Pace Analytical®
www.pacelabs.com

**Pace Analytical Services, Inc.**
1000 Riverbend Blvd., Suite F
St. Rose, LA 70087
Phone: 504.469.0333
Fax: 504.469.0555

*Sample Data Package*

*SDG: 2064976*

*Project(s): 2064976*

*Presented to:*

*Luis Vega*
*EA Engineering Science & Tech*
*405 S. Highway 121*
*Building C*
*Suite 100*
*Lewisville, TX 75067*

*Presented By:*

*Pace Analytical Services, Inc.*
*1000 Riverbend Blvd.*
*Suite F*
*St. Rose, Louisiana 70087*

*January 9, 2007*

981523

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**NARRATIVE**

Pace Analytical®
New Orleans Laboratory

**Pace Analytical Services, Inc.**
1000 Riverbend Blvd. Suite F
Saint Rose, LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

January 05, 2007

Luis Vega
EA Engineering,Science &Tech
405 S Highway 121
Building C Suite 100
Lewisville, TX 75067

RE: Project: 2064976
RE: Project ID: Gulfco Marine Superfund Site

Dear Luis Vega:

Enclosed are the analytical results for sample(s) received by the laboratory on December 08, 2006. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

William R Shackelford

Randy Shackelford



This report shall not be reproduced, execpt in full, without the written consent of Pace Analytical Services, Inc.

Pace Analytical
New Orleans Laboratory

# Project Narrative

**Pace Analytical Services, Inc.**
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

**Project: 2064976**

| Analytical Method | Batch | Sample used for QC |
|---|---|---|
| EPA 8081 | 79516 | Batch sample from another client |
| EPA 6010 | 80238 | Batch sample from another client |
| EPA 6010 | 80238 | Batch sample from another client |
| EPA 6010 | 80238 | Batch sample from another client |
| EPA 7470 | 80237 | Batch sample from another client |
| EPA 7470 | 80237 | Batch sample from another client |
| EPA 7470 | 80237 | Batch sample from another client |
| EPA 8270 | 79793 | Batch sample from another client |
| EPA 8260 | 80059 | Client sample 2WSW3-EPA from project 2064974 |



1/5/2007 10:14:57

For the sample used as the original for the DUP or MS/MSD for the batch:

Project sample means a sample from this project was used.
Client sample means a sample from the same client but in a different project was used.
Batch sample means a sample from the a different client was used.

*New Orleans Laboratory Certifications*
*Louisiana Dept. of Environmental Quality (LELAP) - 02006*
*Arkansas Dept. of Environmental Quality - 88-0681*
*Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023*
*Florida Dept. of Health (NELAC) - E87595*
*Kansas Dept. of Health Environment - E-10266*
*U.S. Dept. of Agriculture Foreign Soil Permit - S-47270*

Pace Analytical
New Orleans Laboratory

# Project Narrative

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1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

**Project:** 2064976

Sample Receipt Condition:

All samples were received in accordance with EPA protocol.

Holding Times:

All holding times were met.

Blanks:

All blank results were below reporting limits.

Laboratory Control Samples:

LCS recoveries outside of QC limits are qualified in the Report of Quality Control section.

Matrix Spikes and Duplicates:

MS or MSD recoveries outside of QC limits are qualified in the Report of Quality Control section.

Surrogates:

All surrogate recoveries were within QC limits.





*New Orleans Laboratory Certifications*
*Louisiana Dept. of Environmental Quality (LELAP) - 02006*
*Arkansas Dept. of Environmental Quality - 88-0681*
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# Sample Cross Reference Report

*Pace Analytical Services, Inc.*
*1000 Riverbend Blvd. Suite F*
*St. Rose , LA 70087*

*Phone: 504.469.0333*
*Fax: 504.469.0555*
*LELAP # 02006*

**Client:** EA Engineering,Science &Tech

**Project:** Gulfco Marine Superfund Site

**Project No.:** 2064976

| Sample ID | Lab ID | Matrix | Collection Date/Time | | Received Date/Time | |
|---|---|---|---|---|---|---|
| 2WSW6-EPA | 20489238 | Water | 12/06/2006 | 12:45 | 12/08/2006 | 10:00 |
| TRIP BLANK | 20489239 | Water | 12/06/2006 | | 12/08/2006 | 10:00 |





*New Orleans Laboratory Certifications*
*Louisiana Dept. of Environmental Quality (LELAP) - 02006*
*Arkansas Dept. of Environmental Quality - 88-0681*
*Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023*
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*Kansas Dept. of Health Environment - E-10266*
*U.S. Dept. of Agriculture Foreign Soil Permit - S-47270*

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# Report Qualifiers

**Pace Analytical Services, Inc.**
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

**Project: 2064976**

**Analyte Qualifiers**

| Qualifier | Qualifier Description |
|---|---|
| A10 | N-Nitrosodiphenylamine is reported as diphenylamine. |
| A11 | This analyte is a common solvent. Its presence in field samples may be an artifact of sample collection, transport, laboratory storage or analysis. |
| J | This estimated value for the analyte is below the adjusted reporting limit but above the instrument reporting limit. |

**QC Qualifiers**

| Qualifier | Qualifier Description |
|---|---|
| Q1 | The matrix spike recoveries are poor. Acceptable method performance for this analyte has been demonstrated by the laboratory control sample recovery. |
| Q10 | The spike recovery was above the laboratory QC limits, however, the data are reported without qualification since the target analyte was not detected in the corresponding samples. |
| Q5 | Insufficient sample was provided to perform matrix spike analyses on any sample in this analytical batch. Method performance for this analyte has been demonstrated by the laboratory control sample recovery. |





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*Louisiana Dept. of Environmental Quality (LELAP) - 02006*
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*U.S. Dept. of Agriculture Foreign Soil Permit - S-47270*

PACE ANALYTICAL SERVICES, INC.
NEW ORLEANS LABORATORY
PERSONNEL SIGNATURE RECORD

1/30/2006

| EMPLOYEE | POSITION | DATE | SIGNATURE | INITIAL |
|---|---|---|---|---|
| SHELLEY ANTOINE | MANAGER, LAB SERVICES | 1/31/06 | Shelley Antoine | SA |
| CEON BAZILE | LAB ANALYST | 1/31/06 | Ceon Bazile | CCB |
| JULIE BORNE | PROJECT MANAGER | 1/30/06 | Julie Borne | JEB |
| KAREN BROWN | CLIENT SERVICES MGR. | 1/30/06 | Karen Brown | KLB |
| PHYLLIS BUNCH | LAB TECHNICIAN | 1/31/06 | Phyllis Bunch | P.B. |
| MARY ANN CAIN | ADMIN. BUSINESS MGR. | 1/31/06 | Mary Ann Cain | MA |
| CAROL DOMINICK | PROJECT COORDINATOR | 1/31/06 | Carol Dominick | CD |
| BENJAMIN DUKE | SYSTEMS MANAGER | 1/31/06 | Benjamin Duke | BD |
| BRENDA DUXWORTH | SUPPORT COORDINATOR | 1/31/06 | Brenda Duxworth | BSD |
| TRACY EASLEY | LAB SUPERVISOR | 1/31/06 | Tracy Easley | TE |
| LISA EDWARDS | LAB ANALYST | 2/2/6 | Lisa Edwards | LE |
| JEFFERY EVANS | CLIENT SERVICE TECH | 1-31-06 | Jeffery Evans | J.E. |
| STEPHANIE FAIRCHILD | LAB ANALYST | 1/31/06 | Stephanie Fairchild | SLF |
| DAVID FINNEY | CLIENT SERVICES TECH | 1/31/06 | David Finney | DF |
| H. PETE FIRMIN | CLIENT SERVICES TECH | 2/1/06 | Firmin Pace | H.P.F. |
| KANCHAN GANDBHIR | LAB ANALYST | 2/2/06 | K.D. Gandbhir | KDG |
| GEORGE GAUDET | LAB ANALYST | 1/31/06 | George Gaudet III | GLG |
| JARRETT GAUDET | LAB ANALYST | 1/31/06 | Jarrett J. Gaudet | JJG |
| MARCO GIBSON | CUSTOMER SVC SPEC. | 1-31-06 | Marco Gibson | MTG |
| JOHNATHAN HALL | CLIENT SERVICES TECH | 1/31/06 | Jonathan Hall | JH |
| KATHY HENDRIX | SALES MANAGER | 1/30/06 | Kathy Hendrix | KH |
| MAYELITH HURTADO | LAB ANALYST | 1/31/06 | Mayelith Hurtado | MH |
| DEBRA JAMES-DESLATTE | ACCOUNT EXECUTIVE | 2/2/06 | Debra James-Deslatte | DJD |
| LLOYD LANDRY | LAB TECHNICIAN | 2/2/06 | Lloyd Landry | LL |
| DON LEBLANC | CLIENT SERVICES TECH | 2/1/06 | Don LeBlanc | DJL |
| NEIL MAGEE | LAB SUPERVISOR | 2/1/6 | Neil Magee 00000 | NM |
| CRAIG MCCOLLUM | ACCOUNT EXECUTIVE | 2-2-06 | Craig McCollum | CM |

PACE ANALYTICAL SERVICES, INC.
NEW ORLEANS LABORATORY
PERSONNEL SIGNATURE RECORD

1/30/2006

| EMPLOYEE | POSITION | DATE | SIGNATURE | INITIAL |
|---|---|---|---|---|
| JO ANN MCFALL | LAB SUPERVISOR | 1/31/06 | Jo Ann McFall | Jam |
| RUSSELL MCNIECE | QUALITY MANAGER | 1/31/06 | | |
| JOHNNY MILLER | CLIENT SERVICES TECH | 2/8/06 | Johnny D Miller | Jom |
| NACE JERRY MILLER | CLIENT SERVICES TECH | 1-31-06 | N J Miller | |
| CINDY OLAVESEN | PROJECT MANAGER | 1/31/06 | Cindy Olavesen | Co |
| FRANK PIEHL | TECHNICAL DIRECTOR | 1/31/06 | | |
| SCOTT PLAISANCE | LAB ANALYST | 2-2-06 | Scott A. Plaisance | SP |
| KEITH RHODE | MANAGER, LAB SERVICES | 1/31/06 | Keith Rhode | KR |
| MICHELLE RUSSO | LAB ANALYST | 1/31/06 | | |
| MARIE SEARS | LAB ANALYST | 1/31/06 | Marie L Sears | |
| RANDY SHACKELFORD | PROJECT MANAGER | 1/30/06 | Randy Shackelford | WRS. |
| SONYA SHARP | LAB ANALYST | 1/31/06 | Sonya M. Sharp | SM |
| REGINA SMITH | CLIENT SERVICES TECH | 2-1-06 | | |
| DAVID THOMPSON | LAB SUPERVISOR | 1-31-6 | Dave Thompson | |
| BRUCE TROXCLAIR | LAB ANALYST | 2-2-06 | Bruce Troxclair | |
| MIKE WAGNER | ACCOUNT EXECUTIVE | 2-13-06 | J. M. Wagner | JMW |
| CHANTEL WAGUESPACK | LAB ANALYST | 1/31/06 | Chantel C. Waguespack | CW |
| B. CHRIS WEATHINGTON | GENERAL MANAGER | 1/31/06 | B Chris Weathington | BCW |

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CHAIN OF CUSTODY

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# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

2064976

Page: of 1046225

| Section A Required Client Information: | Section B Required Project Information: | Section C Invoice Information: |
|---|---|---|
| Company: EA Engineering | Report To: Luis Vega | Attention: Luis Vega |
| Address: 6650 W. Sam Houston Pkwy N. #420 | Copy To: Duane Thomas | Company Name: EA EST Inc. |
| | | Address: 405 S. Hwy 121, Bldg C suite 100 |
| Email To: lvega@eaest.com | Purchase Order No.: | Pace Quote Reference: Lewisville TX 75067 |
| Phone: 972-315-3922 Fax: 972-315-8930 | Project Name: Gulfco Marine Maintenance | Pace Project Manager: Randy Shakleford |
| Requested Due Date/TAT: | Project Number: 0006-RICO-065Z | Pace Profile #: |

**REGULATORY AGENCY**

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ Other_____

**SITE LOCATION** ☐GA ☐IL ☐IN ☐MI ☐MN ☐NC ☐OH ☐SC ☐WI ☐OTHER_____

**Section D** Required Client Information

**SAMPLE ID**

One Character per box. (A-Z, 0-9 / .-) Samples IDs MUST BE UNIQUE

Valid Matrix Codes: MATRIX / CODE — DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

| ITEM # | SAMPLE ID | MATRIX CODE | SAMPLE TYPE G=GRAB C=COMP | COLLECTED COMPOSITE START DATE | COMPOSITE START TIME | COMPOSITE END/GRAB DATE | COMPOSITE END/GRAB TIME | SAMPLE TEMP AT COLLECTION | # OF CONTAINERS | Unpreserved | $H_2SO_4$ | $HNO_3$ | HCl | NaOH | $Na_2S_2O_3$ | Methanol | Other | Filtered (Y/N) | Requested Analysis: VOC 8260B | SVOC 8270C | Metals 6020B/7470A | Organo Pest 8081A | PCB's 8082 | Residual Chlorine (Y/N) | Pace Project Number / Lab I.D |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2WSW6-EPA | WT | 6 | | | 12/06/06 | 12:45 | | 9 | X | | X | X | | | | | | X | X | X | X | X | 2 | 0489L38 |
| 2 | TEMP BLANK | WT | | | | | | | 1 | | | | | | | | | | | | | | | | metals |
| 3 | TRIP BLANK | WT | | | | | | | 1 | | | | | | | | | | | | | 9 | 2 | 3 | 9 Total |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | |

Additional Comments:

If sufficient volume, please run filtered sample for metals

| RELINQUISHED BY / AFFILIATION | DATE | TIME | ACCEPTED BY / AFFILIATION | DATE | TIME | SAMPLE CONDITION | | | |
|---|---|---|---|---|---|---|---|---|---|
| Duane Thomas / EAEST | 12/07/06 | 12:37 | | | | | Y/N | Y/N | Y/N |
| Fed Ex | 12-8-06 | 1000 | [signature] | 12-8-06 | 1000 | 5.0 | Y/N | Y/N | Y/N |
| | | | | | | | Y/N | Y/N | Y/N |
| | | | | | | | Y/N | Y/N | Y/N |
| | | | | | | Temp in °C | Received on Ice | Custody Sealed Cooler | Samples Intact |

**SAMPLER NAME AND SIGNATURE**

PRINT Name of SAMPLER: Duane Thomas

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM / DD / YY): 12/07/06

SEE REVERSE SIDE FOR INSTRUCTIONS

ORIGINAL

ALL Q020rev 3.31Mar05

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**Pace Analytical Services, Inc.**
1000 Riverbend Blvd., Suite F
St. Rose, LA 70087
Phone: 504.469.0333
Fax: 504.469.0555

*Sample Data*
*Summary Package*

*SDG: 2064976*

*Project(s): 2064976*

RECEIVED
JAN 12 2007
EA ENG. DALLAS

*Presented to:*

*Luis Vega*
*EA Engineering Science & Tech*
*405 S. Highway 121*
*Building C*
*Suite 100*
*Lewisville, TX 75067*

*Presented By:*

*Pace Analytical Services, Inc.*
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*St. Rose, Louisiana 70087*

*January 9, 2007*

# Project Narrative

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

**Project:** 2064976

Sample Receipt Condition:

All samples were received in accordance with EPA protocol.

Holding Times:

All holding times were met.

Blanks:

All blank results were below reporting limits.

Laboratory Control Samples:

LCS recoveries outside of QC limits are qualified in the Report of Quality Control section.

Matrix Spikes and Duplicates:

MS or MSD recoveries outside of QC limits are qualified in the Report of Quality Control section.

Surrogates:

All surrogate recoveries were within QC limits.



New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
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New Orleans Laboratory

# Project Narrative

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St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

**Project: 2064976**

| Analytical Method | Batch | Sample used for QC |
|---|---|---|
| EPA 8081 | 79516 | Batch sample from another client |
| EPA 6010 | 80238 | Batch sample from another client |
| EPA 6010 | 80238 | Batch sample from another client |
| EPA 6010 | 80238 | Batch sample from another client |
| EPA 7470 | 80237 | Batch sample from another client |
| EPA 7470 | 80237 | Batch sample from another client |
| EPA 7470 | 80237 | Batch sample from another client |
| EPA 8270 | 79793 | Batch sample from another client |
| EPA 8260 | 80059 | Client sample 2WSW3-EPA from project 2064974 |



For the sample used as the original for the DUP or MS/MSD for the batch:

Project sample means a sample from this project was used.
Client sample means a sample from the same client but in a different project was used.
Batch sample means a sample from the a different client was used.

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# Report of Laboratory Analysis

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Pace Analytical® New Orleans Laboratory

**Client:** EA Engineering,Science &Tech

**Client ID:** 2WSW6-EPA | **Site:** None

**Project:** Gulfco Marine Superfund Site | **Project No.:** 2064976 | **Sample Qu:**

**Lab ID:** 20489238 | **Matrix:** Water | **% Moisture:** n/a

**Description:** None | **Prep Level:** Water | **Batch:** 80059

**Method:** 8260 VOAs Full List Water | **Units:** ug/L | **Target List:** 826F_WL20

**Collected:** 12/06/06 | **Received:** 12/08/06

**Prep Factor:** 1 | **Prepared:** 12/18/06 | **Analyzed:** 12/18/06 15:48 RMP (1)

| CAS Number | Parameter | Dilution | Result | Qu | Adjusted MDL | Reporting Limit | Reg. Limit |
|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | 1 | ND | A11 | 5.90 | 10.0 | |
| 107-02-8 | Acrolein | 1 | ND | | 9.10 | 20.0 | |
| 107-13-1 | Acrylonitrile | 1 | ND | | 4.90 | 20.0 | |
| 71-43-2 | Benzene | 1 | ND | | 0.117 | 5.00 | |
| 108-86-1 | Bromobenzene | 1 | ND | | 0.156 | 5.00 | |
| 75-27-4 | Bromodichloromethane | 1 | ND | | 0.206 | 5.00 | |
| 75-25-2 | Bromoform | 1 | ND | | 0.259 | 5.00 | |
| 74-83-9 | Bromomethane | 1 | ND | | 1.94 | 5.00 | |
| 71-36-3 | n-Butanol | 1 | ND | | | 200. | |
| 78-93-3 | 2-Butanone (MEK) | 1 | ND | A11 | 2.25 | 10.0 | |
| 104-51-8 | n-Butylbenzene | 1 | ND | | 0.0819 | 5.00 | |
| 135-98-8 | sec-Butylbenzene | 1 | ND | | 0.0410 | 5.00 | |
| 98-06-6 | tert-Butylbenzene | 1 | ND | | 0.0660 | 5.00 | |
| 75-15-0 | Carbon disulfide | 1 | ND | | 0.257 | 5.00 | |
| 56-23-5 | Carbon tetrachloride | 1 | ND | | 0.592 | 5.00 | |
| 108-90-7 | Chlorobenzene | 1 | ND | | 0.119 | 5.00 | |
| 75-00-3 | Chloroethane | 1 | ND | | 0.647 | 5.00 | |
| 110-75-8 | 2-Chloroethylvinyl ether | 1 | ND | | 1.11 | 20.0 | |
| 67-66-3 | Chloroform | 1 | ND | | 0.479 | 5.00 | |
| 74-87-3 | Chloromethane | 1 | ND | | 0.305 | 5.00 | |
| 95-49-8 | 2-Chlorotoluene | 1 | ND | | 0.0906 | 5.00 | |
| 106-43-4 | 4-Chlorotoluene | 1 | ND | | 0.0916 | 5.00 | |
| 110-82-7 | Cyclohexane | 1 | ND | | 0.464 | 5.00 | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 1 | ND | | 1.22 | 5.00 | |
| 124-48-1 | Dibromochloromethane | 1 | ND | | 0.145 | 5.00 | |
| 106-93-4 | 1,2-Dibromoethane (EDB) | 1 | ND | | 0.669 | 5.00 | |
| 74-95-3 | Dibromomethane | 1 | ND | | 1.39 | 5.00 | |
| 95-50-1 | 1,2-Dichlorobenzene | 1 | ND | | 0.115 | 5.00 | |
| 541-73-1 | 1,3-Dichlorobenzene | 1 | ND | | 0.0894 | 5.00 | |
| 106-46-7 | 1,4-Dichlorobenzene | 1 | ND | | 0.139 | 5.00 | |
| 110-57-6 | trans-1,4-Dichloro-2-butene | 1 | ND | | 1.86 | 5.00 | |
| 75-71-8 | Dichlorodifluoromethane | 1 | ND | | 0.818 | 5.00 | |
| 75-34-3 | 1,1-Dichloroethane | 1 | ND | | 0.515 | 5.00 | |

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of extract. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit denotes an actual regulatory limit or a client-requested notification limit.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

1/5/2007 10:15:00

*New Orleans Laboratory Certifications*
*Louisiana Dept. of Environmental Quality (LELAP) - 02006*
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*Kansas Dept. of Health Environment - E-10266*
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Pace Analytical
New Orleans Laboratory

# Report of Laboratory Analysis

**Pace Analytical Services, Inc.**
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

**Client:** EA Engineering,Science &Tech

**Client ID:** 2WSW6-EPA
**Site:** None
**Project:** Gulfco Marine Superfund Site
**Project No.:** 2064976
**Sample Qu:**
**Lab ID:** 20489238
**Matrix:** Water
**% Moisture:** n/a
**Description:** None
**Prep Level:** Water
**Batch:** 80059
**Method:** 8260 VOAs Full List Water
**Units:** ug/L
**Target List:** 826F_WL20
**Collected:** 12/06/06
**Received:** 12/08/06
**Prep Factor:** 1
**Prepared:** 12/18/06
**Analyzed:** 12/18/06 15:48 RMP (1)

| CAS Number | Parameter | Dilution | Result | Qu | Adjusted MDL | Reporting Limit | Reg. Limit |
|---|---|---|---|---|---|---|---|
| 107-06-2 | 1,2-Dichloroethane | 1 | ND | | 0.212 | 5.00 | |
| 540-59-0 | 1,2-Dichloroethene (Total) | 1 | ND | | 0.839 | 10.0 | |
| 75-35-4 | 1,1-Dichloroethene | 1 | ND | | 0.493 | 5.00 | |
| 156-59-2 | cis-1,2-Dichloroethene | 1 | ND | | 0.394 | 5.00 | |
| 156-60-5 | trans-1,2-Dichloroethene | 1 | ND | | 0.733 | 5.00 | |
| 78-87-5 | 1,2-Dichloropropane | 1 | ND | | 0.328 | 5.00 | |
| 142-28-9 | 1,3-Dichloropropane | 1 | ND | | 0.239 | 5.00 | |
| 594-20-7 | 2,2-Dichloropropane | 1 | ND | | 0.855 | 5.00 | |
| 563-58-6 | 1,1-Dichloropropene | 1 | ND | | 0.342 | 5.00 | |
| 10061-01-5 | cis-1,3-Dichloropropene | 1 | ND | | 0.0869 | 5.00 | |
| 10061-02-6 | trans-1,3-Dichloropropene | 1 | ND | | 0.216 | 5.00 | |
| 87-68-3 | Hexachloro-1,3-butadiene | 1 | ND | | 0.246 | 5.00 | |
| 591-78-6 | 2-Hexanone | 1 | ND | | 0.468 | 10.0 | |
| 74-88-4 | Iodomethane | 1 | ND | | 0.621 | 5.00 | |
| 98-82-8 | Isopropylbenzene (Cumene) | 1 | ND | | 0.0368 | 5.00 | |
| 99-87-6 | p-Isopropyltoluene | 1 | ND | | 0.0504 | 5.00 | |
| 79-20-9 | Methyl acetate | 1 | ND | | 2.47 | 10.0 | |
| 108-87-2 | Methylcyclohexane | 1 | ND | | 1.60 | 10.0 | |
| 75-09-2 | Methylene chloride | 1 | ND | A11 | 0.710 | 5.00 | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | 1 | ND | | 0.872 | 10.0 | |
| 103-65-1 | n-Propylbenzene | 1 | ND | | 0.0768 | 5.00 | |
| 100-42-5 | Styrene | 1 | ND | | 0.0763 | 5.00 | |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | 1 | ND | | 0.291 | 5.00 | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1 | ND | | 0.238 | 5.00 | |
| 127-18-4 | Tetrachloroethene | 1 | ND | | 0.162 | 5.00 | |
| 108-88-3 | Toluene | 1 | ND | | 0.131 | 5.00 | |
| 100-41-4 | Ethylbenzene | 1 | ND | | 0.119 | 5.00 | |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1 | ND | | 0.254 | 5.00 | |
| 71-55-6 | 1,1,1-Trichloroethane | 1 | ND | | 0.609 | 5.00 | |
| 79-00-5 | 1,1,2-Trichloroethane | 1 | ND | | 0.328 | 5.00 | |
| 79-01-6 | Trichloroethene | 1 | ND | | 0.168 | 5.00 | |
| 75-69-4 | Trichlorofluoromethane | 1 | ND | | 1.57 | 5.00 | |
| 96-18-4 | 1,2,3-Trichloropropane | 1 | ND | | 1.49 | 5.00 | |

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1/5/2007 10:15:00

*New Orleans Laboratory Certifications*
*Louisiana Dept. of Environmental Quality (LELAP) - 02006*
*Arkansas Dept. of Environmental Quality - 88-0681*
*Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023*
*Florida Dept. of Health (NELAC) - E87595*
*Kansas Dept. of Health Environment - E-10266*
*U.S. Dept. of Agriculture Foreign Soil Permit - S-47270*

Pace Analytical®
New Orleans Laboratory

# Report of Laboratory Analysis

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

**Client:** EA Engineering,Science &Tech

**Client ID:** 2WSW6-EPA
**Site:** None
**Project:** Gulfco Marine Superfund Site
**Project No.:** 2064976
**Sample Qu:**
**Lab ID:** 20489238
**Matrix:** Water
**% Moisture:** n/a
**Description:** None
**Prep Level:** Water
**Batch:** 80059
**Method:** 8260 VOAs Full List Water
**Units:** ug/L
**Target List:** 826F_WL20
**Collected:** 12/06/06
**Received:** 12/08/06
**Prep Factor:** 1
**Prepared:** 12/18/06
**Analyzed:** 12/18/06 15:48 RMP (1)

| CAS Number | Parameter | Dilution | Result | Qu | Adjusted MDL | Reporting Limit | Reg. Limit |
|---|---|---|---|---|---|---|---|
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1 | ND | | 0.381 | 5.00 | |
| 95-63-6 | 1,2,4-Trimethylbenzene | 1 | ND | | 0.0844 | 5.00 | |
| 108-67-8 | 1,3,5-Trimethylbenzene | 1 | ND | | 0.0614 | 5.00 | |
| 108-05-4 | Vinyl acetate | 1 | ND | | 0.686 | 10.0 | |
| 75-01-4 | Vinyl chloride | 1 | ND | | 0.463 | 5.00 | |
| | m&p-Xylene | 1 | ND | | 0.151 | 5.00 | |
| 95-47-6 | o-Xylene | 1 | ND | | 0.142 | 5.00 | |
| 1634-04-4 | Methyl-tert-butyl ether | 1 | ND | | 0.381 | 5.00 | |

**74 compound(s) reported**

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# Report of Laboratory Analysis

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1000 Riverbend Blvd. Suite F
St. Rose, LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Pace Analytical® New Orleans Laboratory

**Client:** EA Engineering,Science &Tech

**Client ID:** 2WSW6-EPA | **Site:** None

**Project:** Gulfco Marine Superfund Site | **Project No.:** 2064976 | **Sample Qu:**

**Lab ID:** 20489238 | **Matrix:** Water | **% Moisture:** n/a

**Description:** None | **Prep Level:** Water | **Batch:** 79793

**Method:** 8270 SVOAs Dual pH | **Units:** ug/L | **Target List:** 82702 WL20

**Collected:** 12/06/06 | **Received:** 12/08/06

**Prep Factor:** 1 | **Prepared:** 12/11/06 | **Analyzed:** 12/14/06 16:55 JAM (1)

| CAS Number | Parameter | Dilution | Result | Qu | Adjusted MDL | Reporting Limit | Reg. Limit |
|---|---|---|---|---|---|---|---|
| 83-32-9 | Acenaphthene | 1 | ND | | 0.704 | 10.0 | |
| 208-96-8 | Acenaphthylene | 1 | ND | | 0.986 | 10.0 | |
| 98-86-2 | Acetophenone | 1 | ND | | 1.42 | 10.0 | |
| 62-53-3 | Aniline | 1 | ND | | 1.72 | 10.0 | |
| 120-12-7 | Anthracene | 1 | ND | | 1.12 | 10.0 | |
| 1912-24-9 | Atrazine | 1 | ND | | | 10.0 | |
| 100-52-7 | Benzaldehyde | 1 | ND | | | 10.0 | |
| 92-87-5 | Benzidine | 1 | ND | | | 30.0 | |
| 56-55-3 | Benzo(a)anthracene | 1 | ND | | 0.785 | 10.0 | |
| 205-99-2 | Benzo(b)fluoranthene | 1 | ND | | 1.27 | 10.0 | |
| 207-08-9 | Benzo(k)fluoranthene | 1 | ND | | 1.27 | 10.0 | |
| 65-85-0 | Benzoic acid | 1 | ND | | 3.78 | 25.0 | |
| 191-24-2 | Benzo(g,h,i)perylene | 1 | ND | | 1.65 | 10.0 | |
| 50-32-8 | Benzo(a)pyrene | 1 | ND | | 1.08 | 10.0 | |
| 100-51-6 | Benzyl alcohol | 1 | ND | | 1.37 | 10.0 | |
| 92-52-4 | Biphenyl (Diphenyl) | 1 | ND | | | 10.0 | |
| 101-55-3 | 4-Bromophenylphenyl ether | 1 | ND | | 0.986 | 10.0 | |
| 85-68-7 | Butylbenzylphthalate | 1 | ND | | 1.20 | 10.0 | |
| 105-60-2 | Caprolactam | 1 | ND | | | 10.0 | |
| 86-74-8 | Carbazole | 1 | ND | | 1.36 | 10.0 | |
| 59-50-7 | 4-Chloro-3-methylphenol | 1 | ND | | 1.26 | 10.0 | |
| 106-47-8 | 4-Chloroaniline | 1 | ND | | 3.13 | 10.0 | |
| 111-91-1 | bis(2-Chloroethoxy)methane | 1 | ND | | 1.16 | 10.0 | |
| 111-44-4 | bis(2-Chloroethyl) ether | 1 | ND | | 1.02 | 10.0 | |
| 91-58-7 | 2-Chloronaphthalene | 1 | ND | | 0.902 | 10.0 | |
| 95-57-8 | 2-Chlorophenol | 1 | ND | | 1.07 | 10.0 | |
| 7005-72-3 | 4-Chlorophenylphenyl ether | 1 | ND | | 0.903 | 10.0 | |
| 218-01-9 | Chrysene | 1 | ND | | 0.894 | 10.0 | |
| 53-70-3 | Dibenz(a,h)anthracene | 1 | ND | | 1.60 | 10.0 | |
| 132-64-9 | Dibenzofuran | 1 | ND | | 0.886 | 10.0 | |
| 91-94-1 | 3,3'-Dichlorobenzidine | 1 | ND | | 5.86 | 20.0 | |
| 120-83-2 | 2,4-Dichlorophenol | 1 | ND | | 0.872 | 10.0 | |
| 84-66-2 | Diethylphthalate | 1 | ND | | 1.00 | 10.0 | |

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1/5/2007 10:15:00

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*Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023*
*Florida Dept. of Health (NELAC) - E87595*
*Kansas Dept. of Health Environment - E-10266*
*U.S. Dept. of Agriculture Foreign Soil Permit - S-47270*

# Report of Laboratory Analysis

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

**Client:** EA Engineering,Science &Tech

**Client ID:** 2WSW6-EPA
**Site:** None
**Project:** Gulfco Marine Superfund Site
**Project No.:** 2064976
**Sample Qu:**
**Lab ID:** 20489238
**Matrix:** Water
**% Moisture:** n/a
**Description:** None
**Prep Level:** Water
**Batch:** 79793
**Method:** 8270 SVOAs Dual pH
**Units:** ug/L
**Target List:** 82702 WL20
**Collected:** 12/06/06
**Received:** 12/08/06
**Prep Factor:** 1
**Prepared:** 12/11/06
**Analyzed:** 12/14/06 16:55 JAM (1)

| CAS Number | Parameter | Dilution | Result | Qu | Adjusted MDL | Reporting Limit | Reg. Limit |
|---|---|---|---|---|---|---|---|
| 105-67-9 | 2,4-Dimethylphenol | 1 | ND | | 4.54 | 10.0 | |
| 131-11-3 | Dimethylphthalate | 1 | ND | | 0.836 | 10.0 | |
| 84-74-2 | Di-n-butylphthalate | 1 | ND | | 1.13 | 10.0 | |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1 | ND | | 1.65 | 10.0 | |
| 51-28-5 | 2,4-Dinitrophenol | 1 | ND | | 1.10 | 10.0 | |
| 121-14-2 | 2,4-Dinitrotoluene | 1 | ND | | 0.879 | 10.0 | |
| 606-20-2 | 2,6-Dinitrotoluene | 1 | ND | | 1.01 | 10.0 | |
| 117-84-0 | Di-n-octylphthalate | 1 | ND | | 1.98 | 10.0 | |
| 122-66-7 | 1,2-Diphenylhydrazine | 1 | ND | | 1.79 | 10.0 | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 1 | ND | | 8.62 | 10.0 | |
| 206-44-0 | Fluoranthene | 1 | ND | | 0.967 | 10.0 | |
| 86-73-7 | Fluorene | 1 | ND | | 0.876 | 10.0 | |
| 118-74-1 | Hexachlorobenzene | 1 | ND | | 1.07 | 10.0 | |
| 77-47-4 | Hexachlorocyclopentadiene | 1 | ND | | 0.750 | 10.0 | |
| 67-72-1 | Hexachloroethane | 1 | ND | | 1.08 | 10.0 | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 1 | ND | | 1.45 | 10.0 | |
| 78-59-1 | Isophorone | 1 | ND | | 1.02 | 10.0 | |
| 91-57-6 | 2-Methylnaphthalene | 1 | ND | | 0.865 | 10.0 | |
| 95-48-7 | 2-Methylphenol (o-Cresol) | 1 | ND | | 2.78 | 10.0 | |
| 88-74-4 | 2-Nitroaniline | 1 | ND | | 0.743 | 10.0 | |
| 99-09-2 | 3-Nitroaniline | 1 | ND | | 4.26 | 10.0 | |
| 100-01-6 | 4-Nitroaniline | 1 | ND | | 2.71 | 10.0 | |
| 98-95-3 | Nitrobenzene | 1 | 4.34 | J | 1.98 | 10.0 | |
| 88-75-5 | 2-Nitrophenol | 1 | ND | | 0.927 | 10.0 | |
| 100-02-7 | 4-Nitrophenol | 1 | ND | | 1.33 | 10.0 | |
| 62-75-9 | N-Nitrosodimethylamine | 1 | ND | | 1.08 | 10.0 | |
| 621-64-7 | N-Nitroso-di-n-propylamine | 1 | ND | | 1.38 | 10.0 | |
| 86-30-6 | N-Nitrosodiphenylamine | 1 | ND | A10 | 3.65 | 10.0 | |
| 108-60-1 | 2,2'-Oxybis(1-chloropropane) | 1 | ND | | 0.986 | 10.0 | |
| 85-01-8 | Phenanthrene | 1 | ND | | 0.881 | 10.0 | |
| 108-95-2 | Phenol | 1 | ND | | 1.55 | 10.0 | |
| 129-00-0 | Pyrene | 1 | ND | | 1.36 | 10.0 | |
| 110-86-1 | Pyridine | 1 | ND | | 2.19 | 10.0 | |

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1/5/2007 10:15:00

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Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Pace Analytical
New Orleans Laboratory

# Report of Laboratory Analysis

**Pace Analytical Services, Inc.**
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

**Client:** EA Engineering,Science &Tech

**Client ID:** 2WSW6-EPA
**Site:** None
**Project:** Gulfco Marine Superfund Site
**Project No.:** 2064976
**Sample Qu:**
**Lab ID:** 20489238
**Matrix:** Water
**% Moisture:** n/a
**Description:** None
**Prep Level:** Water
**Batch:** 79793
**Method:** 8270 SVOAs Dual pH
**Units:** ug/L
**Target List:** 82702 WL20
**Collected:** 12/06/06
**Received:** 12/08/06
**Prep Factor:** 1
**Prepared:** 12/11/06
**Analyzed:** 12/14/06 16:55 JAM (1)

| CAS Number | Parameter | Dilution | Result | Qu | Adjusted MDL | Reporting Limit | Reg. Limit |
|---|---|---|---|---|---|---|---|
| 95-95-4 | 2,4,5-Trichlorophenol | 1 | ND | | 0.814 | 10.0 | |
| 88-06-2 | 2,4,6-Trichlorophenol | 1 | ND | | 0.660 | 10.0 | |

68 compound(s) reported

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New Orleans Laboratory

# Report of Laboratory Analysis

**Pace Analytical Services, Inc.**
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

**Client:** EA Engineering,Science &Tech

**Client ID:** 2WSW6-EPA
**Site:** None
**Project:** Gulfco Marine Superfund Site
**Project No.:** 2064976
**Sample Qu:**
**Lab ID:** 20489238
**Matrix:** Water
**% Moisture:** n/a
**Description:** None
**Prep Level:** Water
**Batch:** 79516
**Method:** 8081 Pests Water
**Units:** ug/L
**Target List:** 8081_WL20
**Collected:** 12/06/06
**Received:** 12/08/06
**Prep Factor:** 1
**Prepared:** 12/12/06
**Analyzed:** 12/18/06 15:55 SLF(1)

| CAS Number | Parameter | Dilution | Result | Qu | Adjusted MDL | Reporting Limit | Reg. Limit |
|---|---|---|---|---|---|---|---|
| 309-00-2 | Aldrin | 1 | ND | | 0.0171 | 0.0500 | |
| 319-84-6 | alpha-BHC | 1 | ND | | 0.00654 | 0.0500 | |
| 319-85-7 | beta-BHC | 1 | ND | | 0.0115 | 0.0500 | |
| 319-86-8 | delta-BHC | 1 | ND | | 0.0141 | 0.0500 | |
| 58-89-9 | gamma-BHC (Lindane) | 1 | ND | | 0.00637 | 0.0500 | |
| 5103-71-9 | alpha-Chlordane | 1 | ND | | 0.0142 | 0.0500 | |
| 5103-74-2 | gamma-Chlordane | 1 | ND | | 0.0429 | 0.0500 | |
| 72-54-8 | 4,4'-DDD | 1 | ND | | 0.0180 | 0.100 | |
| 72-55-9 | 4,4'-DDE | 1 | ND | | 0.00793 | 0.100 | |
| 50-29-3 | 4,4'-DDT | 1 | ND | | 0.0249 | 0.100 | |
| 60-57-1 | Dieldrin | 1 | ND | | 0.00521 | 0.100 | |
| 959-98-8 | Endosulfan I | 1 | ND | | 0.0200 | 0.0500 | |
| 33213-65-9 | Endosulfan II | 1 | ND | | 0.0145 | 0.100 | |
| 1031-07-8 | Endosulfan sulfate | 1 | ND | | 0.00749 | 0.100 | |
| 72-20-8 | Endrin | 1 | ND | | 0.0128 | 0.100 | |
| 7421-93-4 | Endrin aldehyde | 1 | ND | | 0.0144 | 0.100 | |
| 53494-70-5 | Endrin ketone | 1 | ND | | 0.0629 | 0.100 | |
| 76-44-8 | Heptachlor | 1 | ND | | 0.00949 | 0.0500 | |
| 1024-57-3 | Heptachlor epoxide | 1 | ND | | 0.00469 | 0.0500 | |
| 72-43-5 | Methoxychlor | 1 | ND | | 0.0780 | 0.500 | |
| 8001-35-2 | Toxaphene | 1 | ND | | | 2.00 | |

21 compound(s) reported

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1/5/2007 10:15:02

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# Report of Laboratory Analysis

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

**Client:** EA Engineering,Science &Tech

**Client ID:** 2WSW6-EPA
**Site:** None
**Project:** Gulfco Marine Superfund Site
**Project No.:** 2064976
**Sample Qu:**
**Lab ID:** 20489238
**Matrix:** Water
**% Moisture:** n/a
**Description:** None
**Prep Level:** Water
**Batch:** 79789
**Method:** 8082 PCBs Water
**Units:** ug/L
**Target List:** 8082_WL20
**Collected:** 12/06/06
**Received:** 12/08/06
**Prep Factor:** 1
**Prepared:** 12/12/06
**Analyzed:** 12/19/06 12:13 SLF(1)

| CAS Number | Parameter | Dilution | Result | Qu | Adjusted MDL | Reporting Limit | Reg. Limit |
|---|---|---|---|---|---|---|---|
| 12674-11-2 | PCB-1016 (Aroclor 1016) | 1 | ND | | 0.169 | 1.00 | |
| 11104-28-2 | PCB-1221 (Aroclor 1221) | 1 | ND | | 0.200 | 1.00 | |
| 11141-16-5 | PCB-1232 (Aroclor 1232) | 1 | ND | | 0.200 | 1.00 | |
| 53469-21-9 | PCB-1242 (Aroclor 1242) | 1 | ND | | 0.200 | 1.00 | |
| 12672-29-6 | PCB-1248 (Aroclor 1248) | 1 | ND | | 0.200 | 1.00 | |
| 11097-69-1 | PCB-1254 (Aroclor 1254) | 1 | ND | | 0.200 | 1.00 | |
| 11096-82-5 | PCB-1260 (Aroclor 1260) | 1 | ND | | 0.112 | 1.00 | |

