachlorobutadiene | 17.46 | 225 | 4385 | 1.84 ug/L | 86 |
| 102) | naphthalene | 17.42 | 128 | 16266 | 1.46 ug/L | 100 |
| 103) | 1,2,3-trichlorobenzene | 17.62 | 180 | 7710 | Below Cal | 96 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed
N18739.D N042007W.M Sat Apr 21 13:53:26 2007 RP1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18739.D Vial: 23
Acq On : 20 Apr 2007 6:41 pm Operator: alit
Sample : ic678-1 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:29 2007 Quant Results File: N042007W.RES

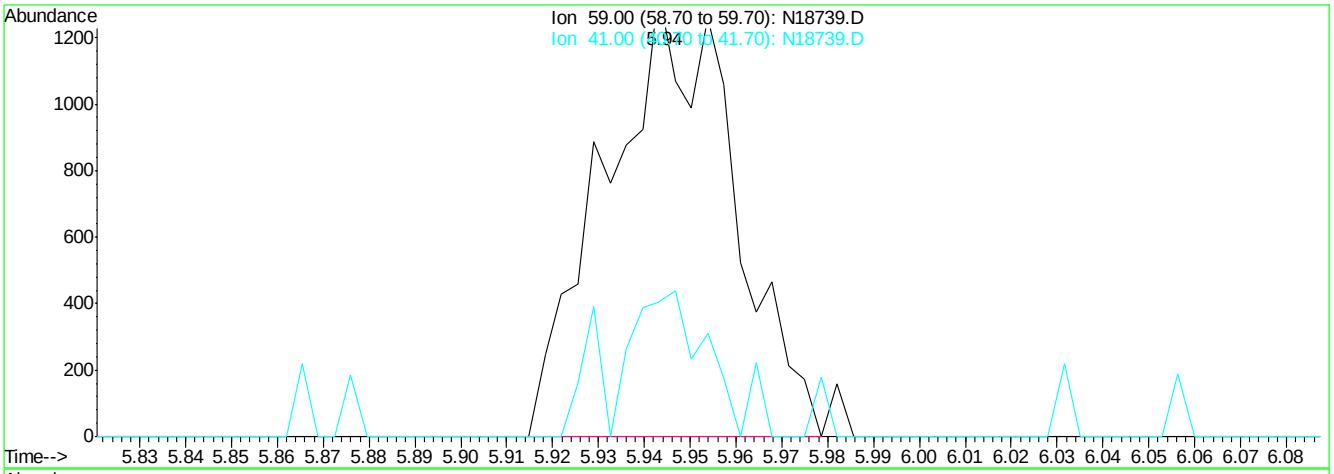
Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:51:39 2007
Response via : Initial Calibration

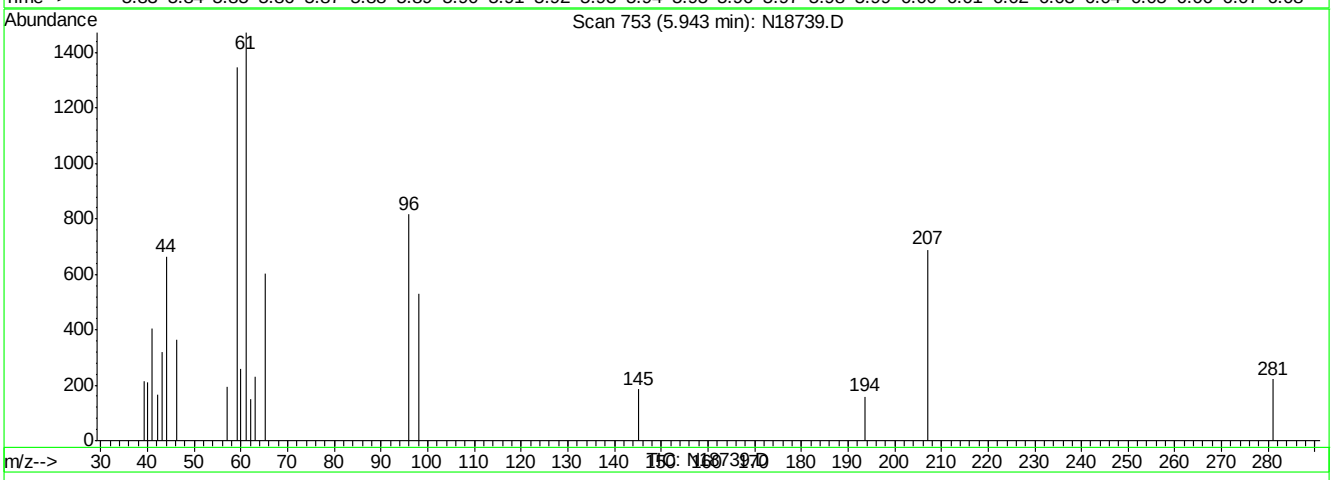


Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18739.D  Vial: 23
Acq On : 20 Apr 2007 6:41 pm  Operator: alit
Sample : ic678-1  Inst : MAMSN
Misc : ms13382,msn678,,,,5,1  Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:10 2007  Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:10:39 2007
Response via : Multiple Level Calibration




(2) tertiary butyl alcohol

5.94min 11.95ug/L m

response 2559

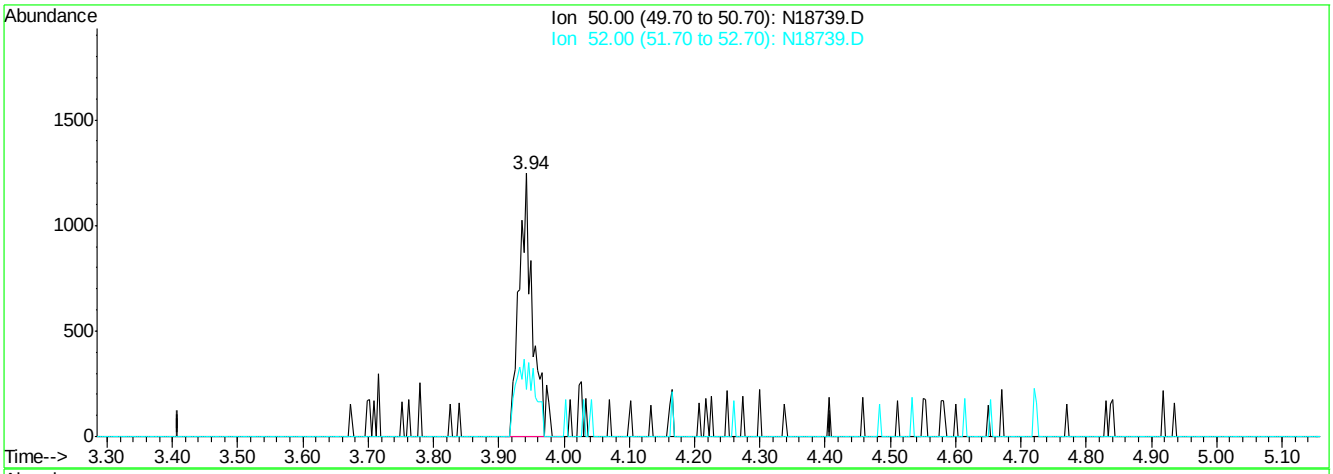
| Ion | Exp% | Act% |
|---|---|---|
| 59.00 | 100 | 100 |
| 41.00 | 24.50 | 0.00# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

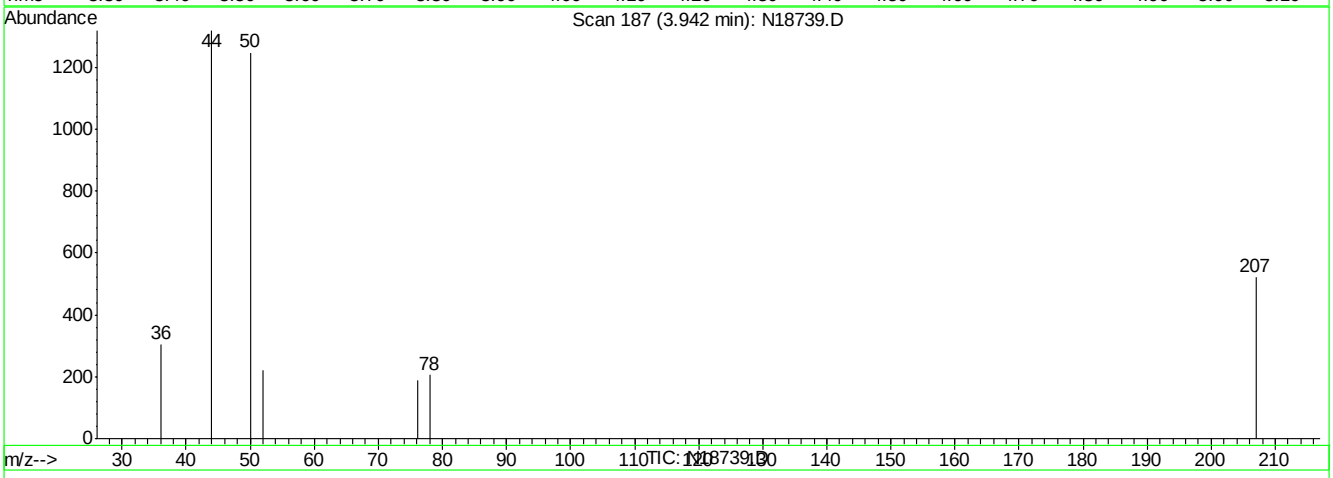
N18739.D N042007W.M Sat Apr 21 13:10:55 2007 RP1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18739.D Vial: 23
Acq On : 20 Apr 2007 6:41 pm Operator: alit
Sample : ic678-1 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:11 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:10:39 2007
Response via : Multiple Level Calibration




(6) chloromethane (P)

3.94min 1.13ug/L m

response 1848

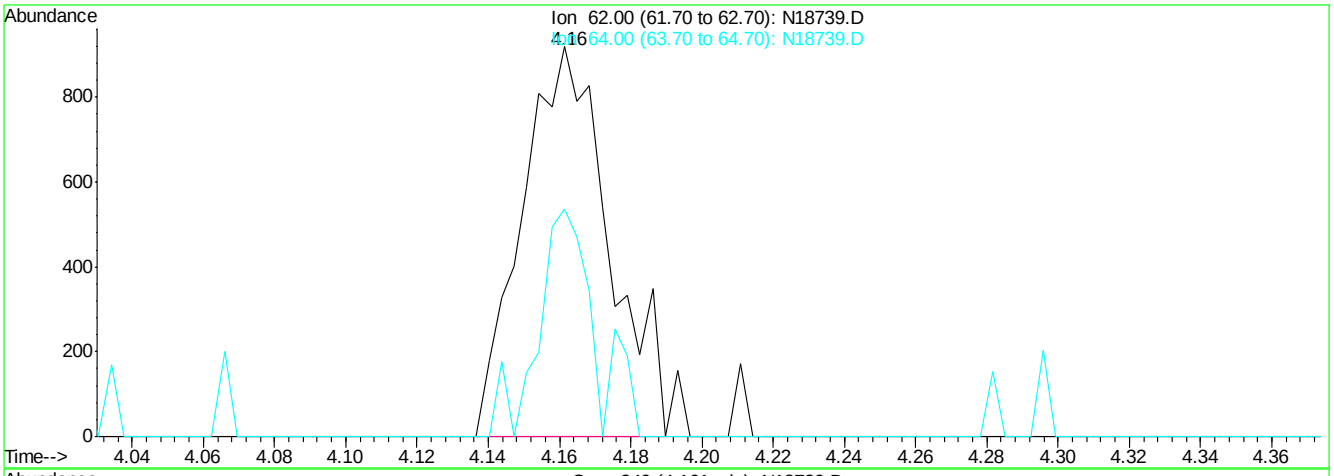
| Ion | Exp% | Act% |
|---|---|---|
| 50.00 | 100 | 100 |
| 52.00 | 31.90 | 17.80 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

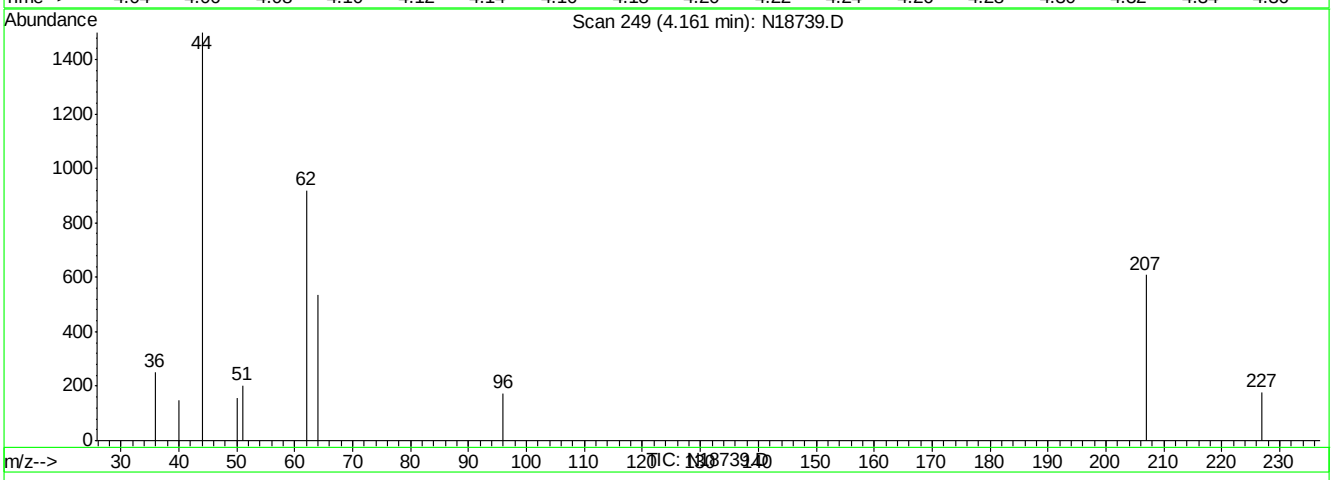
N18739.D N042007W.M Sat Apr 21 13:11:14 2007 RP1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18739.D Vial: 23
Acq On : 20 Apr 2007 6:41 pm Operator: alit
Sample : ic678-1 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:11 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:10:39 2007
Response via : Multiple Level Calibration




(7) vinyl chloride (c)

4.16min 1.16ug/L m

response 1558

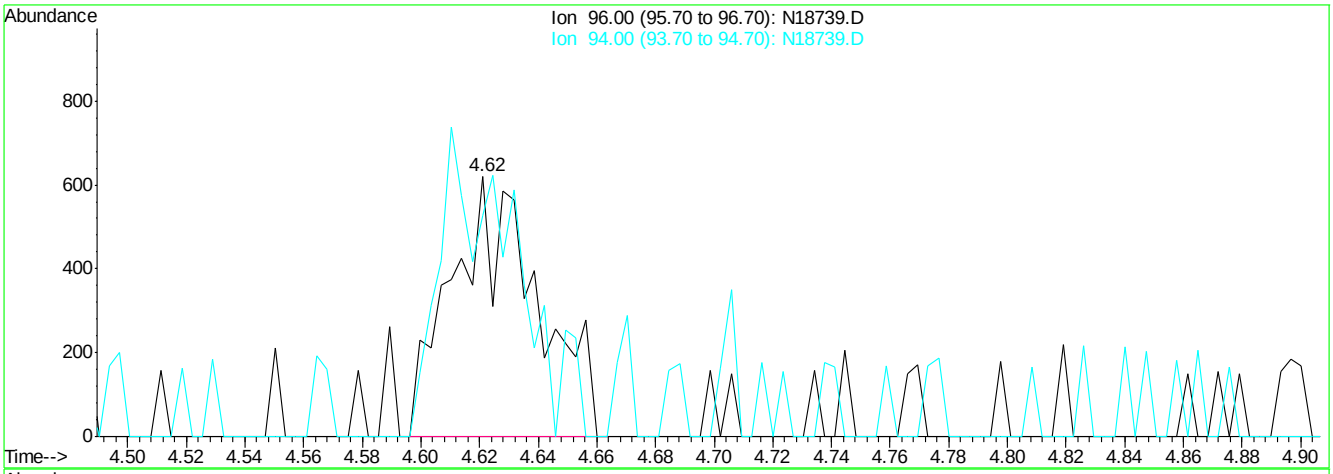
| Ion | Exp% | Act% |
|---|---|---|
| 62.00 | 100 | 100 |
| 64.00 | 30.10 | 58.26 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

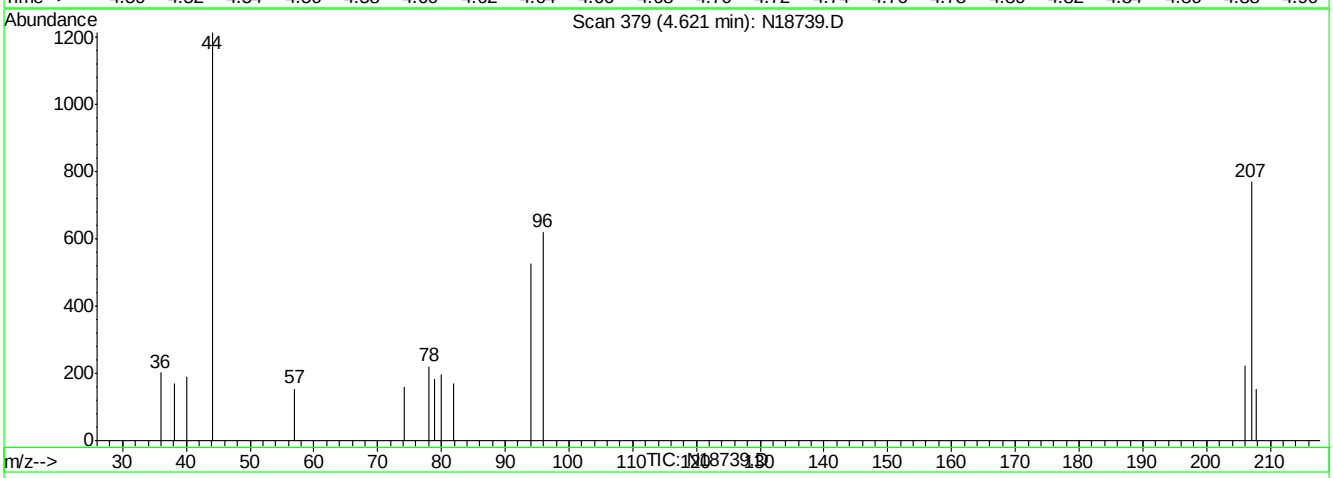
N18739.D N042007W.M Sat Apr 21 13:11:21 2007 RP1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18739.D  Vial: 23
Acq On : 20 Apr 2007 6:41 pm  Operator: alit
Sample : ic678-1  Inst : MAMSN
Misc : ms13382,msn678,,,,5,1  Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:11 2007  Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:10:39 2007
Response via : Multiple Level Calibration




(8) bromomethane (M)

4.62min 1.37ug/L m

response 1252

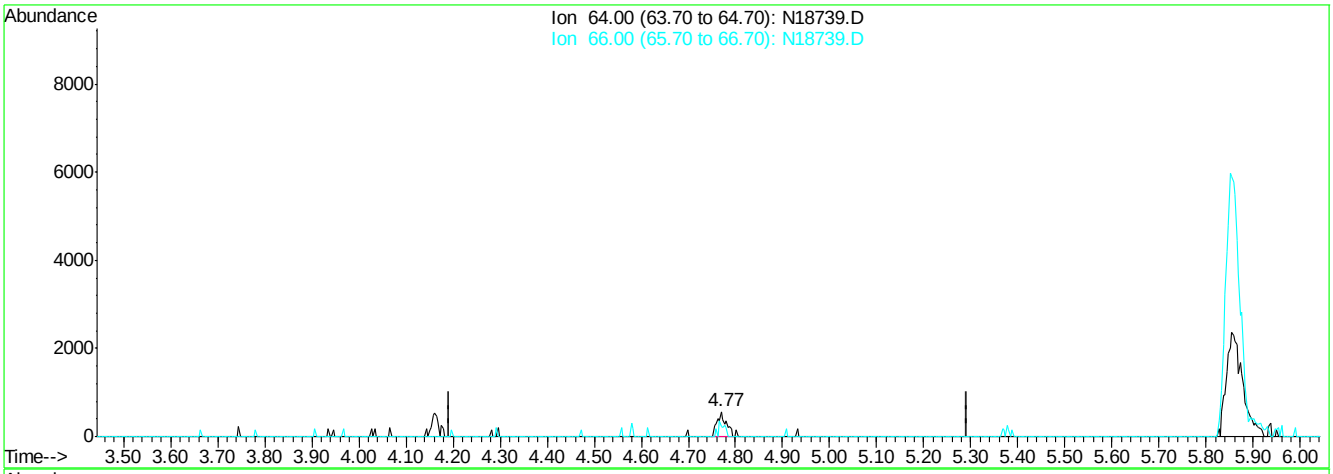
| Ion | Exp% | Act% |
|---|---|---|
| 96.00 | 100 | 100 |
| 94.00 | 103.50 | 84.70 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

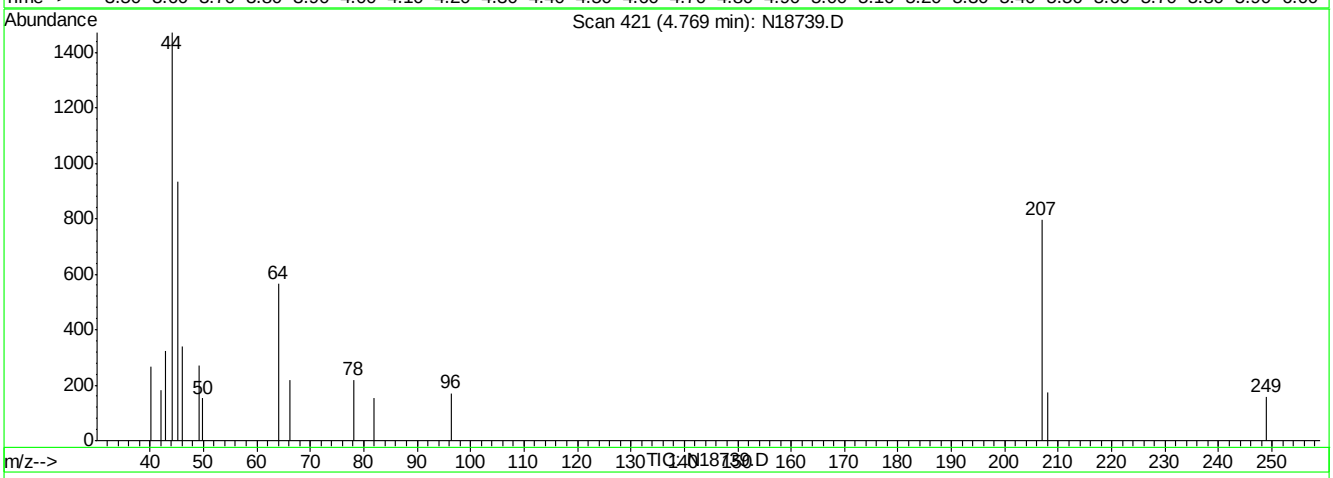
N18739.D N042007W.M Sat Apr 21 13:11:28 2007 RP1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18739.D Vial: 23
Acq On : 20 Apr 2007 6:41 pm Operator: alit
Sample : ic678-1 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:11 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:10:39 2007
Response via : Multiple Level Calibration




(9) chloroethane (M)

4.77min 1.11ug/L m

response 743

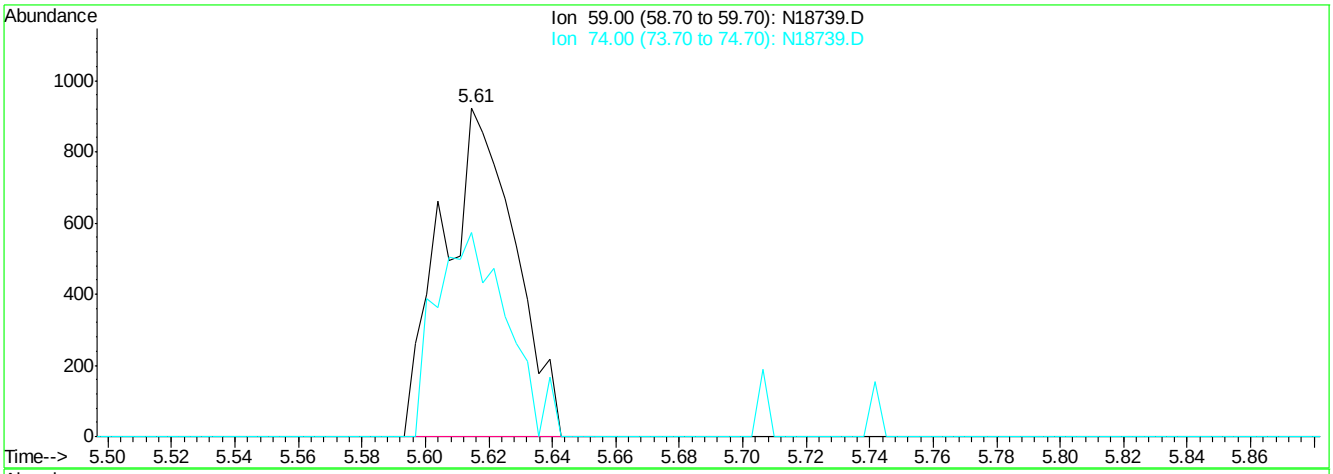
| Ion | Exp% | Act% |
|---|---|---|
| 64.00 | 100 | 100 |
| 66.00 | 33.80 | 38.76 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

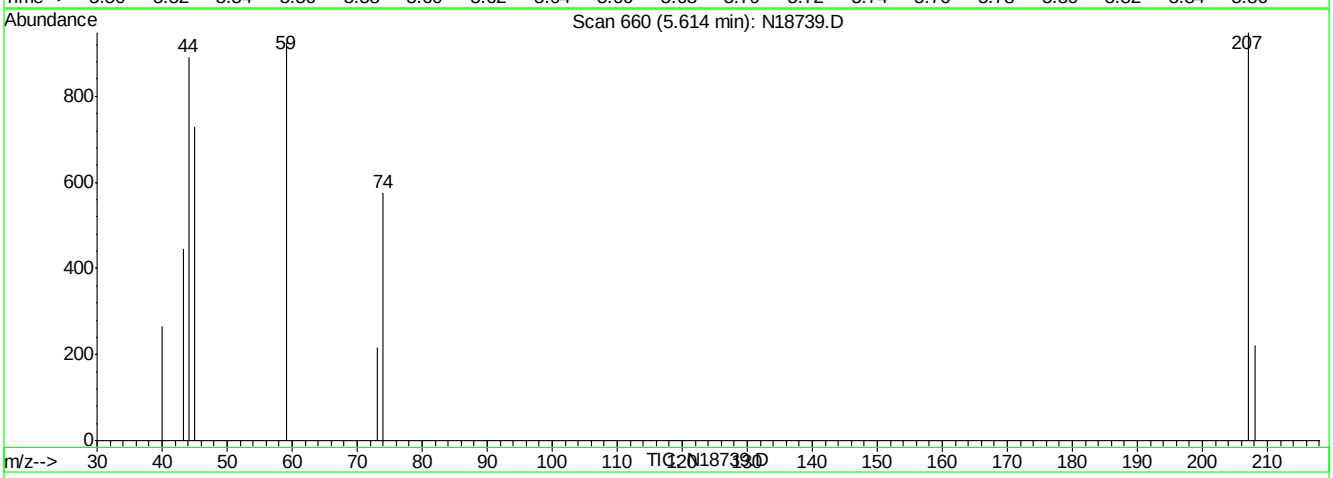
N18739.D N042007W.M Sat Apr 21 13:18:21 2007 RP1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18739.D Vial: 23
Acq On : 20 Apr 2007 6:41 pm Operator: alit
Sample : ic678-1 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:18 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:10:39 2007
Response via : Multiple Level Calibration




(10) ethyl ether (M)

5.61min 1.05ug/L m

response 1453

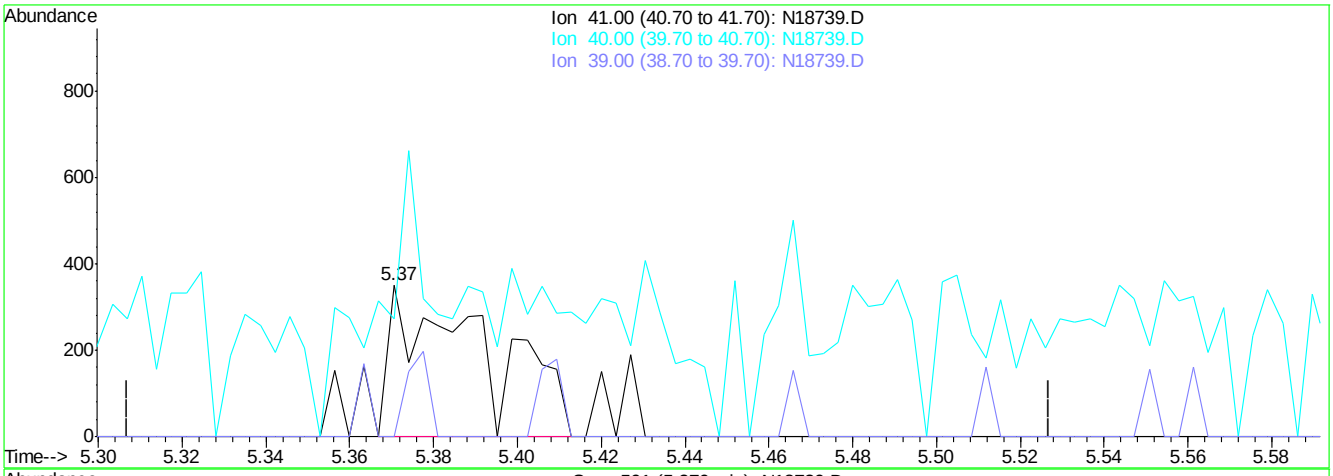
| Ion | Exp% | Act% |
|---|---|---|
| 59.00 | 100 | 100 |
| 74.00 | 69.90 | 62.23 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

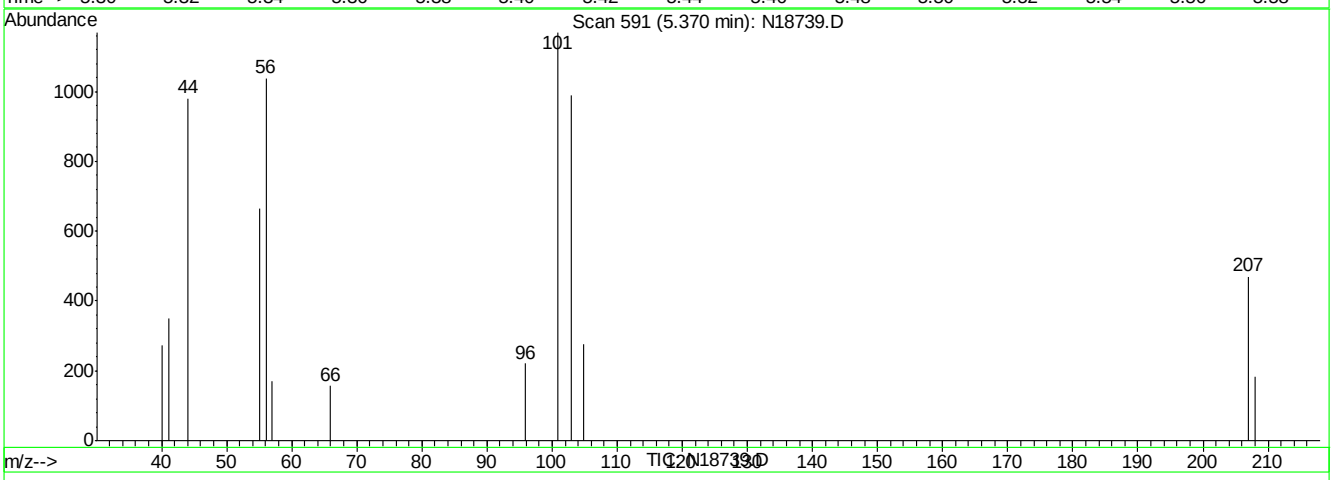
N18739.D N042007W.M Sat Apr 21 13:18:28 2007 RP1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18739.D Vial: 23
Acq On : 20 Apr 2007 6:41 pm Operator: alit
Sample : ic678-1 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:18 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:10:39 2007
Response via : Multiple Level Calibration




(11) acetonitrile (M)

5.37min 1.30ug/L m

response 557

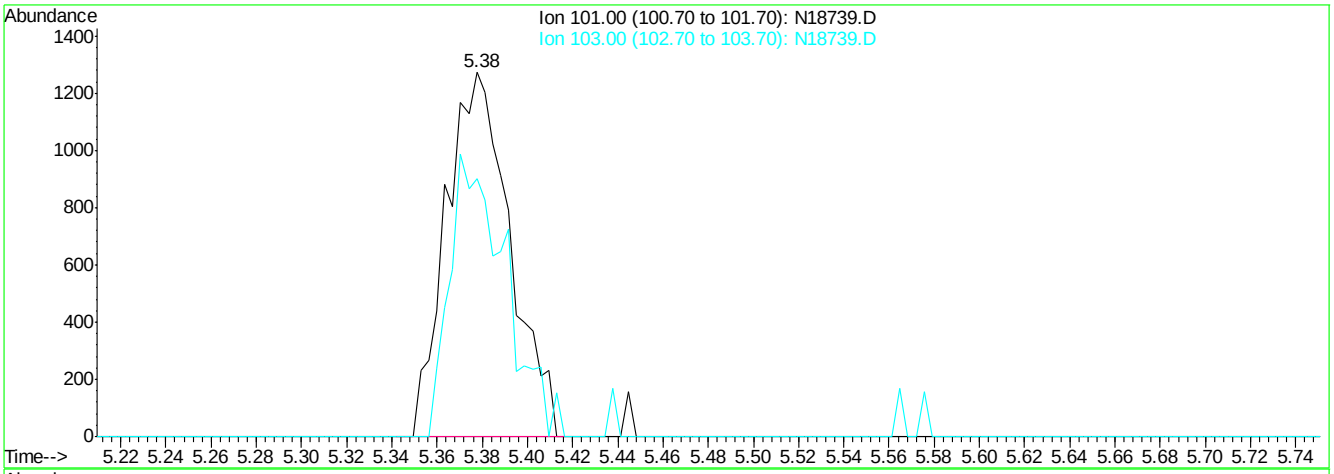
| Ion | Exp% | Act% |
|---|---|---|
| 41.00 | 100 | 100 |
| 40.00 | 46.30 | 77.78# |
| 39.00 | 37.60 | 0.00# |
| 0.00 | 0.00 | 0.00 |

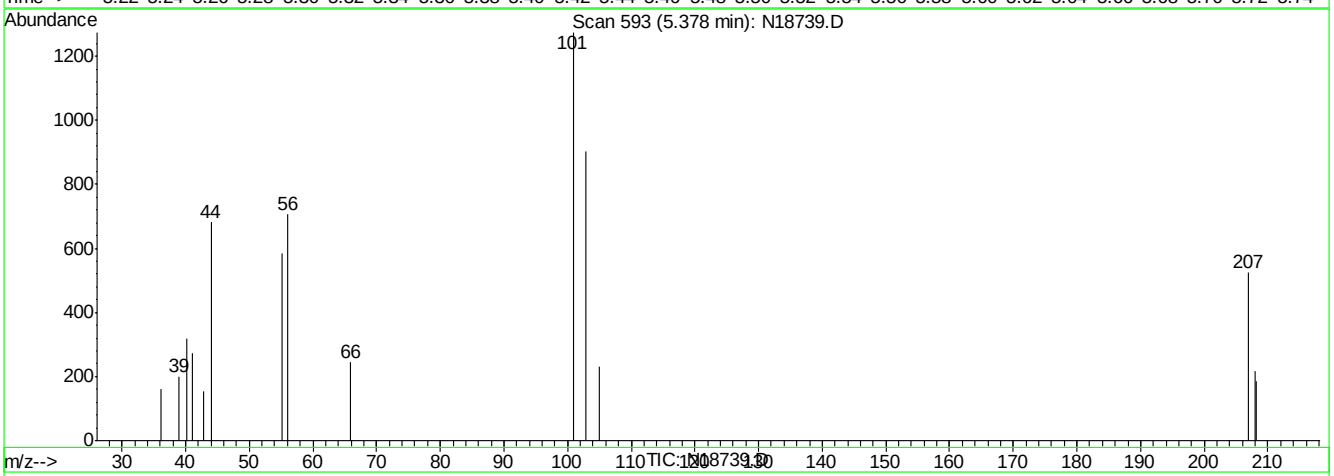
N18739.D N042007W.M Sat Apr 21 13:18:35 2007 RP1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18739.D Vial: 23
Acq On : 20 Apr 2007 6:41 pm Operator: alit
Sample : ic678-1 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:18 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:10:39 2007
Response via : Multiple Level Calibration




(12) trichlorofluoromethane (M)

5.38min 5.20ug/L m

response 2493

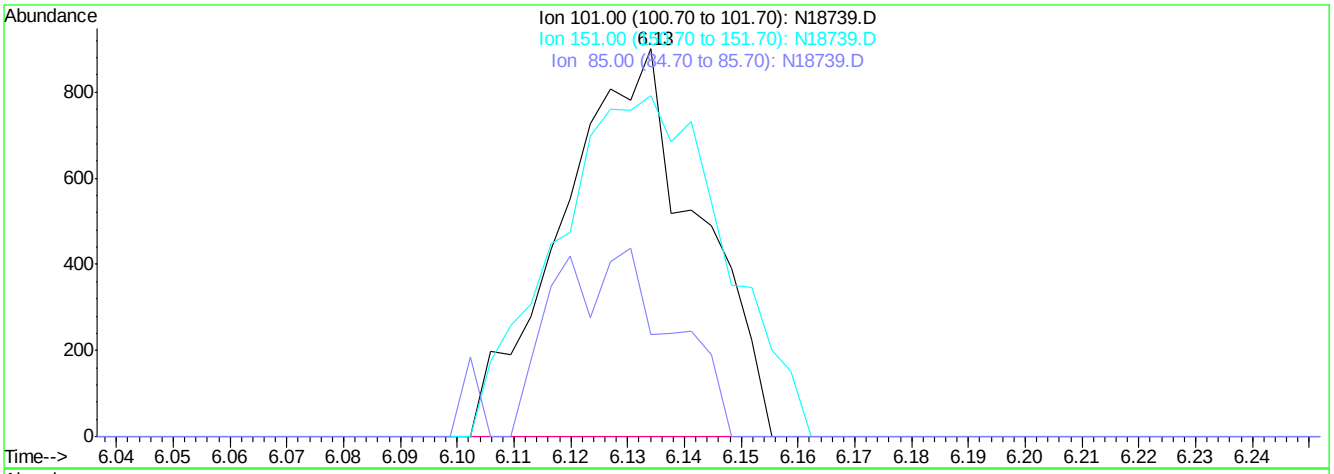
| Ion | Exp% | Act% |
|---|---|---|
| 101.00 | 100 | 100 |
| 103.00 | 63.30 | 70.80 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

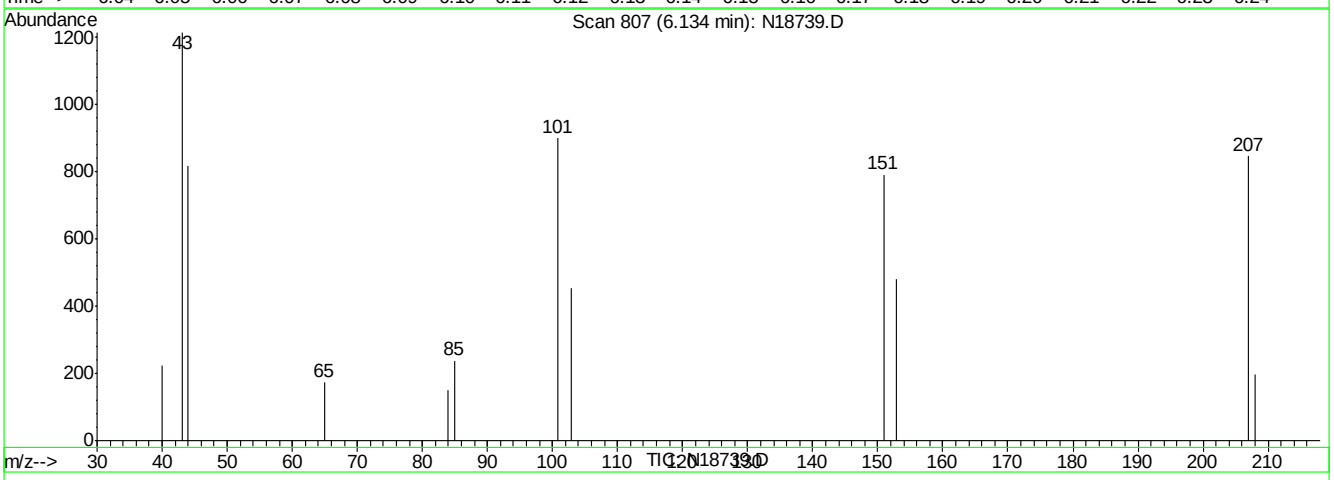
N18739.D N042007W.M Sat Apr 21 13:18:41 2007 RP1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18739.D Vial: 23
Acq On : 20 Apr 2007 6:41 pm Operator: alit
Sample : ic678-1 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:18 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:10:39 2007
Response via : Multiple Level Calibration




(13) freon-113 (M)

6.13min 3.39ug/L m

response 1490

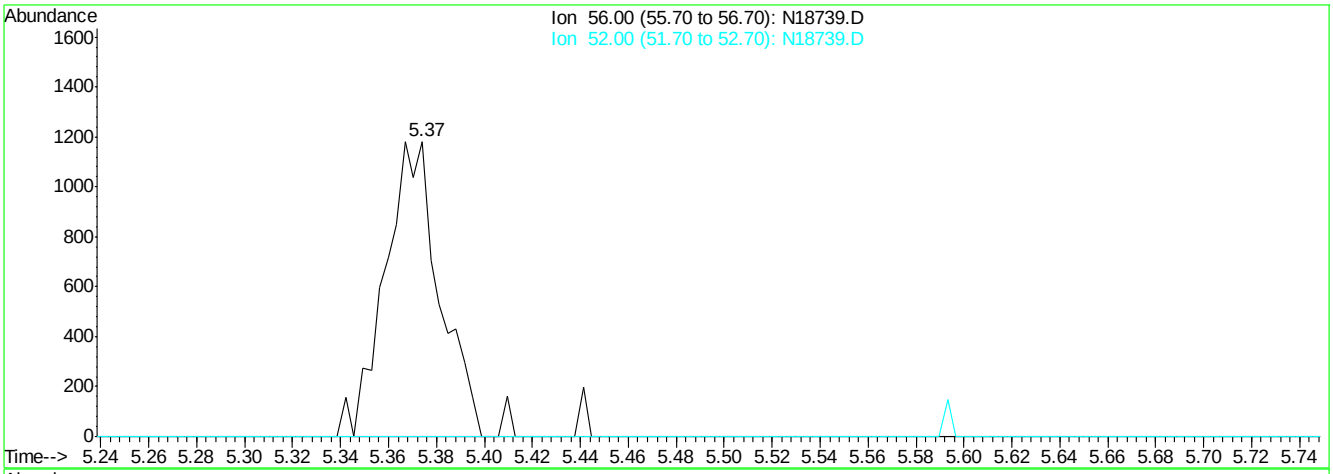
| Ion | Exp% | Act% |
|---|---|---|
| 101.00 | 100 | 100 |
| 151.00 | 88.00 | 88.00 |
| 85.00 | 44.30 | 26.33 |
| 0.00 | 0.00 | 0.00 |

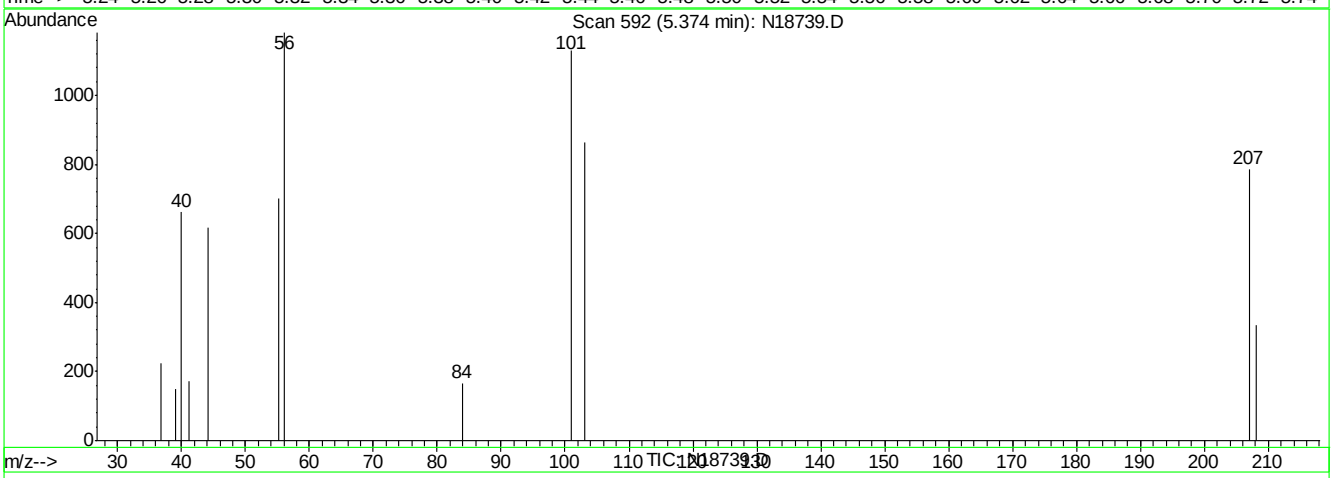
N18739.D N042007W.M Sat Apr 21 13:18:48 2007 RP1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18739.D Vial: 23
Acq On : 20 Apr 2007 6:41 pm Operator: alit
Sample : ic678-1 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:18 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:10:39 2007
Response via : Multiple Level Calibration




(14) acrolein (M)

5.37min 4.93ug/L m

response 1832

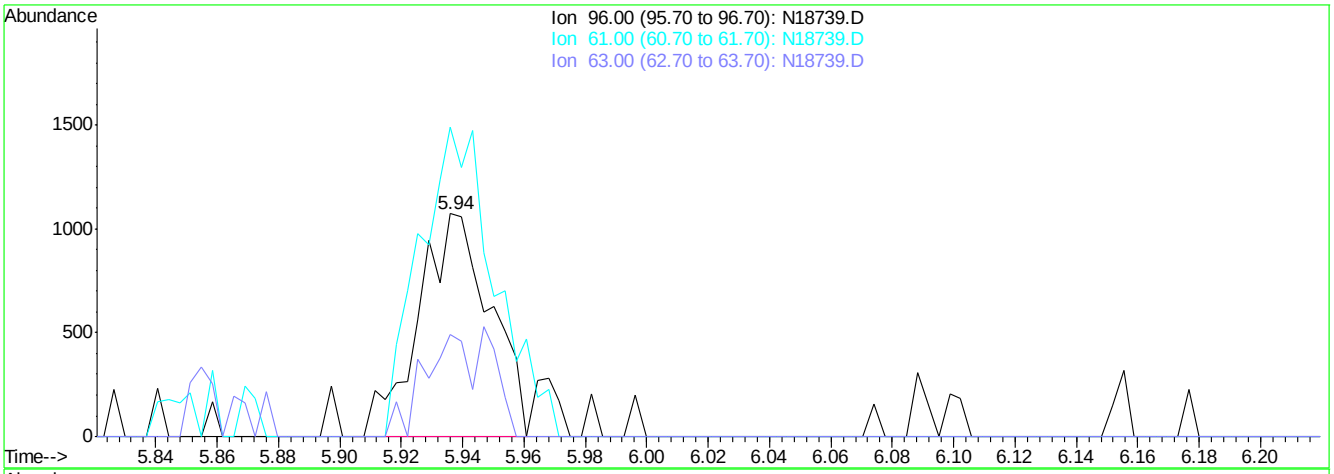
| Ion | Exp% | Act% |
|---|---|---|
| 56.00 | 100 | 100 |
| 52.00 | 1.80 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

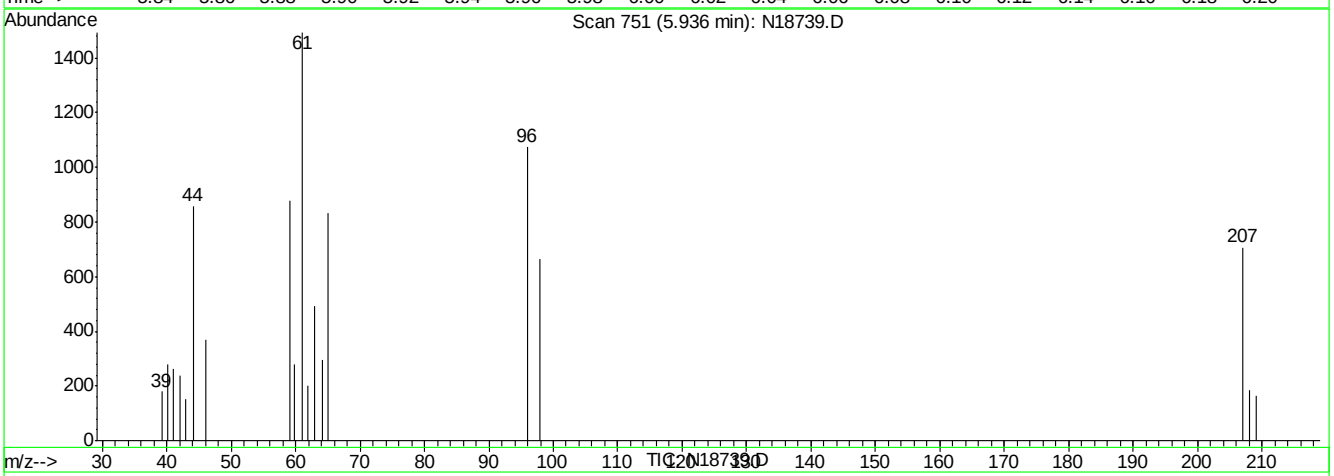
N18739.D N042007W.M Sat Apr 21 13:18:56 2007 RP1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18739.D Vial: 23
Acq On : 20 Apr 2007 6:41 pm Operator: alit
Sample : ic678-1 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:19 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:10:39 2007
Response via : Multiple Level Calibration




(15) 1,1-dichloroethene (c)

5.94min 2.28ug/L m

response 1748

| Ion | Exp% | Act% |
|---|---|---|
| 96.00 | 100 | 100 |
| 61.00 | 154.60 | 139.01 |
| 63.00 | 47.90 | 45.72 |
| 0.00 | 0.00 | 0.00 |

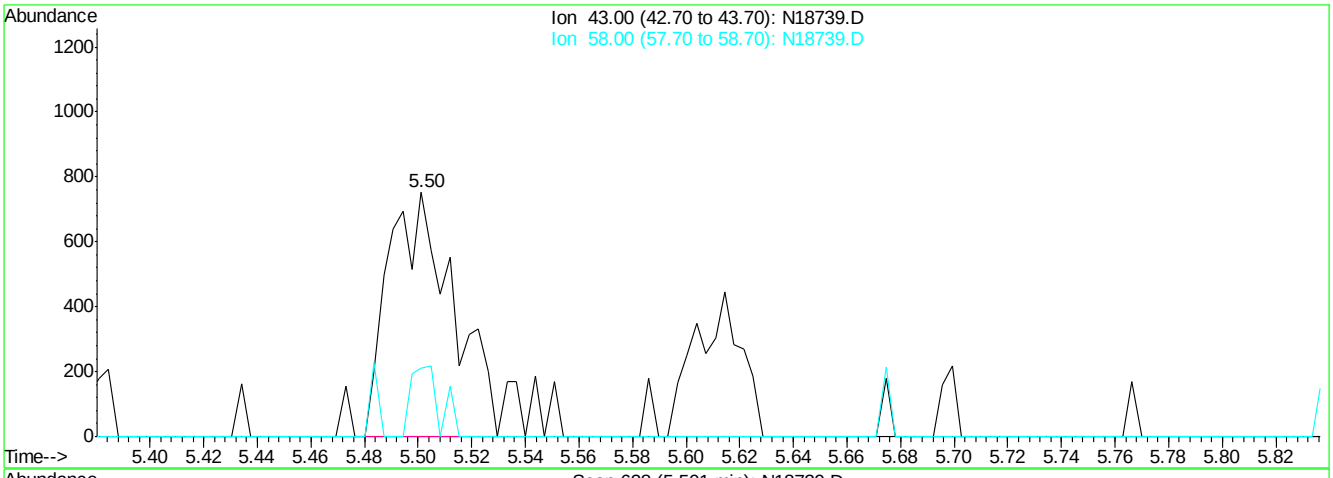
N18739.D N042007W.M Sat Apr 21 13:19:04 2007 RP1

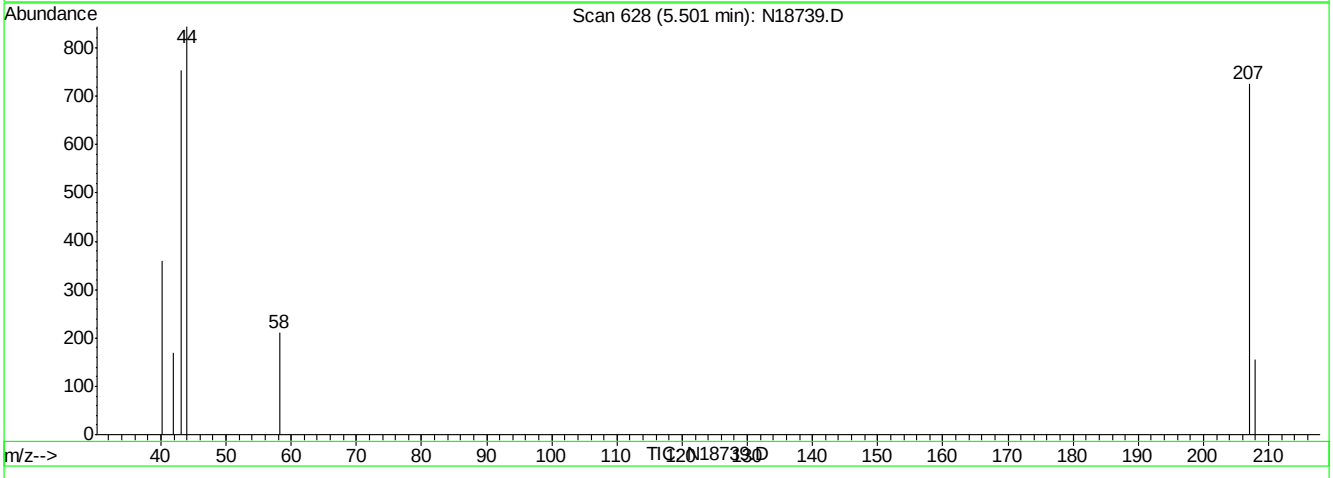
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18739.D Vial: 23
Acq On : 20 Apr 2007 6:41 pm Operator: alit
Sample : ic678-1 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:19 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:10:39 2007
Response via : Multiple Level Calibration






(16) acetone (M)

5.50min 1.70ug/L m

response 1259

| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 58.00 | 29.00 | 28.02 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

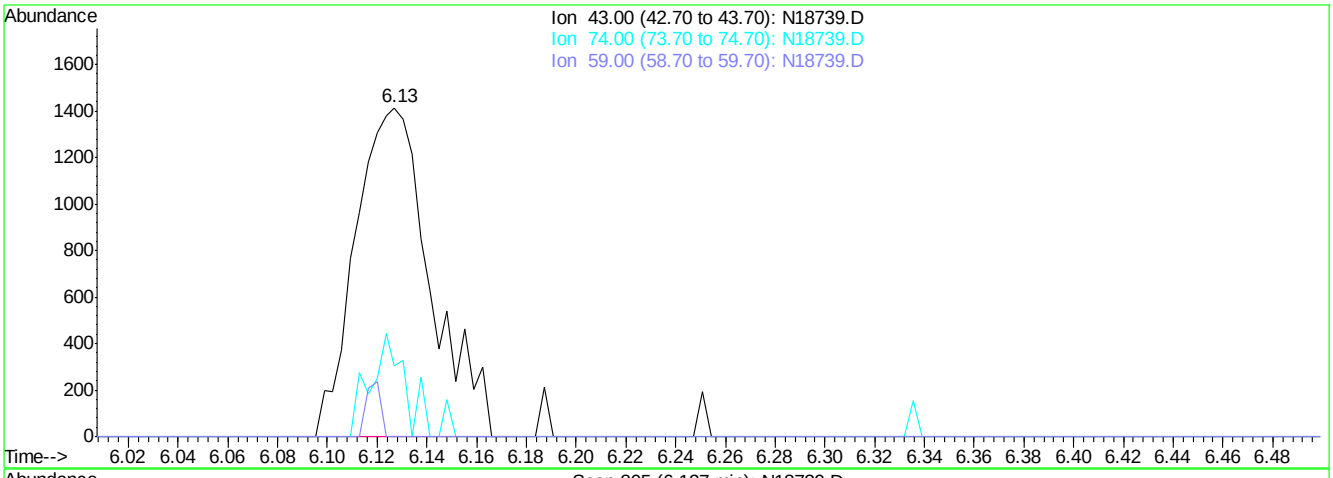
N18739.D N042007W.M Sat Apr 21 13:19:12 2007 RP1

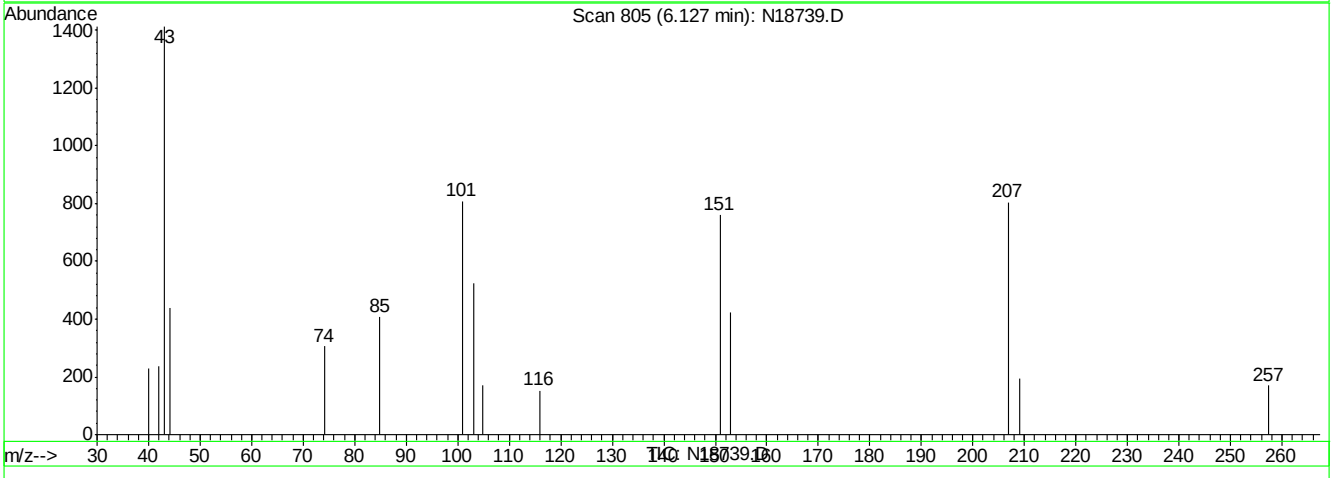
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18739.D Vial: 23
Acq On : 20 Apr 2007 6:41 pm Operator: alit
Sample : ic678-1 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:19 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:10:39 2007
Response via : Multiple Level Calibration






(17) Methyl Acetate (M)

6.13min 1.08ug/L m

response 2960

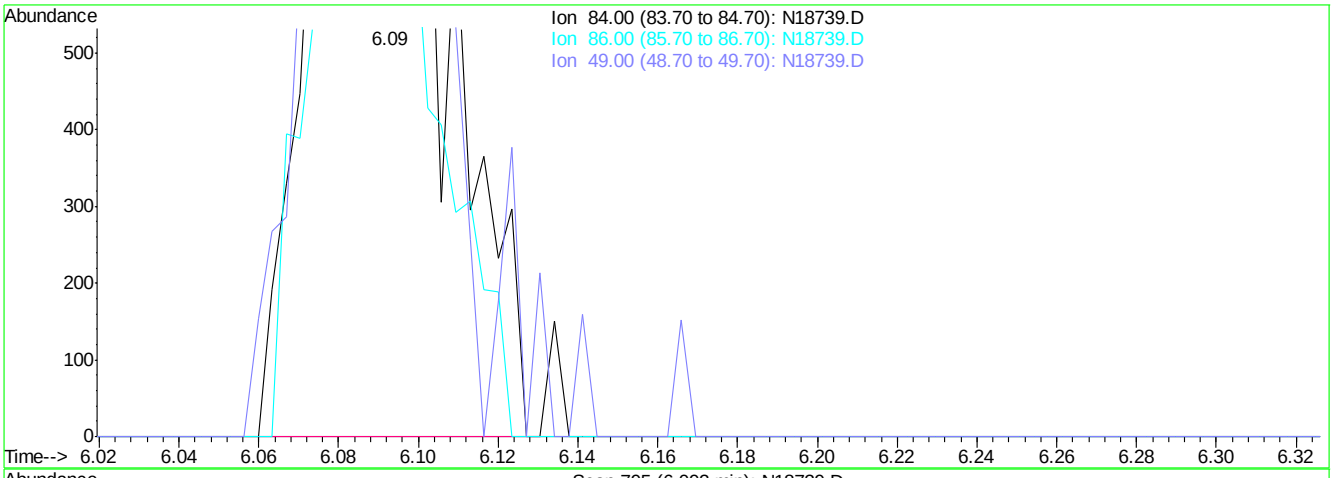
| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 74.00 | 19.80 | 21.59 |
| 59.00 | 7.40 | 0.00# |
| 0.00 | 0.00 | 0.00 |

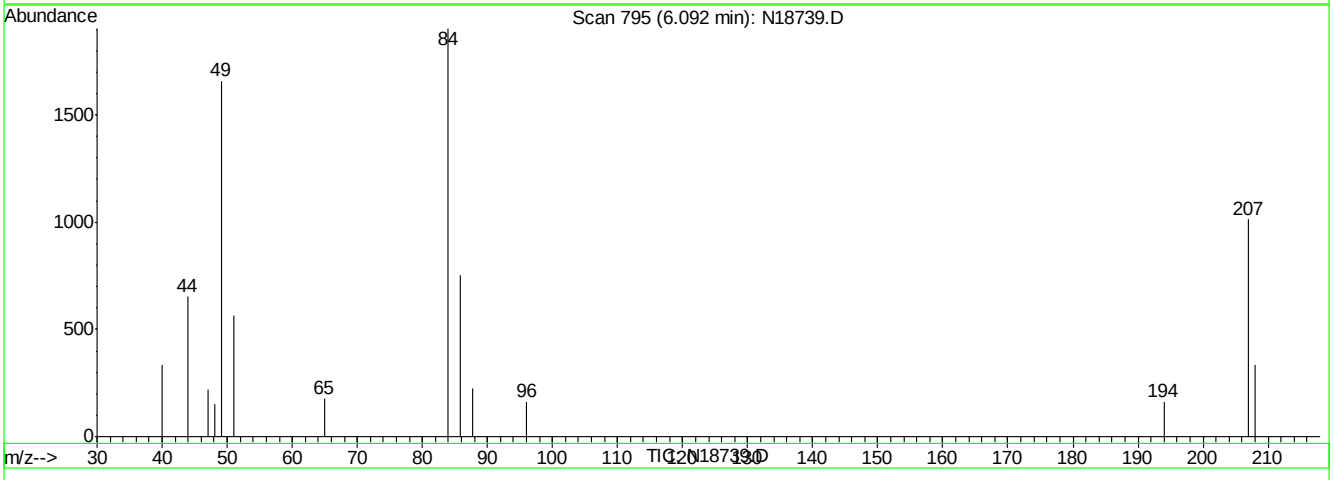
N18739.D N042007W.M Sat Apr 21 13:19:18 2007 RP1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18739.D Vial: 23
Acq On : 20 Apr 2007 6:41 pm Operator: alit
Sample : ic678-1 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:19 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:10:39 2007
Response via : Multiple Level Calibration




(18) methylene chloride (M)

6.09min 1.47ug/L m

response 2938

| Ion | Exp% | Act% |
|---|---|---|
| 84.00 | 100 | 100 |
| 86.00 | 65.30 | 39.62 |
| 49.00 | 124.70 | 87.13# |
| 0.00 | 0.00 | 0.00 |

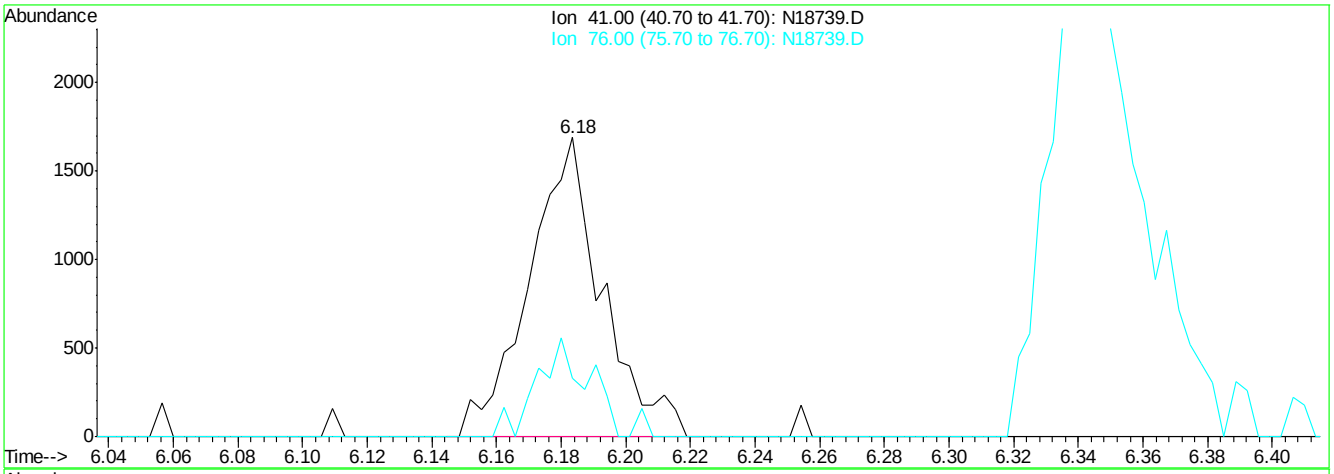
N18739.D N042007W.M Sat Apr 21 13:19:27 2007 RP1

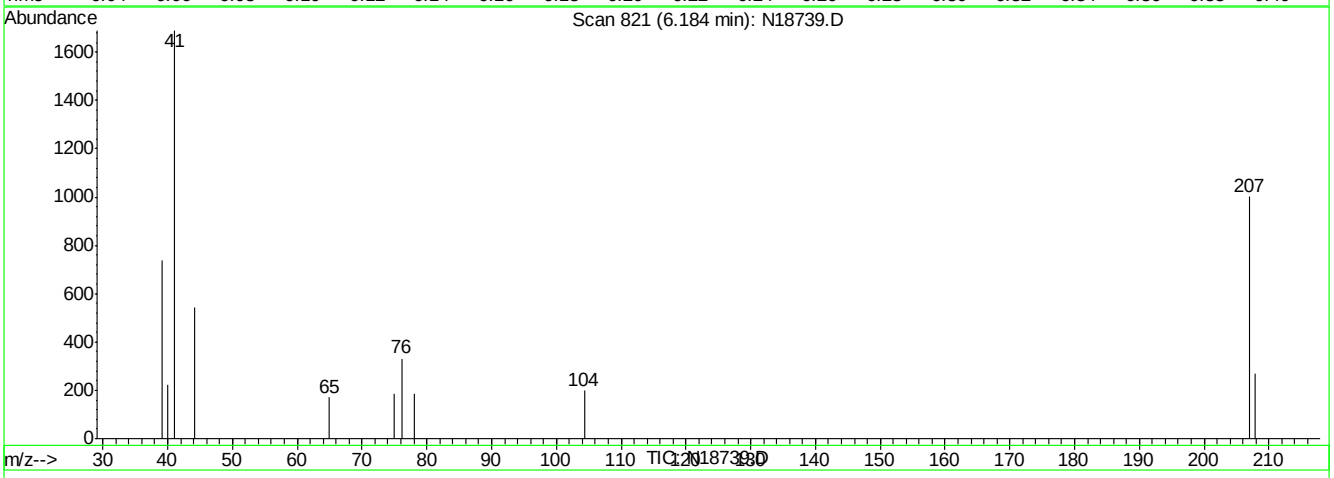
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18739.D Vial: 23
Acq On : 20 Apr 2007 6:41 pm Operator: alit
Sample : ic678-1 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:19 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:10:39 2007
Response via : Multiple Level Calibration






(21) allyl chloride (M)

6.18min 1.43ug/L m

response 2652

| Ion | Exp% | Act% |
|---|---|---|
| 41.00 | 100 | 100 |
| 76.00 | 31.50 | 19.54 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

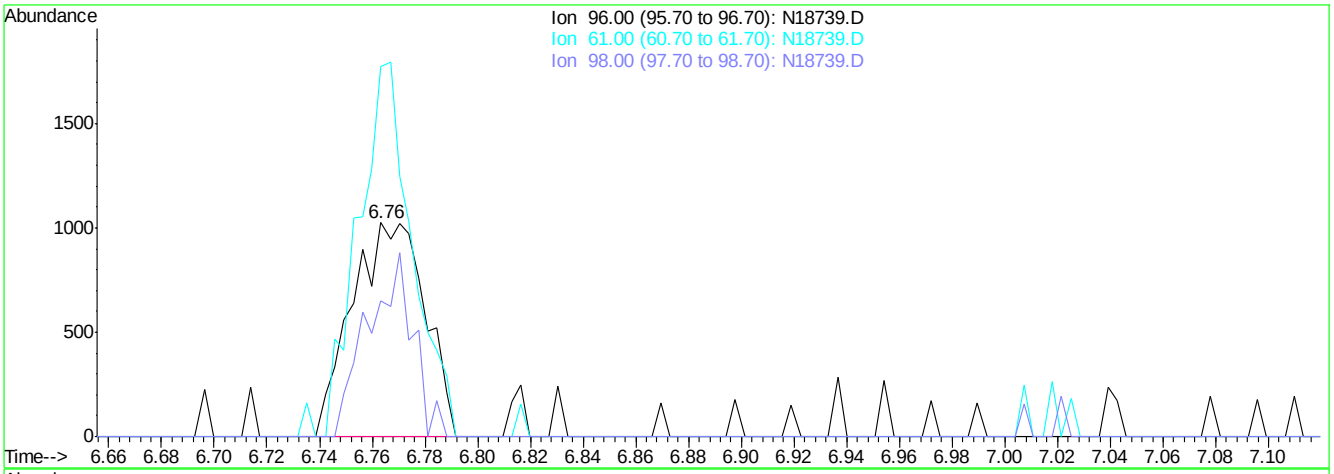
N18739.D N042007W.M Sat Apr 21 13:19:37 2007 RP1

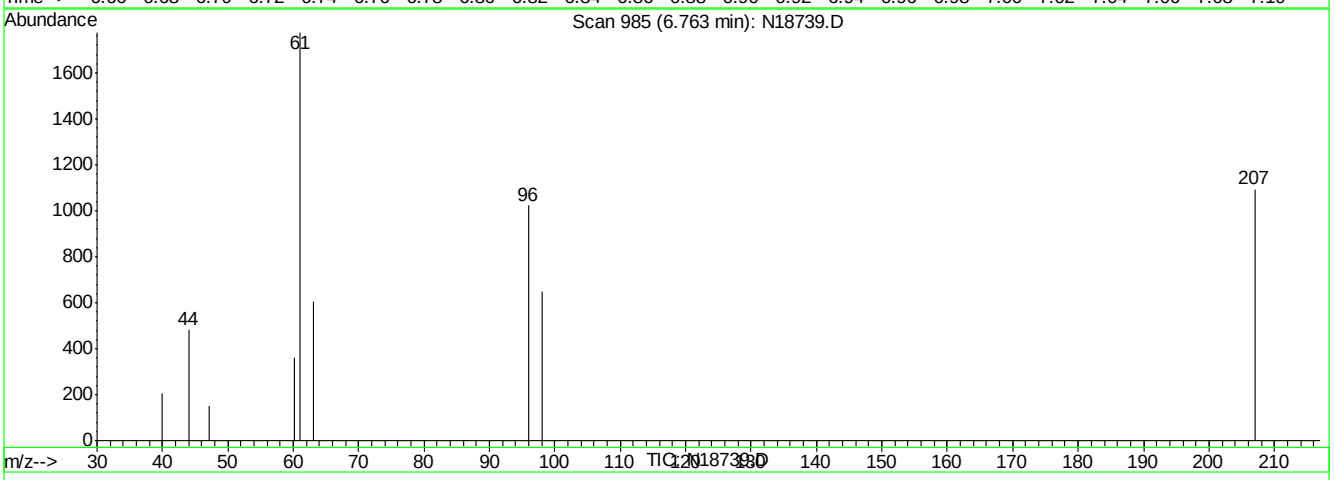
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18739.D Vial: 23
Acq On : 20 Apr 2007 6:41 pm Operator: alit
Sample : ic678-1 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:19 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:10:39 2007
Response via : Multiple Level Calibration






(22) trans-1,2-dichloroethene (M)

6.76min 1.13ug/L m

response 1977

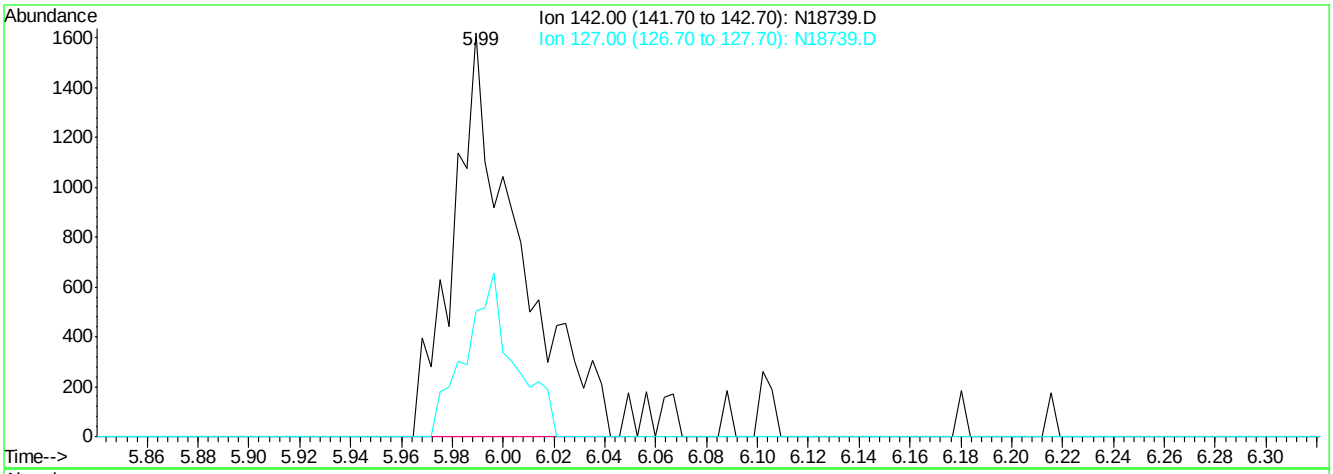
| Ion | Exp% | Act% |
|---|---|---|
| 96.00 | 100 | 100 |
| 61.00 | 137.10 | 173.34# |
| 98.00 | 63.30 | 63.38 |
| 0.00 | 0.00 | 0.00 |

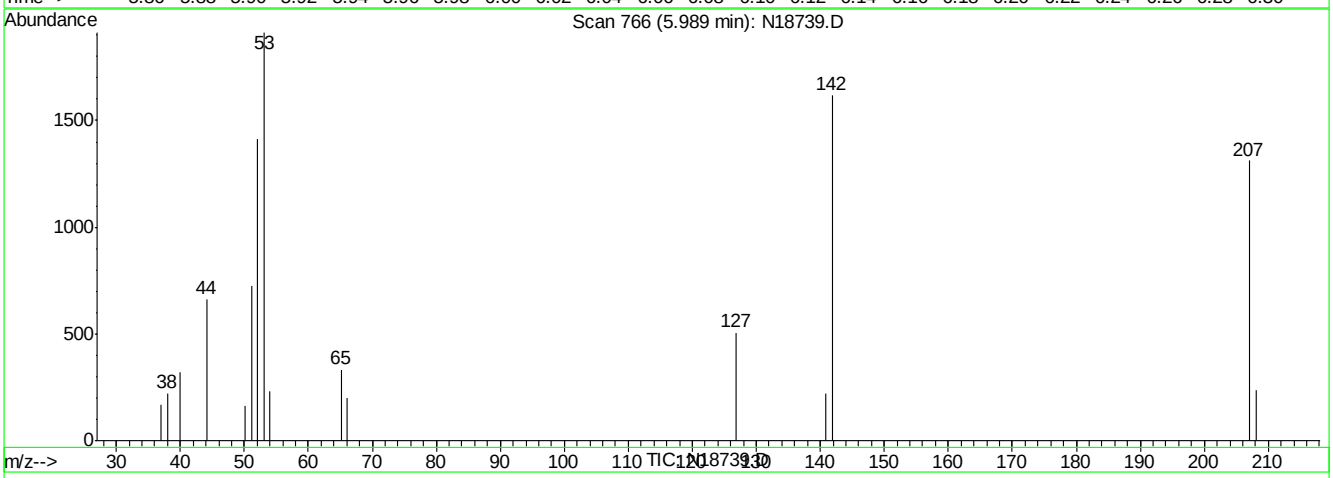
N18739.D N042007W.M Sat Apr 21 13:19:46 2007 RP1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18739.D  Vial: 23
Acq On : 20 Apr 2007 6:41 pm  Operator: alit
Sample : ic678-1  Inst : MAMSN
Misc : ms13382,msn678,,,,5,1  Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:19 2007  Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:10:39 2007
Response via : Multiple Level Calibration




(23) iodomethane (M)

5.99min 1.28ug/L m

response 2882

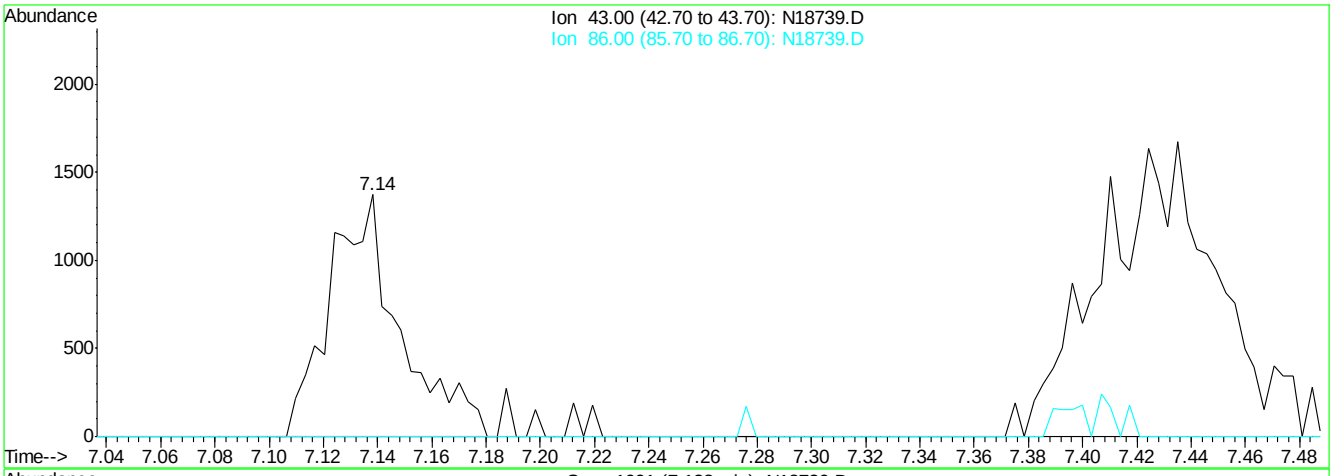
| Ion | Exp% | Act% |
|---|---|---|
| 142.00 | 100 | 100 |
| 127.00 | 38.80 | 31.21 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

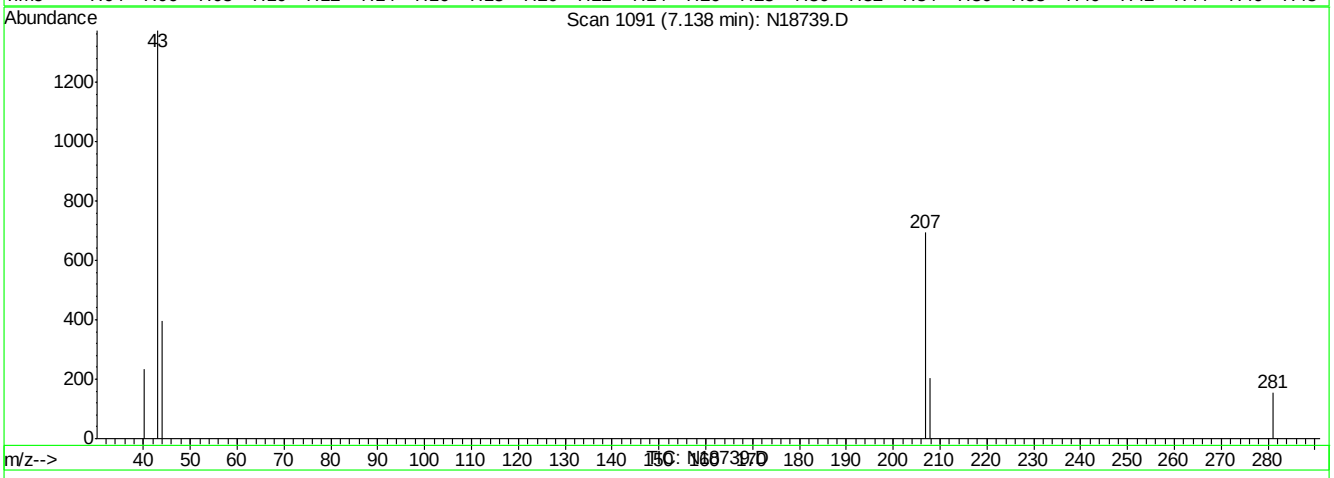
N18739.D N042007W.M Sat Apr 21 13:19:53 2007 RP1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18739.D Vial: 23
Acq On : 20 Apr 2007 6:41 pm Operator: alit
Sample : ic678-1 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:20 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:10:39 2007
Response via : Multiple Level Calibration




(26) vinyl acetate (M)

7.14min 5.26ug/L m

response 2461

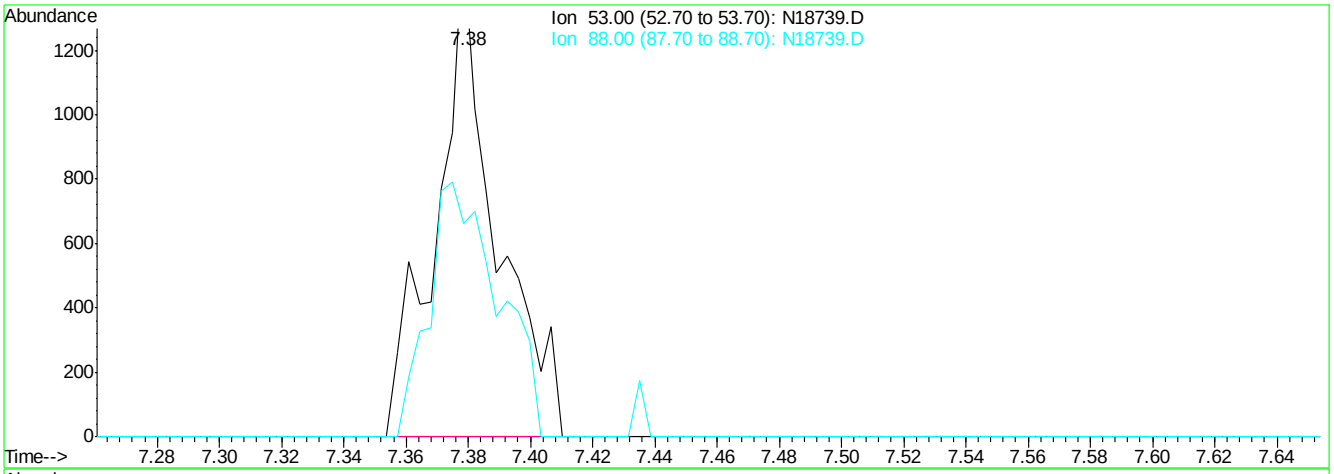
| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 86.00 | 7.20 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

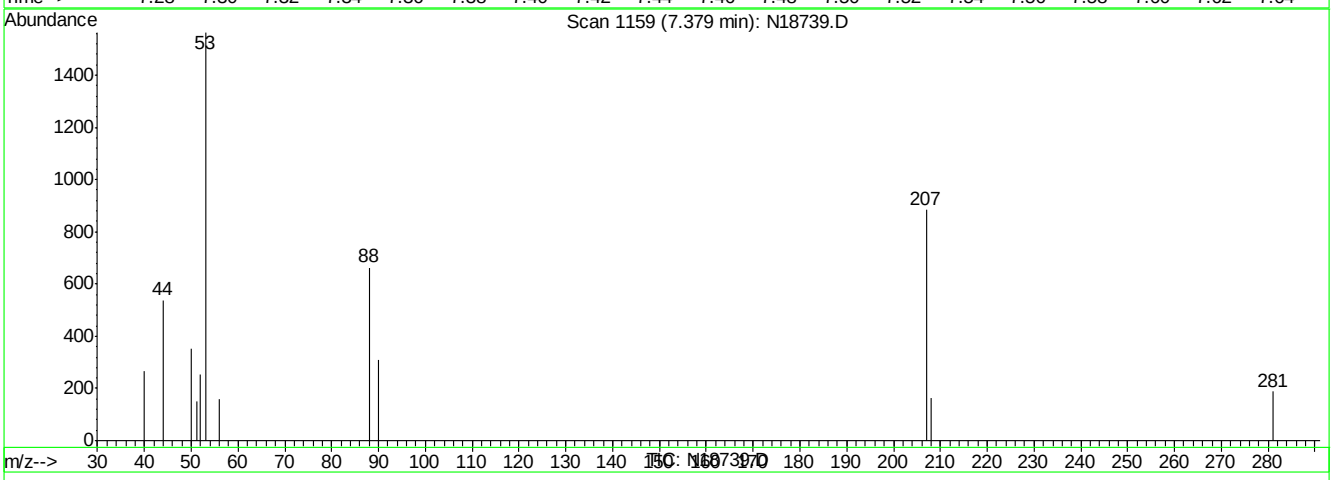
N18739.D N042007W.M Sat Apr 21 13:20:07 2007 RP1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18739.D  Vial: 23
Acq On : 20 Apr 2007 6:41 pm  Operator: alit
Sample : ic678-1  Inst : MAMSN
Misc : ms13382,msn678,,,,5,1  Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:20 2007  Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:10:39 2007
Response via : Multiple Level Calibration




(27) chloroprene (M)

7.38min 3.35ug/L m

response 1943

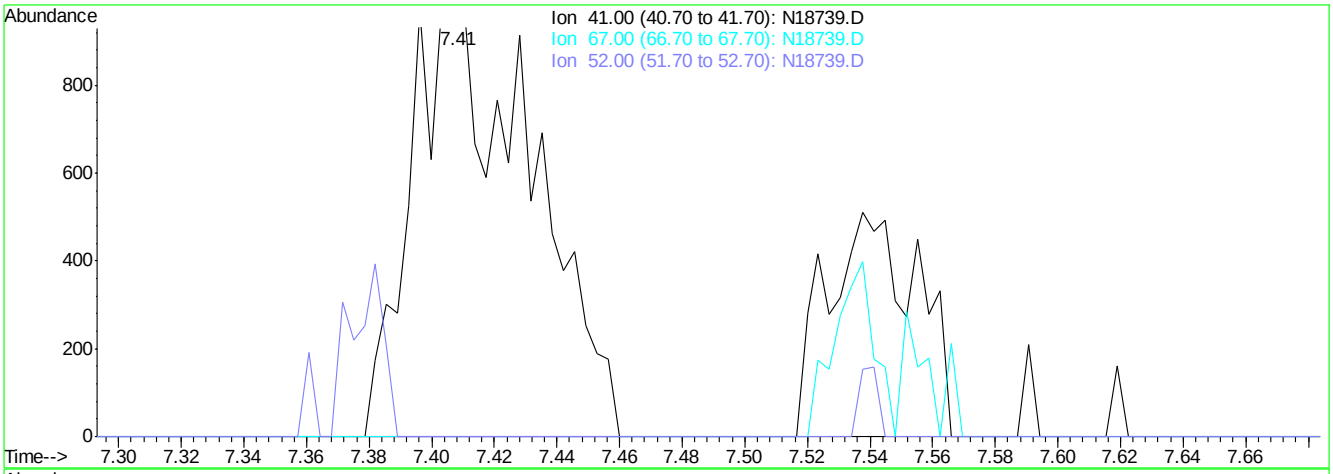
| Ion | Exp% | Act% |
|---|---|---|
| 53.00 | 100 | 100 |
| 88.00 | 57.90 | 42.35 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

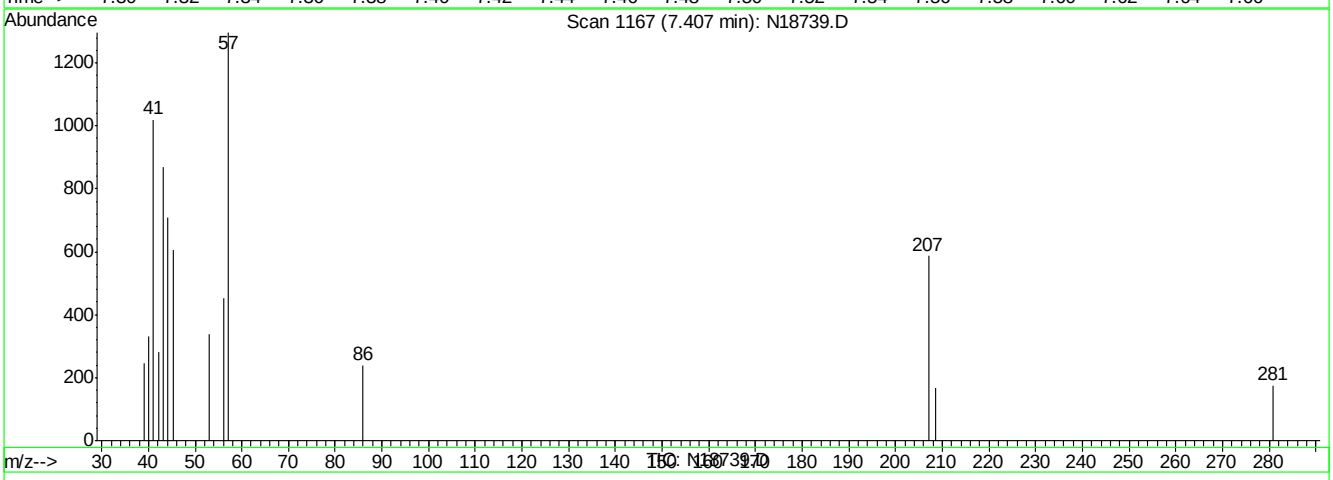
N18739.D N042007W.M Sat Apr 21 13:20:14 2007 RP1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18739.D  Vial: 23
Acq On : 20 Apr 2007 6:41 pm  Operator: alit
Sample : ic678-1  Inst : MAMSN
Misc : ms13382,msn678,,,,5,1  Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:20 2007  Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:10:39 2007
Response via : Multiple Level Calibration




(29) methacrylonitrile (M)

7.41min 2.13ug/L m

response 2664

| Ion | Exp% | Act% |
|---|---|---|
| 41.00 | 100 | 100 |
| 67.00 | 69.10 | 0.00# |
| 52.00 | 25.60 | 0.00 |
| 0.00 | 0.00 | 0.00 |

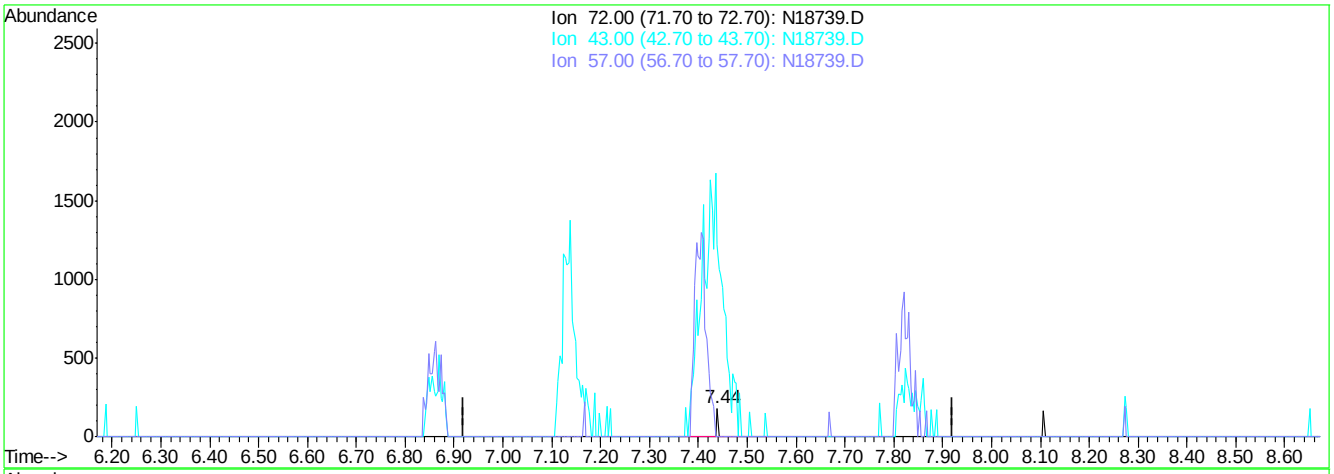
N18739.D N042007W.M Sat Apr 21 13:20:22 2007 RP1

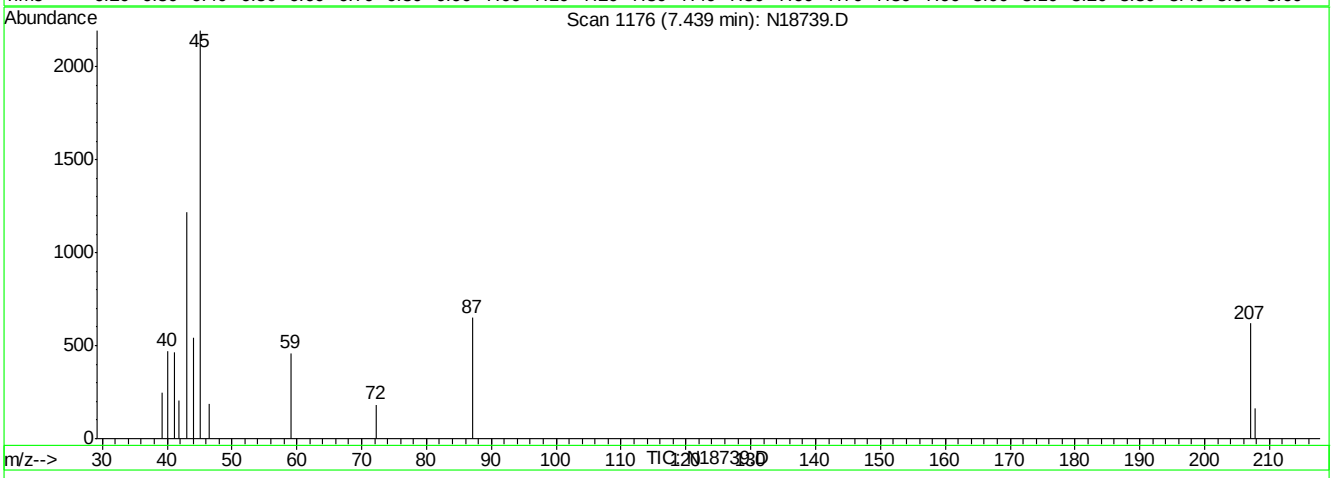
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18739.D Vial: 23
Acq On : 20 Apr 2007 6:41 pm Operator: alit
Sample : ic678-1 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:20 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:10:39 2007
Response via : Multiple Level Calibration






(30) 2-butanone (M)

7.44min 0.16ug/L m

response 39

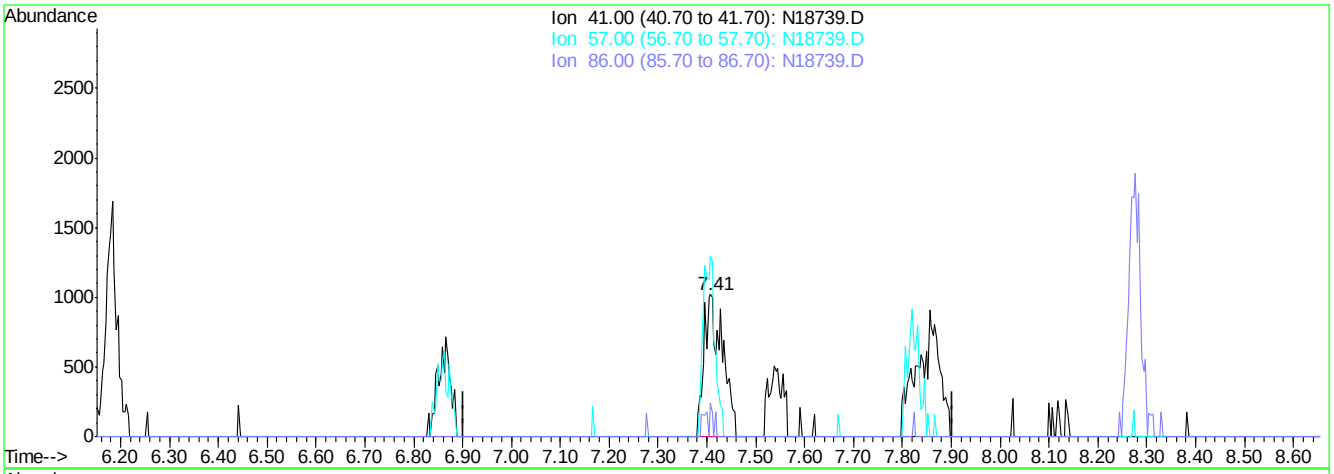
| Ion | Exp% | Act% |
|---|---|---|
| 72.00 | 100 | 100 |
| 43.00 | 1369.30 | 669.23# |
| 57.00 | 236.30 | 0.00# |
| 0.00 | 0.00 | 0.00 |

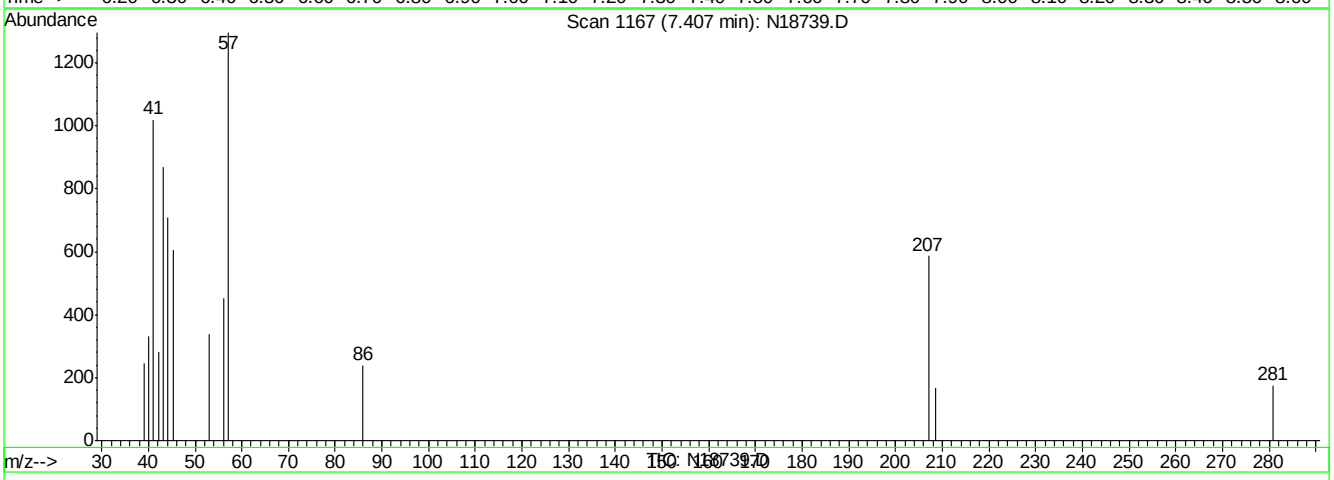
N18739.D N042007W.M Sat Apr 21 13:20:35 2007 RP1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18739.D  Vial: 23
Acq On : 20 Apr 2007 6:41 pm  Operator: alit
Sample : ic678-1  Inst : MAMSN
Misc : ms13382,msn678,,,,5,1  Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:20 2007  Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:10:39 2007
Response via : Multiple Level Calibration




(31) Hexane (M)

7.41min 1.39ug/L m

response 2664

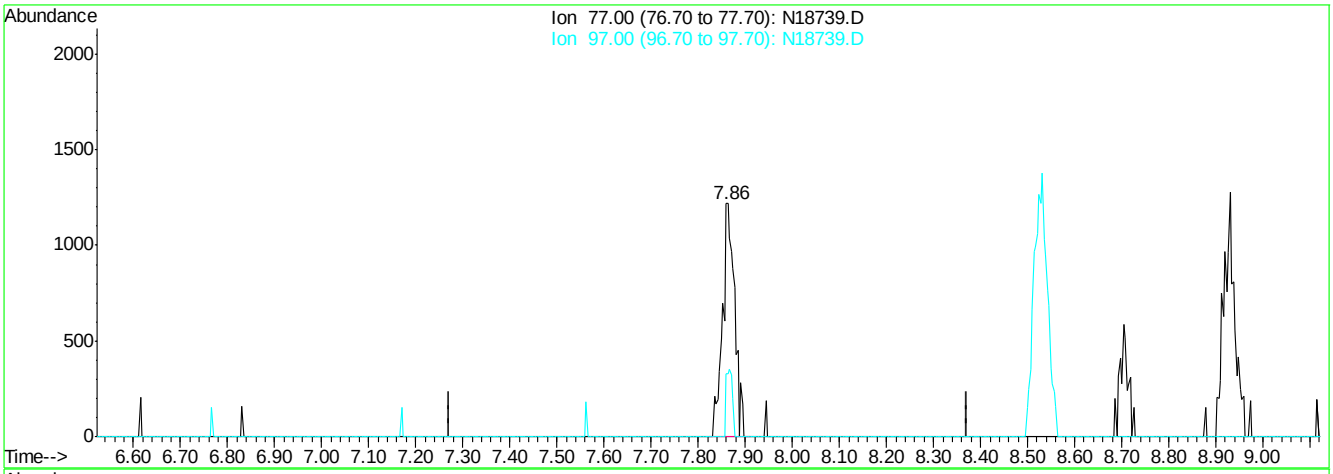
| Ion | Exp% | Act% |
|---|---|---|
| 41.00 | 100 | 100 |
| 57.00 | 110.00 | 127.18 |
| 86.00 | 16.00 | 23.55# |
| 0.00 | 0.00 | 0.00 |

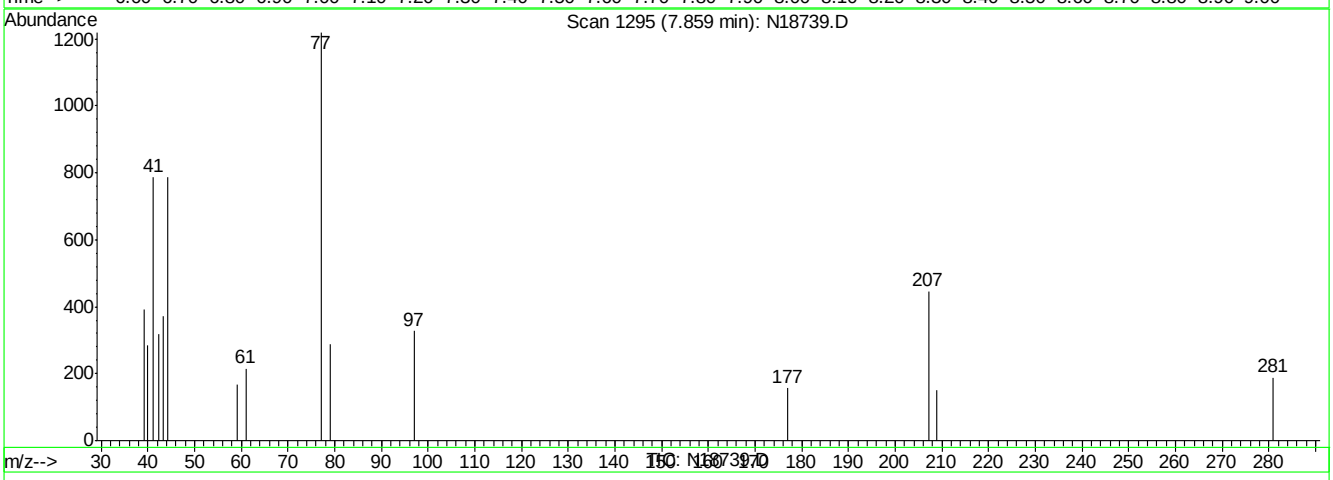
N18739.D N042007W.M Sat Apr 21 13:20:41 2007 RP1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18739.D Vial: 23
Acq On : 20 Apr 2007 6:41 pm Operator: alit
Sample : ic678-1 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:20 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:10:39 2007
Response via : Multiple Level Calibration




(35) 2,2-dichloropropane (M)

7.86min 1.06ug/L m

response 2155

| Ion | Exp% | Act% |
|---|---|---|
| 77.00 | 100 | 100 |
| 97.00 | 20.80 | 26.91 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

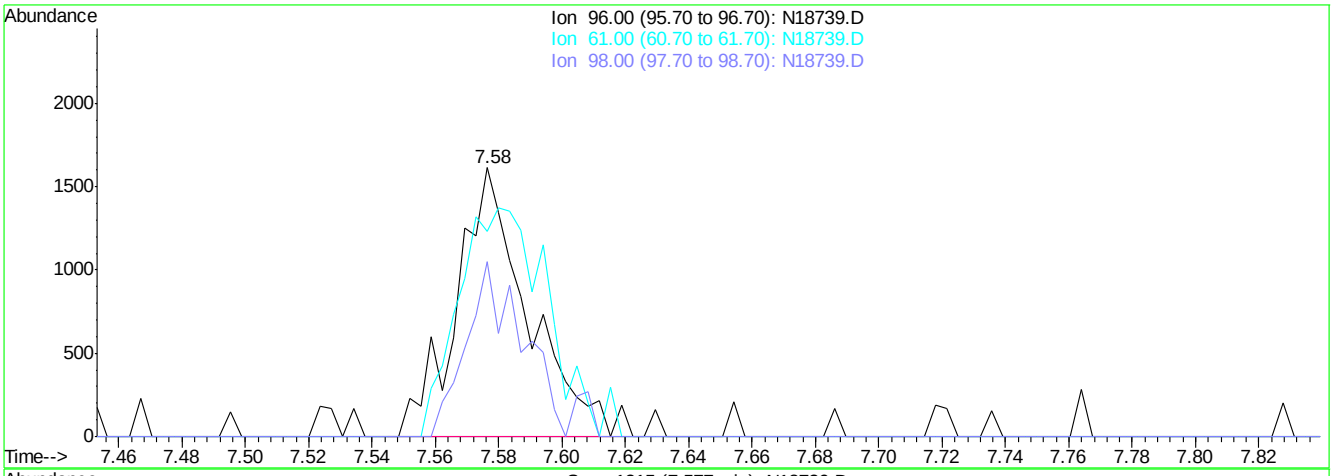
N18739.D N042007W.M Sat Apr 21 13:20:51 2007 RP1

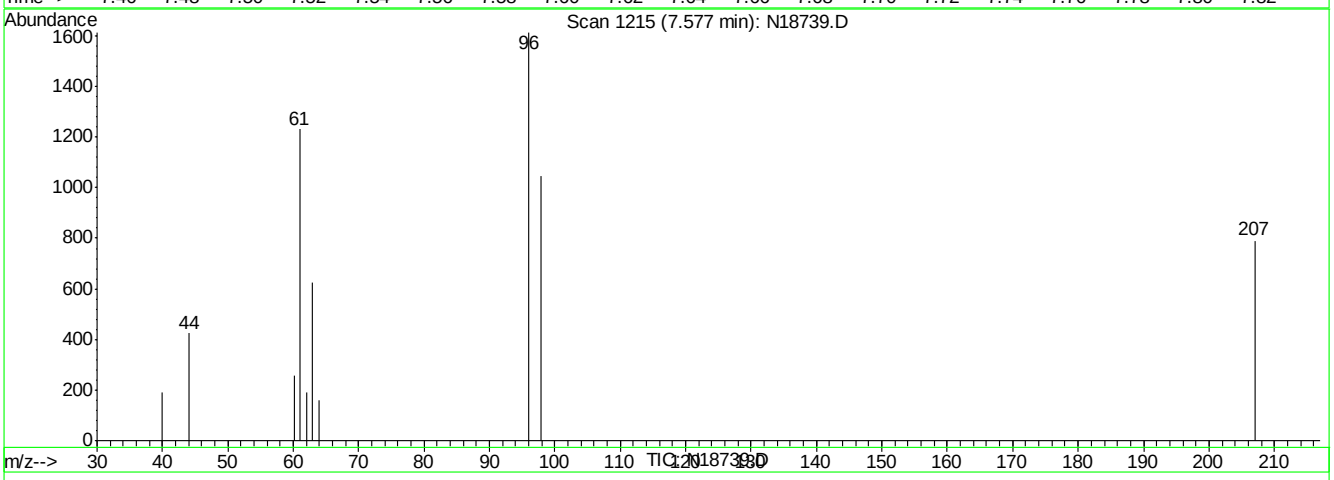
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18739.D Vial: 23
Acq On : 20 Apr 2007 6:41 pm Operator: alit
Sample : ic678-1 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:20 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:10:39 2007
Response via : Multiple Level Calibration






(36) cis-1,2-dichloroethene (M)

7.58min 1.19ug/L m

response 2527

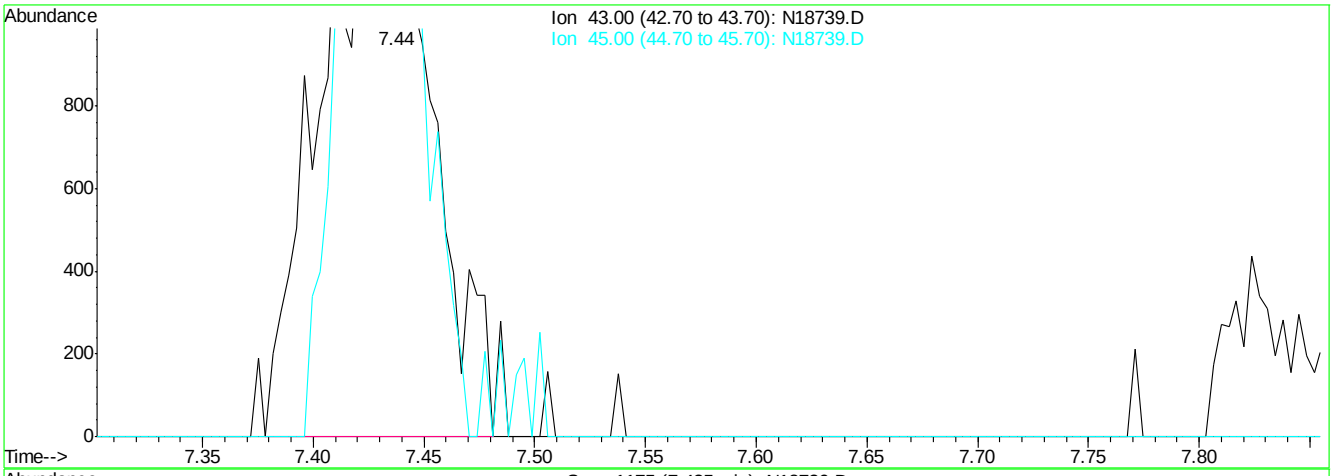
| Ion | Exp% | Act% |
|---|---|---|
| 96.00 | 100 | 100 |
| 61.00 | 118.50 | 76.26# |
| 98.00 | 63.10 | 64.97 |
| 0.00 | 0.00 | 0.00 |

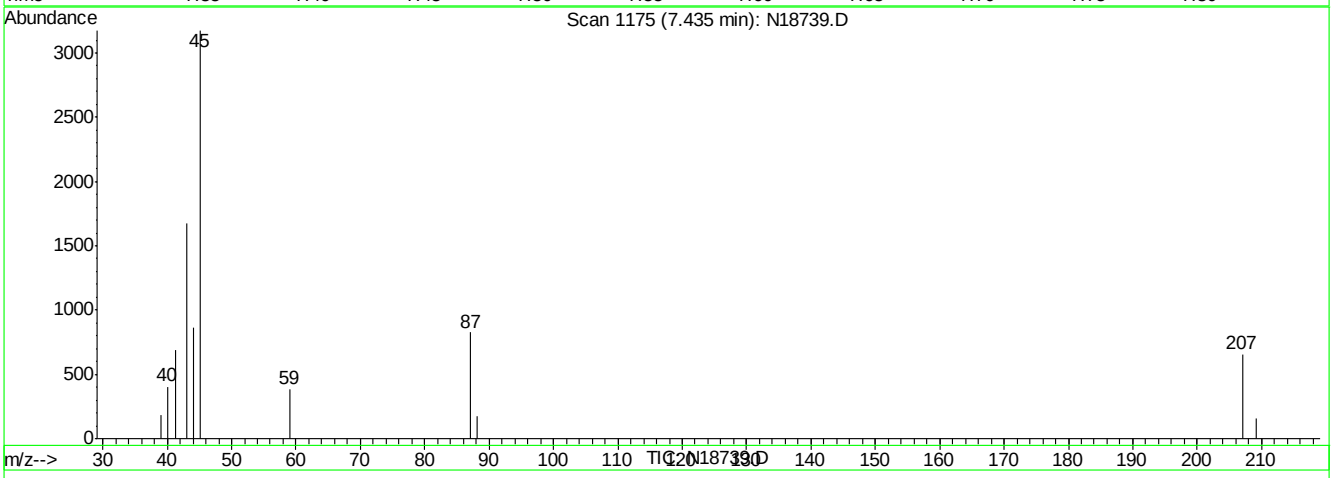
N18739.D N042007W.M Sat Apr 21 13:20:59 2007 RP1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18739.D Vial: 23
Acq On : 20 Apr 2007 6:41 pm Operator: alit
Sample : ic678-1 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:21 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:10:39 2007
Response via : Multiple Level Calibration




(37) ethyl acetate (M)

7.44min 8.73ug/L m

response 4915

| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 45.00 | 8.50 | 189.61# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

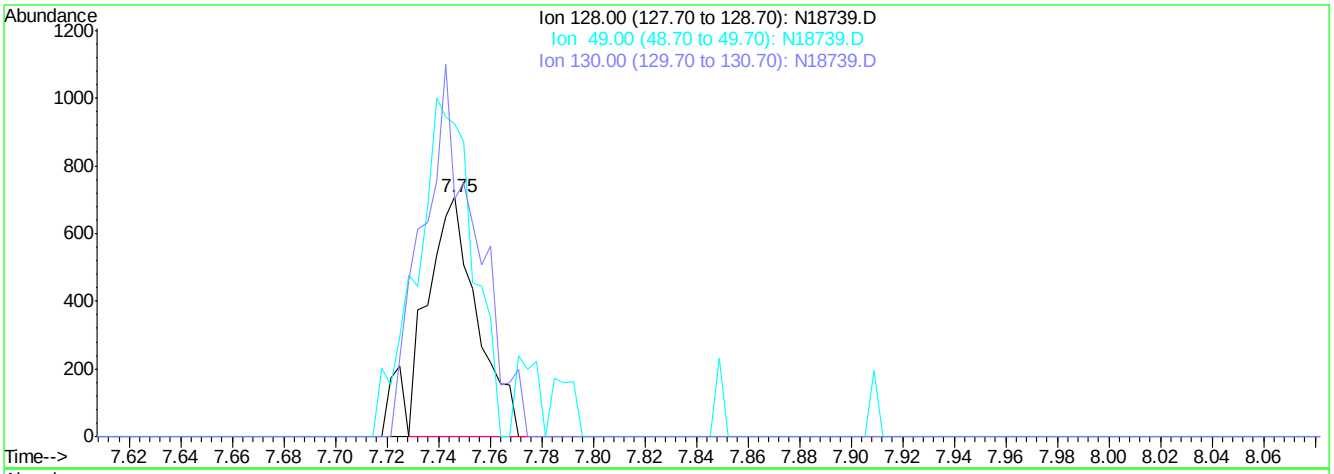
N18739.D N042007W.M Sat Apr 21 13:21:14 2007 RP1

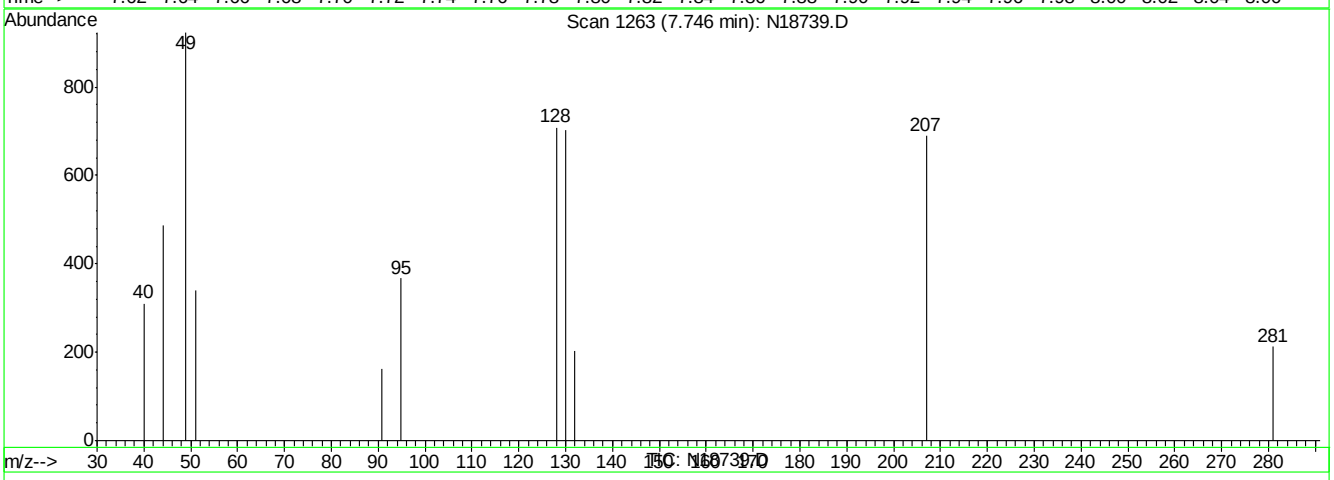
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18739.D Vial: 23
Acq On : 20 Apr 2007 6:41 pm Operator: alit
Sample : ic678-1 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:21 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:10:39 2007
Response via : Multiple Level Calibration






(38) bromochloromethane (M)

7.75min 0.93ug/L m

response 933

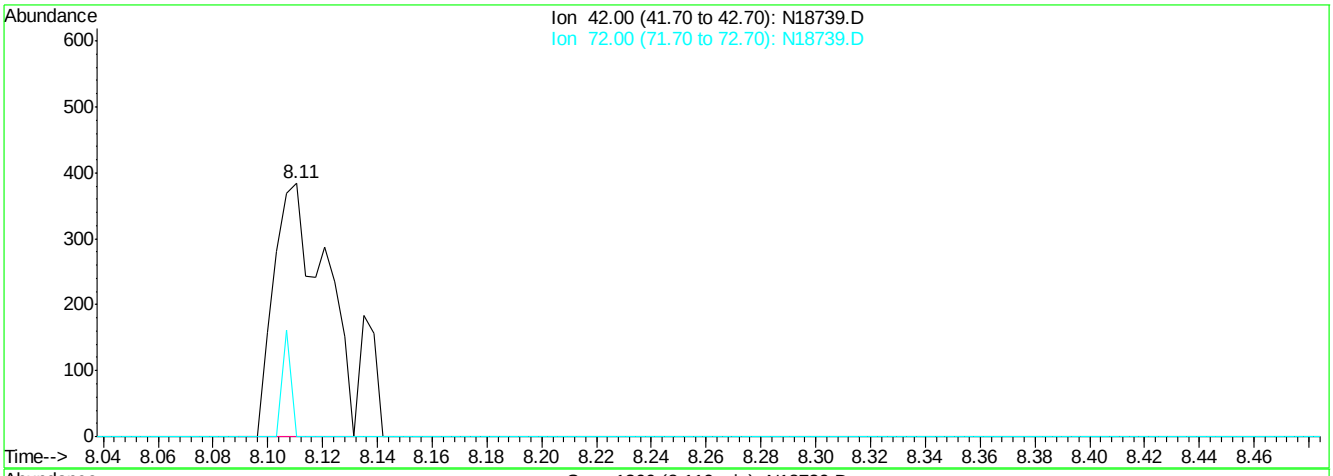
| Ion | Exp% | Act% |
|---|---|---|
| 128.00 | 100 | 100 |
| 49.00 | 156.10 | 130.37 |
| 130.00 | 126.20 | 99.29 |
| 0.00 | 0.00 | 0.00 |

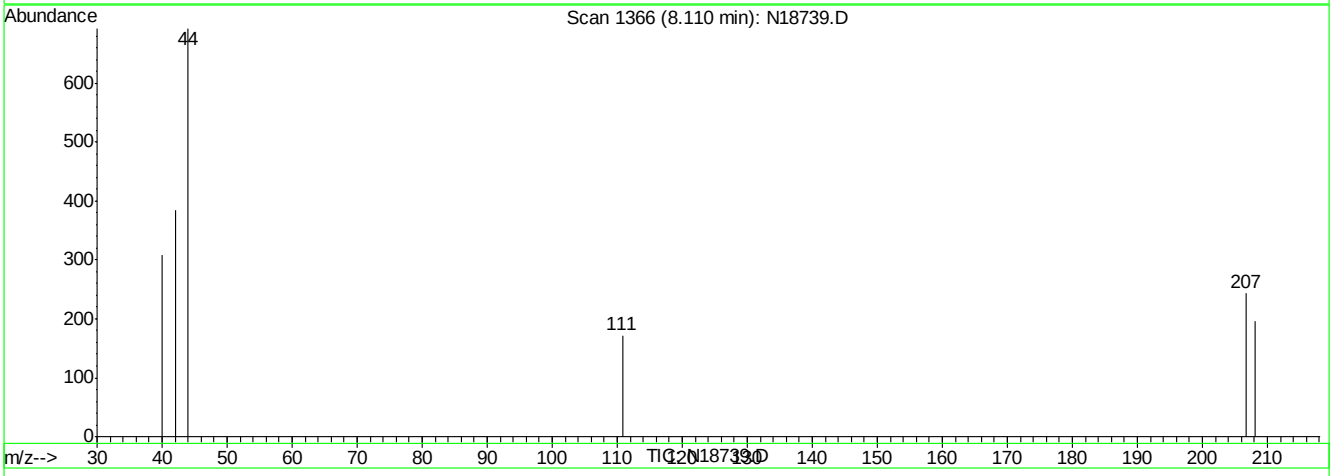
N18739.D N042007W.M Sat Apr 21 13:21:21 2007 RP1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18739.D Vial: 23
Acq On : 20 Apr 2007 6:41 pm Operator: alit
Sample : ic678-1 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:21 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:10:39 2007
Response via : Multiple Level Calibration




(41) Tetrahydrofuran (M)

8.11min 0.81ug/L m

response 498

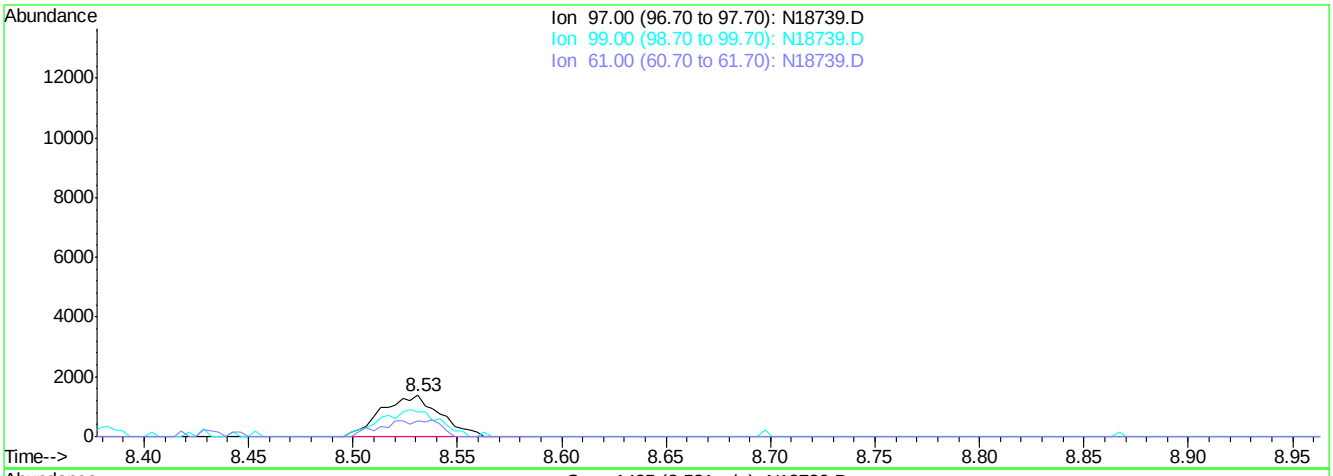
| Ion | Exp% | Act% |
|---|---|---|
| 42.00 | 100 | 100 |
| 72.00 | 39.80 | 0.00# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

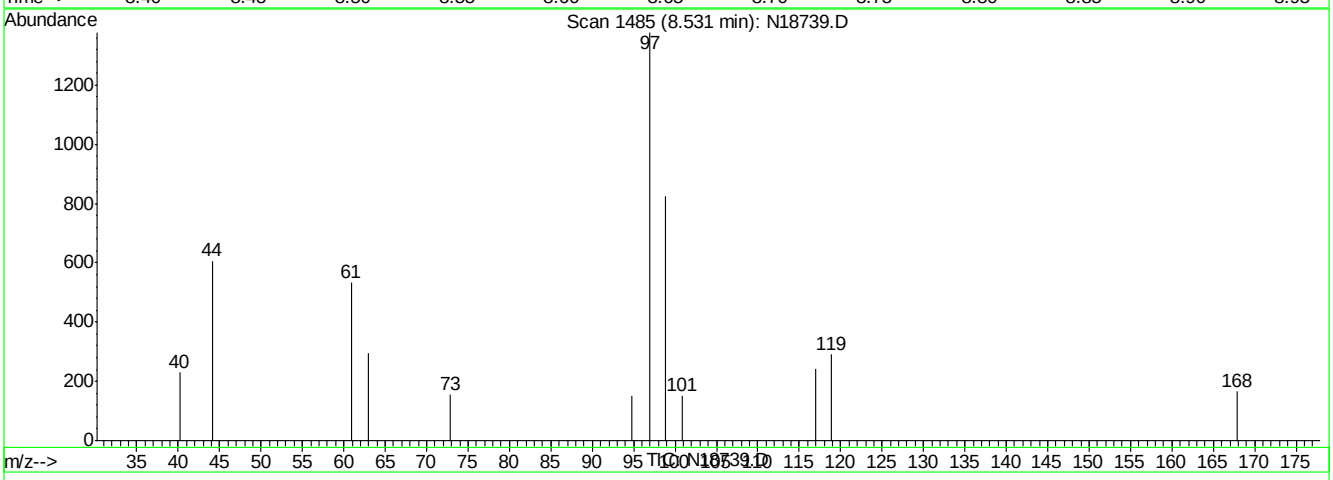
N18739.D N042007W.M Sat Apr 21 13:21:34 2007 RP1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18739.D Vial: 23
Acq On : 20 Apr 2007 6:41 pm Operator: alit
Sample : ic678-1 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:21 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:10:39 2007
Response via : Multiple Level Calibration




(42) 1,1,1-trichloroethane (M)

8.53min 1.14ug/L m

response 2704

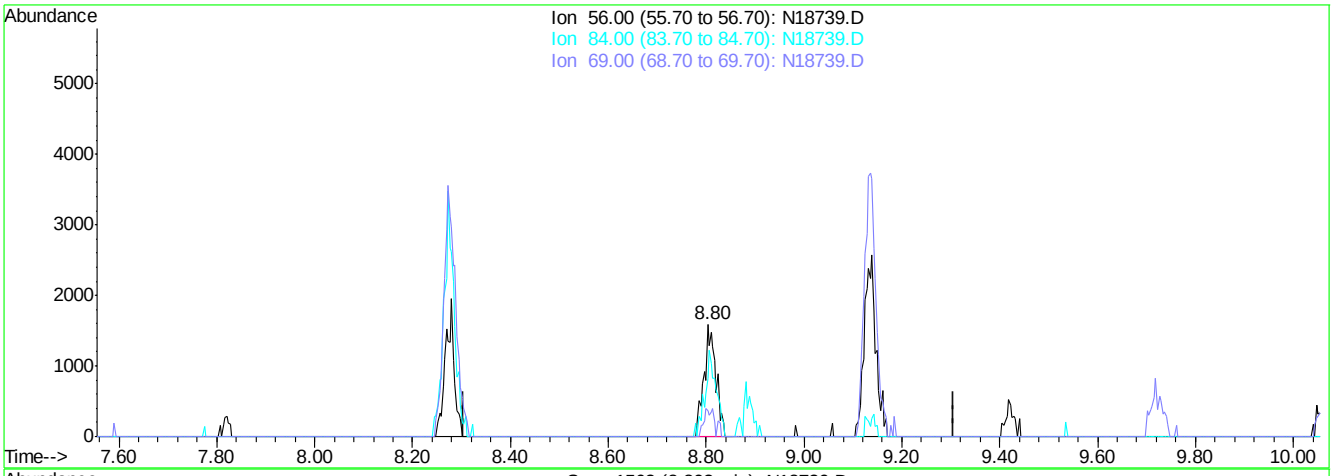
| Ion | Exp% | Act% |
|---|---|---|
| 97.00 | 100 | 100 |
| 99.00 | 62.20 | 59.99 |
| 61.00 | 40.80 | 38.71 |
| 0.00 | 0.00 | 0.00 |

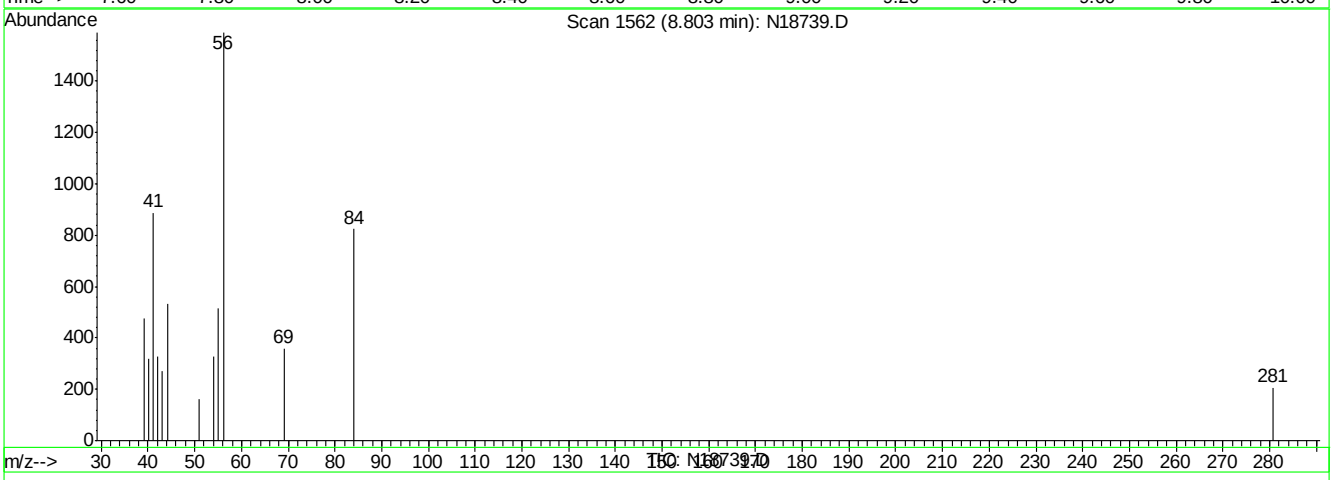
N18739.D N042007W.M Sat Apr 21 13:21:45 2007 RP1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18739.D Vial: 23
Acq On : 20 Apr 2007 6:41 pm Operator: alit
Sample : ic678-1 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:21 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:10:39 2007
Response via : Multiple Level Calibration




(44) Cyclohexane (M)

8.80min 0.59ug/L m

response 2658

| Ion | Exp% | Act% |
|---|---|---|
| 56.00 | 100 | 100 |
| 84.00 | 82.80 | 51.86# |
| 69.00 | 29.40 | 22.59# |
| 0.00 | 0.00 | 0.00 |

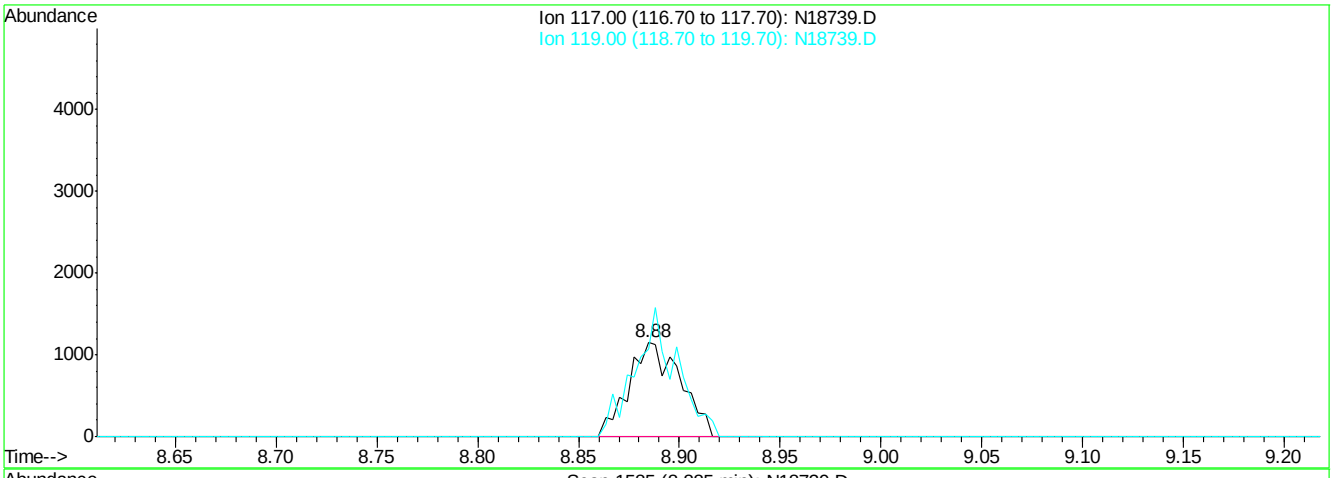
N18739.D N042007W.M Sat Apr 21 13:22:01 2007 RP1

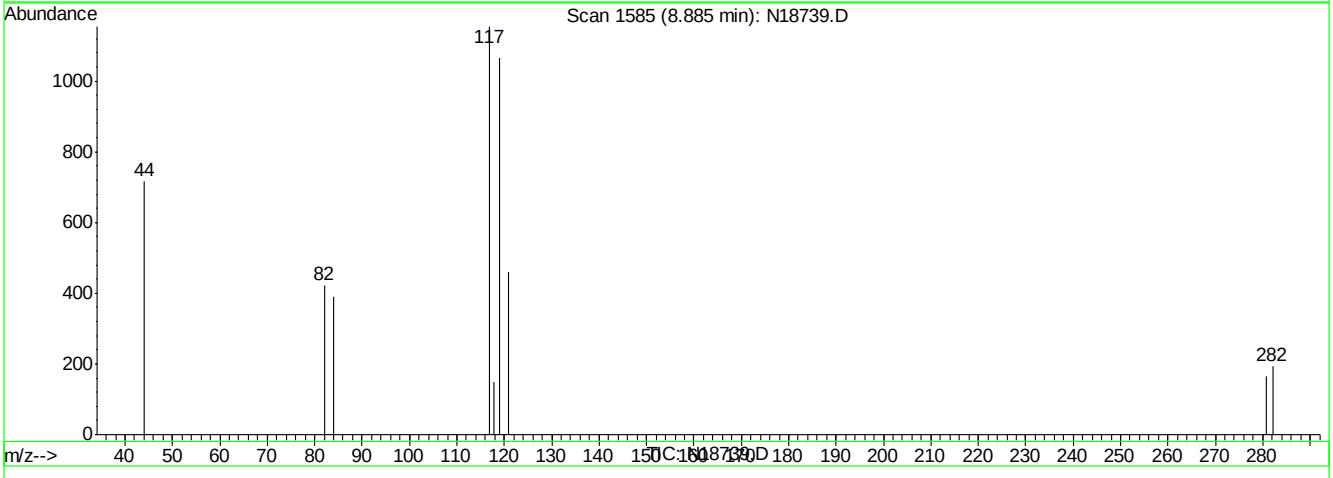
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18739.D Vial: 23
Acq On : 20 Apr 2007 6:41 pm Operator: alit
Sample : ic678-1 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:22 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:10:39 2007
Response via : Multiple Level Calibration






(45) carbon tetrachloride (M)

8.88min 0.95ug/L m

response 2062

| Ion | Exp% | Act% |
|---|---|---|
| 117.00 | 100 | 100 |
| 119.00 | 94.10 | 92.29 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

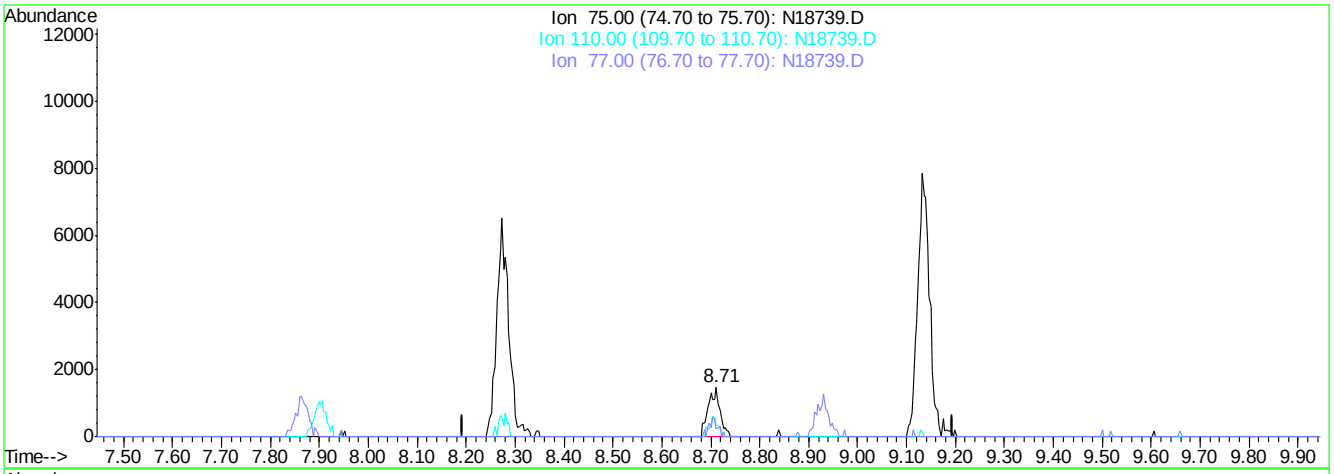
N18739.D N042007W.M Sat Apr 21 13:22:10 2007 RP1

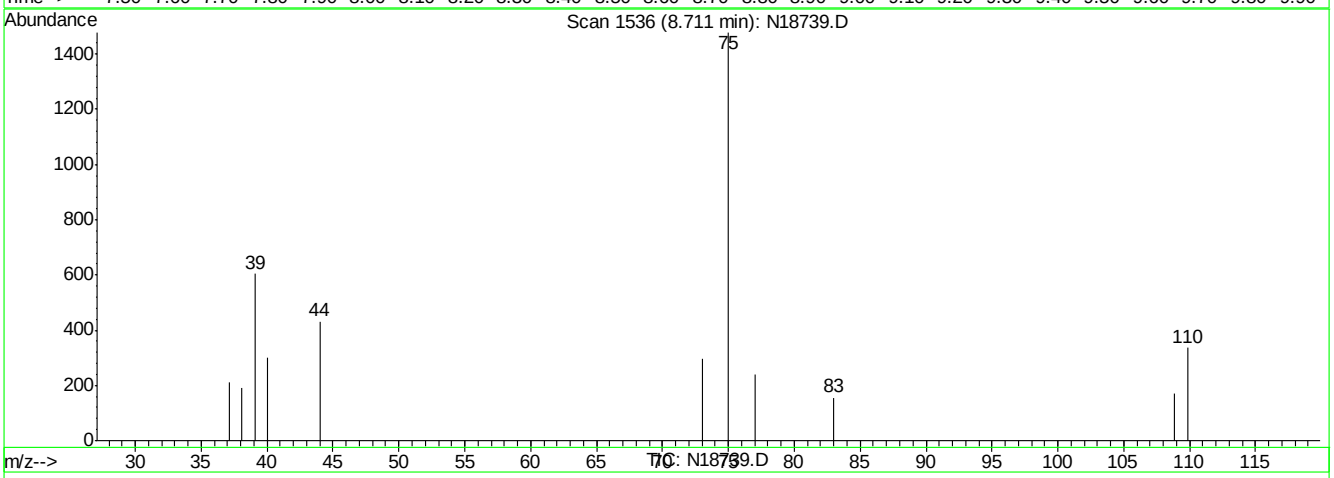
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18739.D Vial: 23
Acq On : 20 Apr 2007 6:41 pm Operator: alit
Sample : ic678-1 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:22 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:10:39 2007
Response via : Multiple Level Calibration






(46) 1,1-dichloropropene (M)

8.71min 1.98ug/L m

response 2419

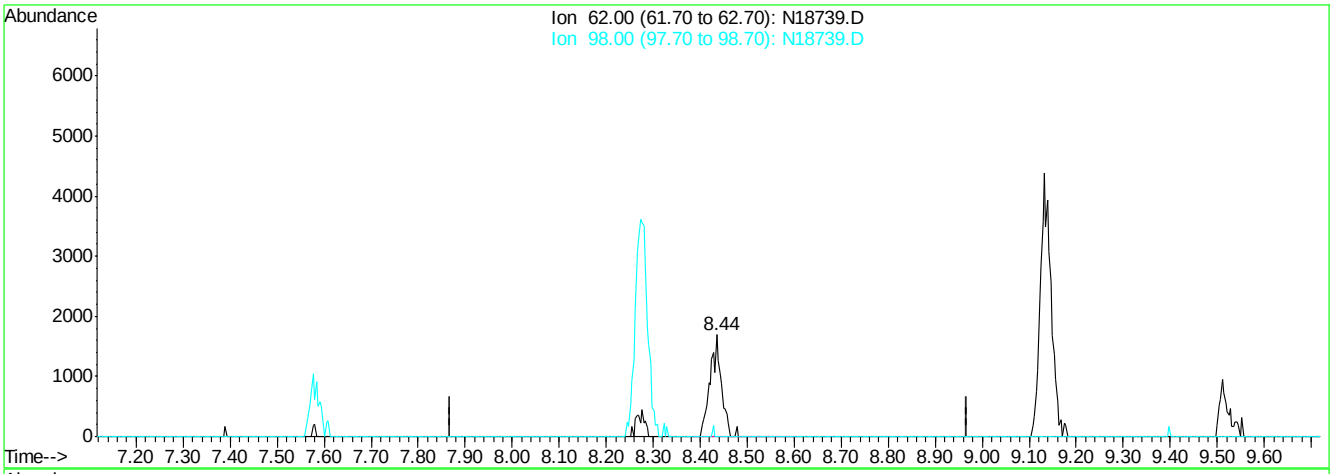
| Ion | Exp% | Act% |
|---|---|---|
| 75.00 | 100 | 100 |
| 110.00 | 39.60 | 22.80 |
| 77.00 | 30.20 | 16.31 |
| 0.00 | 0.00 | 0.00 |

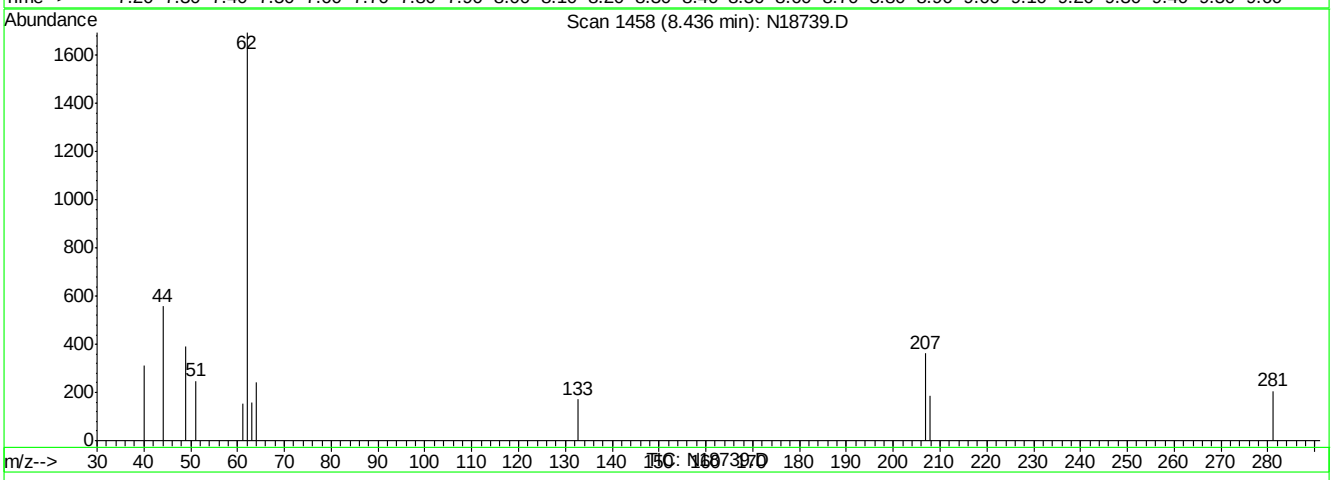
N18739.D N042007W.M Sat Apr 21 13:22:15 2007 RP1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18739.D  Vial: 23
Acq On : 20 Apr 2007 6:41 pm  Operator: alit
Sample : ic678-1  Inst : MAMSN
Misc : ms13382,msn678,,,,5,1  Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:22 2007  Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:10:39 2007
Response via : Multiple Level Calibration




(48) 1,2-dichloroethane (M)

8.44min 1.27ug/L m

response 2855

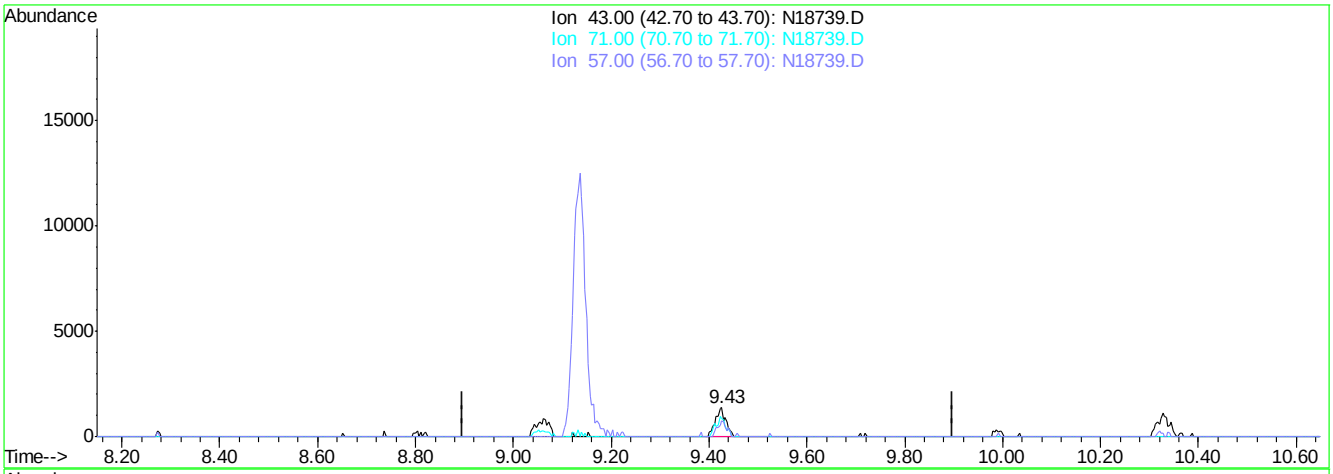
| Ion | Exp% | Act% |
|---|---|---|
| 62.00 | 100 | 100 |
| 98.00 | 9.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

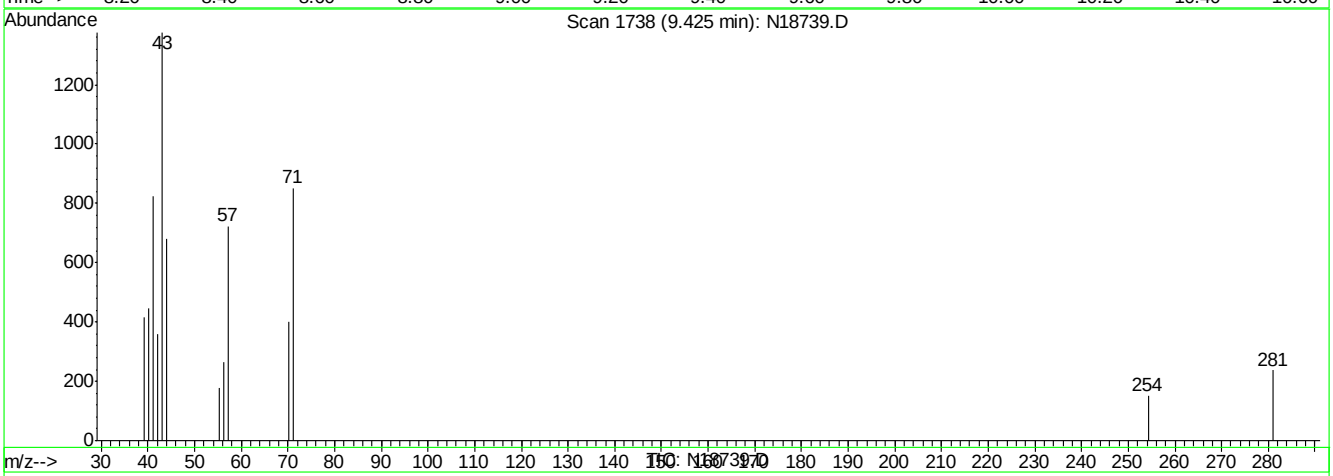
N18739.D N042007W.M Sat Apr 21 13:22:27 2007 RP1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18739.D Vial: 23
Acq On : 20 Apr 2007 6:41 pm Operator: alit
Sample : ic678-1 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:22 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:10:39 2007
Response via : Multiple Level Calibration




(50) heptane (M)

9.43min 1.23ug/L m

response 2004

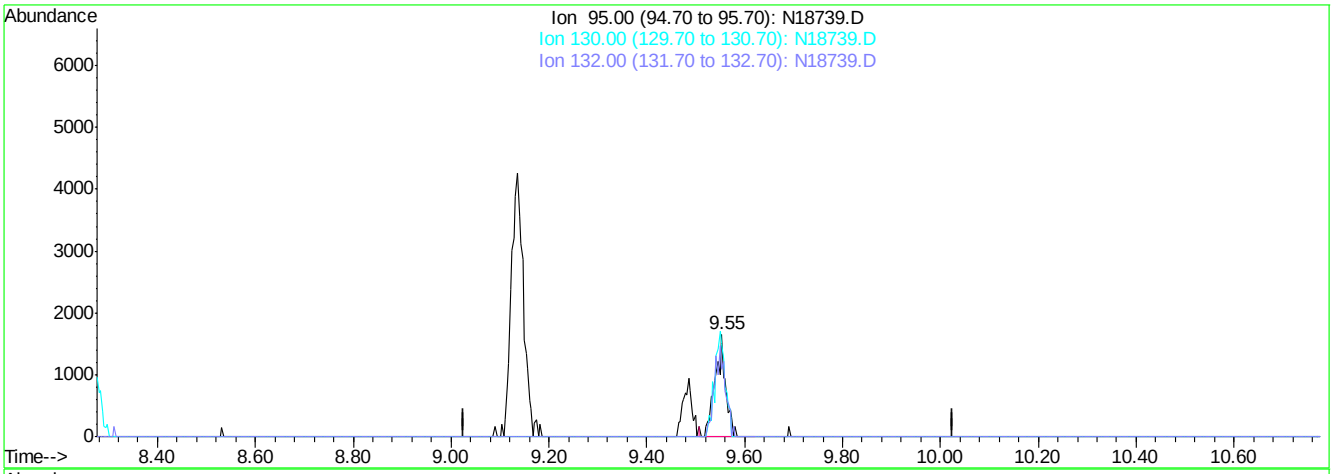
| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 71.00 | 53.30 | 61.92 |
| 57.00 | 48.00 | 52.62 |
| 0.00 | 0.00 | 0.00 |

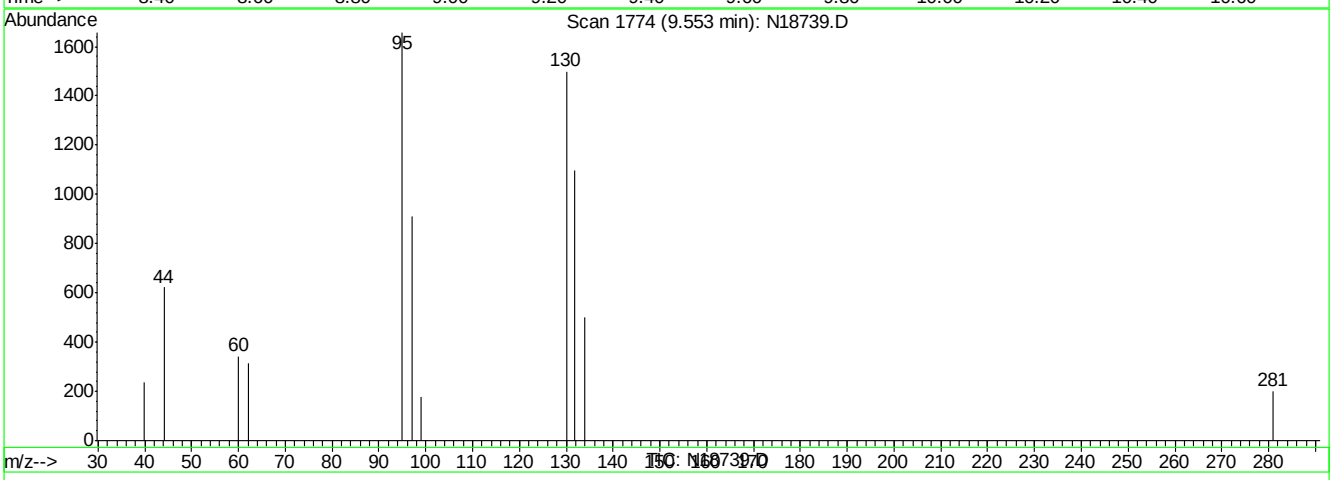
N18739.D N042007W.M Sat Apr 21 13:22:34 2007 RP1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18739.D Vial: 23
Acq On : 20 Apr 2007 6:41 pm Operator: alit
Sample : ic678-1 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:22 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:10:39 2007
Response via : Multiple Level Calibration




(51) trichloroethene (M)

9.55min 1.30ug/L m

response 2452

| Ion | Exp% | Act% |
|---|---|---|
| 95.00 | 100 | 100 |
| 130.00 | 105.70 | 90.53 |
| 132.00 | 99.50 | 66.08# |
| 0.00 | 0.00 | 0.00 |

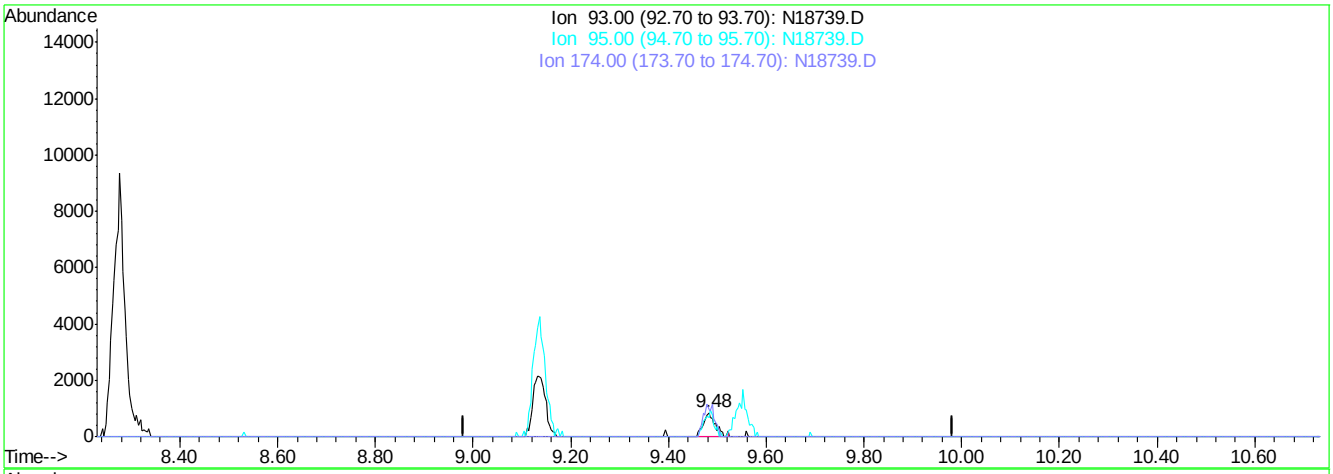
N18739.D N042007W.M Sat Apr 21 13:22:44 2007 RP1

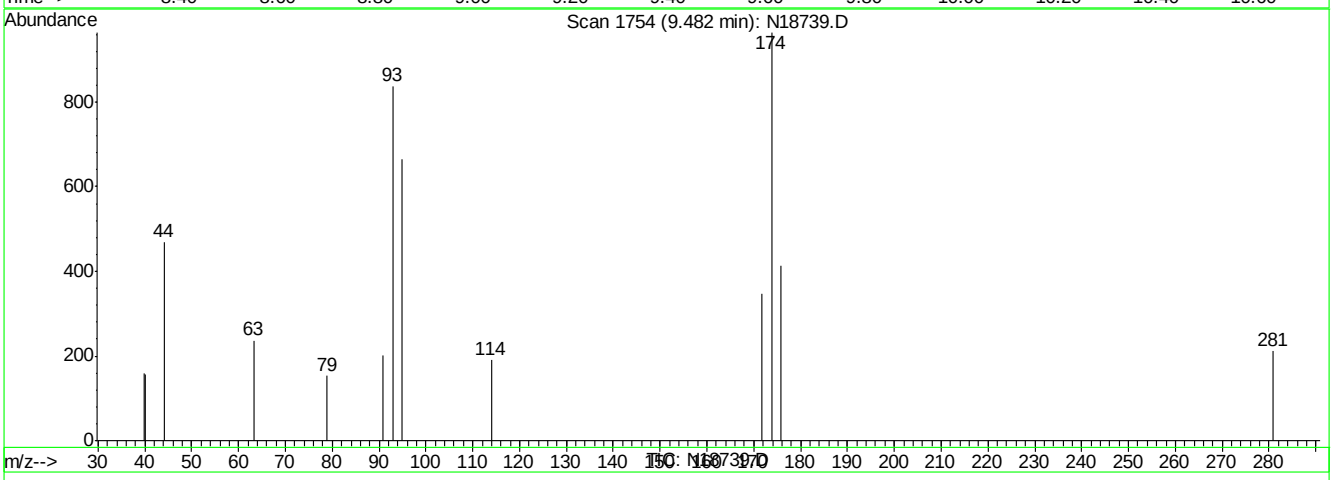
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18739.D Vial: 23
Acq On : 20 Apr 2007 6:41 pm Operator: alit
Sample : ic678-1 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:22 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:10:39 2007
Response via : Multiple Level Calibration






(53) dibromomethane (M)

9.48min 1.14ug/L m

response 1408

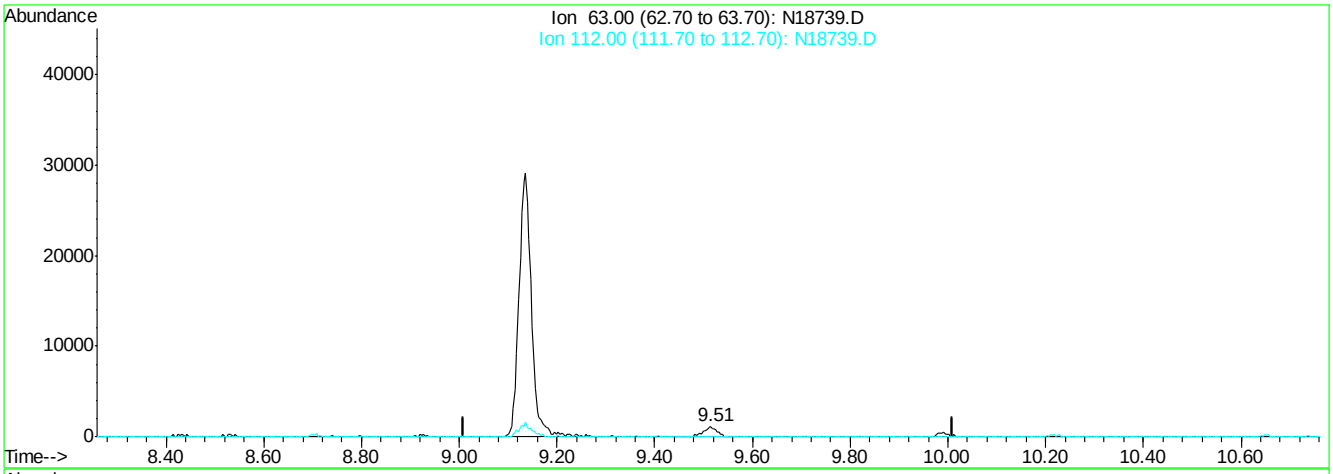
| Ion | Exp% | Act% |
|---|---|---|
| 93.00 | 100 | 100 |
| 95.00 | 81.40 | 79.33 |
| 174.00 | 126.40 | 115.17 |
| 0.00 | 0.00 | 0.00 |