7 compound(s) reported

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Phone: 504.469.0333
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LELAP # 02006

**Client ID:** 2WSW6-EPA
**Client:** EA Engineering,Science &Tech
**Project:** Gulfco Marine Superfund Site
**Site:** None
**Lab ID:** 20489238
**Project No.:** 2064976
**Description:** None
**Matrix:** Water
**%Moisture:** n/a
**Collected:** 12/06/06
**Received:** 12/08/06

| ParameterName | Method | Batch | DF | Result | Qu | Units | Adjusted MDL | Reporting Limit | Prep. | Analysis | | Reg. Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aluminum | EPA 6010 | 80238 | 1 | 1720 | | ug/L | 41.3 | 200. | 12/20 | 12/21 14:08 | KJR (1) | |
| Antimony | EPA 6010 | 80238 | 1 | ND | | ug/L | 11.1 | 60.0 | 12/20 | 12/21 14:08 | KJR (1) | |
| Arsenic | EPA 6010 | 80238 | 1 | 8.33 | J | ug/L | 6.05 | 10.0 | 12/20 | 12/21 14:08 | KJR (1) | |
| Barium | EPA 6010 | 80238 | 1 | 322. | | ug/L | 7.06 | 200. | 12/20 | 12/21 14:08 | KJR (1) | |
| Beryllium | EPA 6010 | 80238 | 1 | ND | | ug/L | 0.380 | 5.00 | 12/20 | 12/21 14:08 | KJR (1) | |
| Boron | EPA 6010 | 80238 | 1 | 583. | | ug/L | 8.82 | 50.0 | 12/20 | 12/21 14:08 | KJR (1) | |
| Cadmium | EPA 6010 | 80238 | 1 | 0.616 | J | ug/L | 0.374 | 5.00 | 12/20 | 12/21 14:08 | KJR (1) | |
| Cobalt | EPA 6010 | 80238 | 1 | ND | | ug/L | 1.95 | 10.0 | 12/20 | 12/21 14:08 | KJR (1) | |
| Copper | EPA 6010 | 80238 | 1 | ND | | ug/L | 3.18 | 10.0 | 12/20 | 12/21 14:08 | KJR (1) | |
| Iron | EPA 6010 | 80238 | 1 | 1350 | | ug/L | 49.5 | 100. | 12/20 | 12/21 14:08 | KJR (1) | |
| Lead | EPA 6010 | 80238 | 1 | ND | | ug/L | 2.90 | 5.00 | 12/20 | 12/21 14:08 | KJR (1) | |
| Lithium | EPA 6010 | 80238 | 1 | 56.1 | | ug/L | 6.62 | 50.0 | 12/20 | 12/21 14:08 | KJR (1) | |
| Manganese | EPA 6010 | 80238 | 1 | 290. | | ug/L | 9.84 | 15.0 | 12/20 | 12/21 14:08 | KJR (1) | |
| Mercury | EPA 7470 | 80237 | 1 | ND | | ug/L | 0.0111 | 0.200 | 12/20 | 12/20 12:08 | KDG (1) | |
| Nickel | EPA 6010 | 80238 | 1 | ND | | ug/L | 28.6 | 40.0 | 12/20 | 12/21 14:08 | KJR (1) | |
| Selenium | EPA 6010 | 80238 | 1 | 41.9 | | ug/L | 5.91 | 35.0 | 12/20 | 12/21 14:08 | KJR (1) | |
| Silver | EPA 6010 | 80238 | 1 | ND | | ug/L | 1.50 | 10.0 | 12/20 | 12/21 14:08 | KJR (1) | |
| Thallium | EPA 6010 | 80238 | 1 | 5.00 | J | ug/L | 4.31 | 10.0 | 12/20 | 12/21 14:08 | KJR (1) | |
| Titanium | EPA 6010 | 80238 | 1 | 21.2 | | ug/L | 0.512 | 10.0 | 12/20 | 12/21 14:08 | KJR (1) | |
| Zinc | EPA 6010 | 80238 | 1 | 28.9 | | ug/L | 2.62 | 20.0 | 12/20 | 12/21 14:08 | KJR (1) | |

20 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
(1b) Flash point less than 140 degrees F is hazardous for ignitibility.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

1/5/2007 10:15:04

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Pace Analytical®
New Orleans Laboratory

# Report of Laboratory Analysis

**Pace Analytical Services, Inc.**
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

**Client:** EA Engineering,Science &Tech

**Client ID:** TRIP BLANK
**Site:** None
**Project:** Gulfco Marine Superfund Site
**Project No.:** 2064976
**Sample Qu:**
**Lab ID:** 20489239
**Matrix:** Water
**% Moisture:** n/a
**Description:** None
**Prep Level:** Water
**Batch:** 80059
**Method:** 8260 VOAs Full List Water
**Units:** ug/L
**Target List:** 826F_WL20
**Collected:** 12/06/06
**Received:** 12/08/06
**Prep Factor:** 1
**Prepared:** 12/18/06
**Analyzed:** 12/18/06 16:08 RMP (1)

| CAS Number | Parameter | Dilution | Result | Qu | Adjusted MDL | Reporting Limit | Reg. Limit |
|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | 1 | ND | A11 | 5.90 | 10.0 | |
| 107-02-8 | Acrolein | 1 | ND | | 9.10 | 20.0 | |
| 107-13-1 | Acrylonitrile | 1 | ND | | 4.90 | 20.0 | |
| 71-43-2 | Benzene | 1 | ND | | 0.117 | 5.00 | |
| 108-86-1 | Bromobenzene | 1 | ND | | 0.156 | 5.00 | |
| 75-27-4 | Bromodichloromethane | 1 | ND | | 0.206 | 5.00 | |
| 75-25-2 | Bromoform | 1 | ND | | 0.259 | 5.00 | |
| 74-83-9 | Bromomethane | 1 | ND | | 1.94 | 5.00 | |
| 71-36-3 | n-Butanol | 1 | ND | | | 200. | |
| 78-93-3 | 2-Butanone (MEK) | 1 | ND | A11 | 2.25 | 10.0 | |
| 104-51-8 | n-Butylbenzene | 1 | ND | | 0.0819 | 5.00 | |
| 135-98-8 | sec-Butylbenzene | 1 | ND | | 0.0410 | 5.00 | |
| 98-06-6 | tert-Butylbenzene | 1 | ND | | 0.0660 | 5.00 | |
| 75-15-0 | Carbon disulfide | 1 | ND | | 0.257 | 5.00 | |
| 56-23-5 | Carbon tetrachloride | 1 | ND | | 0.592 | 5.00 | |
| 108-90-7 | Chlorobenzene | 1 | ND | | 0.119 | 5.00 | |
| 75-00-3 | Chloroethane | 1 | ND | | 0.647 | 5.00 | |
| 110-75-8 | 2-Chloroethylvinyl ether | 1 | ND | | 1.11 | 20.0 | |
| 67-66-3 | Chloroform | 1 | ND | | 0.479 | 5.00 | |
| 74-87-3 | Chloromethane | 1 | ND | | 0.305 | 5.00 | |
| 95-49-8 | 2-Chlorotoluene | 1 | ND | | 0.0906 | 5.00 | |
| 106-43-4 | 4-Chlorotoluene | 1 | ND | | 0.0916 | 5.00 | |
| 110-82-7 | Cyclohexane | 1 | ND | | 0.464 | 5.00 | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 1 | ND | | 1.22 | 5.00 | |
| 124-48-1 | Dibromochloromethane | 1 | ND | | 0.145 | 5.00 | |
| 106-93-4 | 1,2-Dibromoethane (EDB) | 1 | ND | | 0.669 | 5.00 | |
| 74-95-3 | Dibromomethane | 1 | ND | | 1.39 | 5.00 | |
| 95-50-1 | 1,2-Dichlorobenzene | 1 | ND | | 0.115 | 5.00 | |
| 541-73-1 | 1,3-Dichlorobenzene | 1 | ND | | 0.0894 | 5.00 | |
| 106-46-7 | 1,4-Dichlorobenzene | 1 | ND | | 0.139 | 5.00 | |
| 110-57-6 | trans-1,4-Dichloro-2-butene | 1 | ND | | 1.86 | 5.00 | |
| 75-71-8 | Dichlorodifluoromethane | 1 | ND | | 0.818 | 5.00 | |
| 75-34-3 | 1,1-Dichloroethane | 1 | ND | | 0.515 | 5.00 | |

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of extract. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit denotes an actual regulatory limit or a client-requested notification limit.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

1/5/2007 10:15:00

*New Orleans Laboratory Certifications*
*Louisiana Dept. of Environmental Quality (LELAP) - 02006*
*Arkansas Dept. of Environmental Quality - 88-0681*
*Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023*
*Florida Dept. of Health (NELAC) - E87595*
*Kansas Dept. of Health Environment - E-10266*
*U.S. Dept. of Agriculture Foreign Soil Permit - S-47270*

# Report of Laboratory Analysis

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Pace Analytical® New Orleans Laboratory

**Client:** EA Engineering,Science &Tech

**Client ID:** TRIP BLANK
**Site:** None
**Project:** Gulfco Marine Superfund Site
**Project No.:** 2064976
**Sample Qu:**
**Lab ID:** 20489239
**Matrix:** Water
**% Moisture:** n/a
**Description:** None
**Prep Level:** Water
**Batch:** 80059
**Method:** 8260 VOAs Full List Water
**Units:** ug/L
**Target List:** 826F_WL20
**Collected:** 12/06/06
**Received:** 12/08/06
**Prep Factor:** 1
**Prepared:** 12/18/06
**Analyzed:** 12/18/06 16:08 RMP (1)

| CAS Number | Parameter | Dilution | Result | Qu | Adjusted MDL | Reporting Limit | Reg. Limit |
|---|---|---|---|---|---|---|---|
| 107-06-2 | 1,2-Dichloroethane | 1 | ND | | 0.212 | 5.00 | |
| 540-59-0 | 1,2-Dichloroethene (Total) | 1 | ND | | 0.839 | 10.0 | |
| 75-35-4 | 1,1-Dichloroethene | 1 | ND | | 0.493 | 5.00 | |
| 156-59-2 | cis-1,2-Dichloroethene | 1 | ND | | 0.394 | 5.00 | |
| 156-60-5 | trans-1,2-Dichloroethene | 1 | ND | | 0.733 | 5.00 | |
| 78-87-5 | 1,2-Dichloropropane | 1 | ND | | 0.328 | 5.00 | |
| 142-28-9 | 1,3-Dichloropropane | 1 | ND | | 0.239 | 5.00 | |
| 594-20-7 | 2,2-Dichloropropane | 1 | ND | | 0.855 | 5.00 | |
| 563-58-6 | 1,1-Dichloropropene | 1 | ND | | 0.342 | 5.00 | |
| 10061-01-5 | cis-1,3-Dichloropropene | 1 | ND | | 0.0869 | 5.00 | |
| 10061-02-6 | trans-1,3-Dichloropropene | 1 | ND | | 0.216 | 5.00 | |
| 87-68-3 | Hexachloro-1,3-butadiene | 1 | ND | | 0.246 | 5.00 | |
| 591-78-6 | 2-Hexanone | 1 | ND | | 0.468 | 10.0 | |
| 74-88-4 | Iodomethane | 1 | ND | | 0.621 | 5.00 | |
| 98-82-8 | Isopropylbenzene (Cumene) | 1 | ND | | 0.0368 | 5.00 | |
| 99-87-6 | p-Isopropyltoluene | 1 | ND | | 0.0504 | 5.00 | |
| 79-20-9 | Methyl acetate | 1 | ND | | 2.47 | 10.0 | |
| 108-87-2 | Methylcyclohexane | 1 | ND | | 1.60 | 10.0 | |
| 75-09-2 | Methylene chloride | 1 | ND | A11 | 0.710 | 5.00 | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | 1 | ND | | 0.872 | 10.0 | |
| 103-65-1 | n-Propylbenzene | 1 | ND | | 0.0768 | 5.00 | |
| 100-42-5 | Styrene | 1 | ND | | 0.0763 | 5.00 | |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | 1 | ND | | 0.291 | 5.00 | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1 | ND | | 0.238 | 5.00 | |
| 127-18-4 | Tetrachloroethene | 1 | ND | | 0.162 | 5.00 | |
| 108-88-3 | Toluene | 1 | ND | | 0.131 | 5.00 | |
| 100-41-4 | Ethylbenzene | 1 | ND | | 0.119 | 5.00 | |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1 | ND | | 0.254 | 5.00 | |
| 71-55-6 | 1,1,1-Trichloroethane | 1 | ND | | 0.609 | 5.00 | |
| 79-00-5 | 1,1,2-Trichloroethane | 1 | ND | | 0.328 | 5.00 | |
| 79-01-6 | Trichloroethene | 1 | ND | | 0.168 | 5.00 | |
| 75-69-4 | Trichlorofluoromethane | 1 | ND | | 1.57 | 5.00 | |
| 96-18-4 | 1,2,3-Trichloropropane | 1 | ND | | 1.49 | 5.00 | |

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Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit denotes an actual regulatory limit or a client-requested notification limit.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

1/5/2007 10:15:00

*New Orleans Laboratory Certifications*
*Louisiana Dept. of Environmental Quality (LELAP) - 02006*
*Arkansas Dept. of Environmental Quality - 88-0681*
*Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023*
*Florida Dept. of Health (NELAC) - E87595*
*Kansas Dept. of Health Environment - E-10266*
*U.S. Dept. of Agriculture Foreign Soil Permit - S-47270*

# Report of Laboratory Analysis

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Pace Analytical® New Orleans Laboratory

**Client:** EA Engineering,Science &Tech

**Client ID:** TRIP BLANK
**Site:** None
**Project:** Gulfco Marine Superfund Site
**Project No.:** 2064976
**Sample Qu:**
**Lab ID:** 20489239
**Matrix:** Water
**% Moisture:** n/a
**Description:** None
**Prep Level:** Water
**Batch:** 80059
**Method:** 8260 VOAs Full List Water
**Units:** ug/L
**Target List:** 826F_WL20
**Collected:** 12/06/06
**Received:** 12/08/06
**Prep Factor:** 1
**Prepared:** 12/18/06
**Analyzed:** 12/18/06 16:08 RMP (1)

| CAS Number | Parameter | Dilution | Result | Qu | Adjusted MDL | Reporting Limit | Reg. Limit |
|---|---|---|---|---|---|---|---|
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1 | ND | | 0.381 | 5.00 | |
| 95-63-6 | 1,2,4-Trimethylbenzene | 1 | ND | | 0.0844 | 5.00 | |
| 108-67-8 | 1,3,5-Trimethylbenzene | 1 | ND | | 0.0614 | 5.00 | |
| 108-05-4 | Vinyl acetate | 1 | ND | | 0.686 | 10.0 | |
| 75-01-4 | Vinyl chloride | 1 | ND | | 0.463 | 5.00 | |
| | m&p-Xylene | 1 | ND | | 0.151 | 5.00 | |
| 95-47-6 | o-Xylene | 1 | ND | | 0.142 | 5.00 | |
| 1634-04-4 | Methyl-tert-butyl ether | 1 | ND | | 0.381 | 5.00 | |

**74 compound(s) reported**

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of extract. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit denotes an actual regulatory limit or a client-requested notification limit.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

1/5/2007 10:15:00

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*Louisiana Dept. of Environmental Quality (LELAP) - 02006*
*Arkansas Dept. of Environmental Quality - 88-0681*
*Louisiana Dept. of Health and Hospitals / Drinking Water - LA050023*
*Florida Dept. of Health (NELAC) - E87595*
*Kansas Dept. of Health Environment - E-10266*
*U.S. Dept. of Agriculture Foreign Soil Permit - S-47270*

Pace Analytical®
New Orleans Laboratory

# Report of Batch Surrogate Recovery

*Pace Analytical Services, Inc.*
*1000 Riverbend Blvd. Suite F*
*St. Rose , LA 70087*

*Phone: 504.469.0333*
*Fax: 504.469.0555*
*LELAP # 02006*

**Report: 2064976** **Batch: 80059**

| Lab ID | Type and Qualifiers | Sur 1 %Rec | Sur 2 %Rec | Sur 3 %Rec | Sur 4 %Rec | Sur 5 %Rec | Sur 6 %Rec | Sur 7 %Rec | Sur 8 %Rec |
|---|---|---|---|---|---|---|---|---|---|
| 20489238 | Sample | 105 | 105 | 99 | | | | | |
| 20489239 | Sample | 110 | 103 | 99 | | | | | |
| 20490721 | BLANK | 96 | 103 | 102 | | | | | |
| 20490722 | LCS | 86 | 98 | 102 | | | | | |
| 20490723 | MS | 85 | 89 | 102 | | | | | |
| 20490724 | MSD | 87 | 103 | 102 | | | | | |
| 20491322 | BLANK | 109 | 117 | 92 | | | | | |
| 20491323 | LCS | 91 | 106 | 95 | | | | | |
| | QC limits: | 71-129 | 68-124 | 74-122 | | | | | |

Sur 1: 4-Bromofluorobenzene (S)
Sur 2: Dibromofluoromethane (S)
Sur 3: Toluene-d8 (S)

* denotes surrogate recovery outside of QC limits.
D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.
A Lab ID consisting of a batch number with a B suffix is a method blank.
A Lab ID consisting of a batch number with a S suffix is an LCS.
A Lab ID with a MS suffix is a matrix spike.
A Lab ID with a MSD suffix is a matrix spike duplicate.

1/5/2007 10:15:08

*New Orleans Laboratory Certifications*
*Louisiana Dept. of Environmental Quality (LELAP) - 02006*
*Arkansas Dept. of Environmental Quality - 88-0681*
*Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023*
*Florida Dept. of Health (NELAC) - E87595*
*Kansas Dept. of Health Environment - E-10266*
*U.S. Dept. of Agriculture Foreign Soil Permit - S-47270*

Pace Analytical®
New Orleans Laboratory

# Report of Batch Surrogate Recovery

**Pace Analytical Services, Inc.**
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

**Report: 2064976** **Batch: 79793**

| Lab ID | Type and Qualifiers | Sur 1 %Rec | Sur 2 %Rec | Sur 3 %Rec | Sur 4 %Rec | Sur 5 %Rec | Sur 6 %Rec | Sur 7 %Rec | Sur 8 %Rec |
|---|---|---|---|---|---|---|---|---|---|
| 20488920 | OQS | 44 | 74 | 30 | 75 | 41 | 90 | | |
| 20489238 | Sample | 43 | 79 | 32 | 80 | 59 | 99 | | |
| 20489336 | BLANK | 91 | 84 | 71 | 80 | 73 | 107 | | |
| 20489337 | LCS | 96 | 100 | 79 | 96 | 80 | 81 | | |
| 20489338 | MS | 102 | 97 | 68 | 100 | 78 | 63 | | |
| 20489339 | MSD | 101 | 88 | 62 | 92 | 80 | 74 | | |
| | QC limits: | 25-133 | 36-108 | 10-109 | 21-120 | 15-113 | 17-130 | | |

Sur 1: 2,4,6-Tribromophenol (S)
Sur 2: 2-Fluorobiphenyl (S)
Sur 3: 2-Fluorophenol (S)
Sur 4: Nitrobenzene-d5 (S)
Sur 5: Phenol-d5 (S)
Sur 6: Terphenyl-d14 (S)

* denotes surrogate recovery outside of QC limits.
D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.
A Lab ID consisting of a batch number with a B suffix is a method blank.
A Lab ID consisting of a batch number with a S suffix is an LCS.
A Lab ID with a MS suffix is a matrix spike.
A Lab ID with a MSD suffix is a matrix spike duplicate.

1/5/2007 10:15:08

*New Orleans Laboratory Certifications*
*Louisiana Dept. of Environmental Quality (LELAP) - 02006*
*Arkansas Dept. of Environmental Quality - 88-0681*
*Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023*
*Florida Dept. of Health (NELAC) - E87595*
*Kansas Dept. of Health Environment - E-10266*
*U.S. Dept. of Agriculture Foreign Soil Permit - S-47270*

Pace Analytical®
New Orleans Laboratory

# Report of Batch Surrogate Recovery

*Pace Analytical Services, Inc.*
*1000 Riverbend Blvd. Suite F*
*St. Rose , LA 70087*

*Phone: 504.469.0333*
*Fax: 504.469.0555*
*LELAP # 02006*

**Report: 2064976** **Batch: 79516**

| Lab ID | Type and Qualifiers | Sur 1 %Rec | Sur 2 %Rec | Sur 3 %Rec | Sur 4 %Rec | Sur 5 %Rec | Sur 6 %Rec | Sur 7 %Rec | Sur 8 %Rec |
|---|---|---|---|---|---|---|---|---|---|
| 20487405 | OQS | 74 | 58 | 54 | 58 | | | | |
| 20487818 | BLANK | 76 | 73 | 48 | 51 | | | | |
| 20487819 | LCS | 69 | 74 | 54 | 52 | | | | |
| 20487820 | MS | 75 | 70 | 60 | 56 | | | | |
| 20487821 | MSD | 46 | 33 | 34 | 37 | | | | |
| 20489238 | Sample | 69 | 70 | 53 | 60 | | | | |
| 20489672 | BLANK | 69 | 72 | 56 | 65 | | | | |
| 20489673 | LCS | 61 | 65 | 57 | 58 | | | | |
| QC limits: | | 10-157 | 10-157 | 18-171 | 18-171 | | | | |

Sur 1: Decachlorobiphenyl (Conf)(S)
Sur 2: Decachlorobiphenyl (S)
Sur 3: Tetrachloro-m-xylene (Conf)(S)
Sur 4: Tetrachloro-m-xylene (S)

* denotes surrogate recovery outside of QC limits.
D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.
A Lab ID consisting of a batch number with a B suffix is a method blank.
A Lab ID consisting of a batch number with a S suffix is an LCS.
A Lab ID with a MS suffix is a matrix spike.
A Lab ID with a MSD suffix is a matrix spike duplicate.

1/5/2007 10:15:15

*New Orleans Laboratory Certifications*
*Louisiana Dept. of Environmental Quality (LELAP) - 02006*
*Arkansas Dept. of Environmental Quality - 88-0681*
*Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023*
*Florida Dept. of Health (NELAC) - E87595*
*Kansas Dept. of Health Environment - E-10266*
*U.S. Dept. of Agriculture Foreign Soil Permit - S-47270*

# Report of Batch Surrogate Recovery

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

**Report:** 2064976 **Batch:** 79789

| Lab ID | Type and Qualifiers | Sur 1 %Rec | Sur 2 %Rec | Sur 3 %Rec | Sur 4 %Rec | Sur 5 %Rec | Sur 6 %Rec | Sur 7 %Rec | Sur 8 %Rec |
|---|---|---|---|---|---|---|---|---|---|
| 20489238 | Sample | 82 | 82 | 60 | 62 | | | | |
| 20489322 | BLANK | 79 | 71 | 54 | 51 | | | | |
| 20489323 | LCS | 86 | 80 | 64 | 59 | | | | |
| 20489674 | BLANK | 64 | 72 | 50 | 46 | | | | |
| 20489675 | LCS | 66 | 70 | 62 | 56 | | | | |
| | QC limits: | 10-157 | 10-157 | 18-171 | 18-171 | | | | |

Sur 1: Decachlorobiphenyl (Conf)(S)
Sur 2: Decachlorobiphenyl (S)
Sur 3: Tetrachloro-m-xylene (Conf)(S)
Sur 4: Tetrachloro-m-xylene (S)

* denotes surrogate recovery outside of QC limits.
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A Lab ID with a MS suffix is a matrix spike.
A Lab ID with a MSD suffix is a matrix spike duplicate.

1/5/2007 10:15:15

*New Orleans Laboratory Certifications*
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*Kansas Dept. of Health Environment - E-10266*
*U.S. Dept. of Agriculture Foreign Soil Permit - S-47270*

Pace Analytical*
New Orleans Laboratory

# Report of Quality Control

**Pace Analytical Services, Inc.**
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

**Method:** EPA 8260 **Project:** 2064976 **LCS:** 20490722 12/18/2006 1:45:00 PM

**Batch:** 80059 **MS:** 20490723 12/18/2006 2:50:00 PM

**Units:** ug/L **Original for MS:** 20489231 Batch Sample

| Parameter Name | LCS Spike | LCS %Rec | LCSD %Rec | LCS RPD | MS Spike | MS %Rec | MSD %Rec | (1)MS RPD | QC Limits LCS | QC Limits MS/MSD | Max RPD | Qu |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Acetone ~ UJ | 50 | 157 | | | 50 | 94 | 150 | 45 * | 22 - 165 | 11 - 171 | 20 | A11 |
| Acrolein ~ R | 100 | 68 | | | 100 | 48 | 7 * | 151 * | 10 - 150 | 10 - 150 | 20 | |
| Acrylonitrile ~ UJ | 150 | 139 | | | 150 | 88 | 130 | 39 * | 10 - 150 | 10 - 150 | 20 | |
| Benzene | 50 | 97 | | | 50 | 98 | 86 | 13 | 70 - 135 | 60 - 144 | 20 | |
| Bromobenzene | 50 | 88 | | | 50 | 88 | 80 | 10 | 72 - 127 | 73 - 139 | 20 | |
| Bromodichloromethane | 50 | 102 | | | 50 | 93 | 91 | 2 | 61 - 156 | 59 - 156 | 20 | |
| Bromoform | 50 | 103 | | | 50 | 80 | 92 | 14 | 56 - 154 | 50 - 153 | 20 | |
| Bromomethane | 50 | 83 | | | 50 | 89 | 78 | 13 | 44 - 158 | 37 - 165 | 20 | |
| 2-Butanone (MEK) ~ UJ | 50 | 147 | | | 50 | 95 | 143 | 40 * | 32 - 157 | 20 - 168 | 20 | A11 |
| n-Butylbenzene | 50 | 88 | | | 50 | 97 | 74 | 27 * | 61 - 140 | 59 - 146 | 20 | |
| sec-Butylbenzene | 50 | 84 | | | 50 | 94 | 73 | 25 * | 66 - 136 | 63 - 142 | 20 | |
| tert-Butylbenzene | 50 | 98 | | | 50 | 106 | 85 | 21 * | 56 - 145 | 58 - 153 | 20 | |
| Carbon disulfide | 50 | 99 | | | 50 | 104 | 93 | 12 | 40 - 147 | 36 - 152 | 20 | |
| Carbon tetrachloride | 50 | 104 | | | 50 | 110 | 93 | 18 | 50 - 166 | 44 - 170 | 20 | |
| Chlorobenzene | 50 | 91 | | | 50 | 94 | 82 | 14 | 73 - 129 | 67 - 134 | 20 | |
| Chloroethane | 50 | 128 | | | 50 | 136 | 119 | 13 | 38 - 163 | 34 - 170 | 20 | |
| Chloroform | 50 | 101 | | | 50 | 97 | 93 | 4 | 71 - 133 | 64 - 140 | 20 | |
| Chloromethane | 50 | 86 | | | 50 | 88 | 79 | 10 | 32 - 149 | 22 - 163 | 20 | |
| 2-Chlorotoluene | 50 | 77 | | | 50 | 81 | 71 | 13 | 67 - 136 | 62 - 146 | 20 | |
| 4-Chlorotoluene | 50 | 83 | | | 50 | 89 | 74 | 18 | 67 - 133 | 38 - 156 | 20 | |
| Cyclohexane | 50 | 91 | | | 50 | 95 | 82 | 14 | 63 - 113 | 70 - 130 | 20 | |
| 1,2-Dibromo-3-chloropropane | 50 | 106 | | | 50 | 75 | 96 | 24 * | 34 - 145 | 28 - 150 | 20 | |
| Dibromochloromethane | 50 | 96 | | | 50 | 82 | 87 | 6 | 63 - 147 | 58 - 147 | 20 | |
| 1,2-Dibromoethane (EDB) | 50 | 123 | | | 50 | 93 | 110 | 17 | 60 - 147 | 55 - 149 | 20 | |
| Dibromomethane | 50 | 108 | | | 50 | 87 | 100 | 14 | 60 - 147 | 56 - 148 | 20 | |
| 1,2-Dichlorobenzene | 50 | 84 | | | 50 | 82 | 76 | 8 | 67 - 135 | 61 - 139 | 20 | |
| 1,3-Dichlorobenzene | 50 | 83 | | | 50 | 86 | 74 | 16 | 69 - 129 | 66 - 134 | 20 | |
| 1,4-Dichlorobenzene | 50 | 84 | | | 50 | 86 | 75 | 13 | 66 - 133 | 64 - 133 | 20 | |
| trans-1,4-Dichloro-2-butene | 100 | 103 | | | 100 | 79 | 94 | 17 | 17 - 178 | 21 - 164 | 20 | |
| 1,1-Dichloroethane | 50 | 102 | | | 50 | 102 | 94 | 9 | 64 - 135 | 59 - 142 | 20 | |
| 1,2-Dichloroethane | 50 | 117 | | | 50 | 101 | 106 | 6 | 53 - 164 | 51 - 161 | 20 | |
| 1,1-Dichloroethene | 50 | 99 | | | 50 | 104 | 93 | 11 | 51 - 143 | 44 - 152 | 20 | |
| cis-1,2-Dichloroethene | 50 | 91 | | | 50 | 88 | 85 | 4 | 59 - 139 | 56 - 145 | 20 | |
| trans-1,2-Dichloroethene | 50 | 96 | | | 50 | 100 | 90 | 10 | 59 - 139 | 56 - 145 | 20 | |
| 1,2-Dichloropropane | 50 | 109 | | | 50 | 105 | 100 | 4 | 69 - 135 | 66 - 138 | 20 | |
| 1,3-Dichloropropane | 50 | 103 | | | 50 | 86 | 93 | 7 | 71 - 131 | 60 - 140 | 20 | |
| 2,2-Dichloropropane | 50 | 102 | | | 50 | 105 | 93 | 13 | 52 - 138 | 53 - 139 | 20 | |
| 1,1-Dichloropropene | 50 | 103 | | | 50 | 108 | 90 | 19 | 64 - 140 | 64 - 142 | 20 | |
| cis-1,3-Dichloropropene | 50 | 117 | | | 50 | 105 | 105 | 0 | 66 - 141 | 58 - 142 | 20 | |

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* denotes recovery outside of QC limits.
MS spike concentrations are not corrected for moisture content of the spiked sample.
(1) MS RPD is calculated via SW-846 rules: on the basis of spiked sample concentrations rather than spike recoveries.

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# Report of Quality Control

**Pace Analytical Services, Inc.**
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

. Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

**Method:** EPA 8260 **Project:** 2064976 **LCS:** 20490722 12/18/2006 1:45:00 PM

**Batch:** 80059 **MS:** 20490723 12/18/2006 2:50:00 PM

**Units:** ug/L **Original for MS:** 20489231 Batch Sample

| Parameter Name | LCS Spike | LCS %Rec | LCSD %Rec | LCS RPD | MS Spike | MS %Rec | MSD %Rec | (1)MS RPD | QC Limits LCS | QC Limits MS/MSD | Max RPD | Qu |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| trans-1,3-Dichloropropene | 50 | 118 | | | 50 | 99 | 107 | 8 | 57 - 150 | 50 - 151 | 20 | |
| Ethylbenzene | 50 | 87 | | | 50 | 94 | 77 | 20 | 67 - 132 | 58 - 138 | 20 | |
| Hexachloro-1,3-butadiene | 50 | 76 | | | 50 | 80 | 62 | 24 * | 49 - 167 | 27 - 195 | 20 | |
| 2-Hexanone | 50 | 134 | | | 50 | 93 | 125 | 29 * | 36 - 154 | 25 - 163 | 20 | |
| Iodomethane | 50 | 89 | | | 50 | 89 | 84 | 6 | 43 - 159 | 36 - 160 | 20 | |
| Isopropylbenzene (Cumene) | 50 | 88 | | | 50 | 98 | 77 | 24 * | 55 - 133 | 45 - 143 | 20 | |
| p-Isopropyltoluene | 50 | 83 | | | 50 | 92 | 75 | 21 * | 66 - 133 | 67 - 135 | 20 | |
| Methylcyclohexane | 50 | 94 | | | 50 | 99 | 83 | 18 | 70 - 130 | 70 - 130 | 20 | |
| Methylene chloride | 50 | 85 | | | 50 | 74 | 75 | 1 | 29 - 159 | 19 - 158 | 20 | A11 |
| 4-Methyl-2-pentanone (MIBK) | 50 | 143 | | | 50 | 100 | 133 | 28 * | 13 - 162 | 10 - 157 | 20 | |
| Methyl-tert-butyl ether | 50 | 129 | | | 50 | 99 | 121 | 20 | 48 - 145 | 39 - 157 | 20 | |
| n-Propylbenzene | 50 | 84 | | | 50 | 94 | 73 | 25 * | 66 - 135 | 61 - 143 | 20 | |
| Styrene | 50 | 96 | | | 50 | 97 | 85 | 13 | 71 - 134 | 54 - 144 | 20 | |
| 1,1,1,2-Tetrachloroethane | 50 | 92 | | | 50 | 92 | 83 | 10 | 73 - 146 | 65 - 150 | 20 | |
| 1,1,2,2-Tetrachloroethane | 50 | 100 | | | 50 | 78 | 91 | 16 | 50 - 142 | 46 - 145 | 20 | |
| Tetrachloroethene | 50 | 87 | | | 50 | 96 | 77 | 22 * | 42 - 156 | 39 - 151 | 20 | |
| Toluene | 50 | 95 | | | 50 | 97 | 84 | 14 | 72 - 132 | 64 - 139 | 20 | |
| 1,2,4-Trichlorobenzene | 50 | 74 | | | 50 | 71 | 66 | 7 | 56 - 144 | 46 - 149 | 20 | |
| 1,1,1-Trichloroethane | 50 | 98 | | | 50 | 101 | 89 | 13 | 65 - 136 | 59 - 141 | 20 | |
| 1,1,2-Trichloroethane | 50 | 111 | | | 50 | 88 | 101 | 14 | 67 - 144 | 60 - 146 | 20 | |
| Trichloroethene | 50 | 95 | | | 50 | 98 | 85 | 14 | 69 - 136 | 61 - 141 | 20 | |
| Trichlorofluoromethane | 50 | 97 | | | 50 | 104 | 93 | 11 | 42 - 161 | 38 - 160 | 20 | |
| 1,2,3-Trichloropropane | 50 | 105 | | | 50 | 82 | 99 | 18 | 52 - 152 | 51 - 151 | 20 | |
| 1,1,2-Trichlorotrifluoroethane | 50 | 82 | | | 50 | 88 | 77 | 13 | 44 - 147 | 20 - 174 | 20 | |
| 1,2,4-Trimethylbenzene | 50 | 86 | | | 50 | 94 | 76 | 21 * | 59 - 137 | 41 - 155 | 20 | |
| 1,3,5-Trimethylbenzene | 50 | 86 | | | 50 | 95 | 75 | 23 * | 69 - 135 | 55 - 150 | 20 | |
| Vinyl acetate | 50 | 199 * | | | 50 | 143 | 181 | 23 * | 21 - 190 | 10 - 185 | 20 | Q10 |
| Vinyl chloride | 50 | 100 | | | 50 | 108 | 96 | 12 | 40 - 146 | 28 - 161 | 20 | |
| m&p-Xylene | 100 | 88 | | | 100 | 95 | 77 | 21 * | 70 - 129 | 66 - 132 | 20 | |
| o-Xylene | 50 | 86 | | | 50 | 90 | 76 | 17 | 70 - 129 | 66 - 132 | 20 | |

69 compound(s) reported

* denotes recovery outside of QC limits.
MS spike concentrations are not corrected for moisture content of the spiked sample.
(1) MS RPD is calculated via SW-846 rules: on the basis of spiked sample concentrations rather than spike recoveries.

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Phone: 504.469.0333
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LELAP # 02006

**Method:** EPA 8270 **Project:** 2064976 **LCS:** 20489337 12/14/2006 11:12:00 A

**Batch:** 79793 **MS:** 20489338 12/14/2006 1:24:00 PM

**Units:** ug/L **Original for MS:** 20488920 Batch Sample

| Parameter Name | LCS Spike | LCS %Rec | LCSD %Rec | LCS RPD | MS Spike | MS %Rec | MSD %Rec | (1)MS RPD | QC Limits LCS | QC Limits MS/MSD | Max RPD | Qu |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | 50 | 77 | | | 50 | 84 | 76 | 9 | 42 - 113 | 35 - 115 | 20 | |
| Acenaphthylene | 50 | 75 | | | 50 | 80 | 72 | 11 | 41 - 111 | 32 - 113 | 20 | |
| Acetophenone | 50 | 92 | | | 50 | 98 | 97 | 1 | 40 - 120 | 40 - 120 | 20 | |
| Aniline | 50 | 116 | | | 50 | 57 | 50 | 13 | 40 - 120 | 40 - 120 | 20 | |
| Anthracene | 50 | 77 | | | 50 | 79 | 70 | 12 | 46 - 115 | 36 - 115 | 20 | |
| Benzo(a)anthracene | 50 | 68 | | | 50 | 57 | 60 | 5 | 46 - 117 | 31 - 118 | 20 | |
| Benzo(b)fluoranthene | 50 | 71 | | | 50 | 56 | 62 | 10 | 39 - 129 | 24 - 130 | 20 | |
| Benzo(k)fluoranthene | 50 | 83 | | | 50 | 65 | 71 | 8 | 35 - 132 | 21 - 128 | 20 | |
| Benzoic acid | 50 | 87 | | | 50 | 94 | 114 | 19 | 10 - 132 | 10 - 162 | 20 | |
| Benzo(g,h,i)perylene | 50 | 60 | | | 50 | 39 | 41 | 6 | 24 - 136 | 10 - 128 | 20 | |
| Benzo(a)pyrene | 50 | 71 | | | 50 | 55 | 58 | 5 | 40 - 120 | 22 - 118 | 20 | |
| Benzyl alcohol | 50 | 88 | | | 50 | 90 | 90 | 0 | 27 - 120 | 22 - 123 | 20 | |
| 4-Bromophenylphenyl ether | 50 | 76 | | | 50 | 74 | 70 | 5 | 44 - 117 | 36 - 116 | 20 | |
| Butylbenzylphthalate | 50 | 66 | | | 50 | 65 | 63 | 3 | 38 - 126 | 30 - 126 | 20 | |
| Carbazole | 50 | 87 | | | 50 | 102 | 95 | 7 | 32 - 130 | 25 - 138 | 20 | |
| 4-Chloro-3-methylphenol | 50 | 68 | | | 50 | 76 | 78 | 2 | 37 - 118 | 30 - 123 | 20 | |
| 4-Chloroaniline | 50 | 42 | | | 50 | 44 | 39 | 10 | 10 - 114 | 10 - 115 | 20 | |
| bis(2-Chloroethoxy)methane | 50 | 77 | | | 50 | 84 | 79 | 7 | 32 - 113 | 28 - 115 | 20 | |
| bis(2-Chloroethyl) ether | 50 | 83 | | | 50 | 84 | 80 | 5 | 27 - 113 | 22 - 115 | 20 | |
| 2-Chloronaphthalene | 50 | 76 | | | 50 | 83 | 76 | 10 | 41 - 111 | 35 - 112 | 20 | |
| 2-Chlorophenol | 50 | 67 | | | 50 | 68 | 66 | 2 | 26 - 115 | 23 - 115 | 20 | |
| 4-Chlorophenylphenyl ether | 50 | 85 | | | 50 | 92 | 87 | 6 | 42 - 117 | 37 - 115 | 20 | |
| Chrysene | 50 | 68 | | | 50 | 58 | 62 | 8 | 45 - 118 | 31 - 117 | 20 | |
| Dibenz(a,h)anthracene | 50 | 79 | | | 50 | 50 | 54 | 9 | 29 - 136 | 11 - 132 | 20 | |
| Dibenzofuran | 50 | 85 | | | 50 | 96 | 87 | 10 | 45 - 113 | 38 - 115 | 20 | |
| 1,2-Dichlorobenzene | 50 | 66 | | | 50 | 70 | 66 | 5 | 20 - 99 | 13 - 102 | 20 | |
| 1,3-Dichlorobenzene | 50 | 60 | | | 50 | 63 | 59 | 8 | 16 - 96 | 11 - 96 | 20 | |
| 1,4-Dichlorobenzene | 50 | 63 | | | 50 | 66 | 62 | 6 | 17 - 97 | 12 - 98 | 20 | |
| 3,3'-Dichlorobenzidine | 50 | 45 | | | 50 | 10 | 0 * | 200 * | 10 - 124 | 10 - 106 | 20 | Q1 |
| 2,4-Dichlorophenol | 50 | 63 | | | 50 | 66 | 62 | 5 | 36 - 116 | 29 - 119 | 20 | |
| Diethylphthalate | 50 | 78 | | | 50 | 88 | 87 | 1 | 43 - 120 | 37 - 120 | 20 | |
| 2,4-Dimethylphenol | 50 | 62 | | | 50 | 76 | 70 | 8 | 18 - 110 | 16 - 121 | 20 | |
| Dimethylphthalate | 50 | 78 | | | 50 | 87 | 83 | 5 | 45 - 116 | 39 - 117 | 20 | |
| Di-n-butylphthalate | 50 | 86 | | | 50 | 85 | 83 | 2 | 43 - 123 | 34 - 121 | 20 | |
| 4,6-Dinitro-2-methylphenol | 50 | 70 | | | 50 | 65 | 71 | 10 | 33 - 137 | 24 - 144 | 20 | |
| 2,4-Dinitrophenol | 50 | 67 | | | 50 | 73 | 71 | 3 | 17 - 148 | 10 - 170 | 20 | |
| 2,4-Dinitrotoluene | 50 | 91 | | | 50 | 107 | 103 | 4 | 43 - 121 | 36 - 125 | 20 | |
| 2,6-Dinitrotoluene | 50 | 75 | | | 50 | 87 | 81 | 7 | 45 - 119 | 40 - 121 | 20 | |
| Di-n-octylphthalate | 50 | 87 | | | 50 | 64 | 75 | 16 | 32 - 140 | 16 - 144 | 20 | |

1/5/2007 10:15:06

* denotes recovery outside of QC limits.
MS spike concentrations are not corrected for moisture content of the spiked sample.
(1) MS RPD is calculated via SW-846 rules: on the basis of spiked sample concentrations rather than spike recoveries.

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LELAP # 02006

**Method:** EPA 8270 **Project:** 2064976 **LCS:** 20489337 12/14/2006 11:12:00 A

**Batch:** 79793 **MS:** 20489338 12/14/2006 1:24:00 PM

**Units:** ug/L **Original for MS:** 20488920 Batch Sample

| Parameter Name | LCS Spike | LCS %Rec | LCSD %Rec | LCS RPD | MS Spike | MS %Rec | MSD %Rec | (1)MS RPD | QC Limits LCS | QC Limits MS/MSD | Max RPD | Qu |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,2-Diphenylhydrazine | 50 | 92 | | | 50 | 90 | 83 | 8 | 40 - 120 | 40 - 120 | 20 | |
| bis(2-Ethylhexyl)phthalate | 50 | 70 | | | 50 | 55 | 64 | 14 | 30 - 154 | 16 - 145 | 20 | |
| Fluoranthene | 50 | 80 | | | 50 | 82 | 77 | 7 | 45 - 121 | 35 - 121 | 20 | |
| Fluorene | 50 | 87 | | | 50 | 96 | 89 | 8 | 45 - 116 | 36 - 120 | 20 | |
| Hexachloro-1,3-butadiene | 50 | 64 | | | 50 | 67 | 62 | 6 | 20 - 101 | 14 - 102 | 20 | |
| Hexachlorobenzene | 50 | 84 | | | 50 | 74 | 74 | 0 | 44 - 119 | 32 - 119 | 20 | |
| Hexachlorocyclopentadiene | 50 | 18 | | | 50 | 7 * | 13 | 64 * | 10 - 60 | 10 - 58 | 20 | Q1 |
| Hexachloroethane | 50 | 67 | | | 50 | 67 | 67 | 0 | 15 - 96 | 10 - 101 | 20 | |
| Indeno(1,2,3-cd)pyrene | 50 | 72 | | | 50 | 45 | 49 | 10 | 29 - 131 | 12 - 126 | 20 | |
| Isophorone | 50 | 82 | | | 50 | 89 | 83 | 6 | 38 - 115 | 31 - 118 | 20 | |
| 2-Methylnaphthalene | 50 | 71 | | | 50 | 81 | 75 | 7 | 36 - 110 | 29 - 114 | 20 | |
| 2-Methylphenol (o-Cresol) | 50 | 63 | | | 50 | 68 | 68 | 0 | 32 - 115 | 27 - 118 | 20 | |
| 2-Nitroaniline | 50 | 92 | | | 50 | 104 | 100 | 4 | 34 - 120 | 23 - 126 | 20 | |
| 3-Nitroaniline | 50 | 55 | | | 50 | 49 | 60 | 21 * | 22 - 126 | 10 - 126 | 20 | |
| 4-Nitroaniline | 50 | 60 | | | 50 | 69 | 71 | 3 | 26 - 127 | 10 - 129 | 20 | |
| Nitrobenzene | 50 | 88 | | | 50 | 92 | 84 | 9 | 31 - 118 | 16 - 136 | 20 | |
| 2-Nitrophenol | 50 | 63 | | | 50 | 68 | 64 | 6 | 33 - 117 | 25 - 124 | 20 | |
| 4-Nitrophenol | 50 | 74 | | | 50 | 88 | 87 | 1 | 25 - 140 | 10 - 158 | 20 | |
| N-Nitrosodimethylamine | 50 | 95 | | | 50 | 68 | 65 | 4 | 40 - 120 | 40 - 120 | 20 | |
| N-Nitroso-di-n-propylamine | 50 | 84 | | | 50 | 89 | 91 | 3 | 34 - 115 | 26 - 119 | 20 | |
| N-Nitrosodiphenylamine | 50 | 73 | | | 50 | 62 | 47 | 29 * | 32 - 115 | 12 - 118 | 20 | A10 |
| 2,2'-Oxybis(1-chloropropane) | 50 | 79 | | | 50 | 84 | 82 | 2 | 21 - 123 | 14 - 125 | 20 | |
| Phenanthrene | 50 | 78 | | | 50 | 84 | 78 | 8 | 48 - 115 | 38 - 117 | 20 | |
| Phenol | 50 | 70 | | | 50 | 67 | 70 | 5 | 24 - 118 | 17 - 125 | 20 | |
| Pyrene | 50 | 60 | | | 50 | 66 | 63 | 4 | 42 - 119 | 31 - 122 | 20 | |
| Pyridine | 50 | 95 | | | 50 | 67 | 49 | 32 * | 40 - 120 | 40 - 120 | 20 | |
| 2,4,5-Trichlorophenol | 50 | 74 | | | 50 | 76 | 74 | 2 | 41 - 120 | 35 - 122 | 20 | |
| 2,4,6-Trichlorophenol | 50 | 66 | | | 50 | 68 | 65 | 5 | 39 - 120 | 33 - 124 | 20 | |

67 compound(s) reported

* denotes recovery outside of QC limits.
MS spike concentrations are not corrected for moisture content of the spiked sample.
(1) MS RPD is calculated via SW-846 rules: on the basis of spiked sample concentrations rather than spike recoveries.

1/5/2007 10:15:06

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Phone: 504.469.0333
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LELAP # 02006

**Method:** EPA 8081 **Project:** 2064976 **LCS:** 20489673 12/18/2006 12:29:00 P

**Batch:** 79516 **MS:** 20487820 12/15/2006 9:40:00 PM

**Units:** ug/L **Original for MS:** 20487405 Batch Sample

| Parameter Name | LCS Spike | LCS %Rec | LCSD %Rec | LCS RPD | MS Spike | MS %Rec | MSD %Rec | (1)MS RPD | QC Limits LCS | QC Limits MS/MSD | Max RPD | Qu |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aldrin | 0.5 | 60 | | | 0.5 | 83 | 42 | 65 * | 40 - 149 | 10 - 169 | 20 | |
| alpha-BHC | 0.5 | 82 | | | 0.5 | 90 | 53 | 51 * | 24 - 157 | 10 - 173 | 20 | |
| beta-BHC | 0.5 | 88 | | | 0.5 | 86 | 64 | 30 * | 34 - 172 | 10 - 190 | 20 | |
| delta-BHC | 0.5 | 99 | | | 0.5 | 109 | 71 | 42 * | 41 - 169 | 16 - 187 | 20 | |
| gamma-BHC (Lindane) | 0.5 | 86 | | | 0.5 | 97 | 56 | 55 * | 39 - 153 | 18 - 171 | 20 | |
| alpha-Chlordane | 0.5 | 79 | | | 0.5 | 85 | 49 | 54 * | 44 - 139 | 22 - 147 | 20 | |
| gamma-Chlordane | 0.5 | 79 | | | 0.5 | 86 | 52 | 50 * | 44 - 139 | 11 - 168 | 20 | |
| 4,4'-DDD | 0.5 | 74 | | | 0.5 | 86 | 53 | 47 * | 41 - 154 | 11 - 172 | 20 | |
| 4,4'-DDE | 0.5 | 64 | | | 0.5 | 79 | 46 | 52 * | 47 - 142 | 10 - 167 | 20 | |
| 4,4'-DDT | 0.5 | 81 | | | 0.5 | 93 | 62 | 39 * | 34 - 164 | 10 - 174 | 20 | |
| Dieldrin | 0.5 | 81 | | | 0.5 | 87 | 53 | 48 * | 43 - 147 | 22 - 164 | 20 | |
| Endosulfan I | 0.5 | 77 | | | 0.5 | 76 | 46 | 50 * | 25 - 137 | 10 - 148 | 20 | |
| Endosulfan II | 0.5 | 81 | | | 0.5 | 83 | 51 | 48 * | 30 - 142 | 15 - 153 | 20 | |
| Endosulfan sulfate | 0.5 | 84 | | | 0.5 | 97 | 60 | 47 * | 42 - 155 | 22 - 167 | 20 | |
| Endrin | 0.5 | 97 | | | 0.5 | 107 | 64 | 50 * | 49 - 171 | 30 - 187 | 20 | |
| Endrin aldehyde | 0.5 | 87 | | | 0.5 | 103 | 60 | 53 * | 23 - 179 | 10 - 174 | 20 | |
| Endrin ketone | 0.5 | 79 | | | 0.5 | 87 | 53 | 48 * | 38 - 150 | 25 - 161 | 20 | |
| Heptachlor | 0.5 | 78 | | | 0.5 | 79 | 49 | 46 * | 33 - 152 | 14 - 159 | 20 | |
| Heptachlor epoxide | 0.5 | 82 | | | 0.5 | 87 | 53 | 49 * | 45 - 144 | 24 - 158 | 20 | |
| Methoxychlor | 0.5 | 85 | | | 0.5 | 112 | 67 | 51 * | 19 - 178 | 10 - 194 | 20 | |

20 compound(s) reported

* denotes recovery outside of QC limits.
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*LELAP # 02006*

**Method:** EPA 8082 **Project:** 2064976 **LCS:** 20489675 12/19/2006 11:28:00 A

**Batch:** 79789 **MS:**

**Units:** ug/L **Original for MS:**

| Parameter Name | LCS Spike | LCS %Rec | LCSD %Rec | LCS RPD | MS Spike | MS %Rec | MSD %Rec | (1)MS RPD | QC Limits LCS | QC Limits MS/MSD | Max RPD | Qu |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-1016 (Aroclor 1016) | 10 | 76 | | | | | | | 43 - 143 | - | | Q5 |
| PCB-1260 (Aroclor 1260) | 10 | 64 | | | | | | | 45 - 138 | - | | Q5 |

2 compound(s) reported

* denotes recovery outside of QC limits.
MS spike concentrations are not corrected for moisture content of the spiked sample.
(1) MS RPD is calculated via SW-846 rules: on the basis of spiked sample concentrations rather than spike recoveries.

1/5/2007 10:15:12

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*Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023*
*Florida Dept. of Health (NELAC) - E87595*
*Kansas Dept. of Health Environment - E-10266*
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# Form 4x

## METHOD BLANK SUMMARY

CLP Style Form IV

Sample ID : **80059 BLANK 1**
Lab ID : **20490721**
Project: **2064976**

Batch: **80059**
Lab File ID: **1218Z05**
Analysis Time: **12/18/2006 13:26**

| Client Sample ID | Lab Sample ID | Lab File ID | Analysis Date | Analysis Time |
|---|---|---|---|---|
| 80059 LCS 1 | 20490722 | 1218Z06 | 12/18/2006 | 13:45 |
| 2WSW6-EPA | 20489238 | 1218Z12 | 12/18/2006 | 15:48 |
| TRIP BLANK | 20489239 | 1218Z13 | 12/18/2006 | 16:08 |

Comments:

# Form 4x

## METHOD BLANK SUMMARY

CLP Style Form IV

Sample ID : **79793 BLANK 1**
Lab ID : **20489336**
Project: **2064976**

Batch: **79793**
Lab File ID: **1214B04**
Analysis Time: **12/14/2006 10:44**

| Client Sample ID | Lab Sample ID | Lab File ID | Analysis Date | Analysis Time |
|---|---|---|---|---|
| 79793 LCS 1 | 20489337 | 1214B05 | 12/14/2006 | 11:12 |
| 2WSW6-EPA | 20489238 | 1214B18 | 12/14/2006 | 16:55 |

Comments:

# Form 4x

## METHOD BLANK SUMMARY

CLP Style Form IV

Sample ID : **79516 BLANK 2**
Lab ID : **20489672**
Project: **2064976**

Batch: **79516**
Lab File ID: **H121814.D**
Analysis Time: **12/18/2006 12:12**

| Client Sample ID | Lab Sample ID | Lab File ID | Analysis Date | Analysis Time |
|---|---|---|---|---|
| 79516 LCS 2 | 20489673 | H121815.D | 12/18/2006 | 12:29 |
| 2WSW6-EPA | 20489238 | H121818.D | 12/18/2006 | 15:55 |

Comments:

# Form 4x

## METHOD BLANK SUMMARY

CLP Style Form IV

Sample ID : **79789 BLANK 2**
Lab ID : **20489674**
Project: **2064976**

Batch: **79789**
Lab File ID: **E121432.D**
Analysis Time: **12/19/2006 11:13**

| Client Sample ID | Lab Sample ID | Lab File ID | Analysis Date | Analysis Time |
|---|---|---|---|---|
| 79789 LCS 2 | 20489675 | E121433.D | 12/19/2006 | 11:28 |
| 2WSW6-EPA | 20489238 | E121436.D | 12/19/2006 | 12:13 |

Comments:

# Report of Method Blank

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

**Lab ID:** 20490721

**Description:** 8260 VOAs Full List Water BLK **Project No.:** 2064976

**Method:** EPA 8260 **Batch:** 80059 **Units:** ug/L

**Prep Factor:** 1 **Leached:** **Prepared:** 18-Dec-06 **Analyzed:** 12/18/06 13:26 DET (1)

| CAS Number | Parameter | Dilution | Result | Qu | Reporting Limit |
|---|---|---|---|---|---|
| 67-64-1 | Acetone | 1 | ND | A11 | 10.0 |
| 107-02-8 | Acrolein | 1 | ND | | 20.0 |
| 107-13-1 | Acrylonitrile | 1 | ND | | 20.0 |
| 71-43-2 | Benzene | 1 | ND | | 5.00 |
| 108-86-1 | Bromobenzene | 1 | ND | | 5.00 |
| 75-27-4 | Bromodichloromethane | 1 | ND | | 5.00 |
| 75-25-2 | Bromoform | 1 | ND | | 5.00 |
| 74-83-9 | Bromomethane | 1 | ND | | 5.00 |
| 71-36-3 | n-Butanol | 1 | ND | | 200. |
| 78-93-3 | 2-Butanone (MEK) | 1 | ND | A11 | 10.0 |
| 104-51-8 | n-Butylbenzene | 1 | ND | | 5.00 |
| 135-98-8 | sec-Butylbenzene | 1 | ND | | 5.00 |
| 98-06-6 | tert-Butylbenzene | 1 | ND | | 5.00 |
| 75-15-0 | Carbon disulfide | 1 | ND | | 5.00 |
| 56-23-5 | Carbon tetrachloride | 1 | ND | | 5.00 |
| 108-90-7 | Chlorobenzene | 1 | ND | | 5.00 |
| 75-00-3 | Chloroethane | 1 | ND | | 5.00 |
| 110-75-8 | 2-Chloroethylvinyl ether | 1 | ND | | 20.0 |
| 67-66-3 | Chloroform | 1 | ND | | 5.00 |
| 74-87-3 | Chloromethane | 1 | ND | | 5.00 |
| 95-49-8 | 2-Chlorotoluene | 1 | ND | | 5.00 |
| 106-43-4 | 4-Chlorotoluene | 1 | ND | | 5.00 |
| 110-82-7 | Cyclohexane | 1 | ND | | 5.00 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 1 | ND | | 5.00 |
| 124-48-1 | Dibromochloromethane | 1 | ND | | 5.00 |
| 106-93-4 | 1,2-Dibromoethane (EDB) | 1 | ND | | 5.00 |
| 74-95-3 | Dibromomethane | 1 | ND | | 5.00 |
| 95-50-1 | 1,2-Dichlorobenzene | 1 | ND | | 5.00 |
| 541-73-1 | 1,3-Dichlorobenzene | 1 | ND | | 5.00 |
| 106-46-7 | 1,4-Dichlorobenzene | 1 | ND | | 5.00 |
| 110-57-6 | trans-1,4-Dichloro-2-butene | 1 | ND | | 5.00 |
| 75-71-8 | Dichlorodifluoromethane | 1 | ND | | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | 1 | ND | | 5.00 |
| 107-06-2 | 1,2-Dichloroethane | 1 | ND | | 5.00 |
| 540-59-0 | 1,2-Dichloroethene (Total) | 1 | ND | | 10.0 |
| 75-35-4 | 1,1-Dichloroethene | 1 | ND | | 5.00 |

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*Pace Analytical Services, Inc.*
*1000 Riverbend Blvd. Suite F*
*St. Rose , LA 70087*

*Phone: 504.469.0333*
*Fax: 504.469.0555*
*LELAP # 02006*

**Lab ID:** 20490721

**Description:** 8260 VOAs Full List Water BLK **Project No.:** 2064976

**Method:** EPA 8260 **Batch:** 80059 **Units:** ug/L

**Prep Factor:** 1 **Leached:** **Prepared:** 18-Dec-06 **Analyzed:** 12/18/06 13:26 DET (1)

| CAS Number | Parameter | Dilution | Result | Qu | Reporting Limit |
|---|---|---|---|---|---|
| 156-59-2 | cis-1,2-Dichloroethene | 1 | ND | | 5.00 |
| 156-60-5 | trans-1,2-Dichloroethene | 1 | ND | | 5.00 |
| 78-87-5 | 1,2-Dichloropropane | 1 | ND | | 5.00 |
| 142-28-9 | 1,3-Dichloropropane | 1 | ND | | 5.00 |
| 594-20-7 | 2,2-Dichloropropane | 1 | ND | | 5.00 |
| 563-58-6 | 1,1-Dichloropropene | 1 | ND | | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropene | 1 | ND | | 5.00 |
| 10061-02-6 | trans-1,3-Dichloropropene | 1 | ND | | 5.00 |
| 100-41-4 | Ethylbenzene | 1 | ND | | 5.00 |
| 87-68-3 | Hexachloro-1,3-butadiene | 1 | ND | | 5.00 |
| 591-78-6 | 2-Hexanone | 1 | ND | | 10.0 |
| 74-88-4 | Iodomethane | 1 | ND | | 5.00 |
| 98-82-8 | Isopropylbenzene (Cumene) | 1 | ND | | 5.00 |
| 99-87-6 | p-Isopropyltoluene | 1 | ND | | 5.00 |
| 79-20-9 | Methyl acetate | 1 | ND | | 10.0 |
| 108-87-2 | Methylcyclohexane | 1 | ND | | 10.0 |
| 75-09-2 | Methylene chloride | 1 | ND | A11 | 5.00 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | 1 | ND | | 10.0 |
| 1634-04-4 | Methyl-tert-butyl ether | 1 | ND | | 5.00 |
| 103-65-1 | n-Propylbenzene | 1 | ND | | 5.00 |
| 100-42-5 | Styrene | 1 | ND | | 5.00 |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | 1 | ND | | 5.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1 | ND | | 5.00 |
| 127-18-4 | Tetrachloroethene | 1 | ND | | 5.00 |
| 108-88-3 | Toluene | 1 | ND | | 5.00 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1 | ND | | 5.00 |
| 71-55-6 | 1,1,1-Trichloroethane | 1 | ND | | 5.00 |
| 79-00-5 | 1,1,2-Trichloroethane | 1 | ND | | 5.00 |
| 79-01-6 | Trichloroethene | 1 | ND | | 5.00 |
| 75-69-4 | Trichlorofluoromethane | 1 | ND | | 5.00 |
| 96-18-4 | 1,2,3-Trichloropropane | 1 | ND | | 5.00 |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1 | ND | | 5.00 |
| 95-63-6 | 1,2,4-Trimethylbenzene | 1 | ND | | 5.00 |
| 108-67-8 | 1,3,5-Trimethylbenzene | 1 | ND | | 5.00 |
| 108-05-4 | Vinyl acetate | 1 | ND | | 10.0 |
| 75-01-4 | Vinyl chloride | 1 | ND | | 5.00 |

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*Kansas Dept. of Health Environment - E-10266*
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Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

**Lab ID:** 20490721

**Description:** 8260 VOAs Full List Water BLK **Project No.:** 2064976

**Method:** EPA 8260 **Batch:** 80059 **Units:** ug/L

**Prep Factor:** 1 **Leached:** **Prepared:** 18-Dec-06 **Analyzed:** 12/18/06 13:26 DET (1)

| CAS Number | Parameter | Dilution | Result | Qu | Reporting Limit |
|---|---|---|---|---|---|
| | m&p-Xylene | 1 | ND | | 5.00 |
| 95-47-6 | o-Xylene | 1 | ND | | 5.00 |

74 compound(s) reported

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Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

**Lab ID:** 20489336

**Description:** 8270 SVOAs Dual pH **Project No.:** 2064976

**Method:** EPA 8270 **Batch:** 79793 **Units:** ug/L

**Prep Factor:** 1 **Leached:** **Prepared:** 11-Dec-06 **Analyzed:** 12/14/06 10:44 JAM (1)

| CAS Number | Parameter | Dilution | Result | Qu | Reporting Limit |
|---|---|---|---|---|---|
| 83-32-9 | Acenaphthene | 1 | ND | | 10.0 |
| 208-96-8 | Acenaphthylene | 1 | ND | | 10.0 |
| 98-86-2 | Acetophenone | 1 | ND | | 10.0 |
| 62-53-3 | Aniline | 1 | ND | | 10.0 |
| 120-12-7 | Anthracene | 1 | ND | | 10.0 |
| 1912-24-9 | Atrazine | 1 | ND | | 10.0 |
| 100-52-7 | Benzaldehyde | 1 | ND | | 10.0 |
| 92-87-5 | Benzidine | 1 | ND | | 30.0 |
| 56-55-3 | Benzo(a)anthracene | 1 | ND | | 10.0 |
| 205-99-2 | Benzo(b)fluoranthene | 1 | ND | | 10.0 |
| 207-08-9 | Benzo(k)fluoranthene | 1 | ND | | 10.0 |
| 65-85-0 | Benzoic acid | 1 | ND | | 25.0 |
| 191-24-2 | Benzo(g,h,i)perylene | 1 | ND | | 10.0 |
| 50-32-8 | Benzo(a)pyrene | 1 | ND | | 10.0 |
| 100-51-6 | Benzyl alcohol | 1 | ND | | 10.0 |
| 92-52-4 | Biphenyl (Diphenyl) | 1 | ND | | 10.0 |
| 101-55-3 | 4-Bromophenylphenyl ether | 1 | ND | | 10.0 |
| 85-68-7 | Butylbenzylphthalate | 1 | ND | | 10.0 |
| 105-60-2 | Caprolactam | 1 | ND | | 10.0 |
| 86-74-8 | Carbazole | 1 | ND | | 10.0 |
| 59-50-7 | 4-Chloro-3-methylphenol | 1 | ND | | 10.0 |
| 106-47-8 | 4-Chloroaniline | 1 | ND | | 10.0 |
| 111-91-1 | bis(2-Chloroethoxy)methane | 1 | ND | | 10.0 |
| 111-44-4 | bis(2-Chloroethyl) ether | 1 | ND | | 10.0 |
| 91-58-7 | 2-Chloronaphthalene | 1 | ND | | 10.0 |
| 95-57-8 | 2-Chlorophenol | 1 | ND | | 10.0 |
| 7005-72-3 | 4-Chlorophenylphenyl ether | 1 | ND | | 10.0 |
| 218-01-9 | Chrysene | 1 | ND | | 10.0 |
| 53-70-3 | Dibenz(a,h)anthracene | 1 | ND | | 10.0 |
| 132-64-9 | Dibenzofuran | 1 | ND | | 10.0 |
| 95-50-1 | 1,2-Dichlorobenzene | 1 | ND | | 10.0 |
| 541-73-1 | 1,3-Dichlorobenzene | 1 | ND | | 10.0 |
| 106-46-7 | 1,4-Dichlorobenzene | 1 | ND | | 10.0 |
| 91-94-1 | 3,3'-Dichlorobenzidine | 1 | ND | | 20.0 |
| 120-83-2 | 2,4-Dichlorophenol | 1 | ND | | 10.0 |
| 84-66-2 | Diethylphthalate | 1 | ND | | 10.0 |

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Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

# Report of Method Blank

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

**Lab ID:** 20489336

**Description:** 8270 SVOAs Dual pH **Project No.:** 2064976

**Method:** EPA 8270 **Batch:** 79793 **Units:** ug/L

**Prep Factor:** 1 **Leached:** **Prepared:** 11-Dec-06 **Analyzed:** 12/14/06 10:44 JAM (1)

| CAS Number | Parameter | Dilution | Result | Qu | Reporting Limit |
|---|---|---|---|---|---|
| 105-67-9 | 2,4-Dimethylphenol | 1 | ND | | 10.0 |
| 131-11-3 | Dimethylphthalate | 1 | ND | | 10.0 |
| 84-74-2 | Di-n-butylphthalate | 1 | ND | | 10.0 |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1 | ND | | 10.0 |
| 99-65-0 | 1,3-Dinitrobenzene | 1 | ND | | 10.0 |
| 51-28-5 | 2,4-Dinitrophenol | 1 | ND | | 10.0 |
| 121-14-2 | 2,4-Dinitrotoluene | 1 | ND | | 10.0 |
| 606-20-2 | 2,6-Dinitrotoluene | 1 | ND | | 10.0 |
| 117-84-0 | Di-n-octylphthalate | 1 | ND | | 10.0 |
| 88-85-7 | Dinoseb | 1 | ND | | 10.0 |
| 122-66-7 | 1,2-Diphenylhydrazine | 1 | ND | | 10.0 |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 1 | ND | | 10.0 |
| 206-44-0 | Fluoranthene | 1 | ND | | 10.0 |
| 86-73-7 | Fluorene | 1 | ND | | 10.0 |
| 87-68-3 | Hexachloro-1,3-butadiene | 1 | ND | | 10.0 |
| 118-74-1 | Hexachlorobenzene | 1 | ND | | 10.0 |
| 77-47-4 | Hexachlorocyclopentadiene | 1 | ND | | 10.0 |
| 67-72-1 | Hexachloroethane | 1 | ND | | 10.0 |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 1 | ND | | 10.0 |
| 78-59-1 | Isophorone | 1 | ND | | 10.0 |
| 91-57-6 | 2-Methylnaphthalene | 1 | ND | | 10.0 |
| 95-48-7 | 2-Methylphenol (o-Cresol) | 1 | ND | | 10.0 |
| 88-74-4 | 2-Nitroaniline | 1 | ND | | 10.0 |
| 99-09-2 | 3-Nitroaniline | 1 | ND | | 10.0 |
| 100-01-6 | 4-Nitroaniline | 1 | ND | | 10.0 |
| 98-95-3 | Nitrobenzene | 1 | ND | | 10.0 |
| 88-75-5 | 2-Nitrophenol | 1 | ND | | 10.0 |
| 100-02-7 | 4-Nitrophenol | 1 | ND | | 10.0 |
| 62-75-9 | N-Nitrosodimethylamine | 1 | ND | | 10.0 |
| 621-64-7 | N-Nitroso-di-n-propylamine | 1 | ND | | 10.0 |
| 86-30-6 | N-Nitrosodiphenylamine | 1 | ND | A10 | 10.0 |
| 108-60-1 | 2,2'-Oxybis(1-chloropropane) | 1 | ND | | 10.0 |
| 87-86-5 | Pentachlorophenol | 1 | ND | | 10.0 |
| 85-01-8 | Phenanthrene | 1 | ND | | 10.0 |
| 108-95-2 | Phenol | 1 | ND | | 10.0 |
| 129-00-0 | Pyrene | 1 | ND | | 10.0 |

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# Report of Method Blank

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

**Lab ID:** 20489336

**Description:** 8270 SVOAs Dual pH **Project No.:** 2064976

**Method:** EPA 8270 **Batch:** 79793 **Units:** ug/L

**Prep Factor:** 1 **Leached:** **Prepared:** 11-Dec-06 **Analyzed:** 12/14/06 10:44 JAM (1)

| CAS Number | Parameter | Dilution | Result | Qu | Reporting Limit |
|---|---|---|---|---|---|
| 110-86-1 | Pyridine | 1 | ND | | 10.0 |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 1 | ND | | 10.0 |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 1 | ND | | 10.0 |
| 95-95-4 | 2,4,5-Trichlorophenol | 1 | ND | | 10.0 |
| 88-06-2 | 2,4,6-Trichlorophenol | 1 | ND | | 10.0 |

77 compound(s) reported

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# Report of Method Blank

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*1000 Riverbend Blvd. Suite F*
*St. Rose , LA 70087*

*Phone: 504.469.0333*
*Fax: 504.469.0555*
*LELAP # 02006*

**Lab ID:** 20489672

**Description:** 8081 Pests Water **Project No.:** 2064976

**Method:** EPA 8081 **Batch:** 79516 **Units:** ug/L

**Prep Factor:** 1 **Leached:** **Prepared:** 12-Dec-06 **Analyzed:** 12/18/06 12:12 SLF(1)

| CAS Number | Parameter | Dilution | Result | Qu | Reporting Limit |
|---|---|---|---|---|---|
| 309-00-2 | Aldrin | 1 | ND | | 0.0500 |
| 319-84-6 | alpha-BHC | 1 | ND | | 0.0500 |
| 319-85-7 | beta-BHC | 1 | ND | | 0.0500 |
| 319-86-8 | delta-BHC | 1 | ND | | 0.0500 |
| 58-89-9 | gamma-BHC (Lindane) | 1 | ND | | 0.0500 |
| 5103-71-9 | alpha-Chlordane | 1 | ND | | 0.0500 |
| 5103-74-2 | gamma-Chlordane | 1 | ND | | 0.0500 |
| 72-54-8 | 4,4'-DDD | 1 | ND | | 0.100 |
| 72-55-9 | 4,4'-DDE | 1 | ND | | 0.100 |
| 50-29-3 | 4,4'-DDT | 1 | ND | | 0.100 |
| 60-57-1 | Dieldrin | 1 | ND | | 0.100 |
| 959-98-8 | Endosulfan I | 1 | ND | | 0.0500 |
| 33213-65-9 | Endosulfan II | 1 | ND | | 0.100 |
| 1031-07-8 | Endosulfan sulfate | 1 | ND | | 0.100 |
| 72-20-8 | Endrin | 1 | ND | | 0.100 |
| 7421-93-4 | Endrin aldehyde | 1 | ND | | 0.100 |
| 53494-70-5 | Endrin ketone | 1 | ND | | 0.100 |
| 76-44-8 | Heptachlor | 1 | ND | | 0.0500 |
| 1024-57-3 | Heptachlor epoxide | 1 | ND | | 0.0500 |
| 72-43-5 | Methoxychlor | 1 | ND | | 0.500 |
| 8001-35-2 | Toxaphene | 1 | ND | | 2.00 |

21 compound(s) reported

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*Florida Dept. of Health (NELAC) - E87595*
*Kansas Dept. of Health Environment - E-10266*
*U.S. Dept. of Agriculture Foreign Soil Permit - S-47270*

# Report of Method Blank

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

**Lab ID:** 20489674

**Description:** 8082 PCBs Water **Project No.:** 2064976

**Method:** EPA 8082 **Batch:** 79789 **Units:** ug/L

**Prep Factor:** 1 **Leached:** **Prepared:** 12-Dec-06 **Analyzed:** 12/19/06 11:13 SLF(1)

| CAS Number | Parameter | Dilution | Result | Qu | Reporting Limit |
|---|---|---|---|---|---|
| 12674-11-2 | PCB-1016 (Aroclor 1016) | 1 | ND | | 1.00 |
| 11104-28-2 | PCB-1221 (Aroclor 1221) | 1 | ND | | 1.00 |
| 11141-16-5 | PCB-1232 (Aroclor 1232) | 1 | ND | | 1.00 |
| 53469-21-9 | PCB-1242 (Aroclor 1242) | 1 | ND | | 1.00 |
| 12672-29-6 | PCB-1248 (Aroclor 1248) | 1 | ND | | 1.00 |
| 11097-69-1 | PCB-1254 (Aroclor 1254) | 1 | ND | | 1.00 |
| 11096-82-5 | PCB-1260 (Aroclor 1260) | 1 | ND | | 1.00 |

7 compound(s) reported

ND denotes Not Detected at or above the reporting limit.
DF denotes Dilution Factor.
RL denotes sample Reporting Limit.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

1/5/2007 10:15:17

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

8A

# VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name :
Project : Site :
Lab File ID (Standard): 1025Z43.D
Instrument ID : Inst_Z
GC Column : ID :

Contract :
Location : Group :
Date Analyzed : 26 Oct 2006
Time Analyzed : 1:50
Heated Purge (Y:N) :

| | IS1 BCM | | | IS2 DFB | | | IS3 CBZ | | |
|---|---|---|---|---|---|---|---|---|---|
| | Area | # | RT # | Area | # | RT # | Area | # | RT # |
| 12 HOUR STD | 218574 | | 6.18 | 544941 | | 6.63 | 218137 | | 9.00 |
| UPPER LIMIT | 437148 | | 6.68 | 1089882 | | 7.13 | 436274 | | 9.50 |
| LOWER LIMIT | 109287 | | 5.68 | 272471 | | 6.13 | 109069 | | 8.50 |
| File ID Sample | | | | | | | | | |
| 1025Z43 SSTD005 | 218574 | | 6.18 | 544941 | | 6.63 | 218137 | | 9.00 |
| 1025Z44 SSTD010 | 218833 | | 6.19 | 547192 | | 6.63 | 220531 | | 9.00 |
| 1025Z45 SSTD020 | 219822 | | 6.18 | 561191 | | 6.62 | 221861 | | 8.99 |
| 1025Z46 SSTD050 | 213894 | | 6.19 | 545037 | | 6.62 | 219185 | | 8.99 |
| 1025Z47 SSTD100 | 218774 | | 6.18 | 552144 | | 6.63 | 220365 | | 9.00 |
| 1025Z48 SSTD250 | 225278 | | 6.18 | 561801 | | 6.62 | 224092 | | 8.99 |

IS1 BCM = CI05 Pentafluorobenzene
IS2 DFB = CI10 1,4-Difluorobenzene
IS3 CBZ = CI15 Chlorobenzene-d5
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = 0.5 minutes of internal standard RT
RT LOWER LIMIT = -0.5 minutes of internal standard RT

# Column to be used to flag values outside QC limit with an asterisk
* Values outside of contract required QC limits

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name :  Contract :
Project :  Site :  Location :  Group :
Lab File ID (Standard): 1025Z43.D  Date Analyzed : 26 Oct 2006
Instrument ID : Inst_Z  Time Analyzed : 1:50
GC Column :  ID :  Heated Purge (Y:N) :

| | IS4 Area | # | RT | # | IS5 Area | # | RT | # | IS6 Area | # | RT | # |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 HOUR STD | 110514 | | 10.90 | | 0 | | 0.00 | | 0 | | 0.00 | |
| UPPER LIMIT | 221028 | | 11.40 | | 0 | | 0.00 | | 0 | | 0.00 | |
| LOWER LIMIT | 55257 | | 10.40 | | 0 | | 0.00 | | 0 | | 0.00 | |
| File ID Sample | | | | | | | | | | | | |
| 1025Z43 SSTD005 | 110514 | | 10.90 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1025Z44 SSTD010 | 116100 | | 10.90 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1025Z45 SSTD020 | 112504 | | 10.90 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1025Z46 SSTD050 | 121531 | | 10.90 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1025Z47 SSTD100 | 123250 | | 10.90 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1025Z48 SSTD250 | 124917 | | 10.90 | | 0 | | 0.00 | | 0 | | 0.00 | |

IS4 = CI20 1,4-Dichlroobenzene-d4
IS5 =
IS6 =
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = 0.5 minutes of internal standard RT
RT LOWER LIMIT = -0.5 minutes of internal standard RT

# Column to be used to flag values outside QC limit with an asterisk
* Values outside of contract required QC limits

8A

# VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name :
Project : Site :
Lab File ID (Standard): 1214Z05.D
Instrument ID : Inst_Z
GC Column : VMS ID : ,25 (mm)

Contract :
Location : Group : MS-VOA
Date Analyzed : 14 Dec 2006
Time Analyzed : 11:07
Heated Purge (Y:N) : y

| | IS1 PFB | | IS2 DFB | | IS3 CLB | |
|---|---|---|---|---|---|---|
| | Area # | RT # | Area # | RT # | Area # | RT # |
| 12 HOUR STD | 407318 | 6.17 | 850455 | 6.61 | 407022 | 8.98 |
| UPPER LIMIT | 814636 | 6.67 | 1700910 | 7.11 | 814044 | 9.48 |
| LOWER LIMIT | 203659 | 5.67 | 425228 | 6.11 | 203511 | 8.48 |
| File ID Sample | | | | | | |
| 1214Z05 VSTD005 | 407318 | 6.17 | 850455 | 6.61 | 407022 | 8.98 |
| 1214Z06 VSTD010 | 405512 | 6.17 | 874995 | 6.61 | 422477 | 8.98 |
| 1214Z07 VSTD020 | 381812 | 6.16 | 837074 | 6.60 | 412917 | 8.98 |
| 1214Z08 VSTD050 | 377299 | 6.16 | 836122 | 6.61 | 421009 | 8.98 |
| 1214Z09 VSTD100 | 404896 | 6.17 | 877417 | 6.61 | 430734 | 8.98 |
| 1214Z10 VSTD250 | 386139 | 6.17 | 854363 | 6.61 | 438023 | 8.98 |
| 1214Z12 VSTD050IC | 412103 | 6.16 | 903754 | 6.61 | 443303 | 8.98 |

IS1 PFB = CI05 Pentafluorobenzene
IS2 DFB = CI10 1,4-Difluorobenzene
IS3 CLB = CI15 Chlorobenzene-d5

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = 0.5 minutes of internal standard RT
RT LOWER LIMIT = -0.5 minutes of internal standard RT

# Column to be used to flag values outside QC limit with an asterisk
* Values outside of contract required QC limits

8A

# VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name :
Project : Site :
Lab File ID (Standard): 1214Z05.D
Instrument ID : Inst_Z
GC Column : VMS ID : ,25 (mm)

Contract :
Location : Group : MS-VOA
Date Analyzed : 14 Dec 2006
Time Analyzed : 11:07
Heated Purge (Y:N) : y

| | IS4 DCB Area | # | RT | # | IS5 Area | # | RT | # | IS6 Area | # | RT | # |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 HOUR STD | 202599 | | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| UPPER LIMIT | 405199 | | 11.39 | | 0 | | 0.00 | | 0 | | 0.00 | |
| LOWER LIMIT | 101300 | | 10.39 | | 0 | | 0.00 | | 0 | | 0.00 | |
| File ID Sample | | | | | | | | | | | | |
| 1214Z05 VSTD005 | 202599 | | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1214Z06 VSTD010 | 227759 | | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1214Z07 VSTD020 | 223598 | | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1214Z08 VSTD050 | 241307 | | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1214Z09 VSTD100 | 246377 | | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1214Z10 VSTD250 | 234046 | | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1214Z12 VSTD050IC | 241272 | | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |

IS4 DCB = CI20 1,4-Dichlroobenzene-d4
IS5 =
IS6 =

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = 0.5 minutes of internal standard RT
RT LOWER LIMIT = -0.5 minutes of internal standard RT

# Column to be used to flag values outside QC limit with an asterisk
* Values outside of contract required QC limits

8A

# VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name :
Project : Site :
Lab File ID (Standard): 1218Z03.D
Instrument ID : Inst_Z
GC Column : VMS ID : ,25 (mm)