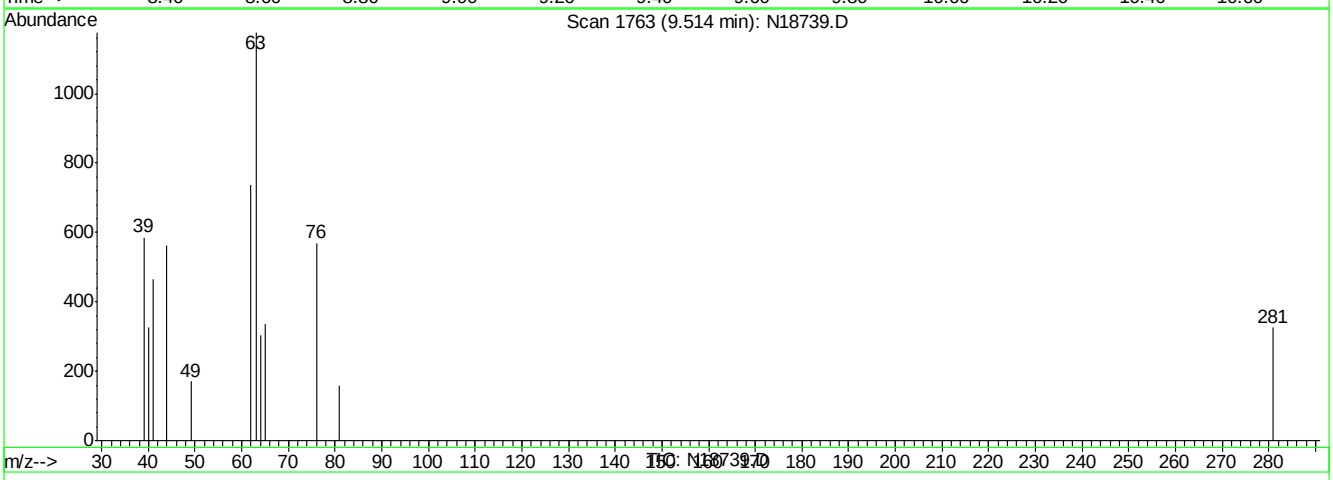
N18739.D N042007W.M Sat Apr 21 13:22:53 2007 RP1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18739.D Vial: 23
Acq On : 20 Apr 2007 6:41 pm Operator: alit
Sample : ic678-1 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:23 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:10:39 2007
Response via : Multiple Level Calibration




(52) 1,2-dichloropropane (c)

9.51min 1.16ug/L m

response 2010

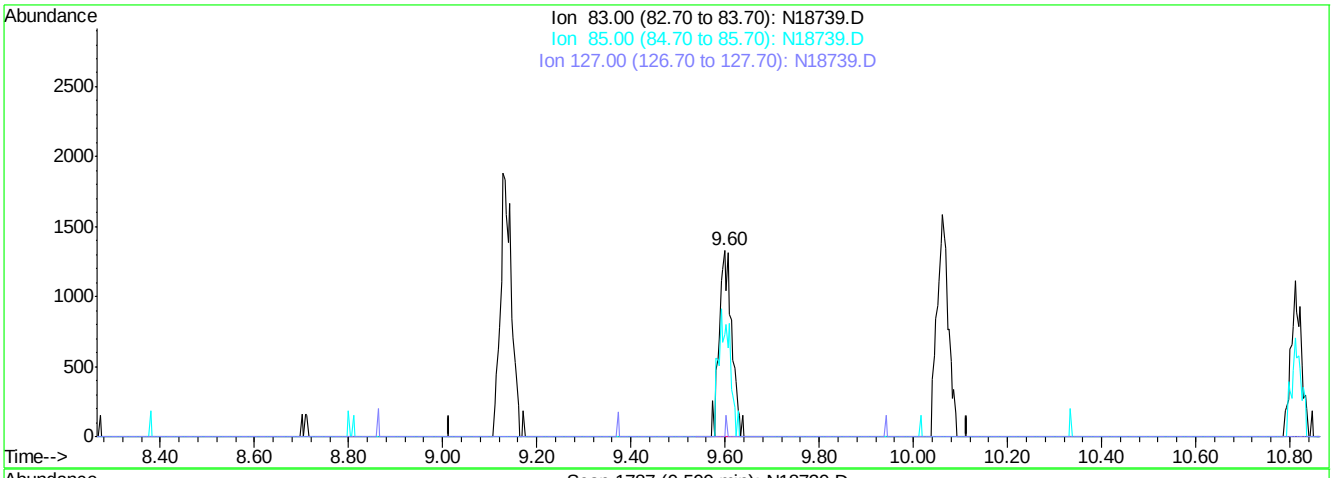
| Ion | Exp% | Act% |
|---|---|---|
| 63.00 | 100 | 100 |
| 112.00 | 3.30 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

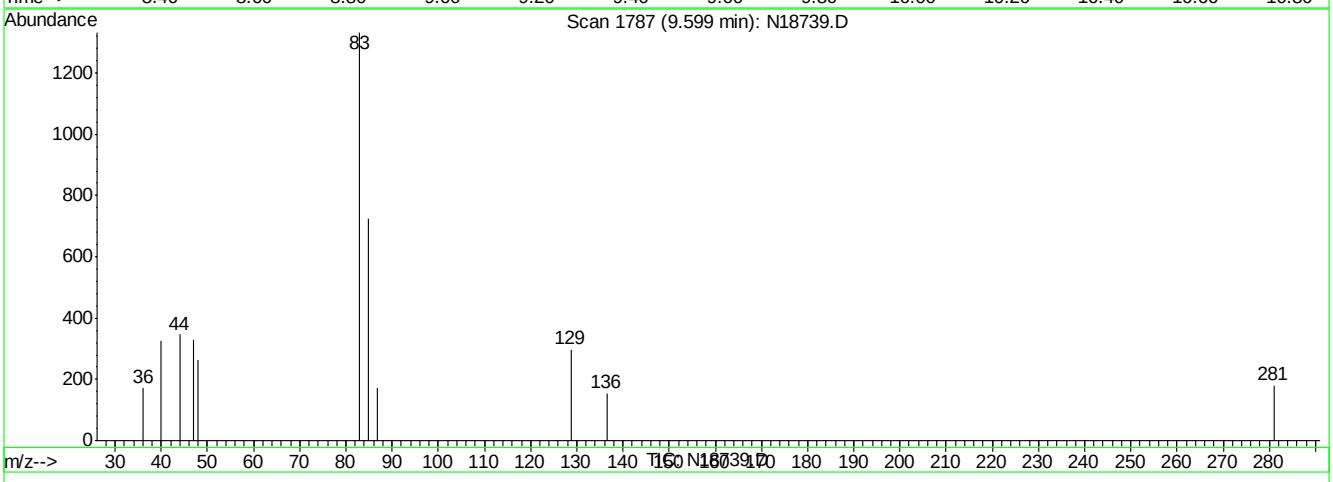
N18739.D N042007W.M Sat Apr 21 13:23:17 2007 RP1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18739.D Vial: 23
Acq On : 20 Apr 2007 6:41 pm Operator: alit
Sample : ic678-1 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:23 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:10:39 2007
Response via : Multiple Level Calibration




(54) bromodichloromethane (M)

9.60min 1.00ug/L m

response 2463

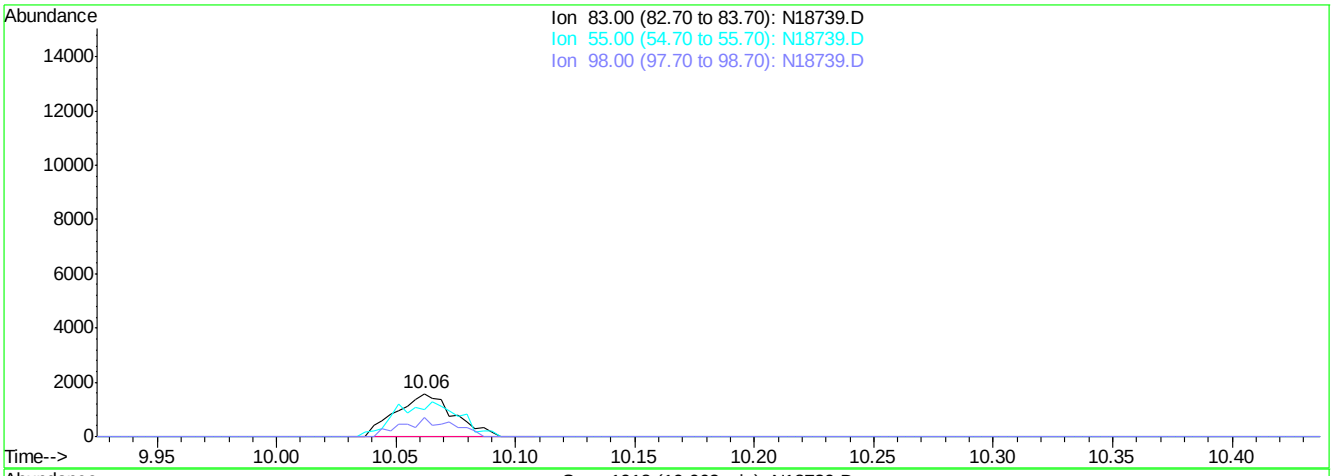
| Ion | Exp% | Act% |
|---|---|---|
| 83.00 | 100 | 100 |
| 85.00 | 61.70 | 54.50 |
| 127.00 | 9.10 | 0.00 |
| 0.00 | 0.00 | 0.00 |

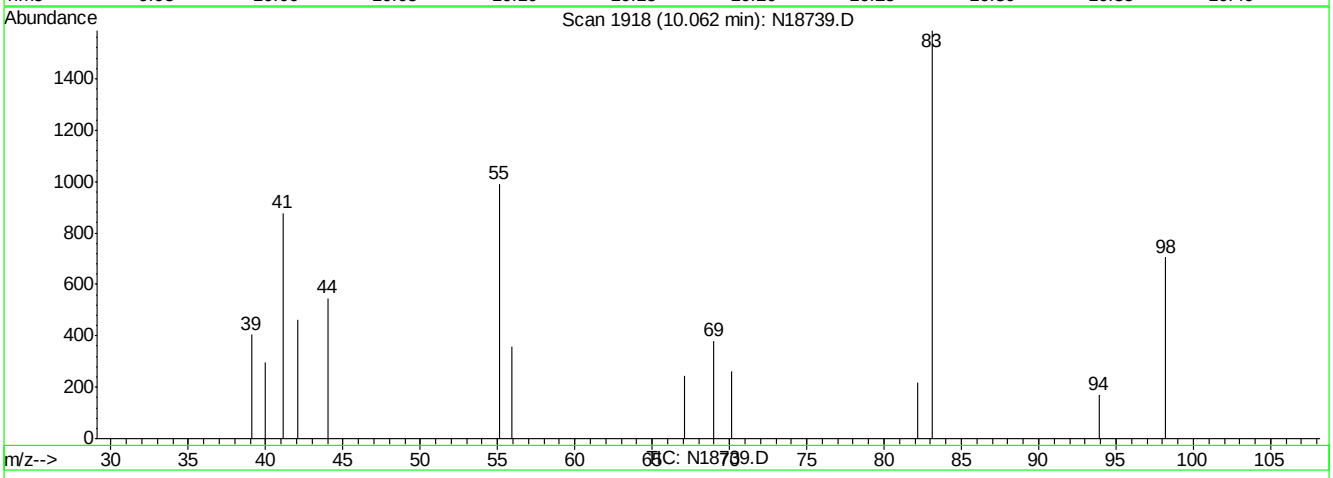
N18739.D N042007W.M Sat Apr 21 13:23:22 2007 RP1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18739.D  Vial: 23
Acq On : 20 Apr 2007 6:41 pm  Operator: alit
Sample : ic678-1  Inst : MAMSN
Misc : ms13382,msn678,,,,5,1  Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:23 2007  Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:10:39 2007
Response via : Multiple Level Calibration




(55) Methylcyclohexane (M)

10.06min 1.20ug/L m

response 2642

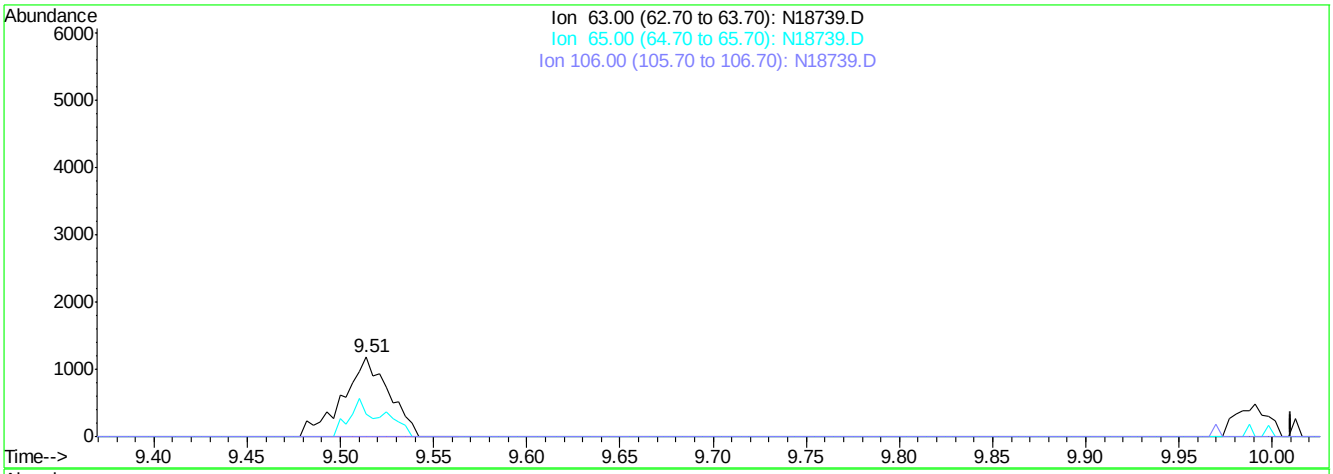
| Ion | Exp% | Act% |
|---|---|---|
| 83.00 | 100 | 100 |
| 55.00 | 78.80 | 62.51# |
| 98.00 | 44.10 | 44.49 |
| 0.00 | 0.00 | 0.00 |

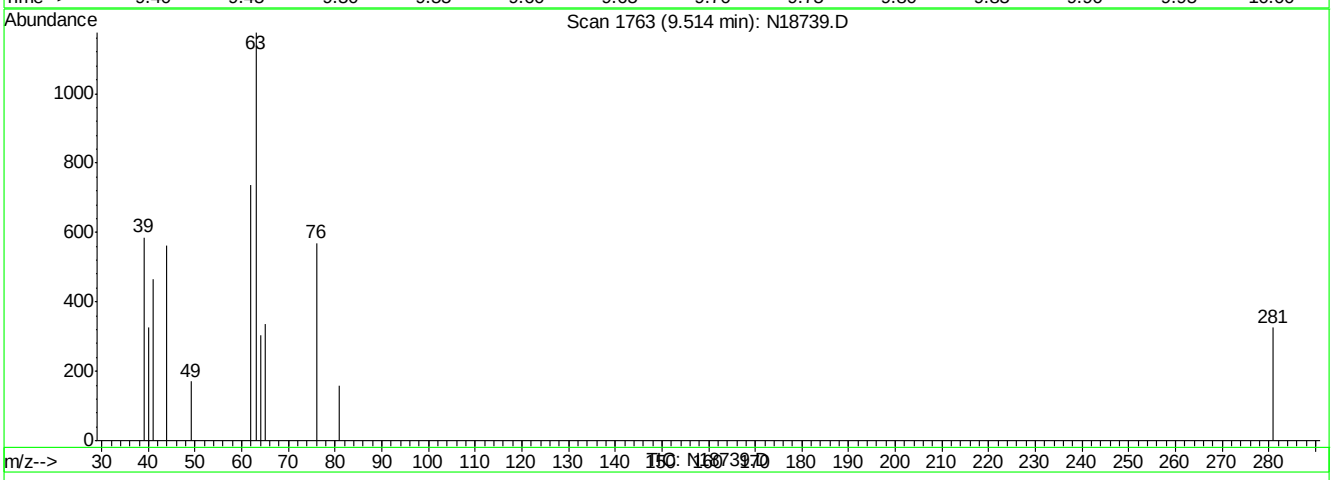
N18739.D N042007W.M Sat Apr 21 13:23:32 2007 RP1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18739.D Vial: 23
Acq On : 20 Apr 2007 6:41 pm Operator: alit
Sample : ic678-1 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:23 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:10:39 2007
Response via : Multiple Level Calibration




(56) 2-chloroethyl vinyl ether (M)

9.51min 1.15ug/L m

response 2011

| Ion | Exp% | Act% |
|---|---|---|
| 63.00 | 100 | 100 |
| 65.00 | 32.70 | 0.00# |
| 106.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

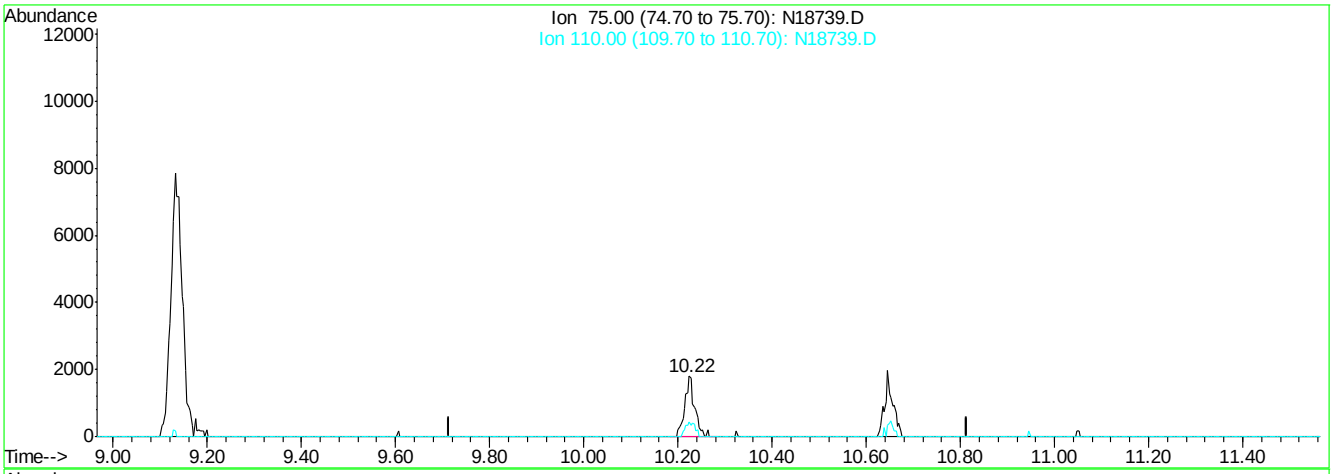
N18739.D N042007W.M Sat Apr 21 13:23:40 2007 RP1

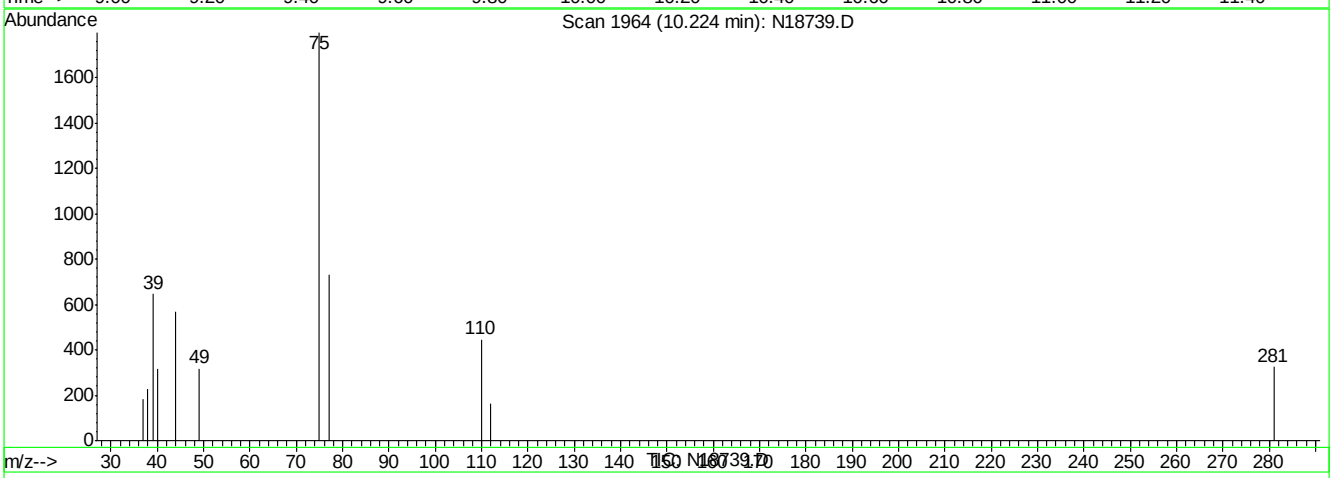
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18739.D Vial: 23
Acq On : 20 Apr 2007 6:41 pm Operator: alit
Sample : ic678-1 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:24 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:10:39 2007
Response via : Multiple Level Calibration






(59) cis-1,3-dichloropropene (M)

10.22min 1.00ug/L m

response 2621

| Ion | Exp% | Act% |
|---|---|---|
| 75.00 | 100 | 100 |
| 110.00 | 24.40 | 24.86 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

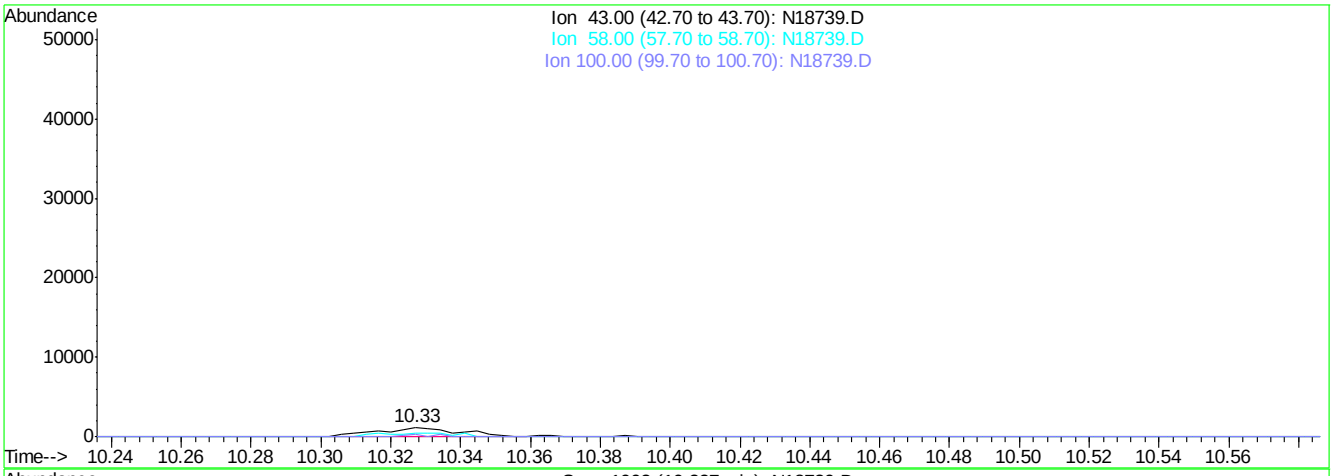
N18739.D N042007W.M Sat Apr 21 13:24:11 2007 RP1

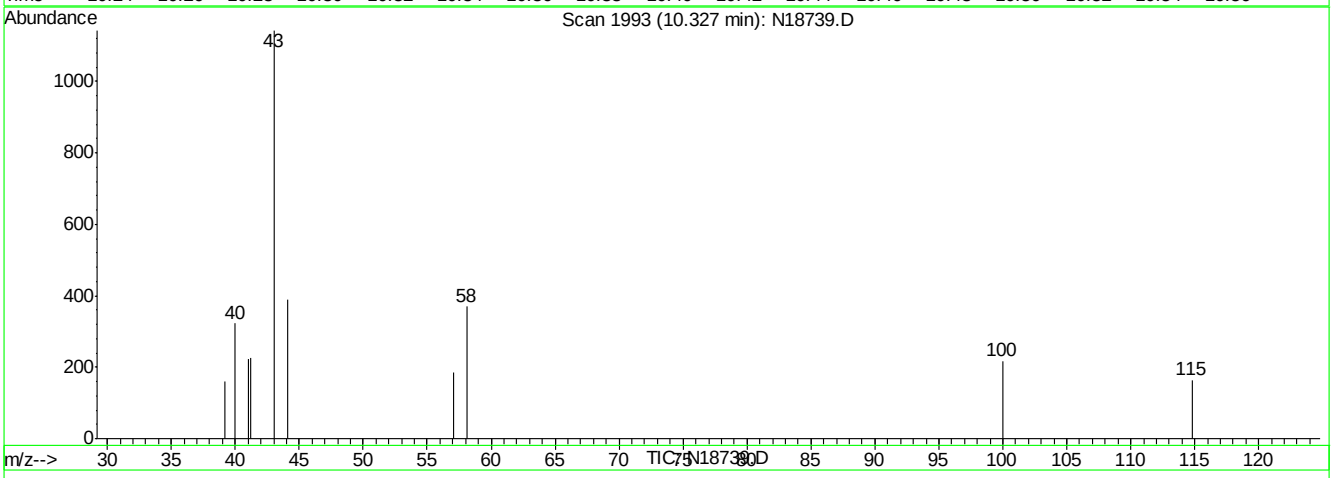
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18739.D Vial: 23
Acq On : 20 Apr 2007 6:41 pm Operator: alit
Sample : ic678-1 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:24 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:10:39 2007
Response via : Multiple Level Calibration






(61) 4-methyl-2-pentanone (M)

10.33min 0.90ug/L m

response 1794

| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 58.00 | 37.30 | 0.00# |
| 100.00 | 12.10 | 0.00 |
| 0.00 | 0.00 | 0.00 |

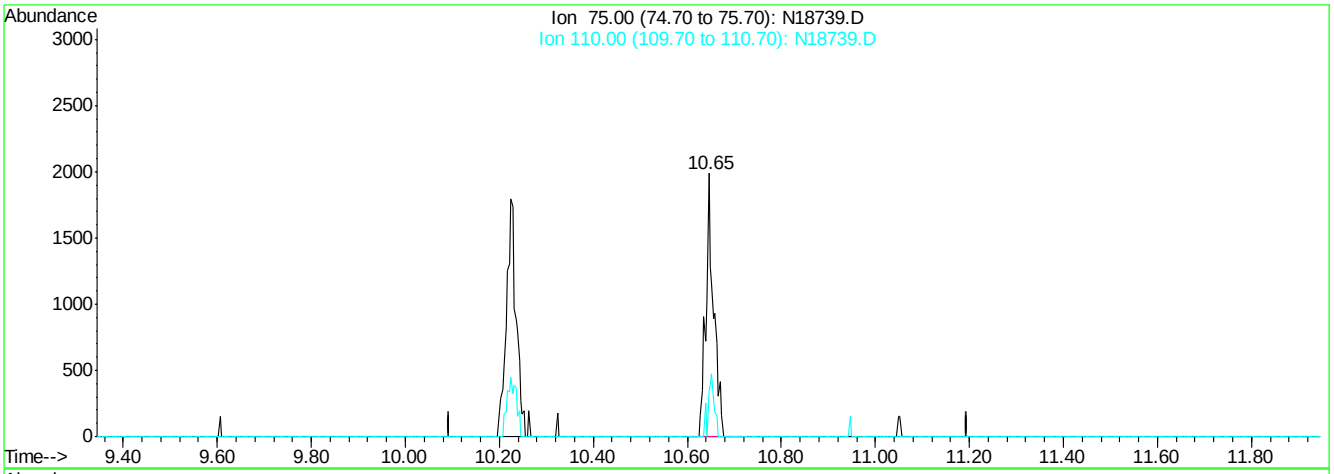
N18739.D N042007W.M Sat Apr 21 13:24:20 2007 RP1

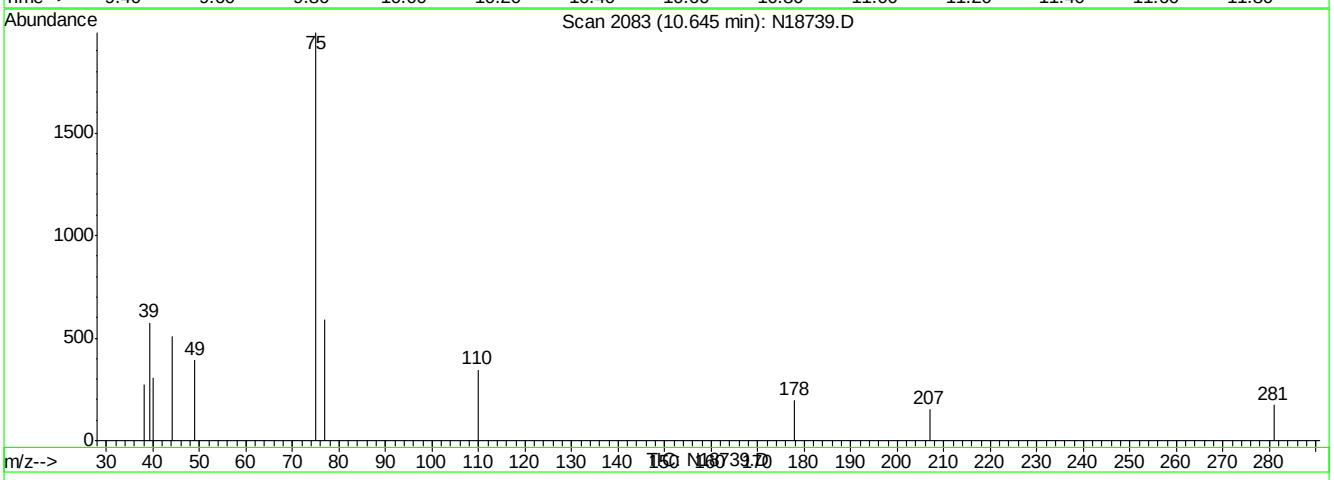
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18739.D Vial: 23
Acq On : 20 Apr 2007 6:41 pm Operator: alit
Sample : ic678-1 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:27 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:10:39 2007
Response via : Multiple Level Calibration






(63) trans-1,3-dichloropropene (M)

10.65min 0.99ug/L m

response 2338

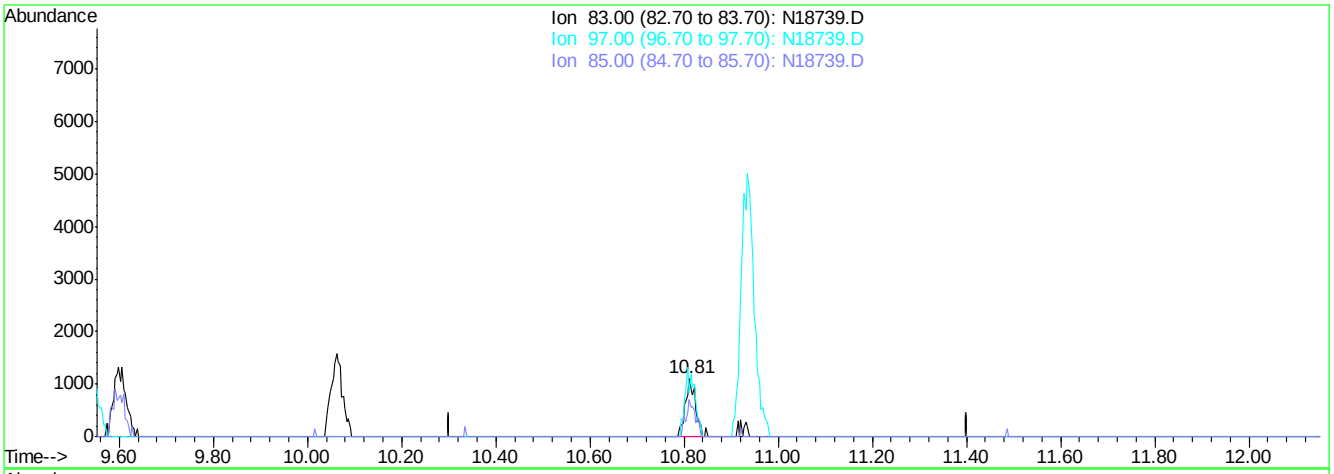
| Ion | Exp% | Act% |
|---|---|---|
| 75.00 | 100 | 100 |
| 110.00 | 26.20 | 17.45 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

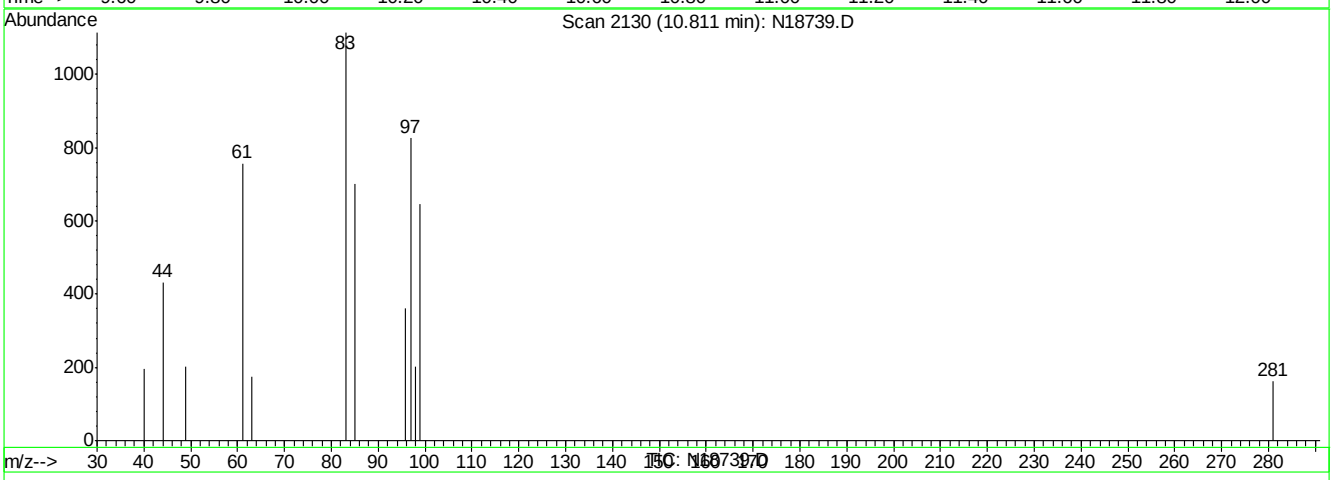
N18739.D N042007W.M Sat Apr 21 13:27:40 2007 RP1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18739.D Vial: 23
Acq On : 20 Apr 2007 6:41 pm Operator: alit
Sample : ic678-1 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:27 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:10:39 2007
Response via : Multiple Level Calibration




(64) 1,1,2-trichloroethane (M)

10.81min 1.06ug/L m

response 1675

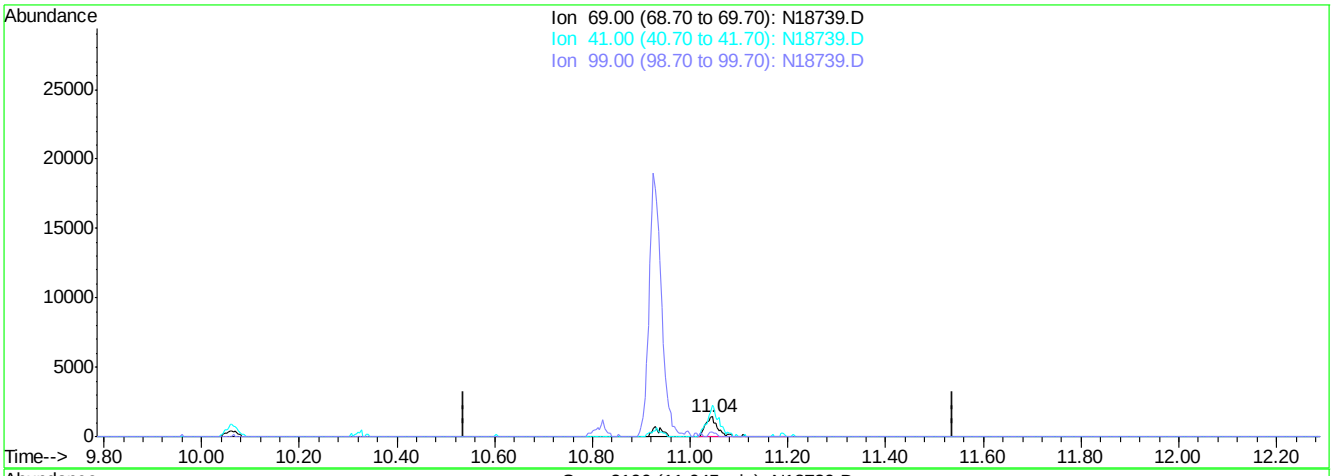
| Ion | Exp% | Act% |
|---|---|---|
| 83.00 | 100 | 100 |
| 97.00 | 115.60 | 74.06# |
| 85.00 | 61.60 | 63.02 |
| 0.00 | 0.00 | 0.00 |

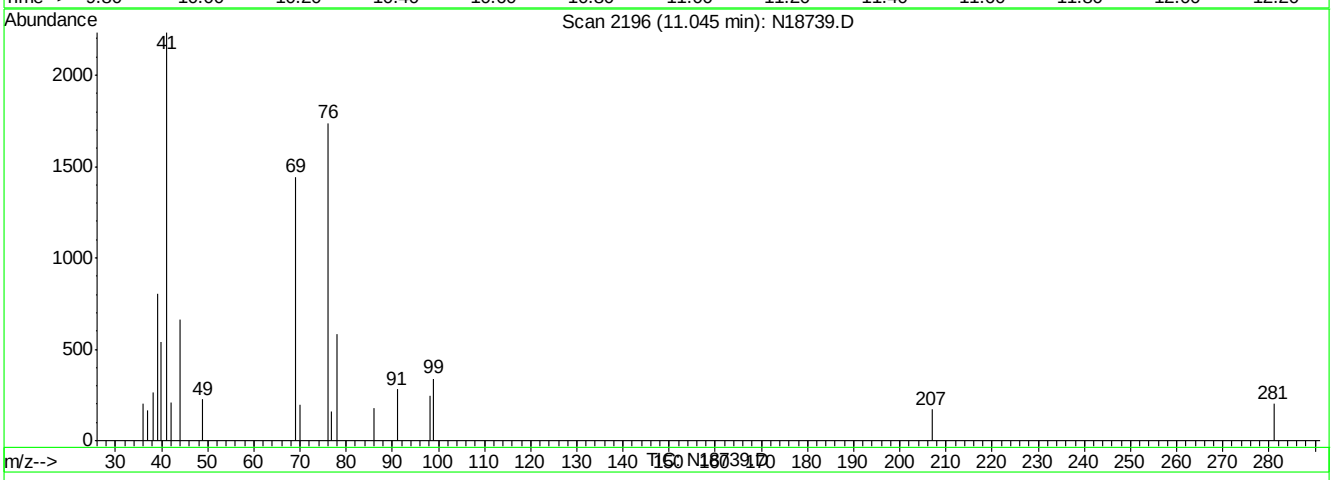
N18739.D N042007W.M Sat Apr 21 13:27:45 2007 RP1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18739.D Vial: 23
Acq On : 20 Apr 2007 6:41 pm Operator: alit
Sample : ic678-1 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:27 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:10:39 2007
Response via : Multiple Level Calibration




(65) ethyl methacrylate (M)

11.04min 0.98ug/L m

response 2390

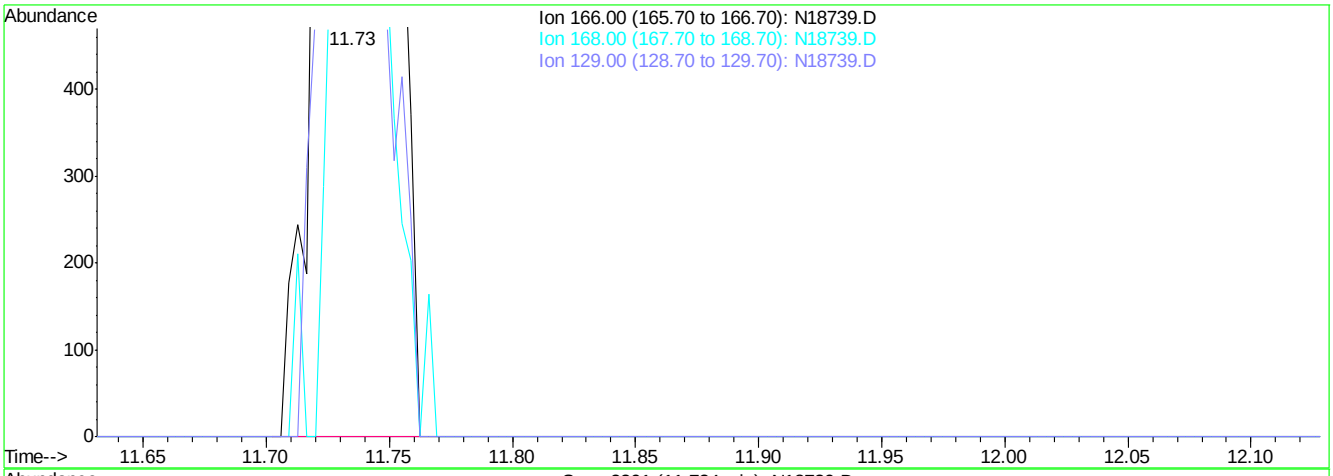
| Ion | Exp% | Act% |
|---|---|---|
| 69.00 | 100 | 100 |
| 41.00 | 108.40 | 154.64# |
| 99.00 | 18.50 | 23.41 |
| 0.00 | 0.00 | 0.00 |

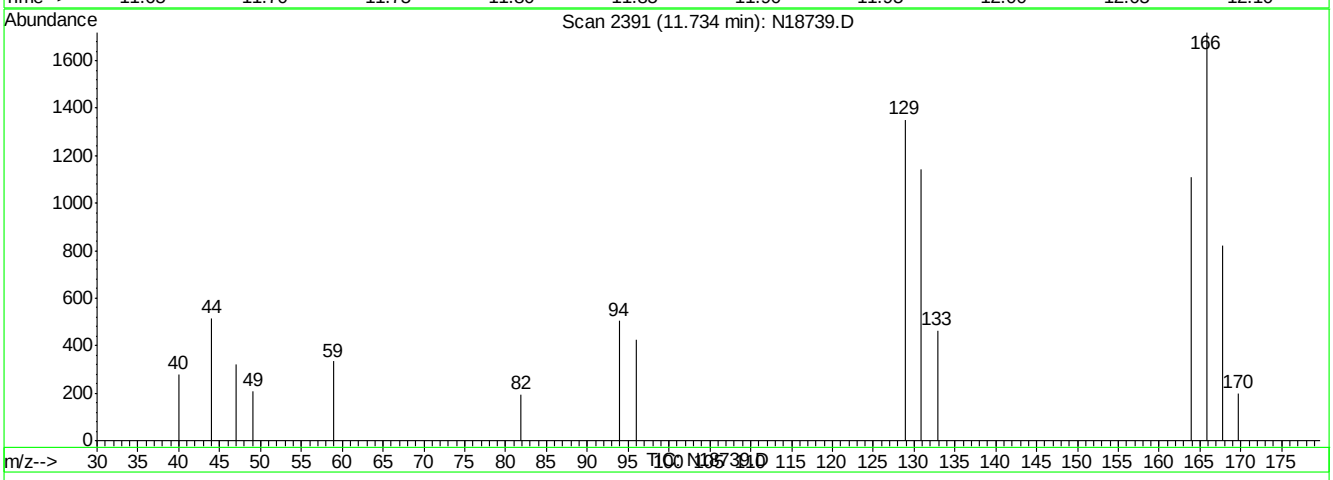
N18739.D N042007W.M Sat Apr 21 13:27:51 2007 RP1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18739.D Vial: 23
Acq On : 20 Apr 2007 6:41 pm Operator: alit
Sample : ic678-1 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:27 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:10:39 2007
Response via : Multiple Level Calibration




(67) tetrachloroethene (M)

11.73min 1.23ug/L m

response 2924

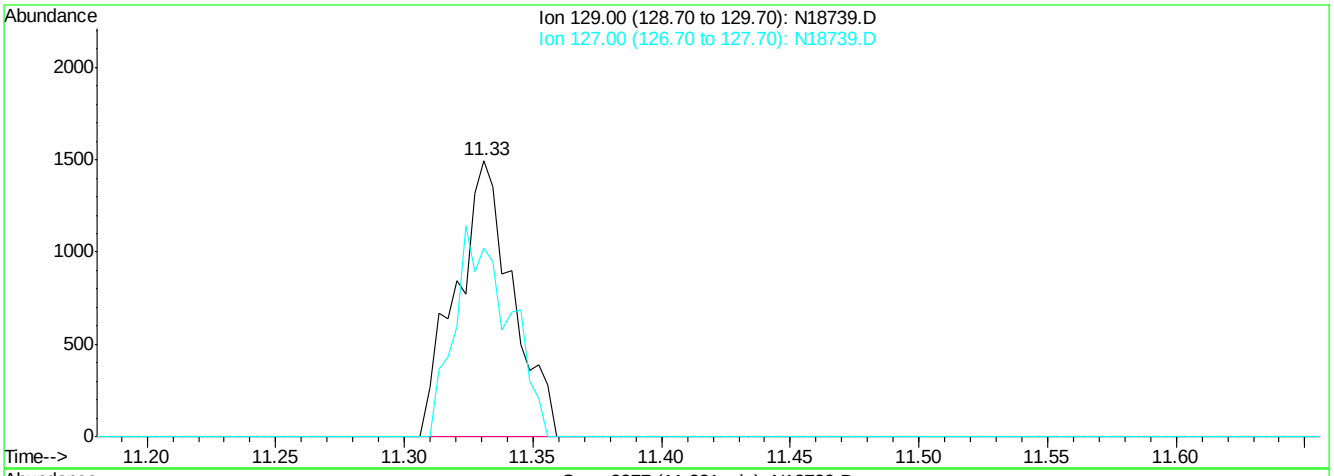
| Ion | Exp% | Act% |
|---|---|---|
| 166.00 | 100 | 100 |
| 168.00 | 46.30 | 47.73 |
| 129.00 | 63.00 | 78.64 |
| 0.00 | 0.00 | 0.00 |

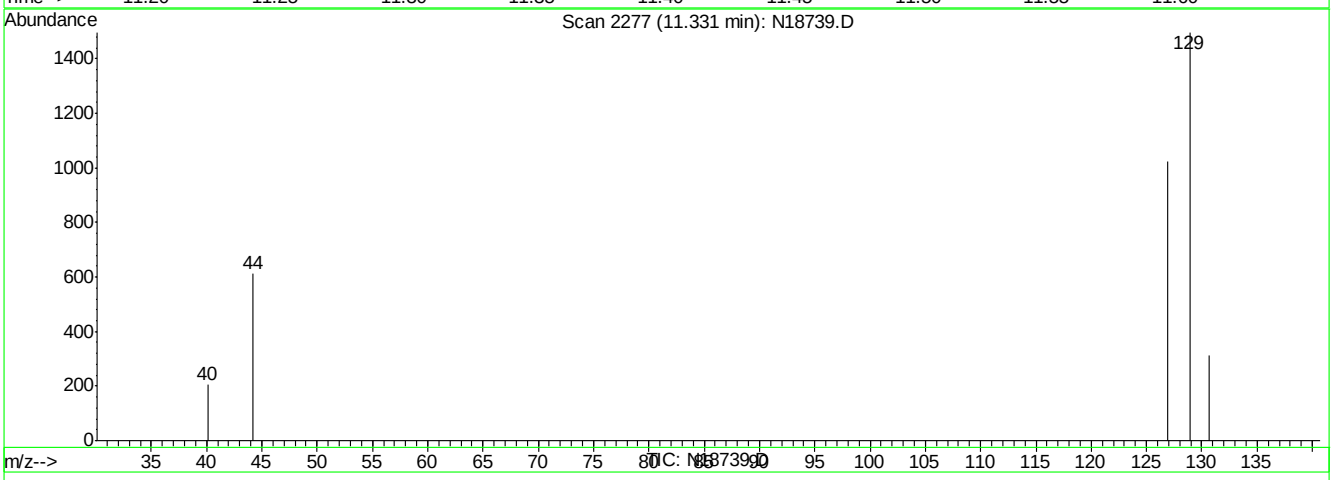
N18739.D N042007W.M Sat Apr 21 13:27:59 2007 RP1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18739.D Vial: 23
Acq On : 20 Apr 2007 6:41 pm Operator: alit
Sample : ic678-1 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:28 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:10:39 2007
Response via : Multiple Level Calibration




(69) dibromochloromethane (M)

11.33min 1.02ug/L m

response 2261

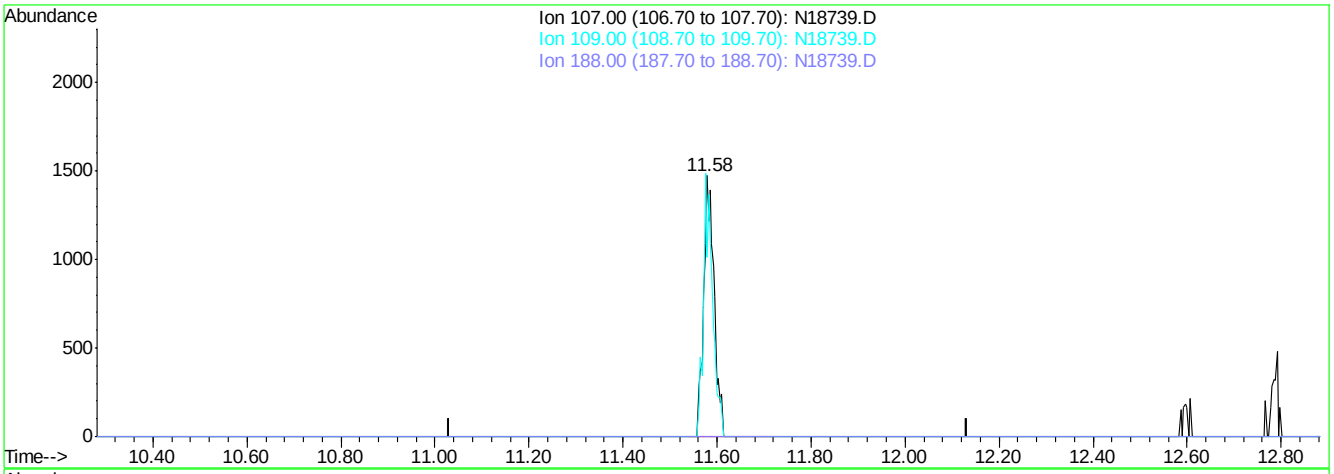
| Ion | Exp% | Act% |
|---|---|---|
| 129.00 | 100 | 100 |
| 127.00 | 74.70 | 68.32 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

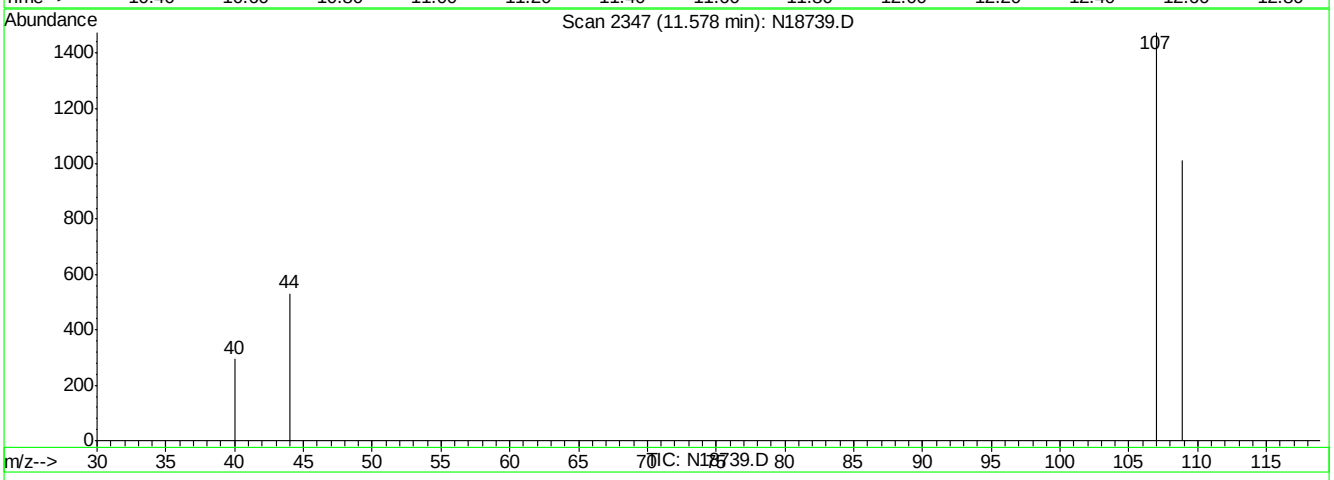
N18739.D N042007W.M Sat Apr 21 13:28:08 2007 RP1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18739.D Vial: 23
Acq On : 20 Apr 2007 6:41 pm Operator: alit
Sample : ic678-1 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:28 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:10:39 2007
Response via : Multiple Level Calibration




(70) 1,2-dibromoethane (M)

11.58min 1.14ug/L m

response 2322

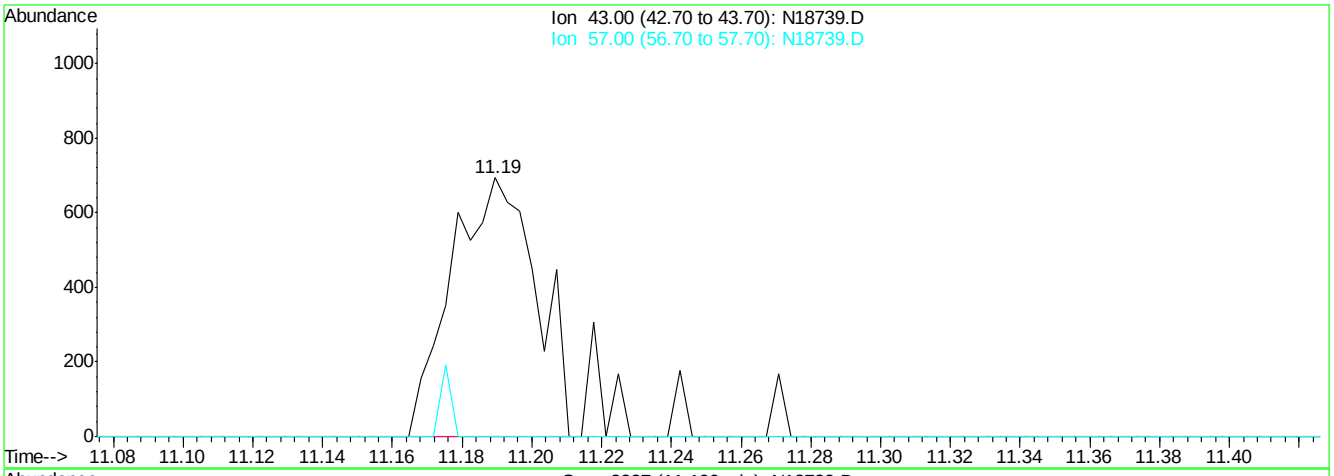
| Ion | Exp% | Act% |
|---|---|---|
| 107.00 | 100 | 100 |
| 109.00 | 95.10 | 68.72 |
| 188.00 | 4.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

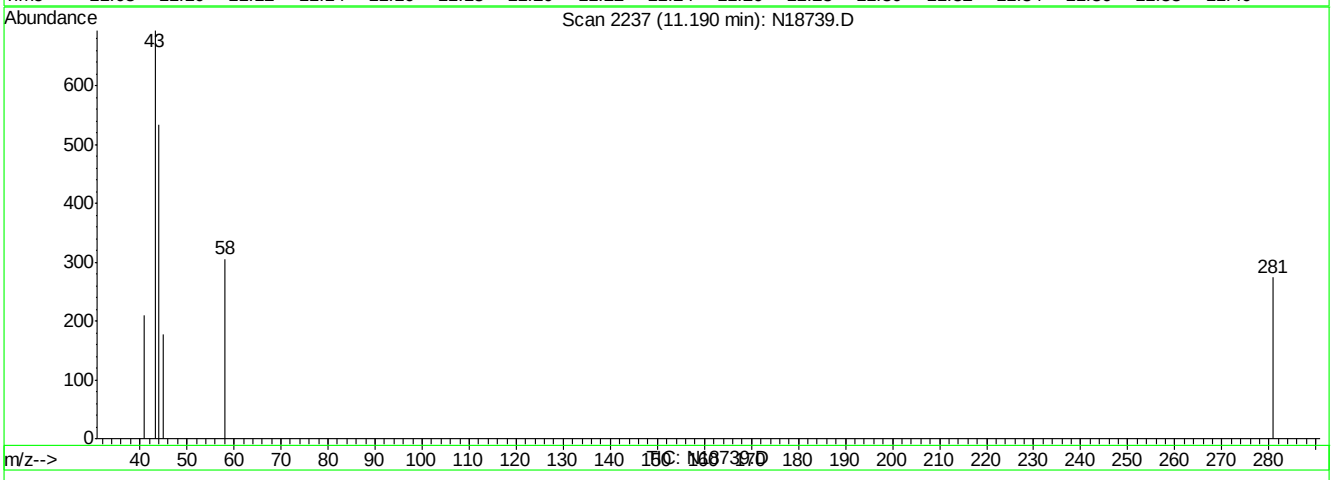
N18739.D N042007W.M Sat Apr 21 13:28:13 2007 RP1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18739.D Vial: 23
Acq On : 20 Apr 2007 6:41 pm Operator: alit
Sample : ic678-1 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:28 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:10:39 2007
Response via : Multiple Level Calibration




(71) 2-hexanone (M)

11.19min 0.82ug/L m

response 1167

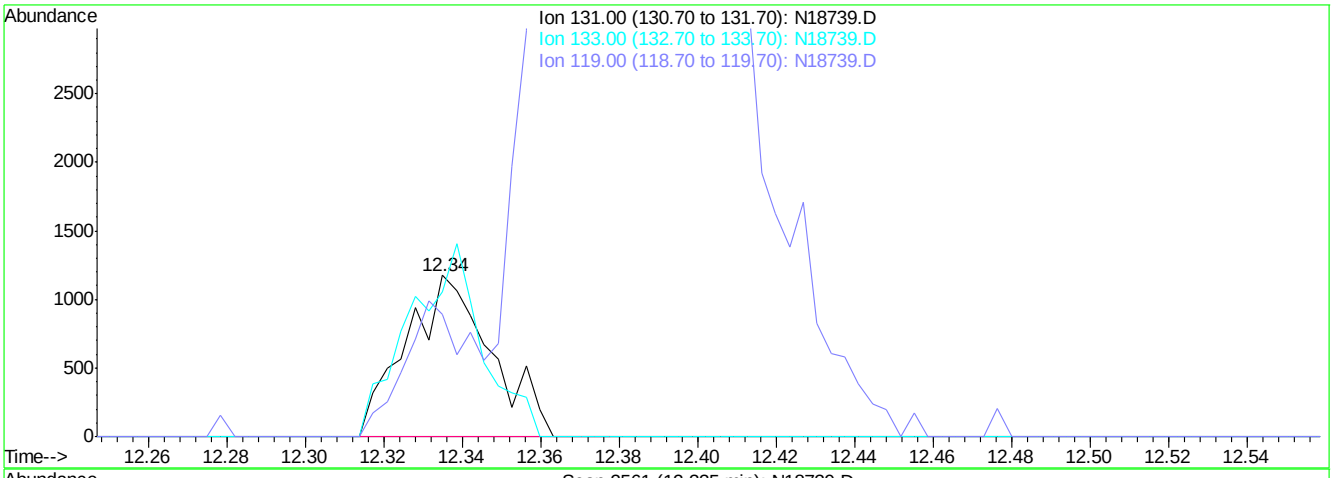
| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 57.00 | 15.80 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

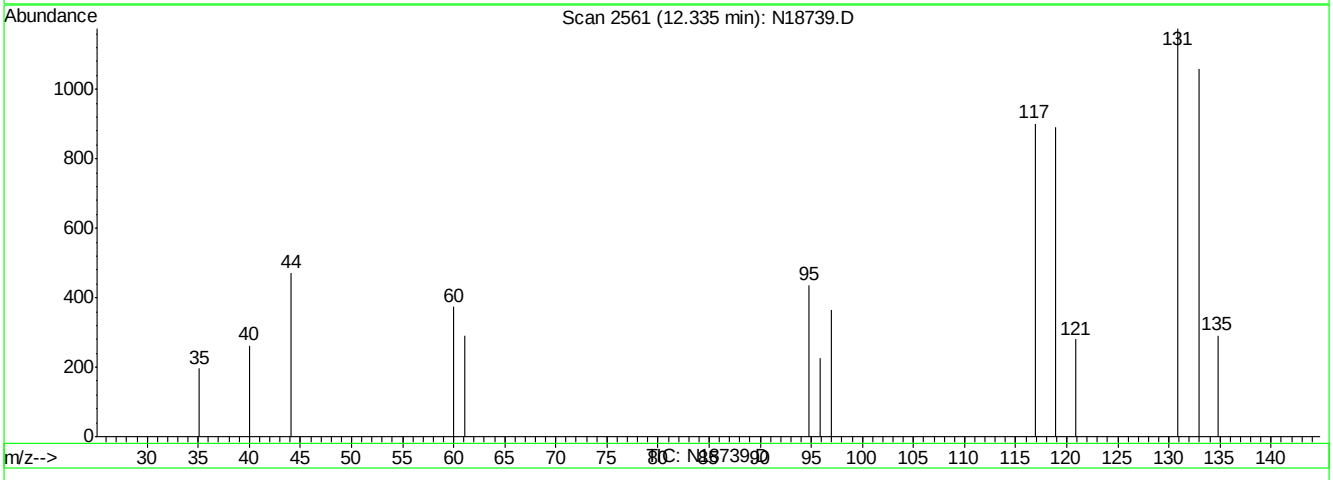
N18739.D N042007W.M Sat Apr 21 13:28:20 2007 RP1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18739.D Vial: 23
Acq On : 20 Apr 2007 6:41 pm Operator: alit
Sample : ic678-1 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:28 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:10:39 2007
Response via : Multiple Level Calibration




(73) 1,1,1,2-tetrachloroethane (M)

12.34min 0.94ug/L m

response 1763

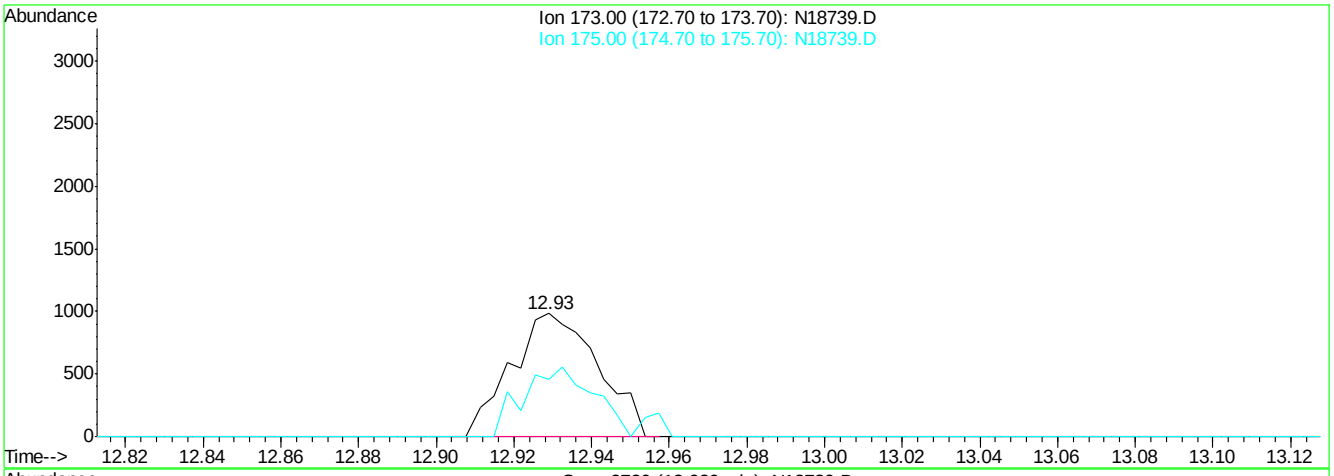
| Ion | Exp% | Act% |
|---|---|---|
| 131.00 | 100 | 100 |
| 133.00 | 98.40 | 90.13 |
| 119.00 | 69.30 | 75.83 |
| 0.00 | 0.00 | 0.00 |

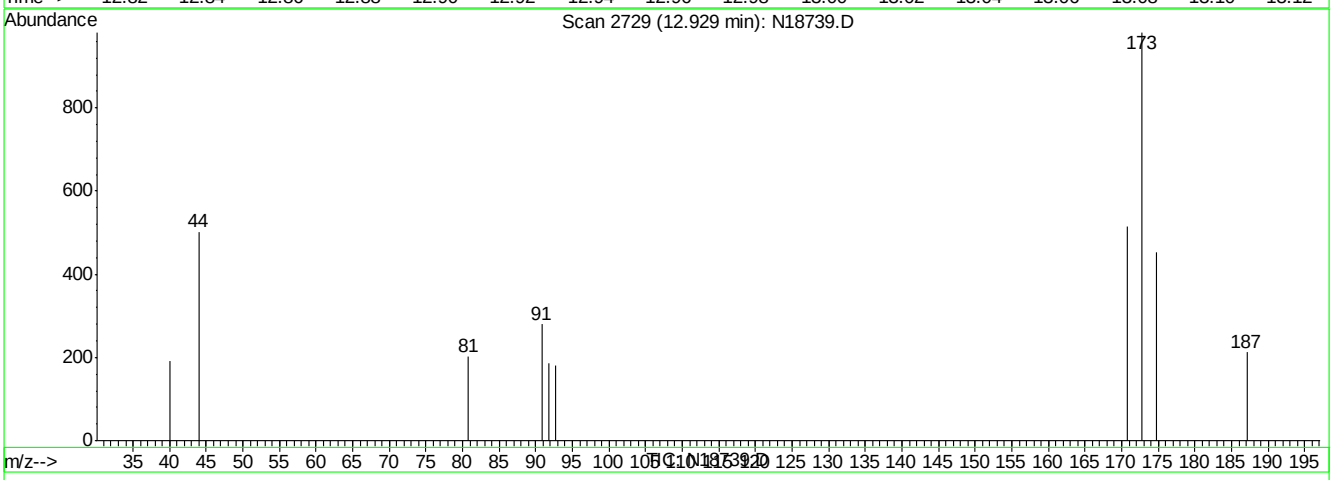
N18739.D N042007W.M Sat Apr 21 13:28:34 2007 RP1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18739.D Vial: 23
Acq On : 20 Apr 2007 6:41 pm Operator: alit
Sample : ic678-1 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:28 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:10:39 2007
Response via : Multiple Level Calibration




(78) bromoform (P)

12.93min 5.86ug/L m

response 1527

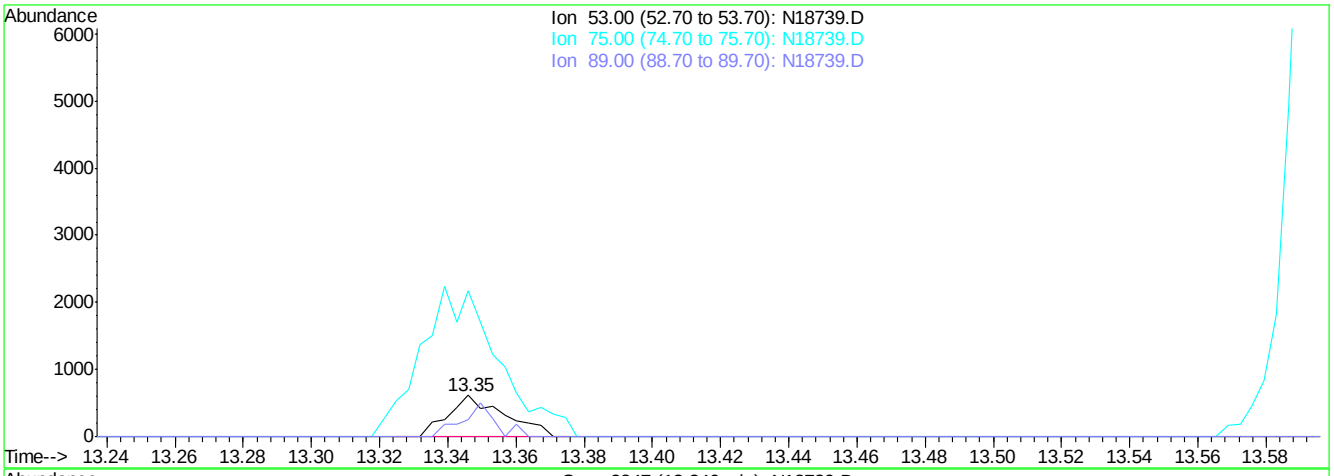
| Ion | Exp% | Act% |
|---|---|---|
| 173.00 | 100 | 100 |
| 175.00 | 48.90 | 46.28 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

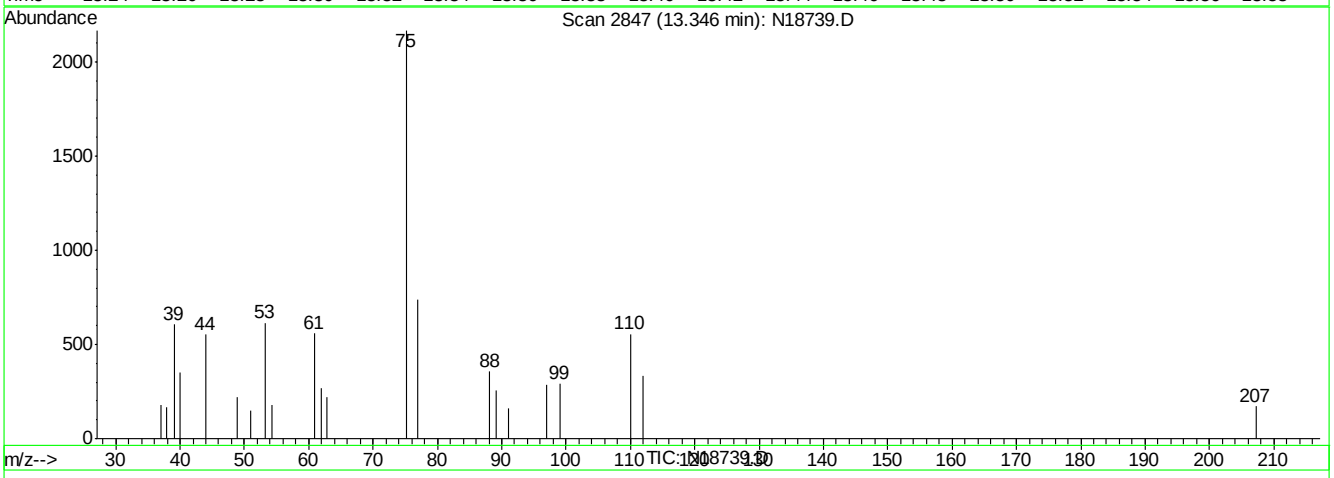
N18739.D N042007W.M Sat Apr 21 13:28:47 2007 RP1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18739.D Vial: 23
Acq On : 20 Apr 2007 6:41 pm Operator: alit
Sample : ic678-1 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:28 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:10:39 2007
Response via : Multiple Level Calibration




(79) trans-1,4-dichloro-2-butene (M)

13.35min 0.97ug/L m

response 707

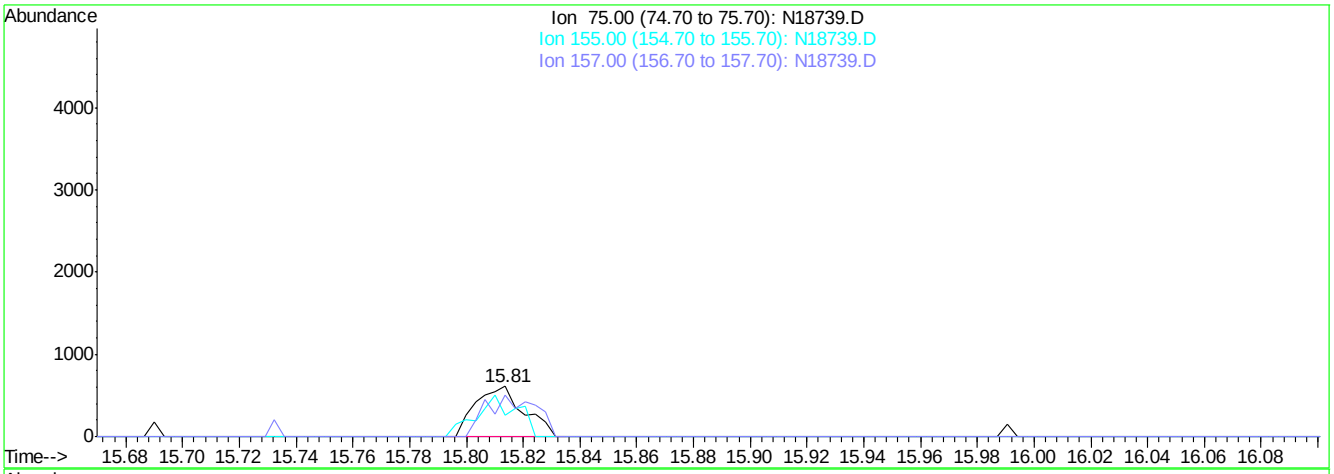
| Ion | Exp% | Act% |
|---|---|---|
| 53.00 | 100 | 100 |
| 75.00 | 362.30 | 352.36 |
| 89.00 | 73.80 | 41.63# |
| 0.00 | 0.00 | 0.00 |

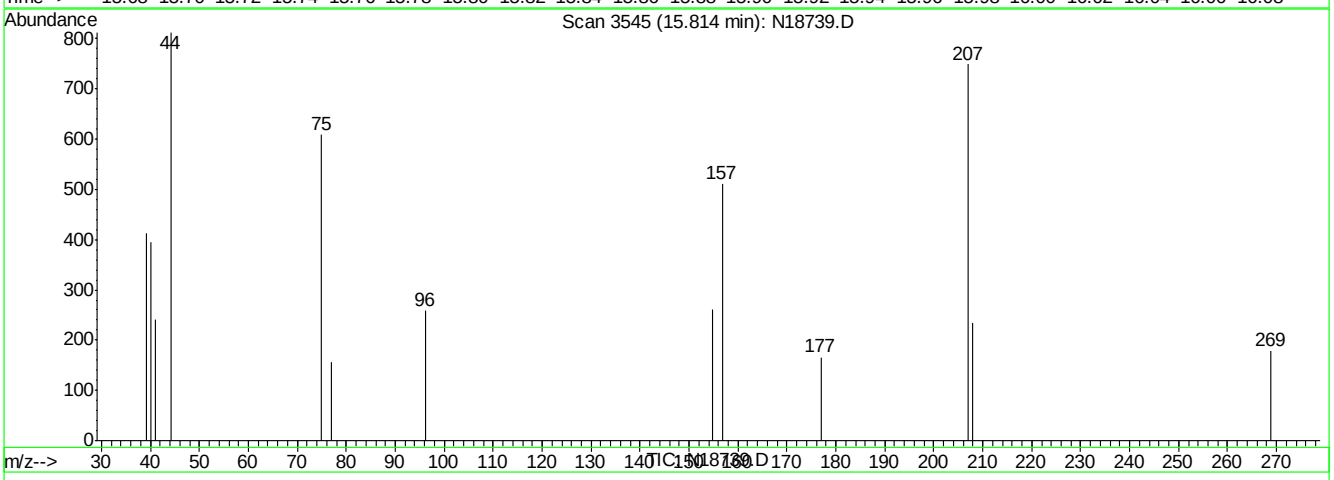
N18739.D N042007W.M Sat Apr 21 13:28:57 2007 RP1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18739.D Vial: 23
Acq On : 20 Apr 2007 6:41 pm Operator: alit
Sample : ic678-1 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:29 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:10:39 2007
Response via : Multiple Level Calibration




(99) 1,2-dibromo-3-chloropropane (M)

15.81min 1.30ug/L m

response 724

| Ion | Exp% | Act% |
|---|---|---|
| 75.00 | 100 | 100 |
| 155.00 | 104.10 | 43.02# |
| 157.00 | 143.30 | 83.74# |
| 0.00 | 0.00 | 0.00 |

N18739.D N042007W.M Sat Apr 21 13:29:18 2007 RP1

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 04/23/07 14:08

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18740.D Vial: 24
Acq On : 20 Apr 2007 7:09 pm Operator: alit
Sample : ic678-0.5 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 12:42:48 2007 Quant Results File: N042007W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 12:40:56 2007
Response via : Initial Calibration
DataAcq Meth : N8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 5.85 | 65 | 93550 | 500.00 | ug/L | 0.00 |
| 3) pentafluorobenzene | 8.27 | 168 | 203557 | 50.00 | ug/L | 0.00 |
| 43) 1,4-difluorobenzene | 9.14 | 114 | 280573 | 50.00 | ug/L | 0.00 |
| 66) chlorobenzene-d5 | 12.38 | 82 | 141621 | 50.00 | ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 14.94 | 152 | 173336 | 50.00 | ug/L | 0.00 |

System Monitoring Compounds

| | | | | | | |
|---|---|---|---|---|---|---|
| 40) dibromofluoromethane (s) | 7.91 | 113 | 98814 | 51.12 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 84 - 129 | | Recovery = 102.24% | | | |
| 60) toluene-d8 (s) | 10.93 | 98 | 347747 | 49.36 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 98.72% | | | |
| 82) bromofluorobenzene (s) | 13.61 | 95 | 142922 | 52.15 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 82 - 118 | | Recovery = 104.30% | | | |

Target Compounds

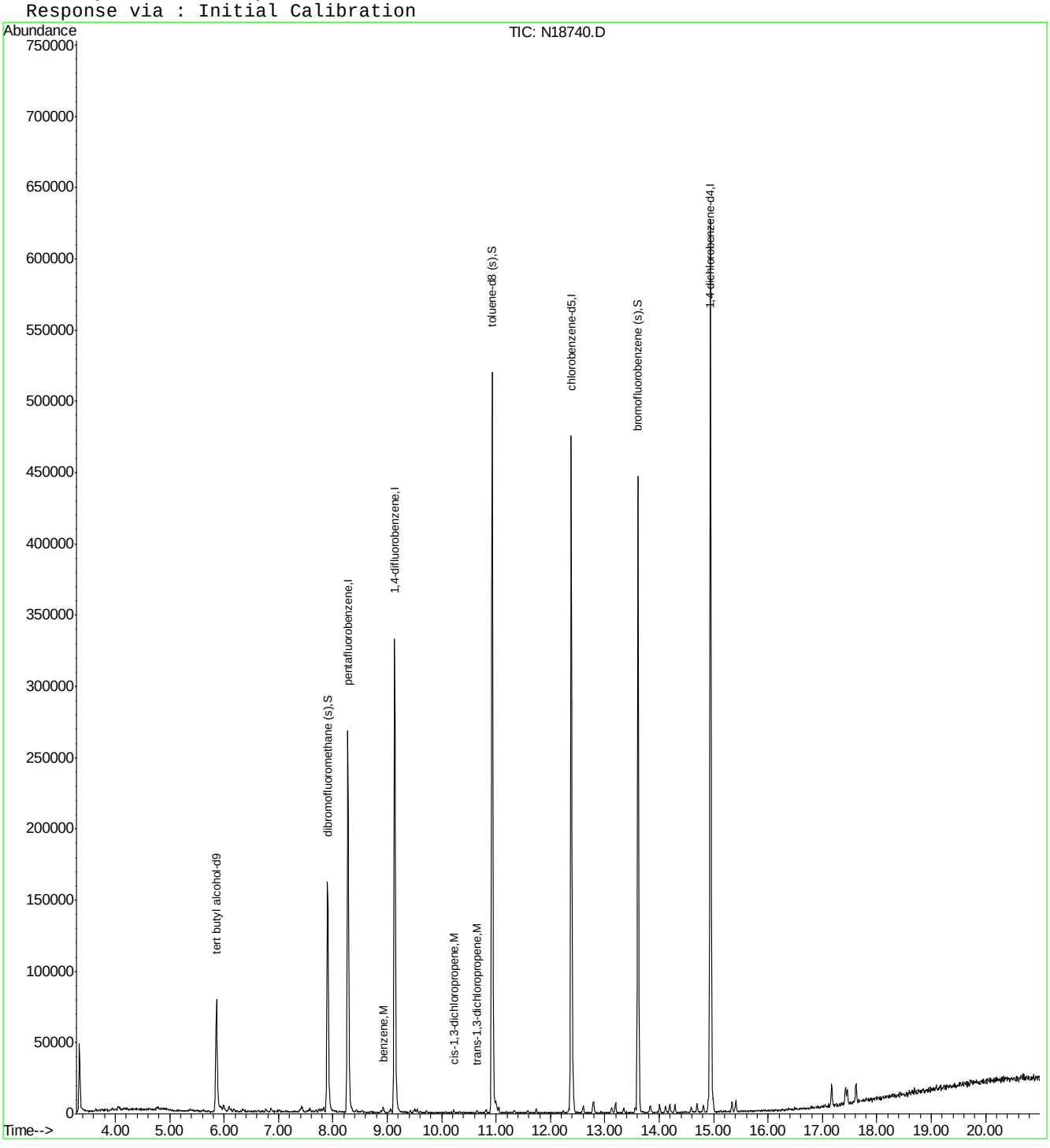
| | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 47) benzene | 8.92 | 78 | 3379 | 0.51 | ug/L | 92 |
| 59) cis-1,3-dichloropropene | 10.22 | 75 | 1084m | 0.43 | ug/L | |
| 63) trans-1,3-dichloropropene | 10.65 | 75 | 1008m | 0.44 | ug/L | |
| 96) 1,4-dichlorobenzene | 14.97 | 146 | 4578 | Below Cal | | 91 |
| 103) 1,2,3-trichlorobenzene | 17.62 | 180 | 4704 | Below Cal | | 94 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed
N18740.D N042007W.M Sat Apr 21 13:53:30 2007 RP1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18740.D Vial: 24
Acq On : 20 Apr 2007 7:09 pm Operator: alit
Sample : ic678-0.5 Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:31 2007 Quant Results File: N042007W.RES

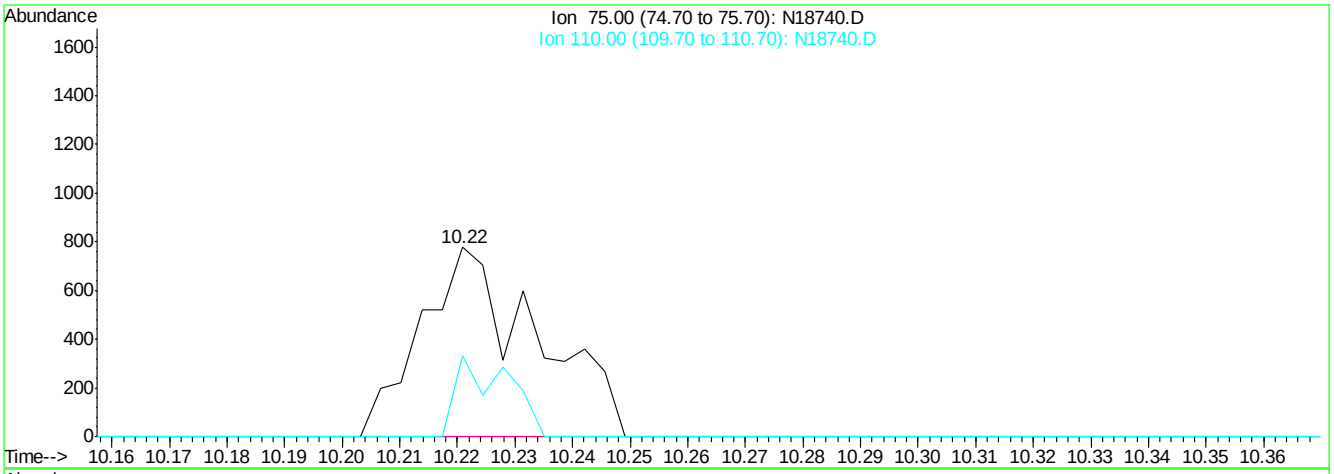
Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:51:39 2007
Response via : Initial Calibration

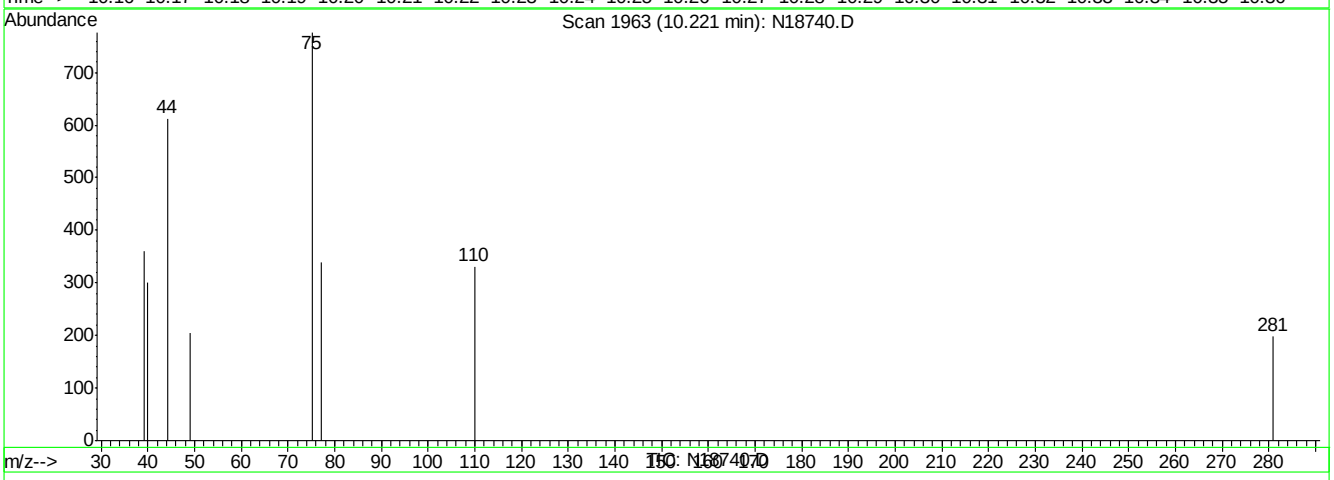


Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18740.D  Vial: 24
Acq On : 20 Apr 2007 7:09 pm  Operator: alit
Sample : ic678-0.5  Inst : MAMSN
Misc : ms13382,msn678,,,,5,1  Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:31 2007  Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:29:43 2007
Response via : Multiple Level Calibration




(59) cis-1,3-dichloropropene (M)

10.22min 0.43ug/L m

response 1084

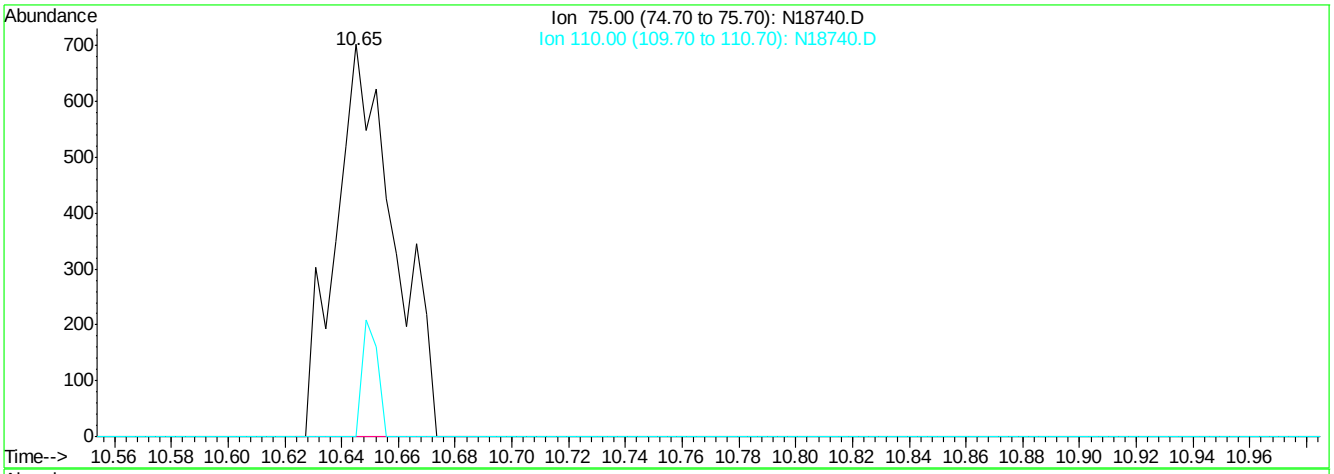
| Ion | Exp% | Act% |
|---|---|---|
| 75.00 | 100 | 100 |
| 110.00 | 24.40 | 42.65 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

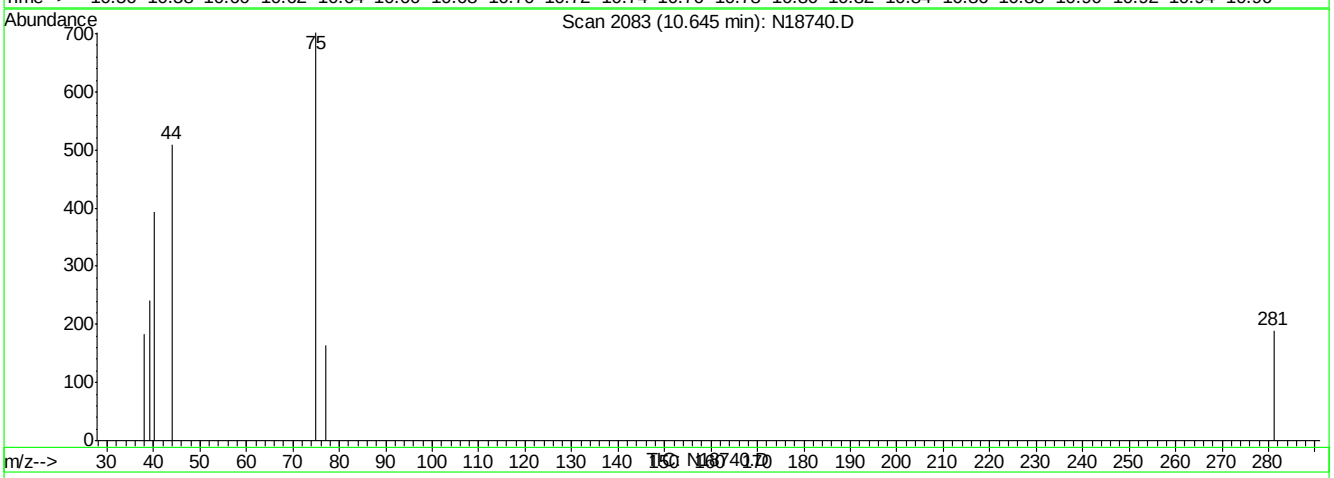
N18740.D N042007W.M Sat Apr 21 13:31:21 2007 RP1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N18740.D  Vial: 24
Acq On : 20 Apr 2007 7:09 pm  Operator: alit
Sample : ic678-0.5  Inst : MAMSN
Misc : ms13382,msn678,,,,5,1  Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:31 2007  Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:29:43 2007
Response via : Multiple Level Calibration




(63) trans-1,3-dichloropropene (M)

10.65min 0.44ug/L m

response 1008

| Ion | Exp% | Act% |
|---|---|---|
| 75.00 | 100 | 100 |
| 110.00 | 26.20 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

N18740.D N042007W.M Sat Apr 21 13:31:49 2007 RP1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18741.D Vial: 25
Acq On : 20 Apr 2007 7:37 pm Operator: alit
Sample : BS Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:53:42 2007 Quant Results File: N042007W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:51:39 2007
Response via : Initial Calibration
DataAcq Meth : N8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 5.86 | 65 | 83480 | 500.00 | ug/L | 0.00 |
| 3) pentafluorobenzene | 8.28 | 168 | 203199 | 50.00 | ug/L | 0.00 |
| 43) 1,4-difluorobenzene | 9.14 | 114 | 281634 | 50.00 | ug/L | 0.00 |
| 66) chlorobenzene-d5 | 12.38 | 82 | 149268 | 50.00 | ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 14.94 | 152 | 191604 | 50.00 | ug/L | 0.00 |

System Monitoring Compounds

| | | | | | | |
|---|---|---|---|---|---|---|
| 40) dibromofluoromethane (s) | 7.90 | 113 | 98887 | 51.25 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 84 - 129 | | Recovery = 102.50% | | | |
| 60) toluene-d8 (s) | 10.93 | 98 | 352674 | 49.87 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 99.74% | | | |
| 82) bromofluorobenzene (s) | 13.61 | 95 | 150687 | 49.74 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 82 - 118 | | Recovery = 99.48% | | | |

Target Compounds

| | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 2) tertiary butyl alcohol | 5.94 | 59 | 99001 | 462.62 | ug/L | 100 |
| 4) Ethanol | 4.78 | 45 | 96900 | 4663.00 | ug/L | 99 |
| 5) dichlorodifluoromethane | 3.71 | 85 | 42268 | 34.81 | ug/L | 98 |
| 6) chloromethane | 3.94 | 50 | 74640 | 48.43 | ug/L | 96 |
| 7) vinyl chloride | 4.16 | 62 | 66292 | 52.37 | ug/L | 92 |
| 8) bromomethane | 4.62 | 96 | 41892 | 48.80 | ug/L | 98 |
| 9) chloroethane | 4.77 | 64 | 34057 | 56.48 | ug/L | 94 |
| 10) ethyl ether | 5.61 | 59 | 62045 | 47.76 | ug/L | 98 |
| 11) acetonitrile | 5.37 | 41 | 22076 | 50.35 | ug/L | 96 |
| 12) trichlorofluoromethane | 5.38 | 101 | 106258 | 49.63 | ug/L | 98 |
| 13) freon-113 | 6.13 | 101 | 69421 | 55.99 | ug/L | 95 |
| 14) acrolein | 5.36 | 56 | 75287 | 214.38 | ug/L | 98 |
| 15) 1,1-dichloroethene | 5.94 | 96 | 73993 | 52.11 | ug/L | 98 |
| 16) acetone | 5.49 | 43 | 35044 | 50.11 | ug/L | 96 |
| 17) Methyl Acetate | 6.12 | 43 | 107531 | 41.32 | ug/L | 99 |
| 18) methylene chloride | 6.09 | 84 | 98657 | 52.07 | ug/L | 98 |
| 19) methyl tert butyl ether | 6.86 | 73 | 228014 | 53.19 | ug/L | 97 |
| 20) acrylonitrile | 5.99 | 53 | 204740 | 274.88 | ug/L | 99 |
| 21) allyl chloride | 6.18 | 41 | 95157 | 54.38 | ug/L | 93 |
| 22) trans-1,2-dichloroethene | 6.76 | 96 | 84007 | 50.66 | ug/L | 99 |
| 23) iodomethane | 5.99 | 142 | 115300 | 56.65 | ug/L | 98 |
| 24) carbon disulfide | 6.35 | 76 | 294384 | 62.51 | ug/L | 100 |
| 25) propionitrile | 7.01 | 54 | 14942 | 49.34 | ug/L | 100 |
| 26) vinyl acetate | 7.12 | 43 | 76720 | 22.54 | ug/L | 96 |
| 27) chloroprene | 7.38 | 53 | 101117 | 54.79 | ug/L | 98 |
| 28) di-isopropyl ether | 7.43 | 45 | 275358 | 51.12 | ug/L | 97 |
| 29) methacrylonitrile | 7.53 | 41 | 61235 | 51.71 | ug/L | 94 |
| 30) 2-butanone | 7.42 | 72 | 11769 | 52.00 | ug/L # | 84 |
| 31) Hexane | 7.40 | 41 | 97745 | 54.08 | ug/L | 97 |
| 32) 1,1-dichloroethane | 7.01 | 63 | 147664 | 53.72 | ug/L | 99 |
| 33) tert-butyl ethyl ether | 7.82 | 59 | 247059 | 51.72 | ug/L | 99 |
| 34) isobutyl alcohol | 7.42 | 43 | 214170 | 255.36 | ug/L | 96 |
| 35) 2,2-dichloropropane | 7.86 | 77 | 100243 | 52.25 | ug/L | 97 |
| 36) cis-1,2-dichloroethene | 7.58 | 96 | 94103 | 47.20 | ug/L | 95 |
| 37) ethyl acetate | 7.73 | 43 | 83745 | 79.64 | ug/L | 82 |

(#) = qualifier out of range (m) = manual integration
N18741.D N042007W.M Sat Apr 21 15:11:08 2007 RP1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18741.D Vial: 25
Acq On : 20 Apr 2007 7:37 pm Operator: alit
Sample : BS Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:53:42 2007 Quant Results File: N042007W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:51:39 2007
Response via : Initial Calibration
DataAcq Meth : N8260

| Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|
| 38) bromochloromethane | 7.74 | 128 | 49265 | 52.62 ug/L | 94 |
| 39) chloroform | 7.78 | 83 | 155130 | 52.73 ug/L | 95 |
| 41) Tetrahydrofuran | 8.11 | 42 | 28950 | 49.84 ug/L | 95 |
| 42) 1,1,1-trichloroethane | 8.53 | 97 | 125624 | 55.92 ug/L | 97 |
| 44) Cyclohexane | 8.81 | 56 | 119783 | 51.90 ug/L | 98 |
| 45) carbon tetrachloride | 8.89 | 117 | 111378 | 52.18 ug/L | 96 |
| 46) 1,1-dichloropropene | 8.70 | 75 | 108640 | 52.27 ug/L | 97 |
| 47) benzene | 8.93 | 78 | 339878 | 51.11 ug/L | 100 |
| 48) 1,2-dichloroethane | 8.43 | 62 | 111818 | 51.31 ug/L | 99 |
| 49) tert-amyl methyl ether | 9.06 | 73 | 235966 | 49.84 ug/L | 97 |
| 50) heptane | 9.42 | 43 | 73233 | 48.81 ug/L | 99 |
| 51) trichloroethene | 9.55 | 95 | 99071 | 54.15 ug/L | 97 |
| 52) 1,2-dichloropropane | 9.51 | 63 | 90292 | 53.26 ug/L | 99 |
| 53) dibromomethane | 9.48 | 93 | 61772 | 51.29 ug/L | 92 |
| 54) bromodichloromethane | 9.60 | 83 | 122150 | 51.06 ug/L | 95 |
| 55) Methylcyclohexane | 10.07 | 83 | 126889 | 49.11 ug/L | 99 |
| 56) 2-chloroethyl vinyl ether | 9.51 | 63 | 90292 | 53.25 ug/L # | 99 |
| 57) methyl methacrylate | 9.71 | 69 | 62359 | 48.84 ug/L | 96 |
| 58) 1,4-dioxane | 9.69 | 88 | 7364 | 219.88 ug/L | 92 |
| 59) cis-1,3-dichloropropene | 10.22 | 75 | 136186 | 52.64 ug/L | 96 |
| 61) 4-methyl-2-pentanone | 10.32 | 43 | 97586 | 52.21 ug/L | 99 |
| 62) toluene | 11.00 | 92 | 222645 | 50.37 ug/L | 100 |
| 63) trans-1,3-dichloropropene | 10.65 | 75 | 122075 | 53.16 ug/L | 99 |
| 64) 1,1,2-trichloroethane | 10.81 | 83 | 77506 | 50.67 ug/L | 99 |
| 65) ethyl methacrylate | 11.04 | 69 | 123672 | 52.00 ug/L | 94 |
| 67) tetrachloroethene | 11.74 | 166 | 120274 | 48.74 ug/L | 97 |
| 68) 1,3-dichloropropane | 11.05 | 76 | 148034 | 50.80 ug/L | 99 |
| 69) dibromochloromethane | 11.33 | 129 | 110650 | 48.37 ug/L | 98 |
| 70) 1,2-dibromoethane | 11.58 | 107 | 103216 | 48.93 ug/L | 99 |
| 71) 2-hexanone | 11.18 | 43 | 72503 | 50.58 ug/L | 96 |
| 72) chlorobenzene | 12.42 | 112 | 268755 | 46.45 ug/L | 98 |
| 73) 1,1,1,2-tetrachloroethane | 12.34 | 131 | 95744 | 49.60 ug/L | 96 |
| 74) ethylbenzene | 12.60 | 91 | 437420 | 49.88 ug/L | 98 |
| 75) m,p-xylene | 12.79 | 106 | 355413 | 100.05 ug/L | 99 |
| 76) o-xylene | 13.19 | 106 | 181130 | 50.92 ug/L | 96 |
| 77) styrene | 13.12 | 104 | 286771 | 50.94 ug/L | 98 |
| 78) bromoform | 12.93 | 173 | 95238 | 44.28 ug/L | 96 |
| 79) trans-1,4-dichloro-2-buten | 13.35 | 53 | 35291 | 47.73 ug/L | 91 |
| 81) isopropylbenzene | 13.56 | 105 | 405089 | 52.58 ug/L | 97 |
| 83) bromobenzene | 13.83 | 156 | 147747 | 46.73 ug/L | 98 |
| 84) 1,1,2,2-tetrachloroethane | 13.19 | 83 | 135804 | 48.29 ug/L | 99 |
| 85) 1,2,3-trichloropropane | 13.34 | 75 | 157109 | 48.94 ug/L | 98 |
| 86) n-propylbenzene | 14.00 | 91 | 571562 | 51.49 ug/L | 99 |
| 87) 2-chlorotoluene | 14.11 | 91 | 339228 | 49.44 ug/L | 97 |
| 88) 4-chlorotoluene | 14.19 | 91 | 354269 | 48.83 ug/L | 99 |
| 89) 1,3,5-trimethylbenzene | 14.29 | 105 | 394947 | 50.73 ug/L | 100 |
| 90) tert-butylbenzene | 14.58 | 91 | 220021 | 51.45 ug/L | 98 |
| 91) 1,2,4-trimethylbenzene | 14.69 | 105 | 424046 | 50.99 ug/L | 99 |
| 92) sec-butylbenzene | 14.81 | 105 | 548924 | 51.02 ug/L | 99 |

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18741.D Vial: 25
Acq On : 20 Apr 2007 7:37 pm Operator: alit
Sample : BS Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:53:42 2007 Quant Results File: N042007W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:51:39 2007
Response via : Initial Calibration
DataAcq Meth : N8260

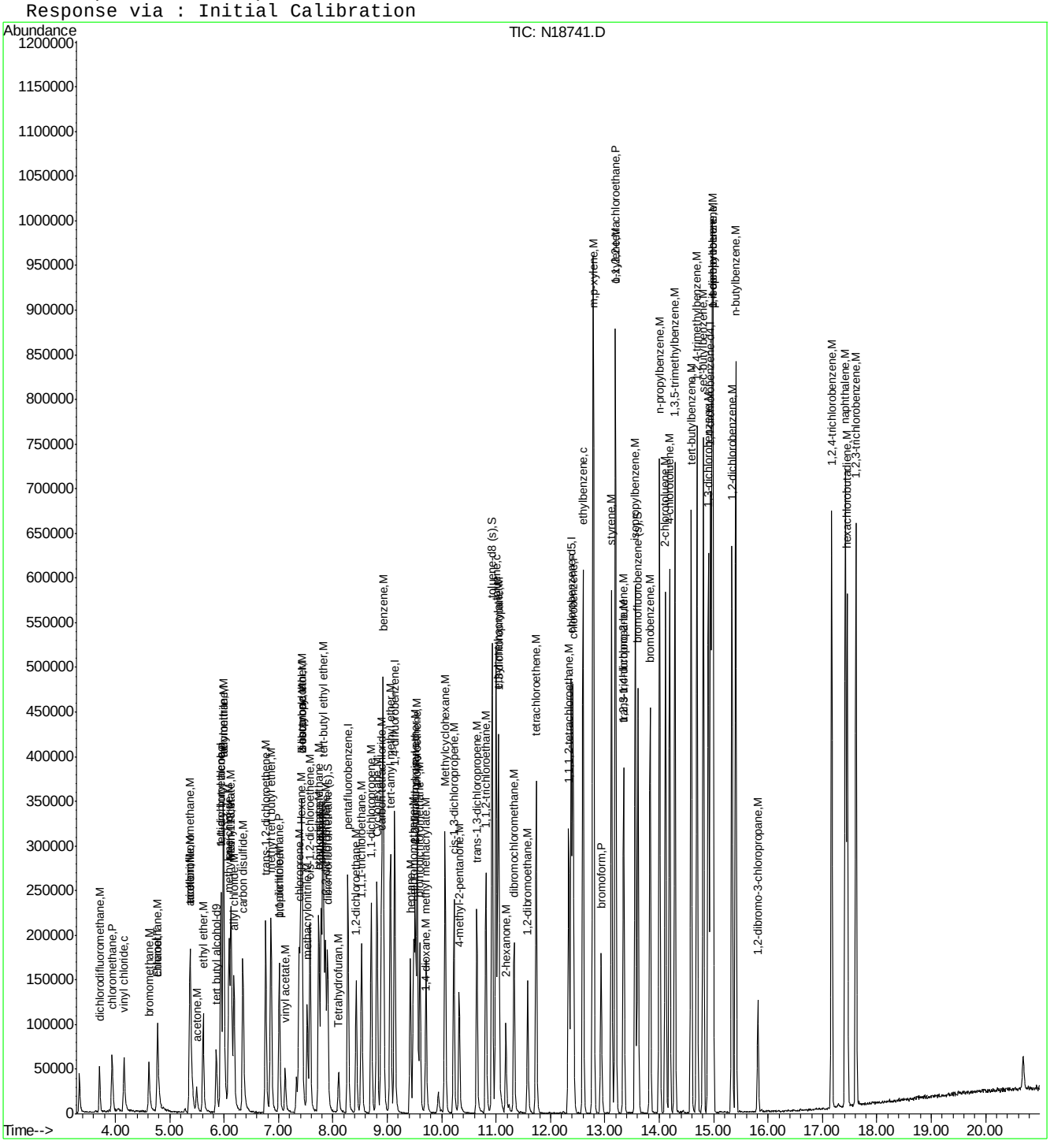
| | Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|---|---|---|---|---|---|---|---|
| 93) | 1,3-dichlorobenzene | 14.90 | 146 | 282253 | 44.75 | ug/L | 98 |
| 94) | p-isopropyltoluene | 14.99 | 119 | 467083 | 48.72 | ug/L | 99 |
| 96) | 1,4-dichlorobenzene | 14.97 | 146 | 297825 | 51.08 | ug/L | 98 |
| 97) | 1,2-dichlorobenzene | 15.33 | 146 | 280044 | 46.17 | ug/L | 99 |
| 98) | n-butylbenzene | 15.40 | 91 | 468184 | 48.97 | ug/L | 98 |
| 99) | 1,2-dibromo-3-chloropropan | 15.81 | 75 | 26697 | 45.49 | ug/L | 95 |
| 100) | 1,2,4-trichlorobenzene | 17.17 | 180 | 228449 | 45.53 | ug/L | 97 |
| 101) | hexachlorobutadiene | 17.45 | 225 | 115452 | 46.09 | ug/L | 95 |
| 102) | naphthalene | 17.42 | 128 | 548135 | 46.92 | ug/L | 100 |
| 103) | 1,2,3-trichlorobenzene | 17.62 | 180 | 219452 | 46.82 | ug/L | 100 |

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18741.D Vial: 25
Acq On : 20 Apr 2007 7:37 pm Operator: alit
Sample : BS Inst : MAMSN
Misc : ms13382,msn678,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 13:53 2007 Quant Results File: N042007W.RES

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Apr 21 13:51:39 2007
Response via : Initial Calibration










ACCUTEST Laboratories M64162

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18881.D Vial: 17
Acq On : 26 Apr 2007 10:43 am Operator: alit
Sample : CC678-100 Inst : MAMSN
Misc : ms13429,msn683,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 26 11:13:44 2007 Quant Results File: N042007W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Apr 25 10:27:30 2007
Response via : Initial Calibration
DataAcq Meth : N8260

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 5.86 | 65 | 59636 | 500.00 ug/L | 0.00 |
| 3) pentafluorobenzene | 8.28 | 168 | 119598 | 50.00 ug/L | 0.00 |
| 43) 1,4-difluorobenzene | 9.14 | 114 | 171325 | 50.00 ug/L | 0.00 |
| 66) chlorobenzene-d5 | 12.38 | 82 | 96865 | 50.00 ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 14.94 | 152 | 137933 | 50.00 ug/L | 0.00 |

System Monitoring Compounds

| | | | | | |
|---|---|---|---|---|---|
| 40) dibromofluoromethane (s) | 7.90 | 113 | 64748 | 57.01 ug/L | 0.00 |
| Spiked Amount 50.000 | Range 84 - 129 | | Recovery = 114.02% | | |
| 60) toluene-d8 (s) | 10.93 | 98 | 226403 | 52.62 ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 105.24% | | |
| 82) bromofluorobenzene (s) | 13.61 | 95 | 104181 | 47.77 ug/L | 0.00 |
| Spiked Amount 50.000 | Range 82 - 118 | | Recovery = 95.54% | | |

Target Compounds

| | | | | | Qvalue |
|---|---|---|---|---|---|
| 2) tertiary butyl alcohol | 5.94 | 59 | 141037 | 922.55 ug/L | 96 |
| 4) Ethanol | 4.78 | 45 | 138035 | 11621.16 ug/L | 97 |
| 5) dichlorodifluoromethane | 3.71 | 85 | 74290 | 99.85 ug/L | 100 |
| 6) chloromethane | 3.94 | 50 | 82330 | 90.76 ug/L | 99 |
| 7) vinyl chloride | 4.16 | 62 | 75604 | 101.47 ug/L | 95 |
| 8) bromomethane | 4.61 | 96 | 47841 | 94.68 ug/L | 98 |
| 9) chloroethane | 4.77 | 64 | 40490 | 114.09 ug/L | 98 |
| 10) ethyl ether | 5.61 | 59 | 84323 | 110.28 ug/L | 95 |
| 11) acetonitrile | 5.38 | 41 | 29402 | 113.94 ug/L | 92 |
| 12) trichlorofluoromethane | 5.38 | 101 | 145927 | 110.22 ug/L | 98 |
| 13) freon-113 | 6.13 | 101 | 80465 | 108.95 ug/L | 90 |
| 14) acrolein | 5.37 | 56 | 120404 | 582.52 ug/L | 99 |
| 15) 1,1-dichloroethene | 5.94 | 96 | 84556 | 100.09 ug/L | 90 |
| 16) acetone | 5.49 | 43 | 47674 | 115.82 ug/L | 99 |
| 17) Methyl Acetate | 6.12 | 43 | 187371 | 122.34 ug/L | 99 |
| 18) methylene chloride | 6.08 | 84 | 115910 | 103.93 ug/L | 96 |
| 19) methyl tert butyl ether | 6.86 | 73 | 286247 | 113.45 ug/L | 100 |
| 20) acrylonitrile | 5.99 | 53 | 255880 | 583.68 ug/L | 96 |
| 21) allyl chloride | 6.18 | 41 | 122169 | 118.63 ug/L | 98 |
| 22) trans-1,2-dichloroethene | 6.77 | 96 | 95686 | 98.03 ug/L | 94 |
| 23) iodomethane | 5.99 | 142 | 108165 | 93.09 ug/L | 95 |
| 24) carbon disulfide | 6.34 | 76 | 288876 | 104.22 ug/L | 98 |
| 25) propionitrile | 7.01 | 54 | 19881 | 111.53 ug/L | 100 |
| 26) vinyl acetate | 7.12 | 43 | 255754 | 113.35 ug/L | 99 |
| 27) chloroprene | 7.38 | 53 | 127983 | 116.06 ug/L | 89 |
| 28) di-isopropyl ether | 7.43 | 45 | 369468 | 116.53 ug/L | 95 |
| 29) methacrylonitrile | 7.53 | 41 | 87394 | 125.38 ug/L | 95 |
| 30) 2-butanone | 7.42 | 72 | 16001 | 120.12 ug/L # | 86 |
| 31) Hexane | 7.41 | 41 | 139060 | 130.72 ug/L | 92 |
| 32) 1,1-dichloroethane | 7.01 | 63 | 177376 | 109.65 ug/L | 98 |
| 33) tert-butyl ethyl ether | 7.82 | 59 | 335812 | 119.45 ug/L | 99 |
| 34) isobutyl alcohol | 7.42 | 43 | 299704 | 607.14 ug/L | 97 |
| 35) 2,2-dichloropropane | 7.86 | 77 | 146866 | 130.05 ug/L | 98 |
| 36) cis-1,2-dichloroethene | 7.58 | 96 | 119461 | 101.81 ug/L | 96 |
| 37) ethyl acetate | 7.84 | 43 | 68357 | 110.44 ug/L | 98 |

(#) = qualifier out of range (m) = manual integration
N18881.D N042007W.M Tue May 01 15:23:14 2007 RP1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18881.D Vial: 17
Acq On : 26 Apr 2007 10:43 am Operator: alit
Sample : CC678-100 Inst : MAMSN
Misc : ms13429,msn683,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 26 11:13:44 2007 Quant Results File: N042007W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Apr 25 10:27:30 2007
Response via : Initial Calibration
DataAcq Meth : N8260

| Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|
| 38) bromochloromethane | 7.74 | 128 | 58657 | 106.45 ug/L | 95 |
| 39) chloroform | 7.78 | 83 | 197795 | 114.22 ug/L | 98 |
| 41) Tetrahydrofuran | 8.10 | 42 | 41955 | 126.73 ug/L | 92 |
| 42) 1,1,1-trichloroethane | 8.53 | 97 | 160598 | 121.46 ug/L | 93 |
| 44) Cyclohexane | 8.81 | 56 | 145445 | 103.92 ug/L | 99 |
| 45) carbon tetrachloride | 8.89 | 117 | 144828 | 111.58 ug/L | 96 |
| 46) 1,1-dichloropropene | 8.70 | 75 | 130717 | 102.89 ug/L | 99 |
| 47) benzene | 8.92 | 78 | 400728 | 99.06 ug/L | 97 |
| 48) 1,2-dichloroethane | 8.43 | 62 | 152203 | 114.81 ug/L | 96 |
| 49) tert-amyl methyl ether | 9.06 | 73 | 314286 | 109.13 ug/L | 98 |
| 50) heptane | 9.42 | 43 | 94182 | 103.41 ug/L | 96 |
| 51) trichloroethene | 9.55 | 95 | 109697 | 98.56 ug/L | 98 |
| 52) 1,2-dichloropropane | 9.51 | 63 | 104852 | 101.66 ug/L | 97 |
| 53) dibromomethane | 9.48 | 93 | 76744 | 104.75 ug/L | 91 |
| 54) bromodichloromethane | 9.60 | 83 | 163924 | 112.64 ug/L | 99 |
| 55) Methylcyclohexane | 10.07 | 83 | 158653 | 100.82 ug/L | 96 |
| 56) 2-chloroethyl vinyl ether | 9.51 | 63 | 104852 | 101.65 ug/L # | 99 |
| 57) methyl methacrylate | 9.71 | 69 | 84233 | 108.46 ug/L | 91 |
| 58) 1,4-dioxane | 9.70 | 88 | 9004 | 441.96 ug/L | 94 |
| 59) cis-1,3-dichloropropene | 10.22 | 75 | 175404 | 111.46 ug/L | 97 |
| 61) 4-methyl-2-pentanone | 10.32 | 43 | 141365 | 124.33 ug/L | 97 |
| 62) toluene | 11.00 | 92 | 266034 | 98.94 ug/L | 97 |
| 63) trans-1,3-dichloropropene | 10.64 | 75 | 161267 | 115.45 ug/L | 99 |
| 64) 1,1,2-trichloroethane | 10.81 | 83 | 95035 | 102.14 ug/L | 97 |
| 65) ethyl methacrylate | 11.04 | 69 | 166239 | 114.91 ug/L | 94 |
| 67) tetrachloroethene | 11.74 | 166 | 140632 | 87.83 ug/L | 94 |
| 68) 1,3-dichloropropane | 11.05 | 76 | 187804 | 99.32 ug/L | 99 |
| 69) dibromochloromethane | 11.33 | 129 | 152666 | 102.84 ug/L | 96 |
| 70) 1,2-dibromoethane | 11.58 | 107 | 131739 | 96.23 ug/L | 97 |
| 71) 2-hexanone | 11.18 | 43 | 109897 | 118.13 ug/L | 99 |
| 72) chlorobenzene | 12.41 | 112 | 337913 | 90.01 ug/L | 99 |
| 73) 1,1,1,2-tetrachloroethane | 12.33 | 131 | 121922 | 97.33 ug/L | 96 |
| 74) ethylbenzene | 12.60 | 91 | 561716 | 98.71 ug/L | 99 |
| 75) m,p-xylene | 12.79 | 106 | 446240 | 193.57 ug/L | 98 |
| 76) o-xylene | 13.19 | 106 | 229142 | 99.27 ug/L | 98 |
| 77) styrene | 13.12 | 104 | 375454 | 102.78 ug/L | 96 |
| 78) bromoform | 12.93 | 173 | 139459 | 93.33 ug/L | 99 |
| 79) trans-1,4-dichloro-2-buten | 13.35 | 53 | 61236 | 127.61 ug/L | 92 |
| 81) isopropylbenzene | 13.56 | 105 | 543841 | 98.05 ug/L | 98 |
| 83) bromobenzene | 13.83 | 156 | 192744 | 84.68 ug/L | 96 |
| 84) 1,1,2,2-tetrachloroethane | 13.19 | 83 | 196420 | 97.02 ug/L | 98 |
| 85) 1,2,3-trichloropropane | 13.34 | 75 | 236555 | 102.35 ug/L | 99 |
| 86) n-propylbenzene | 14.00 | 91 | 781293 | 97.78 ug/L | 98 |
| 87) 2-chlorotoluene | 14.11 | 91 | 465057 | 94.15 ug/L | 96 |
| 88) 4-chlorotoluene | 14.19 | 91 | 494383 | 94.65 ug/L | 98 |
| 89) 1,3,5-trimethylbenzene | 14.29 | 105 | 556004 | 99.20 ug/L | 98 |
| 90) tert-butylbenzene | 14.59 | 91 | 320853 | 104.22 ug/L | 96 |
| 91) 1,2,4-trimethylbenzene | 14.69 | 105 | 594503 | 99.31 ug/L | 99 |
| 92) sec-butylbenzene | 14.81 | 105 | 767859 | 99.14 ug/L | 100 |

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18881.D Vial: 17
Acq On : 26 Apr 2007 10:43 am Operator: alit
Sample : CC678-100 Inst : MAMSN
Misc : ms13429,msn683,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 26 11:13:44 2007 Quant Results File: N042007W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Apr 25 10:27:30 2007
Response via : Initial Calibration
DataAcq Meth : N8260

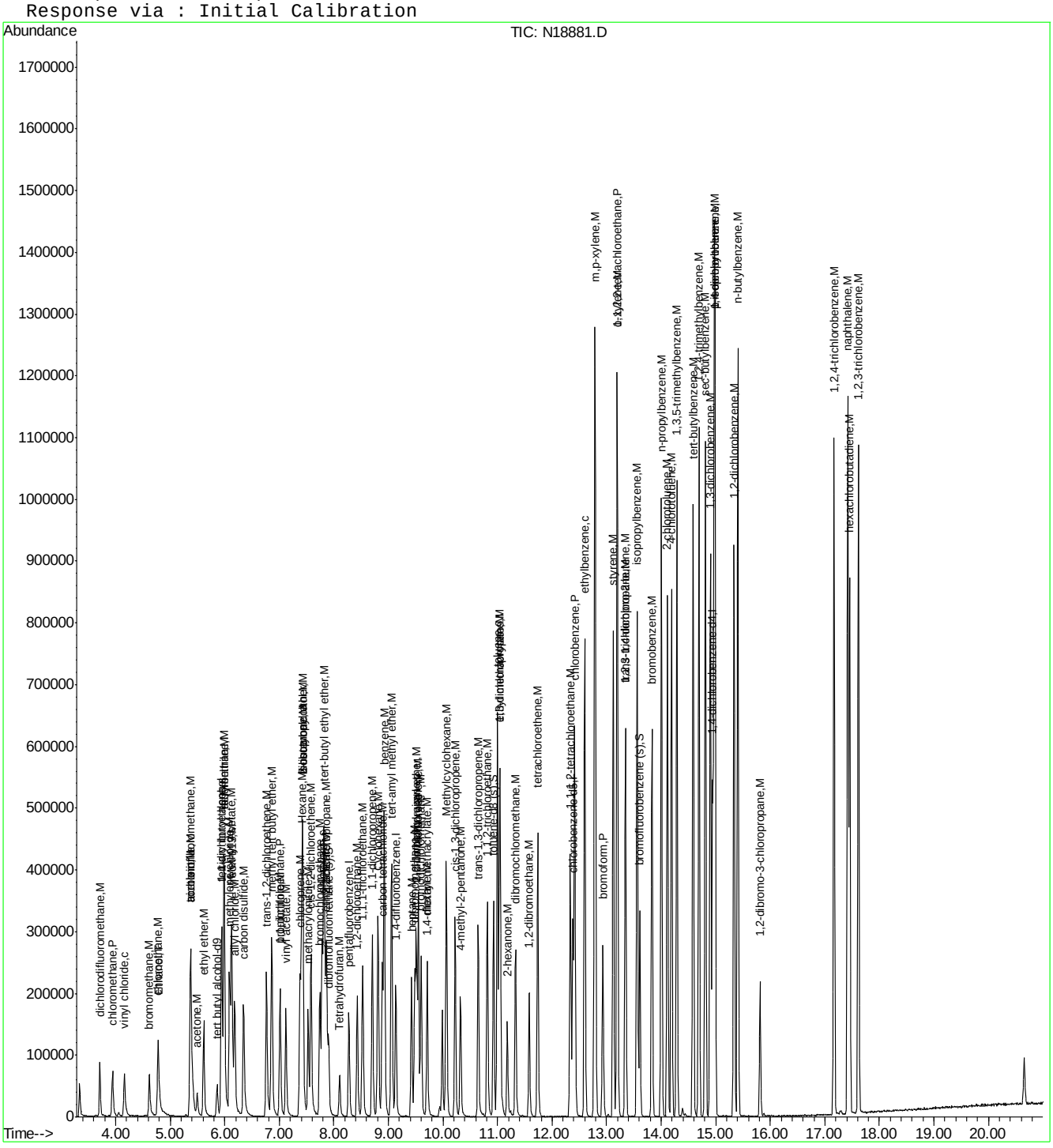
| | Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|---|---|---|---|---|---|---|---|
| 93) | 1,3-dichlorobenzene | 14.90 | 146 | 389664 | 95.84 | ug/L | 99 |
| 94) | p-isopropyltoluene | 14.99 | 119 | 665215 | 96.39 | ug/L | 99 |
| 96) | 1,4-dichlorobenzene | 14.97 | 146 | 414445 | 103.75 | ug/L | 98 |
| 97) | 1,2-dichlorobenzene | 15.34 | 146 | 396122 | 90.71 | ug/L | 99 |
| 98) | n-butylbenzene | 15.40 | 91 | 686478 | 99.75 | ug/L | 99 |
| 99) | 1,2-dibromo-3-chloropropan | 15.81 | 75 | 48129 | 113.91 | ug/L | 83 |
| 100) | 1,2,4-trichlorobenzene | 17.17 | 180 | 350021 | 96.91 | ug/L | 100 |
| 101) | hexachlorobutadiene | 17.45 | 225 | 177847 | 98.63 | ug/L | 96 |
| 102) | naphthalene | 17.42 | 128 | 880512 | 104.71 | ug/L | 100 |
| 103) | 1,2,3-trichlorobenzene | 17.62 | 180 | 346683 | 107.13 | ug/L | 99 |

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18881.D Vial: 17
Acq On : 26 Apr 2007 10:43 am Operator: alit
Sample : CC678-100 Inst : MAMSN
Misc : ms13429,msn683,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 26 11:13 2007 Quant Results File: N042007W.RES

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Apr 25 10:27:30 2007
Response via : Initial Calibration










ACCUTEST Laboratories M64162

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18908.D Vial: 17
Acq On : 27 Apr 2007 10:08 am Operator: alit
Sample : CC681-100 Inst : MAMSN
Misc : ms13429,msn684,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 27 11:32:46 2007 Quant Results File: N042007W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Apr 25 10:27:30 2007
Response via : Initial Calibration
DataAcq Meth : N8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 5.85 | 65 | 37280 | 500.00 | ug/L | 0.00 |
| 3) pentafluorobenzene | 8.28 | 168 | 102107 | 50.00 | ug/L | 0.00 |
| 43) 1,4-difluorobenzene | 9.14 | 114 | 147759 | 50.00 | ug/L | 0.00 |
| 66) chlorobenzene-d5 | 12.38 | 82 | 85576 | 50.00 | ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 14.94 | 152 | 123557 | 50.00 | ug/L | 0.00 |

System Monitoring Compounds

| | | | | | | |
|---|---|---|---|---|---|---|
| 40) dibromofluoromethane (s) | 7.91 | 113 | 57087 | 58.87 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 84 - 129 | | Recovery = 117.74% | | | |
| 60) toluene-d8 (s) | 10.93 | 98 | 194826 | 52.51 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 105.02% | | | |
| 82) bromofluorobenzene (s) | 13.61 | 95 | 94949 | 48.61 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 82 - 118 | | Recovery = 97.22% | | | |

Target Compounds

| | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 2) tertiary butyl alcohol | 5.94 | 59 | 93294 | 976.21 | ug/L | 93 |
| 4) Ethanol | 4.78 | 45 | 113011 | 11134.52 | ug/L | 99 |
| 5) dichlorodifluoromethane | 3.71 | 85 | 64704 | 101.82 | ug/L | 99 |
| 6) chloromethane | 3.94 | 50 | 83332 | 107.60 | ug/L | 97 |
| 7) vinyl chloride | 4.16 | 62 | 75151 | 118.14 | ug/L | 92 |
| 8) bromomethane | 4.62 | 96 | 52520 | 121.74 | ug/L | 98 |
| 9) chloroethane | 4.77 | 64 | 38243 | 126.22 | ug/L | 97 |
| 10) ethyl ether | 5.61 | 59 | 72689 | 111.35 | ug/L | 98 |
| 11) acetonitrile | 5.38 | 41 | 23461 | 106.49 | ug/L | 96 |
| 12) trichlorofluoromethane | 5.38 | 101 | 125630 | 111.11 | ug/L | 95 |
| 13) freon-113 | 6.13 | 101 | 69882 | 110.80 | ug/L | 99 |
| 14) acrolein | 5.37 | 56 | 93185 | 528.06 | ug/L | 98 |
| 15) 1,1-dichloroethene | 5.94 | 96 | 72266 | 100.20 | ug/L | 86 |
| 16) acetone | 5.49 | 43 | 36474 | 103.79 | ug/L | 92 |
| 17) Methyl Acetate | 6.12 | 43 | 144479 | 110.49 | ug/L | 98 |
| 18) methylene chloride | 6.09 | 84 | 99684 | 104.69 | ug/L | 93 |
| 19) methyl tert butyl ether | 6.86 | 73 | 242829 | 112.73 | ug/L | 96 |
| 20) acrylonitrile | 5.99 | 53 | 200466 | 535.61 | ug/L | 99 |
| 21) allyl chloride | 6.18 | 41 | 102286 | 116.34 | ug/L | 100 |
| 22) trans-1,2-dichloroethene | 6.77 | 96 | 81431 | 97.72 | ug/L | 96 |
| 23) iodomethane | 5.99 | 142 | 97127 | 98.35 | ug/L | 91 |
| 24) carbon disulfide | 6.35 | 76 | 249584 | 105.47 | ug/L | 99 |
| 25) propionitrile | 7.01 | 54 | 14986 | 98.47 | ug/L | 100 |
| 26) vinyl acetate | 7.12 | 43 | 211584 | 109.94 | ug/L | 98 |
| 27) chloroprene | 7.38 | 53 | 113588 | 120.59 | ug/L | 92 |
| 28) di-isopropyl ether | 7.43 | 45 | 338435 | 125.03 | ug/L | 97 |
| 29) methacrylonitrile | 7.53 | 41 | 70216 | 117.99 | ug/L | 88 |
| 30) 2-butanone | 7.42 | 72 | 11793 | 103.70 | ug/L # | 72 |
| 31) Hexane | 7.41 | 41 | 126607 | 139.40 | ug/L | 86 |
| 32) 1,1-dichloroethane | 7.01 | 63 | 156098 | 113.02 | ug/L | 99 |
| 33) tert-butyl ethyl ether | 7.82 | 59 | 298307 | 124.29 | ug/L | 99 |
| 34) isobutyl alcohol | 7.42 | 43 | 260493 | 618.11 | ug/L | 92 |
| 35) 2,2-dichloropropane | 7.86 | 77 | 132701 | 137.64 | ug/L | 95 |
| 36) cis-1,2-dichloroethene | 7.58 | 96 | 103544 | 103.36 | ug/L | 95 |
| 37) ethyl acetate | 7.82 | 43 | 57363 | 108.56 | ug/L | 71 |

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

N18908.D N042007W.M Fri Apr 27 11:34:53 2007 RP1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18908.D Vial: 17
Acq On : 27 Apr 2007 10:08 am Operator: alit
Sample : CC681-100 Inst : MAMSN
Misc : ms13429,msn684,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 27 11:32:46 2007 Quant Results File: N042007W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Apr 25 10:27:30 2007
Response via : Initial Calibration
DataAcq Meth : N8260

| | Compound | R.T. | QIon | Response | Conc Unit | | Qvalue |
|---|---|---|---|---|---|---|---|
| 38) | bromochloromethane | 7.74 | 128 | 50568 | 107.49 ug/L | | 98 |
| 39) | chloroform | 7.78 | 83 | 177255 | 119.89 ug/L | | 98 |
| 41) | Tetrahydrofuran | 8.10 | 42 | 28326 | 100.97 ug/L | | 93 |
| 42) | 1,1,1-trichloroethane | 8.53 | 97 | 148997 | 131.99 ug/L | | 99 |
| 44) | Cyclohexane | 8.81 | 56 | 130410 | 108.05 ug/L | | 98 |
| 45) | carbon tetrachloride | 8.89 | 117 | 131592 | 117.56 ug/L | | 100 |
| 46) | 1,1-dichloropropene | 8.71 | 75 | 117005 | 106.77 ug/L | | 95 |
| 47) | benzene | 8.93 | 78 | 355368 | 101.85 ug/L | | 98 |
| 48) | 1,2-dichloroethane | 8.43 | 62 | 136200 | 119.13 ug/L | | 94 |
| 49) | tert-amyl methyl ether | 9.06 | 73 | 271898 | 109.47 ug/L | | 97 |
| 50) | heptane | 9.42 | 43 | 83964 | 106.91 ug/L | | 96 |
| 51) | trichloroethene | 9.55 | 95 | 99097 | 103.23 ug/L | | 97 |
| 52) | 1,2-dichloropropane | 9.51 | 63 | 96405 | 108.38 ug/L | | 100 |
| 53) | dibromomethane | 9.48 | 93 | 66882 | 105.85 ug/L | | 91 |
| 54) | bromodichloromethane | 9.60 | 83 | 150299 | 119.75 ug/L | | 98 |
| 55) | Methylcyclohexane | 10.07 | 83 | 144502 | 106.47 ug/L | | 96 |
| 56) | 2-chloroethyl vinyl ether | 9.51 | 63 | 96405 | 108.37 ug/L | # | 97 |
| 57) | methyl methacrylate | 9.71 | 69 | 64998 | 97.04 ug/L | | 85 |
| 58) | 1,4-dioxane | 9.70 | 88 | 6559 | 373.29 ug/L | | 90 |
| 59) | cis-1,3-dichloropropene | 10.22 | 75 | 157326 | 115.91 ug/L | | 99 |
| 61) | 4-methyl-2-pentanone | 10.32 | 43 | 104621 | 106.69 ug/L | | 97 |
| 62) | toluene | 11.00 | 92 | 237852 | 102.56 ug/L | | 97 |
| 63) | trans-1,3-dichloropropene | 10.65 | 75 | 144876 | 120.26 ug/L | | 97 |
| 64) | 1,1,2-trichloroethane | 10.81 | 83 | 83646 | 104.24 ug/L | | 98 |
| 65) | ethyl methacrylate | 11.04 | 69 | 134136 | 107.51 ug/L | | 89 |
| 67) | tetrachloroethene | 11.74 | 166 | 124379 | 87.92 ug/L | | 97 |
| 68) | 1,3-dichloropropane | 11.05 | 76 | 162993 | 97.57 ug/L | | 99 |
| 69) | dibromochloromethane | 11.33 | 129 | 135895 | 103.62 ug/L | | 99 |
| 70) | 1,2-dibromoethane | 11.58 | 107 | 113512 | 93.86 ug/L | | 97 |
| 71) | 2-hexanone | 11.18 | 43 | 79266 | 96.45 ug/L | | 99 |
| 72) | chlorobenzene | 12.42 | 112 | 299908 | 90.42 ug/L | | 98 |
| 73) | 1,1,1,2-tetrachloroethane | 12.33 | 131 | 112315 | 101.49 ug/L | | 92 |
| 74) | ethylbenzene | 12.60 | 91 | 503530 | 100.16 ug/L | | 99 |
| 75) | m,p-xylene | 12.78 | 106 | 401367 | 197.07 ug/L | | 97 |
| 76) | o-xylene | 13.19 | 106 | 209089 | 102.53 ug/L | | 98 |
| 77) | styrene | 13.12 | 104 | 337337 | 104.53 ug/L | | 94 |
| 78) | bromoform | 12.93 | 173 | 117674 | 89.37 ug/L | | 99 |
| 79) | trans-1,4-dichloro-2-buten | 13.35 | 53 | 49375 | 116.47 ug/L | # | 75 |
| 81) | isopropylbenzene | 13.56 | 105 | 491560 | 98.94 ug/L | | 94 |
| 83) | bromobenzene | 13.83 | 156 | 177359 | 86.98 ug/L | | 96 |
| 84) | 1,1,2,2-tetrachloroethane | 13.19 | 83 | 161093 | 88.83 ug/L | | 99 |
| 85) | 1,2,3-trichloropropane | 13.35 | 75 | 192419 | 92.94 ug/L | | 97 |
| 86) | n-propylbenzene | 14.00 | 91 | 718458 | 100.37 ug/L | | 99 |
| 87) | 2-chlorotoluene | 14.11 | 91 | 429766 | 97.13 ug/L | | 97 |
| 88) | 4-chlorotoluene | 14.19 | 91 | 450748 | 96.34 ug/L | | 96 |
| 89) | 1,3,5-trimethylbenzene | 14.29 | 105 | 512569 | 102.09 ug/L | | 98 |
| 90) | tert-butylbenzene | 14.59 | 91 | 305396 | 110.74 ug/L | | 93 |
| 91) | 1,2,4-trimethylbenzene | 14.69 | 105 | 555650 | 103.62 ug/L | | 99 |
| 92) | sec-butylbenzene | 14.81 | 105 | 719344 | 103.68 ug/L | | 98 |

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18908.D Vial: 17
Acq On : 27 Apr 2007 10:08 am Operator: alit
Sample : CC681-100 Inst : MAMSN
Misc : ms13429,msn684,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 27 11:32:46 2007 Quant Results File: N042007W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Apr 25 10:27:30 2007
Response via : Initial Calibration
DataAcq Meth : N8260

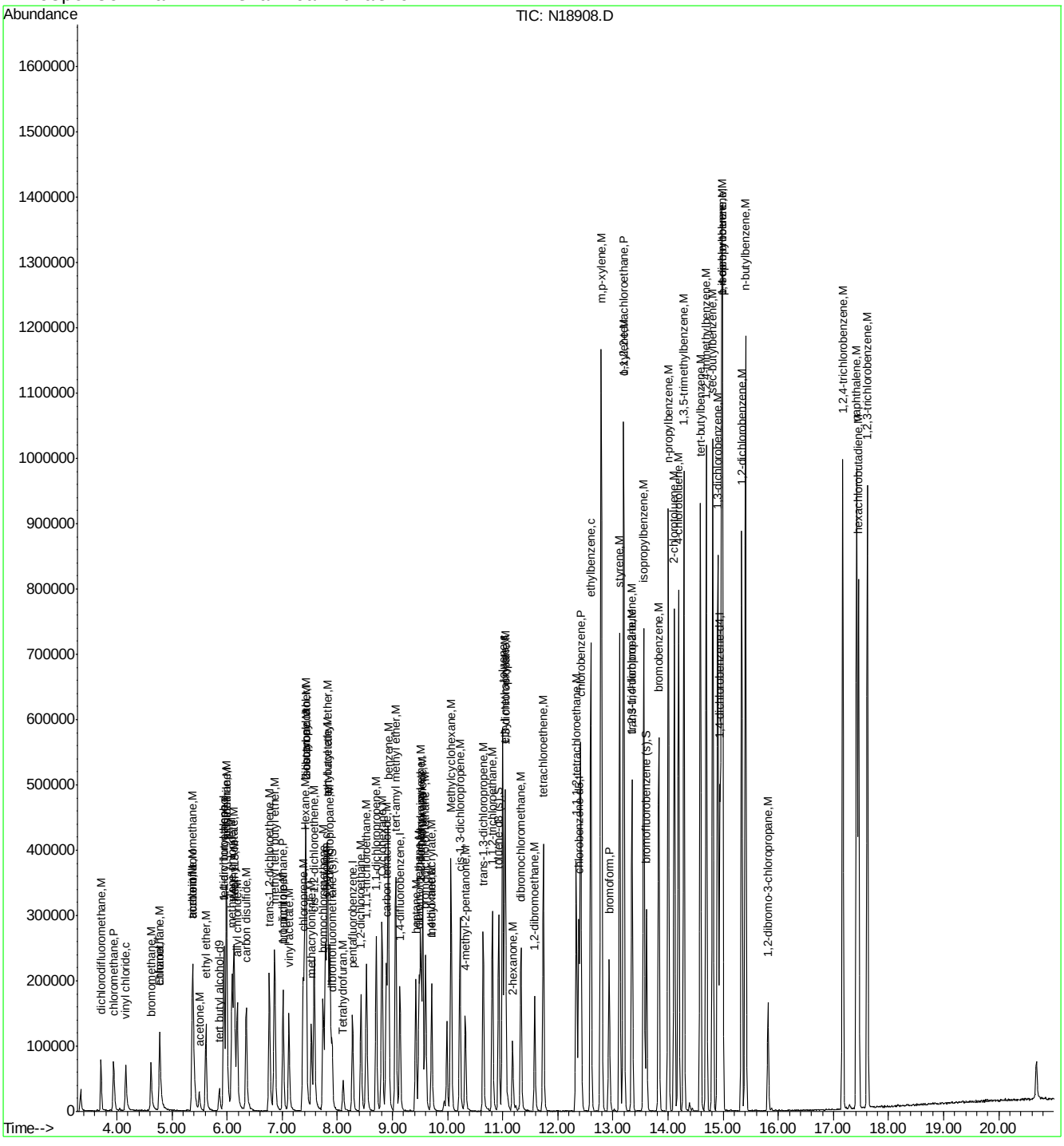
| | Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|---|---|---|---|---|---|---|---|
| 93) | 1,3-dichlorobenzene | 14.90 | 146 | 367749 | 101.13 | ug/L | 98 |
| 94) | p-isopropyltoluene | 14.99 | 119 | 628889 | 101.73 | ug/L | 97 |
| 96) | 1,4-dichlorobenzene | 14.97 | 146 | 383760 | 107.43 | ug/L | 99 |
| 97) | 1,2-dichlorobenzene | 15.34 | 146 | 373697 | 95.53 | ug/L | 99 |
| 98) | n-butylbenzene | 15.40 | 91 | 649777 | 105.40 | ug/L | 97 |
| 99) | 1,2-dibromo-3-chloropropan | 15.81 | 75 | 36759 | 97.12 | ug/L | 89 |
| 100) | 1,2,4-trichlorobenzene | 17.17 | 180 | 318328 | 98.39 | ug/L | 100 |
| 101) | hexachlorobutadiene | 17.46 | 225 | 164796 | 102.02 | ug/L | 97 |
| 102) | naphthalene | 17.42 | 128 | 732685 | 97.27 | ug/L | 100 |
| 103) | 1,2,3-trichlorobenzene | 17.62 | 180 | 306782 | 105.79 | ug/L | 96 |

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N18908.D Vial: 17
Acq On : 27 Apr 2007 10:08 am Operator: alit
Sample : CC681-100 Inst : MAMSN
Misc : ms13429,msn684,,,,5,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 27 11:32 2007 Quant Results File: N042007W.RES

Method : C:\MSDCHEM\1\METHODS\N042007W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Apr 25 10:27:30 2007
Response via : Initial Calibration



Manual Integrations
APPROVED
(compounds with "m" flag)
Doug Yargeau
04/20/07 09:20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p16880.D
Acq On : 17 Apr 2007 5:08 pm
Operator : amym
Sample : ic577-0.5
Misc : ms13376,msp577,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 18 09:28:45 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 18 08:51:57 2007
Response via : Initial Calibration

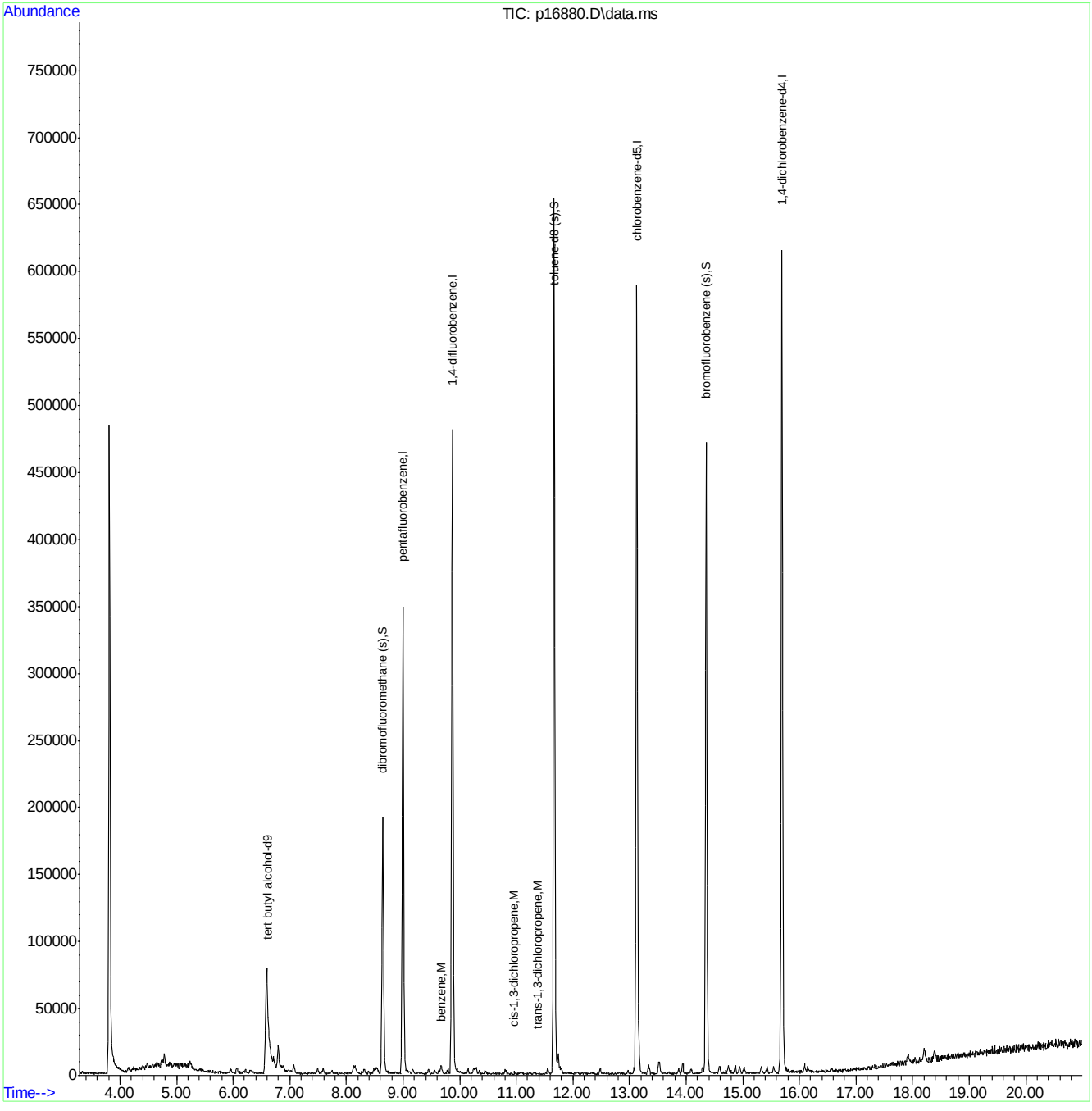
| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 6.609 | 65 | 116802 | 500.00 | ug/L | 0.02 |
| 3) pentafluorobenzene | 9.001 | 168 | 187655 | 50.00 | ug/L | 0.00 |
| 42) 1,4-difluorobenzene | 9.872 | 114 | 309367 | 50.00 | ug/L | 0.00 |
| 65) chlorobenzene-d5 | 13.130 | 82 | 185913 | 50.00 | ug/L | 0.00 |
| 79) 1,4-dichlorobenzene-d4 | 15.693 | 152 | 137575 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 39) dibromofluoromethane (s) | 8.645 | 113 | 111686 | 52.85 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 85 - 129 | | Recovery = 105.70% | | | |
| 59) toluene-d8 (s) | 11.671 | 98 | 391594 | 50.31 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 100.62% | | | |
| 81) bromofluorobenzene (s) | 14.357 | 95 | 165408 | 48.60 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 119 | | Recovery = 97.20% | | | |
| Target Compounds | | | | | | Qvalue |
| 46) benzene | 9.674 | 78 | 5000 | 0.62 | ug/L | 90 |
| 58) cis-1,3-dichloropropene | 10.965 | 75 | 299m | 0.09 | ug/L | |
| 62) trans-1,3-dichloropropene | 11.383 | 75 | 160m | 0.05 | ug/L | |

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

Quantitation Report (QT Reviewed)

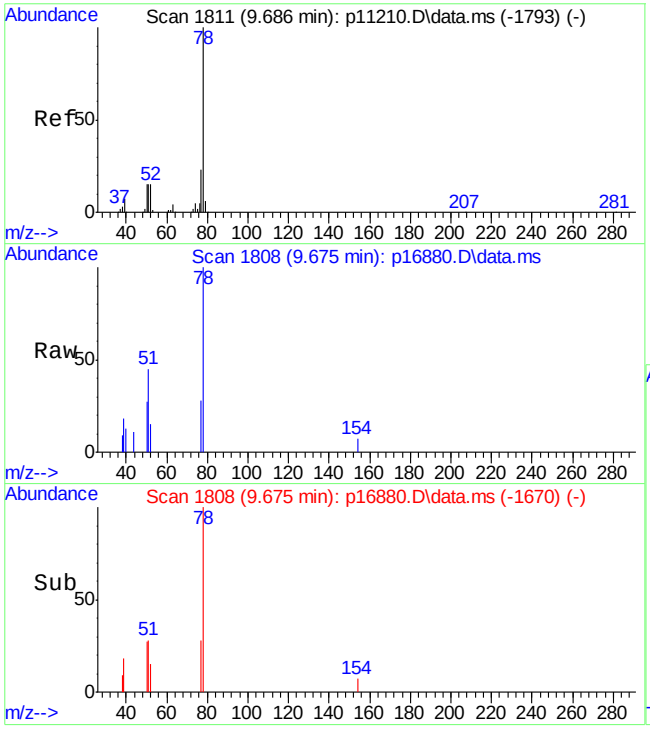
Data Path : C:\msdchem\1\DATA\
Data File : p16880.D
Acq On : 17 Apr 2007 5:08 pm
Operator : amym
Sample : ic577-0.5
Misc : ms13376,msp577,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 18 09:28:45 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 18 08:51:57 2007
Response via : Initial Calibration




P041707w.M Thu Apr 19 14:44:51 2007 RP

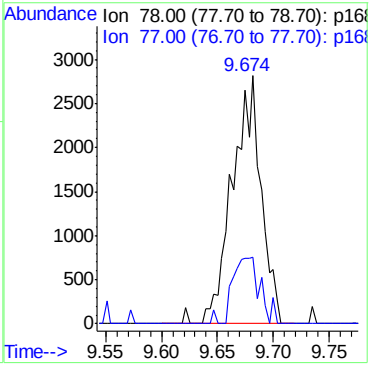
Page: 2

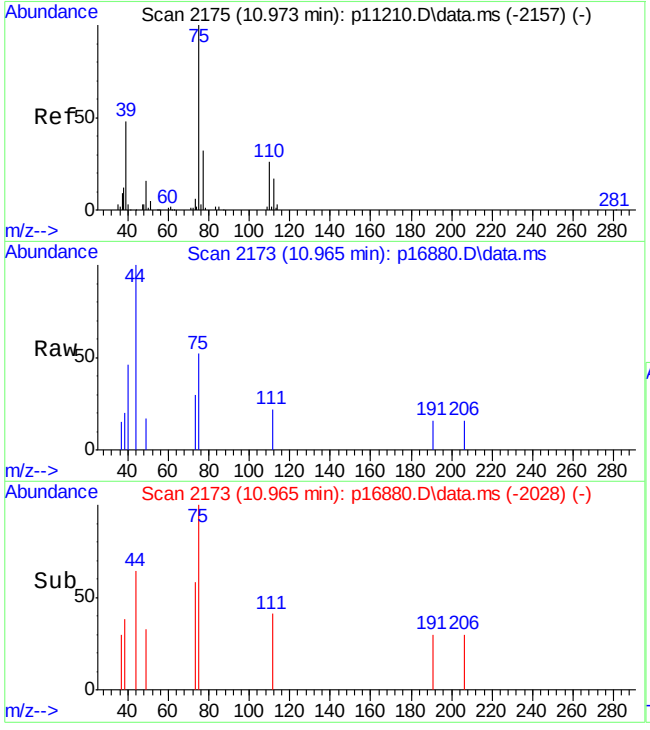



#46
benzene
Concen: 0.62 ug/L
RT: 9.674 min Scan# 1808
Delta R.T. -0.002 min
Lab File: p16880.D
Acq: 17 Apr 2007 5:08 pm

Tgt Ion: 78 Resp: 5000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 27.9 | 0.0 | 53.0 |

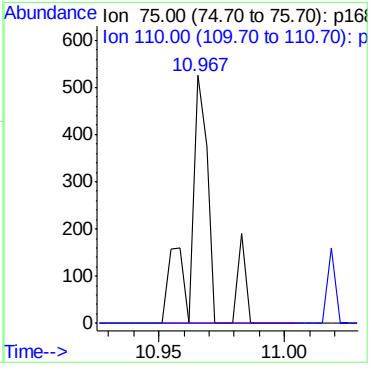


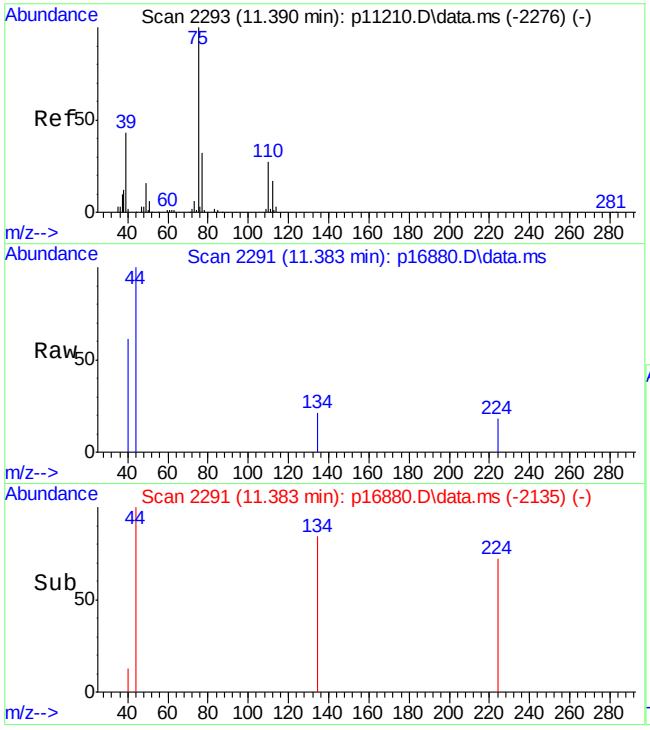




#58
cis-1,3-dichloropropene
Concen: 0.09 ug/L m
RT: 10.965 min Scan# 2173
Delta R.T. 0.001 min
Lab File: p16880.D
Acq: 17 Apr 2007 5:08 pm

Tgt Ion: 75 Resp: 299

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 0.0 | 0.0 | 56.3 |

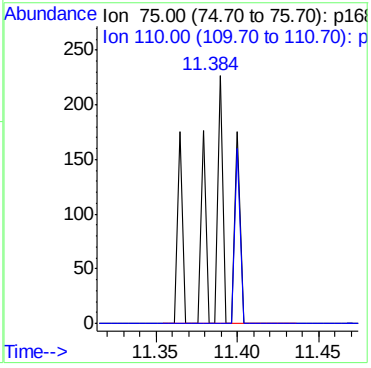





#62
trans-1,3-dichloropropene
Concen: 0.05 ug/L m
RT: 11.383 min Scan# 2291
Delta R.T. -0.000 min
Lab File: p16880.D
Acq: 17 Apr 2007 5:08 pm

Tgt Ion: 75 Resp: 160

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 0.0 | 0.0 | 56.7 |

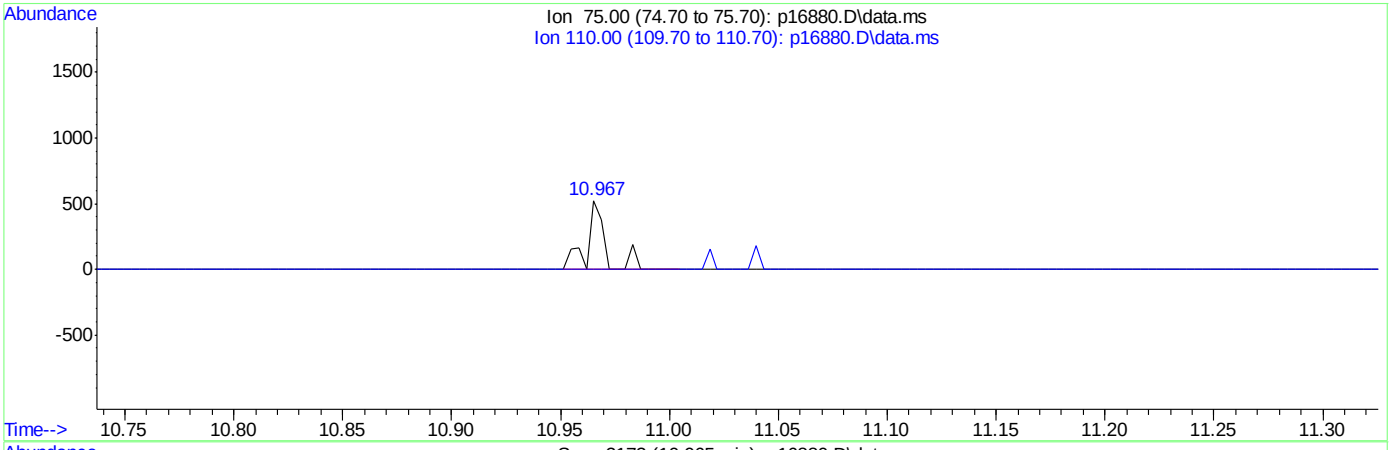


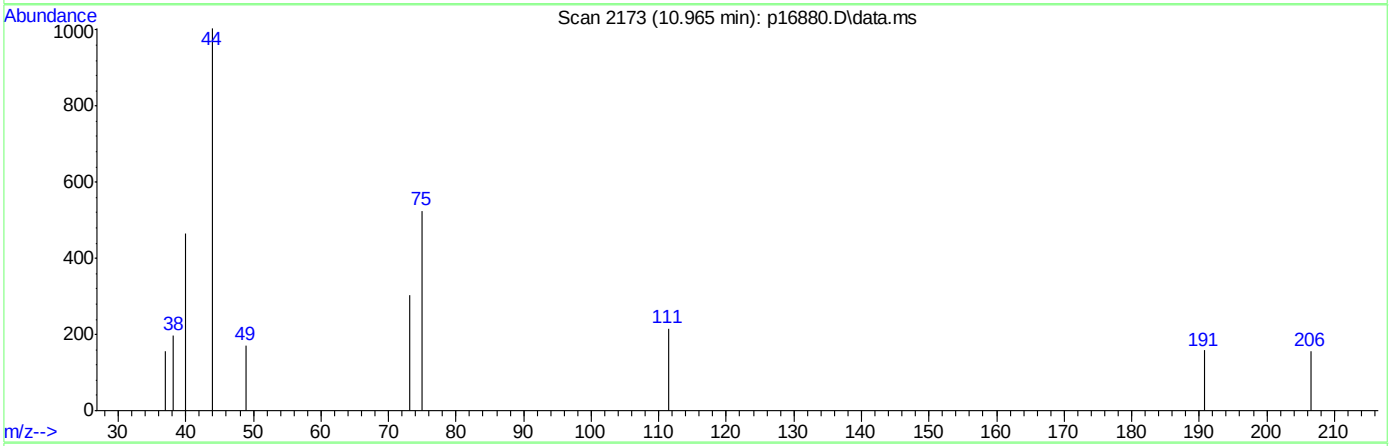
Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : p16880.D
Acq On    : 17 Apr 2007   5:08 pm
Operator  : amym
Sample    : ic577-0.5
Misc      : ms13376,msp577,,,,5,1
ALS Vial  : 6   Sample Multiplier: 1