Contract :
Location : Group : MS-VOA-
Date Analyzed : 18 Dec 2006
Time Analyzed : 12:39
Heated Purge (Y:N) : y

| | IS1 PFB | | IS2 DFB | | IS3 CLB | |
|---|---|---|---|---|---|---|
| | Area # | RT # | Area # | RT # | Area # | RT # |
| 12 HOUR STD | 447431 | 6.16 | 980529 | 6.60 | 545179 | 8.97 |
| UPPER LIMIT | 894862 | 6.66 | 1961058 | 7.10 | 1090358 | 9.47 |
| LOWER LIMIT | 223716 | 5.66 | 490265 | 6.10 | 272590 | 8.47 |
| File ID Sample | | | | | | |
| 1218Z05 204XXXXX/ | 377649 | 6.16 | 817819 | 6.61 | 470932 | 8.98 |
| 1218Z06 204XXXXX/ | 436217 | 6.16 | 939479 | 6.60 | 520665 | 8.97 |
| 1218Z07 20489586 | 400816 | 6.16 | 874230 | 6.60 | 485277 | 8.98 |
| 1218Z08 20489231 | 395446 | 6.16 | 841178 | 6.60 | 454774 | 8.98 |
| 1218Z09 20490723/ | 431617 | 6.16 | 913102 | 6.60 | 481446 | 8.97 |
| 1218Z10 20490724/ | 404565 | 6.16 | 890980 | 6.60 | 497698 | 8.97 |
| 1218Z11 20489232 | 397185 | 6.16 | 835305 | 6.60 | 457319 | 8.98 |
| 1218Z12 20489238 | 397428 | 6.15 | 839589 | 6.60 | 443058 | 8.97 |
| 1218Z13 20489239 | 376217 | 6.16 | 790148 | 6.61 | 420188 | 8.97 |
| 1218Z14 20490323 | 398430 | 6.16 | 839743 | 6.60 | 425929 | 8.98 |
| 1218Z15 20490324 | 371833 | 6.16 | 795655 | 6.61 | 436294 | 8.98 |
| 1218Z16 20490325 | 375359 | 6.16 | 781722 | 6.61 | 418461 | 8.97 |
| 1218Z17 20490326 | 395515 | 6.16 | 800931 | 6.60 | 431459 | 8.97 |
| 1218Z18 20490327 | 366594 | 6.17 | 766002 | 6.61 | 419492 | 8.98 |
| 1218Z19 20490328 | 361706 | 6.16 | 747331 | 6.61 | 404385 | 8.97 |
| 1218Z20 20490329 | 367923 | 6.17 | 766787 | 6.61 | 412623 | 8.98 |
| 1218Z21 20490330 | 371459 | 6.17 | 775877 | 6.61 | 408323 | 8.98 |
| 1218Z22 20490331 | 368400 | 6.16 | 768680 | 6.61 | 411410 | 8.98 |
| 1218Z23 20490332 | 370487 | 6.17 | 797777 | 6.61 | 413386 | 8.98 |
| 1218Z24 20490333 | 342390 | 6.17 | 717789 | 6.61 | 399558 | 8.97 |
| 1218Z25 20490334 | 333606 | 6.16 | 694985 | 6.61 | 397042 | 8.97 |
| 1218Z26 20490335 | 358846 | 6.16 | 728243 | 6.60 | 388644 | 8.97 |
| 1218Z27 20489928 | 370415 | 6.16 | 745353 | 6.61 | 399691 | 8.97 |
| 1218Z28 20490725/ | 341601 | 6.16 | 706185 | 6.60 | 395658 | 8.97 |
| 1218Z29 20490726/ | 408722 | 6.16 | 846884 | 6.60 | 457588 | 8.97 |

IS1 PFB = CI05 Pentafluorobenzene
IS2 DFB = CI10 1,4-Difluorobenzene
IS3 CLB = CI15 Chlorobenzene-d5

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = 0.5 minutes of internal standard RT
RT LOWER LIMIT = -0.5 minutes of internal standard RT

# Column to be used to flag values outside QC limit with an asterisk
* Values outside of contract required QC limits

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name :  Contract :
Project :  Site :  Location :  Group : MS-VOA-
Lab File ID (Standard): 1218Z03.D  Date Analyzed : 18 Dec 2006
Instrument ID : Inst_Z  Time Analyzed : 12:39
GC Column : VMS  ID : ,25 (mm)  Heated Purge (Y:N) : y

| | IS1 PFB | | IS2 DFB | | IS3 CLB | |
|---|---|---|---|---|---|---|
| | Area # | RT # | Area # | RT # | Area # | RT # |
| 12 HOUR STD | 447431 | 6.16 | 980529 | 6.60 | 545179 | 8.97 |
| UPPER LIMIT | 894862 | 6.66 | 1961058 | 7.10 | 1090358 | 9.47 |
| LOWER LIMIT | 223716 | 5.66 | 490265 | 6.10 | 272590 | 8.47 |
| File ID Sample | | | | | | |
| 1218Z30 20490618 | 358935 | 6.16 | 731383 | 6.61 | 386298 | 8.98 |
| 1218Z31 20490619 | 325671 | 6.16 | 660814 | 6.61 | 360242 | 8.98 |
| 1218Z32 20490620 | 321133 | 6.16 | 652502 | 6.61 | 372855 | 8.98 |
| 1218Z33 20490621 | 341773 | 6.16 | 700010 | 6.60 | 388584 | 8.97 |
| 1218Z34 20490622 | 335746 | 6.16 | 692022 | 6.60 | 376313 | 8.97 |
| 1218Z35 20490623 | 339818 | 6.16 | 690438 | 6.60 | 382828 | 8.97 |
| 1218Z36 20489909 | 314417 | 6.16 | 647556 | 6.61 | 365883 | 8.98 |
| 1218Z37 20489910 | 319365 | 6.16 | 657049 | 6.60 | 378881 | 8.98 |

IS1 PFB = CI05 Pentafluorobenzene
IS2 DFB = CI10 1,4-Difluorobenzene
IS3 CLB = CI15 Chlorobenzene-d5

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = 0.5 minutes of internal standard RT
RT LOWER LIMIT = -0.5 minutes of internal standard RT

# Column to be used to flag values outside QC limit with an asterisk
* Values outside of contract required QC limits

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name :
Project : Site :
Lab File ID (Standard): 1218Z03.D
Instrument ID : Inst_Z
GC Column : VMS ID : ,25 (mm)
Contract :
Location : Group : MS-VOA-
Date Analyzed : 18 Dec 2006
Time Analyzed : 12:39
Heated Purge (Y:N) : y

| | IS4 DCB Area | # | RT | # | IS5 Area | # | RT | # | IS6 Area | # | RT | # |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 HOUR STD | 322859 | | 10.88 | | 0 | | 0.00 | | 0 | | 0.00 | |
| UPPER LIMIT | 645718 | | 11.38 | | 0 | | 0.00 | | 0 | | 0.00 | |
| LOWER LIMIT | 161429 | | 10.38 | | 0 | | 0.00 | | 0 | | 0.00 | |
| File ID Sample | | | | | | | | | | | | |
| 1218Z05 204XXXXX/ | 222329 | | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1218Z06 204XXXXX/ | 297972 | | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1218Z07 20489586 | 221537 | | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1218Z08 20489231 | 191298 | | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1218Z09 20490723/ | 267965 | | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1218Z10 20490724/ | 283440 | | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1218Z11 20489232 | 188689 | | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1218Z12 20489238 | 195569 | | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1218Z13 20489239 | 170324 | | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1218Z14 20490323 | 167937 | | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1218Z15 20490324 | 179910 | | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1218Z16 20490325 | 173248 | | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1218Z17 20490326 | 167207 | | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1218Z18 20490327 | 170156 | | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1218Z19 20490328 | 163842 | | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1218Z20 20490329 | 165853 | | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1218Z21 20490330 | 158202 | * | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1218Z22 20490331 | 166167 | | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1218Z23 20490332 | 168495 | | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1218Z24 20490333 | 154462 | * | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1218Z25 20490334 | 157858 | * | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1218Z26 20490335 | 145982 | * | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1218Z27 20489928 | 142411 | * | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1218Z28 20490725/ | 156688 | * | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1218Z29 20490726/ | 225791 | | 10.88 | | 0 | | 0.00 | | 0 | | 0.00 | |

IS4 DCB = CI20 1,4-Dichlroobenzene-d4
IS5 =
IS6 =

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = 0.5 minutes of internal standard RT
RT LOWER LIMIT = -0.5 minutes of internal standard RT

# Column to be used to flag values outside QC limit with an asterisk
* Values outside of contract required QC limits

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name :
Project : Site :
Lab File ID (Standard): 1218Z03.D
Instrument ID : Inst_Z
GC Column : VMS ID : ,25 (mm)

Contract :
Location : Group : MS-VOA
Date Analyzed : 18 Dec 2006
Time Analyzed : 12:39
Heated Purge (Y:N) : y

| | IS4 DCB Area | # | RT | # | IS5 Area | # | RT | # | IS6 Area | # | RT | # |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 HOUR STD | 322859 | | 10.88 | | 0 | | 0.00 | | 0 | | 0.00 | |
| UPPER LIMIT | 645718 | | 11.38 | | 0 | | 0.00 | | 0 | | 0.00 | |
| LOWER LIMIT | 161429 | | 10.38 | | 0 | | 0.00 | | 0 | | 0.00 | |
| File ID Sample | | | | | | | | | | | | |
| 1218Z30 20490618 | 151881 | * | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1218Z31 20490619 | 137720 | * | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1218Z32 20490620 | 141237 | * | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1218Z33 20490621 | 146475 | * | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1218Z34 20490622 | 127908 | * | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1218Z35 20490623 | 132392 | * | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1218Z36 20489909 | 127082 | * | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1218Z37 20489910 | 137373 | * | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |

IS4 DCB = CI20 1,4-Dichlroobenzene-d4
IS5 =
IS6 =

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = 0.5 minutes of internal standard RT
RT LOWER LIMIT = -0.5 minutes of internal standard RT

# Column to be used to flag values outside QC limit with an asterisk
* Values outside of contract required QC limits

8B

# SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name :  Contract :
Project :  Site :  Location :  Group :
Lab File ID (Standard): 1030B01.D  Date Analyzed : 30 Oct 2006
Instrument ID : 5973N  Time Analyzed : 12:09
GC Column :  ID :  (mm)  Heated Purge (Y:N) :

| | IS1 (DCB) | | IS2 (NPT) | | IS3 (ANT) | |
|---|---|---|---|---|---|---|
| | Area # | RT # | Area # | RT # | Area # | RT # |
| 12 HOUR STD | 46221 | 6.25 | 140502 | 7.88 | 67036 | 10.10 |
| UPPER LIMIT | 92442 | 6.75 | 281004 | 8.38 | 134072 | 10.60 |
| LOWER LIMIT | 23111 | 5.75 | 70251 | 7.38 | 33518 | 9.60 |
| File ID Sample | | | | | | |
| 1030B01 534-40-ST | 46221 | 6.25 | 140502 | 7.88 | 67036 | 10.10 |
| 1030B02 534-40-ST | 49002 | 6.25 | 141869 | 7.87 | 64226 | 10.09 |
| 1030B03 534-40-ST | 49497 | 6.24 | 142522 | 7.87 | 66611 | 10.09 |
| 1030B04 534-40-ST | 46162 | 6.24 | 125995 | 7.87 | 59293 | 10.09 |
| 1030B05 534-40-ST | 53709 | 6.24 | 177330 | 7.87 | 84389 | 10.09 |
| 1030B06 534-40-ST | 66942 | 6.24 | 227895 | 7.86 | 120311 | 10.09 |
| 1030B07 534-40-IC | 49120 | 6.25 | 148607 | 7.88 | 68876 | 10.10 |

IS1 (DCB) = CI30 1,4-Diclbenzene-d4
IS2 (NPT) = CI40 Naphthalene-d8
IS3 (ANT) = CI50 Acenaphthene-d10

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = 0.5 minutes of internal standard RT
RT LOWER LIMIT = -0.5 minutes of internal standard RT

# Column to be used to flag values outside QC limit with an asterisk
* Values outside of contract required QC limits

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name :  Contract :
Project :  Site :  Location :  Group :
Lab File ID (Standard): 1030B01.D  Date Analyzed : 30 Oct 2006
Instrument ID : 5973N  Time Analyzed : 12:09
GC Column :  ID :  (mm)  Heated Purge (Y:N) :

| | IS4 (PHN) | | IS5 (CRY) | | IS6 (PRY) | |
|---|---|---|---|---|---|---|
| | Area # | RT # | Area # | RT # | Area # | RT # |
| 12 HOUR STD | 96623 | 11.99 | 114535 | 15.80 | 119687 | 17.94 |
| UPPER LIMIT | 193246 | 12.49 | 229070 | 16.30 | 239374 | 18.44 |
| LOWER LIMIT | 48312 | 11.49 | 57268 | 15.30 | 59844 | 17.44 |
| File ID Sample | | | | | | |
| 1030B01 534-40-ST | 96623 | 11.99 | 114535 | 15.80 | 119687 | 17.94 |
| 1030B02 534-40-ST | 88526 | 11.98 | 128484 | 15.79 | 133944 | 17.94 |
| 1030B03 534-40-ST | 106693 | 11.98 | 140352 | 15.79 | 124366 | 17.94 |
| 1030B04 534-40-ST | 93235 | 11.98 | 128275 | 15.80 | 114039 | 17.94 |
| 1030B05 534-40-ST | 118499 | 11.97 | 137869 | 15.79 | 158087 | 17.93 |
| 1030B06 534-40-ST | 182156 | 11.97 | 208202 | 15.78 | 208565 | 17.92 |
| 1030B07 534-40-IC | 95870 | 11.99 | 115036 | 15.81 | 128949 | 17.95 |

IS4 (PHN) = CI60 Phenanthrene-d10
IS5 (CRY) = CI70 Chrysene-d12
IS6 (PRY) = CI75 Perylene-d12

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = 0.5 minutes of internal standard RT
RT LOWER LIMIT = -0.5 minutes of internal standard RT

# Column to be used to flag values outside QC limit with an asterisk
* Values outside of contract required QC limits

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name :  Contract :
Project :  Site :  Location :  Group :
Lab File ID (Standard): 1109B01.D  Date Analyzed : 9 Nov 2006
Instrument ID : 5973N  Time Analyzed : 15:49
GC Column :  ID :  (mm)  Heated Purge (Y:N) :

| | IS1 (DCB) | | IS2 (NPT) | | IS3 (ANT) | |
|---|---|---|---|---|---|---|
| | Area # | RT # | Area # | RT # | Area # | RT # |
| 12 HOUR STD | 74996 | 6.19 | 258503 | 7.81 | 125346 | 10.04 |
| UPPER LIMIT | 149992 | 6.69 | 517006 | 8.31 | 250692 | 10.54 |
| LOWER LIMIT | 37498 | 5.69 | 129252 | 7.31 | 62673 | 9.54 |
| File ID Sample | | | | | | |
| 1109B01 534-43-BA | 74996 | 6.19 | 258503 | 7.81 | 125346 | 10.04 |
| 1109B02 534-43-BA | 69678 | 6.19 | 236868 | 7.82 | 113236 | 10.04 |
| 1109B03 534-43-BA | 52930 | 6.20 | 177486 | 7.82 | 82428 | 10.05 |
| 1109B04 534-43-BA | 48648 | 6.20 | 167340 | 7.82 | 84702 | 10.05 |
| 1109B05 534-43-BA | 52570 | 6.20 | 180129 | 7.82 | 87222 | 10.05 |
| 1109B06 534-43-BA | 65502 | 6.19 | 226977 | 7.82 | 112421 | 10.04 |

IS1 (DCB) = CI30 1,4-Dichlorobenzene-d4
IS2 (NPT) = CI40 Naphthalene-d8
IS3 (ANT) = CI50 Acenaphthene-d10

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = 0.5 minutes of internal standard RT
RT LOWER LIMIT = -0.5 minutes of internal standard RT

# Column to be used to flag values outside QC limit with an asterisk
* Values outside of contract required QC limits

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name :  Contract :
Project :  Site :  Location :  Group :
Lab File ID (Standard): 1109B01.D  Date Analyzed : 9 Nov 2006
Instrument ID : 5973N  Time Analyzed : 15:49
GC Column :  ID :  (mm)  Heated Purge (Y:N) :

| | IS4 (PHN) | | IS5 (CRY) | | IS6 (PRY) | |
|---|---|---|---|---|---|---|
| | Area # | RT # | Area # | RT # | Area # | RT # |
| 12 HOUR STD | 176225 | 11.92 | 158039 | 15.72 | 194948 | 17.85 |
| UPPER LIMIT | 352450 | 12.42 | 316078 | 16.22 | 389896 | 18.35 |
| LOWER LIMIT | 88113 | 11.42 | 79020 | 15.22 | 97474 | 17.35 |
| File ID Sample | | | | | | |
| 1109B01 534-43-BA | 176225 | 11.92 | 158039 | 15.72 | 194948 | 17.85 |
| 1109B02 534-43-BA | 154885 | 11.92 | 162027 | 15.72 | 202247 | 17.85 |
| 1109B03 534-43-BA | 129117 | 11.93 | 164730 | 15.73 | 202020 | 17.86 |
| 1109B04 534-43-BA | 145390 | 11.93 | 170441 | 15.73 | 198628 | 17.86 |
| 1109B05 534-43-BA | 134692 | 11.93 | 161637 | 15.73 | 192950 | 17.87 |
| 1109B06 534-43-BA | 151449 | 11.92 | 154516 | 15.72 | 192944 | 17.85 |

IS4 (PHN) = CI60 Phenanthrene-d10
IS5 (CRY) = CI70 Chrysene-d12
IS6 (PRY) = CI75 Perylene-d12

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = 0.5 minutes of internal standard RT
RT LOWER LIMIT = -0.5 minutes of internal standard RT

# Column to be used to flag values outside QC limit with an asterisk
* Values outside of contract required QC limits

8B

# SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name :  Contract :
Project :  Site :  Location :  Group :
Lab File ID (Standard): 1214B01.D  Date Analyzed : 14 Dec 2006
Instrument ID : 5973N  Time Analyzed : 9:26
GC Column :  ID :  (mm)  Heated Purge (Y:N) :

| | IS1 (DCB) | | | IS2 (NPT) | | | IS3 (ANT) | | |
|---|---|---|---|---|---|---|---|---|---|
| | Area | # | RT # | Area | # | RT # | Area | # | RT # |
| 12 HOUR STD | 45519 | | 5.26 | 138639 | | 6.89 | 64205 | | 9.10 |
| UPPER LIMIT | 91038 | | 5.76 | 277278 | | 7.39 | 128410 | | 9.60 |
| LOWER LIMIT | 22760 | | 4.76 | 69320 | | 6.39 | 32103 | | 8.60 |
| File ID Sample | | | | | | | | | |
| 1214B04 20489336\ | 50826 | | 5.25 | 197375 | | 6.88 | 106413 | | 9.09 |
| 1214B05 20489337\ | 45210 | | 5.26 | 137674 | | 6.89 | 62281 | | 9.10 |
| 1214B06 20489821\ | 43142 | | 5.25 | 179266 | | 6.88 | 102201 | | 9.09 |
| 1214B07 20489822\ | 35836 | | 5.26 | 123168 | | 6.89 | 61944 | | 9.11 |
| 1214B08 20489925 | 36933 | | 5.26 | 154976 | | 6.88 | 85525 | | 9.10 |
| 1214B09 20488526 | 41133 | | 5.25 | 162145 | | 6.88 | 90427 | | 9.09 |
| 1214B10 20489338\ | 41403 | | 5.26 | 127105 | | 6.89 | 60023 | | 9.11 |
| 1214B11 20489339\ | 34064 | | 5.26 | 115868 | | 6.89 | 59772 | | 9.10 |
| 1214B12 20488920 | 36138 | | 5.26 | 146450 | | 6.89 | 82291 | | 9.10 |
| 1214B13 20488919 | 52937 | | 5.25 | 191301 | | 6.88 | 98682 | | 9.09 |
| 1214B14 20488923 | 48685 | | 5.25 | 177471 | | 6.88 | 95075 | | 9.09 |
| 1214B15 20488924 | 53709 | | 5.26 | 182523 | | 6.89 | 96784 | | 9.10 |
| 1214B16 20488925 | 43094 | | 5.26 | 157515 | | 6.89 | 86850 | | 9.10 |
| 1214B17 20489231 | 43312 | | 5.26 | 150595 | | 6.89 | 82534 | | 9.10 |
| 1214B18 20489238 | 43163 | | 5.26 | 159850 | | 6.89 | 89369 | | 9.10 |
| 1214B19 20488042 | 30225 | | 5.27 | 128043 | | 6.89 | 89318 | | 9.10 |

IS1 (DCB) = CI30 1,4-Diclbenzene-d4
IS2 (NPT) = CI40 Naphthalene-d8
IS3 (ANT) = CI50 Acenaphthene-d10

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = 0.5 minutes of internal standard RT
RT LOWER LIMIT = -0.5 minutes of internal standard RT

# Column to be used to flag values outside QC limit with an asterisk
* Values outside of contract required QC limits

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name : Contract :
Project : Site : Location : Group :
Lab File ID (Standard): 1214B01.D Date Analyzed : 14 Dec 2006
Instrument ID : 5973N Time Analyzed : 9:26
GC Column : ID : (mm) Heated Purge (Y:N) :

| | IS4 (PHN) | | | IS5 (CRY) | | | IS6 (PRY) | | |
|---|---|---|---|---|---|---|---|---|---|
| | Area | # | RT # | Area | # | RT # | Area | # | RT # |
| 12 HOUR STD | 86075 | | 10.95 | 138782 | | 14.56 | 126513 | | 16.62 |
| UPPER LIMIT | 172150 | | 11.45 | 277564 | | 15.06 | 253026 | | 17.12 |
| LOWER LIMIT | 43038 | | 10.45 | 69391 | | 14.06 | 63257 | | 16.12 |
| File ID Sample | | | | | | | | | |
| 1214B04 20489336\ | 162604 | | 10.94 | 179164 | | 14.55 | 186747 | | 16.61 |
| 1214B05 20489337\ | 88229 | | 10.95 | 149623 | | 14.56 | 114373 | | 16.62 |
| 1214B06 20489821\ | 144721 | | 10.94 | 156580 | | 14.55 | 196707 | | 16.61 |
| 1214B07 20489822\ | 94849 | | 10.95 | 150325 | | 14.57 | 121778 | | 16.63 |
| 1214B08 20489925 | 130046 | | 10.94 | 160499 | | 14.55 | 185480 | | 16.61 |
| 1214B09 20488526 | 148926 | | 10.94 | 187260 | | 14.55 | 158509 | | 16.61 |
| 1214B10 20489338\ | 94387 | | 10.95 | 152106 | | 14.58 | 112375 | | 16.63 |
| 1214B11 20489339\ | 96442 | | 10.95 | 146550 | | 14.58 | 104722 | | 16.63 |
| 1214B12 20488920 | 137629 | | 10.95 | 169152 | | 14.56 | 179418 | | 16.62 |
| 1214B13 20488919 | 139799 | | 10.94 | 176528 | | 14.55 | 186682 | | 16.61 |
| 1214B14 20488923 | 156369 | | 10.94 | 191340 | | 14.55 | 195022 | | 16.61 |
| 1214B15 20488924 | 169846 | | 10.95 | 199745 | | 14.56 | 187393 | | 16.62 |
| 1214B16 20488925 | 149483 | | 10.95 | 190463 | | 14.56 | 182261 | | 16.62 |
| 1214B17 20489231 | 143826 | | 10.95 | 168313 | | 14.56 | 144614 | | 16.62 |
| 1214B18 20489238 | 156107 | | 10.95 | 188256 | | 14.56 | 173683 | | 16.62 |
| 1214B19 20488042 | 168073 | | 10.95 | 172779 | | 14.57 | 69471 | | 16.63 |

IS4 (PHN) = CI60 Phenanthrene-d10
IS5 (CRY) = CI70 Chrysene-d12
IS6 (PRY) = CI75 Perylene-d12

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = 0.5 minutes of internal standard RT
RT LOWER LIMIT = -0.5 minutes of internal standard RT

# Column to be used to flag values outside QC limit with an asterisk
* Values outside of contract required QC limits

Pace Analytical™
www.pacelabs.com

**ICP-METALS**

**SAMPLES, QC & RAW DATA**

**SDG: 2064976**

# Report of Laboratory Analysis

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

**Client ID:** 2WSW6-EPA
**Client:** EA Engineering,Science &Tech
**Project:** Gulfco Marine Superfund Site
**Site:** None
**Lab ID:** 20489238
**Project No.:** 2064976
**Description:** None
**Matrix:** Water
**%Moisture:** n/a
**Collected:** 12/06/06
**Received:** 12/08/06

| ParameterName | Method | Batch | DF | Result | Qu | Units | Adjusted MDL | Reporting Limit | Prep. | Analysis | | Reg. Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aluminum | EPA 6010 | 80238 | 1 | 1720 | | ug/L | 41.3 | 200. | 12/20 | 12/21 14:08 | KJR (1) | |
| Antimony | EPA 6010 | 80238 | 1 | ND | | ug/L | 11.1 | 60.0 | 12/20 | 12/21 14:08 | KJR (1) | |
| Arsenic | EPA 6010 | 80238 | 1 | 8.33 | J | ug/L | 6.05 | 10.0 | 12/20 | 12/21 14:08 | KJR (1) | |
| Barium | EPA 6010 | 80238 | 1 | 322. | | ug/L | 7.06 | 200. | 12/20 | 12/21 14:08 | KJR (1) | |
| Beryllium | EPA 6010 | 80238 | 1 | ND | | ug/L | 0.380 | 5.00 | 12/20 | 12/21 14:08 | KJR (1) | |
| Boron | EPA 6010 | 80238 | 1 | 583. | | ug/L | 8.82 | 50.0 | 12/20 | 12/21 14:08 | KJR (1) | |
| Cadmium | EPA 6010 | 80238 | 1 | 0.616 | J | ug/L | 0.374 | 5.00 | 12/20 | 12/21 14:08 | KJR (1) | |
| Cobalt | EPA 6010 | 80238 | 1 | ND | | ug/L | 1.95 | 10.0 | 12/20 | 12/21 14:08 | KJR (1) | |
| Copper | EPA 6010 | 80238 | 1 | ND | | ug/L | 3.18 | 10.0 | 12/20 | 12/21 14:08 | KJR (1) | |
| Iron | EPA 6010 | 80238 | 1 | 1350 | | ug/L | 49.5 | 100. | 12/20 | 12/21 14:08 | KJR (1) | |
| Lead | EPA 6010 | 80238 | 1 | ND | | ug/L | 2.90 | 5.00 | 12/20 | 12/21 14:08 | KJR (1) | |
| Lithium | EPA 6010 | 80238 | 1 | 56.1 | | ug/L | 6.62 | 50.0 | 12/20 | 12/21 14:08 | KJR (1) | |
| Manganese | EPA 6010 | 80238 | 1 | 290. | | ug/L | 9.84 | 15.0 | 12/20 | 12/21 14:08 | KJR (1) | |
| Mercury | EPA 7470 | 80237 | 1 | ND | | ug/L | 0.0111 | 0.200 | 12/20 | 12/20 12:08 | KDG (1) | |
| Nickel | EPA 6010 | 80238 | 1 | ND | | ug/L | 28.6 | 40.0 | 12/20 | 12/21 14:08 | KJR (1) | |
| Selenium | EPA 6010 | 80238 | 1 | 41.9 | | ug/L | 5.91 | 35.0 | 12/20 | 12/21 14:08 | KJR (1) | |
| Silver | EPA 6010 | 80238 | 1 | ND | | ug/L | 1.50 | 10.0 | 12/20 | 12/21 14:08 | KJR (1) | |
| Thallium | EPA 6010 | 80238 | 1 | 5.00 | J | ug/L | 4.31 | 10.0 | 12/20 | 12/21 14:08 | KJR (1) | |
| Titanium | EPA 6010 | 80238 | 1 | 21.2 | | ug/L | 0.512 | 10.0 | 12/20 | 12/21 14:08 | KJR (1) | |
| Zinc | EPA 6010 | 80238 | 1 | 28.9 | | ug/L | 2.62 | 20.0 | 12/20 | 12/21 14:08 | KJR (1) | |

20 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
(1b) Flash point less than 140 degrees F is hazardous for ignitibility.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

1/5/2007 10:15:04

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Pace Analytical®
New Orleans Laboratory

# Report of Quality Control

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Not project specific

**Project:** 2064976

| Parameter | Batch | Blank | ARL | Units | LCS Spike | LCS %Rec | LCSD %Rec | LCS RPD | MS Spike | MS %Rec | MSD %Rec | (1)MS DUP RPD | QC Limits LCS | QC Limits MS/MSD | RPD Max | Qu |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | 80237 | | | ug/L | | | | | 1 | 102 | 102 | 0 | - | 75 - 125 | 20 | |
| Mercury | 80237 | ND | 0.200 | ug/L | 1 | 103 | | | 1 | 98 | 102 | 4 | 80 - 120 | 75 - 125 | 20 | |
| Mercury | 80237 | | | ug/L | | | | | 1 | 99 | 100 | 2 | - | 75 - 125 | 20 | |
| Aluminum | 80238 | | | ug/L | | | | | 10000 | 108 | 140 | 23 * | - | 34 - 177 | 20 | |
| Aluminum | 80238 | ND | 200. | ug/L | 10000 | 102 | | | 10000 | 141 | 118 | 8 | 71 - 132 | 34 - 177 | 20 | |
| Aluminum | 80238 | | | ug/L | | | | | 10000 | 162 | 163 | 0 | - | 34 - 177 | 20 | |
| Antimony | 80238 | | | ug/L | | | | | 1000 | 93 | 91 | 3 | - | 51 - 146 | 20 | |
| Antimony | 80238 | ND | 60.0 | ug/L | 1000 | 100 | | | 1000 | 88 | 88 | 0 | 78 - 128 | 51 - 146 | 20 | |
| Antimony | 80238 | | | ug/L | | | | | 1000 | 83 | 98 | 17 | - | 51 - 146 | 20 | |
| Arsenic | 80238 | | | ug/L | | | | | 1000 | 82 | 100 | 18 | - | 68 - 130 | 20 | |
| Arsenic | 80238 | ND | 10.0 | ug/L | 1000 | 100 | | | 1000 | 88 | 89 | 0 | 79 - 122 | 68 - 130 | 20 | |
| Arsenic | 80238 | | | ug/L | | | | | 1000 | 90 | 92 | 2 | - | 68 - 130 | 20 | |
| Barium | 80238 | | | ug/L | | | | | 1000 | 89 | 93 | 2 | - | 56 - 133 | 20 | |
| Barium | 80238 | | | ug/L | | | | | 1000 | 83 | 109 | 19 | - | 56 - 133 | 20 | |
| Barium | 80238 | ND | 200. | ug/L | 1000 | 102 | | | 1000 | 91 | 85 | 3 | 80 - 120 | 56 - 133 | 20 | |
| Beryllium | 80238 | | | ug/L | | | | | 1000 | 92 | 94 | 2 | - | 66 - 129 | 20 | |
| Beryllium | 80238 | ND | 5.00 | ug/L | 1000 | 98 | | | 1000 | 90 | 88 | 2 | 81 - 118 | 66 - 129 | 20 | |
| Beryllium | 80238 | | | ug/L | | | | | 1000 | 83 | 99 | 17 | - | 66 - 129 | 20 | |
| Boron | 80238 | ND | 50.0 | ug/L | 1000 | 88 | | | 1000 | 78 | 75 | 2 | 76 - 121 | 51 - 140 | 20 | |
| Boron | 80238 | | | ug/L | | | | | 1000 | 85 | 83 | 2 | - | 51 - 140 | 20 | |
| Boron | 80238 | | | ug/L | | | | | 1000 | 70 | 92 | 18 | - | 51 - 140 | 20 | |
| Cadmium | 80238 | | | ug/L | | | | | 1000 | 85 | 88 | 4 | - | 44 - 146 | 20 | |
| Cadmium | 80238 | | | ug/L | | | | | 1000 | 80 | 96 | 18 | - | 44 - 146 | 20 | |
| Cadmium | 80238 | ND | 5.00 | ug/L | 1000 | 99 | | | 1000 | 84 | 83 | 2 | 81 - 119 | 44 - 146 | 20 | |
| Cobalt | 80238 | | | ug/L | | | | | 1000 | 86 | 89 | 3 | - | 63 - 123 | 20 | |
| Cobalt | 80238 | | | ug/L | | | | | 1000 | 81 | 97 | 18 | - | 63 - 123 | 20 | |
| Cobalt | 80238 | ND | 10.0 | ug/L | 1000 | 98 | | | 1000 | 83 | 82 | 2 | 82 - 120 | 63 - 123 | 20 | |
| Copper | 80238 | ND | 10.0 | ug/L | 1000 | 100 | | | 1000 | 99 | 97 | 2 | 77 - 123 | 62 - 136 | 20 | |
| Copper | 80238 | | | ug/L | | | | | 1000 | 87 | 106 | 19 | - | 62 - 136 | 20 | |
| Copper | 80238 | | | ug/L | | | | | 1000 | 92 | 96 | 4 | - | 62 - 136 | 20 | |
| Iron | 80238 | | | ug/L | | | | | 10000 | 94 | 97 | 1 | - | 13 - 188 | 20 | |
| Iron | 80238 | ND | 100. | ug/L | 10000 | 98 | | | 10000 | 75 | 57 | 4 | 74 - 128 | 13 - 188 | 20 | |
| Iron | 80238 | | | ug/L | | | | | 10000 | 87 | 121 | 20 | - | 13 - 188 | 20 | |
| Lead | 80238 | ND | 5.00 | ug/L | 1000 | 99 | | | 1000 | 84 | 84 | 0 | 79 - 122 | 58 - 131 | 20 | |
| Lead | 80238 | | | ug/L | | | | | 1000 | 80 | 95 | 17 | - | 58 - 131 | 20 | |
| Lead | 80238 | | | ug/L | | | | | 1000 | 88 | 90 | 2 | - | 58 - 131 | 20 | |
| Lithium | 80238 | | | ug/L | | | | | 1000 | 91 | 93 | 2 | - | 49 - 154 | 20 | |
| Lithium | 80238 | ND | 50.0 | ug/L | 1000 | 98 | | | 1000 | 109 | 106 | 3 | 83 - 119 | 49 - 154 | 20 | |
| Lithium | 80238 | | | ug/L | | | | | 1000 | 86 | 98 | 13 | - | 49 - 154 | 20 | |
| Manganese | 80238 | ND | 15.0 | ug/L | 1000 | 100 | | | 1000 | 75 | 62 | 3 | 80 - 122 | 38 - 155 | 20 | |
| Manganese | 80238 | | | ug/L | | | | | 1000 | 85 | 81 | 1 | - | 38 - 155 | 20 | |

1/5/2007 10:15:19

ARL denotes Adjusted Reporting Limit , corrected for sample size, dilution and moisture content as applicable.
* denotes recovery outside of QC limits.
(1) MS RPD is calculated via SW-846 rules: on the basis of spiked sample concentrations rather than spike recoveries.

*New Orleans Laboratory Certifications*
*Louisiana Dept. of Environmental Quality (LELAP) - 02006*
*Arkansas Dept. of Environmental Quality - 88-0681*
*Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023*
*Florida Dept. of Health (NELAC) - E87595*
*Kansas Dept. of Health Environment - E-10266*
*U.S. Dept. of Agriculture Foreign Soil Permit - S-47270*

Pace Analytical®
New Orleans Laboratory

# Report of Quality Control

**Pace Analytical Services, Inc.**
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

**Project:** 2064976

| Parameter | Batch | Blank | ARL | Units | LCS Spike | LCS %Rec | LCSD %Rec | LCS RPD | MS Spike | MS %Rec | MSD %Rec | (1)MS DUP RPD | RPD | QC Limits LCS | QC Limits MS/MSD | RPD Max | Qu |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Manganese | 80238 | | | ug/L | | | | | 1000 | 62 | 100 | 17 | | - | 38 - 155 | 20 | |
| Nickel | 80238 | | | ug/L | | | | | 1000 | 82 | 99 | 18 | | - | 57 - 129 | 20 | |
| Nickel | 80238 | ND | 40.0 | ug/L | 1000 | 101 | | | 1000 | 85 | 84 | 1 | | 80 - 121 | 57 - 129 | 20 | |
| Nickel | 80238 | | | ug/L | | | | | 1000 | 87 | 91 | 3 | | - | 57 - 129 | 20 | |
| Selenium | 80238 | | | ug/L | | | | | 1000 | 92 | 97 | 4 | | - | 59 - 131 | 20 | |
| Selenium | 80238 | | | ug/L | | | | | 1000 | 84 | 100 | 17 | | - | 59 - 131 | 20 | |
| Selenium | 80238 | ND | 35.0 | ug/L | 1000 | 104 | | | 1000 | 89 | 92 | 3 | | 76 - 120 | 59 - 131 | 20 | |
| Silver | 80238 | | | ug/L | | | | | 500 | 93 | 93 | 0 | | - | 10 - 154 | 20 | |
| Silver | 80238 | ND | 10.0 | ug/L | 500 | 96 | | | 500 | 92 | 90 | 2 | | 67 - 129 | 10 - 154 | 20 | |
| Silver | 80238 | | | ug/L | | | | | 500 | 108 | 100 | 7 | | - | 10 - 154 | 20 | |
| Thallium | 80238 | | | ug/L | | | | | 1000 | 77 | 92 | 17 | | - | 47 - 133 | 20 | |
| Thallium | 80238 | | | ug/L | | | | | 1000 | 79 | 82 | 4 | | - | 47 - 133 | 20 | |
| Thallium | 80238 | ND | 10.0 | ug/L | 1000 | 98 | | | 1000 | 74 | 74 | 1 | | 75 - 122 | 47 - 133 | 20 | |
| Titanium | 80238 | | | ug/L | | | | | 1000 | 96 | 94 | 1 | | - | 55 - 134 | 20 | |
| Titanium | 80238 | | | ug/L | | | | | 1000 | 85 | 103 | 18 | | - | 55 - 134 | 20 | |
| Titanium | 80238 | ND | 10.0 | ug/L | 1000 | 98 | | | 1000 | 91 | 86 | 5 | | 79 - 120 | 55 - 134 | 20 | |
| Zinc | 80238 | | | ug/L | | | | | 1000 | 94 | 90 | 4 | | - | 51 - 139 | 20 | |
| Zinc | 80238 | | | ug/L | | | | | 1000 | 83 | 99 | 17 | | - | 51 - 139 | 20 | |
| Zinc | 80238 | ND | 20.0 | ug/L | 1000 | 101 | | | 1000 | 86 | 85 | 1 | | 78 - 124 | 51 - 139 | 20 | |



ARL denotes Adjusted Reporting Limit , corrected for sample size, dilution and moisture content as applicable.
* denotes recovery outside of QC limits.
(1) MS RPD is calculated via SW-846 rules: on the basis of spiked sample concentrations rather than spike recoveries.