Quant Time: Apr 18 08:52:19 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title  : SW-846 Method 8260
QLast Update : Wed Apr 18 08:51:57 2007
Response via : Initial Calibration
```






TIC: p16880.D\data.ms

(58) cis-1,3-dichloropropene (M)

10.965min (+0.001) 0.09ug/L m

response 299

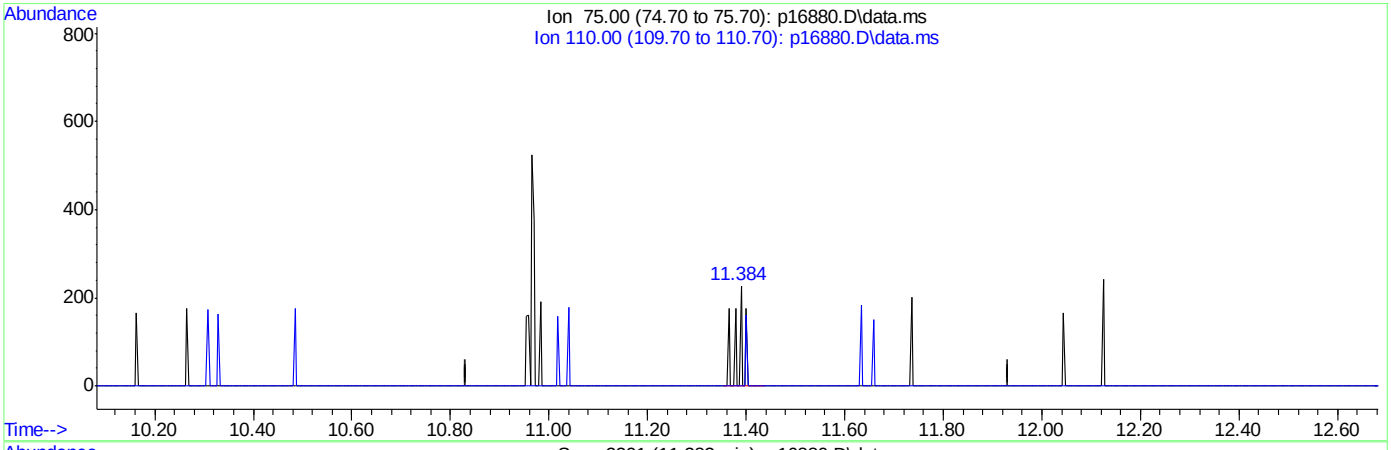
| Ion | Exp% | Act% |
|---|---|---|
| 75.00 | 100 | 100 |
| 110.00 | 26.30 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

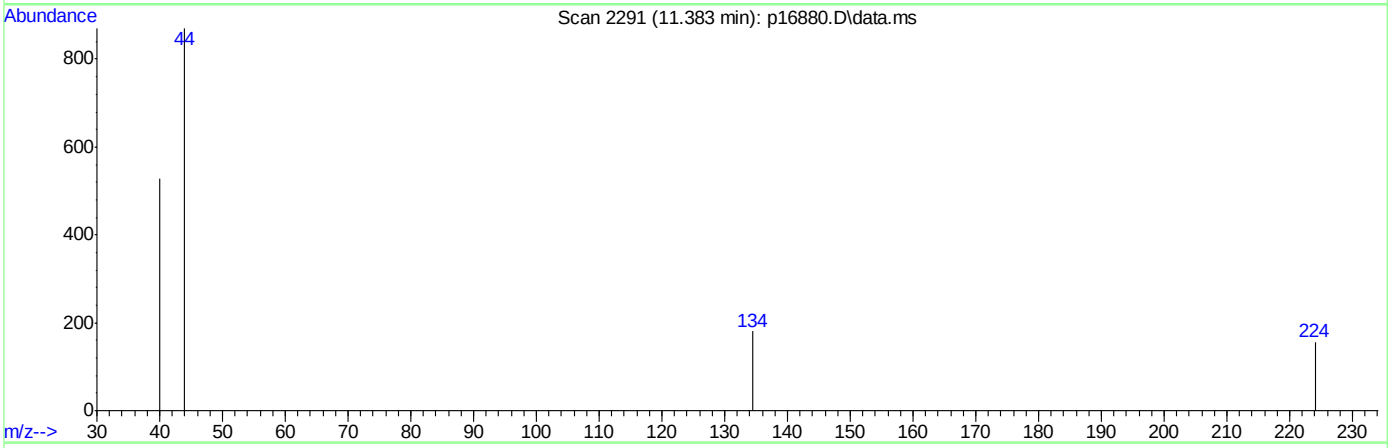
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : p16880.D
Acq On : 17 Apr 2007 5:08 pm
Operator : amym
Sample : ic577-0.5
Misc : ms13376,msp577,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 18 08:52:19 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 18 08:51:57 2007
Response via : Initial Calibration






TIC: p16880.D\data.ms

(62) trans-1,3-dichloropropene (M)

11.383min (-0.000) 0.05ug/L m

response 160

| Ion | Exp% | Act% |
|---|---|---|
| 75.00 | 100 | 100 |
| 110.00 | 26.70 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 04/20/07 09:20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p16881.D
Acq On : 17 Apr 2007 5:36 pm
Operator : amym
Sample : ic577-1
Misc : ms13376,msp577,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 18 09:37:39 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 18 08:51:57 2007
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 6.618 | 65 | 109962 | 500.00 | ug/L | 0.03 |
| 3) pentafluorobenzene | 9.003 | 168 | 180266 | 50.00 | ug/L | 0.00 |
| 42) 1,4-difluorobenzene | 9.876 | 114 | 299701 | 50.00 | ug/L | 0.00 |
| 65) chlorobenzene-d5 | 13.132 | 82 | 180946 | 50.00 | ug/L | 0.00 |
| 79) 1,4-dichlorobenzene-d4 | 15.692 | 152 | 136292 | 50.00 | ug/L | 0.00 |

System Monitoring Compounds

| | | | | | | |
|---|---|---|---|---|---|---|
| 39) dibromofluoromethane (s) | 8.647 | 113 | 106851 | 52.63 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 85 - 129 | | Recovery = 105.26% | | | |
| 59) toluene-d8 (s) | 11.673 | 98 | 377990 | 50.13 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 100.26% | | | |
| 81) bromofluorobenzene (s) | 14.357 | 95 | 159818 | 47.40 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 119 | | Recovery = 94.80% | | | |

Target Compounds

| | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 2) tertiary butyl alcohol | 6.678 | 59 | 3154 | 7.68 | ug/L # | 65 |
| 5) dichlorodifluoromethane | 4.238 | 85 | 2208 | 0.76 | ug/L | 61 |
| 6) chloromethane | 4.493 | 50 | 6080 | 1.75 | ug/L | 84 |
| 7) vinyl chloride | 4.741 | 62 | 3295 | 1.35 | ug/L | 85 |
| 8) bromomethane | 5.246 | 96 | 3040 | 1.92 | ug/L # | 55 |
| 9) chloroethane | 5.410 | 64 | 2012 | 1.38 | ug/L | 78 |
| 10) ethyl ether | 6.314 | 59 | 2247 | 0.98 | ug/L | 89 |
| 11) acetonitrile | 5.962 | 41 | 3155 | 2.33 | ug/L | 87 |
| 12) trichlorofluoromethane | 6.065 | 101 | 3326 | 1.03 | ug/L | 96 |
| 13) freon-113 | 6.840 | 101 | 1847 | 1.11 | ug/L # | 75 |
| 14) acrolein | 6.075 | 56 | 3096 | 3.93 | ug/L | 94 |
| 15) 1,1-dichloroethene | 6.653 | 96 | 3085 | 1.70 | ug/L # | 16 |
| 16) acetone | 6.218 | 43 | 2613 | 1.53 | ug/L | 57 |
| 17) Methyl Acetate | 6.862 | 43 | 5731 | 1.35 | ug/L # | 81 |
| 18) methylene chloride | 6.801 | 84 | 5758 | 2.63 | ug/L # | 11 |
| 19) methyl tert butyl ether | 7.591 | 73 | 5172 | 1.02 | ug/L | 72 |
| 20) acrylonitrile | 6.725 | 53 | 6742 | 4.81 | ug/L | 90 |
| 21) allyl chloride | 6.894 | 41 | 2438 | 0.68 | ug/L | 70 |
| 22) trans-1,2-dichloroethene | 7.499 | 96 | 2395 | 1.25 | ug/L # | 80 |
| 23) iodomethane | 6.714 | 142 | 1465 | 1.65 | ug/L # | 38 |
| 24) carbon disulfide | 7.080 | 76 | 7984 | 1.45 | ug/L | 90 |
| 27) chloroprene | 8.115 | 53 | 2922 | 0.74 | ug/L # | 51 |
| 28) di-isopropyl ether | 8.157 | 45 | 8668 | 0.86 | ug/L | 94 |
| 29) methacrylonitrile | 8.284 | 41 | 2260 | 0.92 | ug/L # | 41 |
| 31) Hexane | 8.141 | 41 | 4244 | 1.05 | ug/L # | 40 |
| 32) 1,1-dichloroethane | 7.749 | 63 | 4988 | 1.16 | ug/L | 89 |
| 33) tert-butyl ethyl ether | 8.550 | 59 | 3943 | 0.46 | ug/L | 73 |
| 36) cis-1,2-dichloroethene | 8.317 | 96 | 2717 | 1.27 | ug/L | 78 |
| 37) bromochloromethane | 8.488 | 128 | 1020 | 1.17 | ug/L # | 39 |
| 38) chloroform | 8.524 | 83 | 4793 | 1.14 | ug/L | 82 |
| 41) 1,1,1-trichloroethane | 9.275 | 97 | 1730 | 0.54 | ug/L # | 26 |
| 43) Cyclohexane | 9.556 | 56 | 2571 | 0.62 | ug/L # | 55 |
| 44) carbon tetrachloride | 9.641 | 117 | 1606 | 0.86 | ug/L # | 59 |
| 45) 1,1-dichloropropene | 9.450 | 75 | 2868 | 0.98 | ug/L | 79 |
| 46) benzene | 9.679 | 78 | 8079 | 1.03 | ug/L | 90 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p16881.D
Acq On : 17 Apr 2007 5:36 pm
Operator : amym
Sample : ic577-1
Misc : ms13376,msp577,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 18 09:37:39 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 18 08:51:57 2007
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 47) 1,2-dichloroethane | 9.177 | 62 | 5578 | 1.26 ug/L | 74 |
| 48) tert-amyl methyl ether | 9.794 | 73 | 3168 | 0.56 ug/L # | 33 |
| 49) heptane | 10.151 | 43 | 2406 | 0.76 ug/L | 82 |
| 50) trichloroethene | 10.295 | 95 | 2371 | 1.03 ug/L | 88 |
| 51) 1,2-dichloropropane | 10.263 | 63 | 2373 | 1.00 ug/L | 86 |
| 52) dibromomethane | 10.237 | 93 | 1671 | 1.34 ug/L # | 52 |
| 53) bromodichloromethane | 10.349 | 83 | 3113 | 1.09 ug/L | 78 |
| 54) Methylcyclohexane | 10.813 | 83 | 1686 | 0.65 ug/L # | 1 |
| 58) cis-1,3-dichloropropene | 10.973 | 75 | 745m | 0.23 ug/L | |
| 60) 4-methyl-2-pentanone | 11.086 | 43 | 2476 | 0.60 ug/L # | 41 |
| 61) toluene | 11.744 | 92 | 5695 | 1.17 ug/L | 88 |
| 62) trans-1,3-dichloropropene | 11.386 | 75 | 283m | 0.09 ug/L | |
| 63) 1,1,2-trichloroethane | 11.558 | 83 | 1882 | 1.08 ug/L # | 75 |
| 64) ethyl methacrylate | 11.771 | 69 | 1892 | 0.67 ug/L # | 21 |
| 66) tetrachloroethene | 12.481 | 166 | 1859 | 1.05 ug/L | 76 |
| 67) 1,3-dichloropropane | 11.795 | 76 | 3998 | 1.12 ug/L | 60 |
| 68) dibromochloromethane | 12.084 | 129 | 1717 | 0.72 ug/L | 100 |
| 69) 1,2-dibromoethane | 12.341 | 107 | 2105 | 0.97 ug/L # | 42 |
| 71) chlorobenzene | 13.165 | 112 | 6375 | 1.27 ug/L # | 72 |
| 72) 1,1,1,2-tetrachloroethane | 13.082 | 131 | 1725 | 0.84 ug/L # | 81 |
| 73) ethylbenzene | 13.341 | 91 | 8105 | 0.80 ug/L | 78 |
| 74) m,p-xylene | 13.527 | 106 | 5830 | 1.83 ug/L # | 43 |
| 75) o-xylene | 13.939 | 106 | 2439 | 0.77 ug/L # | 62 |
| 76) styrene | 13.868 | 104 | 2969 | 0.51 ug/L | 85 |
| 77) bromoform | 13.695 | 173 | 949m | 0.55 ug/L | |
| 80) isopropylbenzene | 14.298 | 105 | 5009 | 0.66 ug/L # | 29 |
| 82) bromobenzene | 14.590 | 156 | 2592 | 1.22 ug/L | 82 |
| 83) 1,1,2,2-tetrachloroethane | 13.941 | 83 | 3223 | 1.18 ug/L | 85 |
| 84) 1,2,3-trichloropropane | 14.088 | 75 | 3122 | 1.00 ug/L | 98 |
| 85) n-propylbenzene | 14.750 | 91 | 7759 | 0.72 ug/L | 97 |
| 86) 2-chlorotoluene | 14.866 | 91 | 6751 | 0.93 ug/L | 67 |
| 87) 4-chlorotoluene | 14.945 | 91 | 5409 | 0.72 ug/L | 98 |
| 88) 1,3,5-trimethylbenzene | 15.024 | 105 | 5154 | 0.69 ug/L | 85 |
| 89) tert-butylbenzene | 15.326 | 91 | 3025 | 0.62 ug/L # | 55 |
| 90) 1,2,4-trimethylbenzene | 15.431 | 105 | 5269 | 0.68 ug/L | 98 |
| 91) sec-butylbenzene | 15.549 | 105 | 5792 | 0.68 ug/L | 99 |
| 92) 1,3-dichlorobenzene | 15.655 | 146 | 4270 | 1.09 ug/L | 79 |
| 93) p-isopropyltoluene | 15.724 | 119 | 6112 | 0.92 ug/L | 78 |
| 94) 1,4-dichlorobenzene | 15.720 | 146 | 5267 | 1.40 ug/L | 89 |
| 95) 1,2-dichlorobenzene | 16.092 | 146 | 3781m | 0.96 ug/L | |
| 96) n-butylbenzene | 16.154 | 91 | 4854 | 0.64 ug/L | 97 |
| 97) 1,2-dibromo-3-chloropr... | 16.566 | 75 | 1021 | 1.23 ug/L # | 20 |
| 98) 1,2,4-trichlorobenzene | 17.923 | 180 | 2403 | 0.91 ug/L | 97 |
| 99) hexachlorobutadiene | 18.207 | 225 | 1084 | 1.11 ug/L # | 39 |
| 100) naphthalene | 18.196 | 128 | 6138 | 0.75 ug/L | 100 |
| 101) 1,2,3-trichlorobenzene | 18.397 | 180 | 2985 | 1.19 ug/L | 79 |

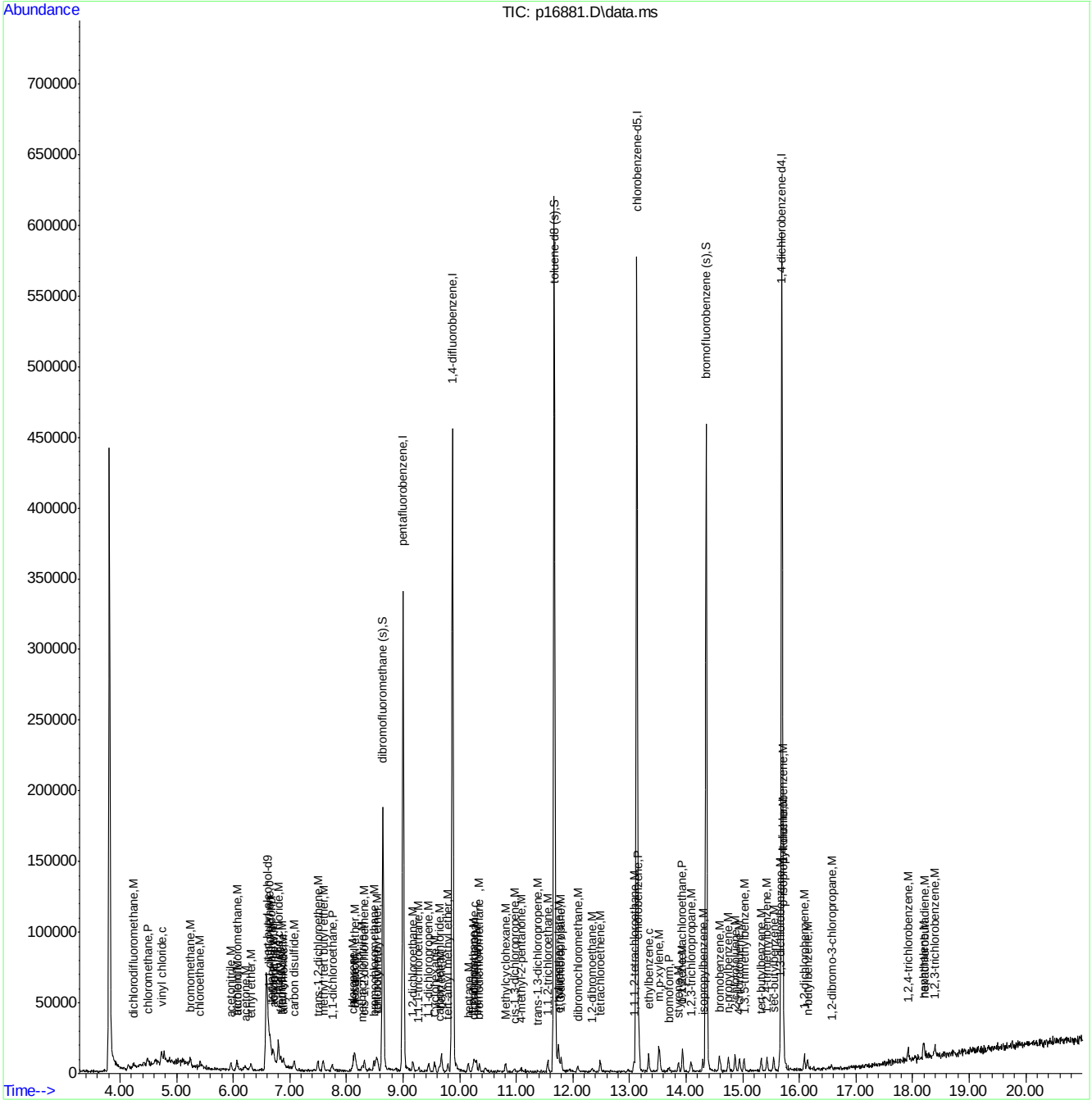
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p16881.D
Acq On : 17 Apr 2007 5:36 pm
Operator : amym
Sample : ic577-1
Misc : ms13376,msp577,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 18 09:37:39 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 18 08:51:57 2007
Response via : Initial Calibration







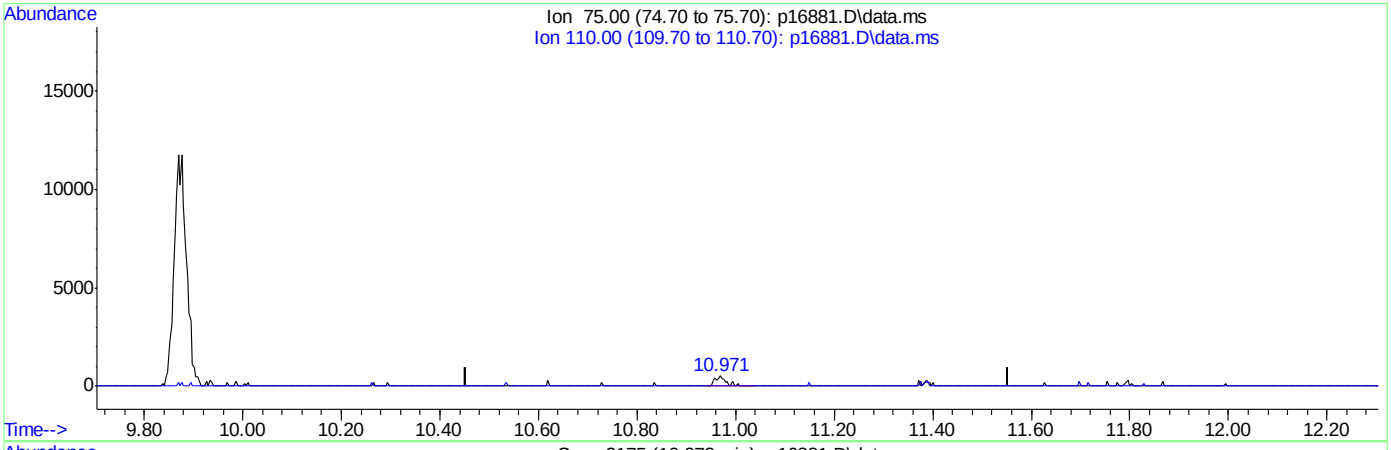

ACCUTEST Laboratories
M64162

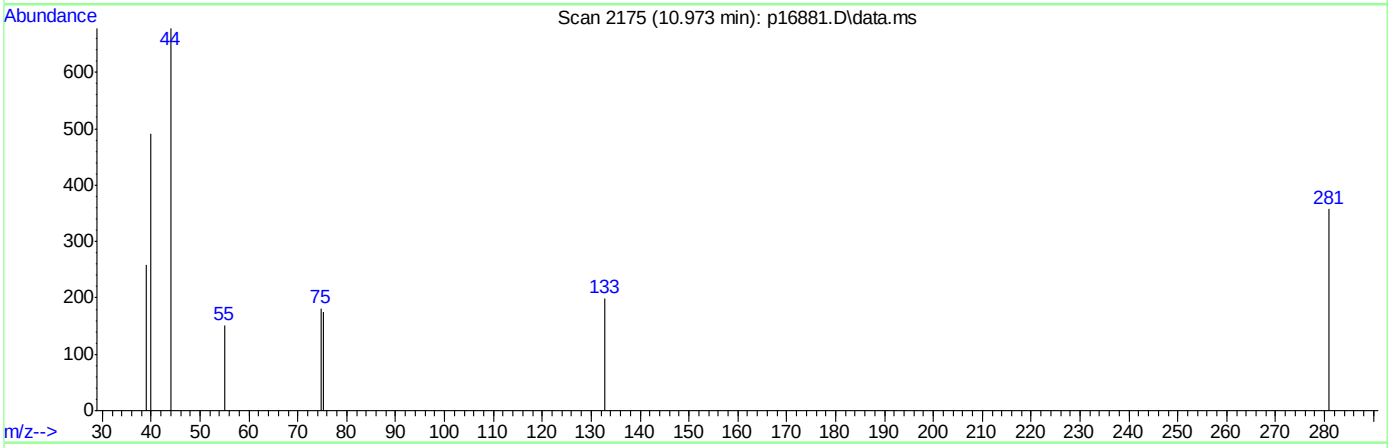
Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : p16881.D
Acq On    : 17 Apr 2007   5:36 pm
Operator  : amym
Sample    : ic577-1
Misc      : ms13376,msp577,,,,5,1
ALS Vial  : 7   Sample Multiplier: 1

Quant Time: Apr 18 08:52:22 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title  : SW-846 Method 8260
QLast Update : Wed Apr 18 08:51:57 2007
Response via : Initial Calibration
```






(58) cis-1,3-dichloropropene (M)

10.973min (+0.008) 0.23ug/L m

response 745

| Ion | Exp% | Act% |
|---|---|---|
| 75.00 | 100 | 100 |
| 110.00 | 26.30 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |



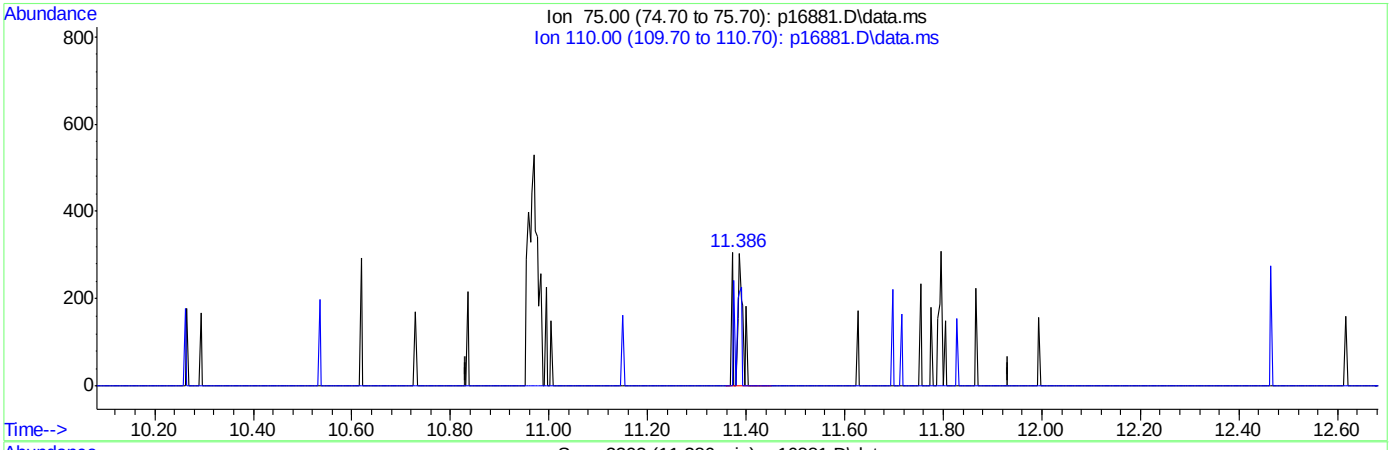
ACCUTEST Laboratories M64162

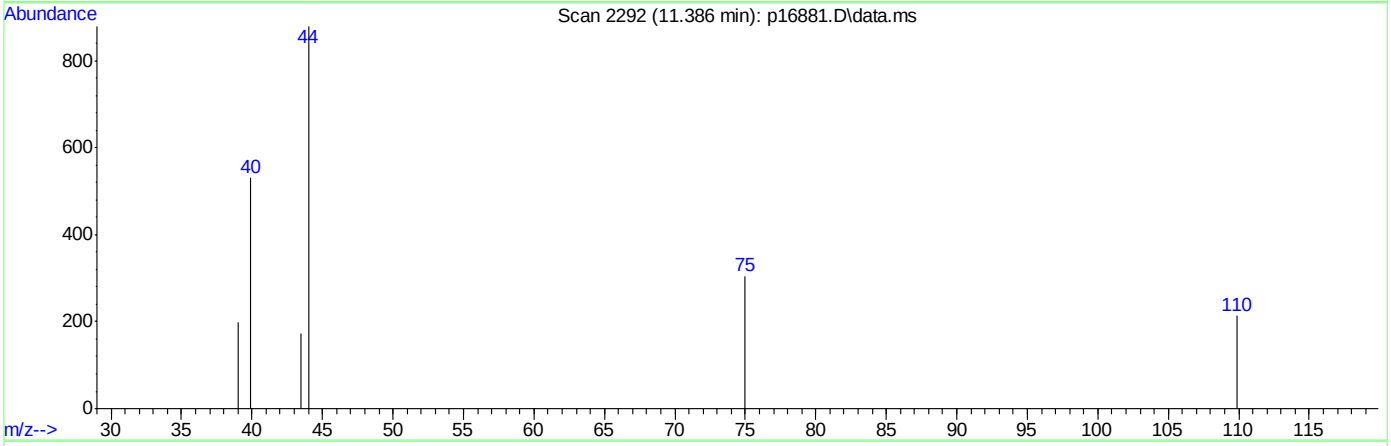
Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : p16881.D
Acq On    : 17 Apr 2007   5:36 pm
Operator  : amym
Sample    : ic577-1
Misc      : ms13376,msp577,,,,5,1
ALS Vial  : 7   Sample Multiplier: 1

Quant Time: Apr 18 08:52:22 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title  : SW-846 Method 8260
QLast Update : Wed Apr 18 08:51:57 2007
Response via : Initial Calibration
```






TIC: p16881.D\data.ms

(62) trans-1,3-dichloropropene (M)

11.386min (+0.004) 0.09ug/L m

response 283

| Ion | Exp% | Act% |
|---|---|---|
| 75.00 | 100 | 100 |
| 110.00 | 26.70 | 69.84# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |



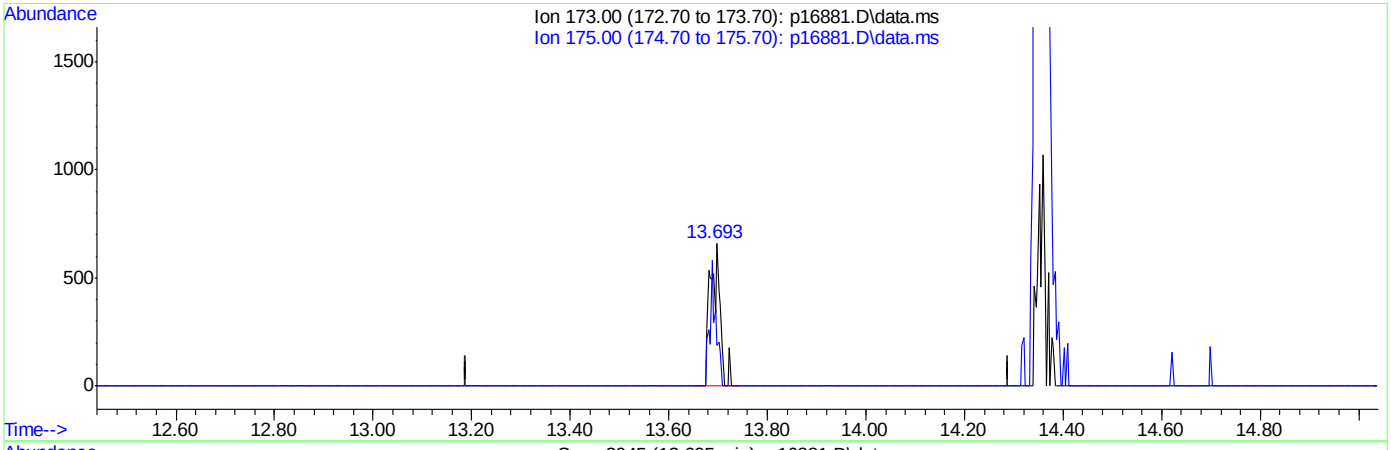
ACCUTEST Laboratories M64162

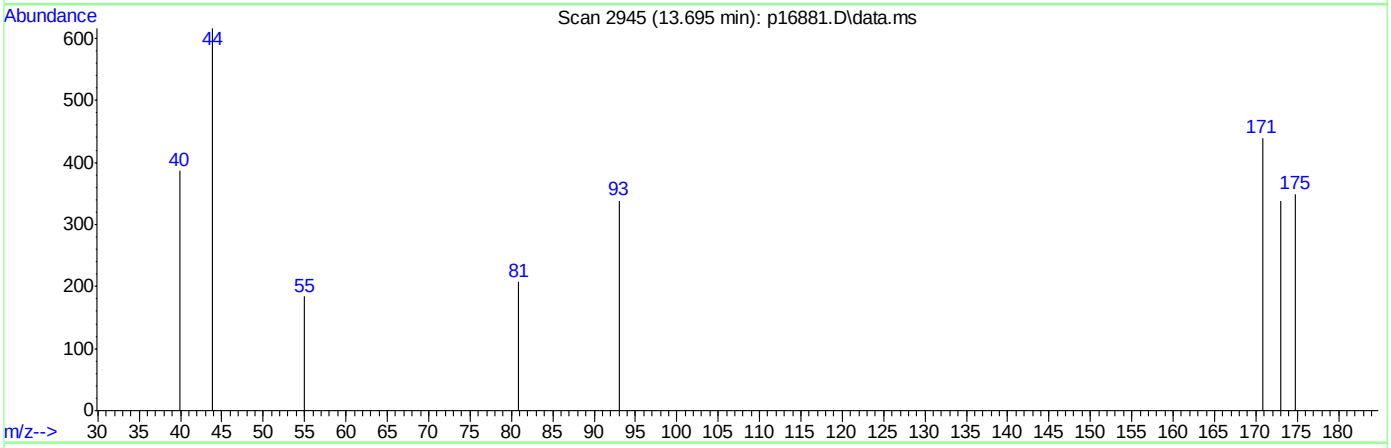
Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : p16881.D
Acq On    : 17 Apr 2007   5:36 pm
Operator  : amym
Sample    : ic577-1
Misc      : ms13376,msp577,,,,5,1
ALS Vial  : 7   Sample Multiplier: 1

Quant Time: Apr 18 08:52:22 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title  : SW-846 Method 8260
QLast Update : Wed Apr 18 08:51:57 2007
Response via : Initial Calibration
```






TIC: p16881.D\data.ms

(77) bromoform (P)

13.695min (+0.005) 0.55ug/L m

response 949

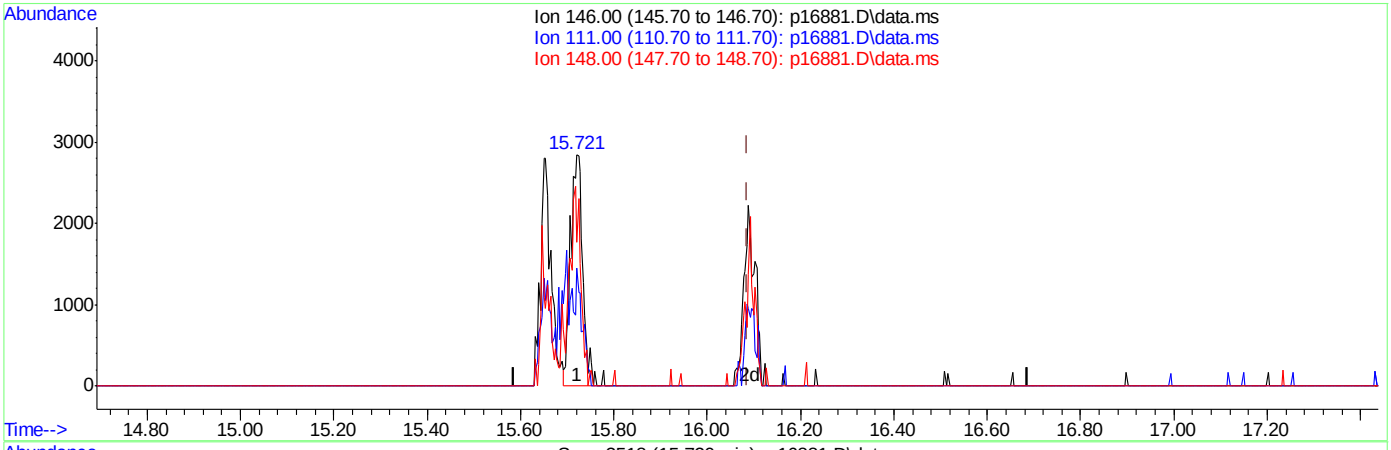
| Ion | Exp% | Act% |
|---|---|---|
| 173.00 | 100 | 100 |
| 175.00 | 49.00 | 103.56# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

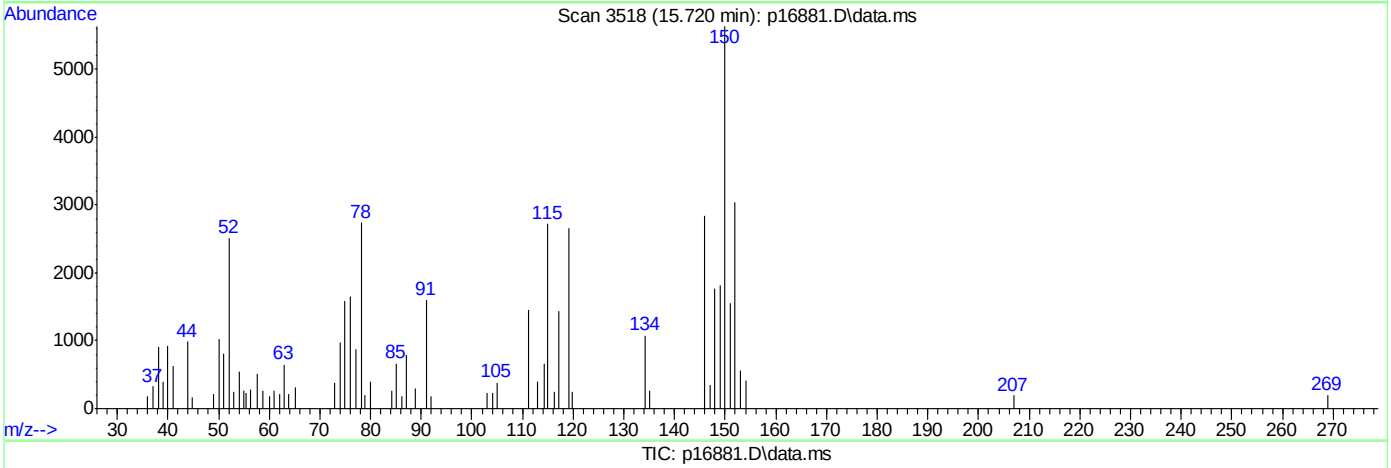
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : p16881.D
Acq On : 17 Apr 2007 5:36 pm
Operator : amym
Sample : ic577-1
Misc : ms13376,msp577,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 18 08:52:22 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 18 08:51:57 2007
Response via : Initial Calibration






(95) 1,2-dichlorobenzene (M)

15.721min (-0.367) 1.32ug/L

response 5186

| Ion | Exp% | Act% |
|---|---|---|
| 146.00 | 100 | 100 |
| 111.00 | 37.60 | 51.16 |
| 148.00 | 64.70 | 62.25 |
| 0.00 | 0.00 | 0.00 |



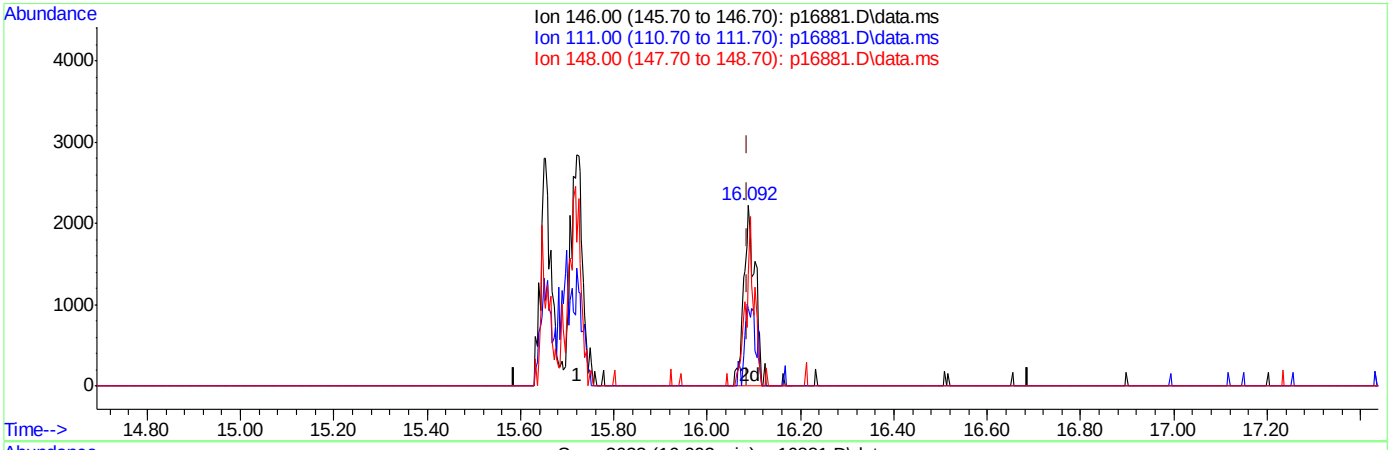
ACCUTEST Laboratories M64162

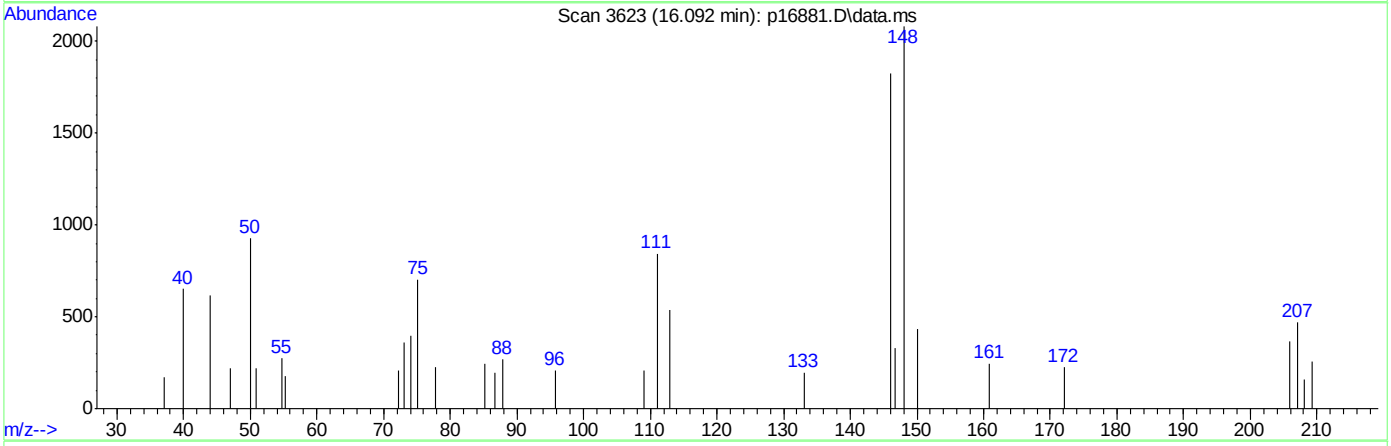
Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : p16881.D
Acq On    : 17 Apr 2007   5:36 pm
Operator  : amym
Sample    : ic577-1
Misc      : ms13376,msp577,,,,5,1
ALS Vial  : 7   Sample Multiplier: 1

Quant Time: Apr 18 08:52:22 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title  : SW-846 Method 8260
QLast Update : Wed Apr 18 08:51:57 2007
Response via : Initial Calibration
```






(95) 1,2-dichlorobenzene (M)

16.092min (+0.004) 0.96ug/L m

response 3781

| Ion | Exp% | Act% |
|---|---|---|
| 146.00 | 100 | 100 |
| 111.00 | 37.60 | 46.25 |
| 148.00 | 64.70 | 114.03# |
| 0.00 | 0.00 | 0.00 |



ACCUTEST Laboratories M64162

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 04/20/07 09:20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p16882.D
Acq On : 17 Apr 2007 6:04 pm
Operator : amym
Sample : ic577-2
Misc : ms13376,msp577,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 18 09:39:55 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 18 08:51:57 2007
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 6.619 | 65 | 108737 | 500.00 | ug/L | 0.03 |
| 3) pentafluorobenzene | 9.005 | 168 | 182308 | 50.00 | ug/L | 0.00 |
| 42) 1,4-difluorobenzene | 9.876 | 114 | 304041 | 50.00 | ug/L | 0.00 |
| 65) chlorobenzene-d5 | 13.132 | 82 | 182039 | 50.00 | ug/L | 0.00 |
| 79) 1,4-dichlorobenzene-d4 | 15.692 | 152 | 138984 | 50.00 | ug/L | 0.00 |

System Monitoring Compounds

| | | | | | | |
|---|---|---|---|---|---|---|
| 39) dibromofluoromethane (s) | 8.648 | 113 | 107708 | 52.46 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 85 - 129 | | Recovery = 104.92% | | | |
| 59) toluene-d8 (s) | 11.673 | 98 | 385653 | 50.41 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 100.82% | | | |
| 81) bromofluorobenzene (s) | 14.357 | 95 | 167374 | 48.68 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 119 | | Recovery = 97.36% | | | |

Target Compounds

| | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 2) tertiary butyl alcohol | 6.698 | 59 | 9021 | 22.23 | ug/L # | 79 |
| 5) dichlorodifluoromethane | 4.240 | 85 | 7519 | 2.56 | ug/L | 74 |
| 6) chloromethane | 4.496 | 50 | 9636 | 2.75 | ug/L | 87 |
| 7) vinyl chloride | 4.742 | 62 | 7459 | 3.02 | ug/L | 98 |
| 8) bromomethane | 5.244 | 96 | 5886 | 3.68 | ug/L | 80 |
| 9) chloroethane | 5.413 | 64 | 3987 | 2.69 | ug/L | 93 |
| 10) ethyl ether | 6.314 | 59 | 4977 | 2.14 | ug/L # | 56 |
| 11) acetonitrile | 5.962 | 41 | 7595 | 5.54 | ug/L | 85 |
| 12) trichlorofluoromethane | 6.066 | 101 | 8814 | 2.70 | ug/L | 69 |
| 13) freon-113 | 6.841 | 101 | 5072 | 3.00 | ug/L # | 65 |
| 14) acrolein | 6.078 | 56 | 8559 | 10.74 | ug/L | 94 |
| 15) 1,1-dichloroethene | 6.652 | 96 | 6501 | 3.55 | ug/L # | 45 |
| 16) acetone | 6.214 | 43 | 3968 | 2.29 | ug/L | 89 |
| 17) Methyl Acetate | 6.860 | 43 | 10760 | 2.51 | ug/L # | 82 |
| 18) methylene chloride | 6.802 | 84 | 9151 | 4.14 | ug/L # | 37 |
| 19) methyl tert butyl ether | 7.591 | 73 | 11583 | 2.26 | ug/L | 100 |
| 20) acrylonitrile | 6.716 | 53 | 13882 | 9.78 | ug/L | 86 |
| 21) allyl chloride | 6.895 | 41 | 5543 | 1.54 | ug/L | 84 |
| 22) trans-1,2-dichloroethene | 7.498 | 96 | 4757 | 2.46 | ug/L # | 38 |
| 23) iodomethane | 6.716 | 142 | 2199 | 2.45 | ug/L | 64 |
| 24) carbon disulfide | 7.083 | 76 | 15300 | 2.75 | ug/L | 93 |
| 25) propionitrile | 7.798 | 54 | 951m | 1.64 | ug/L | |
| 27) chloroprene | 8.118 | 53 | 7522 | 1.89 | ug/L # | 51 |
| 28) di-isopropyl ether | 8.159 | 45 | 22299 | 2.18 | ug/L | 73 |
| 29) methacrylonitrile | 8.288 | 41 | 5093 | 2.05 | ug/L # | 39 |
| 30) 2-butanone | 8.187 | 72 | 694m | 2.32 | ug/L | |
| 31) Hexane | 8.145 | 41 | 11071 | 2.72 | ug/L # | 75 |
| 32) 1,1-dichloroethane | 7.750 | 63 | 11040 | 2.55 | ug/L | 85 |
| 33) tert-butyl ethyl ether | 8.550 | 59 | 8765 | 1.02 | ug/L | 85 |
| 34) isobutyl alcohol | 8.544 | 43 | 3012m | 15.66 | ug/L | |
| 35) 2,2-dichloropropane | 8.632 | 77 | 34m | 0.02 | ug/L | |
| 36) cis-1,2-dichloroethene | 8.323 | 96 | 5911 | 2.73 | ug/L # | 69 |
| 37) bromochloromethane | 8.488 | 128 | 2120 | 2.41 | ug/L # | 1 |
| 38) chloroform | 8.525 | 83 | 11258 | 2.65 | ug/L | 89 |
| 40) Tetrahydrofuran | 8.872 | 42 | 1966 | 1.59 | ug/L | 87 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p16882.D
Acq On : 17 Apr 2007 6:04 pm
Operator : amym
Sample : ic577-2
Misc : ms13376,msp577,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 18 09:39:55 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 18 08:51:57 2007
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 41) 1,1,1-trichloroethane | 9.277 | 97 | 4782 | 1.49 ug/L # | 53 |
| 43) Cyclohexane | 9.559 | 56 | 8234 | 1.97 ug/L # | 70 |
| 44) carbon tetrachloride | 9.642 | 117 | 4523 | 2.39 ug/L | 71 |
| 45) 1,1-dichloropropene | 9.452 | 75 | 6194 | 2.09 ug/L | 76 |
| 46) benzene | 9.679 | 78 | 20454 | 2.58 ug/L | 95 |
| 47) 1,2-dichloroethane | 9.178 | 62 | 11584 | 2.59 ug/L | 95 |
| 48) tert-amyl methyl ether | 9.794 | 73 | 6814 | 1.19 ug/L | 92 |
| 49) heptane | 10.152 | 43 | 6629 | 2.07 ug/L # | 63 |
| 50) trichloroethene | 10.296 | 95 | 5748 | 2.45 ug/L # | 82 |
| 51) 1,2-dichloropropane | 10.264 | 63 | 5517 | 2.29 ug/L | 86 |
| 52) dibromomethane | 10.238 | 93 | 3925 | 3.09 ug/L # | 54 |
| 53) bromodichloromethane | 10.349 | 83 | 7454 | 2.56 ug/L | 91 |
| 54) Methylcyclohexane | 10.812 | 83 | 4692 | 1.79 ug/L # | 76 |
| 56) methyl methacrylate | 10.448 | 69 | 2408 | 1.42 ug/L # | 50 |
| 58) cis-1,3-dichloropropene | 10.968 | 75 | 1784 | 0.55 ug/L | 49 |
| 60) 4-methyl-2-pentanone | 11.085 | 43 | 6209 | 1.47 ug/L # | 82 |
| 61) toluene | 11.745 | 92 | 13131 | 2.66 ug/L | 80 |
| 62) trans-1,3-dichloropropene | 11.391 | 75 | 1349 | 0.40 ug/L | 49 |
| 63) 1,1,2-trichloroethane | 11.559 | 83 | 4479 | 2.52 ug/L | 91 |
| 64) ethyl methacrylate | 11.772 | 69 | 3659 | 1.27 ug/L # | 1 |
| 66) tetrachloroethene | 12.485 | 166 | 4575 | 2.57 ug/L | 90 |
| 67) 1,3-dichloropropane | 11.797 | 76 | 9156 | 2.55 ug/L | 91 |
| 68) dibromochloromethane | 12.085 | 129 | 4090 | 1.71 ug/L | 95 |
| 69) 1,2-dibromoethane | 12.339 | 107 | 5087 | 2.33 ug/L | 89 |
| 70) 2-hexanone | 11.946 | 43 | 4426 | 1.45 ug/L | 79 |
| 71) chlorobenzene | 13.166 | 112 | 13340 | 2.64 ug/L | 87 |
| 72) 1,1,1,2-tetrachloroethane | 13.083 | 131 | 3573 | 1.74 ug/L | 83 |
| 73) ethylbenzene | 13.341 | 91 | 19149 | 1.88 ug/L | 80 |
| 74) m,p-xylene | 13.525 | 106 | 12639 | 3.95 ug/L # | 68 |
| 75) o-xylene | 13.938 | 106 | 6445 | 2.02 ug/L # | 61 |
| 76) styrene | 13.867 | 104 | 8010 | 1.38 ug/L | 74 |
| 77) bromoform | 13.692 | 173 | 2627 | 1.52 ug/L | 77 |
| 78) trans-1,4-dichloro-2-b... | 14.080 | 53 | 93m | 0.14 ug/L | |
| 80) isopropylbenzene | 14.300 | 105 | 11879 | 1.53 ug/L | 96 |
| 82) bromobenzene | 14.590 | 156 | 5093 | 2.36 ug/L # | 56 |
| 83) 1,1,2,2-tetrachloroethane | 13.939 | 83 | 7857 | 2.82 ug/L | 98 |
| 84) 1,2,3-trichloropropane | 14.089 | 75 | 6508 | 2.05 ug/L | 82 |
| 85) n-propylbenzene | 14.747 | 91 | 18295 | 1.66 ug/L | 88 |
| 86) 2-chlorotoluene | 14.865 | 91 | 13351 | 1.81 ug/L | 79 |
| 87) 4-chlorotoluene | 14.944 | 91 | 13717 | 1.79 ug/L | 79 |
| 88) 1,3,5-trimethylbenzene | 15.022 | 105 | 12552 | 1.65 ug/L | 81 |
| 89) tert-butylbenzene | 15.328 | 91 | 7347 | 1.48 ug/L # | 66 |
| 90) 1,2,4-trimethylbenzene | 15.431 | 105 | 12753 | 1.60 ug/L | 68 |
| 91) sec-butylbenzene | 15.550 | 105 | 14311 | 1.66 ug/L | 83 |
| 92) 1,3-dichlorobenzene | 15.654 | 146 | 9219 | 2.30 ug/L | 76 |
| 93) p-isopropyltoluene | 15.722 | 119 | 15139 | 2.23 ug/L | 89 |
| 94) 1,4-dichlorobenzene | 15.719 | 146 | 10958 | 2.86 ug/L | 90 |
| 95) 1,2-dichlorobenzene | 16.091 | 146 | 8518 | 2.13 ug/L | 85 |
| 96) n-butylbenzene | 16.148 | 91 | 11931 | 1.55 ug/L | 78 |
| 97) 1,2-dibromo-3-chloropr... | 16.568 | 75 | 1528 | 1.80 ug/L # | 44 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p16882.D
Acq On : 17 Apr 2007 6:04 pm
Operator : amym
Sample : ic577-2
Misc : ms13376,msp577,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 18 09:39:55 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 18 08:51:57 2007
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 98) 1,2,4-trichlorobenzene | 17.923 | 180 | 5151 | 1.91 ug/L | 75 |
| 99) hexachlorobutadiene | 18.206 | 225 | 2460 | 2.48 ug/L # | 39 |
| 100) naphthalene | 18.195 | 128 | 14689 | 1.77 ug/L | 100 |
| 101) 1,2,3-trichlorobenzene | 18.397 | 180 | 5513 | 2.16 ug/L | 73 |

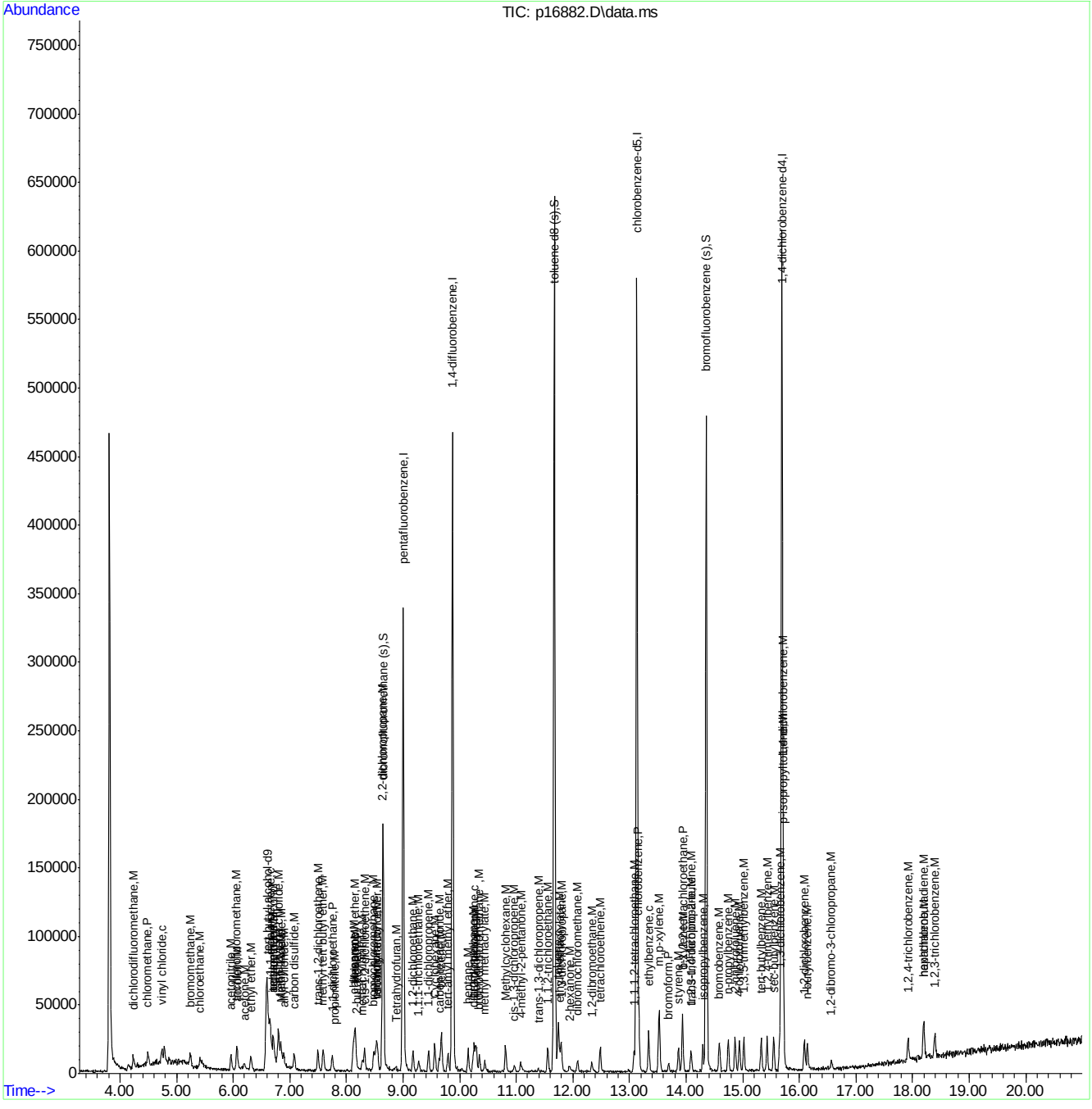
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p16882.D
Acq On : 17 Apr 2007 6:04 pm
Operator : amym
Sample : ic577-2
Misc : ms13376,msp577,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 18 09:39:55 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 18 08:51:57 2007
Response via : Initial Calibration







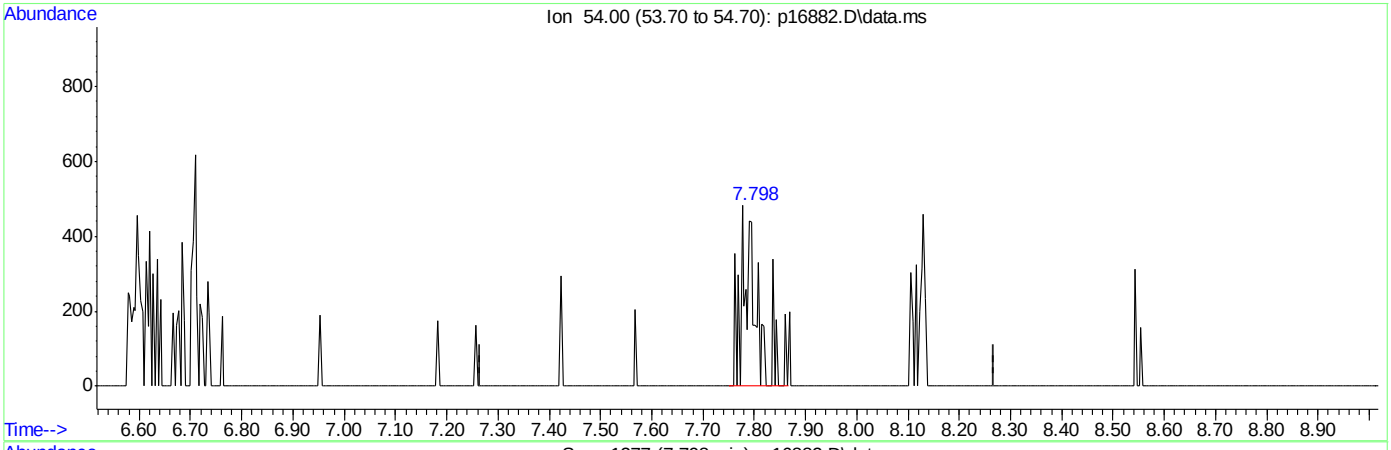

ACCUTEST Laboratories M64162

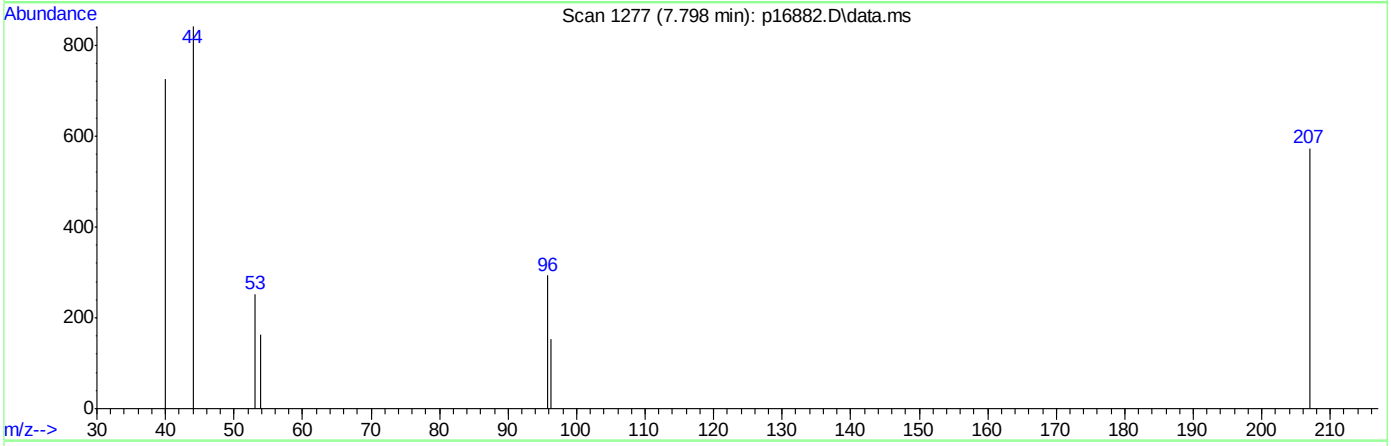
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : p16882.D
Acq On : 17 Apr 2007 6:04 pm
Operator : amym
Sample : ic577-2
Misc : ms13376,msp577,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 18 08:52:26 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 18 08:51:57 2007
Response via : Initial Calibration






TIC: p16882.D\data.ms

(25) propionitrile (M)

7.798min (+0.030) 1.64ug/L m

response 951

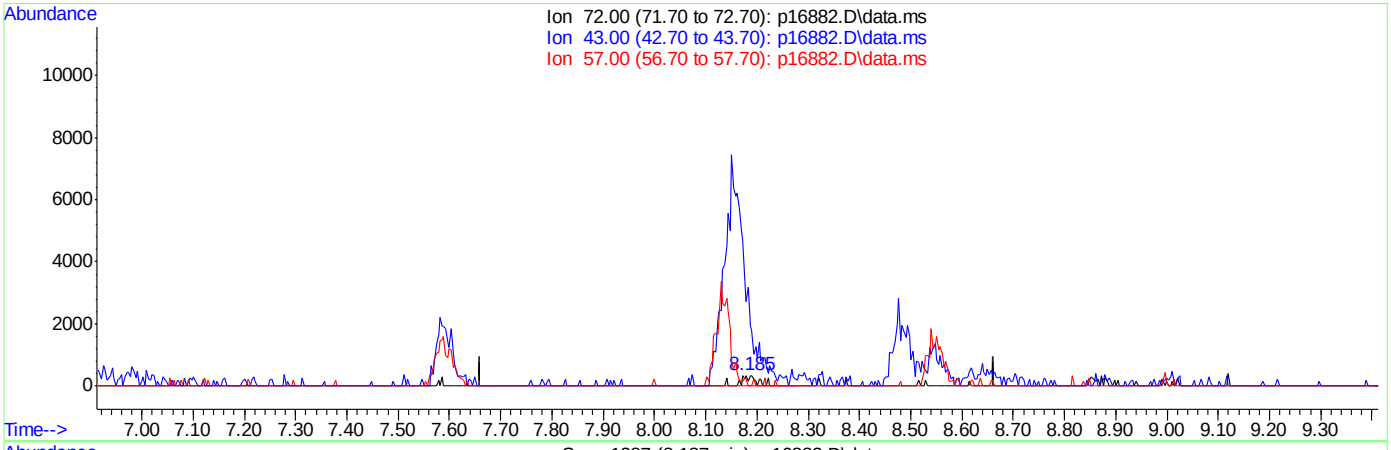
| Ion | Exp% | Act% |
|---|---|---|
| 54.00 | 100 | 100 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

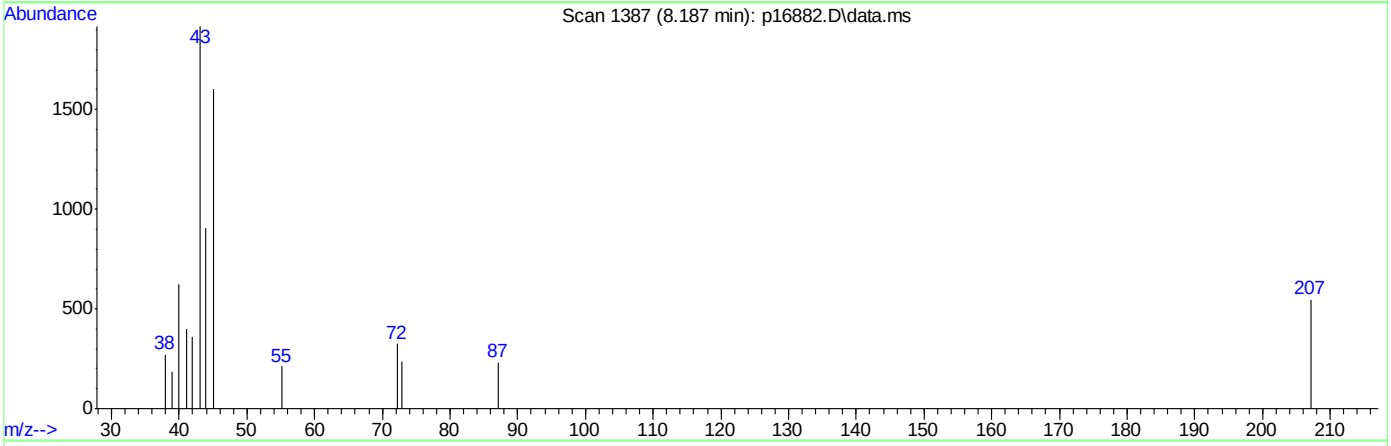
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : p16882.D
Acq On : 17 Apr 2007 6:04 pm
Operator : amym
Sample : ic577-2
Misc : ms13376,msp577,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 18 08:52:26 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 18 08:51:57 2007
Response via : Initial Calibration






TIC: p16882.D\data.ms

(30) 2-butanone (M)

8.187min (+0.024) 2.32ug/L m

response 694

| Ion | Exp% | Act% |
|---|---|---|
| 72.00 | 100 | 100 |
| 43.00 | 789.30 | 588.04# |
| 57.00 | 59.90 | 0.00# |
| 0.00 | 0.00 | 0.00 |



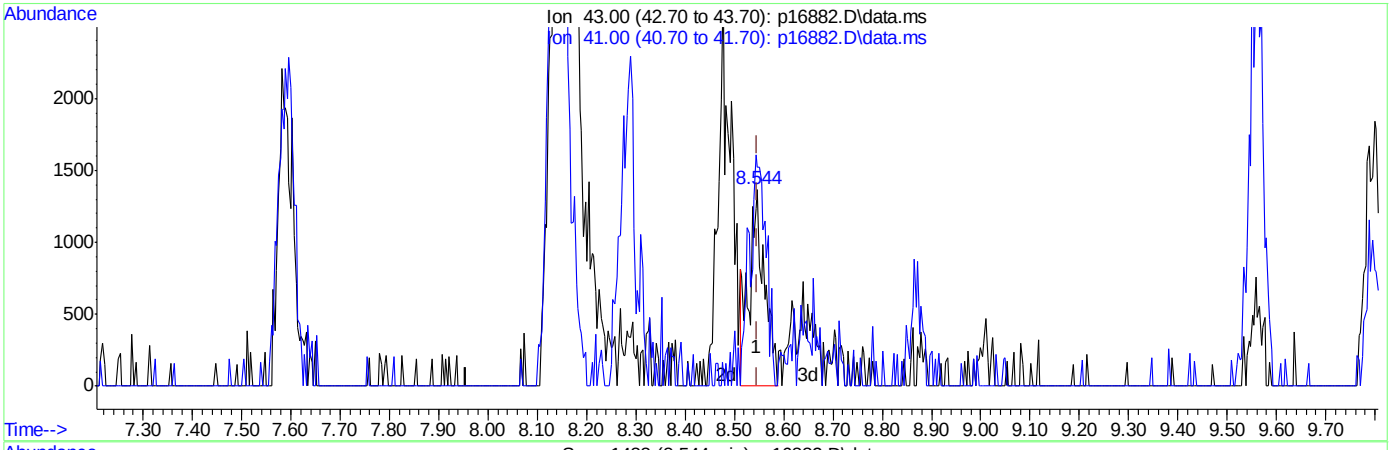
ACCUTEST Laboratories M64162

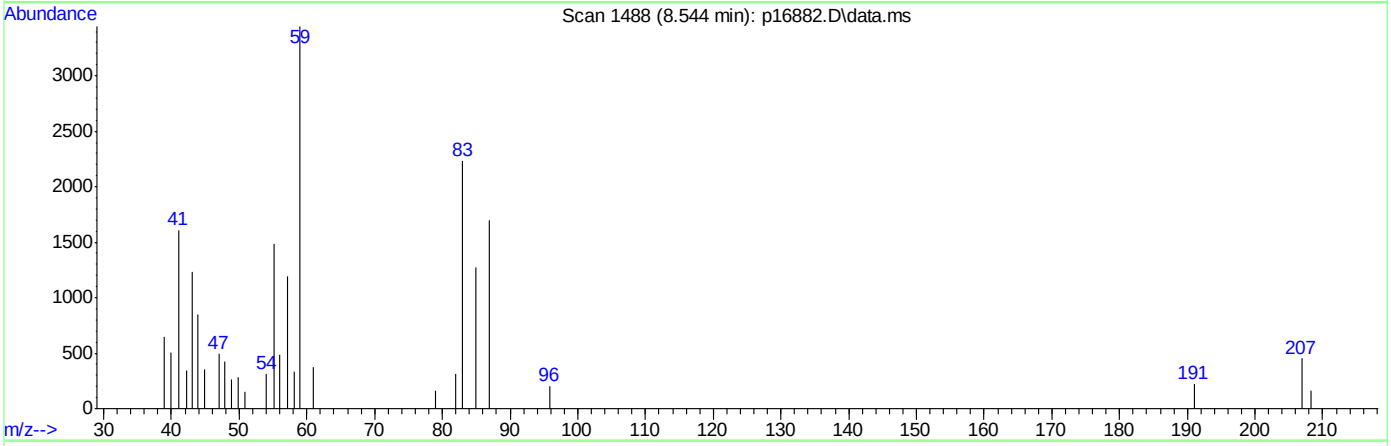
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : p16882.D
Acq On : 17 Apr 2007 6:04 pm
Operator : amym
Sample : ic577-2
Misc : ms13376,msp577,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 18 08:52:26 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 18 08:51:57 2007
Response via : Initial Calibration






TIC: p16882.D\data.ms

(34) isobutyl alcohol (M)

8.544min (-0.003) 15.66ug/L m

response 3012

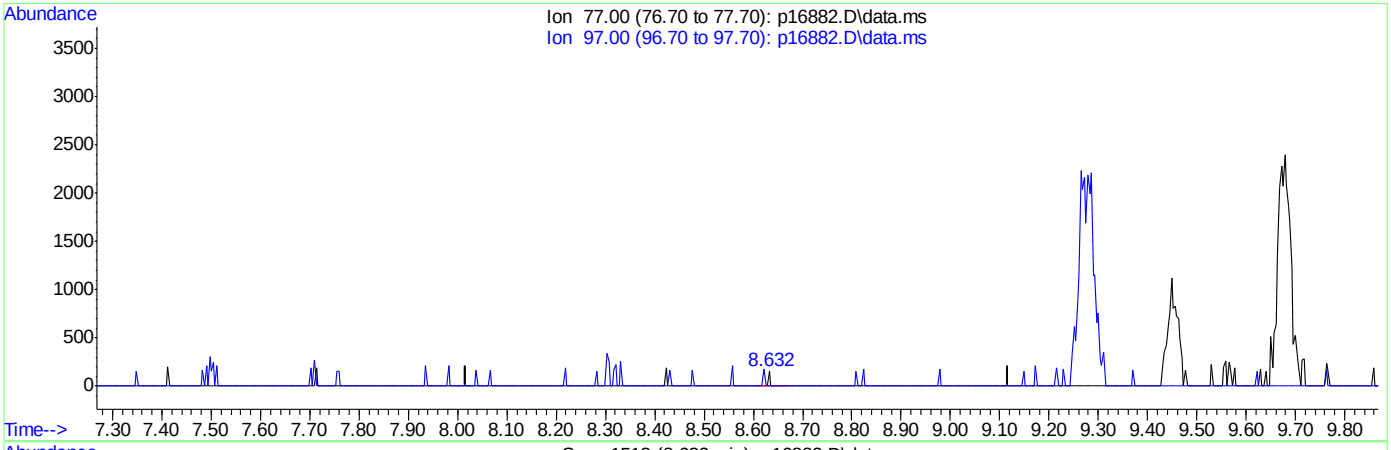
| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 41.00 | 88.50 | 130.79# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

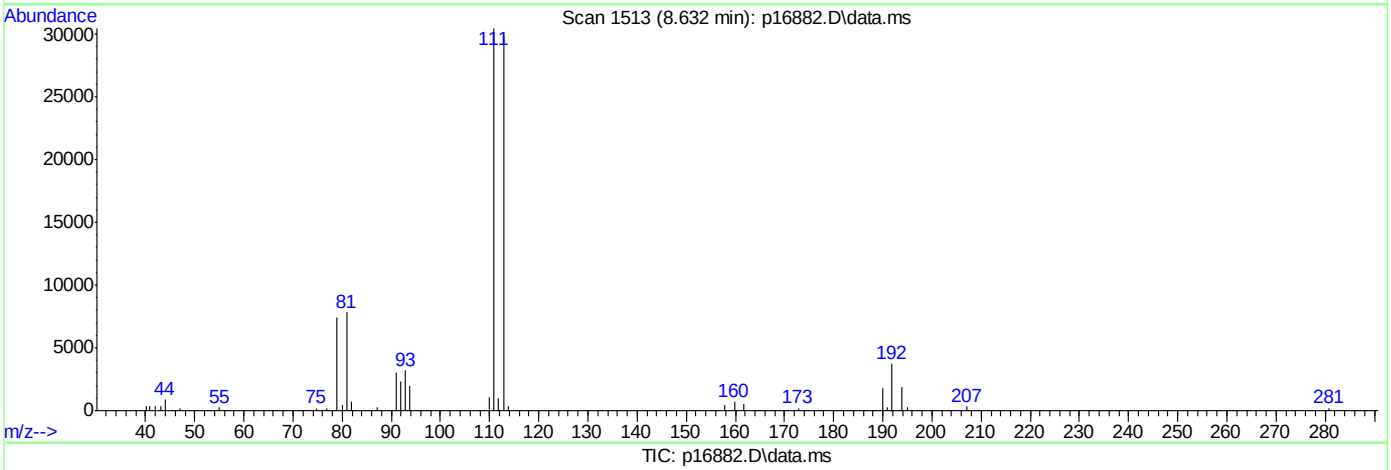
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : p16882.D
Acq On : 17 Apr 2007 6:04 pm
Operator : amym
Sample : ic577-2
Misc : ms13376,msp577,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 18 08:52:26 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 18 08:51:57 2007
Response via : Initial Calibration






(35) 2,2-dichloropropane (M)

8.632min (+0.024) 0.02ug/L m

response 34

| Ion | Exp% | Act% |
|---|---|---|
| 77.00 | 100 | 100 |
| 97.00 | 20.90 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |



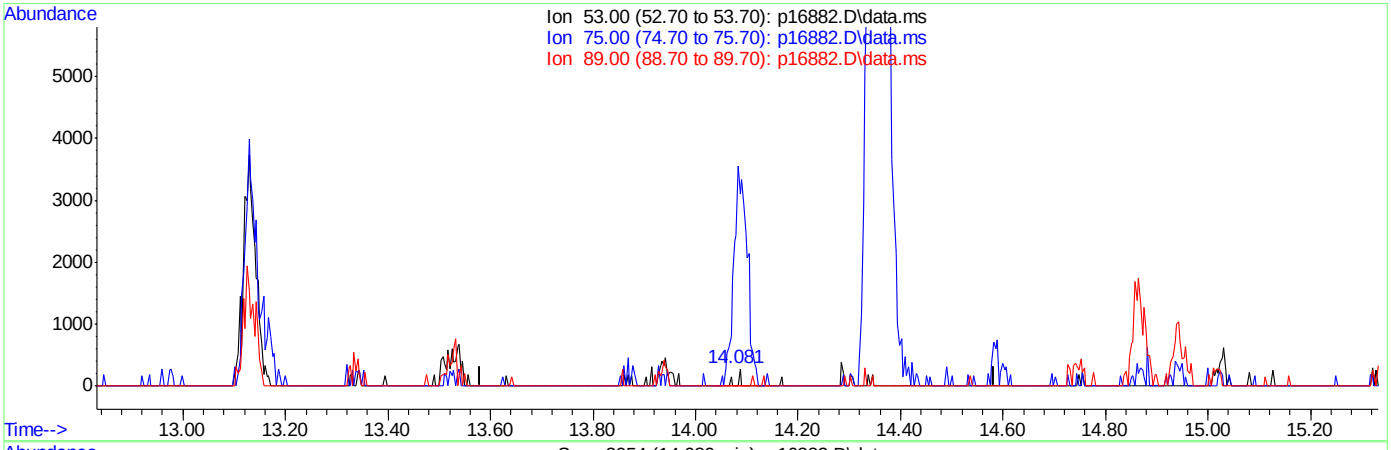
ACCUTEST Laboratories M64162

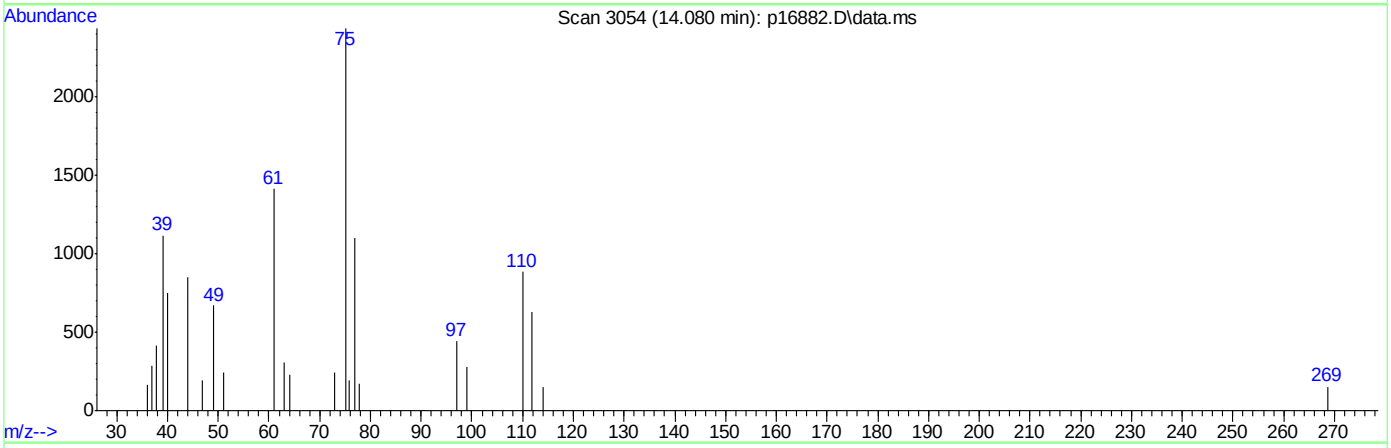
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : p16882.D
Acq On : 17 Apr 2007 6:04 pm
Operator : amym
Sample : ic577-2
Misc : ms13376,msp577,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 18 08:52:26 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 18 08:51:57 2007
Response via : Initial Calibration






TIC: p16882.D\data.ms

(78) trans-1,4-dichloro-2-butene (M)

14.080min (-0.002) 0.14ug/L m

response 93

| Ion | Exp% | Act% |
|---|---|---|
| 53.00 | 100 | 100 |
| 75.00 | 1005.40 | 243300.00# |
| 89.00 | 82.20 | 0.00# |
| 0.00 | 0.00 | 0.00 |

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 04/20/07 09:20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p16883.D
Acq On : 17 Apr 2007 6:33 pm
Operator : amym
Sample : ic577-5
Misc : ms13376,msp577,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 18 09:41:30 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 18 08:51:57 2007
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 6.605 | 65 | 112035 | 500.00 | ug/L | 0.01 |
| 3) pentafluorobenzene | 9.004 | 168 | 185831 | 50.00 | ug/L | 0.00 |
| 42) 1,4-difluorobenzene | 9.875 | 114 | 314993 | 50.00 | ug/L | 0.00 |
| 65) chlorobenzene-d5 | 13.132 | 82 | 187338 | 50.00 | ug/L | 0.00 |
| 79) 1,4-dichlorobenzene-d4 | 15.692 | 152 | 143363 | 50.00 | ug/L | 0.00 |

System Monitoring Compounds

| | | | | | | |
|---|---|---|---|---|---|---|
| 39) dibromofluoromethane (s) | 8.648 | 113 | 111165 | 53.12 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 85 - 129 | | Recovery = 106.24% | | | |
| 59) toluene-d8 (s) | 11.673 | 98 | 399112 | 50.36 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 100.72% | | | |
| 81) bromofluorobenzene (s) | 14.356 | 95 | 176052 | 49.64 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 119 | | Recovery = 99.28% | | | |

Target Compounds

| | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 2) tertiary butyl alcohol | 6.688 | 59 | 18546 | 44.35 | ug/L | 90 |
| 5) dichlorodifluoromethane | 4.240 | 85 | 12569 | 4.19 | ug/L | 85 |
| 6) chloromethane | 4.496 | 50 | 21409 | 5.99 | ug/L | 94 |
| 7) vinyl chloride | 4.741 | 62 | 14406 | 5.72 | ug/L | 90 |
| 8) bromomethane | 5.245 | 96 | 10828 | 6.65 | ug/L | 98 |
| 9) chloroethane | 5.413 | 64 | 9066 | 6.01 | ug/L | 100 |
| 10) ethyl ether | 6.312 | 59 | 11737 | 4.96 | ug/L | 65 |
| 11) acetonitrile | 5.961 | 41 | 16596 | 11.88 | ug/L | 96 |
| 12) trichlorofluoromethane | 6.064 | 101 | 15194 | 4.56 | ug/L | 86 |
| 13) freon-113 | 6.840 | 101 | 7464 | 4.33 | ug/L | 78 |
| 14) acrolein | 6.075 | 56 | 16994 | 20.93 | ug/L | 90 |
| 15) 1,1-dichloroethene | 6.653 | 96 | 13329 | 7.14 | ug/L # | 41 |
| 16) acetone | 6.219 | 43 | 6542 | 3.71 | ug/L | 86 |
| 17) Methyl Acetate | 6.848 | 43 | 19793 | 4.53 | ug/L # | 91 |
| 18) methylene chloride | 6.802 | 84 | 15866 | 7.04 | ug/L # | 21 |
| 19) methyl tert butyl ether | 7.591 | 73 | 26109 | 4.99 | ug/L | 74 |
| 20) acrylonitrile | 6.727 | 53 | 33853m | 23.41 | ug/L | |
| 21) allyl chloride | 6.896 | 41 | 13631 | 3.71 | ug/L | 73 |
| 22) trans-1,2-dichloroethene | 7.494 | 96 | 10247 | 5.19 | ug/L # | 50 |
| 23) iodomethane | 6.716 | 142 | 3848 | 4.20 | ug/L | 83 |
| 24) carbon disulfide | 7.083 | 76 | 29441 | 5.18 | ug/L | 94 |
| 25) propionitrile | 7.795 | 54 | 2186 | 3.71 | ug/L | 100 |
| 26) vinyl acetate | 7.879 | 43 | 1142 | 0.61 | ug/L | 70 |
| 27) chloroprene | 8.117 | 53 | 17267 | 4.26 | ug/L | 64 |
| 28) di-isopropyl ether | 8.156 | 45 | 55070 | 5.27 | ug/L | 70 |
| 29) methacrylonitrile | 8.280 | 41 | 9652 | 3.81 | ug/L # | 64 |
| 30) 2-butanone | 8.182 | 72 | 1252 | 4.11 | ug/L # | 1 |
| 31) Hexane | 8.144 | 41 | 19688 | 4.75 | ug/L # | 73 |
| 32) 1,1-dichloroethane | 7.750 | 63 | 24333 | 5.51 | ug/L | 96 |
| 33) tert-butyl ethyl ether | 8.550 | 59 | 20593 | 2.35 | ug/L | 83 |
| 34) isobutyl alcohol | 8.526 | 43 | 8971m | 45.77 | ug/L | |
| 35) 2,2-dichloropropane | 8.615 | 77 | 200m | 0.11 | ug/L | |
| 36) cis-1,2-dichloroethene | 8.321 | 96 | 12065 | 5.46 | ug/L # | 55 |
| 37) bromochloromethane | 8.488 | 128 | 4933 | 5.50 | ug/L # | 23 |
| 38) chloroform | 8.525 | 83 | 25821 | 5.96 | ug/L | 87 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p16883.D
Acq On : 17 Apr 2007 6:33 pm
Operator : amym
Sample : ic577-5
Misc : ms13376,msp577,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 18 09:41:30 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 18 08:51:57 2007
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 40) Tetrahydrofuran | 8.869 | 42 | 4823 | 3.82 ug/L # | 54 |
| 41) 1,1,1-trichloroethane | 9.276 | 97 | 12030 | 3.67 ug/L | 88 |
| 43) Cyclohexane | 9.560 | 56 | 14114 | 3.25 ug/L # | 75 |
| 44) carbon tetrachloride | 9.640 | 117 | 10262 | 5.24 ug/L | 98 |
| 45) 1,1-dichloropropene | 9.452 | 75 | 13234 | 4.31 ug/L | 96 |
| 46) benzene | 9.679 | 78 | 45572 | 5.55 ug/L | 94 |
| 47) 1,2-dichloroethane | 9.179 | 62 | 25394 | 5.48 ug/L | 89 |
| 48) tert-amyl methyl ether | 9.795 | 73 | 15217 | 2.56 ug/L | 68 |
| 49) heptane | 10.152 | 43 | 11483 | 3.45 ug/L # | 76 |
| 50) trichloroethene | 10.296 | 95 | 12568 | 5.18 ug/L # | 71 |
| 51) 1,2-dichloropropane | 10.263 | 63 | 13479 | 5.39 ug/L | 86 |
| 52) dibromomethane | 10.236 | 93 | 8187 | 6.23 ug/L # | 72 |
| 53) bromodichloromethane | 10.350 | 83 | 17809 | 5.91 ug/L | 95 |
| 54) Methylcyclohexane | 10.812 | 83 | 9333 | 3.44 ug/L # | 77 |
| 55) 2-chloroethyl vinyl ether | 10.803 | 63 | 284m | 1.52 ug/L | |
| 56) methyl methacrylate | 10.447 | 69 | 5118 | 2.92 ug/L # | 28 |
| 57) 1,4-dioxane | 10.464 | 88 | 339m | 9.30 ug/L | |
| 58) cis-1,3-dichloropropene | 10.968 | 75 | 6371 | 1.89 ug/L | 94 |
| 60) 4-methyl-2-pentanone | 11.086 | 43 | 16299 | 3.73 ug/L | 76 |
| 61) toluene | 11.744 | 92 | 28765 | 5.62 ug/L | 97 |
| 62) trans-1,3-dichloropropene | 11.389 | 75 | 3760 | 1.09 ug/L | 92 |
| 63) 1,1,2-trichloroethane | 11.558 | 83 | 9716 | 5.28 ug/L | 92 |
| 64) ethyl methacrylate | 11.768 | 69 | 8650 | 2.90 ug/L # | 40 |
| 66) tetrachloroethene | 12.484 | 166 | 9805 | 5.34 ug/L | 85 |
| 67) 1,3-dichloropropane | 11.795 | 76 | 19872 | 5.38 ug/L | 69 |
| 68) dibromochloromethane | 12.085 | 129 | 9993 | 4.07 ug/L | 94 |
| 69) 1,2-dibromoethane | 12.338 | 107 | 10245 | 4.55 ug/L | 97 |
| 70) 2-hexanone | 11.941 | 43 | 10308 | 3.27 ug/L | 78 |
| 71) chlorobenzene | 13.165 | 112 | 29199 | 5.61 ug/L | 88 |
| 72) 1,1,1,2-tetrachloroethane | 13.082 | 131 | 9112 | 4.31 ug/L | 89 |
| 73) ethylbenzene | 13.340 | 91 | 44837 | 4.29 ug/L | 82 |
| 74) m,p-xylene | 13.525 | 106 | 32938 | 10.01 ug/L # | 77 |
| 75) o-xylene | 13.938 | 106 | 15884 | 4.83 ug/L # | 66 |
| 76) styrene | 13.866 | 104 | 19175 | 3.21 ug/L | 80 |
| 77) bromoform | 13.690 | 173 | 5975 | 3.36 ug/L # | 56 |
| 78) trans-1,4-dichloro-2-b... | 13.936 | 53 | 1294 | 1.95 ug/L # | 1 |
| 80) isopropylbenzene | 14.299 | 105 | 30497 | 3.81 ug/L | 89 |
| 82) bromobenzene | 14.590 | 156 | 10906 | 4.89 ug/L # | 52 |
| 83) 1,1,2,2-tetrachloroethane | 13.939 | 83 | 16173 | 5.62 ug/L | 96 |
| 84) 1,2,3-trichloropropane | 14.087 | 75 | 14171 | 4.33 ug/L | 87 |
| 85) n-propylbenzene | 14.746 | 91 | 44766 | 3.93 ug/L | 94 |
| 86) 2-chlorotoluene | 14.865 | 91 | 34109 | 4.47 ug/L | 80 |
| 87) 4-chlorotoluene | 14.941 | 91 | 34395 | 4.35 ug/L | 83 |
| 88) 1,3,5-trimethylbenzene | 15.022 | 105 | 30765 | 3.92 ug/L | 93 |
| 89) tert-butylbenzene | 15.328 | 91 | 19953 | 3.89 ug/L # | 52 |
| 90) 1,2,4-trimethylbenzene | 15.431 | 105 | 31412 | 3.83 ug/L | 93 |
| 91) sec-butylbenzene | 15.549 | 105 | 38505 | 4.32 ug/L | 98 |
| 92) 1,3-dichlorobenzene | 15.653 | 146 | 20998 | 5.09 ug/L | 89 |
| 93) p-isopropyltoluene | 15.721 | 119 | 34241 | 4.90 ug/L | 95 |
| 94) 1,4-dichlorobenzene | 15.720 | 146 | 23291 | 5.89 ug/L | 90 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p16883.D
Acq On : 17 Apr 2007 6:33 pm
Operator : amym
Sample : ic577-5
Misc : ms13376,msp577,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 18 09:41:30 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 18 08:51:57 2007
Response via : Initial Calibration

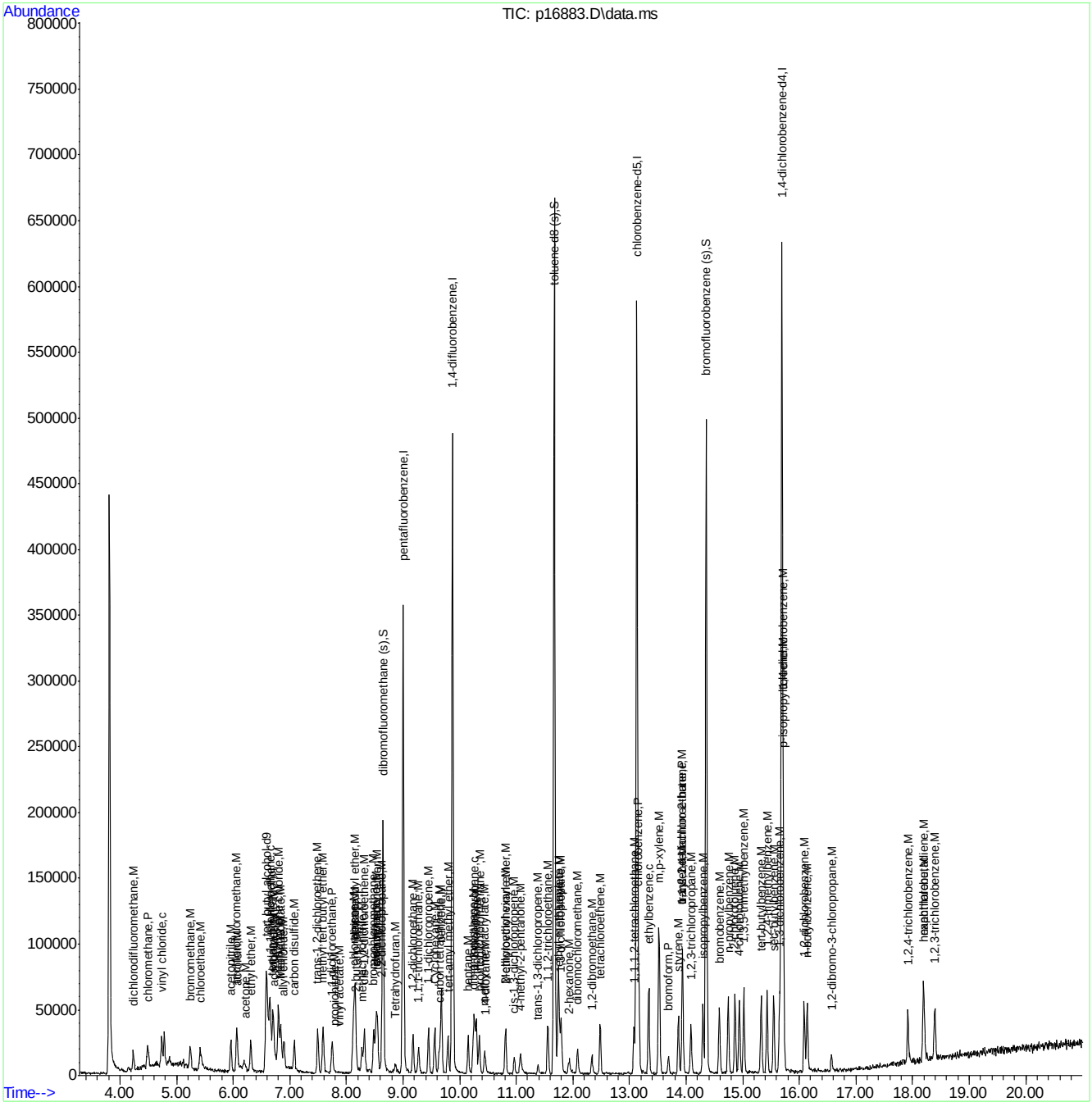
| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 95) 1,2-dichlorobenzene | 16.090 | 146 | 19782 | 4.79 | ug/L | 99 |
| 96) n-butylbenzene | 16.141 | 91 | 29815 | 3.75 | ug/L | 99 |
| 97) 1,2-dibromo-3-chloropr... | 16.569 | 75 | 3427 | 3.92 | ug/L # | 75 |
| 98) 1,2,4-trichlorobenzene | 17.921 | 180 | 12183 | 4.38 | ug/L | 80 |
| 99) hexachlorobutadiene | 18.206 | 225 | 5345 | 5.23 | ug/L | 64 |
| 100) naphthalene | 18.193 | 128 | 34446 | 4.01 | ug/L | 100 |
| 101) 1,2,3-trichlorobenzene | 18.395 | 180 | 12951 | 4.92 | ug/L | 74 |

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p16883.D
Acq On : 17 Apr 2007 6:33 pm
Operator : amym
Sample : ic577-5
Misc : ms13376,msp577,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 18 09:41:30 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 18 08:51:57 2007
Response via : Initial Calibration

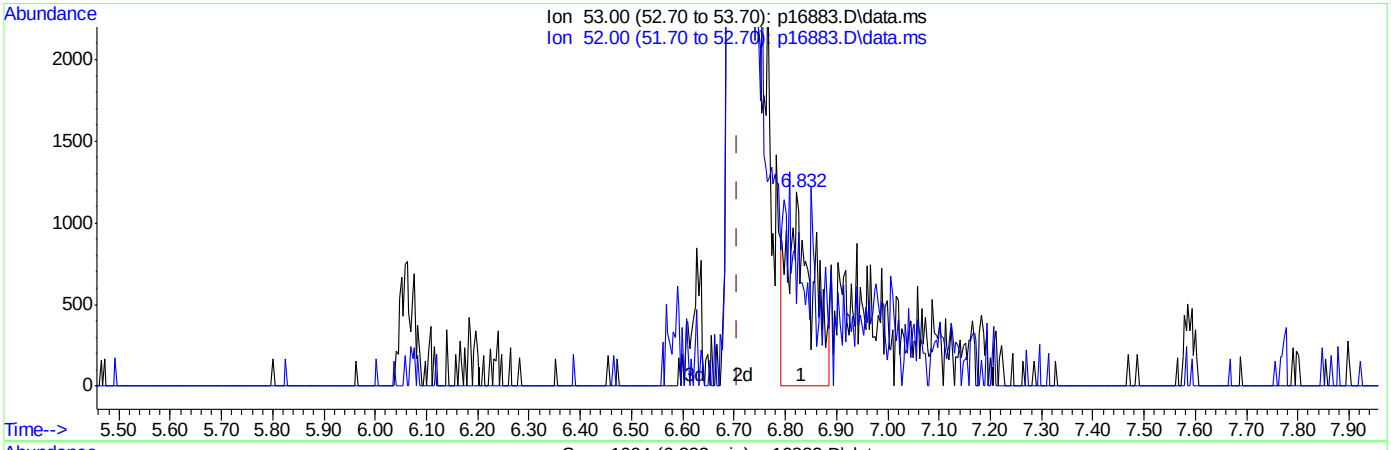


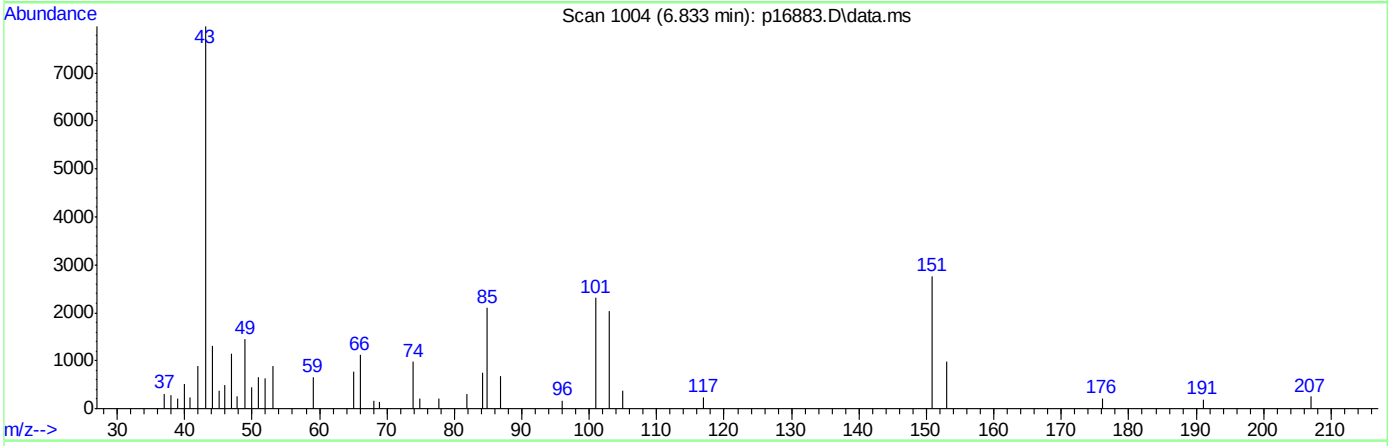
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : p16883.D
Acq On : 17 Apr 2007 6:33 pm
Operator : amym
Sample : ic577-5
Misc : ms13376,msp577,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 18 08:52:29 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 18 08:51:57 2007
Response via : Initial Calibration






TIC: p16883.D\data.ms

(20) acrylonitrile (M)

6.832min (+0.125) 2.73ug/L

response 3953

| Ion | Exp% | Act% |
|---|---|---|
| 53.00 | 100 | 100 |
| 52.00 | 86.00 | 63.08 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |



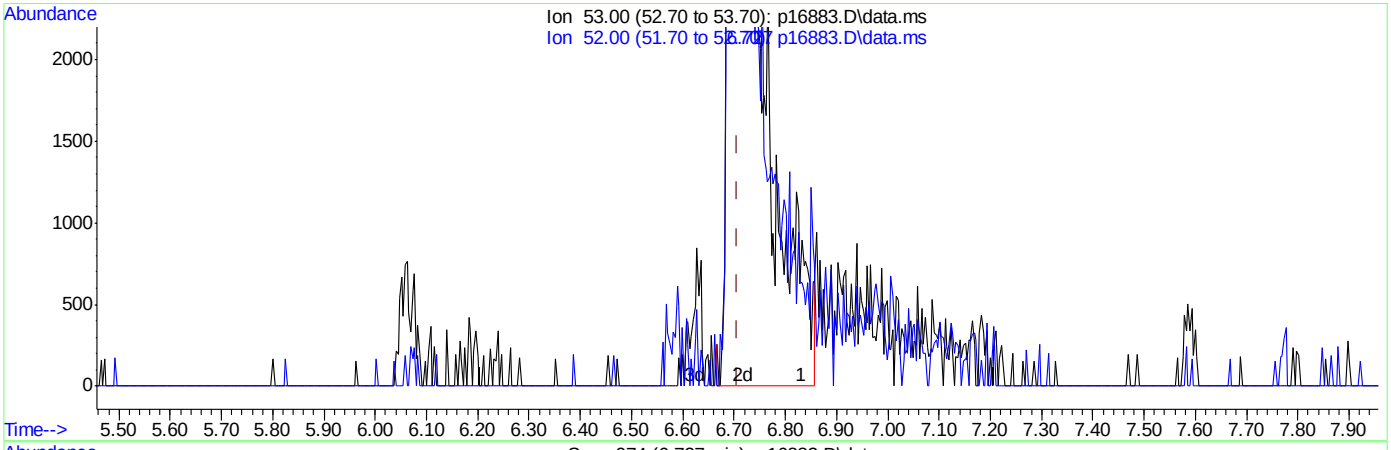
ACCUTEST Laboratories M64162

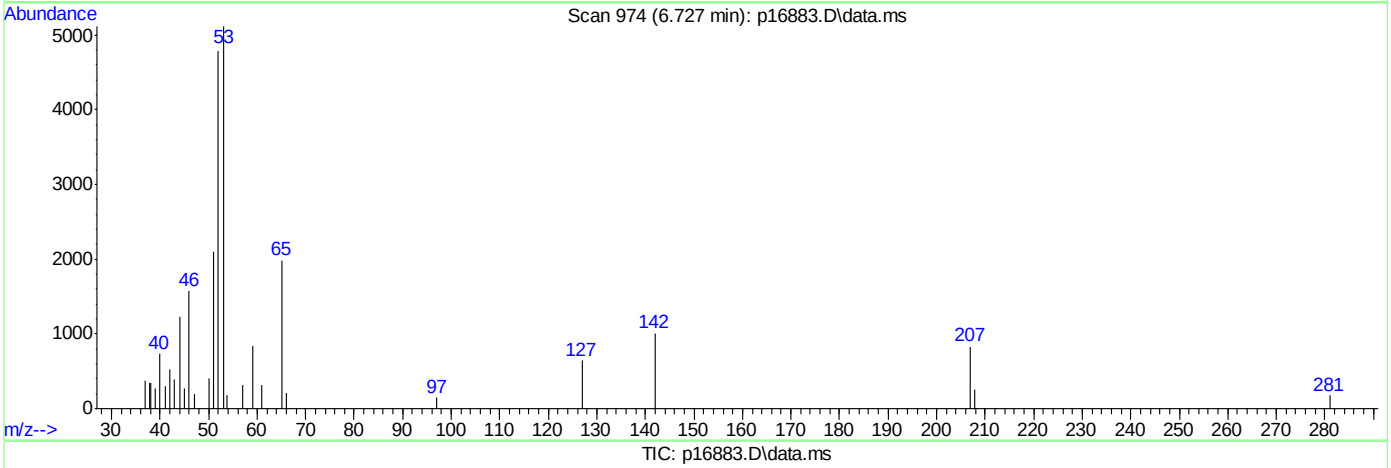
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : p16883.D
Acq On : 17 Apr 2007 6:33 pm
Operator : amym
Sample : ic577-5
Misc : ms13376,msp577,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 18 08:52:29 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 18 08:51:57 2007
Response via : Initial Calibration






TIC: p16883.D\data.ms

(20) acrylonitrile (M)

6.727min (+0.020) 23.41ug/L m

response 33853

| Ion | Exp% | Act% |
|---|---|---|
| 53.00 | 100 | 100 |
| 52.00 | 86.00 | 93.61 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |



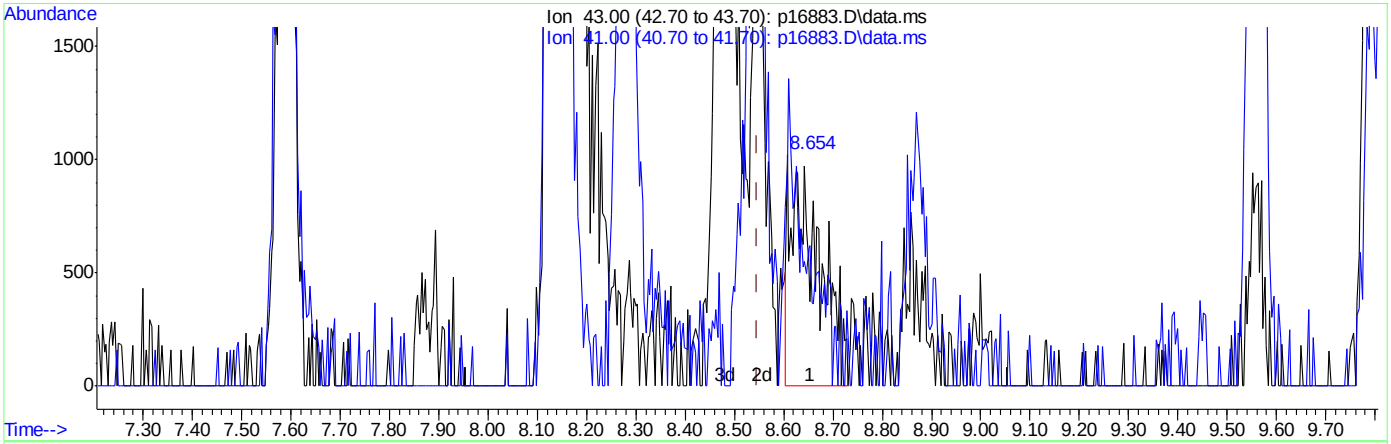
ACCUTEST Laboratories M64162

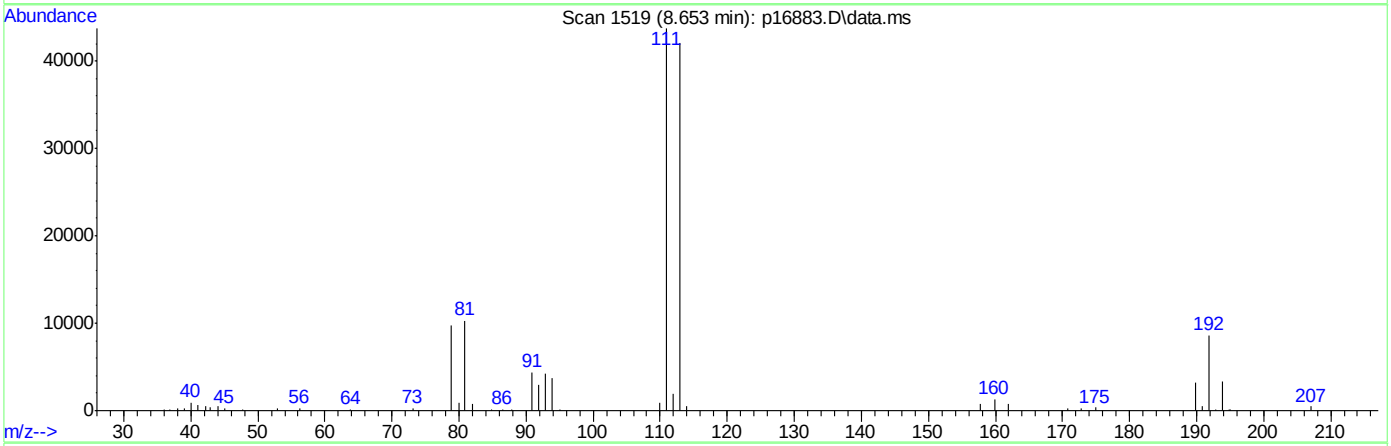
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : p16883.D
Acq On : 17 Apr 2007 6:33 pm
Operator : amym
Sample : ic577-5
Misc : ms13376,msp577,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 18 08:52:29 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 18 08:51:57 2007
Response via : Initial Calibration






(34) isobutyl alcohol (M)

8.654min (+0.108) 20.66ug/L

response 4050

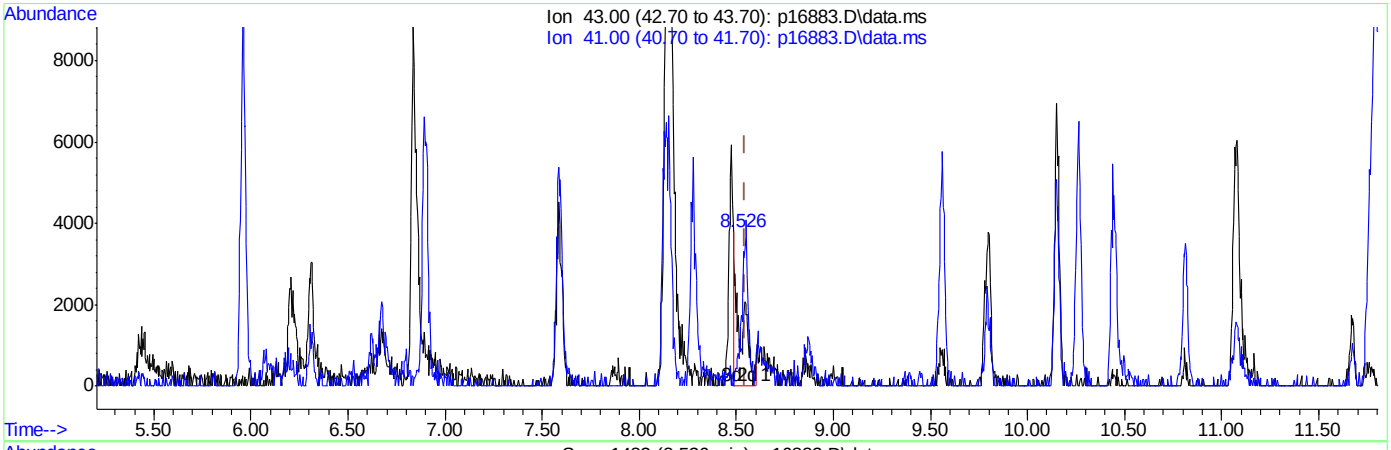
| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 41.00 | 88.50 | 107.01 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

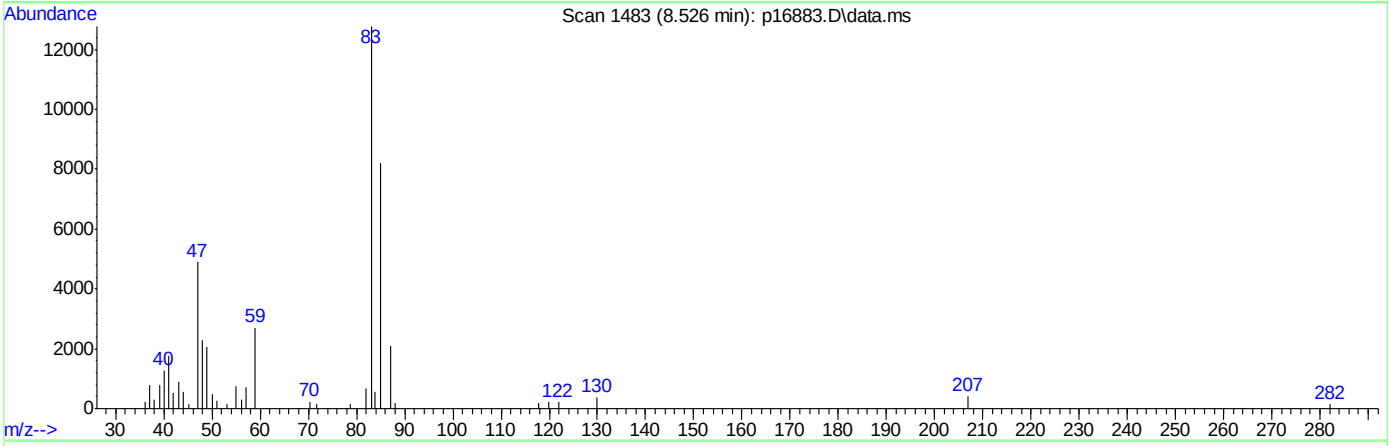
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : p16883.D
Acq On : 17 Apr 2007 6:33 pm
Operator : amym
Sample : ic577-5
Misc : ms13376,msp577,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 18 08:52:29 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 18 08:51:57 2007
Response via : Initial Calibration






(34) isobutyl alcohol (M)

8.526min (-0.020) 45.77ug/L m

response 8971

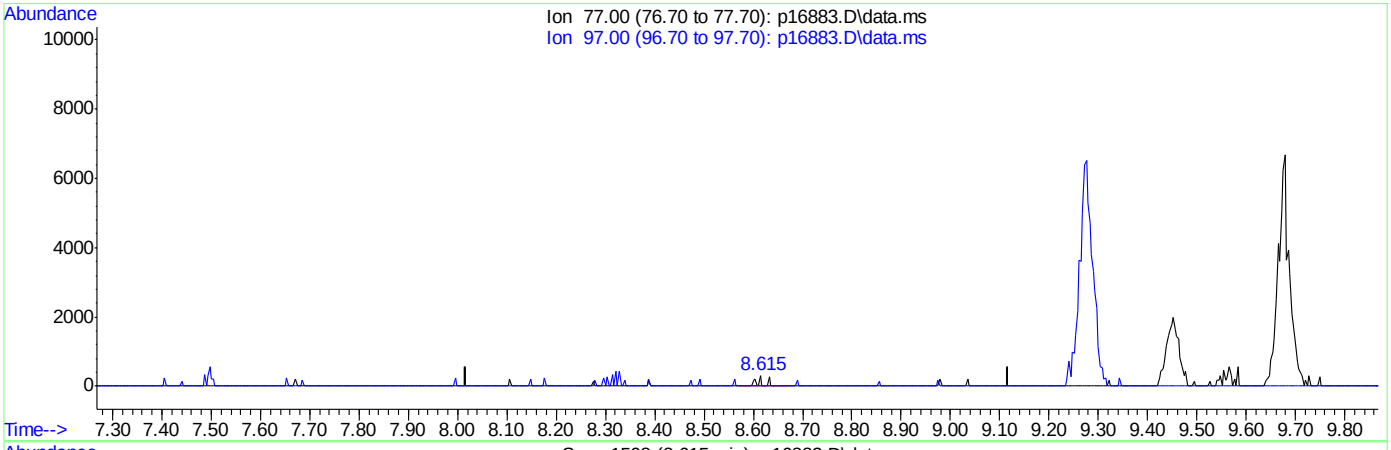
| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 41.00 | 88.50 | 191.12# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

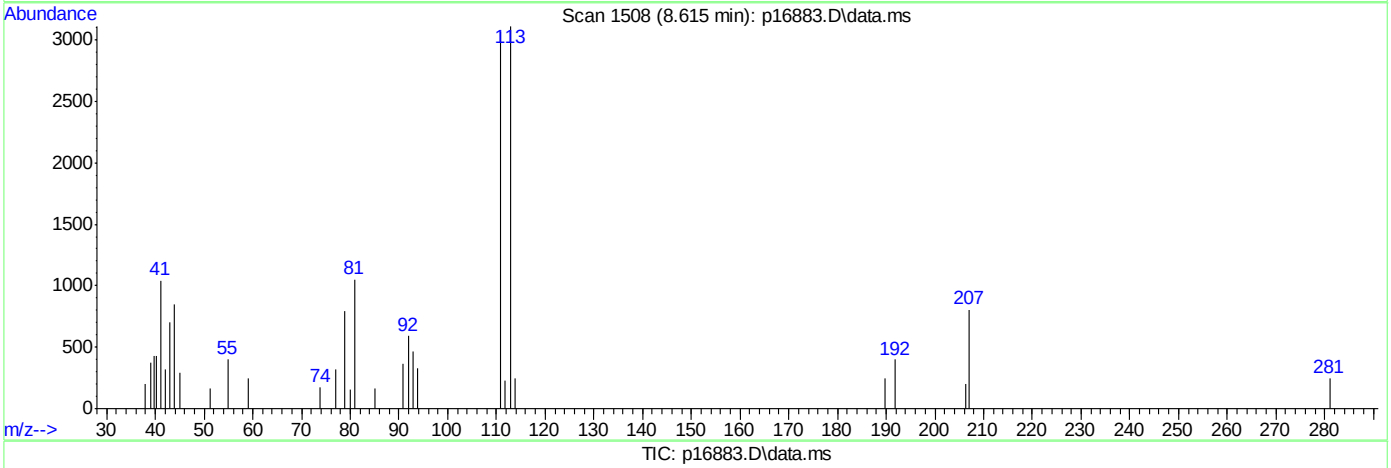
Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : p16883.D
Acq On    : 17 Apr 2007   6:33 pm
Operator  : amym
Sample    : ic577-5
Misc      : ms13376,msp577,,,,5,1
ALS Vial  : 9   Sample Multiplier: 1

Quant Time: Apr 18 08:52:29 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title  : SW-846 Method 8260
QLast Update : Wed Apr 18 08:51:57 2007
Response via : Initial Calibration
```