*New Orleans Laboratory Certifications*
*Louisiana Dept. of Environmental Quality (LELAP) - 02006*
*Arkansas Dept. of Environmental Quality - 88-0681*
*Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023*
*Florida Dept. of Health (NELAC) - E87595*
*Kansas Dept. of Health Environment - E-10266*
*U.S. Dept. of Agriculture Foreign Soil Permit - S-47270*

# INSTRUMENT RUNLOG

## Instrument: N Page 1 of 2

KR 12/22/06

## METALS ICAP N1221A

| File | Lab ID | Extra | Batch | DF | Date | Time | Comments |
|---|---|---|---|---|---|---|---|
| 1 | S0 | | | 1 | 12/21/06 | 10:08 | |
| 2 | S1 | 2464974 | | 1 | 12/21/06 | 10:13 | |
| 3 | S2 | | | 1 | 12/21/06 | 10:18 | |
| 4 | HIGH | 2464576 | | 1 | 12/21/06 | 10:23 | |
| 5 | ICV1 | | | 1 | 12/21/06 | 10:28 | |
| 6 | ICB1 | | | 1 | 12/21/06 | 10:32 | |
| 7 | ICSA1 | | | 1 | 12/21/06 | 10:37 | |
| 8 | ICSAB1 | | | 1 | 12/21/06 | 10:42 | |
| 9 | CRI1 | | | 1 | 12/21/06 | 10:47 | |
| 10 | CCV1 | | | | 12/21/06 | 10:52 | |
| 11 | CCB1 | | | | 12/21/06 | 10:57 | |
| 12 | 20491436 | | 80241 | 1 | 12/21/06 | 11:02 | |
| 13 | 20491437 | | 80241 | 1 | 12/21/06 | 11:07 | |
| 14 | 20488920 | | 80241 | 1 | 12/21/06 | 11:13 | |
| 15 | 20491438 | | 80241 | 1 | 12/21/06 | 11:18 | |
| 16 | 20491439 | | 80241 | 1 | 12/21/06 | 11:23 | |
| 17 | 20488921 | | 80241 | 1 | 12/21/06 | 11:28 | |
| 18 | 20491440 | | 80241 | 1 | 12/21/06 | 11:33 | |
| 19 | 20491441 | | 80241 | 1 | 12/21/06 | 11:38 | |
| 20 | 20488922 | | 80241 | 1 | 12/21/06 | 11:43 | |
| 21 | 20491442 | | 80241 | 1 | 12/21/06 | 11:48 | |
| 22 | CCV2 | | | | 12/21/06 | 11:53 | |
| 23 | CCB2 | | | | 12/21/06 | 11:58 | |
| 24 | 20491443 | | 80241 | 1 | 12/21/06 | 12:03 | |
| 25 | 20488919 | | 80241 | 1 | 12/21/06 | 12:08 | |
| 26 | 20488923 | | 80241 | 1 | 12/21/06 | 12:13 | |
| 27 | 20488924 | | 80241 | 1 | 12/21/06 | 12:20 | |
| 28 | 20489231 | | 80241 | 1 | 12/21/06 | 12:25 | |
| 29 | CCV3 | | | | 12/21/06 | 12:30 | |
| 30 | CCB3 | | | | 12/21/06 | 12:35 | |
| 31 | 20491420 | | 80238 | 1 | 12/21/06 | 12:40 | |
| 32 | 20491421 | | 80238 | 1 | 12/21/06 | 12:44 | |
| 33 | 20488920 | | 80238 | 1 | 12/21/06 | 12:49 | |
| 34 | 20491422 | | 80238 | 1 | 12/21/06 | 12:54 | |
| 35 | 20491423 | | 80238 | 1 | 12/21/06 | 12:59 | |
| 36 | 20488921 | | 80238 | 1 | 12/21/06 | 13:03 | |
| 37 | 20491424 | | 80238 | 1 | 12/21/06 | 13:08 | |
| 38 | 20491425 | | 80238 | 1 | 12/21/06 | 13:13 | |
| 39 | 20488922 | | 80238 | 1 | 12/21/06 | 13:18 | |
| 40 | 20491426 | | 80238 | 1 | 12/21/06 | 13:25 | |
| 41 | CCV4 | | | | 12/21/06 | 13:29 | |
| 42 | CCB4 | | | | 12/21/06 | 13:34 | |
| 43 | 20491427 | | 80238 | 1 | 12/21/06 | 13:39 | |
| 44 | 20488919 | | 80238 | 1 | 12/21/06 | 13:43 | |
| 45 | 20488923 | | 80238 | 1 | 12/21/06 | 13:48 | |
| 46 | 20488924 | | 80238 | 1 | 12/21/06 | 13:53 | |
| 47 | 20488925 | | 80238 | 1 | 12/21/06 | 13:58 | |
| 48 | 20489231 | | 80238 | 1 | 12/21/06 | 14:03 | |
| 49 | 20489238 | | 80238 | 1 | 12/21/06 | 14:08 | 050005 |

Project sample

ProDatPlus v. 5.03 12/21/2006 20:58:17

KR 1/5/07

# INSTRUMENT RUNLOG

## Instrument: N Page 2 of 2

## METALS ICAP N1221A

| File | Lab ID | Extra | Batch | DF | Date | Time | Comments |
|---|---|---|---|---|---|---|---|
| 50 | 20489074 | | 80238 | 1 | 12/21/06 | 14:13 | |
| 51 | ICSA2 | | | 1 | 12/21/06 | 14:18 | |
| 52 | ICSAB2 | | | 1 | 12/21/06 | 14:23 | |
| 53 | CRI2 | | | 1 | 12/21/06 | 14:30 | |
| 54 | CCV5 | | | | 12/21/06 | 14:35 | |
| 55 | CCB5 | | | | 12/21/06 | 14:40 | |
| 56 | 20491034 | | 80238 | 1 | 12/21/06 | 14:45 | |
| 57 | 20491035 | | 80238 | 1 | 12/21/06 | 14:50 | |
| 58 | 20491036 | | 80238 | 1 | 12/21/06 | 14:55 | |
| 59 | 20491037 | | 80238 | 1 | 12/21/06 | 15:00 | |
| 60 | 20491046 | | 80238 | 1 | 12/21/06 | 15:04 | |
| 61 | 20491047 | | 80238 | 1 | 12/21/06 | 15:10 | |
| 62 | 20491048 | | 80238 | 1 | 12/21/06 | 15:15 | |
| 63 | 20491049 | | 80238 | 1 | 12/21/06 | 15:20 | |
| 64 | 20491054 | | 80238 | 1 | 12/21/06 | 15:25 | |
| 65 | CCV6 | | | | 12/21/06 | 15:30 | |
| 66 | CCB6 | | | | 12/21/06 | 15:36 | |
| 67 | ICSA3 | | | 1 | 12/21/06 | 15:41 | |
| 68 | ICSAB3 | | | 1 | 12/21/06 | 15:46 | |
| 69 | CRI3 | | | 1 | 12/21/06 | 15:51 | |
| 70 | CCV7 | | | | 12/21/06 | 15:56 | |
| 71 | CCB7 | | | | 12/21/06 | 16:01 | |
| 72 | 20491286 | | | 1 | 12/21/06 | 16:06 | |
| 73 | 20491349 | | | 1 | 12/21/06 | 16:11 | |
| 74 | 20491397 | | | 1 | 12/21/06 | 16:16 | |
| 75 | 20491398 | | | 1 | 12/21/06 | 16:21 | |
| 76 | 20491399 | | | 1 | 12/21/06 | 16:25 | |
| 77 | 20491270 | | | 1 | 12/21/06 | 16:30 | |
| 78 | 20491277 | | | 1 | 12/21/06 | 16:35 | |
| 79 | 20491278 | | | 1 | 12/21/06 | 16:42 | |
| 80 | 20491285 | | | 1 | 12/21/06 | 16:46 | |
| 81 | 20491479 | | | 1 | 12/21/06 | 16:51 | |
| 82 | CCV8 | | | | 12/21/06 | 16:56 | |
| 83 | CCB8 | | | | 12/21/06 | 17:01 | |
| 84 | 20491382 | | | 1 | 12/21/06 | 17:06 | |
| 85 | 20191384 | | | 1 | 12/21/06 | 17:11 | |
| 86 | 20491458 | | | 1 | 12/21/06 | 17:16 | |
| 87 | 20491494 | | | 1 | 12/21/06 | 17:21 | |
| 88 | 20491495 | | | 1 | 12/21/06 | 17:26 | |
| 89 | rinse | | | 1 | 12/21/06 | 17:31 | |
| 90 | ICSA4 | | | 1 | 12/21/06 | 17:36 | |
| 91 | ICSAB4 | | | 1 | 12/21/06 | 17:41 | |
| 92 | CRI4 | | | 1 | 12/21/06 | 17:47 | |
| 93 | CCV10 | | | | 12/21/06 | 17:52 | |
| 94 | CCB10 | | | | 12/21/06 | 17:57 | |

**050006**

# ILM - FORM 2A
## INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Pace Analytical Services, Inc.
Sequence: N1221A ICP1

Initial Calibration Source:
ICV name: ICV1 ICV time: 12/21/2006 10:28:01 A

Continuing Calibration Source:
CCV1 name: CCV1 CCV1 time: 12/21/2006 10:52:33 A

Concentration Units: ug/L
CCV2 name: CCV2 CCV2 time: 12/21/2006 11:53:43 A

| | Initial Calibration | | | | Continuing Calibration | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Analyte | High | True | Found | %R | True | Found | %R | Found | %R |
| Aluminum | | 5500 | 5569.837 | 101.3 | 10000 | 10228.217 | 102.3 | 9405.937 | 94.1 |
| Antimony | | 550 | 537.167 | 97.7 | 1000 | 980.657 | 98.1 | 916.627 | 91.7 |
| Arsenic | | 550 | 539.270 | 98.0 | 1000 | 993.104 | 99.3 | 919.118 | 91.9 |
| Barium | | 550 | 558.408 | 101.5 | 1000 | 1017.143 | 101.7 | 936.528 | 93.7 |
| Beryllium | | 550 | 545.384 | 99.2 | 1000 | 975.787 | 97.6 | 899.625 | 90.0 * |
| Boron | | 550 | 596.845 | 108.5 | 1000 | 1004.647 | 100.5 | 954.798 | 95.5 |
| Cadmium | | 550 | 533.568 | 97.0 | 1000 | 1010.936 | 101.1 | 929.983 | 93.0 |
| Calcium | | 5500 | 5286.411 | 96.1 | 10000 | 9957.051 | 99.6 | 9282.757 | 92.8 |
| Chromium | | 550 | 521.323 | 94.8 | 1000 | 1007.175 | 100.7 | 929.449 | 92.9 |
| Cobalt | | 550 | 533.070 | 96.9 | 1000 | 983.766 | 98.4 | 917.222 | 91.7 |
| Copper | | 550 | 541.105 | 98.4 | 1000 | 1001.368 | 100.1 | 927.012 | 92.7 |
| Iron | | 5500 | 5345.527 | 97.2 | 10000 | 9942.412 | 99.4 | 9230.890 | 92.3 |
| Lead | | 550 | 532.617 | 96.8 | 1000 | 979.821 | 98.0 | 911.916 | 91.2 |
| Lithium | | 550 | 538.924 | 98.0 | 1000 | 1030.061 | 103.0 | 995.367 | 99.5 |
| Magnesium | | 5500 | 5234.257 | 95.2 | 10000 | 10146.582 | 101.5 | 9343.464 | 93.4 |
| Manganese | | 550 | 532.981 | 96.9 | 1000 | 1026.112 | 102.6 | 946.262 | 94.6 |
| Molybdenum | | 550 | 542.009 | 98.5 | 1000 | 966.225 | 96.6 | 907.124 | 90.7 |
| Nickel | | 550 | 540.330 | 98.2 | 1000 | 987.851 | 98.8 | 921.708 | 92.2 |
| Potassium | | 5500 | 5507.701 | 100.1 | 10000 | 10165.634 | 101.7 | 9762.801 | 97.6 |
| Selenium | | 550 | 570.668 | 103.8 | 1000 | 990.472 | 99.0 | 948.854 | 94.9 |
| Silicon | | 2750 | 2876.209 | 104.6 | 5000 | 4916.597 | 98.3 | 4620.674 | 92.4 |
| Silver | | 275 | 257.490 | 93.6 | 500 | 479.916 | 96.0 | 451.810 | 90.4 |
| Sodium | | 5500 | 5706.574 | 103.8 | 10000 | 10339.114 | 103.4 | 10309.199 | 103.1 |
| Strontium | | 550 | 579.705 | 105.4 | 1000 | 1085.451 | 108.5 | 1035.355 | 103.5 |
| Thallium | | 550 | 548.435 | 99.7 | 1000 | 958.395 | 95.8 | 901.978 | 90.2 |
| Tin | | 550 | 549.401 | 99.9 | 1000 | 1003.688 | 100.4 | 938.243 | 93.8 |
| Titanium | | 550 | 524.044 | 95.3 | 1000 | 971.153 | 97.1 | 895.633 | 89.6 * |
| Vanadium | | 550 | 544.966 | 99.1 | 1000 | 1011.965 | 101.2 | 931.030 | 93.1 |
| Zinc | | 550 | 545.197 | 99.1 | 1000 | 995.018 | 99.5 | 922.489 | 92.2 |

050007

QC Limits 90-110% (85-115% for mercury CCV)
Method 200.7 High Standard QC Limits 95-105%

# ILM - FORM 2A
## INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Pace Analytical Services, Inc. Sequence:

Initial Calibration Source: ICV name: ICV time:

Continuing Calibration Source: CCV1 name: CCV3 CCV1 time: 12/21/2006 12:30:18 P

Concentration Units: ug/L CCV2 name: CCV4 CCV2 time: 12/21/2006 1:29:28 PM

| | Initial Calibration | | | | Continuing Calibration | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Analyte | High | True | Found | %R | True | Found | %R | Found | %R |
| Aluminum | | | | | 10000 | 9956.710 | 99.6 | 9636.784 | 96.4 |
| Antimony | | | | | 1000 | 979.855 | 98.0 | 962.631 | 96.3 |
| Arsenic | | | | | 1000 | 983.049 | 98.3 | 950.736 | 95.1 |
| Barium | | | | | 1000 | 984.283 | 98.4 | 961.286 | 96.1 |
| Beryllium | | | | | 1000 | 972.395 | 97.2 | 950.271 | 95.0 |
| Boron | | | | | 1000 | 1022.970 | 102.3 | 1022.329 | 102.2 |
| Cadmium | | | | | 1000 | 982.391 | 98.2 | 959.188 | 95.9 |
| Calcium | | | | | 10000 | 9996.170 | 100.0 | 9826.243 | 98.3 |
| Chromium | | | | | 1000 | 979.205 | 97.9 | 962.837 | 96.3 |
| Cobalt | | | | | 1000 | 979.044 | 97.9 | 974.428 | 97.4 |
| Copper | | | | | 1000 | 974.042 | 97.4 | 957.286 | 95.7 |
| Iron | | | | | 10000 | 9872.622 | 98.7 | 9736.082 | 97.4 |
| Lead | | | | | 1000 | 974.576 | 97.5 | 968.131 | 96.8 |
| Lithium | | | | | 1000 | 985.282 | 98.5 | 1001.864 | 100.2 |
| Magnesium | | | | | 10000 | 10135.504 | 101.4 | 9667.800 | 96.7 |
| Manganese | | | | | 1000 | 997.253 | 99.7 | 979.222 | 97.9 |
| Molybdenum | | | | | 1000 | 969.774 | 97.0 | 964.077 | 96.4 |
| Nickel | | | | | 1000 | 980.819 | 98.1 | 975.415 | 97.5 |
| Potassium | | | | | 10000 | 9766.961 | 97.7 | 10032.238 | 100.3 |
| Selenium | | | | | 1000 | 985.414 | 98.5 | 966.874 | 96.7 |
| Silicon | | | | | 5000 | 4930.471 | 98.6 | 4897.115 | 97.9 |
| Silver | | | | | 500 | 484.272 | 96.9 | 484.892 | 97.0 |
| Sodium | | | | | 10000 | 13618.943 | 136.2 * | 10621.249 | 106.2 |
| Strontium | | | | | 1000 | 1004.724 | 100.5 | 1021.075 | 102.1 |
| Thallium | | | | | 1000 | 959.689 | 96.0 | 971.668 | 97.2 |
| Tin | | | | | 1000 | 981.438 | 98.1 | 961.887 | 96.2 |
| Titanium | | | | | 1000 | 964.689 | 96.5 | 944.316 | 94.4 |
| Vanadium | | | | | 1000 | 978.841 | 97.9 | 957.363 | 95.7 |
| Zinc | | | | | 1000 | 984.122 | 98.4 | 974.027 | 97.4 |

050008

QC Limits 90-110% (85-115% for mercury CCV)
Method 200.7 High Standard QC Limits 95-105%

# ILM - FORM 2A
## INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Pace Analytical Services, Inc. Sequence:

Initial Calibration Source: ICV name: ICV time:

Continuing Calibration Source: CCV1 name: CCV5 CCV1 time: 12/21/2006 2:35:12 PM

Concentration Units: ug/L CCV2 name: CCV6 CCV2 time: 12/21/2006 3:30:09 PM

| | Initial Calibration | | | | Continuing Calibration | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Analyte | High | True | Found | %R | True | Found | %R | Found | %R |
| Aluminum | | | | | 10000 | 10110.574 | 101.1 | 9518.321 | 95.2 |
| Antimony | | | | | 1000 | 1014.755 | 101.5 | 957.479 | 95.7 |
| Arsenic | | | | | 1000 | 1011.214 | 101.1 | 942.977 | 94.3 |
| Barium | | | | | 1000 | 1004.746 | 100.5 | 940.792 | 94.1 |
| Beryllium | | | | | 1000 | 1009.999 | 101.0 | 952.161 | 95.2 |
| Boron | | | | | 1000 | 1064.009 | 106.4 | 1017.149 | 101.7 |
| Cadmium | | | | | 1000 | 1003.014 | 100.3 | 942.175 | 94.2 |
| Calcium | | | | | 10000 | 10284.553 | 102.8 | 9713.952 | 97.1 |
| Chromium | | | | | 1000 | 1001.809 | 100.2 | 939.341 | 93.9 |
| Cobalt | | | | | 1000 | 1017.716 | 101.8 | 948.719 | 94.9 |
| Copper | | | | | 1000 | 990.281 | 99.0 | 925.261 | 92.5 |
| Iron | | | | | 10000 | 10229.659 | 102.3 | 9579.339 | 95.8 |
| Lead | | | | | 1000 | 1017.313 | 101.7 | 955.073 | 95.5 |
| Lithium | | | | | 1000 | 1030.096 | 103.0 | 969.394 | 96.9 |
| Magnesium | | | | | 10000 | 10233.301 | 102.3 | 9615.196 | 96.2 |
| Manganese | | | | | 1000 | 1015.916 | 101.6 | 956.809 | 95.7 |
| Molybdenum | | | | | 1000 | 1014.457 | 101.4 | 951.596 | 95.2 |
| Nickel | | | | | 1000 | 1017.160 | 101.7 | 946.837 | 94.7 |
| Potassium | | | | | 10000 | 10208.488 | 102.1 | 9577.534 | 95.8 |
| Selenium | | | | | 1000 | 1032.936 | 103.3 | 973.471 | 97.3 |
| Silicon | | | | | 5000 | 5045.343 | 100.9 | 4774.874 | 95.5 |
| Silver | | | | | 500 | 501.339 | 100.3 | 469.244 | 93.8 |
| Sodium | | | | | 10000 | 11034.190 | 110.3 * | 10612.785 | 106.1 |
| Strontium | | | | | 1000 | 1049.550 | 105.0 | 991.707 | 99.2 |
| Thallium | | | | | 1000 | 1023.875 | 102.4 | 954.610 | 95.5 |
| Tin | | | | | 1000 | 1003.260 | 100.3 | 959.878 | 96.0 |
| Titanium | | | | | 1000 | 1001.267 | 100.1 | 943.980 | 94.4 |
| Vanadium | | | | | 1000 | 991.423 | 99.1 | 932.460 | 93.2 |
| Zinc | | | | | 1000 | 1018.123 | 101.8 | 954.332 | 95.4 |

050009

QC Limits 90-110% (85-115% for mercury CCV)
Method 200.7 High Standard QC Limits 95-105%

# ILM - FORM 2A
## INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Pace Analytical Services, Inc. Sequence:

Initial Calibration Source: ICV name: ICV time:

Continuing Calibration Source: CCV1 name: CCV7 CCV1 time: 12/21/2006 3:56:36 PM

Concentration Units: ug/L CCV2 name: CCV8 CCV2 time: 12/21/2006 4:56:37 PM

| | Initial Calibration | | | | Continuing Calibration | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Analyte | High | True | Found | %R | True | Found | %R | Found | %R |
| Aluminum | | | | | 10000 | 9502.560 | 95.0 | 10752.447 | 107.5 |
| Antimony | | | | | 1000 | 947.487 | 94.7 | 1068.180 | 106.8 |
| Arsenic | | | | | 1000 | 943.901 | 94.4 | 1082.029 | 108.2 |
| Barium | | | | | 1000 | 953.171 | 95.3 | 1081.754 | 108.2 |
| Beryllium | | | | | 1000 | 930.218 | 93.0 | 1037.553 | 103.8 |
| Boron | | | | | 1000 | 1003.917 | 100.4 | 1162.754 | 116.3 * |
| Cadmium | | | | | 1000 | 955.694 | 95.6 | 1084.907 | 108.5 |
| Calcium | | | | | 10000 | 9581.076 | 95.8 | 10943.557 | 109.4 |
| Chromium | | | | | 1000 | 951.503 | 95.2 | 1083.527 | 108.4 |
| Cobalt | | | | | 1000 | 966.630 | 96.7 | 1093.833 | 109.4 |
| Copper | | | | | 1000 | 943.686 | 94.4 | 1076.051 | 107.6 |
| Iron | | | | | 10000 | 9519.220 | 95.2 | 10802.650 | 108.0 |
| Lead | | | | | 1000 | 951.905 | 95.2 | 1074.835 | 107.5 |
| Lithium | | | | | 1000 | 985.818 | 98.6 | 1077.108 | 107.7 |
| Magnesium | | | | | 10000 | 9672.153 | 96.7 | 10726.960 | 107.3 |
| Manganese | | | | | 1000 | 966.050 | 96.6 | 1099.686 | 110.0 |
| Molybdenum | | | | | 1000 | 946.096 | 94.6 | 1064.725 | 106.5 |
| Nickel | | | | | 1000 | 964.445 | 96.4 | 1095.956 | 109.6 |
| Potassium | | | | | 10000 | 9718.791 | 97.2 | 10736.030 | 107.4 |
| Selenium | | | | | 1000 | 970.460 | 97.0 | 1077.454 | 107.7 |
| Silicon | | | | | 5000 | 4728.368 | 94.6 | 5520.594 | 110.4 * |
| Silver | | | | | 500 | 472.801 | 94.6 | 540.181 | 108.0 |
| Sodium | | | | | 10000 | 10231.893 | 102.3 | 11273.682 | 112.7 * |
| Strontium | | | | | 1000 | 1018.678 | 101.9 | 1140.499 | 114.0 * |
| Thallium | | | | | 1000 | 955.910 | 95.6 | 1059.543 | 106.0 |
| Tin | | | | | 1000 | 945.730 | 94.6 | 1078.395 | 107.8 |
| Titanium | | | | | 1000 | 921.454 | 92.1 | 1030.629 | 103.1 |
| Vanadium | | | | | 1000 | 942.051 | 94.2 | 1075.053 | 107.5 |
| Zinc | | | | | 1000 | 965.887 | 96.6 | 1094.378 | 109.4 |

050010

QC Limits 90-110% (85-115% for mercury CCV)
Method 200.7 High Standard QC Limits 95-105%

# ILM - FORM 2A
## INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Pace Analytical Services, Inc. Sequence:

Initial Calibration Source: ICV name: ICV time:

Continuing Calibration Source: CCV1 name: CCV10 CCV1 time: 12/21/2006 5:52:43 PM

Concentration Units: ug/L CCV2 name: CCV2 time:

| | Initial Calibration | | | | Continuing Calibration | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Analyte | High | True | Found | %R | True | Found | %R | Found | %R |
| Aluminum | | | | | 10000 | 10361.427 | 103.6 | | |
| Antimony | | | | | 1000 | 1035.195 | 103.5 | | |
| Arsenic | | | | | 1000 | 1037.385 | 103.7 | | |
| Barium | | | | | 1000 | 1051.399 | 105.1 | | |
| Beryllium | | | | | 1000 | 1020.232 | 102.0 | | |
| Boron | | | | | 1000 | 1115.568 | 111.6 * | | |
| Cadmium | | | | | 1000 | 1052.798 | 105.3 | | |
| Calcium | | | | | 10000 | 10508.963 | 105.1 | | |
| Chromium | | | | | 1000 | 1053.645 | 105.4 | | |
| Cobalt | | | | | 1000 | 1064.593 | 106.5 | | |
| Copper | | | | | 1000 | 1039.372 | 103.9 | | |
| Iron | | | | | 10000 | 10349.614 | 103.5 | | |
| Lead | | | | | 1000 | 1044.455 | 104.4 | | |
| Lithium | | | | | 1000 | 1061.977 | 106.2 | | |
| Magnesium | | | | | 10000 | 10473.907 | 104.7 | | |
| Manganese | | | | | 1000 | 1068.008 | 106.8 | | |
| Molybdenum | | | | | 1000 | 1028.358 | 102.8 | | |
| Nickel | | | | | 1000 | 1064.267 | 106.4 | | |
| Potassium | | | | | 10000 | 10666.162 | 106.7 | | |
| Selenium | | | | | 1000 | 1068.199 | 106.8 | | |
| Silicon | | | | | 5000 | 5377.878 | 107.6 | | |
| Silver | | | | | 500 | 522.017 | 104.4 | | |
| Sodium | | | | | 10000 | 11066.750 | 110.7 * | | |
| Strontium | | | | | 1000 | 1105.719 | 110.6 * | | |
| Thallium | | | | | 1000 | 1051.018 | 105.1 | | |
| Tin | | | | | 1000 | 1028.272 | 102.8 | | |
| Titanium | | | | | 1000 | 1010.675 | 101.1 | | |
| Vanadium | | | | | 1000 | 1040.497 | 104.0 | | |
| Zinc | | | | | 1000 | 1069.112 | 106.9 | | |

050011

QC Limits 90-110% (85-115% for mercury CCV)
Method 200.7 High Standard QC Limits 95-105%

# ILM - Form 4
## ICP INTERFERENCE CHECK SAMPLE

Lab Name: Pace Analytical Services, Inc.

Sequence:

Initial A: ICSA1 ICSA time: 12/15/2006 2:34:08 PM

Initial AB: ICSAB time

Concentration Units: ug/L

Final A: ICSA2 ICSA time: 12/15/2006 6:37:51 PM

Final AB: ICSAB2 ICSAB time: 12/15/2006 6:42:53 PM

| Analyte | True ICSA | True ICSAB | Initial Found ICSA | Initial Found ICSAB | Initial Found %R | Final Found ICSA | Final Found ICSAB | Final Found %R |
|---|---|---|---|---|---|---|---|---|
| Aluminum | 500000 | 500000 | 538542.5 | .0 | .0 * | 543921.9 | 525783.7 | 105.2 |
| Antimony | | 1000 | 9.5 | .0 | .0 * | 1.6 | 998.3 | 99.8 |
| Arsenic | | 1000 | 8.5 | .0 | .0 * | 9.1 | 967.9 | 96.8 |
| Barium | | 1000 | 9.1 | .0 | .0 * | 10.2 | 950.9 | 95.1 |
| Beryllium | | 1000 | .1 | .0 | .0 * | -.1 | 904.8 | 90.5 |
| Boron | | 1000 | 27.4 | .0 | .0 * | 21.7 | 871.3 | 87.1 |
| Cadmium | | 1000 | 5.7 | .0 | .0 * | 6.5 | 872.3 | 87.2 |
| Calcium | 500000 | 500000 | 476226.3 | .0 | .0 * | 486197.5 | 469432.4 | 93.9 |
| Chromium | | 1000 | 61.6 | .0 | .0 * | 62.8 | 971.0 | 97.1 |
| Cobalt | | 1000 | 5.3 | .0 | .0 * | 5.7 | 826.6 | 82.7 |
| Copper | | 1000 | -9.5 | .0 | .0 * | -18.5 | 988.9 | 98.9 |
| Iron | 200000 | 200000 | 193193.5 | .0 | .0 * | 190197.7 | 184097.6 | 92.0 |
| Lead | | 1000 | 3.0 | .0 | .0 * | 7.0 | 862.0 | 86.2 |
| Lithium | | | 3.0 | | | -1.4 | 1000.8 | |
| Magnesium | 500000 | 500000 | 500478.0 | .0 | .0 * | 503960.3 | 489051.6 | 97.8 |
| Manganese | | 1000 | 4.7 | .0 | .0 * | 5.3 | 915.2 | 91.5 |
| Molybdenum | | 1000 | -14.1 | .0 | .0 * | -15.2 | 879.8 | 88.0 |
| Nickel | | 1000 | 2.0 | .0 | .0 * | 3.1 | 829.5 | 83.0 |
| Potassium | | | 28.7 | .0 | | -25.2 | -7.7 | |
| Selenium | | 1000 | -34.8 | .0 | .0 * | -37.7 | 849.6 | 85.0 |
| Silicon | | 1000 | -6596.9 | .0 | .0 * | -6631.7 | 1497.1 | -149.7 * |
| Silver | | 500 | 3.8 | .0 | .0 * | 5.1 | 482.5 | 96.5 |
| Sodium | | 1000 | 74.6 | .0 | .0 | 81.4 | 81.3 | 8.1 |
| Strontium | | | 17.7 | .0 | | 21.6 | 1227.6 | |
| Thallium | | 1000 | -86.1 | .0 | .0 * | -90.8 | 728.6 | 72.9 * |
| Tin | | 1000 | -120.6 | .0 | .0 * | -130.2 | 811.5 | 81.2 |
| Titanium | | 1000 | -3.2 | .0 | .0 * | -3.4 | 948.8 | 94.9 |
| Vanadium | | 1000 | 4.0 | .0 | .0 * | 3.5 | 970.7 | 97.1 |
| Zinc | | 1000 | 8.4 | .0 | .0 * | 26.4 | 842.9 | 84.3 |

ICSAB NOT REQUIRED FOR 6010B

050011 A

QC Limits: 80-120% (50-150% for antimony, lead and thallium) or plus/minus twice the CRDL

1/30/07



FORM IV - IN

# ILM - FORM 3
# BLANKS

Lab Name: Pace Analytical Services, Inc.
Sequence: N1221A ICP1

ICB name: ICB1 ICB time: 12/21/2006 10:32:56 A
CCB1 name: CCB1 CCB1 time: 12/21/2006 10:57:33 A
CCB2 name: CCB2 CCB2 time: 12/21/2006 11:58:43 A
CCB3 name: CCB3 CCB3 time: 12/21/2006 12:35:18 P

Concentration Units: ug/L

| Analyte | Initial Calibration | Continuing Calibration 1 | 2 | 3 | MDL | RRL |
|---|---|---|---|---|---|---|
| Aluminum | 14.362 U | ~~144.915 B~~ | 14.277 U | 36.080 U | 41.28 | 200 |
| Antimony | -3.147 U | -5.141 U | -3.089 U | -2.053 U | 11.09 | 60 |
| Arsenic | -.463 U | 4.108 U | -6.898 B | 3.108 U | 6.05 | 10 |
| Barium | .500 U | .512 U | .178 U | .306 U | 7.06 | 200 |
| Beryllium | .283 U | .304 U | .297 U | .080 U | .38 | 5 |
| Boron | 26.219 B | 20.368 B | 24.922 B | 23.265 B | 8.82 | 50 |
| Cadmium | .471 B | .655 B | .449 B | .277 U | .37 | 5 |
| Calcium | 4.714 U | 112.834 U | 24.964 U | 67.217 U | 184.30 | 500 |
| Chromium | -.367 U | -.028 U | -.516 U | -.732 U | 1.31 | 10 |
| Cobalt | .610 U | .812 U | .306 U | .649 U | 1.95 | 10 |
| Copper | 7.100 B | 7.252 B | 6.490 B | 4.493 B | 3.18 | 10 |
| Iron | -.607 U | 54.259 B | 4.449 U | -5.849 U | 49.48 | 100 |
| Lead | -.044 U | -1.128 U | .523 U | -.829 U | 2.90 | 5 |
| Lithium | 2.807 U | -.386 U | 3.559 U | 2.407 U | 6.62 | 50 |
| Magnesium | 9.294 U | 169.958 B | 27.786 B | 202.270 B | 20.34 | 500 |
| Manganese | .373 U | .339 U | 1.332 U | 1.122 U | 9.85 | 15 |
| Molybdenum | 1.558 U | 1.887 U | .806 U | .453 U | 3.37 | 50 |
| Nickel | 1.853 U | 1.482 U | .727 U | .083 U | 28.55 | 40 |
| Potassium | -40.783 U | 6.306 U | -23.320 U | 76.974 U | 78.10 | 500 |
| Selenium | 18.548 B | 12.006 B | 13.650 B | 8.423 B | 5.91 | 35 |
| Silicon | .027 B | -7.712 B | 1.414 B | -12.674 B | | 50 |
| Silver | -.016 U | -.469 U | .041 U | -.011 U | 1.50 | 10 |
| Sodium | -83.861 U | -173.042 B | 52.269 U | 2264.019 X | 163.20 | 500 |
| Strontium | .413 U | .826 U | .493 U | 1.135 U | 7.63 | 50 |
| Thallium | .074 U | -11.502 X | -1.003 U | -7.281 B | 4.31 | 10 |
| Tin | 2.298 U | 4.305 B | 3.199 U | .055 U | 3.50 | 50 |
| Titanium | .534 B | .541 B | .234 U | .268 U | .51 | 10 |
| Vanadium | .429 U | -.114 U | .012 U | .281 U | 1.00 | 50 |
| Zinc | .825 U | .491 U | .054 U | .015 U | 2.62 | 20 |

not COC

not COC

050012

U = Undetected at MDL B = detected Between MDL and RRL X if blank is above RRL

ProDatPlus v. 5.03 12/21/2006 20:58:25



FORM III - IN

# ILM - FORM 3
# BLANKS

Lab Name: Pace Analytical Services, Inc.  ICB name:  ICB time:

Sequence:  CCB1 name: CCB4  CCB1 time: 12/21/2006 1:34:28 PM

CCB2 name: CCB5  CCB2 time: 12/21/2006 2:40:15 PM

Concentration Units: ug/L  CCB3 name: CCB6  CCB3 time: 12/21/2006 3:36:51 PM

| Analyte | Initial Calibration | Continuing Calibration 1 | 2 | 3 | MDL | RRL |
|---|---|---|---|---|---|---|
| Aluminum | U | 39.667 U | 40.535 U | 37.880 U | 41.28 | 200 |
| Antimony | U | .233 U | -4.782 U | -4.560 U | 11.09 | 60 |
| Arsenic | U | 3.686 U | 5.166 U | .673 U | 6.05 | 10 |
| Barium | U | .779 U | .219 U | .093 U | 7.06 | 200 |
| Beryllium | U | .489 B | .115 U | .048 U | .38 | 5 |
| Boron | U | 27.721 B | 22.082 B | 32.695 B | 8.82 | 50 |
| Cadmium | U | .508 B | .137 U | .034 U | .37 | 5 |
| Calcium | U | 55.425 U | 32.805 U | 28.805 U | 184.30 | 500 |
| Chromium | U | -.629 U | -.008 U | -.751 U | 1.31 | 10 |
| Cobalt | U | .618 U | .520 U | .274 U | 1.95 | 10 |
| Copper | U | 6.420 B | 4.613 B | 1.762 U | 3.18 | 10 |
| Iron | U | 10.225 U | 10.694 U | -7.608 U | 49.48 | 100 |
| Lead | U | -.637 U | .610 U | -.264 U | 2.90 | 5 |
| Lithium | U | 1.684 U | 1.117 U | .279 U | 6.62 | 50 |
| Magnesium | U | 18.971 U | 123.129 B | 41.431 B | 20.34 | 500 |
| Manganese | U | 2.776 U | .509 U | 1.744 U | 9.85 | 15 |
| Molybdenum | U | 1.045 U | .755 U | .222 U | 3.37 | 50 |
| Nickel | U | .169 U | .341 U | -.879 U | 28.55 | 40 |
| Potassium | U | -20.904 U | -56.186 U | -55.629 U | 78.10 | 500 |
| Selenium | U | 7.152 B | 6.910 B | 17.405 B | 5.91 | 35 |
| Silicon | U | 15.318 B | -5.779 B | -2.843 B | | 50 |
| Silver | U | .369 U | -.132 U | -.448 U | 1.50 | 10 |
| Sodium | U | 303.015 B | 416.688 B | 578.181 X | 163.20 | 500 |
| Strontium | U | .548 U | .261 U | .143 U | 7.63 | 50 |
| Thallium | U | -3.465 U | -11.138 X | -2.405 U | 4.31 | 10 |
| Tin | U | 3.099 U | .631 U | .394 U | 3.50 | 50 |
| Titanium | U | .590 B | .077 U | .021 U | .51 | 10 |
| Vanadium | U | .277 U | .095 U | -.093 U | 1.00 | 50 |
| Zinc | U | .819 U | -.019 U | -.687 U | 2.62 | 20 |

nota CC

050013

U = Undetected at MDL  B = detected Between MDL and RRL  X if blank is above RRL

# ILM - FORM 3
# BLANKS

Lab Name: Pace Analytical Services, Inc.

Sequence:

Concentration Units: ug/L

ICB name:

CCB1 name: CCB7

CCB2 name: CCB8

CCB3 name: CCB10

ICB time:

CCB1 time: 12/21/2006 4:01:43 PM

CCB2 time: 12/21/2006 5:01:40 PM

CCB3 time: 12/21/2006 5:57:47 PM

| Analyte | Initial Calibration | Continuing Calibration 1 | 2 | 3 | MDL | RRL |
|---|---|---|---|---|---|---|
| Aluminum | U | 89.853 B | 31.483 U | 67.205 B | 41.28 | 200 |
| Antimony | U | -2.598 U | -3.627 U | -2.912 U | 11.09 | 60 |
| Arsenic | U | 5.371 U | 10.054 X | -2.435 U | 6.05 | 10 |
| Barium | U | .280 U | .274 U | .123 U | 7.06 | 200 |
| Beryllium | U | .127 U | .035 U | .122 U | .38 | 5 |
| Boron | U | 29.440 B | 21.327 B | 13.641 B | 8.82 | 50 |
| Cadmium | U | .224 U | .428 B | .378 B | .37 | 5 |
| Calcium | U | 40.577 U | 13.417 U | 52.178 U | 184.30 | 500 |
| Chromium | U | -.597 U | -.492 U | -.745 U | 1.31 | 10 |
| Cobalt | U | .427 U | .372 U | .625 U | 1.95 | 10 |
| Copper | U | 4.364 B | 3.983 B | 4.178 B | 3.18 | 10 |
| Iron | U | 20.827 U | 4.150 U | 27.266 U | 49.48 | 100 |
| Lead | U | .728 U | .632 U | .590 U | 2.90 | 5 |
| Lithium | U | .965 U | .771 U | -2.071 U | 6.62 | 50 |
| Magnesium | U | 164.032 B | 39.257 B | 197.652 B | 20.34 | 500 |
| Manganese | U | .553 U | .284 U | .479 U | 9.85 | 15 |
| Molybdenum | U | .344 U | 1.620 U | .266 U | 3.37 | 50 |
| Nickel | U | .388 U | .028 U | -.678 U | 28.55 | 40 |
| Potassium | U | -78.773 B | -78.793 B | -71.485 U | 78.10 | 500 |
| Selenium | U | 18.155 B | 7.508 B | 9.664 B | 5.91 | 35 |
| Silicon | U | 3.700 B | -9.243 B | -13.166 B | | 50 |
| Silver | U | -.033 U | -.034 U | -.038 U | 1.50 | 10 |
| Sodium | U | 268.369 B | 84.199 U | 30.055 U | 163.20 | 500 |
| Strontium | U | .059 U | .548 U | .115 U | 7.63 | 50 |
| Thallium | U | -10.995 X | .128 U | -5.260 B | 4.31 | 10 |
| Tin | U | -.887 U | 1.974 U | -.490 U | 3.50 | 50 |
| Titanium | U | .178 U | .169 U | .204 U | .51 | 10 |
| Vanadium | U | -.051 U | .036 U | -.012 U | 1.00 | 50 |
| Zinc | U | -.122 U | -.276 U | .649 U | 2.62 | 20 |

050014

U = Undetected at MDL B = detected Between MDL and RRL X if blank is above RRL

Sample Information Detail Report
Document Name: 80241

N1221A

**File Description**
Default Sample Information File

**Parameters Common To All Samples**

| | |
|---|---|
| Batch ID | |
| Volume Units | mL |
| Weight Units | g |

**Parameters That Vary With All Samples**

| | A/S Location | Sample ID | Initial Sample Wt. |
|---|---|---|---|
| 001 | 2 | HIGH STANDARD | |
| 002 | 3 | ICV1 | |
| 003 | 1 | ICB1 | |
| 004 | 5 | ICSA1 | |
| 005 | 6 | ICSAB1 | |
| 006 | 160 | CRI1 | |
| 007 | 7 | CCV1 | |
| 008 | 1 | CCB1 | |
| 009 | 9 | 20491436/80241B | |
| 010 | 10 | 20491437/LCS | |
| 011 | 11 | 20488920/OQS | |
| 012 | 12 | 20491438/MS1 | |
| 013 | 13 | 20491439/MSD1 | |
| 014 | 14 | 20488921/OQS | |
| 015 | 15 | 20491440/MS2 | |
| 016 | 16 | 20491441/MSD2 | |
| 017 | 17 | 20488922/OQS | |
| 018 | 18 | 20488922/MS3 | |
| 019 | 7 | CCV2 | |
| 020 | 1 | CCB2 | |
| 021 | 19 | 20488923/MSD3 | |
| 022 | 20 | 20488919 | |
| 023 | 21 | 20488923 | |
| 024 | 22 | 20488924 | |
| 025 | 23 | 20489231 | |
| 026 | 7 | CCV3 | |
| 027 | 1 | CCB3 | |
| 028 | 24 | 20491420/80238B | |
| 029 | 25 | 20491421/LCS | |
| 030 | 26 | 20488920/OQS | |
| 031 | 27 | 20491422/MS1 | |
| 032 | 28 | 20491423/MSD1 | |
| 033 | 29 | 20488921/OQS | |
| 034 | 30 | 20491424/MS2 | |
| 035 | 31 | 20491425/MSD2 | |
| 036 | 32 | 20488922/OQS | |
| 037 | 33 | 20491426/MS3 | |
| 038 | 7 | CCV4 | |
| 039 | 1 | CCB4 | |
| 040 | 34 | 20491427/MSD3 | |
| 041 | 35 | 20488919 | |
| 042 | 36 | 20488923 | |
| 043 | 37 | 20488924 | |
| 044 | 38 | 20488925 | |
| 045 | 39 | 20489231 | |
| 046 | 40 | 20489238 | |
| 047 | 41 | 20489074 | |
| 048 | 5 | ICSA2 | |
| 049 | 6 | ICSAB2 | |
| 050 | 160 | CRI2 | |
| 051 | 7 | CCV5 | |
| 052 | 1 | CCB5 | |
| 053 | 42 | 20491034 | |

050015

| | | |
|---|---|---|
| 054 | 43 | 20491035 |
| 055 | 44 | 20491036 |
| 056 | 45 | 20491037 |
| 057 | 46 | 20491046 |
| 058 | 47 | 20491047 |
| 059 | 48 | 20491048 |
| 060 | 49 | 20491049 |
| 061 | 50 | 20491054 |
| 062 | 7 | CCV6 |
| 063 | 1 | CCB6 |
| 064 | 5 | ICSA3 |
| 065 | 6 | ICSAB3 |
| 066 | 160 | CRI3 |
| 067 | 7 | CCV7 |
| 068 | 1 | CCB7 |
| 069 | 132 | 20491286/80247 |
| 070 | 133 | 20491349 |
| 071 | 134 | 20491397 |
| 072 | 135 | 20491398 |
| 073 | 136 | 20491399 |
| 074 | 137 | 20491270 |
| 075 | 138 | 20491277 |
| 076 | 139 | 20491278 |
| 077 | 140 | 20491285 |
| 078 | 142 | 20491479 |
| 079 | 7 | CCV8 |
| 080 | 1 | CCB8 |
| 081 | 130 | 20491382/(1/10) |
| 082 | 131 | 20191384/(1/10) |
| 083 | 141 | 20491458/(1/10) |
| 084 | 143 | 20491494/(1/10) |
| 085 | 144 | 20491495/(1/10) |
| 086 | 145 | rinse |
| 087 | 5 | ICSA4 |
| 088 | 6 | ICSAB4 |
| 089 | 156 | CRI4 |
| 090 | 8 | CCV10 |
| 091 | 4 | CCB10 |

| | **Aliquot Volume** | **Diluted To Vol.** |
|---|---|---|
| 001 | | |
| 002 | | |
| 003 | | |
| 004 | | |
| 005 | | |
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| 024 | | |
| 025 | | |

Sample Information Detail Report
Document Name: 80241

File Description
Default Sample Information File

Parameters Common To All Samples

| | |
|---|---|
| Batch ID | |
| Volume Units | mL |
| Weight Units | g |

Parameters That Vary With All Samples

| | A/S Location | Sample ID | Initial Sample Wt. |
|---|---|---|---|
| 001 | 2 | HIGH STANDARD | |
| 002 | 3 | ICV1 | |
| 003 | 1 | ICB1 | |
| 004 | 5 | ICSA1 | |
| 005 | 6 | ICSAB1 | |
| 006 | 460 | CRI1 | |
| 007 | 7 | CCV1 | |
| 008 | 1 | CCB1 | |
| 009 | 9 | 20491436/80241B | |
| 010 | 10 | 20491437/LCS | |
| 011 | 11 | 20488920/OQS | |
| 012 | 12 | 20491438/MS1 | |
| 013 | 13 | 20491439/MSD1 | |
| 014 | 14 | 20488921/OQS | |
| 015 | 15 | 20491440/MS2 | |
| 016 | 16 | 20491441/MSD2 | |
| 017 | 17 | 20488922/OQS | |
| 018 | 18 | 20488922/MS3 | |
| 019 | 7 | CCV2 | |
| 020 | 1 | CCB2 | |
| 021 | 19 | 20488923/MSD3 | |
| 022 | 20 | 20488919 | |
| 023 | 21 | 20488923 | |
| 024 | 22 | 20488924 | |
| 025 | 23 | 20489231 | |
| 026 | 7 | CCV3 | |
| 027 | 1 | CCB3 | |
| 028 | 24 | 20491420/80238B | |
| 029 | 25 | 20491421/LCS | |
| 030 | 26 | 20488920/OQS | |
| 031 | 27 | 20491422/MS1 | |
| 032 | 28 | 20491423/MSD1 | |
| 033 | 29 | 20488921/OQS | |
| 034 | 30 | 20491424/MS2 | |
| 035 | 31 | 20491425/MSD2 | |
| 036 | 32 | 20488922/OQS | |
| 037 | 33 | 20491426/MS3 | |
| 038 | 7 | CCV4 | |
| 039 | 1 | CCB4 | |
| 040 | 34 | 20491427/MSD3 | |
| 041 | 35 | 20488919 | |
| 042 | 36 | 20488923 | |
| 043 | 37 | 20488924 | |
| 044 | 38 | 20488925 | |
| 045 | 39 | 20489231 | |
| 046 | 40 | 20489238 | |
| 047 | 41 | 20489074 | |
| 048 | 5 | ICSA2 | |
| 049 | 6 | ICSAB2 | |
| 050 | 160 | CRI2 | |
| 051 | 7 | CCV5 | |
| 052 | 1 | CCB5 | |
| 053 | 42 | 20491034 | |

050017

| | | |
|---|---|---|
| 054 | 43 | 20491035 |
| 055 | 44 | 20491036 |
| 056 | 45 | 20491037 |
| 057 | 46 | 20491046 |
| 058 | 47 | 20491047 |
| 059 | 48 | 20491048 |
| 060 | 49 | 20491049 |
| 061 | 50 | 20491054 |
| 062 | 7 | CCV6 |
| 063 | 1 | CCB6 |
| 064 | 5 | ICSA3 |
| 065 | 6 | ICSAB3 |
| 066 | 160 | CRI3 |
| 067 | 7 | CCV7 |
| 068 | 1 | CCB7 |

| | Aliquot Volume | Diluted To Vol. |
|---|---|---|
| 001 | | |
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050018

==========

Analysis Begun

Start Time: 12/21/2006 10:05:52 AM
Logged In Analyst: Administrator
Spectrometer Model: Optima 3300 DV
Plasma On Time: 12/21/2006 9:27:36 AM
Technique: ICP Continuous
Autosampler Model: AS-91

Sample Information File: C:\pe\Administrator\Sample Information\80241.sif
Results Data Set: N1221A
Results Library: C:\pe\Administrator\Results\Results.mdb

==========

Method Loaded
Method Name: Ver6.0GP
IEC File: Ver6_2.iec
Method Last Saved: 12/14/2006 12:38:40 PM
MSF File:
Method Description: All Radial Views @ 10mm ALand Fe Dual Views

| Analyte | Calibration Equation | Processing | View | Internal Standard | IEC |
|---|---|---|---|---|---|
| AG 328 IEC | Lin Thru 0 | Peak Area | Axial | None | Yes |
| AL 308 IEC | Lin Thru 0 | Peak Area | Radial | None | Yes |
| AL 308 LOW | Lin Thru 0 | Peak Area | Axial | None | Yes |
| AS 188 IEC | Lin Thru 0 | Peak Area | Axial | None | Yes |
| B 208 IEC | Lin Thru 0 | Peak Area | Axial | None | Yes |
| BA 233 IEC | Lin Thru 0 | Peak Area | Axial | None | Yes |
| BE 313 IEC | Lin Thru 0 | Peak Area | Axial | None | Yes |
| CA 317 IEC | Lin Thru 0 | Peak Area | Radial | None | Yes |
| CD 226 IEC | Lin Thru 0 | Peak Area | Axial | None | Yes |
| CO 228 IEC | Lin Thru 0 | Peak Area | Axial | None | Yes |
| CR 267 IEC | Lin Thru 0 | Peak Area | Axial | None | Yes |
| CU 324 IEC | Lin Thru 0 | Peak Area | Axial | None | Yes |
| FE 238 IEC | Lin Thru 0 | Peak Area | Radial | None | Yes |
| FE 238 LOW | Lin Thru 0 | Peak Area | Axial | None | Yes |
| K 766 IEC | Lin Thru 0 | Peak Area | Radial | None | Yes |
| LI 670 IEC | Lin Thru 0 | Peak Area | Radial | None | Yes |
| MG 279 IEC | Lin Thru 0 | Peak Area | Radial | None | Yes |
| MN 257 IEC | Lin Thru 0 | Peak Area | Axial | None | Yes |
| MO 202 IEC | Lin Thru 0 | Peak Area | Axial | None | Yes |
| NA 589 IEC | Lin Thru 0 | Peak Area | Radial | None | Yes |
| NI 231 IEC | Lin Thru 0 | Peak Area | Axial | None | Yes |
| PB 220 IEC | Lin Thru 0 | Peak Area | Axial | None | Yes |
| SB 217 IEC | Lin Thru 0 | Peak Area | Axial | None | Yes |
| SE 196 IEC | Lin Thru 0 | Peak Area | Axial | None | Yes |
| SN 189 IEC | Lin Thru 0 | Peak Area | Axial | None | No |
| SR 407 IEC | Lin Thru 0 | Peak Area | Radial | None | Yes |
| TI 334 IEC | Lin Thru 0 | Peak Area | Axial | None | Yes |
| TL 190 IEC | Lin Thru 0 | Peak Area | Axial | None | Yes |
| V 292 IEC | Lin Thru 0 | Peak Area | Axial | None | Yes |
| ZN 206 IEC | Lin Thru 0 | Peak Area | Axial | None | Yes |
| SI 251 IEC | Lin Thru 0 | Peak Area | Radial | None | Yes |

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12/21/2006 10:07:29 AM Hg ReAlign... Actual peak offset (nm): -0.001
Drift (nm): -0.000 Slit adjustment: -2

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Sequence No.: 2
Sample ID: S0 (528-45)
Analyst:
Sample Wt:
Dilution:
Autosampler Location: 1
Date Collected: 12/21/2006 10:08:10 AM
Sample Prep Volume:
Data Type: Original

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Mean Data: S0 (528-45)

| Analyte | Mean Corrected Intensity | Std.Dev. | RSD | Conc. | Calib Units |
|---|---|---|---|---|---|
| AG 328 IEC | -11.9 | 78.94 | 663.76% | [0.00] | µg/L |
| AL 308 IEC | 17.5 | 2.94 | 16.79% | [0.00] | µg/L |
| AL 308 LOW | 2517.2 | 37.90 | 1.51% | [0.00] | µg/L |
| AS 188 IEC | -0.3 | 0.21 | 76.05% | [0.00] | µg/L |
| B 208 IEC | 65.9 | 2.36 | 3.58% | [0.00] | µg/L |

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| | | | | | |
|---|---|---|---|---|---|
| BA 233 IEC | -29.0 | 2.15 | 7.44% | [0.00] | µg/L |
| BE 313 IEC | -8075.8 | 33.21 | 0.41% | [0.00] | µg/L |
| CA 317 IEC | 11.8 | 2.46 | 20.80% | [0.00] | µg/L |
| CD 226 IEC | -33.1 | 5.98 | 18.07% | [0.00] | µg/L |
| CO 228 IEC | -21.4 | 1.43 | 6.70% | [0.00] | µg/L |
| CR 267 IEC | 120.5 | 8.75 | 7.26% | [0.00] | µg/L |
| CU 324 IEC | 2241.9 | 39.14 | 1.75% | [0.00] | µg/L |
| FE 238 IEC | 8.4 | 0.14 | 1.62% | [0.00] | µg/L |
| FE 238 LOW | 670.3 | 7.78 | 1.16% | [0.00] | µg/L |
| K 766 IEC | 897.5 | 0.52 | 0.06% | [0.00] | µg/L |
| LI 670 IEC | 373.5 | 9.73 | 2.61% | [0.00] | µg/L |
| MG 279 IEC | 8.5 | 0.29 | 3.39% | [0.00] | µg/L |
| MN 257 IEC | 154.3 | 1.11 | 0.72% | [0.00] | µg/L |
| MO 202 IEC | 10.4 | 0.24 | 2.36% | [0.00] | µg/L |
| NA 589 IEC | 1182.4 | 30.61 | 2.59% | [0.00] | µg/L |
| NI 231 IEC | -71.2 | 0.55 | 0.78% | [0.00] | µg/L |
| PB 220 IEC | 39.8 | 3.23 | 8.12% | [0.00] | µg/L |
| SB 217 IEC | -10.6 | 0.07 | 0.67% | [0.00] | µg/L |
| SE 196 IEC | -3.3 | 1.59 | 48.85% | [0.00] | µg/L |
| SN 189 IEC | -2.4 | 2.34 | 96.52% | [0.00] | µg/L |
| SR 407 IEC | -1.0 | 16.64 | >999.9% | [0.00] | µg/L |
| TI 334 IEC | 232.3 | 90.03 | 38.75% | [0.00] | µg/L |
| TL 190 IEC | -3.7 | 0.96 | 26.30% | [0.00] | µg/L |
| V 292 IEC | -302.1 | 28.47 | 9.42% | [0.00] | µg/L |
| ZN 206 IEC | 20.3 | 0.08 | 0.37% | [0.00] | µg/L |
| SI 251 IEC | 77.0 | 4.11 | 5.34% | [0.00] | µg/L |

Sequence No.: 3
Sample ID: S1 (528-63-S1)
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 12/21/2006 10:13:05 AM

Sample Prep Volume:
Data Type: Original

Mean Data: S1 (528-63-S1)

| Analyte | Mean Corrected Intensity | Std.Dev. | RSD | Conc. | Calib Units |
|---|---|---|---|---|---|
| AG 328 IEC | 93150.6 | 268.28 | 0.29% | [1000.00] | µg/L |
| AL 308 IEC | 1806.7 | 8.62 | 0.48% | [20000.00] | µg/L |
| AL 308 LOW | 203046.9 | 1616.15 | 0.80% | [20000.00] | µg/L |
| AS 188 IEC | 524.5 | 0.11 | 0.02% | [2000.00] | µg/L |
| B 208 IEC | 3748.5 | 6.04 | 0.16% | [2000.00] | µg/L |
| BA 233 IEC | 70273.5 | 690.09 | 0.98% | [2000.00] | µg/L |
| BE 313 IEC | 4505701.3 | 7973.53 | 0.18% | [2000.00] | µg/L |
| CA 317 IEC | 11298.3 | 63.54 | 0.56% | [20000.00] | µg/L |
| CD 226 IEC | 80452.8 | 718.19 | 0.89% | [2000.00] | µg/L |
| CO 228 IEC | 24340.8 | 79.37 | 0.33% | [2000.00] | µg/L |
| CR 267 IEC | 115155.5 | 1074.93 | 0.93% | [2000.00] | µg/L |
| CU 324 IEC | 319256.4 | 2386.96 | 0.75% | [2000.00] | µg/L |
| FE 238 IEC | 3218.5 | 35.72 | 1.11% | [20000.00] | µg/L |
| FE 238 LOW | 783114.6 | 4643.99 | 0.59% | [20000.00] | µg/L |
| K 766 IEC | 43468.6 | 166.36 | 0.38% | [20000.00] | µg/L |
| LI 670 IEC | 51362.1 | 110.76 | 0.22% | [2000.00] | µg/L |
| MG 279 IEC | 2342.0 | 22.93 | 0.98% | [20000.00] | µg/L |
| MN 257 IEC | 499639.0 | 4194.67 | 0.84% | [2000.00] | µg/L |
| MO 202 IEC | 7522.6 | 16.25 | 0.22% | [2000.00] | µg/L |
| NA 589 IEC | 61380.6 | 299.43 | 0.49% | [20000.00] | µg/L |
| NI 231 IEC | 20703.6 | 85.31 | 0.41% | [2000.00] | µg/L |
| PB 220 IEC | 4804.6 | 37.82 | 0.79% | [2000.00] | µg/L |
| SB 217 IEC | 2837.4 | 15.27 | 0.54% | [2000.00] | µg/L |
| SE 196 IEC | 820.3 | 15.94 | 1.94% | [2000.00] | µg/L |
| SN 189 IEC | 1534.7 | 0.80 | 0.05% | [2000.00] | µg/L |
| SR 407 IEC | 141131.7 | 611.83 | 0.43% | [2000.00] | µg/L |
| TI 334 IEC | 904598.2 | 5821.61 | 0.64% | [2000.00] | µg/L |
| TL 190 IEC | 512.7 | 2.92 | 0.57% | [2000.00] | µg/L |
| V 292 IEC | 209257.4 | 1758.24 | 0.84% | [2000.00] | µg/L |
| ZN 206 IEC | 19937.1 | 205.58 | 1.03% | [2000.00] | µg/L |
| SI 251 IEC | 1712.7 | 10.13 | 0.59% | [10000.00] | µg/L |

Sequence No.: 4
Sample ID: S2 (528-64-S2)
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 12/21/2006 10:18:03 AM
Sample Prep Volume:
Data Type: Original

Mean Data: S2 (528-64-S2)

| Analyte | Mean Corrected Intensity | Std.Dev. | RSD | Conc. | Calib Units |
|---|---|---|---|---|---|
| AG 328 IEC | 46376.0 | 250.73 | 0.54% | [500.00] | µg/L |
| AL 308 IEC | 912.4 | 0.01 | 0.00% | [10000.00] | µg/L |
| AL 308 LOW | 100489.0 | 135.46 | 0.13% | [10000.00] | µg/L |
| AS 188 IEC | 267.2 | 1.44 | 0.54% | [1000.00] | µg/L |
| B 208 IEC | 1971.8 | 18.10 | 0.92% | [1000.00] | µg/L |
| BA 233 IEC | 35236.2 | 1.38 | 0.00% | [1000.00] | µg/L |
| BE 313 IEC | 2274843.4 | 21925.01 | 0.96% | [1000.00] | µg/L |
| CA 317 IEC | 5684.1 | 29.12 | 0.51% | [10000.00] | µg/L |
| CD 226 IEC | 40442.3 | 2.97 | 0.01% | [1000.00] | µg/L |
| CO 228 IEC | 12196.6 | 51.19 | 0.42% | [1000.00] | µg/L |
| CR 267 IEC | 57578.7 | 73.50 | 0.13% | [1000.00] | µg/L |
| CU 324 IEC | 159606.7 | 216.26 | 0.14% | [1000.00] | µg/L |
| FE 238 IEC | 1623.1 | 2.85 | 0.18% | [10000.00] | µg/L |
| FE 238 LOW | 397686.1 | 3285.47 | 0.83% | [10000.00] | µg/L |
| K 766 IEC | 22119.4 | 168.42 | 0.76% | [10000.00] | µg/L |
| LI 670 IEC | 26230.5 | 22.62 | 0.09% | [1000.00] | µg/L |
| MG 279 IEC | 1178.2 | 10.58 | 0.90% | [10000.00] | µg/L |
| MN 257 IEC | 254276.4 | 243.71 | 0.10% | [1000.00] | µg/L |
| MO 202 IEC | 3788.6 | 6.59 | 0.17% | [1000.00] | µg/L |
| NA 589 IEC | 31778.4 | 150.23 | 0.47% | [10000.00] | µg/L |
| NI 231 IEC | 10348.5 | 44.58 | 0.43% | [1000.00] | µg/L |
| PB 220 IEC | 2420.6 | 2.98 | 0.12% | [1000.00] | µg/L |
| SB 217 IEC | 1433.6 | 2.75 | 0.19% | [1000.00] | µg/L |
| SE 196 IEC | 414.5 | 2.75 | 0.66% | [1000.00] | µg/L |
| SN 189 IEC | 781.0 | 1.73 | 0.22% | [1000.00] | µg/L |
| SR 407 IEC | 73184.5 | 211.14 | 0.29% | [1000.00] | µg/L |
| TI 334 IEC | 454117.4 | 4245.35 | 0.93% | [1000.00] | µg/L |
| TL 190 IEC | 256.1 | 3.15 | 1.23% | [1000.00] | µg/L |
| V 292 IEC | 104487.5 | 75.03 | 0.07% | [1000.00] | µg/L |
| ZN 206 IEC | 9940.0 | 84.62 | 0.85% | [1000.00] | µg/L |
| SI 251 IEC | 888.5 | 5.84 | 0.66% | [5000.00] | µg/L |

Calibration Summary

| Analyte | Stds. | Equation | Intercept | Slope | Curvature | Corr. Coef. | Reslope |
|---|---|---|---|---|---|---|---|
| AG 328 IEC | 2 | Lin Thru 0 | 0.0 | 93.07 | 0.00000 | 0.999999 | |
| AL 308 IEC | 2 | Lin Thru 0 | 0.0 | 0.0905 | 0.00000 | 0.999992 | |
| AL 308 LOW | 2 | Lin Thru 0 | 0.0 | 10.13 | 0.00000 | 0.999992 | |
| AS 188 IEC | 2 | Lin Thru 0 | 0.0 | 0.2632 | 0.00000 | 0.999972 | |
| B 208 IEC | 2 | Lin Thru 0 | 0.0 | 1.894 | 0.00000 | 0.999788 | |
| BA 233 IEC | 2 | Lin Thru 0 | 0.0 | 35.16 | 0.00000 | 0.999999 | |
| BE 313 IEC | 2 | Lin Thru 0 | 0.0 | 2257 | 0.00000 | 0.999992 | |
| CA 317 IEC | 2 | Lin Thru 0 | 0.0 | 0.5656 | 0.00000 | 0.999997 | |
| CD 226 IEC | 2 | Lin Thru 0 | 0.0 | 40.27 | 0.00000 | 0.999998 | |
| CO 228 IEC | 2 | Lin Thru 0 | 0.0 | 12.18 | 0.00000 | 1.000000 | |
| CR 267 IEC | 2 | Lin Thru 0 | 0.0 | 57.58 | 0.00000 | 1.000000 | |
| CU 324 IEC | 2 | Lin Thru 0 | 0.0 | 159.6 | 0.00000 | 1.000000 | |
| FE 238 IEC | 2 | Lin Thru 0 | 0.0 | 0.1612 | 0.00000 | 0.999994 | |
| FE 238 LOW | 2 | Lin Thru 0 | 0.0 | 39.28 | 0.00000 | 0.999981 | |
| K 766 IEC | 2 | Lin Thru 0 | 0.0 | 2.181 | 0.00000 | 0.999975 | |
| LI 670 IEC | 2 | Lin Thru 0 | 0.0 | 25.79 | 0.00000 | 0.999964 | |
| MG 279 IEC | 2 | Lin Thru 0 | 0.0 | 0.1172 | 0.00000 | 0.999997 | |
| MN 257 IEC | 2 | Lin Thru 0 | 0.0 | 250.7 | 0.00000 | 0.999975 | |
| MO 202 IEC | 2 | Lin Thru 0 | 0.0 | 3.767 | 0.00000 | 0.999996 | |
| NA 589 IEC | 2 | Lin Thru 0 | 0.0 | 3.091 | 0.00000 | 0.999901 | |
| NI 231 IEC | 2 | Lin Thru 0 | 0.0 | 10.35 | 0.00000 | 1.000000 | |
| PB 220 IEC | 2 | Lin Thru 0 | 0.0 | 2.406 | 0.00000 | 0.999995 | |
| SB 217 IEC | 2 | Lin Thru 0 | 0.0 | 1.422 | 0.00000 | 0.999991 | |

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|---|---|---|---|---|---|---|
| SE 196 IEC | 2 | Lin Thru 0 | 0.0 | 0.4110 | 0.00000 | 0.999991 |
| SN 189 IEC | 2 | Lin Thru 0 | 0.0 | 0.7701 | 0.00000 | 0.999975 |
| SR 407 IEC | 2 | Lin Thru 0 | 0.0 | 71.09 | 0.00000 | 0.999891 |
| TI 334 IEC | 2 | Lin Thru 0 | 0.0 | 452.7 | 0.00000 | 0.999999 |
| TL 190 IEC | 2 | Lin Thru 0 | 0.0 | 0.2563 | 0.00000 | 1.000000 |
| V 292 IEC | 2 | Lin Thru 0 | 0.0 | 104.6 | 0.00000 | 1.000000 |
| ZN 206 IEC | 2 | Lin Thru 0 | 0.0 | 9.963 | 0.00000 | 0.999999 |
| SI 251 IEC | 2 | Lin Thru 0 | 0.0 | 0.1726 | 0.00000 | 0.999889 |

Sequence No.: 5
Sample ID: HIGH STANDARD
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 12/21/2006 10:23:04 AM
Sample Prep Volume:
Data Type: Original

Mean Data: HIGH STANDARD

| Analyte | Mean Corrected Intensity | Conc. | Calib Units | Std.Dev. | Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | 91259.1 | 980.79 | µg/L | 2.004 | 980.79 | µg/L | 2.004 | 0.20% |
| AL 308 IEC | 1833.8 | 20259 | µg/L | 114.6 | 20259 | µg/L | 114.6 | 0.57% |
| AL 308 LOW | 201110.7 | 19850 | µg/L | 57.5 | 19850 | µg/L | 57.5 | 0.29% |
| AS 188 IEC | 519.0 | 1972.2 | µg/L | 6.30 | 1972.2 | µg/L | 6.30 | 0.32% |
| B 208 IEC | 3742.7 | 1976.3 | µg/L | 15.72 | 1976.3 | µg/L | 15.72 | 0.80% |
| BA 233 IEC | 69733.6 | 1983.5 | µg/L | 7.65 | 1983.5 | µg/L | 7.65 | 0.39% |
| BE 313 IEC | 4466904.1 | 1978.9 | µg/L | 30.65 | 1978.9 | µg/L | 30.65 | 1.55% |
| CA 317 IEC | 11304.7 | 19987 | µg/L | 100.9 | 19987 | µg/L | 100.9 | 0.50% |
| CD 226 IEC | 79657.1 | 1977.2 | µg/L | 0.36 | 1977.2 | µg/L | 0.36 | 0.02% |
| CO 228 IEC | 23894.1 | 1962.5 | µg/L | 5.67 | 1962.5 | µg/L | 5.67 | 0.29% |
| CR 267 IEC | 113772.1 | 1976.0 | µg/L | 0.04 | 1976.0 | µg/L | 0.04 | 0.00% |
| CU 324 IEC | 317407.8 | 1988.5 | µg/L | 1.57 | 1988.5 | µg/L | 1.57 | 0.08% |
| FE 238 IEC | 3225.5 | 20010 | µg/L | 66.6 | 20010 | µg/L | 66.6 | 0.33% |
| FE 238 LOW | 769140.5 | 19582 | µg/L | 4.9 | 19582 | µg/L | 4.9 | 0.02% |
| K 766 IEC | 43586.2 | 19983 | µg/L | 49.8 | 19983 | µg/L | 49.8 | 0.25% |
| LI 670 IEC | 51784.9 | 2007.9 | µg/L | 6.11 | 2007.9 | µg/L | 6.11 | 0.30% |
| MG 279 IEC | 2360.1 | 20130 | µg/L | 142.7 | 20130 | µg/L | 142.7 | 0.71% |
| MN 257 IEC | 494969.2 | 1974.3 | µg/L | 2.59 | 1974.3 | µg/L | 2.59 | 0.13% |
| MO 202 IEC | 7403.1 | 1964.9 | µg/L | 10.41 | 1964.9 | µg/L | 10.41 | 0.53% |
| NA 589 IEC | 62110.6 | 20095 | µg/L | 64.4 | 20095 | µg/L | 64.4 | 0.32% |
| NI 231 IEC | 20400.5 | 1970.8 | µg/L | 2.72 | 1970.8 | µg/L | 2.72 | 0.14% |
| PB 220 IEC | 4730.2 | 1967.0 | µg/L | 5.93 | 1967.0 | µg/L | 5.93 | 0.30% |
| SB 217 IEC | 2817.8 | 1986.2 | µg/L | 10.84 | 1986.2 | µg/L | 10.84 | 0.55% |
| SE 196 IEC | 818.9 | 1996.2 | µg/L | 12.75 | 1996.2 | µg/L | 12.75 | 0.64% |
| SN 189 IEC | 1532.9 | 1990.6 | µg/L | 7.28 | 1990.6 | µg/L | 7.28 | 0.37% |
| SR 407 IEC | 145327.7 | 2044.3 | µg/L | 1.67 | 2044.3 | µg/L | 1.67 | 0.08% |
| TI 334 IEC | 890340.4 | 1966.9 | µg/L | 0.47 | 1966.9 | µg/L | 0.47 | 0.02% |
| TL 190 IEC | 504.2 | 1960.3 | µg/L | 19.45 | 1960.3 | µg/L | 19.45 | 0.99% |
| V 292 IEC | 207579.1 | 1984.5 | µg/L | 2.33 | 1984.5 | µg/L | 2.33 | 0.12% |
| ZN 206 IEC | 19559.6 | 1963.3 | µg/L | 4.16 | 1963.3 | µg/L | 4.16 | 0.21% |
| SI 251 IEC | 1721.1 | 9612.5 | µg/L | 36.63 | 9612.5 | µg/L | 36.63 | 0.38% |

Sequence No.: 6
Sample ID: ICV1
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 12/21/2006 10:28:01 AM
Sample Prep Volume:
Data Type: Original

Mean Data: ICV1

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | 23958.5 | 257.49 | µg/L | 4.625 | 257.49 | µg/L | 4.625 | 1.80% |
| AL 308 IEC | 504.2 | 5569.8 | µg/L | 6.28 | 5569.8 | µg/L | 6.28 | 0.11% |
| AL 308 LOW | 55458.5 | 5473.8 | µg/L | 83.84 | 5473.8 | µg/L | 83.84 | 1.53% |
| AS 188 IEC | 141.9 | 539.27 | µg/L | 20.821 | 539.27 | µg/L | 20.821 | 3.86% |
| B 208 IEC | 1130.3 | 596.84 | µg/L | 1.464 | 596.84 | µg/L | 1.464 | 0.25% |
| BA 233 IEC | 19631.8 | 558.41 | µg/L | 8.856 | 558.41 | µg/L | 8.856 | 1.59% |
| BE 313 IEC | 1231067.9 | 545.38 | µg/L | 2.801 | 545.38 | µg/L | 2.801 | 0.51% |
| CA 317 IEC | 2990.1 | 5286.4 | µg/L | 22.54 | 5286.4 | µg/L | 22.54 | 0.43% |
| CD 226 IEC | 21496.1 | 533.57 | µg/L | 6.683 | 533.57 | µg/L | 6.683 | 1.25% |
| CO 228 IEC | 6490.5 | 533.07 | µg/L | 8.144 | 533.07 | µg/L | 8.144 | 1.53% |
| CR 267 IEC | 30016.7 | 521.32 | µg/L | 8.536 | 521.32 | µg/L | 8.536 | 1.64% |
| CU 324 IEC | 86373.4 | 541.11 | µg/L | 1.323 | 541.11 | µg/L | 1.323 | 0.24% |
| FE 238 IEC | 861.7 | 5345.5 | µg/L | 10.81 | 5345.5 | µg/L | 10.81 | 0.20% |
| FE 238 LOW | 208768.8 | 5315.1 | µg/L | 29.95 | 5315.1 | µg/L | 29.95 | 0.56% |
| K 766 IEC | 12013.0 | 5507.7 | µg/L | 35.38 | 5507.7 | µg/L | 35.38 | 0.64% |
| LI 670 IEC | 13899.4 | 538.92 | µg/L | 0.077 | 538.92 | µg/L | 0.077 | 0.01% |
| MG 279 IEC | 613.7 | 5234.3 | µg/L | 18.30 | 5234.3 | µg/L | 18.30 | 0.35% |
| MN 257 IEC | 133624.1 | 532.98 | µg/L | 1.279 | 532.98 | µg/L | 1.279 | 0.24% |
| MO 202 IEC | 2042.1 | 542.01 | µg/L | 2.521 | 542.01 | µg/L | 2.521 | 0.47% |
| NA 589 IEC | 17637.8 | 5706.6 | µg/L | 1.05 | 5706.6 | µg/L | 1.05 | 0.02% |
| NI 231 IEC | 5593.0 | 540.33 | µg/L | 8.891 | 540.33 | µg/L | 8.891 | 1.65% |
| PB 220 IEC | 1280.8 | 532.62 | µg/L | 0.221 | 532.62 | µg/L | 0.221 | 0.04% |
| SB 217 IEC | 762.1 | 537.17 | µg/L | 0.560 | 537.17 | µg/L | 0.560 | 0.10% |
| SE 196 IEC | 234.1 | 570.67 | µg/L | 5.971 | 570.67 | µg/L | 5.971 | 1.05% |
| SN 189 IEC | 423.1 | 549.40 | µg/L | 1.517 | 549.40 | µg/L | 1.517 | 0.28% |
| SR 407 IEC | 41211.0 | 579.70 | µg/L | 1.504 | 579.70 | µg/L | 1.504 | 0.26% |
| TI 334 IEC | 237215.4 | 524.04 | µg/L | 3.027 | 524.04 | µg/L | 3.027 | 0.58% |
| TL 190 IEC | 141.0 | 548.43 | µg/L | 12.298 | 548.43 | µg/L | 12.298 | 2.24% |
| V 292 IEC | 57003.6 | 544.97 | µg/L | 8.069 | 544.97 | µg/L | 8.069 | 1.48% |
| ZN 206 IEC | 5431.7 | 545.20 | µg/L | 6.312 | 545.20 | µg/L | 6.312 | 1.16% |
| SI 251 IEC | 512.9 | 2876.2 | µg/L | 3.55 | 2876.2 | µg/L | 3.55 | 0.12% |

Sequence No.: 7
Sample ID: ICB1
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 12/21/2006 10:32:56 AM
Sample Prep Volume:
Data Type: Original

Mean Data: ICB1

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | -1.5 | -0.02 | µg/L | 0.086 | -0.02 | µg/L | 0.086 | 532.89% |
| AL 308 IEC | 1.3 | 14.36 | µg/L | 26.921 | 14.36 | µg/L | 26.921 | 187.45% |
| AL 308 LOW | -15.5 | -1.53 | µg/L | 2.775 | -1.53 | µg/L | 2.775 | 181.44% |
| AS 188 IEC | -0.1 | -0.46 | µg/L | 2.712 | -0.46 | µg/L | 2.712 | 585.72% |
| B 208 IEC | 49.7 | 26.22 | µg/L | 0.599 | 26.22 | µg/L | 0.599 | 2.28% |
| BA 233 IEC | 17.6 | 0.50 | µg/L | 0.053 | 0.50 | µg/L | 0.053 | 10.60% |
| BE 313 IEC | 639.8 | 0.28 | µg/L | 0.037 | 0.28 | µg/L | 0.037 | 12.93% |
| CA 317 IEC | 2.7 | 4.71 | µg/L | 0.168 | 4.71 | µg/L | 0.168 | 3.57% |
| CD 226 IEC | 19.0 | 0.47 | µg/L | 0.200 | 0.47 | µg/L | 0.200 | 42.48% |
| CO 228 IEC | 7.4 | 0.61 | µg/L | 0.068 | 0.61 | µg/L | 0.068 | 11.12% |
| CR 267 IEC | -21.1 | -0.37 | µg/L | 0.150 | -0.37 | µg/L | 0.150 | 40.73% |
| CU 324 IEC | 1133.3 | 7.10 | µg/L | 0.524 | 7.10 | µg/L | 0.524 | 7.37% |
| FE 238 IEC | -0.1 | -0.61 | µg/L | 1.981 | -0.61 | µg/L | 1.981 | 326.54% |
| FE 238 LOW | 65.2 | 1.66 | µg/L | 0.153 | 1.66 | µg/L | 0.153 | 9.24% |
| K 766 IEC | -89.0 | -40.78 | µg/L | 1.491 | -40.78 | µg/L | 1.491 | 3.66% |
| LI 670 IEC | 72.4 | 2.81 | µg/L | 2.336 | 2.81 | µg/L | 2.336 | 83.25% |
| MG 279 IEC | 1.1 | 9.29 | µg/L | 2.242 | 9.29 | µg/L | 2.242 | 24.12% |
| MN 257 IEC | 93.4 | 0.37 | µg/L | 0.004 | 0.37 | µg/L | 0.004 | 1.13% |
| MO 202 IEC | 5.9 | 1.56 | µg/L | 0.247 | 1.56 | µg/L | 0.247 | 15.83% |
| NA 589 IEC | -259.2 | -83.86 | µg/L | 19.850 | -83.86 | µg/L | 19.850 | 23.67% |
| NI 231 IEC | 19.2 | 1.85 | µg/L | 0.084 | 1.85 | µg/L | 0.084 | 4.54% |
| PB 220 IEC | -0.1 | -0.04 | µg/L | 0.317 | -0.04 | µg/L | 0.317 | 716.70% |
| SB 217 IEC | -4.5 | -3.15 | µg/L | 1.170 | -3.15 | µg/L | 1.170 | 37.19% |
| SE 196 IEC | 7.6 | 18.55 | µg/L | 16.528 | 18.55 | µg/L | 16.528 | 89.11% |
| SN 189 IEC | 1.8 | 2.30 | µg/L | 0.592 | 2.30 | µg/L | 0.592 | 25.78% |
| SR 407 IEC | 29.3 | 0.41 | µg/L | 0.297 | 0.41 | µg/L | 0.297 | 71.93% |
| TI 334 IEC | 241.7 | 0.53 | µg/L | 0.087 | 0.53 | µg/L | 0.087 | 16.20% |
| TL 190 IEC | 0.0 | 0.07 | µg/L | 6.525 | 0.07 | µg/L | 6.525 | >999.9% |
| V 292 IEC | 44.9 | 0.43 | µg/L | 0.118 | 0.43 | µg/L | 0.118 | 27.56% |
| ZN 206 IEC | 8.2 | 0.82 | µg/L | 0.354 | 0.82 | µg/L | 0.354 | 42.91% |
| SI 251 IEC | 0.0 | 0.03 | µg/L | 12.448 | 0.03 | µg/L | 12.448 | >999.9% |

Sequence No.: 8
Sample ID: ICSA1
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 12/21/2006 10:37:43 AM

Sample Prep Volume:
Data Type: Original

Mean Data: ICSA1

| Analyte | Mean Corrected Intensity | Conc. | Calib Units | Std.Dev. | Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | -200.9 | 3.95 | µg/L | 0.467 | 3.95 | µg/L | 0.467 | 11.80% |
| AL 308 IEC | 47085.8 | 520190 | µg/L | 12873.1 | 520190 | µg/L | 12873.1 | 2.47% |
| AL 308 LOW | 5145319.2 | 507850 | µg/L | 3289.8 | 507850 | µg/L | 3289.8 | 0.65% |
| AS 188 IEC | -0.9 | 4.50 | µg/L | 1.902 | 4.50 | µg/L | 1.902 | 42.30% |
| B 208 IEC | 57.7 | 30.47 | µg/L | 1.980 | 30.47 | µg/L | 1.980 | 6.50% |
| BA 233 IEC | 399.7 | 11.37 | µg/L | 1.137 | 11.37 | µg/L | 1.137 | 10.00% |
| BE 313 IEC | 150.9 | 0.07 | µg/L | 0.024 | 0.07 | µg/L | 0.024 | 35.99% |
| CA 317 IEC | 266210.6 | 470660 | µg/L | 12780.4 | 470660 | µg/L | 12780.4 | 2.72% |
| CD 226 IEC | 565.8 | 5.90 | µg/L | 0.191 | 5.90 | µg/L | 0.191 | 3.24% |
| CO 228 IEC | 81.7 | 6.71 | µg/L | 0.477 | 6.71 | µg/L | 0.477 | 7.11% |
| CR 267 IEC | 3588.5 | 62.32 | µg/L | 1.243 | 62.32 | µg/L | 1.243 | 1.99% |
| CU 324 IEC | 1440.0 | 9.02 | µg/L | 0.032 | 9.02 | µg/L | 0.032 | 0.35% |
| FE 238 IEC | 29689.3 | 184180 | µg/L | 5141.5 | 184180 | µg/L | 5141.5 | 2.79% |
| FE 238 LOW | 6156169.9 | 156730 | µg/L | 831.9 | 156730 | µg/L | 831.9 | 0.53% |
| K 766 IEC | -97.3 | -44.60 | µg/L | 20.296 | -44.60 | µg/L | 20.296 | 45.50% |
| LI 670 IEC | 49.9 | 1.93 | µg/L | 2.256 | 1.93 | µg/L | 2.256 | 116.60% |
| MG 279 IEC | 56957.4 | 485810 | µg/L | 12600.0 | 485810 | µg/L | 12600.0 | 2.59% |
| MN 257 IEC | 1407.3 | 5.61 | µg/L | 0.010 | 5.61 | µg/L | 0.010 | 0.18% |
| Saturated outside survey window (code 6) | | | | | | | | |
| MO 202 IEC | 0.6 | -11.13 | µg/L | 2.488 | -11.13 | µg/L | 2.488 | 22.35% |
| NA 589 IEC | 246.6 | 79.78 | µg/L | 14.175 | 79.78 | µg/L | 14.175 | 17.77% |
| NI 231 IEC | 55.5 | 5.36 | µg/L | 0.400 | 5.36 | µg/L | 0.400 | 7.45% |
| PB 220 IEC | -52.6 | 3.53 | µg/L | 2.451 | 3.53 | µg/L | 2.451 | 69.41% |
| SB 217 IEC | -47.8 | 12.62 | µg/L | 2.916 | 12.62 | µg/L | 2.916 | 23.11% |
| SE 196 IEC | -15.5 | -32.96 | µg/L | 20.848 | -32.96 | µg/L | 20.848 | 63.26% |
| SN 189 IEC | -98.6 | -128.06 | µg/L | 8.529 | -128.06 | µg/L | 8.529 | 6.66% |
| SR 407 IEC | 1319.1 | 18.56 | µg/L | 0.436 | 18.56 | µg/L | 0.436 | 2.35% |
| TI 334 IEC | -1410.6 | -3.12 | µg/L | 0.049 | -3.12 | µg/L | 0.049 | 1.58% |
| TL 190 IEC | 15.9 | -105.90 | µg/L | 8.042 | -105.90 | µg/L | 8.042 | 7.59% |
| V 292 IEC | 388.9 | 3.72 | µg/L | 0.252 | 3.72 | µg/L | 0.252 | 6.78% |
| ZN 206 IEC | 99.4 | 9.98 | µg/L | 0.658 | 9.98 | µg/L | 0.658 | 6.60% |
| SI 251 IEC | 9.5 | -6374.1 | µg/L | 160.98 | -6374.1 | µg/L | 160.98 | 2.53% |

Sequence No.: 9
Sample ID: ICSAB1
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 12/21/2006 10:42:41 AM