(35) 2,2-dichloropropane (M)

8.615min (+0.006) 0.11ug/L m

response 200

| Ion | Exp% | Act% |
|---|---|---|
| 77.00 | 100 | 100 |
| 97.00 | 20.90 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |



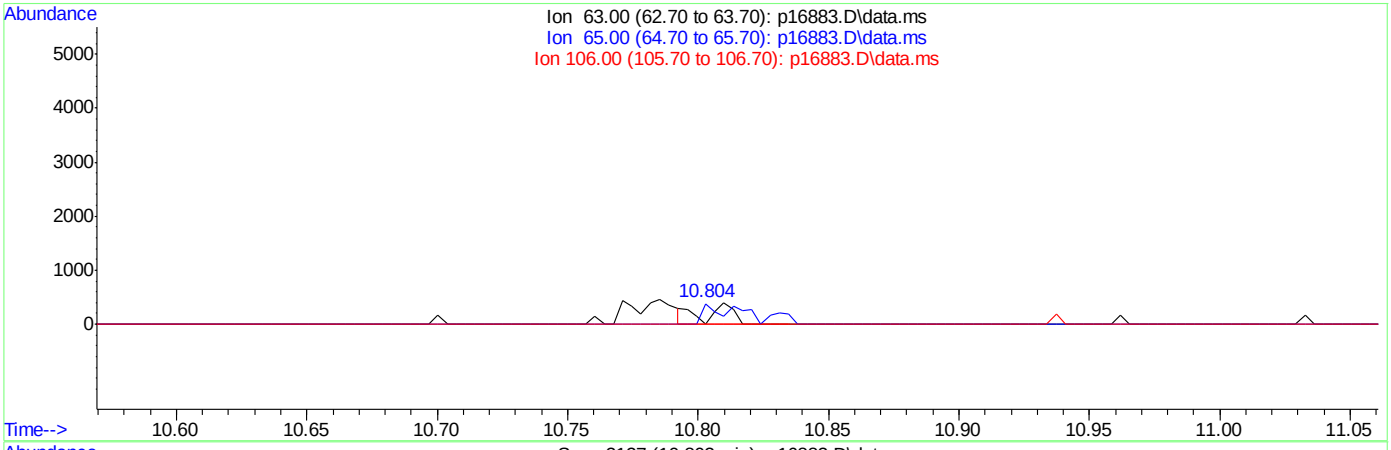
ACCUTEST Laboratories M64162

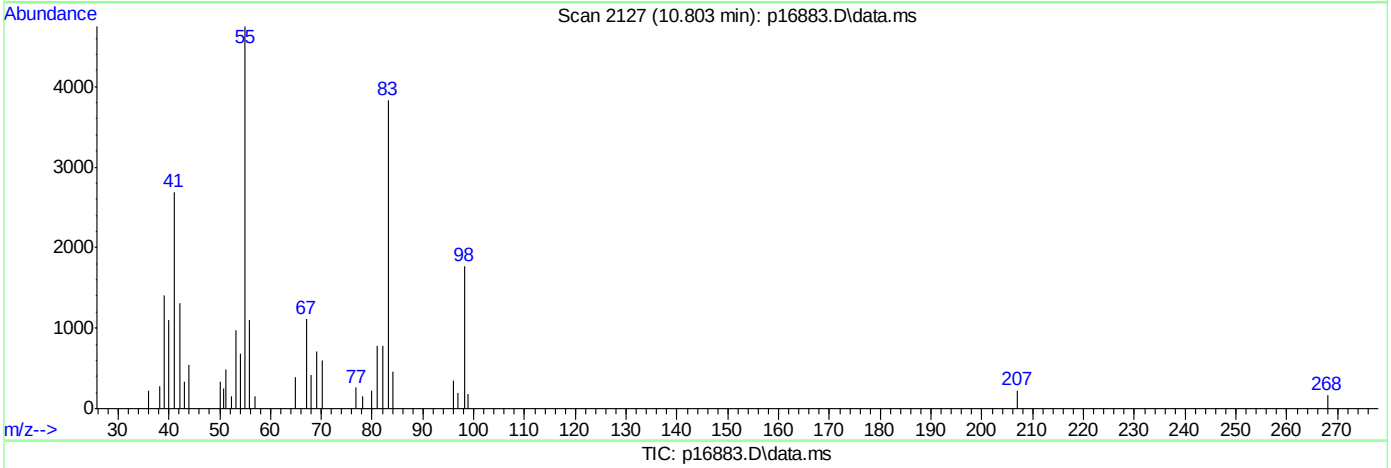
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : p16883.D
Acq On : 17 Apr 2007 6:33 pm
Operator : amym
Sample : ic577-5
Misc : ms13376,msp577,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 18 08:52:29 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 18 08:51:57 2007
Response via : Initial Calibration






TIC: p16883.D\data.ms

(55) 2-chloroethyl vinyl ether (M)

10.803min (+0.010) 1.52ug/L m

response 284

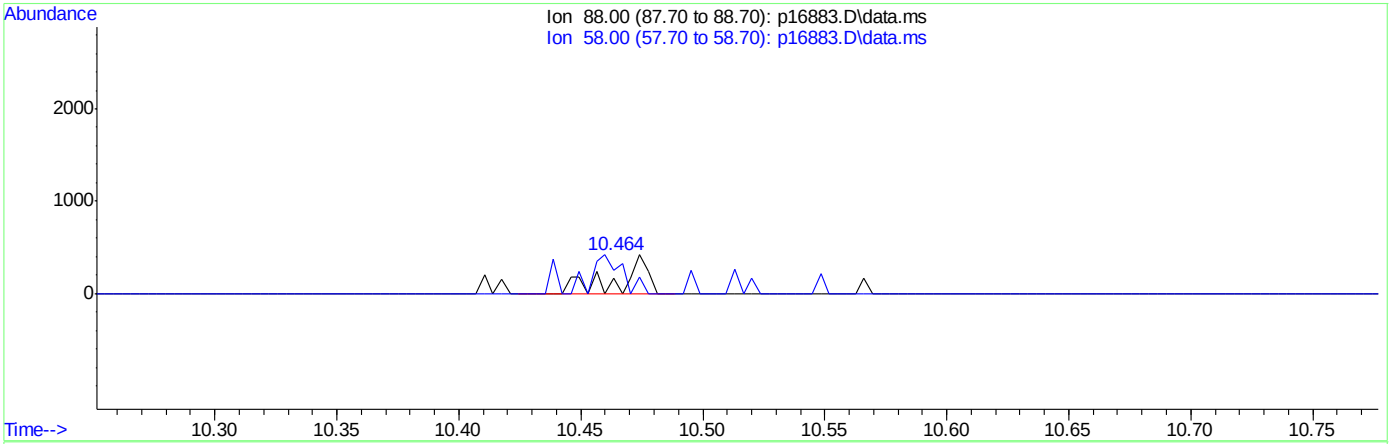
| Ion | Exp% | Act% |
|---|---|---|
| 63.00 | 100 | 100 |
| 65.00 | 56.50 | 0.00# |
| 106.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

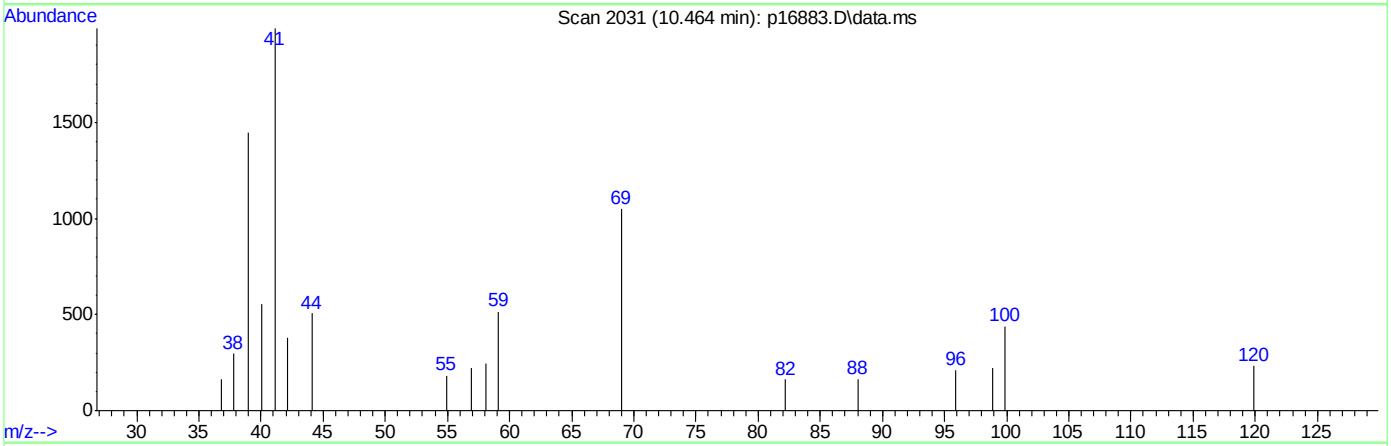
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : p16883.D
Acq On : 17 Apr 2007 6:33 pm
Operator : amym
Sample : ic577-5
Misc : ms13376,msp577,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 18 08:52:29 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 18 08:51:57 2007
Response via : Initial Calibration






TIC: p16883.D\data.ms

(57) 1,4-dioxane (M)

10.464min (-0.009) 9.30ug/L m

response 339

| Ion | Exp% | Act% |
|---|---|---|
| 88.00 | 100 | 100 |
| 58.00 | 60.20 | 149.40# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 04/20/07 09:20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p16884.D
Acq On : 17 Apr 2007 7:01 pm
Operator : amym
Sample : ic577-25
Misc : ms13376,msp577,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 18 09:42:35 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 18 08:51:57 2007
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 6.612 | 65 | 109837 | 500.00 | ug/L | 0.02 |
| 3) pentafluorobenzene | 9.003 | 168 | 199096 | 50.00 | ug/L | 0.00 |
| 42) 1,4-difluorobenzene | 9.875 | 114 | 328114 | 50.00 | ug/L | 0.00 |
| 65) chlorobenzene-d5 | 13.130 | 82 | 202058 | 50.00 | ug/L | 0.00 |
| 79) 1,4-dichlorobenzene-d4 | 15.691 | 152 | 155039 | 50.00 | ug/L | 0.00 |

System Monitoring Compounds

| | | | | | | |
|---|---|---|---|---|---|---|
| 39) dibromofluoromethane (s) | 8.647 | 113 | 112758 | 50.29 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 85 - 129 | | Recovery = 100.58% | | | |
| 59) toluene-d8 (s) | 11.672 | 98 | 414151 | 50.17 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 100.34% | | | |
| 81) bromofluorobenzene (s) | 14.355 | 95 | 192233 | 50.12 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 119 | | Recovery = 100.24% | | | |

Target Compounds

| | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 2) tertiary butyl alcohol | 6.686 | 59 | 78302 | 190.99 | ug/L | 90 |
| 5) dichlorodifluoromethane | 4.240 | 85 | 72499 | 22.58 | ug/L | 97 |
| 6) chloromethane | 4.496 | 50 | 94571 | 24.72 | ug/L | 99 |
| 7) vinyl chloride | 4.743 | 62 | 67831 | 25.14 | ug/L | 95 |
| 8) bromomethane | 5.246 | 96 | 44227 | 25.33 | ug/L | 97 |
| 9) chloroethane | 5.413 | 64 | 43702 | 27.04 | ug/L | 100 |
| 10) ethyl ether | 6.310 | 59 | 62405 | 24.60 | ug/L # | 62 |
| 11) acetonitrile | 5.961 | 41 | 74141 | 49.53 | ug/L | 93 |
| 12) trichlorofluoromethane | 6.066 | 101 | 84258 | 23.62 | ug/L | 97 |
| 13) freon-113 | 6.840 | 101 | 42855 | 23.22 | ug/L | 72 |
| 14) acrolein | 6.079 | 56 | 92840 | 106.70 | ug/L | 94 |
| 15) 1,1-dichloroethene | 6.654 | 96 | 56502 | 28.24 | ug/L # | 48 |
| 16) acetone | 6.206 | 43 | 24254 | 12.84 | ug/L | 74 |
| 17) Methyl Acetate | 6.850 | 43 | 93849 | 20.05 | ug/L # | 78 |
| 18) methylene chloride | 6.803 | 84 | 60029 | 24.86 | ug/L # | 17 |
| 19) methyl tert butyl ether | 7.589 | 73 | 127384 | 22.71 | ug/L | 80 |
| 20) acrylonitrile | 6.714 | 53 | 146065 | 94.26 | ug/L | 99 |
| 21) allyl chloride | 6.896 | 41 | 72304 | 18.37 | ug/L | 74 |
| 22) trans-1,2-dichloroethene | 7.496 | 96 | 49629 | 23.47 | ug/L # | 65 |
| 23) iodomethane | 6.719 | 142 | 18322 | 18.68 | ug/L | 86 |
| 24) carbon disulfide | 7.084 | 76 | 149026 | 24.48 | ug/L | 99 |
| 25) propionitrile | 7.793 | 54 | 11285 | 17.87 | ug/L | 100 |
| 26) vinyl acetate | 7.865 | 43 | 7385 | 3.69 | ug/L | 92 |
| 27) chloroprene | 8.117 | 53 | 99671 | 22.93 | ug/L | 63 |
| 28) di-isopropyl ether | 8.154 | 45 | 289423 | 25.87 | ug/L | 74 |
| 29) methacrylonitrile | 8.280 | 41 | 55738 | 20.56 | ug/L # | 68 |
| 30) 2-butanone | 8.180 | 72 | 8110 | 24.86 | ug/L # | 35 |
| 31) Hexane | 8.142 | 41 | 109096 | 24.55 | ug/L # | 60 |
| 32) 1,1-dichloroethane | 7.750 | 63 | 117611 | 24.85 | ug/L | 93 |
| 33) tert-butyl ethyl ether | 8.549 | 59 | 102165 | 10.86 | ug/L | 85 |
| 34) isobutyl alcohol | 8.536 | 43 | 24775m | 117.98 | ug/L | |
| 35) 2,2-dichloropropane | 8.610 | 77 | 9933 | 4.93 | ug/L | 88 |
| 36) cis-1,2-dichloroethene | 8.321 | 96 | 57493 | 24.27 | ug/L # | 53 |
| 37) bromochloromethane | 8.487 | 128 | 22935 | 23.85 | ug/L # | 1 |
| 38) chloroform | 8.525 | 83 | 117379 | 25.29 | ug/L | 84 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p16884.D
Acq On : 17 Apr 2007 7:01 pm
Operator : amym
Sample : ic577-25
Misc : ms13376,msp577,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 18 09:42:35 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 18 08:51:57 2007
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 40) Tetrahydrofuran | 8.874 | 42 | 26983 | 19.93 ug/L | 70 |
| 41) 1,1,1-trichloroethane | 9.276 | 97 | 82786 | 23.60 ug/L | 86 |
| 43) Cyclohexane | 9.560 | 56 | 94186 | 20.84 ug/L # | 63 |
| 44) carbon tetrachloride | 9.641 | 117 | 66333 | 32.54 ug/L | 93 |
| 45) 1,1-dichloropropene | 9.451 | 75 | 71643 | 22.39 ug/L | 93 |
| 46) benzene | 9.677 | 78 | 219344 | 25.63 ug/L | 97 |
| 47) 1,2-dichloroethane | 9.177 | 62 | 122832 | 25.44 ug/L | 85 |
| 48) tert-amyl methyl ether | 9.794 | 73 | 83108 | 13.44 ug/L | 80 |
| 49) heptane | 10.151 | 43 | 66863 | 19.31 ug/L # | 63 |
| 50) trichloroethene | 10.295 | 95 | 61634 | 24.37 ug/L # | 67 |
| 51) 1,2-dichloropropane | 10.262 | 63 | 64779 | 24.87 ug/L | 93 |
| 52) dibromomethane | 10.239 | 93 | 39376 | 28.75 ug/L # | 72 |
| 53) bromodichloromethane | 10.348 | 83 | 90326 | 28.76 ug/L | 97 |
| 54) Methylcyclohexane | 10.813 | 83 | 52840 | 18.69 ug/L # | 63 |
| 55) 2-chloroethyl vinyl ether | 10.789 | 63 | 2625 | 13.45 ug/L # | 62 |
| 56) methyl methacrylate | 10.447 | 69 | 33482 | 18.31 ug/L # | 38 |
| 57) 1,4-dioxane | 10.466 | 88 | 2594 | 68.29 ug/L | 94 |
| 58) cis-1,3-dichloropropene | 10.966 | 75 | 53393 | 15.20 ug/L | 87 |
| 60) 4-methyl-2-pentanone | 11.080 | 43 | 93549 | 20.54 ug/L | 81 |
| 61) toluene | 11.744 | 92 | 140783 | 26.42 ug/L | 96 |
| 62) trans-1,3-dichloropropene | 11.387 | 75 | 37568 | 10.41 ug/L | 82 |
| 63) 1,1,2-trichloroethane | 11.559 | 83 | 47312 | 24.70 ug/L | 95 |
| 64) ethyl methacrylate | 11.764 | 69 | 53987 | 17.40 ug/L # | 35 |
| 66) tetrachloroethene | 12.484 | 166 | 47361 | 23.93 ug/L | 86 |
| 67) 1,3-dichloropropane | 11.793 | 76 | 99862 | 25.07 ug/L | 99 |
| 68) dibromochloromethane | 12.085 | 129 | 54243 | 20.47 ug/L | 96 |
| 69) 1,2-dibromoethane | 12.339 | 107 | 54749 | 22.56 ug/L | 89 |
| 70) 2-hexanone | 11.937 | 43 | 63399 | 18.66 ug/L | 82 |
| 71) chlorobenzene | 13.165 | 112 | 145383 | 25.91 ug/L | 90 |
| 72) 1,1,1,2-tetrachloroethane | 13.083 | 131 | 50413 | 22.09 ug/L | 94 |
| 73) ethylbenzene | 13.338 | 91 | 257797 | 22.85 ug/L | 89 |
| 74) m,p-xylene | 13.523 | 106 | 183188 | 51.60 ug/L | 86 |
| 75) o-xylene | 13.936 | 106 | 92033 | 25.95 ug/L # | 73 |
| 76) styrene | 13.864 | 104 | 132962 | 20.62 ug/L | 74 |
| 77) bromoform | 13.690 | 173 | 34891 | 18.18 ug/L | 88 |
| 78) trans-1,4-dichloro-2-b... | 14.086 | 53 | 3353 | 4.68 ug/L # | 1 |
| 80) isopropylbenzene | 14.298 | 105 | 185156 | 21.36 ug/L | 88 |
| 82) bromobenzene | 14.588 | 156 | 55508 | 23.03 ug/L # | 71 |
| 83) 1,1,2,2-tetrachloroethane | 13.939 | 83 | 81076 | 26.07 ug/L | 97 |
| 84) 1,2,3-trichloropropane | 14.086 | 75 | 74581 | 21.09 ug/L | 99 |
| 85) n-propylbenzene | 14.743 | 91 | 264906 | 21.51 ug/L | 90 |
| 86) 2-chlorotoluene | 14.863 | 91 | 184997 | 22.43 ug/L | 88 |
| 87) 4-chlorotoluene | 14.939 | 91 | 191204 | 22.34 ug/L | 84 |
| 88) 1,3,5-trimethylbenzene | 15.020 | 105 | 184054 | 21.69 ug/L | 93 |
| 89) tert-butylbenzene | 15.327 | 91 | 106988 | 19.27 ug/L # | 71 |
| 90) 1,2,4-trimethylbenzene | 15.430 | 105 | 195093 | 22.00 ug/L | 92 |
| 91) sec-butylbenzene | 15.548 | 105 | 208083 | 21.59 ug/L | 87 |
| 92) 1,3-dichlorobenzene | 15.653 | 146 | 105441 | 23.63 ug/L | 95 |
| 93) p-isopropyltoluene | 15.720 | 119 | 173414 | 22.95 ug/L | 92 |
| 94) 1,4-dichlorobenzene | 15.719 | 146 | 114202 | 26.72 ug/L | 90 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p16884.D
Acq On : 17 Apr 2007 7:01 pm
Operator : amym
Sample : ic577-25
Misc : ms13376,msp577,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 18 09:42:35 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 18 08:51:57 2007
Response via : Initial Calibration

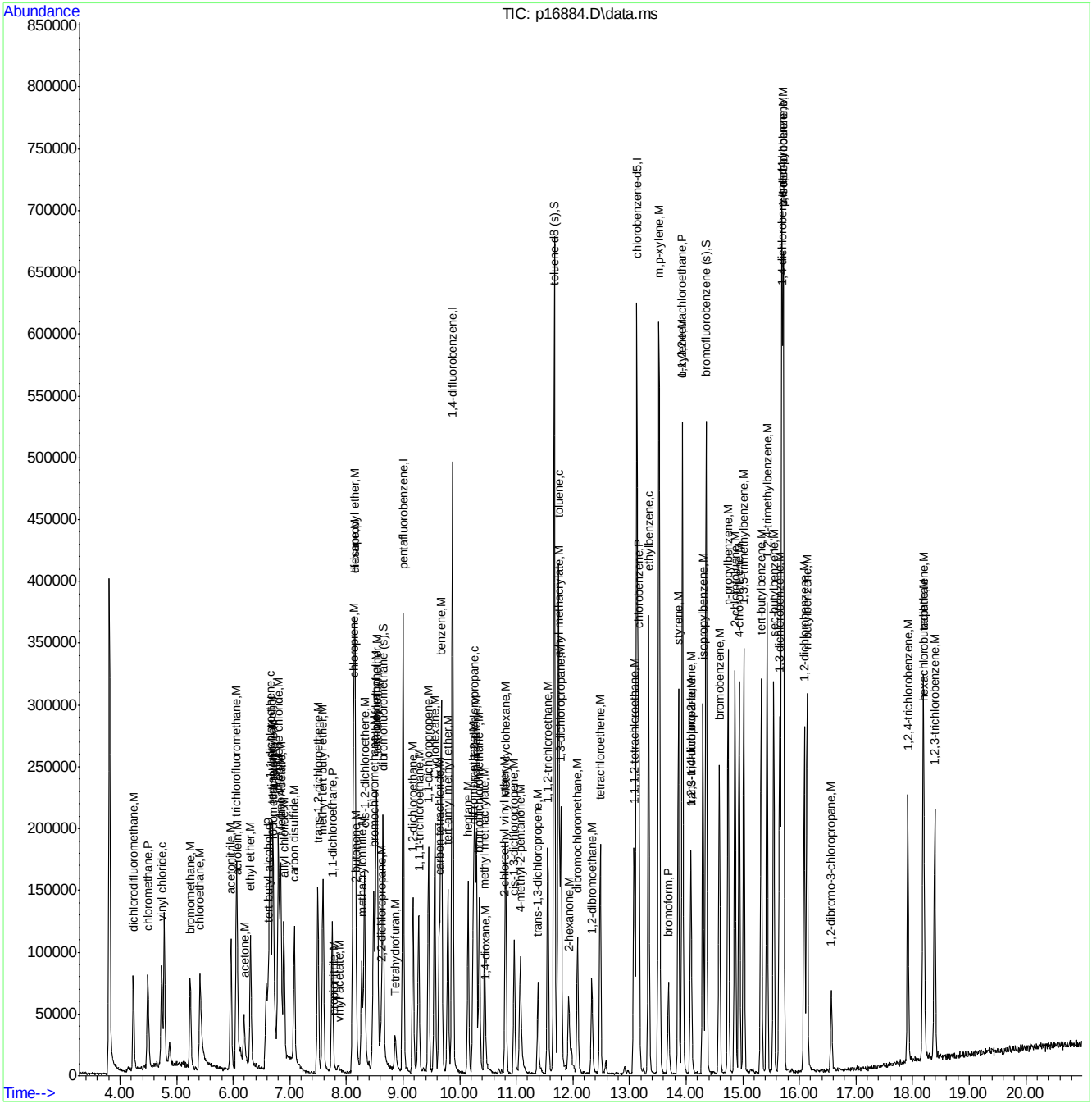
| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 95) 1,2-dichlorobenzene | 16.088 | 146 | 106578 | 23.88 ug/L | 92 |
| 96) n-butylbenzene | 16.139 | 91 | 174338 | 20.27 ug/L | 84 |
| 97) 1,2-dibromo-3-chloropr... | 16.566 | 75 | 18927 | 20.04 ug/L # | 44 |
| 98) 1,2,4-trichlorobenzene | 17.918 | 180 | 62217 | 20.66 ug/L | 89 |
| 99) hexachlorobutadiene | 18.206 | 225 | 22618 | 20.45 ug/L | 84 |
| 100) naphthalene | 18.188 | 128 | 202496 | 21.81 ug/L | 100 |
| 101) 1,2,3-trichlorobenzene | 18.392 | 180 | 60984 | 21.43 ug/L | 99 |

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p16884.D
Acq On : 17 Apr 2007 7:01 pm
Operator : amym
Sample : ic577-25
Misc : ms13376,msp577,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 18 09:42:35 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 18 08:51:57 2007
Response via : Initial Calibration









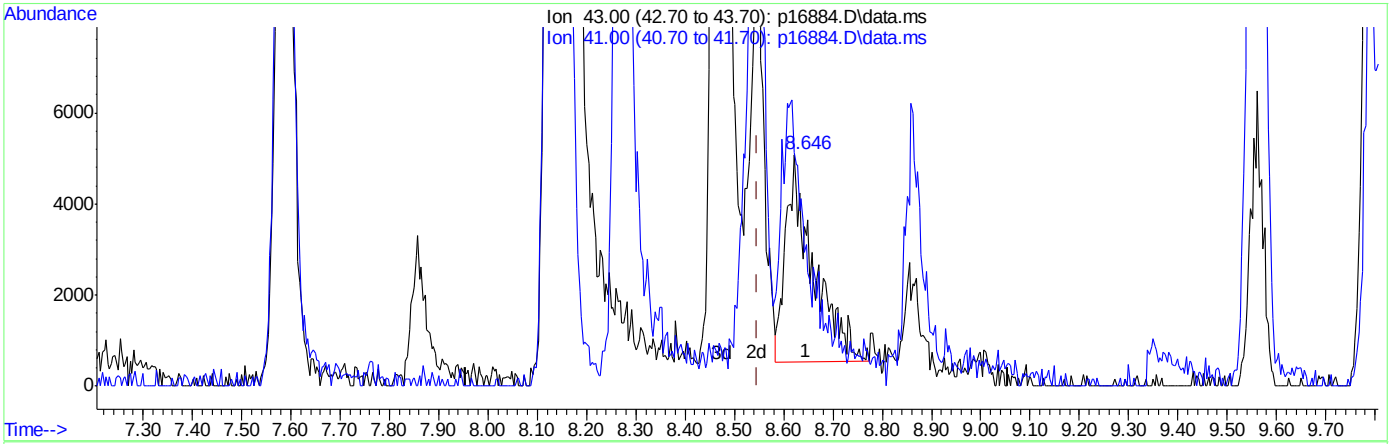

ACCUTEST Laboratories M64162

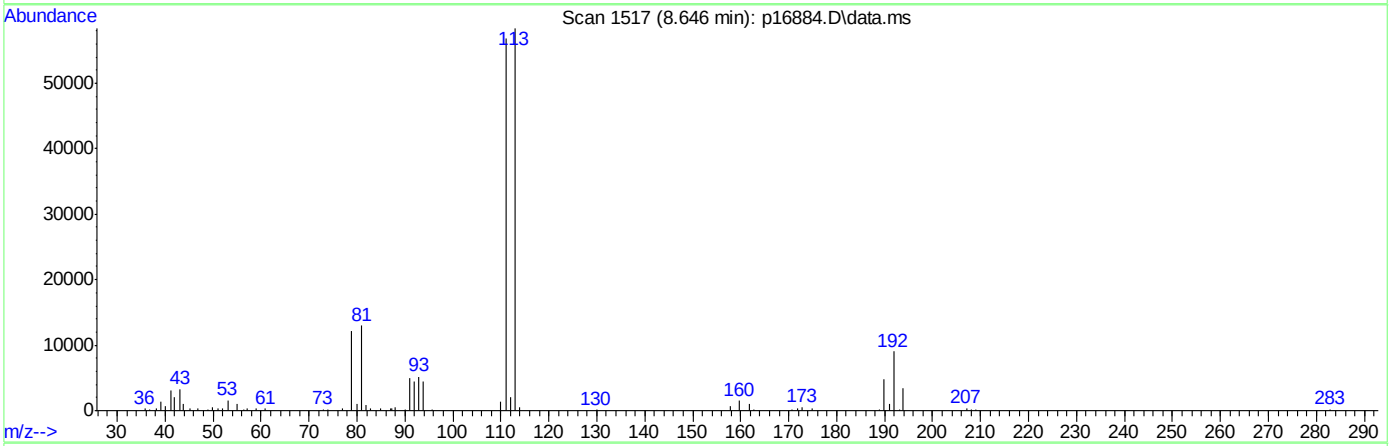
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : p16884.D
Acq On : 17 Apr 2007 7:01 pm
Operator : amym
Sample : ic577-25
Misc : ms13376,msp577,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 18 08:52:33 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 18 08:51:57 2007
Response via : Initial Calibration






(34) isobutyl alcohol (M)

8.646min (+0.100) 84.53ug/L

response 17750

| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 41.00 | 88.50 | 93.94 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |



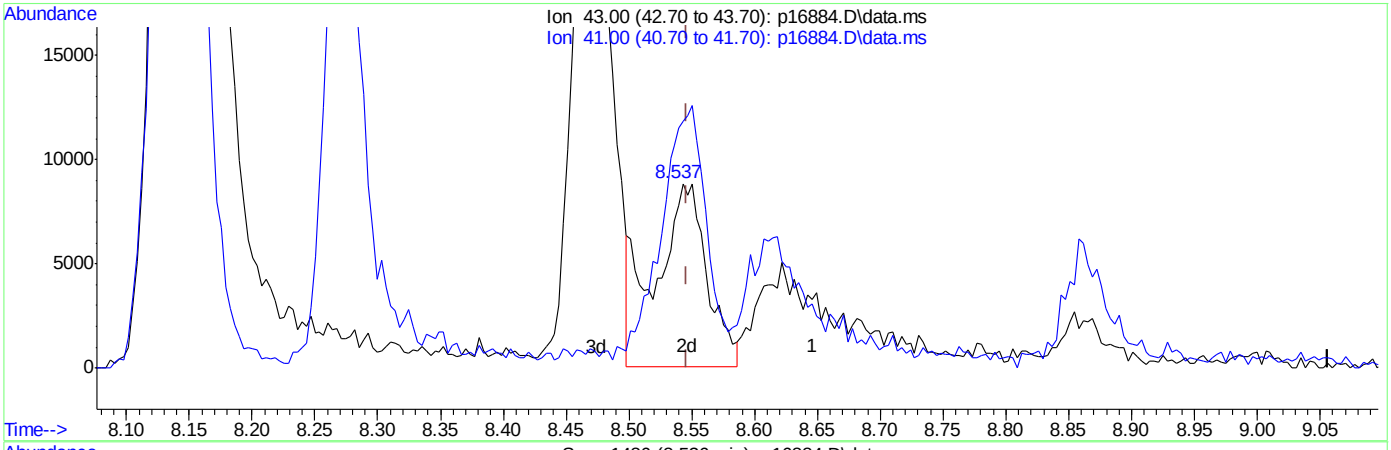
ACCUTEST Laboratories M64162

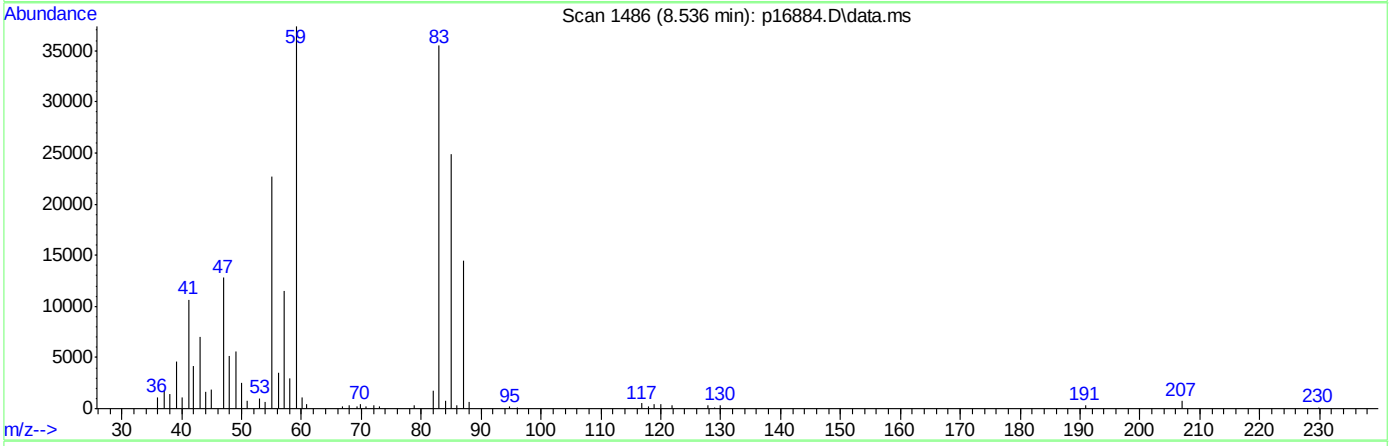
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : p16884.D
Acq On : 17 Apr 2007 7:01 pm
Operator : amym
Sample : ic577-25
Misc : ms13376,msp577,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 18 08:52:33 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 18 08:51:57 2007
Response via : Initial Calibration






TIC: p16884.D\data.ms

(34) isobutyl alcohol (M)

8.536min (-0.010) 117.98ug/L m

response 24775

| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 41.00 | 88.50 | 151.39# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p16885.D
Acq On : 17 Apr 2007 7:30 pm
Operator : amym
Sample : ic577-400
Misc : ms13376,msp577,,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 18 09:43:24 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 18 08:51:57 2007
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 6.592 | 65 | 127025 | 500.00 | ug/L | 0.00 |
| 3) pentafluorobenzene | 9.003 | 168 | 219784 | 50.00 | ug/L | 0.00 |
| 42) 1,4-difluorobenzene | 9.874 | 114 | 369670 | 50.00 | ug/L | 0.00 |
| 65) chlorobenzene-d5 | 13.129 | 82 | 227673 | 50.00 | ug/L | 0.00 |
| 79) 1,4-dichlorobenzene-d4 | 15.692 | 152 | 175257 | 50.00 | ug/L | 0.00 |

System Monitoring Compounds

| | | | | | | |
|---|---|---|---|---|---|---|
| 39) dibromofluoromethane (s) | 8.652 | 113 | 123662 | 49.96 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 85 - 129 | | Recovery = 99.92% | | | |
| 59) toluene-d8 (s) | 11.671 | 98 | 465064 | 50.00 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 100.00% | | | |
| 81) bromofluorobenzene (s) | 14.355 | 95 | 216783 | 50.00 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 119 | | Recovery = 100.00% | | | |

Target Compounds

| | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 2) tertiary butyl alcohol | 6.671 | 59 | 1894978 | 3996.62 | ug/L | 91 |
| 5) dichlorodifluoromethane | 4.241 | 85 | 1416560 | 399.69 | ug/L | 98 |
| 6) chloromethane | 4.495 | 50 | 1687567 | 399.52 | ug/L | 98 |
| 7) vinyl chloride | 4.741 | 62 | 1192100 | 400.17 | ug/L | 97 |
| 8) bromomethane | 5.249 | 96 | 770232 | 399.69 | ug/L | 95 |
| 9) chloroethane | 5.414 | 64 | 712974 | 399.69 | ug/L | 94 |
| 10) ethyl ether | 6.308 | 59 | 1104817 | 394.48 | ug/L | 70 |
| 11) acetonitrile | 5.964 | 41 | 660417 | 399.69 | ug/L | 96 |
| 12) trichlorofluoromethane | 6.069 | 101 | 1574030 | 399.69 | ug/L | 100 |
| 13) freon-113 | 6.847 | 101 | 814475 | 399.69 | ug/L | 78 |
| 14) acrolein | 6.061 | 56 | 1923271 | 2002.37 | ug/L | 98 |
| 15) 1,1-dichloroethene | 6.657 | 96 | 882676 | 399.69 | ug/L # | 28 |
| 16) acetone | 6.199 | 43 | 839964 | 402.73 | ug/L | 84 |
| 17) Methyl Acetate | 6.833 | 43 | 2059070 | 398.50 | ug/L # | 79 |
| 18) methylene chloride | 6.803 | 84 | 1065342 | 399.69 | ug/L # | 31 |
| 19) methyl tert butyl ether | 7.585 | 73 | 2474461 | 399.69 | ug/L | 80 |
| 20) acrylonitrile | 6.707 | 53 | 3454749 | 2019.63 | ug/L | 99 |
| 21) allyl chloride | 6.898 | 41 | 1737016 | 399.69 | ug/L | 67 |
| 22) trans-1,2-dichloroethene | 7.499 | 96 | 932878 | 399.69 | ug/L # | 53 |
| 23) iodomethane | 6.718 | 142 | 432739 | 399.69 | ug/L | 69 |
| 24) carbon disulfide | 7.082 | 76 | 2685565 | 399.69 | ug/L | 99 |
| 25) propionitrile | 7.767 | 54 | 278244 | 399.14 | ug/L | 100 |
| 26) vinyl acetate | 7.845 | 43 | 883400 | 399.69 | ug/L | 84 |
| 27) chloroprene | 8.117 | 53 | 1918218 | 399.69 | ug/L # | 59 |
| 28) di-isopropyl ether | 8.151 | 45 | 4936350 | 399.69 | ug/L | 81 |
| 29) methacrylonitrile | 8.271 | 41 | 1196112 | 399.69 | ug/L # | 70 |
| 30) 2-butanone | 8.162 | 72 | 144286 | 400.69 | ug/L # | 1 |
| 31) Hexane | 8.139 | 41 | 1960370 | 399.69 | ug/L # | 85 |
| 32) 1,1-dichloroethane | 7.751 | 63 | 2088013 | 399.69 | ug/L | 97 |
| 33) tert-butyl ethyl ether | 8.546 | 59 | 4150024 | 399.69 | ug/L | 85 |
| 34) isobutyl alcohol | 8.546 | 43 | 463266 | 1998.43 | ug/L # | 21 |
| 35) 2,2-dichloropropane | 8.608 | 77 | 889420 | 399.69 | ug/L | 95 |
| 36) cis-1,2-dichloroethene | 8.324 | 96 | 1045083 | 399.69 | ug/L # | 55 |
| 37) bromochloromethane | 8.488 | 128 | 422339 | 397.81 | ug/L # | 10 |
| 38) chloroform | 8.529 | 83 | 2048195 | 399.69 | ug/L | 96 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p16885.D
Acq On : 17 Apr 2007 7:30 pm
Operator : amym
Sample : ic577-400
Misc : ms13376,msp577,,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 18 09:43:24 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 18 08:51:57 2007
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 40) Tetrahydrofuran | 8.857 | 42 | 597387 | 399.69 | ug/L | | 63 |
| 41) 1,1,1-trichloroethane | 9.276 | 97 | 1547867 | 399.69 | ug/L | | 91 |
| 43) Cyclohexane | 9.564 | 56 | 2036498 | 400.00 | ug/L | # | 62 |
| 44) carbon tetrachloride | 9.641 | 117 | 918721 | 400.00 | ug/L | | 99 |
| 45) 1,1-dichloropropene | 9.452 | 75 | 1443393 | 400.31 | ug/L | | 90 |
| 46) benzene | 9.677 | 78 | 3856966 | 400.00 | ug/L | | 99 |
| 47) 1,2-dichloroethane | 9.179 | 62 | 2176295 | 400.00 | ug/L | | 88 |
| 48) tert-amyl methyl ether | 9.792 | 73 | 2786988 | 400.00 | ug/L | | 77 |
| 49) heptane | 10.150 | 43 | 1560578 | 400.00 | ug/L | # | 70 |
| 50) trichloroethene | 10.296 | 95 | 1139533 | 400.00 | ug/L | # | 69 |
| 51) 1,2-dichloropropane | 10.263 | 63 | 1173895 | 400.00 | ug/L | | 95 |
| 52) dibromomethane | 10.237 | 93 | 615879 | 399.15 | ug/L | # | 69 |
| 53) bromodichloromethane | 10.349 | 83 | 1415355 | 400.00 | ug/L | | 99 |
| 54) Methylcyclohexane | 10.812 | 83 | 1273956 | 400.00 | ug/L | # | 61 |
| 55) 2-chloroethyl vinyl ether | 10.795 | 63 | 93308 | 424.47 | ug/L | | 97 |
| 56) methyl methacrylate | 10.437 | 69 | 823895 | 400.00 | ug/L | # | 29 |
| 57) 1,4-dioxane | 10.473 | 88 | 85591 | 2000.00 | ug/L | | 63 |
| 58) cis-1,3-dichloropropene | 10.964 | 75 | 1582551 | 400.00 | ug/L | | 86 |
| 60) 4-methyl-2-pentanone | 11.056 | 43 | 2052397 | 400.00 | ug/L | | 83 |
| 61) toluene | 11.743 | 92 | 2401168 | 400.00 | ug/L | | 98 |
| 62) trans-1,3-dichloropropene | 11.383 | 75 | 1626514 | 400.00 | ug/L | | 85 |
| 63) 1,1,2-trichloroethane | 11.557 | 83 | 863365 | 400.00 | ug/L | | 96 |
| 64) ethyl methacrylate | 11.756 | 69 | 1399401 | 400.29 | ug/L | # | 49 |
| 66) tetrachloroethene | 12.484 | 166 | 891904 | 400.00 | ug/L | | 87 |
| 67) 1,3-dichloropropane | 11.792 | 76 | 1795293 | 400.00 | ug/L | | 98 |
| 68) dibromochloromethane | 12.084 | 129 | 1194127 | 400.00 | ug/L | | 99 |
| 69) 1,2-dibromoethane | 12.336 | 107 | 1093982 | 400.00 | ug/L | | 99 |
| 70) 2-hexanone | 11.911 | 43 | 1537951 | 401.66 | ug/L | | 83 |
| 71) chlorobenzene | 13.165 | 112 | 2528882 | 400.00 | ug/L | | 83 |
| 72) 1,1,1,2-tetrachloroethane | 13.083 | 131 | 1028509 | 400.00 | ug/L | | 97 |
| 73) ethylbenzene | 13.338 | 91 | 5084827 | 400.00 | ug/L | | 89 |
| 74) m,p-xylene | 13.523 | 106 | 3200469 | 800.00 | ug/L | # | 63 |
| 75) o-xylene | 13.937 | 106 | 1598565 | 400.00 | ug/L | # | 62 |
| 76) styrene | 13.863 | 104 | 2903331 | 399.55 | ug/L | | 72 |
| 77) bromoform | 13.690 | 173 | 864932 | 400.00 | ug/L | | 96 |
| 78) trans-1,4-dichloro-2-b... | 14.082 | 53 | 323102 | 400.00 | ug/L | # | 1 |
| 80) isopropylbenzene | 14.298 | 105 | 3918938 | 400.00 | ug/L | | 92 |
| 82) bromobenzene | 14.587 | 156 | 1090005 | 400.00 | ug/L | # | 59 |
| 83) 1,1,2,2-tetrachloroethane | 13.939 | 83 | 1405948 | 400.00 | ug/L | | 99 |
| 84) 1,2,3-trichloropropane | 14.085 | 75 | 1598664 | 400.00 | ug/L | | 100 |
| 85) n-propylbenzene | 14.744 | 91 | 5568896 | 400.00 | ug/L | | 87 |
| 86) 2-chlorotoluene | 14.865 | 91 | 3729326 | 400.00 | ug/L | | 82 |
| 87) 4-chlorotoluene | 14.939 | 91 | 3869377 | 400.00 | ug/L | | 82 |
| 88) 1,3,5-trimethylbenzene | 15.020 | 105 | 3837090 | 400.00 | ug/L | | 85 |
| 89) tert-butylbenzene | 15.327 | 91 | 2510968 | 400.00 | ug/L | # | 65 |
| 90) 1,2,4-trimethylbenzene | 15.431 | 105 | 4010373 | 400.00 | ug/L | | 86 |
| 91) sec-butylbenzene | 15.550 | 105 | 4360387 | 400.29 | ug/L | | 90 |
| 92) 1,3-dichlorobenzene | 15.654 | 146 | 2017779 | 400.00 | ug/L | | 92 |
| 93) p-isopropyltoluene | 15.720 | 119 | 3416789 | 400.00 | ug/L | | 86 |
| 94) 1,4-dichlorobenzene | 15.721 | 146 | 1932790 | 400.00 | ug/L | | 93 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p16885.D
Acq On : 17 Apr 2007 7:30 pm
Operator : amym
Sample : ic577-400
Misc : ms13376,msp577,,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 18 09:43:24 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 18 08:51:57 2007
Response via : Initial Calibration

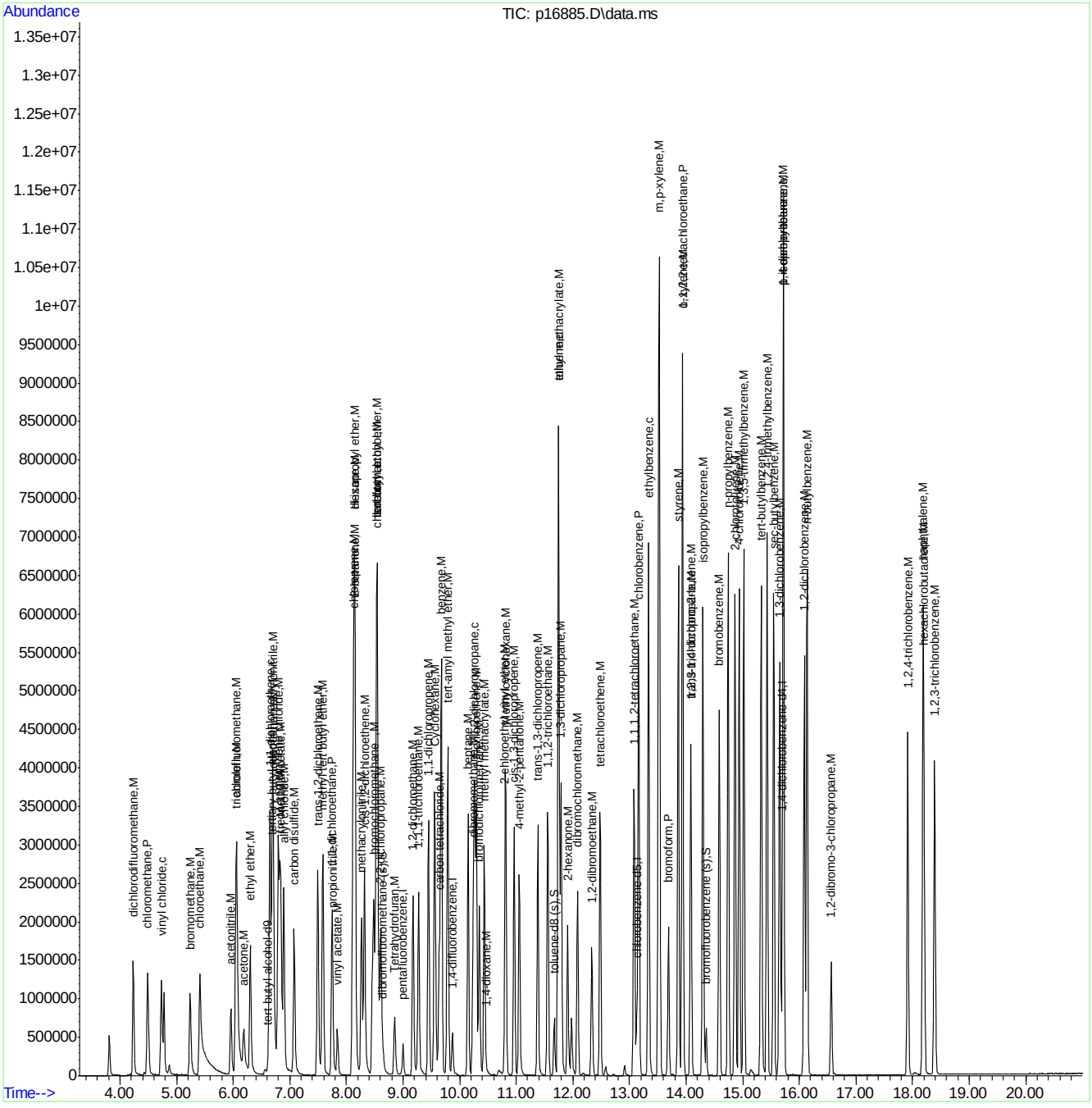
| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 95) 1,2-dichlorobenzene | 16.088 | 146 | 2017690 | 400.00 ug/L | 93 |
| 96) n-butylbenzene | 16.137 | 91 | 3888786 | 400.00 ug/L | 82 |
| 97) 1,2-dibromo-3-chloropr... | 16.564 | 75 | 427084 | 400.00 ug/L # | 56 |
| 98) 1,2,4-trichlorobenzene | 17.917 | 180 | 1361667 | 400.00 ug/L | 98 |
| 99) hexachlorobutadiene | 18.206 | 225 | 500134 | 400.00 ug/L | 81 |
| 100) naphthalene | 18.186 | 128 | 4197389 | 400.00 ug/L | 100 |
| 101) 1,2,3-trichlorobenzene | 18.392 | 180 | 1287020 | 400.00 ug/L | 99 |

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p16885.D
Acq On : 17 Apr 2007 7:30 pm
Operator : amym
Sample : ic577-400
Misc : ms13376,msp577,,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 18 09:43:24 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 18 08:51:57 2007
Response via : Initial Calibration









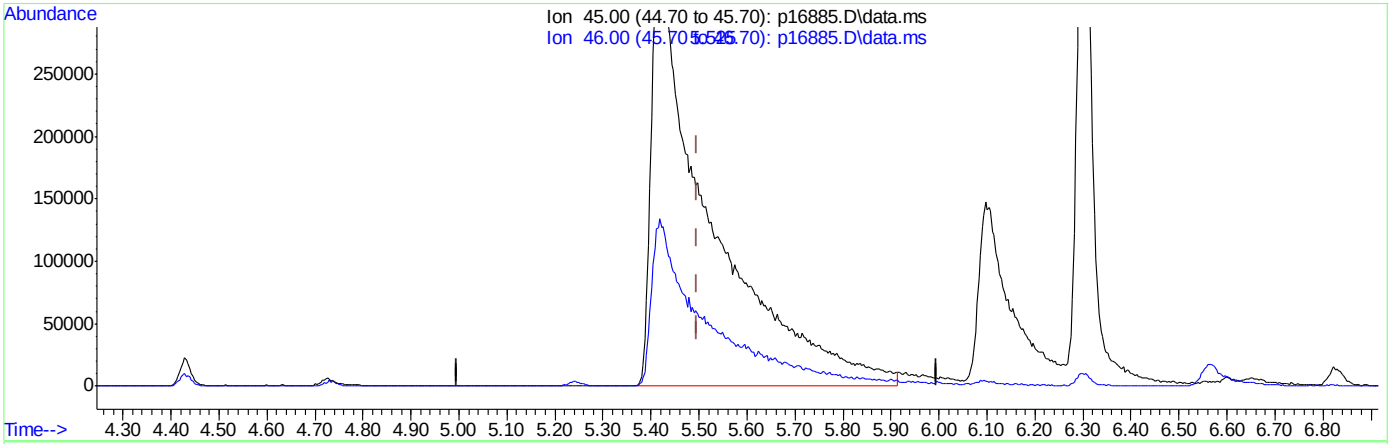

ACCUTEST Laboratories M64162

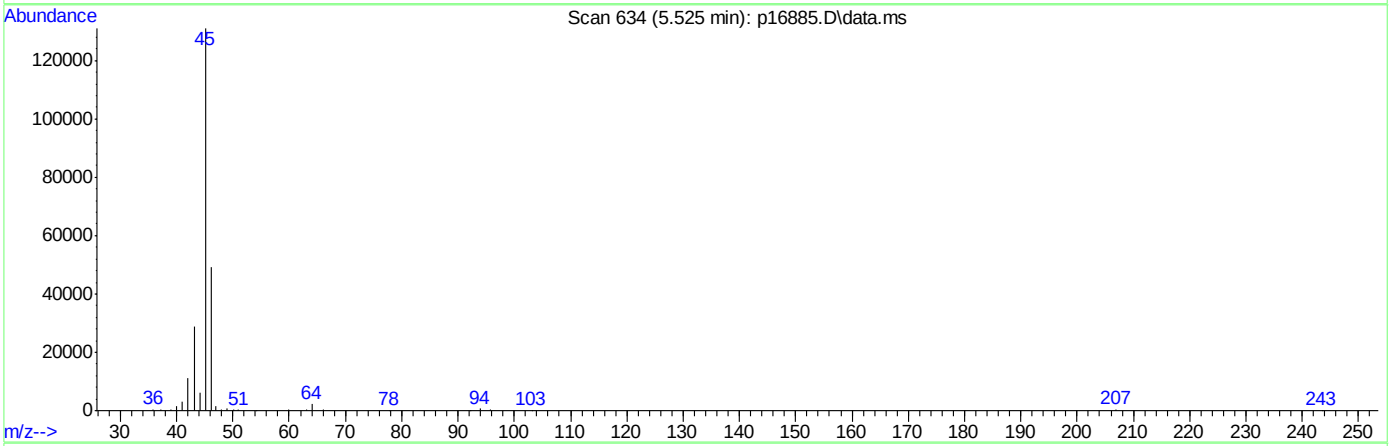
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : p16885.D
Acq On : 17 Apr 2007 7:30 pm
Operator : amym
Sample : ic577-400
Misc : ms13376,msp577,,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 18 08:52:37 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 18 08:51:57 2007
Response via : Initial Calibration






TIC: p16885.D\data.ms

(4) Ethanol (T)

5.525min (+0.029) 0.00ug/L m

response 2898972

| Ion | Exp% | Act% |
|---|---|---|
| 45.00 | 100 | 100 |
| 46.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |



ACCUTEST Laboratories M64162

P16886.D

Manual Integrations APPROVED (compounds with "m" flag)

Doug Yargeau 04/20/07 09:20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p16886.D
Acq On : 17 Apr 2007 7:58 pm
Operator : amym
Sample : ic577-200
Misc : ms13376,msp577,,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 18 09:45:17 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 18 08:51:57 2007
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 6.604 | 65 | 140474 | 500.00 | ug/L | 0.01 |
| 3) pentafluorobenzene | 9.003 | 168 | 240339 | 50.00 | ug/L | 0.00 |
| 42) 1,4-difluorobenzene | 9.874 | 114 | 393734 | 50.00 | ug/L | 0.00 |
| 65) chlorobenzene-d5 | 13.129 | 82 | 237256m | 50.00 | ug/L | 0.00 |
| 79) 1,4-dichlorobenzene-d4 | 15.691 | 152 | 186160 | 50.00 | ug/L | 0.00 |

System Monitoring Compounds

| | | | | | | |
|---|---|---|---|---|---|---|
| 39) dibromofluoromethane (s) | 8.651 | 113 | 134068 | 49.53 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 85 - 129 | | Recovery = 99.06% | | | |
| 59) toluene-d8 (s) | 11.671 | 98 | 502327 | 50.71 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 101.42% | | | |
| 81) bromofluorobenzene (s) | 14.355 | 95 | 229119 | 49.75 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 119 | | Recovery = 99.50% | | | |

Target Compounds

| | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 2) tertiary butyl alcohol | 6.682 | 59 | 919319 | 1753.27 | ug/L | 92 |
| 5) dichlorodifluoromethane | 4.242 | 85 | 737958 | 190.41 | ug/L | 100 |
| 6) chloromethane | 4.496 | 50 | 968444 | 209.67 | ug/L | 100 |
| 7) vinyl chloride | 4.743 | 62 | 673126 | 206.63 | ug/L | 99 |
| 8) bromomethane | 5.249 | 96 | 431301 | 204.67 | ug/L | 96 |
| 9) chloroethane | 5.415 | 64 | 386998 | 198.39 | ug/L | 92 |
| 10) ethyl ether | 6.310 | 59 | 601118 | 196.28 | ug/L | 72 |
| 11) acetonitrile | 5.963 | 41 | 275234 | 152.33 | ug/L | 97 |
| 12) trichlorofluoromethane | 6.069 | 101 | 867351 | 201.41 | ug/L | 100 |
| 13) freon-113 | 6.845 | 101 | 455871 | 204.58 | ug/L | 79 |
| 14) acrolein | 6.074 | 56 | 1086406 | 1034.35 | ug/L | 99 |
| 15) 1,1-dichloroethene | 6.657 | 96 | 470391 | 194.78 | ug/L # | 38 |
| 16) acetone | 6.204 | 43 | 374967 | 164.41 | ug/L | 89 |
| 17) Methyl Acetate | 6.841 | 43 | 1084663 | 191.97 | ug/L # | 80 |
| 18) methylene chloride | 6.804 | 84 | 571032 | 195.91 | ug/L # | 41 |
| 19) methyl tert butyl ether | 7.588 | 73 | 1689573 | 249.57 | ug/L | 82 |
| 20) acrylonitrile | 6.719 | 53 | 1887129 | 1008.85 | ug/L | 99 |
| 21) allyl chloride | 6.898 | 41 | 850350 | 178.93 | ug/L | 67 |
| 22) trans-1,2-dichloroethene | 7.500 | 96 | 512093 | 200.64 | ug/L # | 61 |
| 23) iodomethane | 6.726 | 142 | 177488 | 149.91 | ug/L | 72 |
| 24) carbon disulfide | 7.083 | 76 | 1454473 | 197.95 | ug/L | 99 |
| 25) propionitrile | 7.779 | 54 | 146264 | 191.87 | ug/L | 100 |
| 26) vinyl acetate | 7.849 | 43 | 456706 | 188.96 | ug/L | 84 |
| 27) chloroprene | 8.115 | 53 | 1139091 | 217.05 | ug/L | 62 |
| 28) di-isopropyl ether | 8.151 | 45 | 2672650 | 197.89 | ug/L | 79 |
| 29) methacrylonitrile | 8.274 | 41 | 616379 | 188.35 | ug/L | 74 |
| 30) 2-butanone | 8.169 | 72 | 83245 | 211.40 | ug/L # | 1 |
| 31) Hexane | 8.139 | 41 | 1035518 | 193.07 | ug/L # | 81 |
| 32) 1,1-dichloroethane | 7.752 | 63 | 1120709 | 196.18 | ug/L | 97 |
| 33) tert-butyl ethyl ether | 8.547 | 59 | 2100363 | 184.98 | ug/L | 85 |
| 34) isobutyl alcohol | 8.543 | 43 | 279072 | 1100.89 | ug/L # | 1 |
| 35) 2,2-dichloropropane | 8.608 | 77 | 544836 | 223.90 | ug/L | 92 |
| 36) cis-1,2-dichloroethene | 8.324 | 96 | 572586 | 200.25 | ug/L # | 60 |
| 37) bromochloromethane | 8.490 | 128 | 234120 | 201.66 | ug/L # | 4 |
| 38) chloroform | 8.528 | 83 | 1076953 | 192.18 | ug/L | 95 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p16886.D
Acq On : 17 Apr 2007 7:58 pm
Operator : amym
Sample : ic577-200
Misc : ms13376,msp577,,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 18 09:45:17 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 18 08:51:57 2007
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 40) Tetrahydrofuran | 8.866 | 42 | 307253 | 187.99 ug/L | 63 |
| 41) 1,1,1-trichloroethane | 9.276 | 97 | 934336 | 220.63 ug/L | 91 |
| 43) Cyclohexane | 9.560 | 56 | 1092882 | 201.54 ug/L # | 63 |
| 44) carbon tetrachloride | 9.641 | 117 | 668705 | 273.35 ug/L | 100 |
| 45) 1,1-dichloropropene | 9.451 | 75 | 770200 | 200.55 ug/L | 91 |
| 46) benzene | 9.677 | 78 | 2123465 | 206.76 ug/L | 100 |
| 47) 1,2-dichloroethane | 9.179 | 62 | 1119670 | 193.22 ug/L | 89 |
| 48) tert-amyl methyl ether | 9.792 | 73 | 1414946 | 190.67 ug/L | 80 |
| 49) heptane | 10.150 | 43 | 806754 | 194.15 ug/L # | 72 |
| 50) trichloroethene | 10.295 | 95 | 621774 | 204.92 ug/L # | 70 |
| 51) 1,2-dichloropropane | 10.262 | 63 | 654020 | 209.23 ug/L | 93 |
| 52) dibromomethane | 10.237 | 93 | 342372 | 208.33 ug/L # | 69 |
| 53) bromodichloromethane | 10.349 | 83 | 846951 | 224.73 ug/L | 98 |
| 54) Methylcyclohexane | 10.812 | 83 | 703814 | 207.48 ug/L # | 65 |
| 55) 2-chloroethyl vinyl ether | 10.792 | 63 | 48177 | 205.77 ug/L # | 93 |
| 56) methyl methacrylate | 10.439 | 69 | 449323 | 204.81 ug/L # | 40 |
| 57) 1,4-dioxane | 10.348 | 88 | 1011 | 22.18 ug/L | 75 |
| 58) cis-1,3-dichloropropene | 10.965 | 75 | 900936 | 213.80 ug/L | 88 |
| 60) 4-methyl-2-pentanone | 11.061 | 43 | 1075717 | 196.84 ug/L | 84 |
| 61) toluene | 11.743 | 92 | 1328962 | 207.86 ug/L | 96 |
| 62) trans-1,3-dichloropropene | 11.383 | 75 | 811745 | 187.43 ug/L | 86 |
| 63) 1,1,2-trichloroethane | 11.557 | 83 | 464812 | 202.19 ug/L | 98 |
| 64) ethyl methacrylate | 11.756 | 69 | 770071 | 206.81 ug/L # | 53 |
| 66) tetrachloroethene | 12.484 | 166 | 489726 | 210.76 ug/L | 91 |
| 67) 1,3-dichloropropane | 11.791 | 76 | 965792 | 206.49 ug/L | 99 |
| 68) dibromochloromethane | 12.083 | 129 | 624782 | 200.83 ug/L | 98 |
| 69) 1,2-dibromoethane | 12.336 | 107 | 577327 | 202.57 ug/L | 99 |
| 70) 2-hexanone | 11.916 | 43 | 791150 | 198.27 ug/L | 85 |
| 71) chlorobenzene | 13.164 | 112 | 1385673 | 210.32 ug/L | 85 |
| 72) 1,1,1,2-tetrachloroethane | 13.082 | 131 | 537528 | 200.61 ug/L | 97 |
| 73) ethylbenzene | 13.338 | 91 | 2744433 | 207.17 ug/L | 91 |
| 74) m,p-xylene | 13.523 | 106 | 1794874 | 430.53 ug/L # | 68 |
| 75) o-xylene | 13.936 | 106 | 892650 | 214.34 ug/L # | 65 |
| 76) styrene | 13.863 | 104 | 1571505 | 207.53 ug/L | 77 |
| 77) bromoform | 13.689 | 173 | 445740 | 197.81 ug/L | 95 |
| 78) trans-1,4-dichloro-2-b... | 14.082 | 53 | 142881 | 169.74 ug/L # | 2 |
| 80) isopropylbenzene | 14.297 | 105 | 2102109 | 201.99 ug/L | 93 |
| 82) bromobenzene | 14.587 | 156 | 593618 | 205.08 ug/L # | 63 |
| 83) 1,1,2,2-tetrachloroethane | 13.938 | 83 | 771654 | 206.68 ug/L | 98 |
| 84) 1,2,3-trichloropropane | 14.085 | 75 | 832774 | 196.16 ug/L | 100 |
| 85) n-propylbenzene | 14.743 | 91 | 2979623 | 201.48 ug/L | 89 |
| 86) 2-chlorotoluene | 14.864 | 91 | 1960000 | 197.91 ug/L | 82 |
| 87) 4-chlorotoluene | 14.938 | 91 | 2052069 | 199.71 ug/L | 81 |
| 88) 1,3,5-trimethylbenzene | 15.020 | 105 | 2048924 | 201.08 ug/L | 86 |
| 89) tert-butylbenzene | 15.326 | 91 | 1308404 | 196.22 ug/L # | 70 |
| 90) 1,2,4-trimethylbenzene | 15.431 | 105 | 2140253 | 200.97 ug/L | 86 |
| 91) sec-butylbenzene | 15.549 | 105 | 2334538 | 201.76 ug/L | 91 |
| 92) 1,3-dichlorobenzene | 15.653 | 146 | 1105262 | 206.27 ug/L | 93 |
| 93) p-isopropyltoluene | 15.720 | 119 | 1857368 | 204.71 ug/L | 88 |
| 94) 1,4-dichlorobenzene | 15.720 | 146 | 1071995 | 208.86 ug/L | 94 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p16886.D
Acq On : 17 Apr 2007 7:58 pm
Operator : amym
Sample : ic577-200
Misc : ms13376,msp577,,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 18 09:45:17 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 18 08:51:57 2007
Response via : Initial Calibration

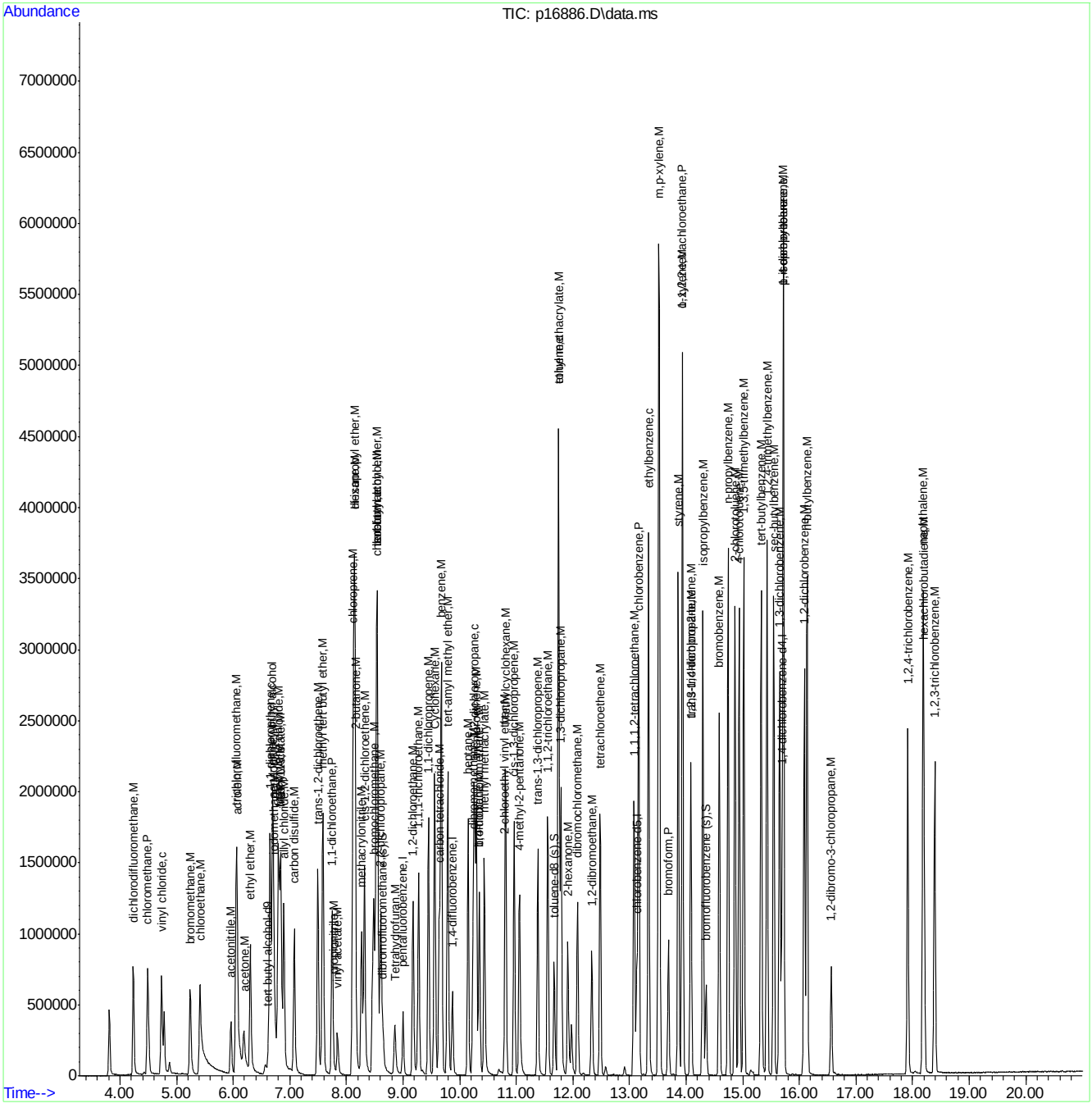
| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 95) 1,2-dichlorobenzene | 16.088 | 146 | 1109574 | 207.09 ug/L | 95 |
| 96) n-butylbenzene | 16.137 | 91 | 2070617 | 200.51 ug/L | 83 |
| 97) 1,2-dibromo-3-chloropr... | 16.565 | 75 | 221089 | 194.94 ug/L # | 55 |
| 98) 1,2,4-trichlorobenzene | 17.918 | 180 | 743529 | 205.63 ug/L | 97 |
| 99) hexachlorobutadiene | 18.207 | 225 | 273297 | 205.78 ug/L | 78 |
| 100) naphthalene | 18.186 | 128 | 2353597 | 211.16 ug/L | 100 |
| 101) 1,2,3-trichlorobenzene | 18.392 | 180 | 701622 | 205.29 ug/L | 98 |

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p16886.D
Acq On : 17 Apr 2007 7:58 pm
Operator : amym
Sample : ic577-200
Misc : ms13376,msp577,,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 18 09:45:17 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 18 08:51:57 2007
Response via : Initial Calibration

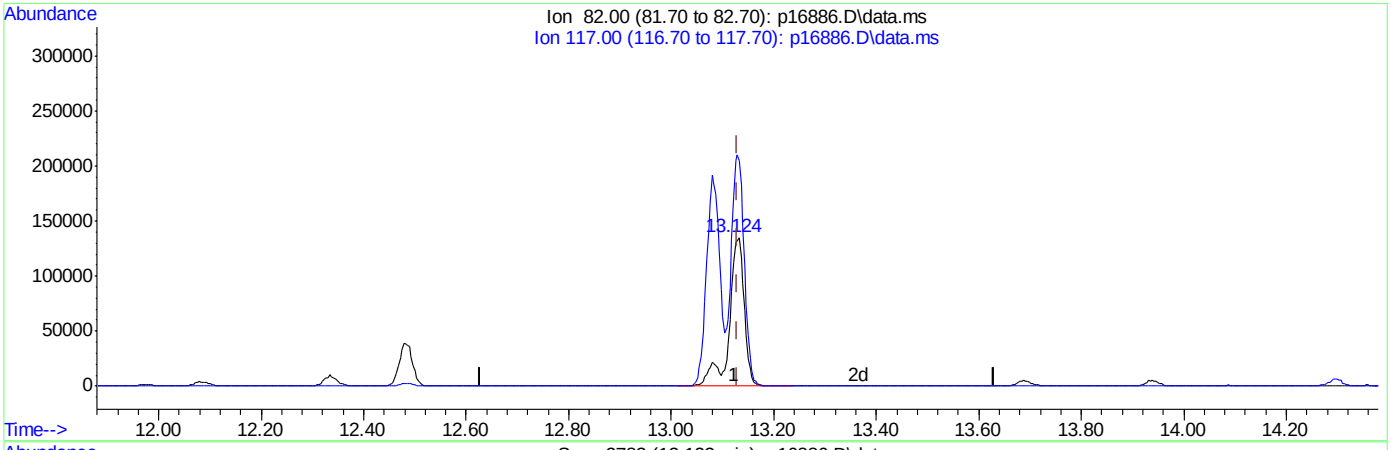


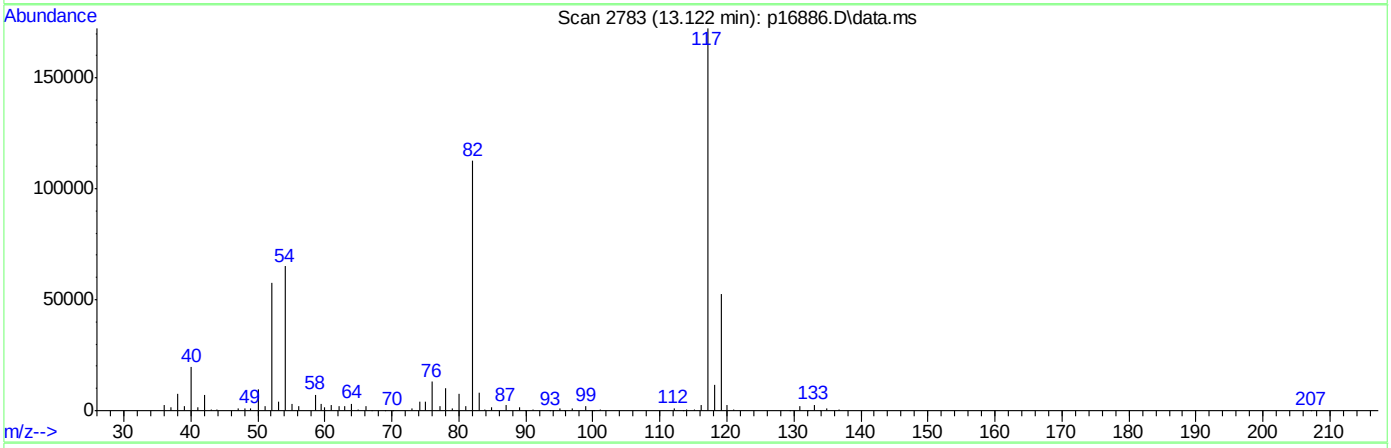
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : p16886.D
Acq On : 17 Apr 2007 7:58 pm
Operator : amym
Sample : ic577-200
Misc : ms13376,msp577,,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 18 08:52:40 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 18 08:51:57 2007
Response via : Initial Calibration






TIC: p16886.D\data.ms

(65) chlorobenzene-d5 (I)

13.124min (-0.006) 50.00ug/L

response 275541

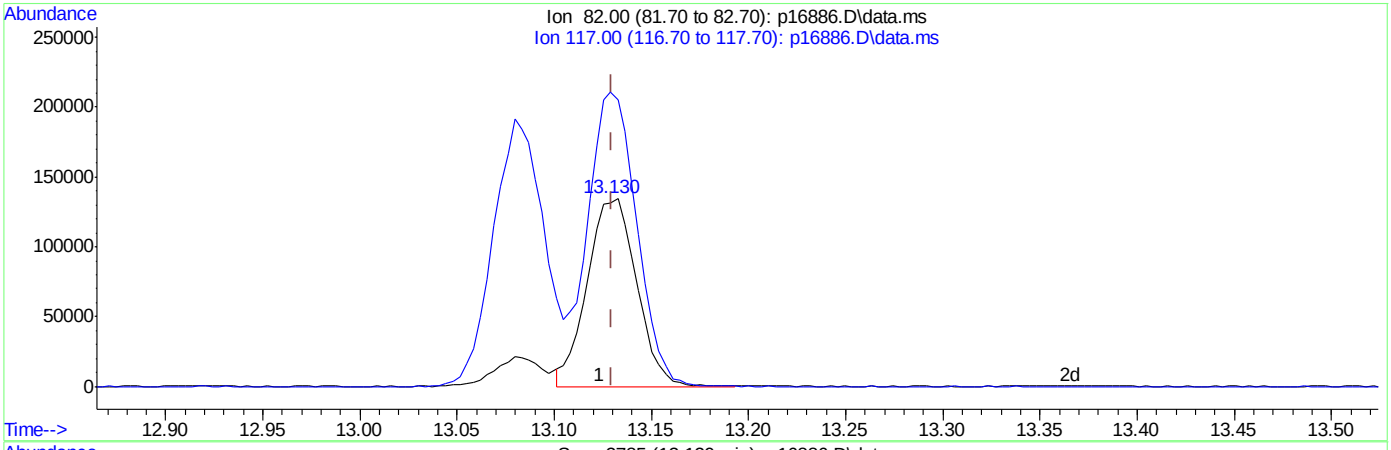
| Ion | Exp% | Act% |
|---|---|---|
| 82.00 | 100 | 100 |
| 117.00 | 202.40 | 153.03# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

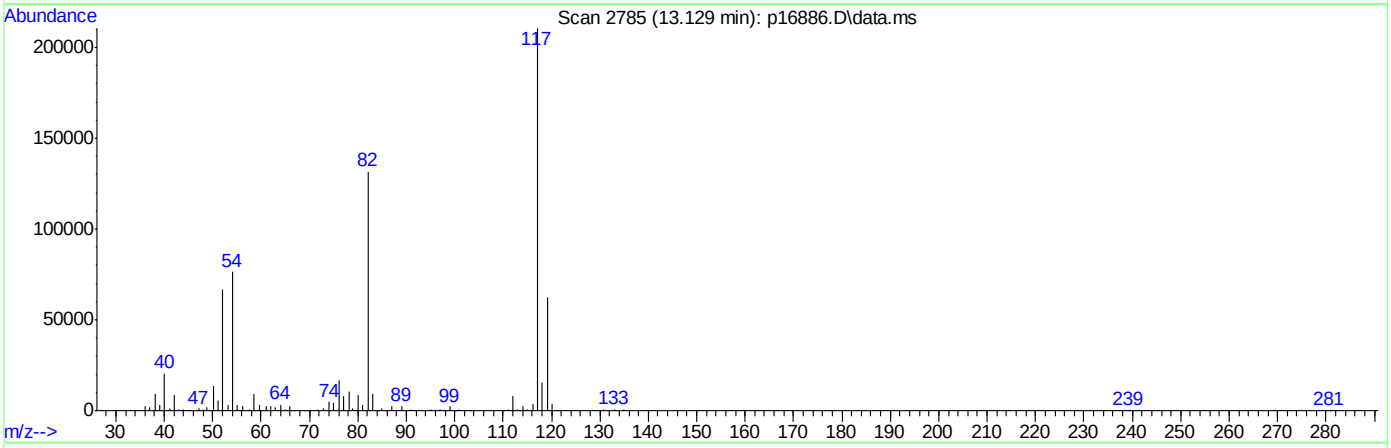
Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : p16886.D
Acq On    : 17 Apr 2007   7:58 pm
Operator  : amym
Sample    : ic577-200
Misc      : ms13376,msp577,,,,5,1
ALS Vial  : 12   Sample Multiplier: 1