Sample Prep Volume:
Data Type: Original

Mean Data: ICSAB1

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | 45356.9 | 493.39 | µg/L | 0.492 | 493.39 | µg/L | 0.492 | 0.10% |
| AL 308 IEC | 47297.6 | 522530 | µg/L | 3008.0 | 522530 | µg/L | 3008.0 | 0.58% |
| AL 308 LOW | 5135317.7 | 506860 | µg/L | 6065.4 | 506860 | µg/L | 6065.4 | 1.20% |
| AS 188 IEC | 245.9 | 941.98 | µg/L | 12.560 | 941.98 | µg/L | 12.560 | 1.33% |
| B 208 IEC | 1532.6 | 809.28 | µg/L | 0.060 | 809.28 | µg/L | 0.060 | 0.01% |
| BA 233 IEC | 33042.9 | 939.88 | µg/L | 4.447 | 939.88 | µg/L | 4.447 | 0.47% |
| BE 313 IEC | 2104776.6 | 932.45 | µg/L | 12.591 | 932.45 | µg/L | 12.591 | 1.35% |
| CA 317 IEC | 263713.6 | 466240 | µg/L | 4849.8 | 466240 | µg/L | 4849.8 | 1.04% |
| CD 226 IEC | 35311.7 | 868.68 | µg/L | 1.222 | 868.68 | µg/L | 1.222 | 0.14% |
| CO 228 IEC | 10388.9 | 853.25 | µg/L | 2.941 | 853.25 | µg/L | 2.941 | 0.34% |
| CR 267 IEC | 55639.6 | 966.34 | µg/L | 3.579 | 966.34 | µg/L | 3.579 | 0.37% |
| CU 324 IEC | 157978.2 | 989.69 | µg/L | 4.849 | 989.69 | µg/L | 4.849 | 0.49% |
| FE 238 IEC | 29852.6 | 185190 | µg/L | 1592.0 | 185190 | µg/L | 1592.0 | 0.86% |
| FE 238 LOW | 6142725.6 | 156390 | µg/L | 1740.4 | 156390 | µg/L | 1740.4 | 1.11% |
| K 766 IEC | -98.0 | -44.91 | µg/L | 43.610 | -44.91 | µg/L | 43.610 | 97.10% |
| LI 670 IEC | 27622.8 | 1071.0 | µg/L | 11.63 | 1071.0 | µg/L | 11.63 | 1.09% |
| MG 279 IEC | 57223.7 | 488080 | µg/L | 2783.9 | 488080 | µg/L | 2783.9 | 0.57% |
| MN 257 IEC | 227996.4 | 909.40 | µg/L | 2.716 | 909.40 | µg/L | 2.716 | 0.30% |
| MO 202 IEC | 3432.0 | 899.78 | µg/L | 2.254 | 899.78 | µg/L | 2.254 | 0.25% |
| NA 589 IEC | 62.7 | 20.29 | µg/L | 18.363 | 20.29 | µg/L | 18.363 | 90.51% |
| NI 231 IEC | 8844.9 | 854.48 | µg/L | 5.152 | 854.48 | µg/L | 5.152 | 0.60% |
| PB 220 IEC | 2048.4 | 876.89 | µg/L | 1.868 | 876.89 | µg/L | 1.868 | 0.21% |
| SB 217 IEC | 1295.6 | 957.63 | µg/L | 7.721 | 957.63 | µg/L | 7.721 | 0.81% |
| SE 196 IEC | 364.7 | 892.77 | µg/L | 15.515 | 892.77 | µg/L | 15.515 | 1.74% |
| SN 189 IEC | 625.0 | 811.67 | µg/L | 7.748 | 811.67 | µg/L | 7.748 | 0.95% |
| SR 407 IEC | 76667.9 | 1078.5 | µg/L | 5.55 | 1078.5 | µg/L | 5.55 | 0.51% |
| TI 334 IEC | 427653.5 | 944.75 | µg/L | 2.539 | 944.75 | µg/L | 2.539 | 0.27% |
| TL 190 IEC | 237.1 | 758.81 | µg/L | 33.496 | 758.81 | µg/L | 33.496 | 4.41% |
| V 292 IEC | 100863.3 | 964.27 | µg/L | 3.097 | 964.27 | µg/L | 3.097 | 0.32% |
| ZN 206 IEC | 8477.0 | 850.86 | µg/L | 0.982 | 850.86 | µg/L | 0.982 | 0.12% |
| SI 251 IEC | 737.1 | -2166.4 | µg/L | 88.16 | -2166.4 | µg/L | 88.16 | 4.07% |

Sequence No.: 10
Sample ID: CRI1
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 160
Date Collected: 12/21/2006 10:47:42 AM

Sample Prep Volume:
Data Type: Original

Mean Data: CRI1

| Analyte | Mean Corrected Intensity | Calib Conc. | Units | Std.Dev. | Sample Conc. | Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | 995.6 | 10.70 | µg/L | 0.005 | 10.70 | µg/L | 0.005 | 0.05% |
| AL 308 IEC | 33.0 | 364.60 | µg/L | 29.275 | 364.60 | µg/L | 29.275 | 8.03% |
| AL 308 LOW | 3424.6 | 338.01 | µg/L | 3.096 | 338.01 | µg/L | 3.096 | 0.92% |
| AS 188 IEC | 7.7 | 29.27 | µg/L | 9.127 | 29.27 | µg/L | 9.127 | 31.18% |
| B 208 IEC | 70.5 | 37.23 | µg/L | 1.452 | 37.23 | µg/L | 1.452 | 3.90% |
| BA 233 IEC | 830.7 | 23.63 | µg/L | 0.193 | 23.63 | µg/L | 0.193 | 0.82% |
| BE 313 IEC | 49657.0 | 22.00 | µg/L | 0.020 | 22.00 | µg/L | 0.020 | 0.09% |
| CA 317 IEC | 187.1 | 330.72 | µg/L | 0.639 | 330.72 | µg/L | 0.639 | 0.19% |
| CD 226 IEC | 961.7 | 23.87 | µg/L | 0.024 | 23.87 | µg/L | 0.024 | 0.10% |
| CO 228 IEC | 285.9 | 23.48 | µg/L | 0.289 | 23.48 | µg/L | 0.289 | 1.23% |
| CR 267 IEC | 1313.6 | 22.82 | µg/L | 0.380 | 22.82 | µg/L | 0.380 | 1.67% |
| CU 324 IEC | 4924.7 | 30.85 | µg/L | 0.691 | 30.85 | µg/L | 0.691 | 2.24% |
| FE 238 IEC | 45.1 | 279.48 | µg/L | 0.728 | 279.48 | µg/L | 0.728 | 0.26% |
| FE 238 LOW | 11201.0 | 285.17 | µg/L | 1.868 | 285.17 | µg/L | 1.868 | 0.66% |
| K 766 IEC | 361.2 | 165.62 | µg/L | 11.978 | 165.62 | µg/L | 11.978 | 7.23% |
| LI 670 IEC | 623.3 | 24.17 | µg/L | 0.262 | 24.17 | µg/L | 0.262 | 1.08% |
| MG 279 IEC | 63.9 | 544.87 | µg/L | 1.682 | 544.87 | µg/L | 1.682 | 0.31% |
| MN 257 IEC | 5839.4 | 23.29 | µg/L | 0.022 | 23.29 | µg/L | 0.022 | 0.09% |
| MO 202 IEC | 86.3 | 22.90 | µg/L | 0.086 | 22.90 | µg/L | 0.086 | 0.37% |
| NA 589 IEC | 213.9 | 69.19 | µg/L | 6.977 | 69.19 | µg/L | 6.977 | 10.08% |
| NI 231 IEC | 251.5 | 24.30 | µg/L | 0.292 | 24.30 | µg/L | 0.292 | 1.20% |
| PB 220 IEC | 56.9 | 23.65 | µg/L | 0.409 | 23.65 | µg/L | 0.409 | 1.73% |
| SB 217 IEC | 29.9 | 21.13 | µg/L | 3.375 | 21.13 | µg/L | 3.375 | 15.98% |
| SE 196 IEC | 13.4 | 32.61 | µg/L | 13.621 | 32.61 | µg/L | 13.621 | 41.77% |
| SN 189 IEC | 20.0 | 25.98 | µg/L | 2.215 | 25.98 | µg/L | 2.215 | 8.52% |
| SR 407 IEC | 1697.9 | 23.88 | µg/L | 0.051 | 23.88 | µg/L | 0.051 | 0.21% |
| TI 334 IEC | 9936.4 | 21.95 | µg/L | 0.006 | 21.95 | µg/L | 0.006 | 0.03% |
| TL 190 IEC | 4.3 | 16.58 | µg/L | 2.925 | 16.58 | µg/L | 2.925 | 17.64% |
| V 292 IEC | 2356.9 | 22.53 | µg/L | 0.027 | 22.53 | µg/L | 0.027 | 0.12% |
| ZN 206 IEC | 230.1 | 23.10 | µg/L | 0.414 | 23.10 | µg/L | 0.414 | 1.79% |
| SI 251 IEC | 12.0 | 62.83 | µg/L | 12.893 | 62.83 | µg/L | 12.893 | 20.52% |

Sequence No.: 11
Sample ID: CCV1
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 12/21/2006 10:52:33 AM
Sample Prep Volume:
Data Type: Original

Mean Data: CCV1

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | 44654.2 | 479.92 | µg/L | 10.799 | 479.92 | µg/L | 10.799 | 2.25% |
| AL 308 IEC | 925.8 | 10228 | µg/L | 84.2 | 10228 | µg/L | 84.2 | 0.82% |
| AL 308 LOW | 102651.8 | 10132 | µg/L | 260.9 | 10132 | µg/L | 260.9 | 2.57% |
| AS 188 IEC | 261.4 | 993.10 | µg/L | 0.453 | 993.10 | µg/L | 0.453 | 0.05% |
| B 208 IEC | 1902.6 | 1004.6 | µg/L | 15.40 | 1004.6 | µg/L | 15.40 | 1.53% |
| BA 233 IEC | 35759.3 | 1017.1 | µg/L | 30.03 | 1017.1 | µg/L | 30.03 | 2.95% |
| BE 313 IEC | 2202593.7 | 975.79 | µg/L | 3.002 | 975.79 | µg/L | 3.002 | 0.31% |
| CA 317 IEC | 5631.8 | 9957.1 | µg/L | 83.83 | 9957.1 | µg/L | 83.83 | 0.84% |
| CD 226 IEC | 40727.7 | 1010.9 | µg/L | 25.10 | 1010.9 | µg/L | 25.10 | 2.48% |
| CO 228 IEC | 11978.0 | 983.77 | µg/L | 27.986 | 983.77 | µg/L | 27.986 | 2.84% |
| CR 267 IEC | 57991.0 | 1007.2 | µg/L | 25.84 | 1007.2 | µg/L | 25.84 | 2.57% |
| CU 324 IEC | 159842.4 | 1001.4 | µg/L | 27.27 | 1001.4 | µg/L | 27.27 | 2.72% |
| FE 238 IEC | 1602.7 | 9942.4 | µg/L | 63.57 | 9942.4 | µg/L | 63.57 | 0.64% |
| FE 238 LOW | 388273.9 | 9885.2 | µg/L | 29.12 | 9885.2 | µg/L | 29.12 | 0.29% |
| K 766 IEC | 22172.6 | 10166 | µg/L | 117.0 | 10166 | µg/L | 117.0 | 1.15% |
| LI 670 IEC | 26566.2 | 1030.1 | µg/L | 10.43 | 1030.1 | µg/L | 10.43 | 1.01% |
| MG 279 IEC | 1189.6 | 10147 | µg/L | 135.7 | 10147 | µg/L | 135.7 | 1.34% |
| MN 257 IEC | 257257.5 | 1026.1 | µg/L | 27.14 | 1026.1 | µg/L | 27.14 | 2.65% |
| MO 202 IEC | 3640.4 | 966.23 | µg/L | 4.180 | 966.23 | µg/L | 4.180 | 0.43% |
| NA 589 IEC | 31956.0 | 10339 | µg/L | 87.7 | 10339 | µg/L | 87.7 | 0.85% |
| NI 231 IEC | 10225.4 | 987.85 | µg/L | 21.797 | 987.85 | µg/L | 21.797 | 2.21% |
| PB 220 IEC | 2356.2 | 979.82 | µg/L | 7.130 | 979.82 | µg/L | 7.130 | 0.73% |
| SB 217 IEC | 1391.2 | 980.66 | µg/L | 8.277 | 980.66 | µg/L | 8.277 | 0.84% |
| SE 196 IEC | 406.3 | 990.47 | µg/L | 32.705 | 990.47 | µg/L | 32.705 | 3.30% |
| SN 189 IEC | 772.9 | 1003.7 | µg/L | 9.61 | 1003.7 | µg/L | 9.61 | 0.96% |
| SR 407 IEC | 77164.3 | 1085.5 | µg/L | 3.09 | 1085.5 | µg/L | 3.09 | 0.29% |
| TI 334 IEC | 439604.7 | 971.15 | µg/L | 2.739 | 971.15 | µg/L | 2.739 | 0.28% |
| TL 190 IEC | 246.5 | 958.39 | µg/L | 5.390 | 958.39 | µg/L | 5.390 | 0.56% |
| V 292 IEC | 105852.0 | 1012.0 | µg/L | 27.58 | 1012.0 | µg/L | 27.58 | 2.73% |
| ZN 206 IEC | 9913.2 | 995.02 | µg/L | 26.477 | 995.02 | µg/L | 26.477 | 2.66% |
| SI 251 IEC | 879.6 | 4916.6 | µg/L | 14.90 | 4916.6 | µg/L | 14.90 | 0.30% |

Sequence No.: 12
Sample ID: CCB1
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 12/21/2006 10:57:33 AM

Sample Prep Volume:
Data Type: Original

Mean Data: CCB1

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | -43.8 | -0.47 | µg/L | 0.164 | -0.47 | µg/L | 0.164 | 34.88% |
| AL 308 IEC | 13.1 | 144.91 | µg/L | 7.343 | 144.91 | µg/L | 7.343 | 5.07% |
| AL 308 LOW | 792.4 | 78.21 | µg/L | 7.512 | 78.21 | µg/L | 7.512 | 9.61% |
| AS 188 IEC | 1.1 | 4.11 | µg/L | 6.401 | 4.11 | µg/L | 6.401 | 155.83% |
| B 208 IEC | 38.6 | 20.37 | µg/L | 0.669 | 20.37 | µg/L | 0.669 | 3.28% |
| BA 233 IEC | 18.0 | 0.51 | µg/L | 0.006 | 0.51 | µg/L | 0.006 | 1.11% |
| BE 313 IEC | 685.8 | 0.30 | µg/L | 0.067 | 0.30 | µg/L | 0.067 | 21.96% |
| CA 317 IEC | 63.8 | 112.83 | µg/L | 24.260 | 112.83 | µg/L | 24.260 | 21.50% |
| CD 226 IEC | 26.5 | 0.66 | µg/L | 0.099 | 0.66 | µg/L | 0.099 | 15.09% |
| CO 228 IEC | 9.9 | 0.81 | µg/L | 0.214 | 0.81 | µg/L | 0.214 | 26.30% |
| CR 267 IEC | -1.6 | -0.03 | µg/L | 0.217 | -0.03 | µg/L | 0.217 | 777.96% |
| CU 324 IEC | 1157.6 | 7.25 | µg/L | 0.348 | 7.25 | µg/L | 0.348 | 4.80% |
| FE 238 IEC | 8.7 | 54.26 | µg/L | 13.229 | 54.26 | µg/L | 13.229 | 24.38% |
| FE 238 LOW | 1387.5 | 35.33 | µg/L | 4.115 | 35.33 | µg/L | 4.115 | 11.65% |
| K 766 IEC | 13.8 | 6.31 | µg/L | 42.760 | 6.31 | µg/L | 42.760 | 678.04% |
| LI 670 IEC | -9.9 | -0.39 | µg/L | 2.895 | -0.39 | µg/L | 2.895 | 750.37% |
| MG 279 IEC | 19.9 | 169.96 | µg/L | 25.996 | 169.96 | µg/L | 25.996 | 15.30% |
| MN 257 IEC | 84.9 | 0.34 | µg/L | 0.063 | 0.34 | µg/L | 0.063 | 18.70% |
| MO 202 IEC | 7.1 | 1.89 | µg/L | 0.263 | 1.89 | µg/L | 0.263 | 13.94% |
| NA 589 IEC | -534.8 | -173.04 | µg/L | 5.282 | -173.04 | µg/L | 5.282 | 3.05% |
| NI 231 IEC | 15.3 | 1.48 | µg/L | 0.133 | 1.48 | µg/L | 0.133 | 8.98% |
| PB 220 IEC | -2.7 | -1.13 | µg/L | 1.099 | -1.13 | µg/L | 1.099 | 97.42% |
| SB 217 IEC | -7.3 | -5.14 | µg/L | 0.626 | -5.14 | µg/L | 0.626 | 12.17% |
| SE 196 IEC | 4.9 | 12.01 | µg/L | 3.883 | 12.01 | µg/L | 3.883 | 32.34% |
| SN 189 IEC | 3.3 | 4.31 | µg/L | 0.260 | 4.31 | µg/L | 0.260 | 6.05% |
| SR 407 IEC | 58.8 | 0.83 | µg/L | 0.009 | 0.83 | µg/L | 0.009 | 1.10% |
| TI 334 IEC | 244.8 | 0.54 | µg/L | 0.132 | 0.54 | µg/L | 0.132 | 24.43% |
| TL 190 IEC | -2.9 | -11.50 | µg/L | 5.136 | -11.50 | µg/L | 5.136 | 44.65% |
| V 292 IEC | -12.0 | -0.11 | µg/L | 0.194 | -0.11 | µg/L | 0.194 | 169.88% |
| ZN 206 IEC | 4.9 | 0.49 | µg/L | 0.406 | 0.49 | µg/L | 0.406 | 82.85% |
| SI 251 IEC | -1.0 | -7.71 | µg/L | 2.751 | -7.71 | µg/L | 2.751 | 35.67% |

Sequence No.: 13
Sample ID: 20491436/80241B
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 12/21/2006 11:02:21 AM
Sample Prep Volume:
Data Type: Original

Mean Data: 20491436/80241B

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | 0.5 | 0.01 | µg/L | 0.130 | 0.01 | µg/L | 0.130 | >999.9% |
| AL 308 IEC | 14.8 | 163.83 | µg/L | 37.547 | 163.83 | µg/L | 37.547 | 22.92% |
| AL 308 LOW | 1990.7 | 196.48 | µg/L | 89.561 | 196.48 | µg/L | 89.561 | 45.58% |
| AS 188 IEC | 1.0 | 3.83 | µg/L | 9.218 | 3.83 | µg/L | 9.218 | 240.85% |
| B 208 IEC | 18.5 | 9.79 | µg/L | 1.605 | 9.79 | µg/L | 1.605 | 16.41% |
| BA 233 IEC | 51.4 | 1.46 | µg/L | 1.159 | 1.46 | µg/L | 1.159 | 79.27% |
| BE 313 IEC | 1043.6 | 0.46 | µg/L | 0.573 | 0.46 | µg/L | 0.573 | 124.00% |
| CA 317 IEC | 44.8 | 79.20 | µg/L | 45.863 | 79.20 | µg/L | 45.863 | 57.91% |
| CD 226 IEC | 20.3 | 0.50 | µg/L | 0.461 | 0.50 | µg/L | 0.461 | 91.60% |
| CO 228 IEC | 7.3 | 0.60 | µg/L | 0.095 | 0.60 | µg/L | 0.095 | 15.87% |
| CR 267 IEC | 7.5 | 0.13 | µg/L | 0.727 | 0.13 | µg/L | 0.727 | 559.78% |
| CU 324 IEC | 849.2 | 5.32 | µg/L | 0.770 | 5.32 | µg/L | 0.770 | 14.48% |
| FE 238 IEC | 4.0 | 25.10 | µg/L | 27.302 | 25.10 | µg/L | 27.302 | 108.76% |
| FE 238 LOW | 2038.2 | 51.89 | µg/L | 39.262 | 51.89 | µg/L | 39.262 | 75.66% |
| K 766 IEC | -85.4 | -39.16 | µg/L | 11.068 | -39.16 | µg/L | 11.068 | 28.26% |
| LI 670 IEC | 61.3 | 2.38 | µg/L | 0.978 | 2.38 | µg/L | 0.978 | 41.17% |
| MG 279 IEC | 12.9 | 109.80 | µg/L | 50.434 | 109.80 | µg/L | 50.434 | 45.93% |
| MN 257 IEC | 874.5 | 3.49 | µg/L | 0.473 | 3.49 | µg/L | 0.473 | 13.55% |
| MO 202 IEC | 2.4 | 0.62 | µg/L | 0.821 | 0.62 | µg/L | 0.821 | 131.41% |
| NA 589 IEC | -326.5 | -105.63 | µg/L | 14.490 | -105.63 | µg/L | 14.490 | 13.72% |
| NI 231 IEC | 17.2 | 1.66 | µg/L | 1.024 | 1.66 | µg/L | 1.024 | 61.72% |
| PB 220 IEC | -1.3 | -0.53 | µg/L | 1.611 | -0.53 | µg/L | 1.611 | 306.03% |
| SB 217 IEC | -2.5 | -1.74 | µg/L | 1.585 | -1.74 | µg/L | 1.585 | 91.10% |
| SE 196 IEC | 5.5 | 13.47 | µg/L | 10.813 | 13.47 | µg/L | 10.813 | 80.24% |
| SN 189 IEC | 2.3 | 3.00 | µg/L | 1.281 | 3.00 | µg/L | 1.281 | 42.71% |
| SR 407 IEC | 0.4 | 0.01 | µg/L | 0.162 | 0.01 | µg/L | 0.162 | >999.9% |
| TI 334 IEC | 285.2 | 0.63 | µg/L | 0.526 | 0.63 | µg/L | 0.526 | 83.48% |
| TL 190 IEC | 0.4 | 1.61 | µg/L | 1.055 | 1.61 | µg/L | 1.055 | 65.58% |
| V 292 IEC | 20.9 | 0.20 | µg/L | 0.441 | 0.20 | µg/L | 0.441 | 221.07% |
| ZN 206 IEC | 22.9 | 2.30 | µg/L | 0.596 | 2.30 | µg/L | 0.596 | 25.93% |
| SI 251 IEC | -7.6 | -45.15 | µg/L | 7.065 | -45.15 | µg/L | 7.065 | 15.65% |

Sequence No.: 14
Sample ID: 20491437/LCS
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 10
Date Collected: 12/21/2006 11:07:11 AM

Sample Prep Volume:
Data Type: Original

Mean Data: 20491437/LCS

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | 43146.0 | 463.71 | µg/L | 9.212 | 463.71 | µg/L | 9.212 | 1.99% |
| AL 308 IEC | 936.1 | 10342 | µg/L | 6.0 | 10342 | µg/L | 6.0 | 0.06% |
| AL 308 LOW | 103454.0 | 10211 | µg/L | 176.4 | 10211 | µg/L | 176.4 | 1.73% |
| AS 188 IEC | 265.6 | 1009.3 | µg/L | 9.56 | 1009.3 | µg/L | 9.56 | 0.95% |
| B 208 IEC | 1602.8 | 846.36 | µg/L | 5.038 | 846.36 | µg/L | 5.038 | 0.60% |
| BA 233 IEC | 35966.9 | 1023.0 | µg/L | 12.63 | 1023.0 | µg/L | 12.63 | 1.23% |
| BE 313 IEC | 2208860.0 | 978.56 | µg/L | 20.917 | 978.56 | µg/L | 20.917 | 2.14% |
| CA 317 IEC | 5558.0 | 9826.5 | µg/L | 3.78 | 9826.5 | µg/L | 3.78 | 0.04% |
| CD 226 IEC | 39948.0 | 991.58 | µg/L | 12.668 | 991.58 | µg/L | 12.668 | 1.28% |
| CO 228 IEC | 11685.3 | 959.73 | µg/L | 19.532 | 959.73 | µg/L | 19.532 | 2.04% |
| CR 267 IEC | 55998.3 | 972.57 | µg/L | 13.516 | 972.57 | µg/L | 13.516 | 1.39% |
| CU 324 IEC | 159481.9 | 999.11 | µg/L | 17.739 | 999.11 | µg/L | 17.739 | 1.78% |
| FE 238 IEC | 1598.5 | 9916.4 | µg/L | 17.53 | 9916.4 | µg/L | 17.53 | 0.18% |
| FE 238 LOW | 380398.7 | 9684.7 | µg/L | 210.75 | 9684.7 | µg/L | 210.75 | 2.18% |
| K 766 IEC | 22168.0 | 10164 | µg/L | 316.2 | 10164 | µg/L | 316.2 | 3.11% |
| LI 670 IEC | 25274.0 | 979.95 | µg/L | 21.573 | 979.95 | µg/L | 21.573 | 2.20% |
| MG 279 IEC | 1146.7 | 9780.3 | µg/L | 54.61 | 9780.3 | µg/L | 54.61 | 0.56% |
| MN 257 IEC | 253205.5 | 1010.0 | µg/L | 14.59 | 1010.0 | µg/L | 14.59 | 1.44% |
| MO 202 IEC | 3687.2 | 978.66 | µg/L | 3.551 | 978.66 | µg/L | 3.551 | 0.36% |
| NA 589 IEC | 32012.7 | 10357 | µg/L | 338.3 | 10357 | µg/L | 338.3 | 3.27% |
| NI 231 IEC | 10181.8 | 983.64 | µg/L | 18.692 | 983.64 | µg/L | 18.692 | 1.90% |
| PB 220 IEC | 2340.2 | 973.19 | µg/L | 0.729 | 973.19 | µg/L | 0.729 | 0.07% |
| SB 217 IEC | 1393.9 | 982.52 | µg/L | 1.688 | 982.52 | µg/L | 1.688 | 0.17% |
| SE 196 IEC | 435.7 | 1061.9 | µg/L | 10.14 | 1061.9 | µg/L | 10.14 | 0.95% |
| SN 189 IEC | 792.8 | 1029.5 | µg/L | 2.39 | 1029.5 | µg/L | 2.39 | 0.23% |
| SR 407 IEC | 79721.0 | 1121.4 | µg/L | 38.11 | 1121.4 | µg/L | 38.11 | 3.40% |
| TI 334 IEC | 440074.5 | 972.19 | µg/L | 20.891 | 972.19 | µg/L | 20.891 | 2.15% |
| TL 190 IEC | 252.1 | 980.16 | µg/L | 18.126 | 980.16 | µg/L | 18.126 | 1.85% |
| V 292 IEC | 106466.5 | 1017.8 | µg/L | 13.56 | 1017.8 | µg/L | 13.56 | 1.33% |
| ZN 206 IEC | 9950.8 | 998.79 | µg/L | 10.020 | 998.79 | µg/L | 10.020 | 1.00% |
| SI 251 IEC | 706.7 | 3916.6 | µg/L | 19.77 | 3916.6 | µg/L | 19.77 | 0.50% |

12/21/2006 11:13:46 AM Hg ReAlign... Actual peak offset (nm): -0.002
Drift (nm): -0.000 Slit adjustment: -2

Sequence No.: 16
Sample ID: 20488920/OQS
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 11
Date Collected: 12/21/2006 11:13:48 AM
Sample Prep Volume:
Data Type: Original

Mean Data: 20488920/OQS

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | -7.2 | 1.01 | µg/L | 0.583 | 1.01 | µg/L | 0.583 | 57.67% |
| AL 308 IEC | 20.4 | 225.37 | µg/L | 13.165 | 225.37 | µg/L | 13.165 | 5.84% |
| AL 308 LOW | 1927.9 | 190.28 | µg/L | 8.161 | 190.28 | µg/L | 8.161 | 4.29% |
| AS 188 IEC | 27.0 | 106.37 | µg/L | 2.402 | 106.37 | µg/L | 2.402 | 2.26% |
| B 208 IEC | 368.1 | 194.36 | µg/L | 3.602 | 194.36 | µg/L | 3.602 | 1.85% |
| BA 233 IEC | 21125.2 | 600.89 | µg/L | 9.061 | 600.89 | µg/L | 9.061 | 1.51% |
| BE 313 IEC | -247.2 | -0.11 | µg/L | 0.033 | -0.11 | µg/L | 0.033 | 29.94% |
| CA 317 IEC | 47390.4 | 83786 | µg/L | 1262.3 | 83786 | µg/L | 1262.3 | 1.51% |
| CD 226 IEC | 24.7 | 0.61 | µg/L | 0.164 | 0.61 | µg/L | 0.164 | 26.87% |
| CO 228 IEC | 20.9 | 1.72 | µg/L | 0.247 | 1.72 | µg/L | 0.247 | 14.39% |
| CR 267 IEC | 82.0 | 1.42 | µg/L | 0.009 | 1.42 | µg/L | 0.009 | 0.61% |
| CU 324 IEC | 1674.5 | 10.49 | µg/L | 0.137 | 10.49 | µg/L | 0.137 | 1.31% |
| FE 238 IEC | 18.3 | 113.69 | µg/L | 0.284 | 113.69 | µg/L | 0.284 | 0.25% |
| FE 238 LOW | 3996.5 | 101.75 | µg/L | 1.250 | 101.75 | µg/L | 1.250 | 1.23% |
| K 766 IEC | 19016.0 | 8718.4 | µg/L | 124.39 | 8718.4 | µg/L | 124.39 | 1.43% |
| LI 670 IEC | 668.1 | 25.90 | µg/L | 1.133 | 25.90 | µg/L | 1.133 | 4.37% |
| MG 279 IEC | 2482.2 | 21171 | µg/L | 168.8 | 21171 | µg/L | 168.8 | 0.80% |
| MN 257 IEC | 402938.8 | 1607.2 | µg/L | 24.58 | 1607.2 | µg/L | 24.58 | 1.53% |
| MO 202 IEC | 104.7 | 27.79 | µg/L | 1.134 | 27.79 | µg/L | 1.134 | 4.08% |
| NA 589 IEC | 3414610.0 | 1104800 | µg/L | 3769.1 | 1104800 | µg/L | 3769.1 | 0.34% |
| NI 231 IEC | 56.5 | 5.45 | µg/L | 0.432 | 5.45 | µg/L | 0.432 | 7.92% |
| PB 220 IEC | -1.3 | -0.55 | µg/L | 0.349 | -0.55 | µg/L | 0.349 | 63.73% |
| SB 217 IEC | -13.3 | -7.05 | µg/L | 2.186 | -7.05 | µg/L | 2.186 | 31.02% |
| SE 196 IEC | 22.0 | 44.90 | µg/L | 10.316 | 44.90 | µg/L | 10.316 | 22.98% |
| SN 189 IEC | -26.2 | -33.99 | µg/L | 1.851 | -33.99 | µg/L | 1.851 | 5.45% |
| SR 407 IEC | 46328.6 | 651.69 | µg/L | 11.233 | 651.69 | µg/L | 11.233 | 1.72% |
| TI 334 IEC | 146.7 | 0.32 | µg/L | 0.044 | 0.32 | µg/L | 0.044 | 13.59% |
| TL 190 IEC | 10.8 | 12.27 | µg/L | 2.526 | 12.27 | µg/L | 2.526 | 20.59% |
| V 292 IEC | 432.5 | 4.13 | µg/L | 0.278 | 4.13 | µg/L | 0.278 | 6.72% |
| ZN 206 IEC | 0.8 | 0.08 | µg/L | 0.690 | 0.08 | µg/L | 0.690 | 827.26% |
| SI 251 IEC | 2593.1 | 14667 | µg/L | 129.7 | 14667 | µg/L | 129.7 | 0.88% |

Sequence No.: 17
Sample ID: 20491438/MS1
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 12
Date Collected: 12/21/2006 11:18:44 AM

Sample Prep Volume:
Data Type: Original

Mean Data: 20491438/MS1

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | 37022.3 | 398.94 | µg/L | 5.141 | 398.94 | µg/L | 5.141 | 1.29% |
| AL 308 IEC | 839.5 | 9275.0 | µg/L | 66.53 | 9275.0 | µg/L | 66.53 | 0.72% |
| AL 308 LOW | 95554.6 | 9431.3 | µg/L | 88.65 | 9431.3 | µg/L | 88.65 | 0.94% |
| AS 188 IEC | 265.2 | 1011.4 | µg/L | 0.74 | 1011.4 | µg/L | 0.74 | 0.07% |
| B 208 IEC | 1712.0 | 904.02 | µg/L | 14.697 | 904.02 | µg/L | 14.697 | 1.63% |
| BA 233 IEC | 48647.4 | 1383.7 | µg/L | 14.97 | 1383.7 | µg/L | 14.97 | 1.08% |
| BE 313 IEC | 1908517.6 | 845.51 | µg/L | 34.619 | 845.51 | µg/L | 34.619 | 4.09% |
| CA 317 IEC | 50303.4 | 88936 | µg/L | 1472.2 | 88936 | µg/L | 1472.2 | 1.66% |
| CD 226 IEC | 31758.7 | 788.28 | µg/L | 10.995 | 788.28 | µg/L | 10.995 | 1.39% |
| CO 228 IEC | 9234.0 | 758.40 | µg/L | 7.755 | 758.40 | µg/L | 7.755 | 1.02% |
| CR 267 IEC | 46021.0 | 799.28 | µg/L | 10.222 | 799.28 | µg/L | 10.222 | 1.28% |
| CU 324 IEC | 146050.4 | 914.97 | µg/L | 12.244 | 914.97 | µg/L | 12.244 | 1.34% |
| FE 238 IEC | 1355.7 | 8409.9 | µg/L | 64.08 | 8409.9 | µg/L | 64.08 | 0.76% |
| FE 238 LOW | 315256.8 | 8026.2 | µg/L | 317.54 | 8026.2 | µg/L | 317.54 | 3.96% |
| K 766 IEC | 39487.7 | 18104 | µg/L | 309.9 | 18104 | µg/L | 309.9 | 1.71% |
| LI 670 IEC | 26113.4 | 1012.5 | µg/L | 17.16 | 1012.5 | µg/L | 17.16 | 1.70% |
| MG 279 IEC | 3278.1 | 27960 | µg/L | 71.9 | 27960 | µg/L | 71.9 | 0.26% |
| MN 257 IEC | 580119.7 | 2313.9 | µg/L | 99.15 | 2313.9 | µg/L | 99.15 | 4.29% |
| MO 202 IEC | 3261.6 | 865.69 | µg/L | 8.727 | 865.69 | µg/L | 8.727 | 1.01% |
| NA 589 IEC | 3225029.1 | 1043400 | µg/L | 11567.3 | 1043400 | µg/L | 11567.3 | 1.11% |
| NI 231 IEC | 8100.3 | 782.55 | µg/L | 10.666 | 782.55 | µg/L | 10.666 | 1.36% |
| PB 220 IEC | 1915.4 | 796.55 | µg/L | 8.092 | 796.55 | µg/L | 8.092 | 1.02% |
| SB 217 IEC | 1183.5 | 836.42 | µg/L | 5.761 | 836.42 | µg/L | 5.761 | 0.69% |
| SE 196 IEC | 407.7 | 985.12 | µg/L | 28.747 | 985.12 | µg/L | 28.747 | 2.92% |
| SN 189 IEC | 655.2 | 850.88 | µg/L | 8.292 | 850.88 | µg/L | 8.292 | 0.97% |
| SR 407 IEC | 114152.1 | 1605.7 | µg/L | 38.69 | 1605.7 | µg/L | 38.69 | 2.41% |
| TI 334 IEC | 378115.6 | 835.31 | µg/L | 35.053 | 835.31 | µg/L | 35.053 | 4.20% |
| TL 190 IEC | 205.0 | 768.17 | µg/L | 4.006 | 768.17 | µg/L | 4.006 | 0.52% |
| V 292 IEC | 89551.7 | 856.13 | µg/L | 11.072 | 856.13 | µg/L | 11.072 | 1.29% |
| ZN 206 IEC | 8572.2 | 860.41 | µg/L | 7.821 | 860.41 | µg/L | 7.821 | 0.91% |
| SI 251 IEC | 3032.9 | 17080 | µg/L | 29.2 | 17080 | µg/L | 29.2 | 0.17% |

Sequence No.: 18
Sample ID: 20491439/MSD1
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 13
Date Collected: 12/21/2006 11:23:48 AM
Sample Prep Volume:
Data Type: Original

Mean Data: 20491439/MSD1

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | 39527.8 | 425.88 | µg/L | 5.197 | 425.88 | µg/L | 5.197 | 1.22% |
| AL 308 IEC | 849.4 | 9383.4 | µg/L | 196.22 | 9383.4 | µg/L | 196.22 | 2.09% |
| AL 308 LOW | 96009.9 | 9476.2 | µg/L | 135.46 | 9476.2 | µg/L | 135.46 | 1.43% |
| AS 188 IEC | 273.0 | 1041.0 | µg/L | 17.56 | 1041.0 | µg/L | 17.56 | 1.69% |
| B 208 IEC | 1783.2 | 941.62 | µg/L | 15.261 | 941.62 | µg/L | 15.261 | 1.62% |
| BA 233 IEC | 50822.3 | 1445.6 | µg/L | 16.93 | 1445.6 | µg/L | 16.93 | 1.17% |
| BE 313 IEC | 2005949.2 | 888.67 | µg/L | 13.378 | 888.67 | µg/L | 13.378 | 1.51% |
| CA 317 IEC | 50986.4 | 90144 | µg/L | 3998.1 | 90144 | µg/L | 3998.1 | 4.44% |
| CD 226 IEC | 33352.2 | 827.83 | µg/L | 7.508 | 827.83 | µg/L | 7.508 | 0.91% |
| CO 228 IEC | 9776.2 | 802.94 | µg/L | 10.949 | 802.94 | µg/L | 10.949 | 1.36% |
| CR 267 IEC | 48301.6 | 838.89 | µg/L | 8.789 | 838.89 | µg/L | 8.789 | 1.05% |
| CU 324 IEC | 153551.8 | 961.96 | µg/L | 12.153 | 961.96 | µg/L | 12.153 | 1.26% |
| FE 238 IEC | 1439.2 | 8928.0 | µg/L | 160.08 | 8928.0 | µg/L | 160.08 | 1.79% |
| FE 238 LOW | 329251.8 | 8382.5 | µg/L | 126.19 | 8382.5 | µg/L | 126.19 | 1.51% |
| K 766 IEC | 40190.2 | 18426 | µg/L | 779.9 | 18426 | µg/L | 779.9 | 4.23% |
| LI 670 IEC | 26449.6 | 1025.5 | µg/L | 43.29 | 1025.5 | µg/L | 43.29 | 4.22% |
| MG 279 IEC | 3455.6 | 29474 | µg/L | 547.0 | 29474 | µg/L | 547.0 | 1.86% |
| MN 257 IEC | 603031.4 | 2405.3 | µg/L | 29.52 | 2405.3 | µg/L | 29.52 | 1.23% |
| MO 202 IEC | 3371.5 | 894.87 | µg/L | 20.667 | 894.87 | µg/L | 20.667 | 2.31% |
| NA 589 IEC | 3332009.6 | 1078000 | µg/L | 50925.3 | 1078000 | µg/L | 50925.3 | 4.72% |
| NI 231 IEC | 8498.7 | 821.04 | µg/L | 6.458 | 821.04 | µg/L | 6.458 | 0.79% |
| PB 220 IEC | 1978.4 | 822.73 | µg/L | 18.661 | 822.73 | µg/L | 18.661 | 2.27% |
| SB 217 IEC | 1221.7 | 863.45 | µg/L | 20.799 | 863.45 | µg/L | 20.799 | 2.41% |
| SE 196 IEC | 418.3 | 1010.9 | µg/L | 22.48 | 1010.9 | µg/L | 22.48 | 2.22% |
| SN 189 IEC | 668.0 | 867.50 | µg/L | 19.276 | 867.50 | µg/L | 19.276 | 2.22% |
| SR 407 IEC | 115327.9 | 1622.3 | µg/L | 65.01 | 1622.3 | µg/L | 65.01 | 4.01% |
| TI 334 IEC | 398201.2 | 879.69 | µg/L | 13.468 | 879.69 | µg/L | 13.468 | 1.53% |
| TL 190 IEC | 213.5 | 800.82 | µg/L | 21.585 | 800.82 | µg/L | 21.585 | 2.70% |
| V 292 IEC | 94198.8 | 900.56 | µg/L | 8.310 | 900.56 | µg/L | 8.310 | 0.92% |
| ZN 206 IEC | 8834.0 | 886.70 | µg/L | 17.666 | 886.70 | µg/L | 17.666 | 1.99% |
| SI 251 IEC | 3199.2 | 18030 | µg/L | 286.1 | 18030 | µg/L | 286.1 | 1.59% |

Sequence No.: 19
Sample ID: 20488921/OQS
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 14
Date Collected: 12/21/2006 11:28:50 AM