Quant Time: Apr 18 08:52:40 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title  : SW-846 Method 8260
QLast Update : Wed Apr 18 08:51:57 2007
Response via : Initial Calibration
```






TIC: p16886.D\data.ms

(65) chlorobenzene-d5 (I)

13.129min (-0.000) 50.00ug/L m

response 237256

| Ion | Exp% | Act% |
|---|---|---|
| 82.00 | 100 | 100 |
| 117.00 | 202.40 | 160.00# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |



ACCUTEST Laboratories M64162

Manual Integrations
APPROVED
(compounds with "m" flag)
Doug Yargeau
04/20/07 09:20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p16887.D
Acq On : 17 Apr 2007 8:26 pm
Operator : amym
Sample : icc577-100
Misc : ms13376,msp577,,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 18 09:46:38 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 18 08:51:57 2007
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 6.614 | 65 | 147992 | 500.00 | ug/L | 0.02 |
| 3) pentafluorobenzene | 9.003 | 168 | 240204 | 50.00 | ug/L | 0.00 |
| 42) 1,4-difluorobenzene | 9.874 | 114 | 395838 | 50.00 | ug/L | 0.00 |
| 65) chlorobenzene-d5 | 13.127 | 82 | 255460 | 50.00 | ug/L | 0.00 |
| 79) 1,4-dichlorobenzene-d4 | 15.690 | 152 | 184031 | 50.00 | ug/L | 0.00 |

System Monitoring Compounds

| | | | | | | |
|---|---|---|---|---|---|---|
| 39) dibromofluoromethane (s) | 8.649 | 113 | 129012 | 47.69 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 85 - 129 | | Recovery = 95.38% | | | |
| 59) toluene-d8 (s) | 11.671 | 98 | 496473 | 49.85 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 99.70% | | | |
| 81) bromofluorobenzene (s) | 14.355 | 95 | 223947 | 49.19 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 119 | | Recovery = 98.38% | | | |

Target Compounds

| | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 2) tertiary butyl alcohol | 6.683 | 59 | 438983 | 794.67 | ug/L | 87 |
| 5) dichlorodifluoromethane | 4.242 | 85 | 408386 | 105.43 | ug/L | 98 |
| 6) chloromethane | 4.495 | 50 | 461781 | 100.03 | ug/L | 98 |
| 7) vinyl chloride | 4.742 | 62 | 344469 | 105.80 | ug/L | 100 |
| 8) bromomethane | 5.249 | 96 | 231925 | 110.12 | ug/L | 95 |
| 9) chloroethane | 5.415 | 64 | 204147 | 104.71 | ug/L | 90 |
| 10) ethyl ether | 6.309 | 59 | 312369 | 102.05 | ug/L | 72 |
| 11) acetonitrile | 5.961 | 41 | 149385 | 82.72 | ug/L | 94 |
| 12) trichlorofluoromethane | 6.068 | 101 | 456670 | 106.10 | ug/L | 95 |
| 13) freon-113 | 6.841 | 101 | 241604 | 108.48 | ug/L | 78 |
| 14) acrolein | 6.079 | 56 | 536869 | 511.43 | ug/L | 100 |
| 15) 1,1-dichloroethene | 6.655 | 96 | 242082 | 100.30 | ug/L # | 33 |
| 16) acetone | 6.205 | 43 | 151932 | 66.65 | ug/L | 90 |
| 17) Methyl Acetate | 6.842 | 43 | 477226 | 84.51 | ug/L # | 81 |
| 18) methylene chloride | 6.803 | 84 | 291696 | 100.13 | ug/L # | 38 |
| 19) methyl tert butyl ether | 7.589 | 73 | 861877 | 127.38 | ug/L | 80 |
| 20) acrylonitrile | 6.725 | 53 | 930805 | 497.89 | ug/L | 94 |
| 21) allyl chloride | 6.897 | 41 | 399203 | 84.05 | ug/L | 70 |
| 22) trans-1,2-dichloroethene | 7.497 | 96 | 262324 | 102.84 | ug/L # | 54 |
| 23) iodomethane | 6.727 | 142 | 95009 | 80.29 | ug/L | 65 |
| 24) carbon disulfide | 7.082 | 76 | 760757 | 103.60 | ug/L | 100 |
| 25) propionitrile | 7.788 | 54 | 70779 | 92.90 | ug/L | 100 |
| 26) vinyl acetate | 7.855 | 43 | 163204 | 67.56 | ug/L | 83 |
| 27) chloroprene | 8.115 | 53 | 580199 | 110.61 | ug/L | 64 |
| 28) di-isopropyl ether | 8.152 | 45 | 1389408 | 102.93 | ug/L | 79 |
| 29) methacrylonitrile | 8.276 | 41 | 293977 | 89.88 | ug/L # | 71 |
| 30) 2-butanone | 8.171 | 72 | 41870 | 106.39 | ug/L # | 1 |
| 31) Hexane | 8.139 | 41 | 544256 | 101.53 | ug/L # | 95 |
| 32) 1,1-dichloroethane | 7.750 | 63 | 576846 | 101.03 | ug/L | 93 |
| 33) tert-butyl ethyl ether | 8.547 | 59 | 951726 | 83.87 | ug/L | 85 |
| 34) isobutyl alcohol | 8.542 | 43 | 128845 | 508.56 | ug/L # | 1 |
| 35) 2,2-dichloropropane | 8.608 | 77 | 278955 | 114.70 | ug/L | 93 |
| 36) cis-1,2-dichloroethene | 8.324 | 96 | 294248 | 102.97 | ug/L # | 63 |
| 37) bromochloromethane | 8.490 | 128 | 120491 | 103.84 | ug/L # | 12 |
| 38) chloroform | 8.527 | 83 | 552205 | 98.60 | ug/L | 92 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p16887.D
Acq On : 17 Apr 2007 8:26 pm
Operator : amym
Sample : icc577-100
Misc : ms13376,msp577,,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 18 09:46:38 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 18 08:51:57 2007
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 40) Tetrahydrofuran | 8.871 | 42 | 146760 | 89.84 ug/L | 63 |
| 41) 1,1,1-trichloroethane | 9.276 | 97 | 531473 | 125.57 ug/L | 92 |
| 43) Cyclohexane | 9.560 | 56 | 570209 | 104.59 ug/L # | 64 |
| 44) carbon tetrachloride | 9.641 | 117 | 402374 | 163.61 ug/L | 98 |
| 45) 1,1-dichloropropene | 9.451 | 75 | 394028 | 102.06 ug/L | 91 |
| 46) benzene | 9.677 | 78 | 1101581 | 106.69 ug/L | 99 |
| 47) 1,2-dichloroethane | 9.178 | 62 | 579111 | 99.40 ug/L | 89 |
| 48) tert-amyl methyl ether | 9.794 | 73 | 663112 | 88.88 ug/L | 80 |
| 49) heptane | 10.150 | 43 | 429896 | 102.90 ug/L # | 72 |
| 50) trichloroethene | 10.296 | 95 | 326791 | 107.13 ug/L | 73 |
| 51) 1,2-dichloropropane | 10.263 | 63 | 340609 | 108.39 ug/L | 95 |
| 52) dibromomethane | 10.238 | 93 | 186561 | 112.92 ug/L # | 67 |
| 53) bromodichloromethane | 10.349 | 83 | 474328 | 125.19 ug/L | 95 |
| 54) Methylcyclohexane | 10.812 | 83 | 371631 | 108.97 ug/L # | 62 |
| 55) 2-chloroethyl vinyl ether | 10.794 | 63 | 18591 | 78.98 ug/L # | 81 |
| 56) methyl methacrylate | 10.442 | 69 | 219112 | 99.35 ug/L # | 38 |
| 57) 1,4-dioxane | 10.482 | 88 | 23394 | 510.51 ug/L # | 46 |
| 58) cis-1,3-dichloropropene | 10.965 | 75 | 431885 | 101.95 ug/L | 88 |
| 60) 4-methyl-2-pentanone | 11.066 | 43 | 537210 | 97.78 ug/L | 85 |
| 61) toluene | 11.743 | 92 | 715097 | 111.25 ug/L | 98 |
| 62) trans-1,3-dichloropropene | 11.384 | 75 | 373361 | 85.75 ug/L | 86 |
| 63) 1,1,2-trichloroethane | 11.558 | 83 | 245080 | 106.04 ug/L | 96 |
| 64) ethyl methacrylate | 11.759 | 69 | 387546 | 103.53 ug/L # | 56 |
| 66) tetrachloroethene | 12.484 | 166 | 256625 | 102.57 ug/L | 93 |
| 67) 1,3-dichloropropane | 11.792 | 76 | 500162 | 99.32 ug/L | 100 |
| 68) dibromochloromethane | 12.084 | 129 | 313175 | 93.49 ug/L | 99 |
| 69) 1,2-dibromoethane | 12.336 | 107 | 292518 | 95.32 ug/L | 97 |
| 70) 2-hexanone | 11.921 | 43 | 392692 | 91.40 ug/L | 85 |
| 71) chlorobenzene | 13.164 | 112 | 728008 | 102.63 ug/L | 89 |
| 72) 1,1,1,2-tetrachloroethane | 13.082 | 131 | 273393 | 94.76 ug/L | 97 |
| 73) ethylbenzene | 13.337 | 91 | 1423884 | 99.83 ug/L | 90 |
| 74) m,p-xylene | 13.522 | 106 | 946484 | 210.85 ug/L # | 68 |
| 75) o-xylene | 13.936 | 106 | 467277 | 104.21 ug/L # | 73 |
| 76) styrene | 13.862 | 104 | 803152 | 98.51 ug/L | 82 |
| 77) bromoform | 13.689 | 173 | 219112 | 90.31 ug/L | 98 |
| 78) trans-1,4-dichloro-2-b... | 14.083 | 53 | 55896 | 61.67 ug/L # | 32 |
| 80) isopropylbenzene | 14.297 | 105 | 1079309 | 104.91 ug/L | 92 |
| 82) bromobenzene | 14.587 | 156 | 304235 | 106.32 ug/L # | 65 |
| 83) 1,1,2,2-tetrachloroethane | 13.938 | 83 | 397730 | 107.76 ug/L | 98 |
| 84) 1,2,3-trichloropropane | 14.085 | 75 | 416857 | 99.33 ug/L | 98 |
| 85) n-propylbenzene | 14.743 | 91 | 1538528 | 105.24 ug/L | 88 |
| 86) 2-chlorotoluene | 14.863 | 91 | 1006589 | 102.82 ug/L | 85 |
| 87) 4-chlorotoluene | 14.938 | 91 | 1043830 | 102.76 ug/L | 84 |
| 88) 1,3,5-trimethylbenzene | 15.020 | 105 | 1053609 | 104.60 ug/L | 86 |
| 89) tert-butylbenzene | 15.325 | 91 | 662573m | 100.52 ug/L | |
| 90) 1,2,4-trimethylbenzene | 15.430 | 105 | 1092419 | 103.76 ug/L | 89 |
| 91) sec-butylbenzene | 15.548 | 105 | 1203024 | 105.17 ug/L | 92 |
| 92) 1,3-dichlorobenzene | 15.652 | 146 | 570728 | 107.75 ug/L | 93 |
| 93) p-isopropyltoluene | 15.719 | 119 | 982209 | 109.50 ug/L | 90 |
| 94) 1,4-dichlorobenzene | 15.719 | 146 | 571644 | 112.66 ug/L | 95 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p16887.D
Acq On : 17 Apr 2007 8:26 pm
Operator : amym
Sample : icc577-100
Misc : ms13376,msp577,,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 18 09:46:38 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 18 08:51:57 2007
Response via : Initial Calibration

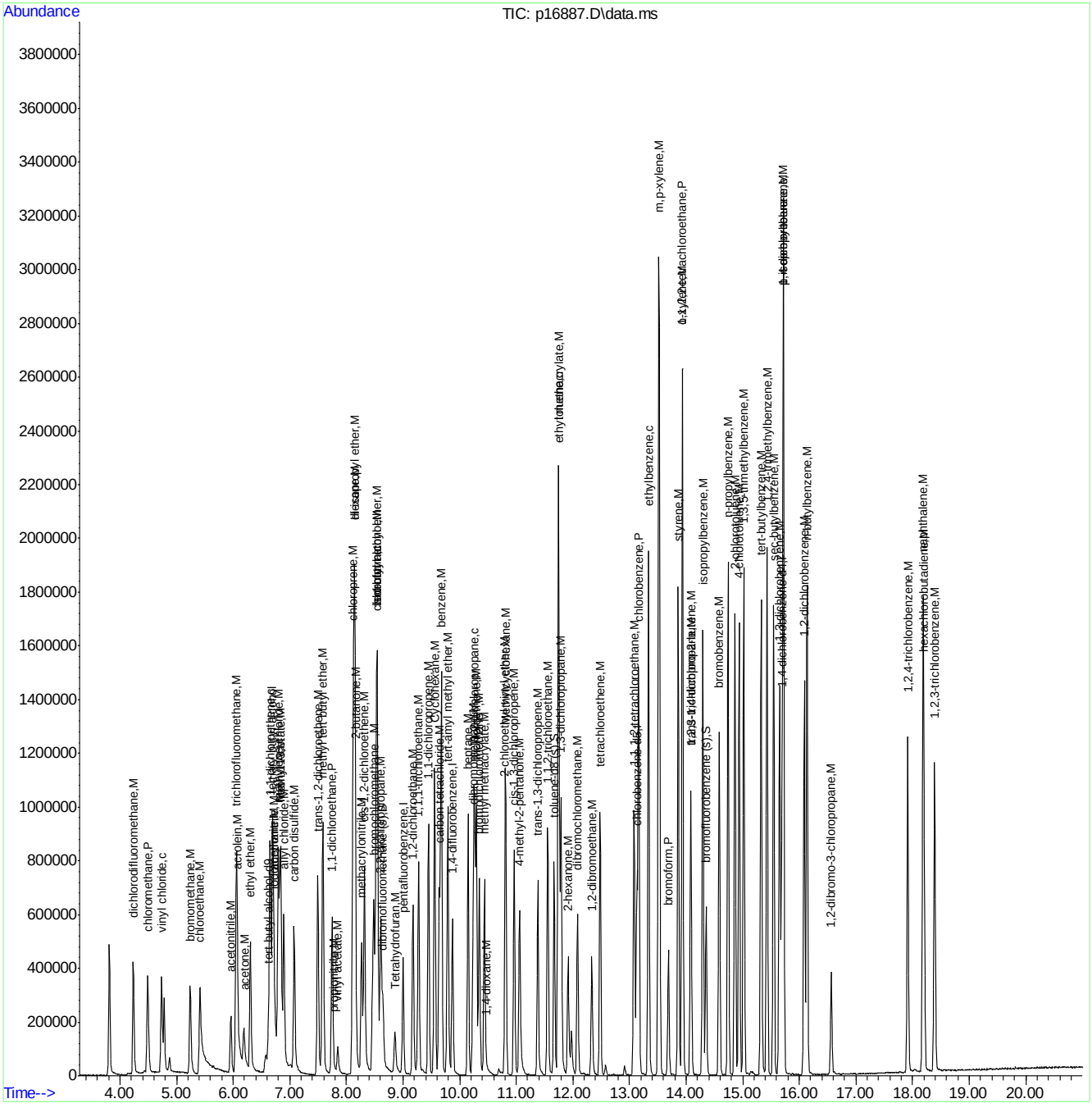
| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 95) 1,2-dichlorobenzene | 16.087 | 146 | 571401 | 107.88 ug/L | 95 |
| 96) n-butylbenzene | 16.137 | 91 | 1057532 | 103.59 ug/L | 85 |
| 97) 1,2-dibromo-3-chloropr... | 16.565 | 75 | 108181 | 96.49 ug/L # | 52 |
| 98) 1,2,4-trichlorobenzene | 17.917 | 180 | 388923 | 108.80 ug/L | 92 |
| 99) hexachlorobutadiene | 18.206 | 225 | 145748 | 111.01 ug/L | 82 |
| 100) naphthalene | 18.186 | 128 | 1228230 | 111.47 ug/L | 100 |
| 101) 1,2,3-trichlorobenzene | 18.392 | 180 | 365298 | 108.12 ug/L | 100 |

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p16887.D
Acq On : 17 Apr 2007 8:26 pm
Operator : amym
Sample : icc577-100
Misc : ms13376,msp577,,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 18 09:46:38 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 18 08:51:57 2007
Response via : Initial Calibration









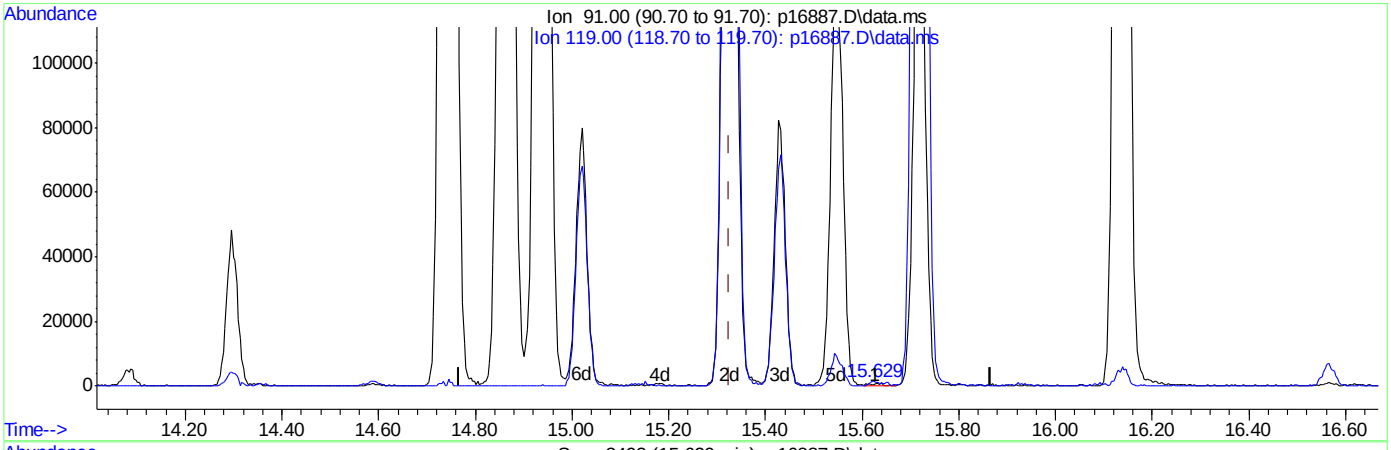

ACCUTEST Laboratories M64162

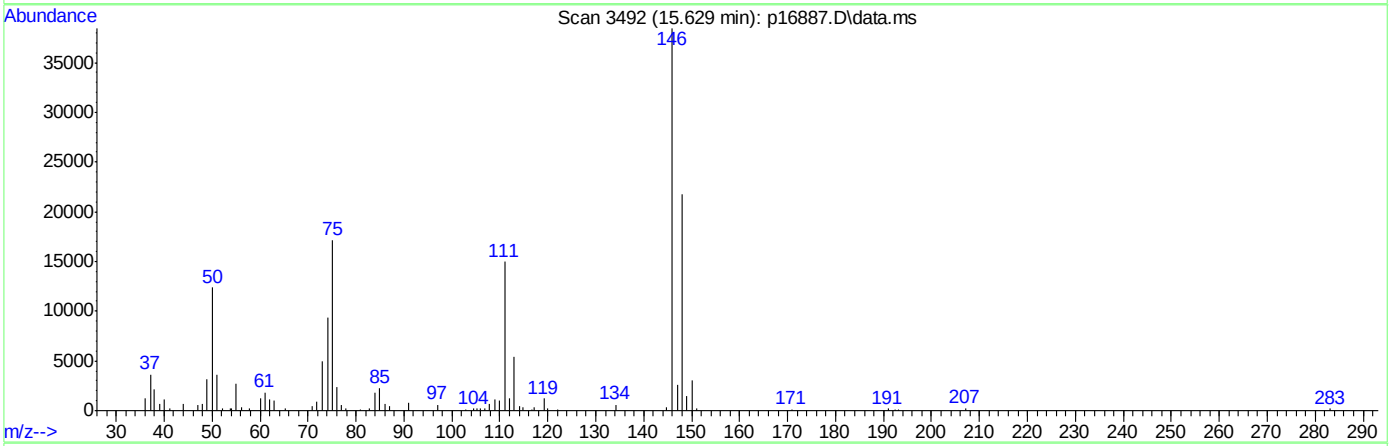
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : p16887.D
Acq On : 17 Apr 2007 8:26 pm
Operator : amym
Sample : icc577-100
Misc : ms13376,msp577,,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 18 08:52:44 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 18 08:51:57 2007
Response via : Initial Calibration






(89) tert-butylbenzene (M)

15.629min (+0.302) 0.29ug/L

response 1886

| Ion | Exp% | Act% |
|---|---|---|
| 91.00 | 100 | 100 |
| 119.00 | 157.60 | 167.25 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |



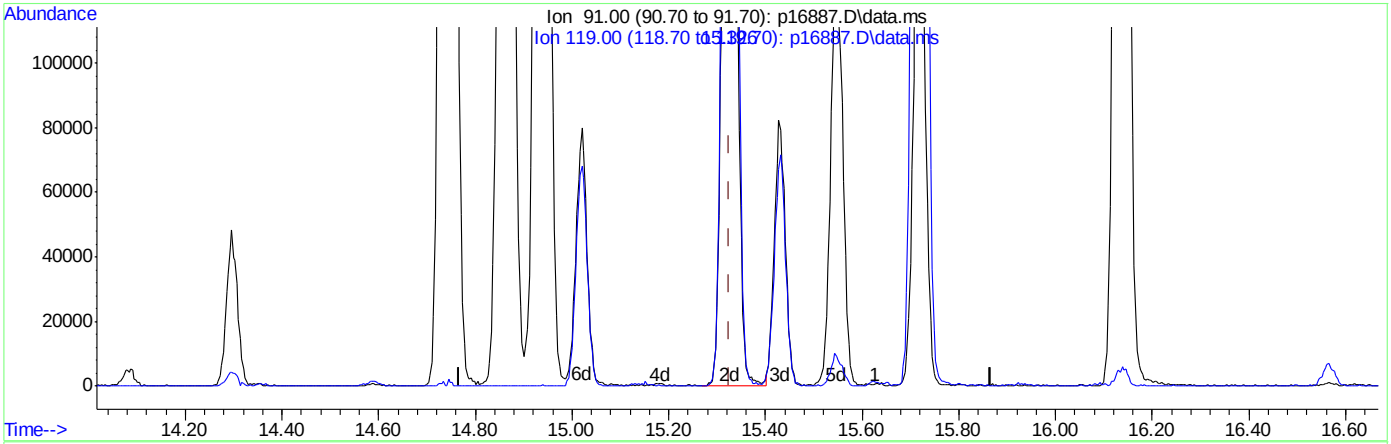
ACCUTEST Laboratories M64162

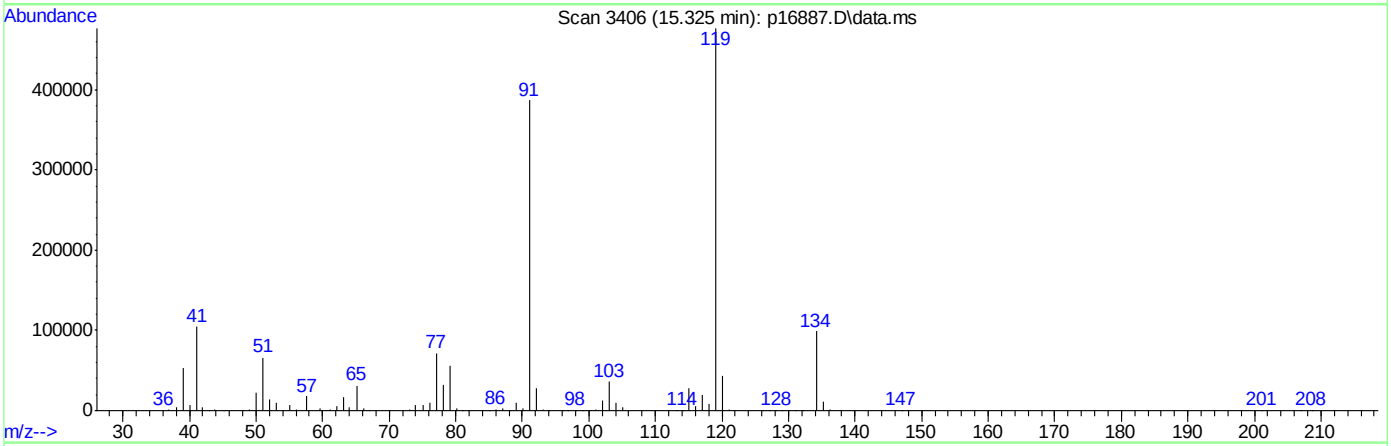
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : p16887.D
Acq On : 17 Apr 2007 8:26 pm
Operator : amym
Sample : icc577-100
Misc : ms13376,msp577,,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 18 08:52:44 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 18 08:51:57 2007
Response via : Initial Calibration






(89) tert-butylbenzene (M)

15.325min (-0.002) 100.52ug/L m

response 662573

| Ion | Exp% | Act% |
|---|---|---|
| 91.00 | 100 | 100 |
| 119.00 | 157.60 | 123.11# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |



ACCUTEST Laboratories M64162

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
04/20/07 09:20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p16888.D
Acq On : 17 Apr 2007 8:55 pm
Operator : amym
Sample : ic577-50
Misc : ms13376,msp577,,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 18 09:47:24 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 18 08:51:57 2007
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 6.610 | 65 | 144441 | 500.00 | ug/L | 0.02 |
| 3) pentafluorobenzene | 9.003 | 168 | 240868 | 50.00 | ug/L | 0.00 |
| 42) 1,4-difluorobenzene | 9.874 | 114 | 392551 | 50.00 | ug/L | 0.00 |
| 65) chlorobenzene-d5 | 13.128 | 82 | 244722 | 50.00 | ug/L | 0.00 |
| 79) 1,4-dichlorobenzene-d4 | 15.691 | 152 | 179791 | 50.00 | ug/L | 0.00 |

System Monitoring Compounds

| | | | | | | |
|---|---|---|---|---|---|---|
| 39) dibromofluoromethane (s) | 8.648 | 113 | 132958 | 49.01 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 85 - 129 | | Recovery = 98.02% | | | |
| 59) toluene-d8 (s) | 11.671 | 98 | 492216 | 49.83 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 99.66% | | | |
| 81) bromofluorobenzene (s) | 14.355 | 95 | 218320 | 49.08 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 119 | | Recovery = 98.16% | | | |

Target Compounds

| | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 2) tertiary butyl alcohol | 6.689 | 59 | 237734 | 440.94 | ug/L # | 82 |
| 5) dichlorodifluoromethane | 4.240 | 85 | 199603 | 51.39 | ug/L | 92 |
| 6) chloromethane | 4.494 | 50 | 223037 | 48.18 | ug/L | 99 |
| 7) vinyl chloride | 4.742 | 62 | 174303 | 53.39 | ug/L | 97 |
| 8) bromomethane | 5.247 | 96 | 117121 | 55.46 | ug/L | 96 |
| 9) chloroethane | 5.413 | 64 | 102523 | 52.44 | ug/L | 96 |
| 10) ethyl ether | 6.308 | 59 | 155394 | 50.63 | ug/L | 76 |
| 11) acetonitrile | 5.960 | 41 | 110437 | 60.99 | ug/L | 99 |
| 12) trichlorofluoromethane | 6.067 | 101 | 222923 | 51.65 | ug/L | 95 |
| 13) freon-113 | 6.840 | 101 | 117415 | 52.58 | ug/L | 79 |
| 14) acrolein | 6.081 | 56 | 269623 | 256.14 | ug/L | 100 |
| 15) 1,1-dichloroethene | 6.654 | 96 | 126272 | 52.17 | ug/L # | 48 |
| 16) acetone | 6.209 | 43 | 77084 | 33.72 | ug/L | 88 |
| 17) Methyl Acetate | 6.847 | 43 | 255086 | 45.05 | ug/L # | 80 |
| 18) methylene chloride | 6.803 | 84 | 147230 | 50.40 | ug/L # | 45 |
| 19) methyl tert butyl ether | 7.588 | 73 | 401232 | 59.14 | ug/L | 86 |
| 20) acrylonitrile | 6.720 | 53 | 447681 | 238.80 | ug/L | 97 |
| 21) allyl chloride | 6.897 | 41 | 191177 | 40.14 | ug/L | 68 |
| 22) trans-1,2-dichloroethene | 7.498 | 96 | 134693 | 52.66 | ug/L # | 59 |
| 23) iodomethane | 6.726 | 142 | 47702 | 40.20 | ug/L | 62 |
| 24) carbon disulfide | 7.083 | 76 | 383278 | 52.05 | ug/L | 99 |
| 25) propionitrile | 7.788 | 54 | 35236 | 46.12 | ug/L | 100 |
| 26) vinyl acetate | 7.861 | 43 | 63199 | 26.09 | ug/L | 89 |
| 27) chloroprene | 8.116 | 53 | 276370 | 52.54 | ug/L | 64 |
| 28) di-isopropyl ether | 8.152 | 45 | 691940 | 51.12 | ug/L | 79 |
| 29) methacrylonitrile | 8.278 | 41 | 144508 | 44.06 | ug/L # | 71 |
| 30) 2-butanone | 8.175 | 72 | 20499 | 51.94 | ug/L # | 1 |
| 31) Hexane | 8.140 | 41 | 265615 | 49.41 | ug/L # | 84 |
| 32) 1,1-dichloroethane | 7.750 | 63 | 290412 | 50.72 | ug/L | 95 |
| 33) tert-butyl ethyl ether | 8.548 | 59 | 407017 | 35.77 | ug/L | 87 |
| 34) isobutyl alcohol | 8.533 | 43 | 75327m | 296.50 | ug/L | |
| 35) 2,2-dichloropropane | 8.609 | 77 | 92520 | 37.94 | ug/L | 94 |
| 36) cis-1,2-dichloroethene | 8.322 | 96 | 148110 | 51.69 | ug/L # | 61 |
| 37) bromochloromethane | 8.489 | 128 | 61369 | 52.74 | ug/L # | 20 |
| 38) chloroform | 8.526 | 83 | 277924 | 49.49 | ug/L | 90 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p16888.D
Acq On : 17 Apr 2007 8:55 pm
Operator : amym
Sample : ic577-50
Misc : ms13376,msp577,,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 18 09:47:24 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 18 08:51:57 2007
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 40) Tetrahydrofuran | 8.869 | 42 | 69204 | 42.25 ug/L | 63 |
| 41) 1,1,1-trichloroethane | 9.276 | 97 | 253495 | 59.73 ug/L | 91 |
| 43) Cyclohexane | 9.559 | 56 | 277279 | 51.29 ug/L # | 63 |
| 44) carbon tetrachloride | 9.641 | 117 | 185383 | 76.01 ug/L | 98 |
| 45) 1,1-dichloropropene | 9.451 | 75 | 195794 | 51.14 ug/L | 90 |
| 46) benzene | 9.677 | 78 | 553672 | 54.07 ug/L | 99 |
| 47) 1,2-dichloroethane | 9.177 | 62 | 297238 | 51.45 ug/L | 90 |
| 48) tert-amyl methyl ether | 9.793 | 73 | 295621 | 39.96 ug/L | 81 |
| 49) heptane | 10.150 | 43 | 201971 | 48.75 ug/L # | 71 |
| 50) trichloroethene | 10.295 | 95 | 159149 | 52.61 ug/L # | 68 |
| 51) 1,2-dichloropropane | 10.262 | 63 | 167829 | 53.85 ug/L | 95 |
| 52) dibromomethane | 10.238 | 93 | 95540 | 58.31 ug/L # | 72 |
| 53) bromodichloromethane | 10.349 | 83 | 234783 | 62.49 ug/L | 97 |
| 54) Methylcyclohexane | 10.812 | 83 | 176380 | 52.15 ug/L # | 62 |
| 55) 2-chloroethyl vinyl ether | 10.793 | 63 | 6675 | 28.60 ug/L # | 50 |
| 56) methyl methacrylate | 10.442 | 69 | 102690 | 46.95 ug/L # | 44 |
| 57) 1,4-dioxane | 10.478 | 88 | 11443 | 251.80 ug/L | 63 |
| 58) cis-1,3-dichloropropene | 10.965 | 75 | 191983 | 45.70 ug/L | 87 |
| 60) 4-methyl-2-pentanone | 11.069 | 43 | 252147 | 46.28 ug/L | 85 |
| 61) toluene | 11.744 | 92 | 360226 | 56.51 ug/L | 95 |
| 62) trans-1,3-dichloropropene | 11.385 | 75 | 158591 | 36.73 ug/L | 91 |
| 63) 1,1,2-trichloroethane | 11.557 | 83 | 120124 | 52.41 ug/L | 97 |
| 64) ethyl methacrylate | 11.760 | 69 | 178457 | 48.07 ug/L # | 49 |
| 66) tetrachloroethene | 12.483 | 166 | 127120 | 53.04 ug/L | 90 |
| 67) 1,3-dichloropropane | 11.792 | 76 | 246523 | 51.10 ug/L | 98 |
| 68) dibromochloromethane | 12.084 | 129 | 148396 | 46.25 ug/L | 96 |
| 69) 1,2-dibromoethane | 12.336 | 107 | 142560 | 48.49 ug/L | 97 |
| 70) 2-hexanone | 11.925 | 43 | 186878 | 45.41 ug/L | 82 |
| 71) chlorobenzene | 13.164 | 112 | 364378 | 53.62 ug/L | 88 |
| 72) 1,1,1,2-tetrachloroethane | 13.082 | 131 | 132120 | 47.80 ug/L | 97 |
| 73) ethylbenzene | 13.338 | 91 | 697527 | 51.05 ug/L | 90 |
| 74) m,p-xylene | 13.522 | 106 | 480969 | 111.85 ug/L # | 73 |
| 75) o-xylene | 13.936 | 106 | 234510 | 54.59 ug/L # | 78 |
| 76) styrene | 13.863 | 104 | 383530 | 49.10 ug/L | 77 |
| 77) bromoform | 13.689 | 173 | 100229 | 43.12 ug/L | 96 |
| 78) trans-1,4-dichloro-2-b... | 14.085 | 53 | 20685 | 23.82 ug/L # | 88 |
| 80) isopropylbenzene | 14.297 | 105 | 525737 | 52.31 ug/L | 91 |
| 82) bromobenzene | 14.587 | 156 | 150306 | 53.77 ug/L # | 64 |
| 83) 1,1,2,2-tetrachloroethane | 13.938 | 83 | 201033 | 55.75 ug/L | 96 |
| 84) 1,2,3-trichloropropane | 14.086 | 75 | 197817 | 48.25 ug/L | 99 |
| 85) n-propylbenzene | 14.743 | 91 | 746668 | 52.28 ug/L | 91 |
| 86) 2-chlorotoluene | 14.863 | 91 | 494061 | 51.66 ug/L | 83 |
| 87) 4-chlorotoluene | 14.938 | 91 | 513953 | 51.79 ug/L | 83 |
| 88) 1,3,5-trimethylbenzene | 15.020 | 105 | 512064 | 52.03 ug/L | 90 |
| 89) tert-butylbenzene | 15.326 | 91 | 318595 | 49.47 ug/L # | 72 |
| 90) 1,2,4-trimethylbenzene | 15.430 | 105 | 535403 | 52.06 ug/L | 89 |
| 91) sec-butylbenzene | 15.548 | 105 | 580392 | 51.94 ug/L | 91 |
| 92) 1,3-dichlorobenzene | 15.653 | 146 | 281365 | 54.37 ug/L | 92 |
| 93) p-isopropyltoluene | 15.719 | 119 | 478772 | 54.64 ug/L | 89 |
| 94) 1,4-dichlorobenzene | 15.720 | 146 | 286827 | 57.86 ug/L | 94 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p16888.D
Acq On : 17 Apr 2007 8:55 pm
Operator : amym
Sample : ic577-50
Misc : ms13376,msp577,,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 18 09:47:24 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 18 08:51:57 2007
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 95) 1,2-dichlorobenzene | 16.088 | 146 | 277912 | 53.71 ug/L | 93 |
| 96) n-butylbenzene | 16.137 | 91 | 501387 | 50.27 ug/L | 83 |
| 97) 1,2-dibromo-3-chloropr... | 16.566 | 75 | 51560 | 47.07 ug/L # | 47 |
| 98) 1,2,4-trichlorobenzene | 17.917 | 180 | 183655 | 52.59 ug/L | 99 |
| 99) hexachlorobutadiene | 18.206 | 225 | 67616 | 52.71 ug/L | 84 |
| 100) naphthalene | 18.187 | 128 | 589950 | 54.80 ug/L | 100 |
| 101) 1,2,3-trichlorobenzene | 18.392 | 180 | 177447 | 53.76 ug/L | 94 |

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

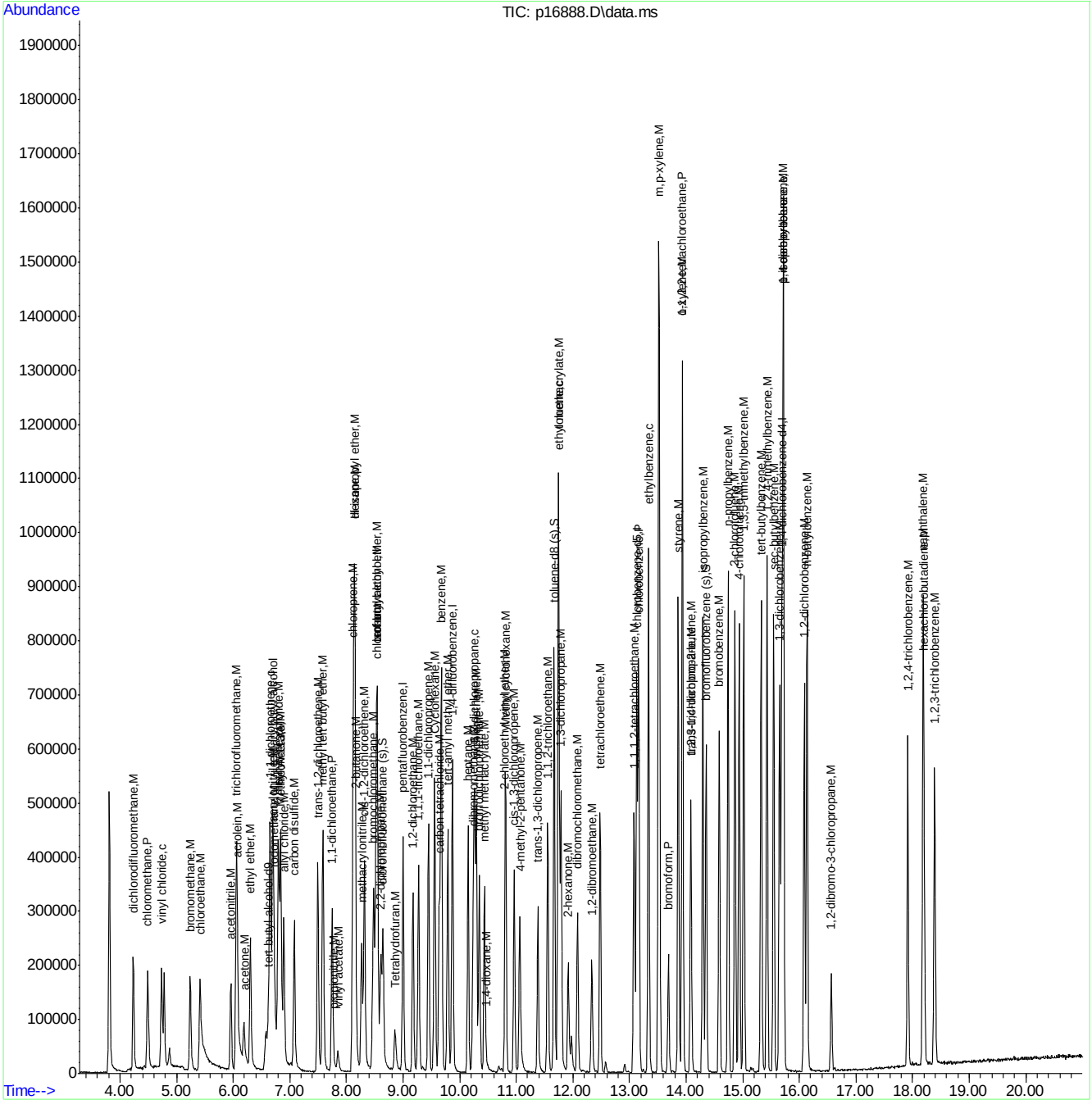
6.6.33

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p16888.D
Acq On : 17 Apr 2007 8:55 pm
Operator : amym
Sample : ic577-50
Misc : ms13376,msp577,,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 18 09:47:24 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 18 08:51:57 2007
Response via : Initial Calibration

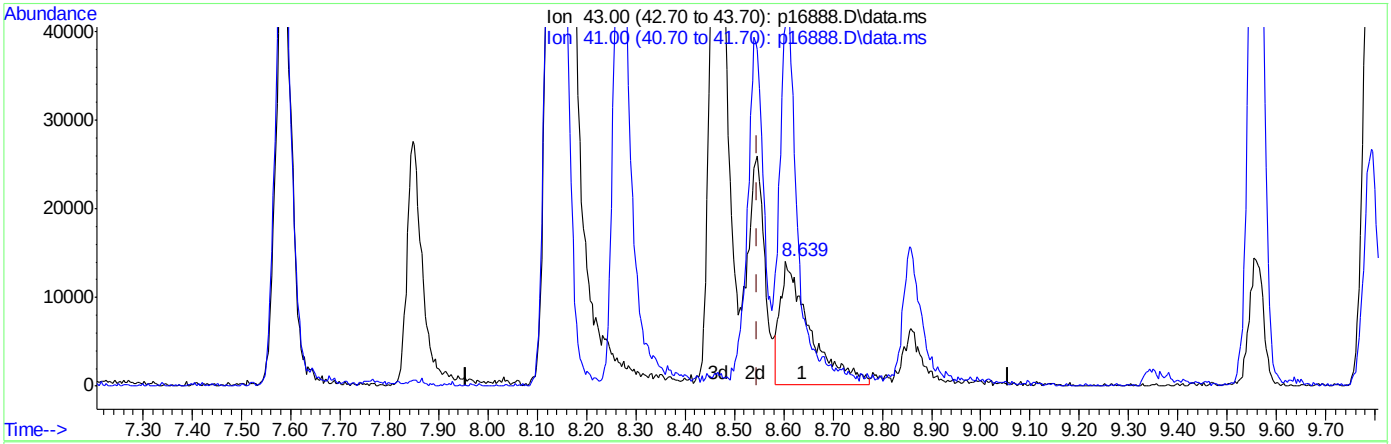


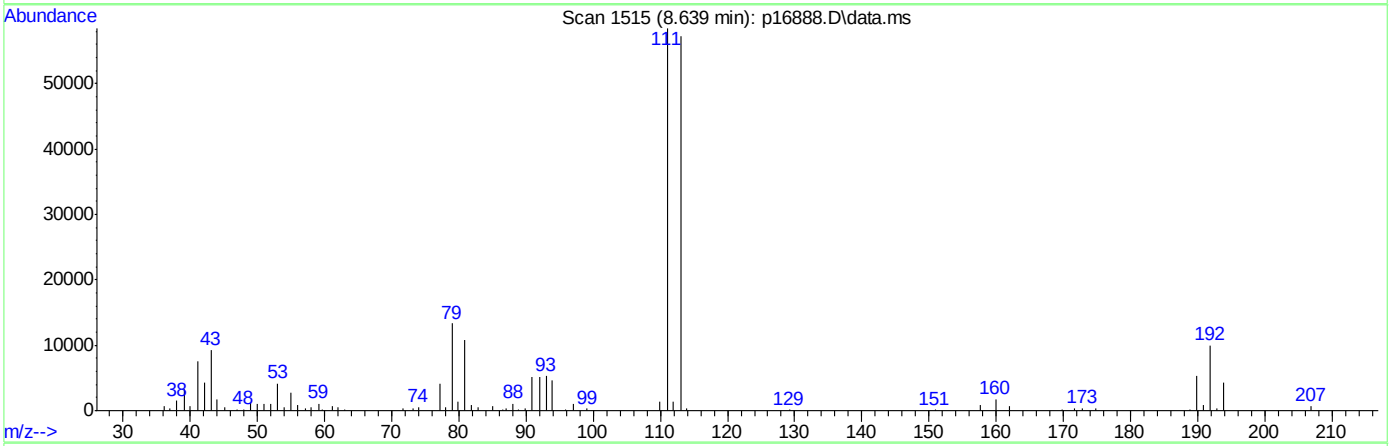
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : p16888.D
Acq On : 17 Apr 2007 8:55 pm
Operator : amym
Sample : ic577-50
Misc : ms13376,msp577,,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 18 08:52:47 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 18 08:51:57 2007
Response via : Initial Calibration






TIC: p16888.D\data.ms

(34) isobutyl alcohol (M)

8.639min (+0.093) 229.00ug/L

response 58178

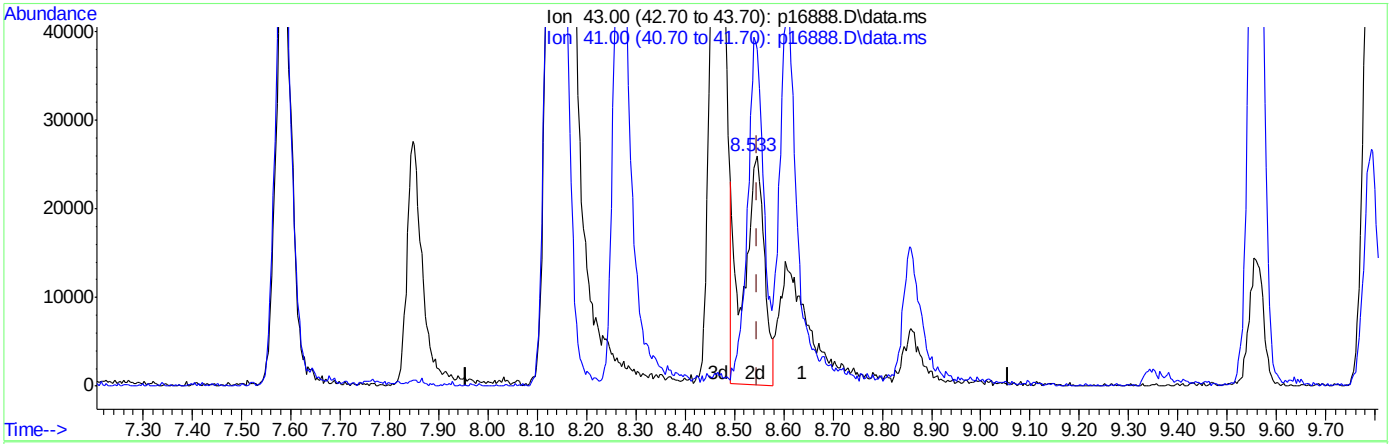
| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 41.00 | 88.50 | 79.78 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

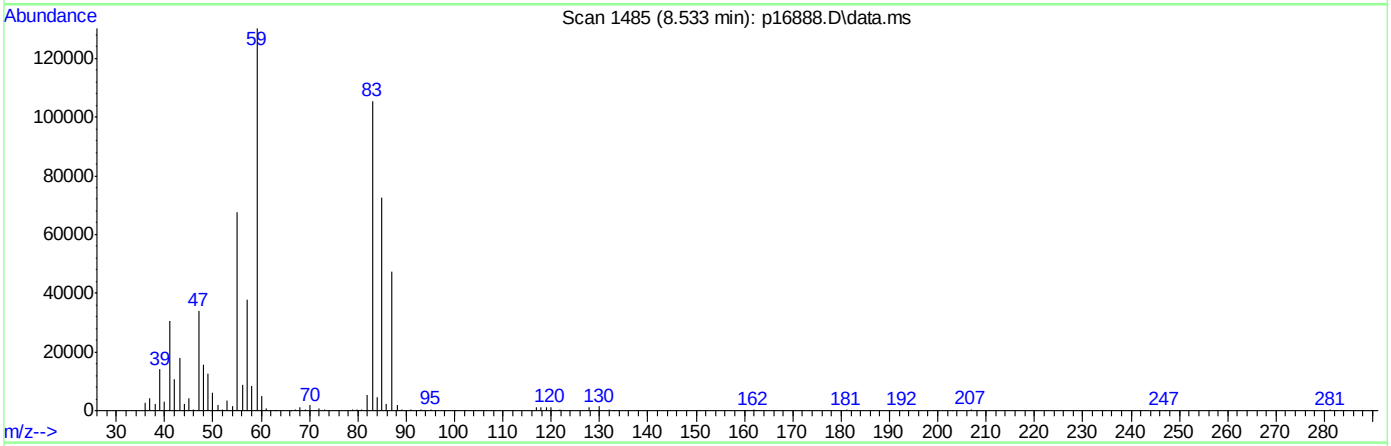
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : p16888.D
Acq On : 17 Apr 2007 8:55 pm
Operator : amym
Sample : ic577-50
Misc : ms13376,msp577,,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 18 08:52:47 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 18 08:51:57 2007
Response via : Initial Calibration






TIC: p16888.D\data.ms

(34) isobutyl alcohol (M)

8.533min (-0.013) 296.50ug/L m

response 75327

| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 41.00 | 88.50 | 170.78# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p16889.D
Acq On : 17 Apr 2007 9:23 pm
Operator : amym
Sample : icv577-50
Misc : ms13376,msp577,,,,5,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Apr 19 12:31:05 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 18 11:35:21 2007
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 6.609 | 65 | 129135 | 500.00 | ug/L | 0.02 |
| 3) pentafluorobenzene | 9.004 | 168 | 244184 | 50.00 | ug/L | 0.00 |
| 42) 1,4-difluorobenzene | 9.875 | 114 | 394361 | 50.00 | ug/L | 0.00 |
| 65) chlorobenzene-d5 | 13.129 | 82 | 242674 | 50.00 | ug/L | 0.00 |
| 79) 1,4-dichlorobenzene-d4 | 15.691 | 152 | 181195 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 39) dibromofluoromethane (s) | 8.649 | 113 | 130414 | 46.87 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 85 - 129 | | Recovery = 93.74% | | | |
| 59) toluene-d8 (s) | 11.672 | 98 | 494480 | 49.65 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 99.30% | | | |
| 81) bromofluorobenzene (s) | 14.356 | 95 | 220634 | 49.99 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 119 | | Recovery = 99.98% | | | |

| Target Compounds | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 2) tertiary butyl alcohol | 6.682 | 59 | 193052 | 452.36 | ug/L # | 77 |
| 4) Ethanol | 5.465 | 45 | 217447 | 3698.04 | ug/L # | 100 |
| 5) dichlorodifluoromethane | 4.240 | 85 | 168486 | 43.17 | ug/L | 100 |
| 6) chloromethane | 4.496 | 50 | 232772 | 48.66 | ug/L | 98 |
| 7) vinyl chloride | 4.743 | 62 | 176589 | 46.56 | ug/L | 96 |
| 8) bromomethane | 5.249 | 96 | 119133 | 52.48 | ug/L | 98 |
| 9) chloroethane | 5.414 | 64 | 105236 | 46.71 | ug/L | 95 |
| 10) ethyl ether | 6.309 | 59 | 165066 | 52.88 | ug/L | 71 |
| 11) acetonitrile | 5.961 | 41 | 109930 | 66.55 | ug/L | 98 |
| 12) trichlorofluoromethane | 6.067 | 101 | 232523 | 51.00 | ug/L | 100 |
| 13) freon-113 | 6.841 | 101 | 99531 | 44.31 | ug/L | 76 |
| 14) acrolein | 6.077 | 56 | 226014 | 221.95 | ug/L | 96 |
| 15) 1,1-dichloroethene | 6.655 | 96 | 121372 | 48.39 | ug/L # | 49 |
| 16) acetone | 6.202 | 43 | 56661 | 39.21 | ug/L | 87 |
| 17) Methyl Acetate | 6.843 | 43 | 276910 | 53.49 | ug/L # | 86 |
| 18) methylene chloride | 6.804 | 84 | 167986 | 56.17 | ug/L # | 40 |
| 19) methyl tert butyl ether | 7.588 | 73 | 374068 | 49.69 | ug/L | 81 |
| 20) acrylonitrile | 6.719 | 53 | 379377 | 210.14 | ug/L | 92 |
| 21) allyl chloride | 6.897 | 41 | 179444 | 45.98 | ug/L | 63 |
| 22) trans-1,2-dichloroethene | 7.498 | 96 | 127163 | 45.93 | ug/L # | 63 |
| 23) iodomethane | 6.728 | 142 | 48717 | 49.15 | ug/L # | 49 |
| 24) carbon disulfide | 7.083 | 76 | 348947 | 43.89 | ug/L | 99 |
| 25) propionitrile | 7.784 | 54 | 29785 | 44.22 | ug/L | 100 |
| 26) vinyl acetate | 7.856 | 43 | 81180 | 51.99 | ug/L | 91 |
| 27) chloroprene | 8.116 | 53 | 261814 | 51.04 | ug/L | 67 |
| 28) di-isopropyl ether | 8.153 | 45 | 732437 | 52.89 | ug/L | 78 |
| 29) methacrylonitrile | 8.279 | 41 | 137144 | 45.50 | ug/L # | 74 |
| 30) 2-butanone | 8.170 | 72 | 18574 | 45.52 | ug/L # | 1 |
| 31) Hexane | 8.141 | 41 | 256835 | 45.34 | ug/L # | 84 |
| 32) 1,1-dichloroethane | 7.750 | 63 | 275176 | 44.42 | ug/L | 95 |
| 33) tert-butyl ethyl ether | 8.549 | 59 | 416126 | 44.25 | ug/L | 85 |
| 34) isobutyl alcohol | 8.546 | 43 | 43798 | 142.76 | ug/L # | 14 |
| 35) 2,2-dichloropropane | 8.609 | 77 | 85637 | 38.39 | ug/L | 92 |
| 36) cis-1,2-dichloroethene | 8.323 | 96 | 148441 | 46.69 | ug/L # | 69 |
| 37) bromochloromethane | 8.491 | 128 | 57974 | 46.13 | ug/L # | 5 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p16889.D
Acq On : 17 Apr 2007 9:23 pm
Operator : amym
Sample : icv577-50
Misc : ms13376,msp577,,,,5,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Apr 19 12:31:05 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 18 11:35:21 2007
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 38) chloroform | 8.526 | 83 | 269594 | 44.03 ug/L | 91 |
| 40) Tetrahydrofuran | 8.869 | 42 | 58448 | 40.82 ug/L | 77 |
| 41) 1,1,1-trichloroethane | 9.277 | 97 | 241144 | 50.23 ug/L | 93 |
| 43) Cyclohexane | 9.560 | 56 | 257485 | 47.54 ug/L # | 64 |
| 44) carbon tetrachloride | 9.641 | 117 | 176750 | 45.01 ug/L | 99 |
| 45) 1,1-dichloropropene | 9.451 | 75 | 181130 | 48.12 ug/L | 91 |
| 46) benzene | 9.678 | 78 | 532199 | 47.91 ug/L | 97 |
| 47) 1,2-dichloroethane | 9.178 | 62 | 274068 | 43.62 ug/L | 89 |
| 48) tert-amyl methyl ether | 9.793 | 73 | 302206 | 46.64 ug/L | 79 |
| 49) heptane | 10.151 | 43 | 176215 | 45.80 ug/L # | 70 |
| 50) trichloroethene | 10.297 | 95 | 153912 | 48.17 ug/L | 72 |
| 51) 1,2-dichloropropane | 10.264 | 63 | 158150 | 47.99 ug/L | 94 |
| 52) dibromomethane | 10.238 | 93 | 90500 | 45.76 ug/L # | 71 |
| 53) bromodichloromethane | 10.348 | 83 | 227399 | 51.69 ug/L | 96 |
| 54) Methylcyclohexane | 10.812 | 83 | 161920 | 46.57 ug/L # | 59 |
| 55) 2-chloroethyl vinyl ether | 10.792 | 63 | 5892 | 38.65 ug/L # | 44 |
| 56) methyl methacrylate | 10.442 | 69 | 93423 | 44.98 ug/L # | 32 |
| 57) 1,4-dioxane | 10.452 | 88 | 5717 | Below Cal # | 12 |
| 58) cis-1,3-dichloropropene | 10.968 | 75 | 179667 | 44.15 ug/L | 84 |
| 60) 4-methyl-2-pentanone | 11.073 | 43 | 234971 | 47.22 ug/L | 85 |
| 61) toluene | 11.744 | 92 | 349928 | 48.77 ug/L | 98 |
| 62) trans-1,3-dichloropropene | 11.386 | 75 | 147649 | 42.08 ug/L | 86 |
| 63) 1,1,2-trichloroethane | 11.557 | 83 | 109463 | 44.74 ug/L | 95 |
| 64) ethyl methacrylate | 11.762 | 69 | 170819 | 47.20 ug/L # | 56 |
| 66) tetrachloroethene | 12.484 | 166 | 123682 | 48.99 ug/L | 92 |
| 67) 1,3-dichloropropane | 11.794 | 76 | 231546 | 45.43 ug/L | 97 |
| 68) dibromochloromethane | 12.085 | 129 | 147353 | 52.35 ug/L | 96 |
| 69) 1,2-dibromoethane | 12.338 | 107 | 133567 | 46.51 ug/L | 95 |
| 70) 2-hexanone | 11.929 | 43 | 166880 | 45.83 ug/L | 86 |
| 71) chlorobenzene | 13.165 | 112 | 358021 | 47.77 ug/L | 88 |
| 72) 1,1,1,2-tetrachloroethane | 13.082 | 131 | 126627 | 50.19 ug/L | 98 |
| 73) ethylbenzene | 13.338 | 91 | 672196 | 52.42 ug/L | 92 |
| 74) m,p-xylene | 13.523 | 106 | 462156 | 105.92 ug/L # | 74 |
| 75) o-xylene | 13.936 | 106 | 231757 | 54.50 ug/L # | 75 |
| 76) styrene | 13.863 | 104 | 373708 | 49.37 ug/L | 84 |
| 77) bromoform | 13.690 | 173 | 91879 | 43.71 ug/L | 100 |
| 78) trans-1,4-dichloro-2-b... | 14.085 | 53 | 17796 | 43.19 ug/L # | 56 |
| 80) isopropylbenzene | 14.298 | 105 | 515271 | 54.91 ug/L | 91 |
| 82) bromobenzene | 14.588 | 156 | 145054 | 48.66 ug/L # | 69 |
| 83) 1,1,2,2-tetrachloroethane | 13.939 | 83 | 180111 | 44.14 ug/L | 97 |
| 84) 1,2,3-trichloropropane | 14.086 | 75 | 178252 | 44.93 ug/L | 96 |
| 85) n-propylbenzene | 14.743 | 91 | 723297 | 55.09 ug/L | 89 |
| 86) 2-chlorotoluene | 14.864 | 91 | 489942 | 52.97 ug/L | 82 |
| 87) 4-chlorotoluene | 14.938 | 91 | 504318 | 54.24 ug/L | 87 |
| 88) 1,3,5-trimethylbenzene | 15.020 | 105 | 505687 | 56.19 ug/L | 89 |
| 89) tert-butylbenzene | 15.326 | 91 | 315831 | 54.40 ug/L # | 73 |
| 90) 1,2,4-trimethylbenzene | 15.430 | 105 | 524642 | 54.24 ug/L | 89 |
| 91) sec-butylbenzene | 15.548 | 105 | 573944 | 55.54 ug/L | 90 |
| 92) 1,3-dichlorobenzene | 15.653 | 146 | 271709 | 49.62 ug/L | 94 |
| 93) p-isopropyltoluene | 15.720 | 119 | 463953 | 51.59 ug/L | 88 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p16889.D
Acq On : 17 Apr 2007 9:23 pm
Operator : amym
Sample : icv577-50
Misc : ms13376,msp577,,,,5,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Apr 19 12:31:05 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 18 11:35:21 2007
Response via : Initial Calibration

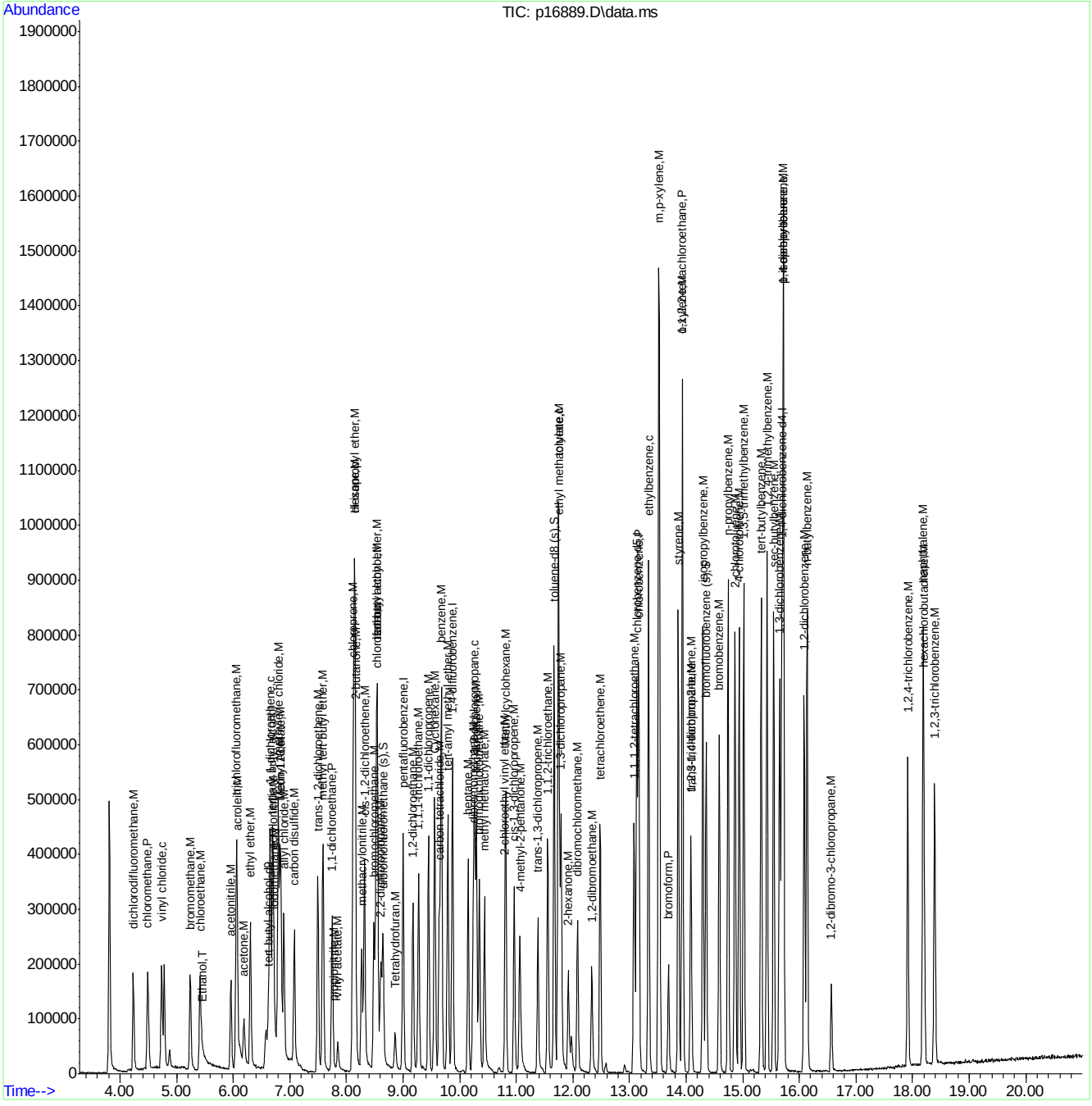
| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 94) 1,4-dichlorobenzene | 15.719 | 146 | 280431 | 47.74 ug/L | 93 |
| 95) 1,2-dichlorobenzene | 16.088 | 146 | 273439 | 51.59 ug/L | 90 |
| 96) n-butylbenzene | 16.138 | 91 | 488310 | 53.32 ug/L | 85 |
| 97) 1,2-dibromo-3-chloropr... | 16.565 | 75 | 44295 | 42.24 ug/L # | 52 |
| 98) 1,2,4-trichlorobenzene | 17.918 | 180 | 174091 | 51.19 ug/L | 99 |
| 99) hexachlorobutadiene | 18.206 | 225 | 61549 | 45.28 ug/L | 83 |
| 100) naphthalene | 18.187 | 128 | 552050 | 53.73 ug/L | 100 |
| 101) 1,2,3-trichlorobenzene | 18.392 | 180 | 167002 | 48.40 ug/L | 97 |

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p16889.D
Acq On : 17 Apr 2007 9:23 pm
Operator : amym
Sample : icv577-50
Misc : ms13376,msp577,,,,5,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Apr 19 12:31:05 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Wed Apr 18 11:35:21 2007
Response via : Initial Calibration










ACCUTEST Laboratories M64162

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani
05/01/07 10:17

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p17197.D
Acq On : 26 Apr 2007 9:41 am
Operator : amym
Sample : cc577-100
Misc : ms13435,msp589,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 27 12:21:54 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Apr 27 11:51:32 2007
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) tert butyl alcohol-d9 | 6.607 | 65 | 128102 | 500.00 | ug/L | 0.02 |
| 3) pentafluorobenzene | 9.001 | 168 | 149711 | 50.00 | ug/L | 0.00 |
| 42) 1,4-difluorobenzene | 9.872 | 114 | 252213 | 50.00 | ug/L | 0.00 |
| 65) chlorobenzene-d5 | 13.125 | 82 | 176921 | 50.00 | ug/L | 0.00 |
| 79) 1,4-dichlorobenzene-d4 | 15.690 | 152 | 132827 | 50.00 | ug/L | 0.00 |

System Monitoring Compounds

| | | | | | | |
|---|---|---|---|---|---|---|
| 39) dibromofluoromethane (s) | 8.647 | 113 | 87598 | 51.10 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 85 - 129 | | Recovery = 102.20% | | | |
| 59) toluene-d8 (s) | 11.670 | 98 | 321421 | 50.45 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 100.90% | | | |
| 81) bromofluorobenzene (s) | 14.354 | 95 | 161969 | 50.13 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 119 | | Recovery = 100.26% | | | |

Target Compounds

| | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 2) tertiary butyl alcohol | 6.681 | 59 | 384493 | 908.21 | ug/L # | 84 |
| 4) Ethanol | 5.533 | 45 | 605715 | 13202.84 | ug/L # | 100 |
| 5) dichlorodifluoromethane | 4.240 | 85 | 197546 | 82.47 | ug/L | 95 |
| 6) chloromethane | 4.494 | 50 | 267979 | 91.97 | ug/L | 96 |
| 7) vinyl chloride | 4.741 | 62 | 231246 | 99.46 | ug/L | 99 |
| 8) bromomethane | 5.243 | 96 | 113912 | 83.68 | ug/L | 88 |
| 9) chloroethane | 5.411 | 64 | 132050 | 95.61 | ug/L | 90 |
| 10) ethyl ether | 6.307 | 59 | 211935 | 110.74 | ug/L | 72 |
| 11) acetonitrile | 5.958 | 41 | 163563 | 183.58 | ug/L | 95 |
| 12) trichlorofluoromethane | 6.064 | 101 | 283323 | 101.35 | ug/L | 97 |
| 13) freon-113 | 6.838 | 101 | 127015 | 92.22 | ug/L | 76 |
| 14) acrolein | 6.065 | 56 | 388667 | 622.54 | ug/L | 99 |
| 15) 1,1-dichloroethene | 6.652 | 96 | 159933 | 105.82 | ug/L # | 40 |
| 16) acetone | 6.200 | 43 | 141031m | 133.87 | ug/L | |
| 17) Methyl Acetate | 6.834 | 43 | 366655 | 115.53 | ug/L # | 78 |
| 18) methylene chloride | 6.800 | 84 | 188531 | 103.66 | ug/L # | 26 |
| 19) methyl tert butyl ether | 7.585 | 73 | 595289 | 128.97 | ug/L | 83 |
| 20) acrylonitrile | 6.707 | 53 | 666926 | 602.54 | ug/L | 100 |
| 21) allyl chloride | 6.894 | 41 | 263467 | 110.11 | ug/L | 65 |
| 22) trans-1,2-dichloroethene | 7.495 | 96 | 170845 | 100.65 | ug/L # | 57 |
| 23) iodomethane | 6.716 | 142 | 67589 | 111.23 | ug/L | 52 |
| 24) carbon disulfide | 7.080 | 76 | 478840 | 98.24 | ug/L | 100 |
| 25) propionitrile | 7.774 | 54 | 52010 | 125.95 | ug/L | 100 |
| 26) vinyl acetate | 7.852 | 43 | 57992 | 57.22 | ug/L | 89 |
| 27) chloroprene | 8.113 | 53 | 394550 | 125.45 | ug/L | 65 |
| 28) di-isopropyl ether | 8.149 | 45 | 937653 | 110.43 | ug/L | 82 |
| 29) methacrylonitrile | 8.270 | 41 | 221573 | 119.89 | ug/L # | 68 |
| 30) 2-butanone | 8.162 | 72 | 30091 | 120.27 | ug/L # | 1 |
| 31) Hexane | 8.138 | 41 | 343168 | 98.82 | ug/L # | 78 |
| 32) 1,1-dichloroethane | 7.748 | 63 | 382122 | 100.61 | ug/L | 95 |
| 33) tert-butyl ethyl ether | 8.545 | 59 | 593109 | 91.88 | ug/L | 85 |
| 34) isobutyl alcohol | 8.541 | 43 | 82107 | 492.18 | ug/L # | 23 |
| 35) 2,2-dichloropropane | 8.606 | 77 | 144196 | 96.37 | ug/L | 89 |
| 36) cis-1,2-dichloroethene | 8.320 | 96 | 191513 | 98.24 | ug/L # | 62 |
| 37) bromochloromethane | 8.485 | 128 | 78855 | 102.33 | ug/L # | 12 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p17197.D
Acq On : 26 Apr 2007 9:41 am
Operator : amym
Sample : cc577-100
Misc : ms13435,msp589,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 27 12:21:54 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Apr 27 11:51:32 2007
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 38) chloroform | 8.524 | 83 | 386543 | 102.97 ug/L | 89 |
| 40) Tetrahydrofuran | 8.859 | 42 | 106462 | 121.27 ug/L | 63 |
| 41) 1,1,1-trichloroethane | 9.274 | 97 | 357329 | 128.53 ug/L | 87 |
| 43) Cyclohexane | 9.558 | 56 | 317792 | 91.42 ug/L # | 64 |
| 44) carbon tetrachloride | 9.639 | 117 | 275613 | 114.86 ug/L | 94 |
| 45) 1,1-dichloropropene | 9.449 | 75 | 262179 | 108.90 ug/L | 92 |
| 46) benzene | 9.675 | 78 | 704320 | 97.54 ug/L | 95 |
| 47) 1,2-dichloroethane | 9.176 | 62 | 446191 | 111.03 ug/L | 87 |
| 48) tert-amyl methyl ether | 9.791 | 73 | 440012 | 98.28 ug/L | 77 |
| 49) heptane | 10.149 | 43 | 248545 | 101.01 ug/L # | 67 |
| 50) trichloroethene | 10.294 | 95 | 215016 | 105.21 ug/L # | 72 |
| 51) 1,2-dichloropropane | 10.260 | 63 | 212757 | 100.96 ug/L | 93 |
| 52) dibromomethane | 10.235 | 93 | 129905 | 102.70 ug/L # | 71 |
| 53) bromodichloromethane | 10.346 | 83 | 329854 | 117.25 ug/L | 97 |
| 54) Methylcyclohexane | 10.811 | 83 | 200674 | 90.89 ug/L # | 55 |
| 56) methyl methacrylate | 10.438 | 69 | 134551 | 97.48 ug/L # | 30 |
| 57) 1,4-dioxane | 10.475 | 88 | 17715 | 629.92 ug/L # | 54 |
| 58) cis-1,3-dichloropropene | 10.964 | 75 | 252342 | 93.81 ug/L | 85 |
| 60) 4-methyl-2-pentanone | 11.061 | 43 | 384280 | 120.74 ug/L | 83 |
| 61) toluene | 11.742 | 92 | 459724 | 100.18 ug/L | 100 |
| 62) trans-1,3-dichloropropene | 11.382 | 75 | 225606 | 88.16 ug/L | 86 |
| 63) 1,1,2-trichloroethane | 11.555 | 83 | 160346 | 102.47 ug/L | 95 |
| 64) ethyl methacrylate | 11.757 | 69 | 227896 | 96.22 ug/L # | 47 |
| 66) tetrachloroethene | 12.482 | 166 | 171236 | 93.03 ug/L | 92 |
| 67) 1,3-dichloropropane | 11.790 | 76 | 338917 | 91.21 ug/L | 95 |
| 68) dibromochloromethane | 12.082 | 129 | 222286 | 108.32 ug/L | 100 |
| 69) 1,2-dibromoethane | 12.335 | 107 | 197625 | 94.40 ug/L | 97 |
| 70) 2-hexanone | 11.916 | 43 | 280799 | 98.44 ug/L | 81 |
| 71) chlorobenzene | 13.163 | 112 | 480062 | 87.86 ug/L | 86 |
| 72) 1,1,1,2-tetrachloroethane | 13.081 | 131 | 193481 | 105.18 ug/L | 93 |
| 73) ethylbenzene | 13.337 | 91 | 950135 | 101.64 ug/L | 90 |
| 74) m,p-xylene | 13.521 | 106 | 643722 | 202.36 ug/L # | 68 |
| 75) o-xylene | 13.935 | 106 | 314795 | 101.54 ug/L # | 67 |
| 76) styrene | 13.862 | 104 | 532869 | 94.99 ug/L | 69 |
| 77) bromoform | 13.687 | 173 | 158767 | 98.00 ug/L | 97 |
| 78) trans-1,4-dichloro-2-b... | 14.082 | 53 | 30684 | 70.51 ug/L # | 59 |
| 80) isopropylbenzene | 14.296 | 105 | 731938 | 106.40 ug/L | 90 |
| 82) bromobenzene | 14.586 | 156 | 208572 | 95.44 ug/L # | 66 |
| 83) 1,1,2,2-tetrachloroethane | 13.936 | 83 | 284583 | 95.14 ug/L | 97 |
| 84) 1,2,3-trichloropropane | 14.084 | 75 | 278050 | 95.61 ug/L | 98 |
| 85) n-propylbenzene | 14.742 | 91 | 1044606 | 108.54 ug/L | 88 |
| 86) 2-chlorotoluene | 14.862 | 91 | 691615 | 102.00 ug/L | 83 |
| 87) 4-chlorotoluene | 14.937 | 91 | 719971 | 105.62 ug/L | 84 |
| 88) 1,3,5-trimethylbenzene | 15.019 | 105 | 733577 | 111.19 ug/L | 86 |
| 89) tert-butylbenzene | 15.325 | 91 | 474210 | 111.43 ug/L # | 70 |
| 90) 1,2,4-trimethylbenzene | 15.429 | 105 | 771060 | 108.75 ug/L | 88 |
| 91) sec-butylbenzene | 15.547 | 105 | 835659 | 110.32 ug/L | 92 |
| 92) 1,3-dichlorobenzene | 15.651 | 146 | 391772 | 97.60 ug/L | 94 |
| 93) p-isopropyltoluene | 15.718 | 119 | 690332 | 104.71 ug/L | 87 |
| 94) 1,4-dichlorobenzene | 15.718 | 146 | 398853 | 92.62 ug/L | 94 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p17197.D
Acq On : 26 Apr 2007 9:41 am
Operator : amym
Sample : cc577-100
Misc : ms13435,msp589,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 27 12:21:54 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Apr 27 11:51:32 2007
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 95) 1,2-dichlorobenzene | 16.086 | 146 | 390679 | 100.54 ug/L | 94 |
| 96) n-butylbenzene | 16.136 | 91 | 749076 | 111.57 ug/L | 85 |
| 97) 1,2-dibromo-3-chloropr... | 16.563 | 75 | 82572 | 107.42 ug/L # | 47 |
| 98) 1,2,4-trichlorobenzene | 17.915 | 180 | 274851 | 110.24 ug/L | 95 |
| 99) hexachlorobutadiene | 18.203 | 225 | 106464 | 106.85 ug/L | 79 |
| 100) naphthalene | 18.184 | 128 | 822263 | 109.17 ug/L | 100 |
| 101) 1,2,3-trichlorobenzene | 18.390 | 180 | 262751 | 103.89 ug/L | 99 |

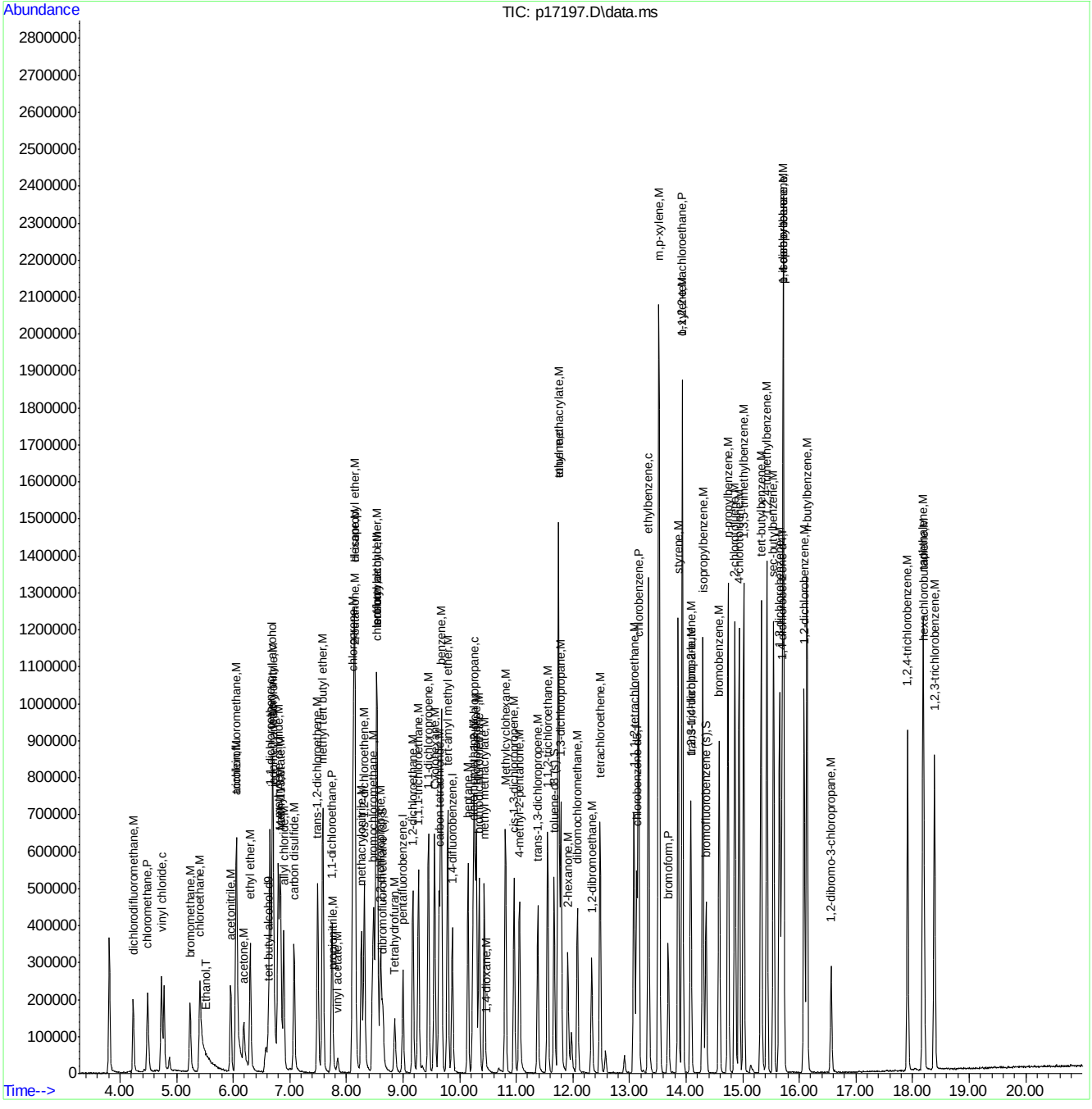
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : p17197.D
Acq On : 26 Apr 2007 9:41 am
Operator : amym
Sample : cc577-100
Misc : ms13435,msp589,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 27 12:21:54 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Apr 27 11:51:32 2007
Response via : Initial Calibration







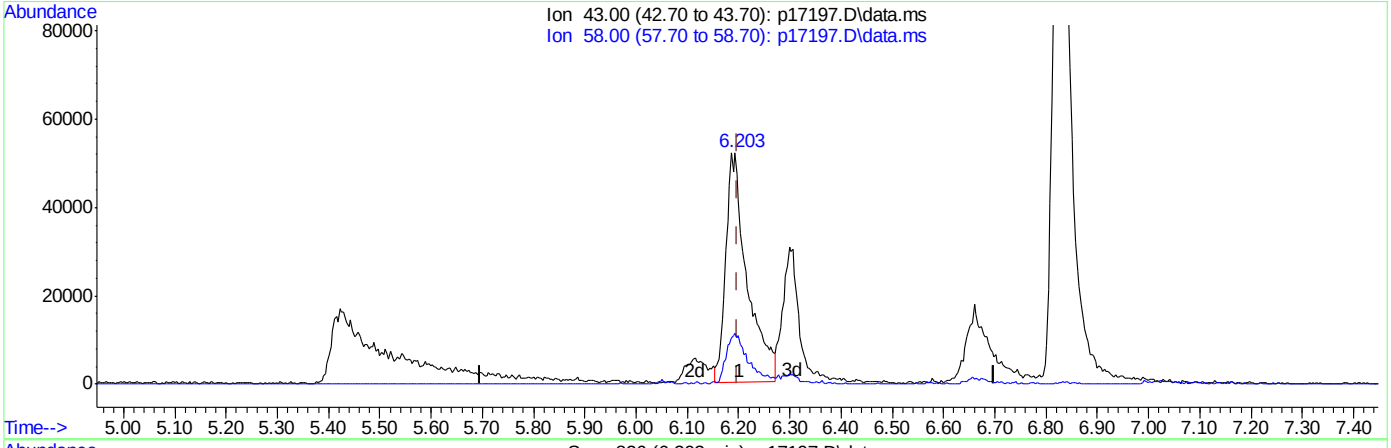

ACCUTEST Laboratories
M64162

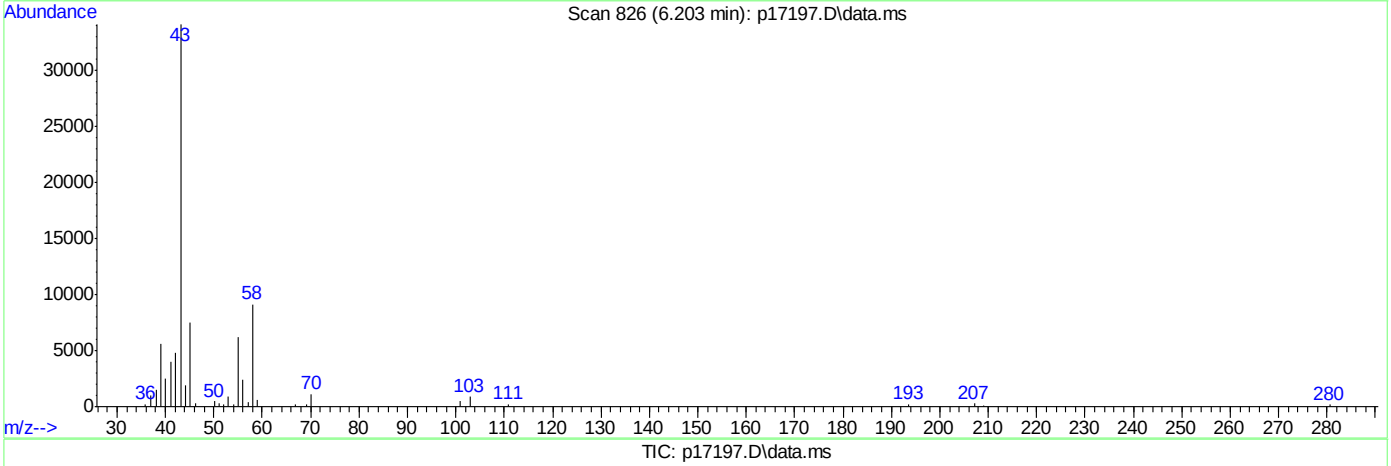
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : p17197.D
Acq On : 26 Apr 2007 9:41 am
Operator : amym
Sample : cc577-100
Misc : ms13435,msp589,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 27 12:20:54 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Apr 27 11:51:32 2007
Response via : Initial Calibration






TIC: p17197.D\data.ms

(16) acetone (M)

6.203min (+0.005) 141.08ug/L

response 150143

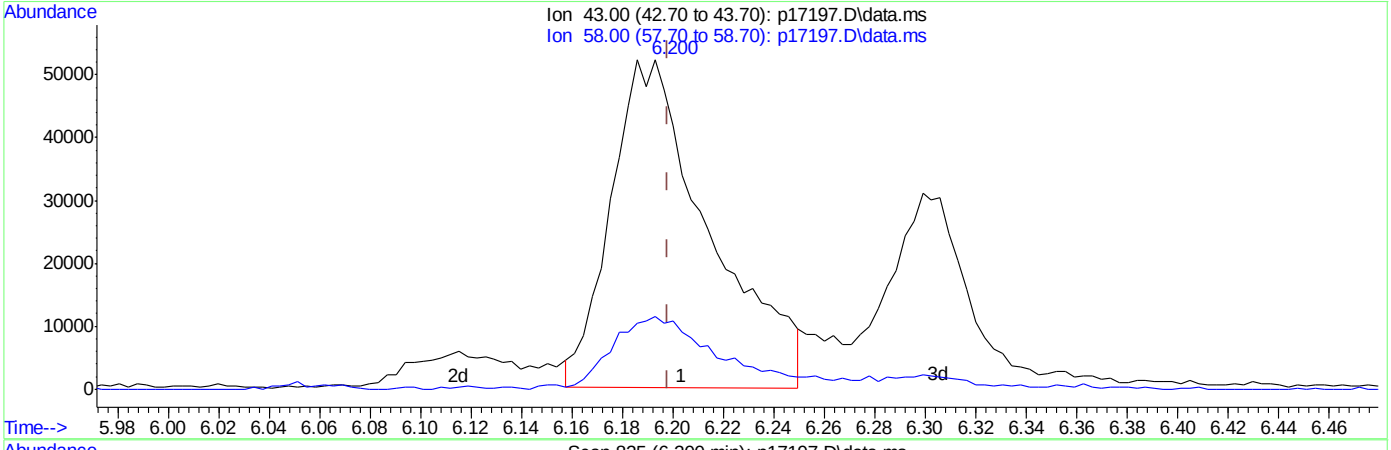
| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 58.00 | 32.40 | 27.80 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

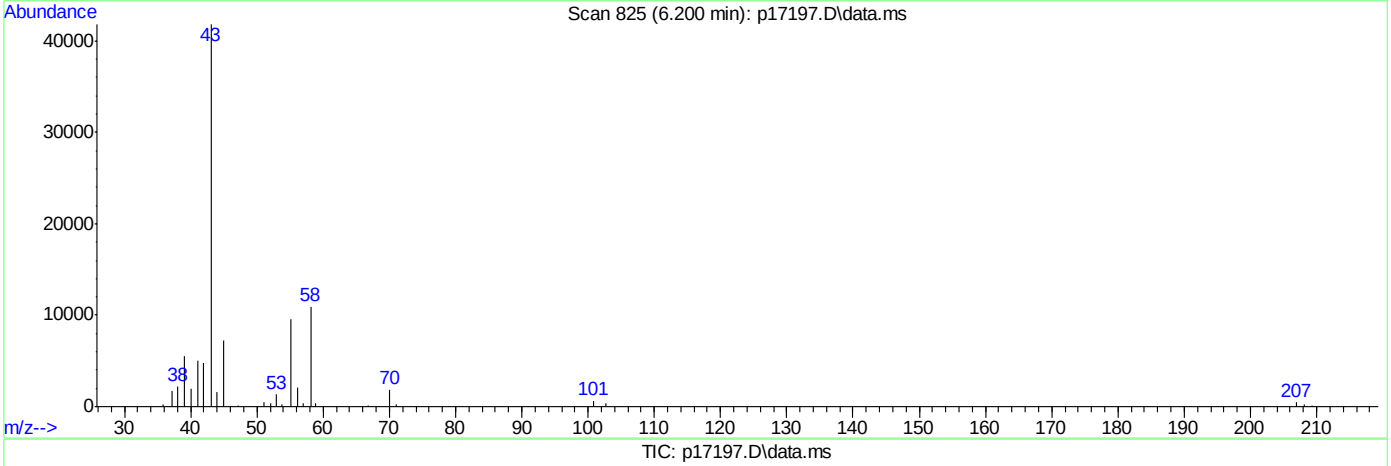
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : p17197.D
Acq On : 26 Apr 2007 9:41 am
Operator : amym
Sample : cc577-100
Misc : ms13435,msp589,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 27 12:20:54 2007
Quant Method : C:\msdchem\1\METHODS\P041707w.M
Quant Title : SW-846 Method 8260
QLast Update : Fri Apr 27 11:51:32 2007
Response via : Initial Calibration






TIC: p17197.D\data.ms

(16) acetone (M)

6.200min (+0.002) 133.87ug/L m

response 141031

| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 58.00 | 32.40 | 26.13 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

| Standard Lot # | |
|---|---|
| Calib STD | MS6067 |
| ICV | MS6035 |
| Inter/Surr STD | MS6055 |
| BS/BSD | NA |
| MeOH | NA |
| Soil Surrogate | NA |
| Na2S2O3 | NA |
| | |
| | |
| | |

| File ID | |
|---|---|
| Tune File 1 | G69169 |
| Tune File 2 | NA |
| Initial Cal. | 04/25/07 |
| ID FILE | G042507.M |
| Instrument ID | G |
| ICAL: | G69179 |
| Column Type: | BDRVX |
| Sequence Verified By: | KT |
| | |
| | |

| | |
|---|---|
| Date: | 4/25/2007 |
| Analyst: | KIMT |
| Batch ID: | MSG2782 |
| Matrix: | AQ |
| Approved By: | DOUGY |
| Date Approved: | 4/27/2007 1:58:42 PM |

| Data File | Sample ID | Bot # | Work Group # | Test | ALS # | Purge Vol (ml) | Vol | CI | Diln Factor | | Comment |
|---|---|---|---|---|---|---|---|---|---|---|---|
| G69167 | BLANK | | | | 1 | 5 | NA | NA | 1 | <2 | |
| G69168 | BLANK | | | | 2 | 5 | NA | NA | 1 | <2 | |
| G69169 | BLANK | | | | 3 | 5 | NA | NA | 1 | <2 | |
| G69170 | IC2782-0.5 | 2 | MS6067 | V8260STD | 4 | 5 | NA | NA | 1 | <2 | |
| G69171 | IC2782-1.0 | 2 | MS6067 | V8260STD | 5 | 5 | NA | NA | 1 | <2 | |
| G69172 | IC2782-2.0 | 2 | MS6067 | V8260STD | 6 | 5 | NA | NA | 1 | <2 | |
| G69173 | IC2782-5.0 | 2 | MS6067 | V8260STD | 7 | 5 | NA | NA | 1 | <2 | |
| G69174 | IC2782-25.0 | 2 | MS6067 | V8260STD | 8 | 5 | NA | NA | 1 | <2 | |
| G69175 | IC2782-400.0 | 2 | MS6067 | V8260STD | 9 | 5 | NA | NA | 1 | <2 | |
| G69176 | IC2782-200.0 | 2 | MS6067 | V8260STD | 10 | 5 | NA | NA | 1 | <2 | |
| G69177 | ICC2782-100.0 | 2 | MS6067 | V8260STD | 11 | 5 | NA | NA | 1 | <2 | |
| G69178 | IC2782-50.0 | 2 | MS6067 | V8260STD | 12 | 5 | NA | NA | 1 | <2 | |
| G69179 | ICV2782-50.0 | 2 | MS6035 | V8260STD | 13 | 5 | NA | NA | 1 | <2 | |

| Standard Lot # | |
|---|---|
| Calib STD | MS6067 |
| ICV | NA |
| Inter/Surr.STD | MS6055 |
| BS/BSD | MS6035 |
| MeOH | NA |
| Soil Surrogate | NA |
| Na2S2O3 | NA |
| | |
| | |
| | |

| File ID | |
|---|---|
| Tune File 1 | G69215 |
| Tune File 2 | NA |
| Initial Cal. | 04/25/07 |
| ID FILE | G042507W.M |
| Instrument ID | G |
| ICAL: | KT |
| Column Type: | DB-RVX |
| Sequence Verified By: | KT |
| | |
| | |

| | |
|---|---|
| Date: | 4/27/2007 |
| Analyst: | KIMT |
| Batch ID: | MSG2784 |
| Matrix: | AQ |
| Approved By: | DOUGY |
| Date Approved: | 4/30/2007 4:18:04 PM |

| Data File | Sample ID | Bot # | Work Group # | Test | ALS # | Purge Vol (ml) | Vol | CI | Diln Factor | | Comment |
|---|---|---|---|---|---|---|---|---|---|---|---|
| G69215 | CC2782-100 | 2 | MS6067 | | 1 | 5 | NA | NA | 1 | <2 | |
| G69216 | BS | 2 | MS6035 | | 2 | 5 | NA | NA | 1 | <2 | |
| G69217 | BSD | 2 | MS6035 | | 3 | 5 | NA | NA | 1 | <2 | |
| G69218 | BLK | | | | 4 | 5 | NA | NA | 1 | <2 | |
| G69219 | MB | | | | 5 | 5 | NA | NA | 1 | <2 | |
| G69220 | M64249-1 | 3 | MS13447 | V8260MCP | 6 | 5 | NA | NA | 1 | <2 | |
| G69221 | M64249-2 | 2 | MS13447 | V8260MCP | 7 | 5 | NA | NA | 1 | <2 | |
| G69222 | M64249-3 | 3 | MS13447 | V8260MCP | 8 | 5 | NA | NA | 1 | <2 | |
| G69223 | M64249-4 | 3 | MS13447 | V8260MCP | 9 | 5 | NA | NA | 1 | <2 | |
| G69224 | M64249-5 | 2 | MS13447 | V8260MCP | 10 | 5 | NA | NA | 1 | <2 | |
| G69225 | M64101-20 | 2 | MS13436 | V8260RCP | 11 | 5 | NA | NA | 10 | <2 | |
| G69226 | M64101-21 | 2 | MS13436 | V8260RCP | 12 | 5 | NA | NA | 10 | <2 | |
| G69227 | M64101-22 | 2 | MS13436 | V8260RCP | 13 | 5 | NA | NA | 20 | <2 | |
| G69228 | M64162-16 | 1 | MS13447 | V8260MCP | 1 | 5 | NA | NA | 5 | <2 | Over diluted, Rerun 1:1 |
| G69229 | M64162-11 | 1 | MS13447 | V8260MCP | 2 | 5 | NA | NA | 50 | <2 | Over diluted, Rerun 1:25 |
| G69230 | M64162-16 | 1 | MS13447 | V8260MCP | 1 | 5 | NA | NA | 1 | <2 | OK |
| G69231 | M64162-16MS | 1 | MS13447 | V8260MCP | 2 | 5 | NA | NA | 1 | <2 | |
| G69232 | M64162-16MSD | 1 | MS13447 | V8260MCP | 3 | 5 | NA | NA | 1 | <2 | |
| G69233 | M64143-4 | 1 | MS13447 | V8260NHF | 4 | 5 | NA | NA | 20 | <2 | |
| G69234 | M64143-3 | 1 | MS13447 | V8260NHF | 5 | 5 | NA | NA | 10 | <2 | Over diluted, Rerun 1:5 |
| G69235 | M64143-1 | 1 | MS13447 | V8260NHF | 6 | 5 | NA | NA | 1 | <2 | |
| G69236 | M64162-5 | 1 | MS13447 | V8260MCP | 7 | 5 | NA | NA | 1 | <2 | |
| G69237 | M64162-8 | 1 | MS13447 | V8260MCP | 8 | 5 | NA | NA | 1 | <2 | |
| G69238 | M64162-9 | 1 | MS13447 | V8260MCP | 9 | 5 | NA | NA | 1 | <2 | |
| G69239 | M64162-10 | 1 | MS13447 | V8260MCP | 10 | 5 | NA | NA | 1 | <2 | |
| G69240 | M64162-12 | 1 | MS13447 | V8260MCP | 11 | 5 | NA | NA | 1 | <2 | |
| G69241 | BLK | 1 | MS13447 | | 12 | 5 | NA | NA | 1 | <2 | |
| G69242 | M64143-9 | 1 | | SCREEN | 13 | 5 | NA | NA | 50 | <2 | Screen only. |
| G69243 | M64162-20 | 1 | | SCREEN | 14 | 5 | NA | NA | 50 | <2 | Screen only. |
| G69244 | M64162-21 | 1 | | SCREEN | 15 | 5 | NA | NA | 50 | <2 | Screen only. |
| G69245 | M64162-22 | 1 | | SCREEN | 16 | 5 | NA | NA | 50 | <2 | Screen only. |
| G69246 | M64162-24 | 1 | | SCREEN | 17 | 5 | NA | NA | 50 | <2 | Screen only. |
| G69247 | M64162-26 | 1 | | SCREEN | 18 | 5 | NA | NA | 50 | <2 | Screen only. |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| G69248 | M64162-27 | 1 | | SCREEN | 19 | 5 | NA | NA | 50 | <2 | Screen only. |
| G69249 | M64162-29 | 1 | | SCREEN | 20 | 5 | NA | NA | 50 | <2 | Screen only. |
| G69250 | M64126-13 | 1 | | SCREEN | 21 | 5 | NA | NA | 50 | <2 | Screen only. |
| G69251 | M64126-14 | 1 | | SCREEN | 22 | 5 | NA | NA | 50 | <2 | Screen only. |
| G69252 | M64126-16 | 11 | | SCREEN | 23 | 5 | NA | NA | 50 | <2 | Screen only. |
| G69253 | M64233-3 | 2 | | SCREEN | 24 | 5 | NA | NA | 50 | <2 | Screen only. |
| G69254 | M64178-1 | 1 | | SCREEN | 25 | 5 | NA | NA | 50 | <2 | Screen only. |
| G69255 | M64178-2 | 1 | | SCREEN | 26 | 5 | NA | NA | 50 | <2 | Screen only. |
| G69256 | M64178-3 | 1 | | SCREEN | 27 | 5 | NA | NA | 50 | <2 | Screen only. |
| G69257 | M64178-4 | 1 | | SCREEN | 28 | 5 | NA | NA | 50 | <2 | Screen only. |
| G69258 | M64178-5 | 1 | | SCREEN | 29 | 5 | NA | NA | 50 | <2 | Screen only. |
| G69259 | M64178-6 | 1 | | SCREEN | 30 | 5 | NA | NA | 50 | <2 | Screen only. |
| G69260 | M64178-7 | 1 | | SCREEN | 31 | 5 | NA | NA | 50 | <2 | Screen only. |
| G69261 | M64178-8 | 1 | | SCREEN | 32 | 5 | NA | NA | 50 | <2 | Screen only. |
| G69262 | M64178-9 | 1 | | SCREEN | 33 | 5 | NA | NA | 50 | <2 | Screen only. |
| G69263 | M64178-10 | 1 | | SCREEN | 34 | 5 | NA | NA | 50 | <2 | Screen only. |
| G69264 | M64178-11 | 1 | | SCREEN | 35 | 5 | NA | NA | 50 | <2 | Screen only. |
| G69265 | M64178-12 | 1 | | SCREEN | 36 | 5 | NA | NA | 50 | <2 | Screen only. |
| G69266 | M64178-13 | 1 | | SCREEN | 37 | 5 | NA | NA | 50 | <2 | Screen only. |
| G69267 | M64178-14 | 1 | | SCREEN | 38 | 5 | NA | NA | 50 | <2 | Screen only. |
| G69268 | M64178-15 | 1 | | SCREEN | 39 | 5 | NA | NA | 50 | <2 | Screen only. |
| G69269 | M64178-16 | 1 | | SCREEN | 40 | 5 | NA | NA | 50 | <2 | Screen only. |
| G69270 | M64178-23 | 1 | | SCREEN | 41 | 5 | NA | NA | 50 | <2 | Screen only. |
| G69271 | M64178-24 | 1 | | SCREEN | 42 | 5 | NA | NA | 50 | <2 | Screen only. |
| G69272 | M64178-25 | 1 | | SCREEN | 43 | 5 | NA | NA | 50 | <2 | Screen only. |
| G69273 | M64178-28 | 1 | | SCREEN | 44 | 5 | NA | NA | 50 | <2 | Screen only. |
| G69274 | M64178-29 | 1 | | SCREEN | 45 | 5 | NA | NA | 50 | <2 | Screen only. |
| G69275 | M64178-30 | 1 | | SCREEN | 46 | 5 | NA | NA | 50 | <2 | Screen only. |
| G69276 | M64178-31 | 1 | | SCREEN | 47 | 5 | NA | NA | 50 | <2 | Screen only. |
| G69277 | M64178-32 | 1 | | SCREEN | 48 | 5 | NA | NA | 50 | <2 | Screen only. |
| G69278 | BLK | | | SCREEN | 49 | 5 | NA | NA | 1 | <2 | Screen only. |
| G69279 | BLK | | | SCREEN | 50 | 5 | NA | NA | 1 | <2 | Screen only. |

| Standard Lot # | |
|---|---|
| Calib STD | MS6067 |
| ICV | NA |
| Inter/Surr STD | MS6055 |
| BS/BSD | MS6035 |
| MeOH | NA |
| Soil Surrogate | NA |
| Na2S2O3 | NA |
| | |
| | |
| | |

| File ID | |
|---|---|
| Tune File 1 | G69286 |
| Tune File 2 | NA |
| Initial Cal. | 04/25/07 |
| ID FILE | G042507W.M |
| Instrument ID | G |
| ICAL: | KT |
| Column Type: | DB-RVX |
| Sequence Verified By: | KT |
| | |
| | |

| | |
|---|---|
| Date: | 4/30/2007 |
| Analyst: | KIMT |
| Batch ID: | MSG2785 |
| Matrix: | AQ |
| Approved By: | PHILIPB |
| Date Approved: | 5/1/2007 2:33:20 PM |

| Data File | Sample ID | Bot # | Work Group # | Test | ALS # | Purge Vol (ml) | Vol | CI | Diln Factor | | Comment |
|---|---|---|---|---|---|---|---|---|---|---|---|
| G69286 | CC2782-100 | 2 | MS6067 | | 1 | 5 | NA | NA | 1 | <2 | |
| G69287 | BS | 2 | MS6035 | | 2 | 5 | NA | NA | 1 | <2 | 1,4-DIOXANE LOW |
| G69288 | BS | 2 | MS6035 | | 3 | 5 | NA | NA | 1 | <2 | OK |
| G69289 | BSD | 2 | MS6035 | | 4 | 5 | NA | NA | 1 | <2 | OK |
| G69290 | BLK | | | | 5 | 5 | NA | NA | 1 | <2 | |
| G69291 | MB | | | | 6 | 5 | NA | NA | 1 | <2 | |
| G69292 | M64162-26 | 2 | MS13464 | V8260MCP | 1 | 5 | NA | NA | 500 | <2 | |
| G69293 | M64162-20 | 2 | MS13464 | V8260MCP | 2 | 5 | NA | NA | 50 | <2 | Over diluted, Rerun 1:10 |
| G69294 | M64162-27 | 2 | MS13464 | V8260MCP | 3 | 5 | NA | NA | 25 | <2 | |
| G69295 | M64162-20 | 2 | MS13464 | V8260MCP | 4 | 5 | NA | NA | 10 | <2 | |
| G69296 | M64162-22 | 2 | MS13464 | V8260MCP | 5 | 5 | NA | NA | 2 | <2 | |
| G69297 | M64162-24 | 2 | MS13464 | V8260MCP | 6 | 5 | NA | NA | 2 | <2 | |
| G69298 | M64162-21 | 2 | MS13464 | V8260MCP | 7 | 5 | NA | NA | 1 | <2 | |
| G69299 | M64162-29 | 2 | MS13464 | V8260MCP | 8 | 5 | NA | NA | 1 | <2 | Overcal, Rerun 1:10 |
| G69300 | M64162-11 | 2 | MS13447 | V8260MCP | 1 | 5 | NA | NA | 25 | <2 | |
| G69301 | M64162-29 | 2 | MS13464 | V8260MCP | 2 | 5 | NA | NA | 10 | <2 | |
| G69302 | M64143-3 | 2 | MS13447 | V8269NHF | 3 | 5 | NA | NA | 5 | <2 | |
| G69303 | M64143-3MS | 2 | MS13447 | V8269NHF | 4 | 5 | NA | NA | 5 | <2 | |
| G69304 | M64143-3MSD | 2 | MS13447 | V8269NHF | 5 | 5 | NA | NA | 5 | <2 | |
| G69305 | M64219-9 | 1 | MS13464 | V8260STD | 6 | 5 | NA | NA | 5 | <2 | Overcal, Rerun 1:25 |
| G69306 | M64219-10 | 1 | MS13464 | V8260STD | 7 | 5 | NA | NA | 5 | <2 | Over diluted, Rerun 1:1 |
| G69307 | M64219-5 | 1 | MS13464 | V8260STD | 8 | 5 | NA | NA | 1 | <2 | |
| G69308 | M64219-7 | 1 | MS13464 | V8260STD | 9 | 5 | NA | NA | 1 | <2 | |
| G69309 | M64219-11 | 1 | MS13464 | V8260STD | 10 | 5 | NA | NA | 1 | <2 | |
| G69310 | M64219-12 | 1 | MS13464 | V8260STD | 11 | 5 | NA | NA | 1 | <2 | |
| G69311 | M64219-13 | 1 | MS13464 | V8260STD | 12 | 5 | NA | NA | 1 | <2 | |
| G69312 | M64219-14 | 1 | MS13464 | V8260STD | 13 | 5 | NA | NA | 1 | <2 | Do not report. |
| G69313 | M64311-1 | 1 | | SCREEN | 14 | 5 | NA | NA | 1 | <2 | Screen only. |
| G69314 | M64311-2 | 1 | | SCREEN | 15 | 5 | NA | NA | 1 | <2 | Screen only. |
| G69315 | M64311-3 | 1 | | SCREEN | 16 | 5 | NA | NA | 1 | <2 | Screen only. |
| G69316 | M64311-4 | 1 | | SCREEN | 17 | 5 | NA | NA | 1 | <2 | Screen only. |
| G69317 | M64311-5 | 1 | | SCREEN | 18 | 5 | NA | NA | 1 | <2 | Screen only. |
| G69318 | M64311-6 | 1 | | SCREEN | 19 | 5 | NA | NA | 1 | <2 | Screen only. |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| G69319 | M64416-3 | 1 | | SCREEN | 20 | 5 | NA | NA | 1 | <2 | Screen only. |
| G69320 | M64307-1 | 1 | | SCREEN | 21 | 5 | NA | NA | 1 | <2 | Screen only. |
| G69321 | M64307-2 | 1 | | SCREEN | 22 | 5 | NA | NA | 1 | <2 | Screen only. |
| G69322 | M64307-3 | 1 | | SCREEN | 23 | 5 | NA | NA | 1 | <2 | Screen only. |
| G69323 | M64307-4 | 1 | | SCREEN | 24 | 5 | NA | NA | 1 | <2 | Screen only. |
| G69324 | M64307-5 | 1 | | SCREEN | 25 | 5 | NA | NA | 1 | <2 | Screen only. |
| G69325 | M64307-6 | 1 | | SCREEN | 26 | 5 | NA | NA | 1 | <2 | Screen only. |
| G69326 | M64312-2 | 1 | | SCREEN | 27 | 5 | NA | NA | 1 | <2 | Screen only. |
| G69327 | M64312-3 | 1 | | SCREEN | 28 | 5 | NA | NA | 1 | <2 | Screen only. |
| G69328 | M64312-4 | 1 | | SCREEN | 29 | 5 | NA | NA | 1 | <2 | Screen only. |
| G69329 | M64312-6 | 1 | | SCREEN | 30 | 5 | NA | NA | 1 | <2 | Screen only. |
| G69330 | BLK | | | SCREEN | 31 | 5 | NA | NA | 1 | <2 | |
| G69331 | BLK | | | SCREEN | 32 | 5 | NA | NA | 1 | <2 | |

| Standard Lot # | |
|---|---|
| Calib STD | MS6067 |
| ICV | MS6035 |
| Inter/Surr STD | MS6061 |
| BS/BSD | MS6035 |
| MeOH | NA |
| Soil Surrogate | NA |
| Na2S2O3 | NA |
| | |
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| File ID | |
|---|---|
| Tune File 1 | N18731 |
| Tune File 2 | NA |
| Initial Cal. | 042007 |
| ID FILE | N042007.7 |
| Instrument ID | N |
| ICAL: | N18741 |
| Column Type: | DB-VRX |
| Sequence Verified By: | AT |
| | |
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| | |
|---|---|
| Date: | 4/20/2007 |
| Analyst: | ALIT |
| Batch ID: | MSN678 |
| Matrix: | AQ |
| Approved By: | DOUGY |
| Date Approved: | 4/30/2007 3:12:17 PM |

| Data File | Sample ID | Bot # | Work Group # | Test | ALS # | Purge Vol (ml) | Vol | CI | Diln Factor | PH | Comment |
|---|---|---|---|---|---|---|---|---|---|---|---|
| N18731 | RB | na | MS13406 | V8260RCP | 15 | 5 | NA | NA | 1 | <2 | |
| N18732 | ICC678-100 | na | MS13406 | V8260RCP | 16 | 5 | NA | NA | 1 | <2 | |
| N18733 | IC678-400 | na | MS13406 | V8260RCP | 17 | 5 | NA | NA | 1 | <2 | |
| N18734 | IC678-200 | na | MS13406 | V8260RCP | 18 | 5 | NA | NA | 1 | <2 | |
| N18735 | IC678-50 | na | MS13406 | V8260RCP | 19 | 5 | NA | NA | 1 | <2 | |
| N18736 | IC678-25 | na | MS13406 | V8260RCP | 20 | 5 | NA | NA | 1 | <2 | |
| N18737 | IC678-5 | na | MS13406 | V8260RCP | 21 | 5 | NA | NA | 1 | <2 | |
| N18738 | IC678-2 | na | MS13406 | V8260RCP | 22 | 5 | NA | NA | 1 | <2 | |
| N18739 | IC678-1 | na | MS13406 | V8260RCP | 23 | 5 | NA | NA | 1 | <2 | |
| N18740 | IC678-0.5 | na | MS13406 | V8260RCP | 24 | 5 | NA | NA | 1 | <2 | |
| N18741 | ICV678-50 | na | MS13406 | V8260RCP | 25 | 5 | NA | NA | 1 | <2 | |
| N18742 | RB | na | MS13406 | V8260RCP | 26 | 5 | NA | NA | 1 | <2 | |
| N18743 | MB | na | MS13406 | V8260RCP | 27 | 5 | NA | NA | 1 | <2 | |
| N18744 | M64042-1 | 1 | MS13406 | V8260RCP | 28 | 5 | NA | NA | 1 | <2 | |
| N18745 | M64029-7 | 7 | MS13406 | V8260RCP | 29 | 5 | NA | NA | 1 | <2 | |
| N18746 | M64029-7MS | 2 | MS13406 | V8260RCP | 30 | 5 | NA | NA | 5 | <2 | |
| N18747 | M64029-7MSD | 2 | MS13406 | V8260RCP | 31 | 5 | NA | NA | 5 | <2 | |
| N18748 | M64042-2 | 1 | MS13406 | V8260RCP | 32 | 5 | NA | NA | 1 | <2 | |
| N18749 | M64024-4 | 1 | MS13406 | V8260RCP | 33 | 5 | NA | NA | 1 | <2 | |
| N18750 | M64024-5 | 1 | MS13406 | V8260RCP | 34 | 5 | NA | NA | 1 | <2 | |
| N18751 | M64024-6 | 1 | MS13406 | V8260RCP | 35 | 5 | NA | NA | 1 | <2 | |
| N18752 | M64042-7 | 1 | MS13406 | V8260RCP | 36 | 5 | NA | NA | 1 | <2 | |
| N18753 | M64042-8 | 1 | MS13406 | V8260RCP | 37 | 5 | NA | NA | 1 | <2 | |
| N18754 | M64042-9 | 1 | MS13406 | V8260RCP | 38 | 5 | NA | NA | 1 | <2 | |
| N18755 | M64042-10 | 1 | MS13406 | V8260RCP | 39 | 5 | NA | NA | 1 | <2 | |
| N18756 | M64042-11 | 1 | MS13406 | V8260RCP | 40 | 5 | NA | NA | 1 | <2 | |

| Standard Lot # | |
|---|---|
| Calib STD | MSN6067 |
| ICV | NA |
| Inter/Surr STD | MSN6061 |
| BS/BSD | MS6035 |
| MeOH | NA |
| Soil Surrogate | NA |
| Na2S2O3 | NA |
| | |
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| | |

| File ID | |
|---|---|
| Tune File 1 | N18881 |
| Tune File 2 | NA |
| Initial Cal. | 042007 |
| ID FILE | N042007.7 |
| Instrument ID | N |
| ICAL: | AT |
| Column Type: | DB-VRX |
| Sequence Verified By: | AT |
| | |
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|---|---|
| Date: | 4/26/2007 |
| Analyst: | ALIT |
| Batch ID: | MSN683 |
| Matrix: | AQ |
| Approved By: | DOUGY |
| Date Approved: | 4/30/2007 3:15:33 PM |

| Data File | Sample ID | Bot # | Work Group # | Test | ALS # | Purge Vol (ml) | Vol | Cl | Diln Factor | PH | Comment |
|---|---|---|---|---|---|---|---|---|---|---|---|
| N18879 | RB PRIMER | NA | NA | NA | 15 | 5 | NA | NA | 1 | <2 | |
| N18880 | RB PRIMER | NA | NA | NA | 16 | 5 | NA | NA | 1 | <2 | |
| N18881 | CC687-100 | NA | NA | NA | 17 | 5 | NA | NA | 1 | <2 | |
| N18882 | BS | NA | NA | NA | 18 | 5 | NA | NA | 1 | <2 | |
| N18883 | BSD | NA | NA | NA | 19 | 5 | NA | NA | 1 | <2 | |
| N18884 | RB | NA | NA | NA | 20 | 5 | NA | NA | 1 | <2 | |
| N18885 | MB | NA | NA | NA | 21 | 5 | NA | NA | 1 | <2 | |
| N18886 | M64073-1 | 12 | MS13439 | V8260RCP | 22 | 5 | NA | NA | 1 | <2 | |
| N18887 | M64073-3 | 12 | MS13439 | V8260RCP | 23 | 5 | NA | NA | 1 | <2 | |
| N18888 | M64073-5 | 12 | MS13439 | V8260RCP | 24 | 5 | NA | NA | 1 | <2 | |
| N18889 | M64073-7 | 12 | MS13439 | V8260RCP | 25 | 5 | NA | NA | 1 | <2 | |
| N18890 | M64073-9 | 12 | MS13439 | V8260RCP | 26 | 5 | NA | NA | 1 | <2 | |
| N18891 | M64162-18 | 2 | MS13438 | V8260MCP | 27 | 5 | NA | NA | 1 | <2 | |
| N18892 | M64073-9MS | 13 | MS13439 | V8260RCP | 28 | 5 | NA | NA | 5 | <2 | |
| N18893 | M64073-9MSD | 1 | MS13439 | V8260RCP | 29 | 5 | NA | NA | 5 | <2 | |
| N18894 | M64073-11 | 1 | MS13439 | V8260RCP | 30 | 5 | NA | NA | 1 | <2 | |
| N18895 | M64016-1 | 2 | MS13429 | V8260AP9 | 31 | 5 | NA | NA | 1 | <2 | |
| N18896 | M64016-2 | 2 | MS13429 | V8260AP9 | 32 | 5 | NA | NA | 1 | <2 | |
| N18897 | M64038-6 | 2 | MS13429 | V8260RCP | 33 | 5 | NA | NA | 1 | <2 | |
| N18898 | M64038-8 | 2 | MS13429 | V8260RCP | 34 | 5 | NA | NA | 1 | <2 | |
| N18899 | M64073-12 | 8 | MS13429 | V8260RCP | 35 | 5 | NA | NA | 1 | <2 | |
| N18900 | M64100-14 | 2 | MS13429 | V8260RCP | 36 | 5 | NA | NA | 1 | <2 | |
| N18901 | M64100-3 | 1 | MS13439 | V8260RCP | 37 | 5 | NA | NA | 1 | <2 | |
| N18902 | M64100-5 | 1 | MS13439 | V8260RCP | 38 | 5 | NA | NA | 1 | <2 | |
| N18903 | M64100-7 | 1 | MS13439 | V8260RCP | 39 | 5 | NA | NA | 1 | <2 | |
| N18904 | M64100-9 | 1 | MS13439 | V8260RCP | 40 | 5 | NA | NA | 1 | <2 | |
| N18905 | M64100-10 | 1 | MS13439 | V8260RCP | 41 | 5 | NA | NA | 1 | <2 | |

| Standard Lot # | |
|---|---|
| Calib STD | MS6042 |
| ICV | NA |
| Inter/Surr STD | MS6061 |
| BS/BSD | MS6035 |
| MeOH | NA |
| Soil Surrogate | NA |
| Na2S2O3 | NA |
| | |
| | |
| | |

| File ID | |
|---|---|
| Tune File 1 | N18908 |
| Tune File 2 | NA |
| Initial Cal. | 041307 |
| ID FILE | N041307W.M |
| Instrument ID | N |
| ICAL: | AT |
| Column Type: | DB-VRX |
| Sequence Verified By: | AT |
| | |
| | |

| | |
|---|---|
| Date: | 4/27/2007 |
| Analyst: | ALIT |
| Batch ID: | MSN684 |
| Matrix: | AQ |
| Approved By: | PHILIPB |
| Date Approved: | 4/30/2007 3:16:18 PM |

| Data File | Sample ID | Bot # | Work Group # | Test | ALS # | Purge Vol (ml) | Vol | CI | Diln Factor | PH | Comment |
|---|---|---|---|---|---|---|---|---|---|---|---|
| N18908 | CC681-100 | | MS6042 | V8260MCP | 17 | 5 | NA | NA | 1 | <2 | |
| N18909 | BSD | | MS6035 | V8260MCP | 18 | 5 | NA | NA | 1 | <2 | |
| N18910 | BS | | MS6035 | V8260MCP | 19 | 5 | NA | NA | 1 | <2 | |
| N18911 | RB | | NA | V8260MCP | 20 | 5 | NA | NA | 1 | <2 | |
| N18912 | MB | | NA | V8260MCP | 21 | 5 | NA | NA | 1 | <2 | |
| N18913 | M64101-19 | 2 | MS13436 | V8260RCP | 22 | 5 | NA | NA | 10 | <2 | |
| N18914 | M64162-1 | 2 | MS13438 | V8260MCP | 23 | 5 | NA | NA | 1 | <2 | |
| N18915 | M64162-2 | 2 | MS13438 | V8260MCP | 24 | 5 | NA | NA | 1 | <2 | |
| N18916 | M64162-6 | 2 | MS13438 | V8260MCP | 25 | 5 | NA | NA | 1 | <2 | |
| N18917 | M64162-7 | 2 | MS13438 | V8260MCP | 26 | 5 | NA | NA | 1 | <2 | |
| N18918 | M64162-14 | 2 | MS13438 | V8260MCP | 27 | 5 | NA | NA | 1 | <2 | |
| N18919 | M64162-15 | 2 | MS13438 | V8260MCP | 28 | 5 | NA | NA | 1 | <2 | |
| N18920 | M64162-28 | 2 | MS13438 | V8260MCP | 29 | 5 | NA | NA | 1 | <2 | |
| N18921 | M64100-5 | 1 | MS13439 | V8260RCP | 30 | 5 | NA | NA | 1 | <2 | |
| N18922 | M64100-7 | 2 | MS13439 | V8260RCP | 31 | 5 | NA | NA | 1 | <2 | |
| N18923 | M64100-9 | 2 | MS13439 | V8260RCP | 32 | 5 | NA | NA | 1 | <2 | |
| N18924 | M64100-1 | 1 | MS13446 | V8260RCP | 33 | 5 | NA | NA | 1 | <2 | |
| N18925 | M64100-1MS | 2 | | V8260RCP | 34 | 5 | NA | NA | 5 | <2 | |
| N18926 | M64100-1MSD | 2 | | V8260RCP | 35 | 5 | NA | NA | 5 | <2 | |
| N18927 | M64100-12 | 1 | MS13446 | V8260RCP | 36 | 5 | NA | NA | 1 | <2 | |
| N18928 | M64155-3 | 1 | MS13446 | V8260STD | 37 | 5 | NA | NA | 1 | <2 | |
| N18929 | M64126-1 | 1 | MS13446 | V8260RCP | 38 | 5 | NA | NA | 1 | <2 | |
| N18930 | M64126-8 | 1 | MS13446 | V8260RCP | 39 | 5 | NA | NA | 1 | <2 | |
| N18931 | M64155-1 | 1 | MS13446 | V8260STD | 40 | 5 | NA | NA | 1 | <2 | |
| N18932 | M64155-2 | 1 | MS13446 | V8260STD | 41 | 5 | NA | NA | 1 | <2 | |
| N18933 | M64137-1 | 1 | MS13446 | V8260STD | 42 | 5 | NA | NA | 1 | >2 | |
| N18934 | RB | | | V8260STD | 43 | 5 | NA | NA | 1 | <2 | |
| N18935 | RB | | | V8260STD | 44 | 5 | NA | NA | 1 | <2 | |

| Standard Lot # | |
|---|---|
| Calib STD | MS6035 |
| ICV | MS6042 |
| Inter/Surr STD | MS6019 |
| BS/BSD | MS6042 |
| MeOH | NA |
| Soil Surrogate | NA |
| Na2S2O3 | NA |
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| | |

| File ID | |
|---|---|
| Tune File 1 | 16879 |
| Tune File 2 | 16889 |
| Initial Cal. | 04/17/2007 |
| ID FILE | P041707W |
| Instrument ID | P |
| ICAL: | AMYM |
| Column Type: | DBVRX |
| Sequence Verified By: | AMYM |
| | |
| | |

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|---|---|
| Date: | 4/17/2007 |
| Analyst: | AMYM |
| Batch ID: | msp577 |
| Matrix: | AQ |
| Approved By: | DOUGY |
| Date Approved: | 4/20/2007 9:23:02 AM |

| Data File | Sample ID | Bot # | Work Group # | Test | ALS # | Purge Vol (ml) | Vol | CI | Diln Factor | PH | Comment |
|---|---|---|---|---|---|---|---|---|---|---|---|
| P16867 | BLK | na | NA | NA | 1 | 5 | NA | NA | 1 | <2 | |
| P16868 | BLK | na | NA | NA | 2 | 5 | NA | NA | 1 | <2 | |
| P16869 | BLK | na | NA | NA | 3 | 5 | NA | NA | 1 | <2 | |
| P16870 | BLK | na | NA | NA | 4 | 5 | NA | NA | 1 | <2 | |
| P16871 | BLK | na | NA | NA | 5 | 5 | NA | NA | 1 | <2 | |
| P16872 | BLK | na | NA | NA | 6 | 5 | NA | NA | 1 | <2 | |
| P16873 | CC574-100 | 2 | MS6042 | NA | 1 | 5 | NA | NA | 1 | <2 | out of critria, recalibration. |
| P16874 | BS | 1 | MS6035 | NA | 2 | 5 | NA | NA | 1 | <2 | |
| P16875 | BSD | 1 | MS6035 | NA | 3 | 5 | NA | NA | 1 | <2 | |
| P16876 | BLK | na | NA | NA | 4 | 5 | NA | NA | 1 | <2 | |
| P16877 | MB | na | NA | NA | 5 | 5 | NA | NA | 1 | <2 | |
| P16878 | BLK | na | NA | NA | 4 | 5 | NA | NA | 1 | <2 | |
| P16879 | BLK | na | NA | NA | 5 | 5 | NA | NA | 1 | <2 | |
| P16880 | IC577-0.5 | 2 | MS6035 | NA | 6 | 5 | NA | NA | 1 | <2 | |
| P16881 | IC577-1 | 2 | MS6035 | NA | 7 | 5 | NA | NA | 1 | <2 | |
| P16882 | IC577-2 | 2 | MS6035 | NA | 8 | 5 | NA | NA | 1 | <2 | |
| P16883 | IC577-5 | 2 | MS6035 | NA | 9 | 5 | NA | NA | 1 | <2 | |
| P16884 | IC577-25 | 2 | MS6035 | NA | 10 | 5 | NA | NA | 1 | <2 | |
| P16885 | IC577-400 | 2 | MS6035 | NA | 11 | 5 | NA | NA | 1 | <2 | |
| P16886 | IC577-200 | 2 | MS6035 | NA | 12 | 5 | NA | NA | 1 | <2 | |
| P16887 | ICC577-100 | 2 | MS6035 | NA | 13 | 5 | NA | NA | 1 | <2 | |
| P16888 | IC577-50 | 2 | MS6035 | NA | 14 | 5 | NA | NA | 1 | <2 | |
| P16889 | ICV577-50 | 1 | MS6042 | NA | 15 | 5 | NA | NA | 1 | <2 | |
| P16890 | BS | 1 | MS6042 | NA | 16 | 5 | NA | NA | 1 | <2 | |
| P16891 | BLK | na | NA | NA | 17 | 5 | NA | NA | 1 | <2 | |
| P16892 | MB | na | NA | NA | 18 | 5 | NA | NA | 1 | <2 | |
| P16893 | M64014-5 | 1 | MS13388 | V8260STAR | 19 | 5 | NA | NA | 1 | <2 | |
| P16894 | M64014-1 | 1 | MS13388 | V8260STAR | 20 | 5 | NA | NA | 1 | <2 | |
| P16895 | M64014-2 | 1 | MS13388 | V8260STAR | 21 | 5 | NA | NA | 1 | <2 | |
| P16896 | M64014-3 | 1 | MS13388 | V8260STAR | 22 | 5 | NA | NA | 2 | <2 | Do not report, see rerun with low level. |
| P16897 | M64014-4 | 1 | MS13388 | V8260STAR | 23 | 5 | NA | NA | 1 | <2 | |
| P16898 | M64029-21 | 1 | MS13388 | V8260STAR | 24 | 5 | NA | NA | 1 | <2 | |
| P16899 | M64029-22 | 1 | MS13388 | V8260STAR | 25 | 5 | NA | NA | 1 | <2 | |
| P16900 | M64029-23 | 1 | MS13388 | V8260STAR | 26 | 5 | NA | NA | 1 | <2 | |

| Standard Lot # | |
|---|---|
| Calib STD | MS6035 |
| ICV | NA |
| Inter/Surr STD | MS6019 |
| BS/BSD | MS6042 |
| MeOH | NA |
| Soil Surrogate | NA |
| Na2S2O3 | NA |
| | |
| | |
| | |

| File ID | |
|---|---|
| Tune File 1 | 17197 |
| Tune File 2 | NA |
| Initial Cal. | 04/17/2007 |
| ID FILE | P041707W |
| Instrument ID | P |
| ICAL: | AMYM |
| Column Type: | DBVRX |
| Sequence Verified By: | AMYM |
| | |
| | |

| | |
|---|---|
| Date: | 4/26/2007 |
| Analyst: | AMYM |
| Batch ID: | MSP589 |
| Matrix: | AQ |
| Approved By: | PHILIPB |
| Date Approved: | 5/1/2007 11:08:03 AM |

| Data File | Sample ID | Bot # | Work Group # | Test | ALS # | Purge Vol (ml) | Vol | CI | Diln Factor | PH | Comment |
|---|---|---|---|---|---|---|---|---|---|---|---|
| P17194 | BLK | na | NA | NA | 1 | 5 | NA | NA | 1 | <2 | |
| P17195 | BLK | na | NA | NA | 2 | 5 | NA | NA | 1 | <2 | |
| P17196 | BLK | na | NA | NA | 3 | 5 | NA | NA | 1 | <2 | |
| P17197 | CC577-100 | 2 | MS6035 | NA | 1 | 5 | NA | NA | 1 | <2 | |
| P17198 | BS | 1 | MS6042 | NA | 2 | 5 | NA | NA | 1 | <2 | |
| P17199 | BSD | 1 | MS6042 | NA | 3 | 5 | NA | NA | 1 | <2 | |
| P17200 | BLK | na | NA | NA | 4 | 5 | NA | NA | 1 | <2 | |
| P17201 | MB | na | NA | NA | 5 | 5 | NA | NA | 1 | <2 | |
| P17202 | M64162-30 | 1 | MS13438 | V8260MCP | 6 | 5 | NA | NA | 1 | <2 | |
| P17203 | M64162-13 | 1 | MS13438 | V8260MCP | 7 | 5 | NA | NA | 1 | <2 | |
| P17204 | M64162-17 | 1 | MS13438 | V8260MCP | 8 | 5 | NA | NA | 1 | <2 | |
| P17205 | M64162-18 | 1 | MS13438 | V8260MCP | 9 | 5 | NA | NA | 1 | <2 | Do not report, possible carry over,rerun on "N" |
| P17206 | M64162-23 | 1 | MS13438 | V8260MCP | 10 | 5 | NA | NA | 1 | <2 | |
| P17207 | M64162-25 | 1 | MS13438 | V8260MCP | 11 | 5 | NA | NA | 1 | <2 | |
| P17208 | M64162-1 | 1 | MS13438 | V8260MCP | 12 | 5 | NA | NA | 1 | <2 | Do not report, possible carry over,rerun on "N" |
| P17209 | M64162-17 | 1 | MS13438 | V8260MCP | 13 | 5 | NA | NA | 250 | <2 | |
| P17210 | M64162-23 | 1 | MS13438 | V8260MCP | 14 | 5 | NA | NA | 250 | <2 | |
| P17211 | M64162-25 | 1 | MS13438 | V8260MCP | 15 | 5 | NA | NA | 100 | <2 | |
| P17212 | M64162-2 | 1 | MS13438 | V8260MCP | 16 | 5 | NA | NA | 5 | <2 | Do not report, possible carry over,rerun on "N" |
| P17213 | M64162-3 | 1 | MS13438 | V8260MCP | 17 | 5 | NA | NA | 5 | <2 | |
| P17214 | M64162-4 | 1 | MS13438 | V8260MCP | 18 | 5 | NA | NA | 1 | <2 | |
| P17215 | M64162-6 | 1 | MS13438 | V8260MCP | 19 | 5 | NA | NA | 1 | <2 | Do not report, possible carry over,rerun on "N" |
| P17216 | M64162-7 | 1 | MS13438 | V8260MCP | 20 | 5 | NA | NA | 1 | <2 | Do not report, possible carry over,rerun on "N" |
| P17217 | M64162-13MS | 2 | | V8260MCP | 21 | 5 | NA | NA | 5 | <2 | |
| P17218 | M64162-13MSD | 2 | | V8260MCP | 22 | 5 | NA | NA | 5 | <2 | |
| P17219 | M64162-14 | 1 | MS13438 | V8260MCP | 23 | 5 | NA | NA | 1 | <2 | Do not report, possible carry over,rerun on "N" |
| P17220 | M64162-15 | 1 | MS13438 | V8260MCP | 24 | 5 | NA | NA | 1 | <2 | Do not report, possible carry over,rerun on "N" |
| P17221 | M64162-19 | 1 | MS13438 | V8260MCP | 25 | 5 | NA | NA | 1 | <2 | |
| P17222 | M64162-28 | 1 | MS13438 | V8260MCP | 26 | 5 | NA | NA | 1 | <2 | out of the clock, rerun on "N" |