Sample Prep Volume:
Data Type: Original

Mean Data: 20488921/OQS

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | -58.5 | 0.35 | µg/L | 0.222 | 0.35 | µg/L | 0.222 | 64.24% |
| AL 308 IEC | 2.9 | 31.58 | µg/L | 13.144 | 31.58 | µg/L | 13.144 | 41.62% |
| AL 308 LOW | 122.7 | 12.12 | µg/L | 0.464 | 12.12 | µg/L | 0.464 | 3.83% |
| AS 188 IEC | 18.3 | 73.09 | µg/L | 1.775 | 73.09 | µg/L | 1.775 | 2.43% |
| B 208 IEC | 585.3 | 309.06 | µg/L | 5.782 | 309.06 | µg/L | 5.782 | 1.87% |
| BA 233 IEC | 6144.1 | 174.76 | µg/L | 0.171 | 174.76 | µg/L | 0.171 | 0.10% |
| BE 313 IEC | 36.5 | 0.02 | µg/L | 0.045 | 0.02 | µg/L | 0.045 | 277.30% |
| CA 317 IEC | 42467.2 | 75082 | µg/L | 899.3 | 75082 | µg/L | 899.3 | 1.20% |
| CD 226 IEC | 25.9 | 0.64 | µg/L | 0.054 | 0.64 | µg/L | 0.054 | 8.43% |
| CO 228 IEC | 9.7 | 0.80 | µg/L | 0.205 | 0.80 | µg/L | 0.205 | 25.66% |
| CR 267 IEC | -36.2 | -0.63 | µg/L | 0.180 | -0.63 | µg/L | 0.180 | 28.64% |
| CU 324 IEC | 839.8 | 5.26 | µg/L | 0.294 | 5.26 | µg/L | 0.294 | 5.58% |
| FE 238 IEC | 3.9 | 24.15 | µg/L | 3.648 | 24.15 | µg/L | 3.648 | 15.10% |
| FE 238 LOW | 1004.7 | 25.58 | µg/L | 0.408 | 25.58 | µg/L | 0.408 | 1.60% |
| K 766 IEC | 43006.9 | 19718 | µg/L | 407.8 | 19718 | µg/L | 407.8 | 2.07% |
| LI 670 IEC | 406.5 | 15.76 | µg/L | 0.214 | 15.76 | µg/L | 0.214 | 1.36% |
| MG 279 IEC | 2260.9 | 19284 | µg/L | 143.6 | 19284 | µg/L | 143.6 | 0.74% |
| MN 257 IEC | 1076.4 | 4.29 | µg/L | 0.067 | 4.29 | µg/L | 0.067 | 1.55% |
| MO 202 IEC | 8.4 | 2.22 | µg/L | 0.787 | 2.22 | µg/L | 0.787 | 35.50% |
| NA 589 IEC | 675709.0 | 218620 | µg/L | 6892.6 | 218620 | µg/L | 6892.6 | 3.15% |
| NI 231 IEC | 14.1 | 1.36 | µg/L | 0.852 | 1.36 | µg/L | 0.852 | 62.78% |
| PB 220 IEC | -2.0 | -0.84 | µg/L | 0.465 | -0.84 | µg/L | 0.465 | 55.34% |
| SB 217 IEC | -9.8 | -4.83 | µg/L | 0.344 | -4.83 | µg/L | 0.344 | 7.12% |
| SE 196 IEC | 17.7 | 35.16 | µg/L | 7.222 | 35.16 | µg/L | 7.222 | 20.54% |
| SN 189 IEC | -22.4 | -29.13 | µg/L | 2.277 | -29.13 | µg/L | 2.277 | 7.82% |
| SR 407 IEC | 38855.4 | 546.57 | µg/L | 12.168 | 546.57 | µg/L | 12.168 | 2.23% |
| TI 334 IEC | -229.4 | -0.51 | µg/L | 0.035 | -0.51 | µg/L | 0.035 | 6.95% |
| TL 190 IEC | 16.1 | 36.23 | µg/L | 5.859 | 36.23 | µg/L | 5.859 | 16.17% |
| V 292 IEC | 126.5 | 1.21 | µg/L | 0.055 | 1.21 | µg/L | 0.055 | 4.52% |
| ZN 206 IEC | 8.8 | 0.89 | µg/L | 0.139 | 0.89 | µg/L | 0.139 | 15.60% |
| SI 251 IEC | 3380.0 | 19264 | µg/L | 261.2 | 19264 | µg/L | 261.2 | 1.36% |

Sequence No.: 20
Sample ID: 20491440/MS2
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 15
Date Collected: 12/21/2006 11:33:44 AM
Sample Prep Volume:
Data Type: Original

Mean Data: 20491440/MS2

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | 37533.9 | 404.35 | µg/L | 1.446 | 404.35 | µg/L | 1.446 | 0.36% |
| AL 308 IEC | 805.6 | 8899.8 | µg/L | 7.76 | 8899.8 | µg/L | 7.76 | 0.09% |
| AL 308 LOW | 90337.7 | 8916.4 | µg/L | 20.20 | 8916.4 | µg/L | 20.20 | 0.23% |
| AS 188 IEC | 251.2 | 957.83 | µg/L | 4.848 | 957.83 | µg/L | 4.848 | 0.51% |
| B 208 IEC | 1960.6 | 1035.3 | µg/L | 7.22 | 1035.3 | µg/L | 7.22 | 0.70% |
| BA 233 IEC | 36138.5 | 1027.9 | µg/L | 3.47 | 1027.9 | µg/L | 3.47 | 0.34% |
| BE 313 IEC | 1901452.6 | 842.38 | µg/L | 6.585 | 842.38 | µg/L | 6.585 | 0.78% |
| CA 317 IEC | 46418.0 | 82067 | µg/L | 315.9 | 82067 | µg/L | 315.9 | 0.38% |
| CD 226 IEC | 32944.2 | 817.72 | µg/L | 2.711 | 817.72 | µg/L | 2.711 | 0.33% |
| CO 228 IEC | 9813.6 | 806.00 | µg/L | 5.298 | 806.00 | µg/L | 5.298 | 0.66% |
| CR 267 IEC | 47761.8 | 829.52 | µg/L | 3.258 | 829.52 | µg/L | 3.258 | 0.39% |
| CU 324 IEC | 143026.9 | 896.02 | µg/L | 3.848 | 896.02 | µg/L | 3.848 | 0.43% |
| FE 238 IEC | 1369.8 | 8497.4 | µg/L | 53.69 | 8497.4 | µg/L | 53.69 | 0.63% |
| FE 238 LOW | 316319.4 | 8053.3 | µg/L | 63.66 | 8053.3 | µg/L | 63.66 | 0.79% |
| K 766 IEC | 60776.2 | 27865 | µg/L | 50.7 | 27865 | µg/L | 50.7 | 0.18% |
| LI 670 IEC | 22721.7 | 880.99 | µg/L | 2.886 | 880.99 | µg/L | 2.886 | 0.33% |
| MG 279 IEC | 3158.3 | 26938 | µg/L | 33.5 | 26938 | µg/L | 33.5 | 0.12% |
| MN 257 IEC | 209623.6 | 836.12 | µg/L | 1.990 | 836.12 | µg/L | 1.990 | 0.24% |
| MO 202 IEC | 3208.0 | 851.47 | µg/L | 8.399 | 851.47 | µg/L | 8.399 | 0.99% |
| NA 589 IEC | 690653.4 | 223460 | µg/L | 1322.4 | 223460 | µg/L | 1322.4 | 0.59% |
| NI 231 IEC | 8724.6 | 842.86 | µg/L | 2.913 | 842.86 | µg/L | 2.913 | 0.35% |
| PB 220 IEC | 1928.4 | 801.94 | µg/L | 1.786 | 801.94 | µg/L | 1.786 | 0.22% |
| SB 217 IEC | 1182.0 | 835.24 | µg/L | 6.790 | 835.24 | µg/L | 6.790 | 0.81% |
| SE 196 IEC | 417.3 | 1009.3 | µg/L | 20.03 | 1009.3 | µg/L | 20.03 | 1.98% |
| SN 189 IEC | 666.4 | 865.31 | µg/L | 6.919 | 865.31 | µg/L | 6.919 | 0.80% |
| SR 407 IEC | 102155.7 | 1437.0 | µg/L | 18.95 | 1437.0 | µg/L | 18.95 | 1.32% |
| TI 334 IEC | 377177.3 | 833.24 | µg/L | 6.638 | 833.24 | µg/L | 6.638 | 0.80% |
| TL 190 IEC | 220.4 | 830.66 | µg/L | 7.125 | 830.66 | µg/L | 7.125 | 0.86% |
| V 292 IEC | 91920.1 | 878.77 | µg/L | 2.627 | 878.77 | µg/L | 2.627 | 0.30% |
| ZN 206 IEC | 8478.7 | 851.03 | µg/L | 3.733 | 851.03 | µg/L | 3.733 | 0.44% |
| SI 251 IEC | 3917.1 | 22231 | µg/L | 63.1 | 22231 | µg/L | 63.1 | 0.28% |

Sequence No.: 21
Sample ID: 20491441/MSD2
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 16
Date Collected: 12/21/2006 11:38:42 AM
Sample Prep Volume:
Data Type: Original

Mean Data: 20491441/MSD2

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Calib Std.Dev. | Sample Conc. | Sample Units | Sample Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | 37252.3 | 401.32 | µg/L | 7.973 | 401.32 | µg/L | 7.973 | 1.99% |
| AL 308 IEC | 827.2 | 9138.7 | µg/L | 15.73 | 9138.7 | µg/L | 15.73 | 0.17% |
| AL 308 LOW | 89499.4 | 8833.6 | µg/L | 172.48 | 8833.6 | µg/L | 172.48 | 1.95% |
| AS 188 IEC | 249.8 | 952.48 | µg/L | 8.556 | 952.48 | µg/L | 8.556 | 0.90% |
| B 208 IEC | 1988.2 | 1049.8 | µg/L | 4.40 | 1049.8 | µg/L | 4.40 | 0.42% |
| BA 233 IEC | 35341.4 | 1005.3 | µg/L | 16.71 | 1005.3 | µg/L | 16.71 | 1.66% |
| BE 313 IEC | 1968682.3 | 872.16 | µg/L | 16.104 | 872.16 | µg/L | 16.104 | 1.85% |
| CA 317 IEC | 46267.6 | 81801 | µg/L | 812.2 | 81801 | µg/L | 812.2 | 0.99% |
| CD 226 IEC | 32146.4 | 797.89 | µg/L | 14.282 | 797.89 | µg/L | 14.282 | 1.79% |
| CO 228 IEC | 9643.4 | 792.02 | µg/L | 11.014 | 792.02 | µg/L | 11.014 | 1.39% |
| CR 267 IEC | 46724.1 | 811.49 | µg/L | 15.065 | 811.49 | µg/L | 15.065 | 1.86% |
| CU 324 IEC | 140513.8 | 880.28 | µg/L | 15.727 | 880.28 | µg/L | 15.727 | 1.79% |
| FE 238 IEC | 1401.5 | 8694.1 | µg/L | 23.85 | 8694.1 | µg/L | 23.85 | 0.27% |
| FE 238 LOW | 328424.4 | 8361.5 | µg/L | 155.94 | 8361.5 | µg/L | 155.94 | 1.87% |
| K 766 IEC | 60646.4 | 27805 | µg/L | 196.7 | 27805 | µg/L | 196.7 | 0.71% |
| LI 670 IEC | 22849.5 | 885.95 | µg/L | 15.114 | 885.95 | µg/L | 15.114 | 1.71% |
| MG 279 IEC | 3188.7 | 27197 | µg/L | 72.7 | 27197 | µg/L | 72.7 | 0.27% |
| MN 257 IEC | 206022.9 | 821.75 | µg/L | 14.484 | 821.75 | µg/L | 14.484 | 1.76% |
| MO 202 IEC | 3240.9 | 860.21 | µg/L | 0.431 | 860.21 | µg/L | 0.431 | 0.05% |
| NA 589 IEC | 682049.6 | 220670 | µg/L | 2662.4 | 220670 | µg/L | 2662.4 | 1.21% |
| NI 231 IEC | 8382.6 | 809.82 | µg/L | 8.101 | 809.82 | µg/L | 8.101 | 1.00% |
| PB 220 IEC | 1928.1 | 801.82 | µg/L | 2.209 | 801.82 | µg/L | 2.209 | 0.28% |
| SB 217 IEC | 1191.8 | 842.16 | µg/L | 1.675 | 842.16 | µg/L | 1.675 | 0.20% |
| SE 196 IEC | 418.3 | 1011.8 | µg/L | 6.93 | 1011.8 | µg/L | 6.93 | 0.68% |
| SN 189 IEC | 672.5 | 873.31 | µg/L | 0.107 | 873.31 | µg/L | 0.107 | 0.01% |
| SR 407 IEC | 101512.2 | 1427.9 | µg/L | 24.37 | 1427.9 | µg/L | 24.37 | 1.71% |
| TI 334 IEC | 392556.0 | 867.22 | µg/L | 16.150 | 867.22 | µg/L | 16.150 | 1.86% |
| TL 190 IEC | 220.4 | 830.75 | µg/L | 20.303 | 830.75 | µg/L | 20.303 | 2.44% |
| V 292 IEC | 90025.0 | 860.66 | µg/L | 15.968 | 860.66 | µg/L | 15.968 | 1.86% |
| ZN 206 IEC | 8531.8 | 856.36 | µg/L | 1.650 | 856.36 | µg/L | 1.650 | 0.19% |
| SI 251 IEC | 3957.1 | 22461 | µg/L | 19.1 | 22461 | µg/L | 19.1 | 0.09% |

Sequence No.: 22
Sample ID: 20488922/OQS
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 17
Date Collected: 12/21/2006 11:43:41 AM
Sample Prep Volume:
Data Type: Original

Mean Data: 20488922/OQS

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Calib Std.Dev. | Sample Conc. | Sample Units | Sample Std.Dev. | Sample RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | 42.2 | 1.53 | µg/L | 0.123 | 1.53 | µg/L | 0.123 | 8.03% |
| AL 308 IEC | 4.8 | 52.63 | µg/L | 25.279 | 52.63 | µg/L | 25.279 | 48.03% |
| AL 308 LOW | 436.3 | 43.06 | µg/L | 6.059 | 43.06 | µg/L | 6.059 | 14.07% |
| AS 188 IEC | 8.8 | 36.96 | µg/L | 0.394 | 36.96 | µg/L | 0.394 | 1.07% |
| B 208 IEC | 542.5 | 286.45 | µg/L | 0.279 | 286.45 | µg/L | 0.279 | 0.10% |
| BA 233 IEC | 10286.3 | 292.59 | µg/L | 0.986 | 292.59 | µg/L | 0.986 | 0.34% |
| BE 313 IEC | 769.2 | 0.34 | µg/L | 0.016 | 0.34 | µg/L | 0.016 | 4.62% |
| CA 317 IEC | 46839.3 | 82812 | µg/L | 200.7 | 82812 | µg/L | 200.7 | 0.24% |
| CD 226 IEC | 33.7 | 0.84 | µg/L | 0.051 | 0.84 | µg/L | 0.051 | 6.09% |
| CO 228 IEC | 23.2 | 1.90 | µg/L | 0.437 | 1.90 | µg/L | 0.437 | 22.99% |
| CR 267 IEC | -10.5 | -0.18 | µg/L | 0.146 | -0.18 | µg/L | 0.146 | 79.69% |
| CU 324 IEC | 970.4 | 6.08 | µg/L | 0.013 | 6.08 | µg/L | 0.013 | 0.22% |
| FE 238 IEC | 1.6 | 10.18 | µg/L | 2.436 | 10.18 | µg/L | 2.436 | 23.93% |
| FE 238 LOW | 499.6 | 12.72 | µg/L | 0.002 | 12.72 | µg/L | 0.002 | 0.01% |
| K 766 IEC | 14885.5 | 6824.7 | µg/L | 68.21 | 6824.7 | µg/L | 68.21 | 1.00% |
| LI 670 IEC | 338.5 | 13.13 | µg/L | 1.173 | 13.13 | µg/L | 1.173 | 8.93% |
| MG 279 IEC | 3116.9 | 26585 | µg/L | 28.8 | 26585 | µg/L | 28.8 | 0.11% |
| MN 257 IEC | 1194560.2 | 4764.7 | µg/L | 18.96 | 4764.7 | µg/L | 18.96 | 0.40% |
| MO 202 IEC | 88.2 | 23.41 | µg/L | 0.009 | 23.41 | µg/L | 0.009 | 0.04% |
| NA 589 IEC | 461104.4 | 149190 | µg/L | 467.8 | 149190 | µg/L | 467.8 | 0.31% |
| NI 231 IEC | 64.9 | 6.27 | µg/L | 0.331 | 6.27 | µg/L | 0.331 | 5.28% |
| PB 220 IEC | 1.1 | 0.44 | µg/L | 0.933 | 0.44 | µg/L | 0.933 | 210.76% |
| SB 217 IEC | -11.9 | -6.09 | µg/L | 0.324 | -6.09 | µg/L | 0.324 | 5.33% |
| SE 196 IEC | 25.1 | 52.37 | µg/L | 2.813 | 52.37 | µg/L | 2.813 | 5.37% |
| SN 189 IEC | -34.5 | -44.75 | µg/L | 1.765 | -44.75 | µg/L | 1.765 | 3.94% |
| SR 407 IEC | 27557.0 | 387.64 | µg/L | 0.232 | 387.64 | µg/L | 0.232 | 0.06% |
| TI 334 IEC | -108.9 | -0.24 | µg/L | 0.046 | -0.24 | µg/L | 0.046 | 19.12% |
| TL 190 IEC | -1.4 | -34.85 | µg/L | 10.797 | -34.85 | µg/L | 10.797 | 30.98% |
| V 292 IEC | 189.7 | 1.81 | µg/L | 0.069 | 1.81 | µg/L | 0.069 | 3.82% |
| ZN 206 IEC | 20.7 | 2.08 | µg/L | 0.188 | 2.08 | µg/L | 0.188 | 9.06% |
| SI 251 IEC | 1956.9 | 10963 | µg/L | 62.1 | 10963 | µg/L | 62.1 | 0.57% |

Sequence No.: 23
Sample ID: 20488922/MS3
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 18
Date Collected: 12/21/2006 11:48:42 AM
Sample Prep Volume:
Data Type: Original

Mean Data: 20488922/MS3

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | 38400.0 | 413.75 | µg/L | 0.142 | 413.75 | µg/L | 0.142 | 0.03% |
| AL 308 IEC | 810.5 | 8953.8 | µg/L | 30.21 | 8953.8 | µg/L | 30.21 | 0.34% |
| AL 308 LOW | 89325.2 | 8816.4 | µg/L | 2.42 | 8816.4 | µg/L | 2.42 | 0.03% |
| AS 188 IEC | 244.4 | 932.01 | µg/L | 15.326 | 932.01 | µg/L | 15.326 | 1.64% |
| B 208 IEC | 1928.9 | 1018.5 | µg/L | 6.56 | 1018.5 | µg/L | 6.56 | 0.64% |
| BA 233 IEC | 40243.8 | 1144.7 | µg/L | 3.48 | 1144.7 | µg/L | 3.48 | 0.30% |
| BE 313 IEC | 1928301.1 | 854.27 | µg/L | 9.249 | 854.27 | µg/L | 9.249 | 1.08% |
| CA 317 IEC | 50455.2 | 89205 | µg/L | 1520.9 | 89205 | µg/L | 1520.9 | 1.70% |
| CD 226 IEC | 32918.3 | 817.07 | µg/L | 2.239 | 817.07 | µg/L | 2.239 | 0.27% |
| CO 228 IEC | 9855.7 | 809.46 | µg/L | 3.938 | 809.46 | µg/L | 3.938 | 0.49% |
| CR 267 IEC | 47681.6 | 828.12 | µg/L | 0.688 | 828.12 | µg/L | 0.688 | 0.08% |
| CU 324 IEC | 137996.9 | 864.51 | µg/L | 3.055 | 864.51 | µg/L | 3.055 | 0.35% |
| FE 238 IEC | 1380.7 | 8565.3 | µg/L | 7.31 | 8565.3 | µg/L | 7.31 | 0.09% |
| FE 238 LOW | 320838.5 | 8168.3 | µg/L | 89.89 | 8168.3 | µg/L | 89.89 | 1.10% |
| K 766 IEC | 33923.3 | 15553 | µg/L | 102.5 | 15553 | µg/L | 102.5 | 0.66% |
| LI 670 IEC | 22717.5 | 880.83 | µg/L | 9.265 | 880.83 | µg/L | 9.265 | 1.05% |
| MG 279 IEC | 4052.0 | 34560 | µg/L | 85.5 | 34560 | µg/L | 85.5 | 0.25% |
| MN 257 IEC | 1372579.3 | 5474.7 | µg/L | 54.17 | 5474.7 | µg/L | 54.17 | 0.99% |
| MO 202 IEC | 3298.7 | 875.55 | µg/L | 3.467 | 875.55 | µg/L | 3.467 | 0.40% |
| NA 589 IEC | 488913.1 | 158180 | µg/L | 1626.8 | 158180 | µg/L | 1626.8 | 1.03% |
| NI 231 IEC | 8576.6 | 828.56 | µg/L | 0.842 | 828.56 | µg/L | 0.842 | 0.10% |
| PB 220 IEC | 1919.0 | 798.04 | µg/L | 1.563 | 798.04 | µg/L | 1.563 | 0.20% |
| SB 217 IEC | 1190.2 | 841.17 | µg/L | 3.360 | 841.17 | µg/L | 3.360 | 0.40% |
| SE 196 IEC | 408.3 | 986.58 | µg/L | 9.976 | 986.58 | µg/L | 9.976 | 1.01% |
| SN 189 IEC | 657.1 | 853.35 | µg/L | 7.505 | 853.35 | µg/L | 7.505 | 0.88% |
| SR 407 IEC | 93908.0 | 1321.0 | µg/L | 18.29 | 1321.0 | µg/L | 18.29 | 1.38% |
| TI 334 IEC | 385444.3 | 851.50 | µg/L | 9.951 | 851.50 | µg/L | 9.951 | 1.17% |
| TL 190 IEC | 211.5 | 793.47 | µg/L | 18.475 | 793.47 | µg/L | 18.475 | 2.33% |
| V 292 IEC | 91807.0 | 877.69 | µg/L | 1.080 | 877.69 | µg/L | 1.080 | 0.12% |
| ZN 206 IEC | 8311.8 | 834.28 | µg/L | 3.809 | 834.28 | µg/L | 3.809 | 0.46% |
| SI 251 IEC | 2536.2 | 14175 | µg/L | 35.4 | 14175 | µg/L | 35.4 | 0.25% |

Sequence No.: 24
Sample ID: CCV2
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 12/21/2006 11:53:43 AM
Sample Prep Volume:
Data Type: Original

Mean Data: CCV2

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Calib Std.Dev. | Sample Conc. | Sample Units | Sample Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | 42039.1 | 451.81 | µg/L | 0.624 | 451.81 | µg/L | 0.624 | 0.14% |
| AL 308 IEC | 851.4 | 9405.9 | µg/L | 41.20 | 9405.9 | µg/L | 41.20 | 0.44% |
| AL 308 LOW | 93555.1 | 9233.9 | µg/L | 45.70 | 9233.9 | µg/L | 45.70 | 0.49% |
| AS 188 IEC | 241.9 | 919.12 | µg/L | 2.935 | 919.12 | µg/L | 2.935 | 0.32% |
| B 208 IEC | 1808.2 | 954.80 | µg/L | 1.525 | 954.80 | µg/L | 1.525 | 0.16% |
| BA 233 IEC | 32925.2 | 936.53 | µg/L | 4.052 | 936.53 | µg/L | 4.052 | 0.43% |
| BE 313 IEC | 2030677.3 | 899.62 | µg/L | 12.800 | 899.62 | µg/L | 12.800 | 1.42% |
| CA 317 IEC | 5250.4 | 9282.8 | µg/L | 70.76 | 9282.8 | µg/L | 70.76 | 0.76% |
| CD 226 IEC | 37466.5 | 929.98 | µg/L | 3.805 | 929.98 | µg/L | 3.805 | 0.41% |
| CO 228 IEC | 11167.7 | 917.22 | µg/L | 0.483 | 917.22 | µg/L | 0.483 | 0.05% |
| CR 267 IEC | 53515.7 | 929.45 | µg/L | 2.723 | 929.45 | µg/L | 2.723 | 0.29% |
| CU 324 IEC | 147973.3 | 927.01 | µg/L | 2.470 | 927.01 | µg/L | 2.470 | 0.27% |
| FE 238 IEC | 1488.0 | 9230.9 | µg/L | 75.27 | 9230.9 | µg/L | 75.27 | 0.82% |
| FE 238 LOW | 355416.5 | 9048.7 | µg/L | 123.42 | 9048.7 | µg/L | 123.42 | 1.36% |
| K 766 IEC | 21294.0 | 9762.8 | µg/L | 5.31 | 9762.8 | µg/L | 5.31 | 0.05% |
| LI 670 IEC | 25671.5 | 995.37 | µg/L | 1.188 | 995.37 | µg/L | 1.188 | 0.12% |
| MG 279 IEC | 1095.5 | 9343.5 | µg/L | 31.77 | 9343.5 | µg/L | 31.77 | 0.34% |
| MN 257 IEC | 237238.2 | 946.26 | µg/L | 2.628 | 946.26 | µg/L | 2.628 | 0.28% |
| MO 202 IEC | 3417.7 | 907.12 | µg/L | 1.036 | 907.12 | µg/L | 1.036 | 0.11% |
| NA 589 IEC | 31863.6 | 10309 | µg/L | 67.0 | 10309 | µg/L | 67.0 | 0.65% |
| NI 231 IEC | 9540.7 | 921.71 | µg/L | 0.481 | 921.71 | µg/L | 0.481 | 0.05% |
| PB 220 IEC | 2192.9 | 911.92 | µg/L | 0.650 | 911.92 | µg/L | 0.650 | 0.07% |
| SB 217 IEC | 1300.4 | 916.63 | µg/L | 1.530 | 916.63 | µg/L | 1.530 | 0.17% |
| SE 196 IEC | 389.3 | 948.85 | µg/L | 1.734 | 948.85 | µg/L | 1.734 | 0.18% |
| SN 189 IEC | 722.5 | 938.24 | µg/L | 3.492 | 938.24 | µg/L | 3.492 | 0.37% |
| SR 407 IEC | 73603.0 | 1035.4 | µg/L | 0.70 | 1035.4 | µg/L | 0.70 | 0.07% |
| TI 334 IEC | 405419.9 | 895.63 | µg/L | 12.372 | 895.63 | µg/L | 12.372 | 1.38% |
| TL 190 IEC | 232.0 | 901.98 | µg/L | 6.612 | 901.98 | µg/L | 6.612 | 0.73% |
| V 292 IEC | 97386.1 | 931.03 | µg/L | 5.539 | 931.03 | µg/L | 5.539 | 0.59% |
| ZN 206 IEC | 9190.6 | 922.49 | µg/L | 1.230 | 922.49 | µg/L | 1.230 | 0.13% |
| SI 251 IEC | 826.2 | 4620.7 | µg/L | 0.01 | 4620.7 | µg/L | 0.01 | 0.00% |

Sequence No.: 25
Sample ID: CCB2
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 12/21/2006 11:58:43 AM
Sample Prep Volume:
Data Type: Original

Mean Data: CCB2

| Analyte | Mean Corrected Intensity | Calib Conc. | Units | Std.Dev. | Sample Conc. | Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | 3.8 | 0.04 | µg/L | 0.547 | 0.04 | µg/L | 0.547 | >999.9% |
| AL 308 IEC | 1.3 | 14.28 | µg/L | 18.891 | 14.28 | µg/L | 18.891 | 132.32% |
| AL 308 LOW | 18.2 | 1.80 | µg/L | 3.185 | 1.80 | µg/L | 3.185 | 177.03% |
| AS 188 IEC | -1.8 | -6.89 | µg/L | 12.582 | -6.89 | µg/L | 12.582 | 182.53% |
| B 208 IEC | 47.2 | 24.92 | µg/L | 0.113 | 24.92 | µg/L | 0.113 | 0.45% |
| BA 233 IEC | 6.2 | 0.18 | µg/L | 0.051 | 0.18 | µg/L | 0.051 | 28.95% |
| BE 313 IEC | 670.8 | 0.30 | µg/L | 0.059 | 0.30 | µg/L | 0.059 | 19.69% |
| CA 317 IEC | 14.1 | 24.96 | µg/L | 0.373 | 24.96 | µg/L | 0.373 | 1.50% |
| CD 226 IEC | 18.1 | 0.45 | µg/L | 0.134 | 0.45 | µg/L | 0.134 | 29.82% |
| CO 228 IEC | 3.7 | 0.31 | µg/L | 0.290 | 0.31 | µg/L | 0.290 | 94.76% |
| CR 267 IEC | -29.7 | -0.52 | µg/L | 0.360 | -0.52 | µg/L | 0.360 | 69.73% |
| CU 324 IEC | 1036.0 | 6.49 | µg/L | 0.667 | 6.49 | µg/L | 0.667 | 10.28% |
| FE 238 IEC | 0.7 | 4.45 | µg/L | 2.660 | 4.45 | µg/L | 2.660 | 59.78% |
| FE 238 LOW | 64.7 | 1.65 | µg/L | 1.636 | 1.65 | µg/L | 1.636 | 99.29% |
| K 766 IEC | -50.9 | -23.32 | µg/L | 6.801 | -23.32 | µg/L | 6.801 | 29.16% |
| LI 670 IEC | 91.8 | 3.56 | µg/L | 1.232 | 3.56 | µg/L | 1.232 | 34.63% |
| MG 279 IEC | 3.3 | 27.79 | µg/L | 18.457 | 27.79 | µg/L | 18.457 | 66.43% |
| MN 257 IEC | 333.9 | 1.33 | µg/L | 0.021 | 1.33 | µg/L | 0.021 | 1.59% |
| MO 202 IEC | 3.0 | 0.81 | µg/L | 0.256 | 0.81 | µg/L | 0.256 | 31.79% |
| NA 589 IEC | 161.6 | 52.27 | µg/L | 30.410 | 52.27 | µg/L | 30.410 | 58.18% |
| NI 231 IEC | 7.5 | 0.73 | µg/L | 0.059 | 0.73 | µg/L | 0.059 | 8.07% |
| PB 220 IEC | 1.3 | 0.52 | µg/L | 1.389 | 0.52 | µg/L | 1.389 | 265.40% |
| SB 217 IEC | -4.4 | -3.09 | µg/L | 2.226 | -3.09 | µg/L | 2.226 | 72.07% |
| SE 196 IEC | 5.6 | 13.65 | µg/L | 1.420 | 13.65 | µg/L | 1.420 | 10.40% |
| SN 189 IEC | 2.5 | 3.20 | µg/L | 1.591 | 3.20 | µg/L | 1.591 | 49.75% |
| SR 407 IEC | 35.0 | 0.49 | µg/L | 0.029 | 0.49 | µg/L | 0.029 | 5.93% |
| TI 334 IEC | 105.9 | 0.23 | µg/L | 0.011 | 0.23 | µg/L | 0.011 | 4.60% |
| TL 190 IEC | -0.3 | -1.00 | µg/L | 1.455 | -1.00 | µg/L | 1.455 | 145.05% |
| V 292 IEC | 1.2 | 0.01 | µg/L | 0.186 | 0.01 | µg/L | 0.186 | >999.9% |
| ZN 206 IEC | 0.5 | 0.05 | µg/L | 0.139 | 0.05 | µg/L | 0.139 | 255.81% |
| SI 251 IEC | 0.3 | 1.41 | µg/L | 10.153 | 1.41 | µg/L | 10.153 | 718.09% |

Sequence No.: 26
Sample ID: 20488923/MSD3
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 19
Date Collected: 12/21/2006 12:03:30 PM
Sample Prep Volume:
Data Type: Original

Mean Data: 20488923/MSD3

| Analyte | Mean Corrected Intensity | Conc. | Calib Units | Std.Dev. | Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | 38411.0 | 413.83 | µg/L | 8.820 | 413.83 | µg/L | 8.820 | 2.13% |
| AL 308 IEC | 827.0 | 9136.1 | µg/L | 50.92 | 9136.1 | µg/L | 50.92 | 0.56% |
| AL 308 LOW | 90679.6 | 8950.1 | µg/L | 137.36 | 8950.1 | µg/L | 137.36 | 1.53% |
| AS 188 IEC | 245.6 | 936.58 | µg/L | 16.152 | 936.58 | µg/L | 16.152 | 1.72% |
| B 208 IEC | 1948.9 | 1029.1 | µg/L | 1.24 | 1029.1 | µg/L | 1.24 | 0.12% |
| BA 233 IEC | 39871.0 | 1134.1 | µg/L | 18.50 | 1134.1 | µg/L | 18.50 | 1.63% |
| BE 313 IEC | 1968037.0 | 871.87 | µg/L | 3.743 | 871.87 | µg/L | 3.743 | 0.43% |
| CA 317 IEC | 49069.1 | 86754 | µg/L | 1509.7 | 86754 | µg/L | 1509.7 | 1.74% |
| CD 226 IEC | 32695.6 | 811.53 | µg/L | 11.627 | 811.53 | µg/L | 11.627 | 1.43% |
| CO 228 IEC | 9797.0 | 804.64 | µg/L | 11.216 | 804.64 | µg/L | 11.216 | 1.39% |
| CR 267 IEC | 47437.6 | 823.88 | µg/L | 13.788 | 823.88 | µg/L | 13.788 | 1.67% |
| CU 324 IEC | 138568.0 | 868.09 | µg/L | 10.819 | 868.09 | µg/L | 10.819 | 1.25% |
| FE 238 IEC | 1410.3 | 8748.6 | µg/L | 37.77 | 8748.6 | µg/L | 37.77 | 0.43% |
| FE 238 LOW | 331120.3 | 8430.1 | µg/L | 37.47 | 8430.1 | µg/L | 37.47 | 0.44% |
| K 766 IEC | 33288.3 | 15262 | µg/L | 282.9 | 15262 | µg/L | 282.9 | 1.85% |
| LI 670 IEC | 22261.0 | 863.13 | µg/L | 17.433 | 863.13 | µg/L | 17.433 | 2.02% |
| MG 279 IEC | 4055.4 | 34590 | µg/L | 0.2 | 34590 | µg/L | 0.2 | 0.00% |
| MN 257 IEC | 1381808.2 | 5511.6 | µg/L | 10.78 | 5511.6 | µg/L | 10.78 | 0.20% |
| MO 202 IEC | 3350.5 | 889.28 | µg/L | 1.502 | 889.28 | µg/L | 1.502 | 0.17% |
| NA 589 IEC | 470993.3 | 152390 | µg/L | 2996.1 | 152390 | µg/L | 2996.1 | 1.97% |
| NI 231 IEC | 8547.1 | 825.72 | µg/L | 7.613 | 825.72 | µg/L | 7.613 | 0.92% |
| PB 220 IEC | 1937.0 | 805.54 | µg/L | 3.976 | 805.54 | µg/L | 3.976 | 0.49% |
| SB 217 IEC | 1203.2 | 850.28 | µg/L | 2.980 | 850.28 | µg/L | 2.980 | 0.35% |
| SE 196 IEC | 409.7 | 990.30 | µg/L | 13.640 | 990.30 | µg/L | 13.640 | 1.38% |
| SN 189 IEC | 666.0 | 864.85 | µg/L | 6.831 | 864.85 | µg/L | 6.831 | 0.79% |
| SR 407 IEC | 91093.6 | 1281.4 | µg/L | 28.94 | 1281.4 | µg/L | 28.94 | 2.26% |
| TI 334 IEC | 394493.5 | 871.50 | µg/L | 3.487 | 871.50 | µg/L | 3.487 | 0.40% |
| TL 190 IEC | 208.5 | 782.80 | µg/L | 17.023 | 782.80 | µg/L | 17.023 | 2.17% |
| V 292 IEC | 91466.3 | 874.43 | µg/L | 13.371 | 874.43 | µg/L | 13.371 | 1.53% |
| ZN 206 IEC | 8406.2 | 843.76 | µg/L | 0.663 | 843.76 | µg/L | 0.663 | 0.08% |
| SI 251 IEC | 2526.6 | 14125 | µg/L | 74.6 | 14125 | µg/L | 74.6 | 0.53% |

Sequence No.: 27
Sample ID: 20488919
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 20
Date Collected: 12/21/2006 12:08:31 PM

Sample Prep Volume:
Data Type: Original

Mean Data: 20488919

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | 142.4 | 3.34 | µg/L | 0.393 | 3.34 | µg/L | 0.393 | 11.77% |
| AL 308 IEC | 36.3 | 401.03 | µg/L | 44.769 | 401.03 | µg/L | 44.769 | 11.16% |
| AL 308 LOW | 4012.3 | 396.02 | µg/L | 6.421 | 396.02 | µg/L | 6.421 | 1.62% |
| AS 188 IEC | 7.5 | 34.69 | µg/L | 9.413 | 34.69 | µg/L | 9.413 | 27.13% |
| B 208 IEC | 269.3 | 142.22 | µg/L | 0.165 | 142.22 | µg/L | 0.165 | 0.12% |
| BA 233 IEC | 37906.8 | 1078.2 | µg/L | 14.36 | 1078.2 | µg/L | 14.36 | 1.33% |
| BE 313 IEC | 889.2 | 0.39 | µg/L | 0.055 | 0.39 | µg/L | 0.055 | 13.97% |
| CA 317 IEC | 78774.6 | 139270 | µg/L | 276.7 | 139270 | µg/L | 276.7 | 0.20% |
| CD 226 IEC | 50.9 | 1.26 | µg/L | 0.279 | 1.26 | µg/L | 0.279 | 22.04% |
| CO 228 IEC | 42.9 | 3.52 | µg/L | 0.603 | 3.52 | µg/L | 0.603 | 17.12% |
| CR 267 IEC | 52.6 | 0.91 | µg/L | 0.266 | 0.91 | µg/L | 0.266 | 29.13% |
| CU 324 IEC | 2374.1 | 14.87 | µg/L | 0.342 | 14.87 | µg/L | 0.342 | 2.30% |
| FE 238 IEC | 2.6 | 16.05 | µg/L | 2.630 | 16.05 | µg/L | 2.630 | 16.38% |
| FE 238 LOW | 795.7 | 20.26 | µg/L | 0.591 | 20.26 | µg/L | 0.591 | 2.92% |
| K 766 IEC | 30993.2 | 14210 | µg/L | 62.2 | 14210 | µg/L | 62.2 | 0.44% |
| LI 670 IEC | 636.4 | 24.67 | µg/L | 0.112 | 24.67 | µg/L | 0.112 | 0.45% |
| MG 279 IEC | 4591.9 | 39165 | µg/L | 595.5 | 39165 | µg/L | 595.5 | 1.52% |
| MN 257 IEC | 1755369.8 | 7001.6 | µg/L | 63.73 | 7001.6 | µg/L | 63.73 | 0.91% |
| MO 202 IEC | 78.2 | 20.75 | µg/L | 0.535 | 20.75 | µg/L | 0.535 | 2.58% |
| NA 589 IEC | 2732291.7 | 884010 | µg/L | 6101.0 | 884010 | µg/L | 6101.0 | 0.69% |
| NI 231 IEC | 42.1 | 4.06 | µg/L | 0.281 | 4.06 | µg/L | 0.281 | 6.92% |
| PB 220 IEC | 0.3 | 0.16 | µg/L | 1.265 | 0.16 | µg/L | 1.265 | 773.65% |
| SB 217 IEC | -14.6 | -6.38 | µg/L | 1.249 | -6.38 | µg/L | 1.249 | 19.58% |
| SE 196 IEC | 32.3 | 63.99 | µg/L | 20.664 | 63.99 | µg/L | 20.664 | 32.29% |
| SN 189 IEC | -40.5 | -52.64 | µg/L | 5.442 | -52.64 | µg/L | 5.442 | 10.34% |
| SR 407 IEC | 66882.6 | 940.82 | µg/L | 5.565 | 940.82 | µg/L | 5.565 | 0.59% |
| TI 334 IEC | -233.6 | -0.52 | µg/L | 0.134 | -0.52 | µg/L | 0.134 | 26.05% |
| TL 190 IEC | 1.0 | -45.79 | µg/L | 15.242 | -45.79 | µg/L | 15.242 | 33.29% |
| V 292 IEC | 105.7 | 1.01 | µg/L | 0.290 | 1.01 | µg/L | 0.290 | 28.72% |
| ZN 206 IEC | 50.6 | 5.08 | µg/L | 0.363 | 5.08 | µg/L | 0.363 | 7.16% |
| SI 251 IEC | 1831.0 | 9998.0 | µg/L | 13.64 | 9998.0 | µg/L | 13.64 | 0.14% |

Sequence No.: 28
Sample ID: 20488923
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 21
Date Collected: 12/21/2006 12:13:35 PM

Sample Prep Volume:
Data Type: Original

Mean Data: 20488923

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Calib Std.Dev. | Sample Conc. | Sample Units | Sample Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | 98.4 | 2.41 | µg/L | 0.290 | 2.41 | µg/L | 0.290 | 12.03% |
| AL 308 IEC | 13.0 | 144.02 | µg/L | 11.483 | 144.02 | µg/L | 11.483 | 7.97% |
| AL 308 LOW | 1109.3 | 109.49 | µg/L | 0.926 | 109.49 | µg/L | 0.926 | 0.85% |
| AS 188 IEC | 25.6 | 101.54 | µg/L | 0.463 | 101.54 | µg/L | 0.463 | 0.46% |
| B 208 IEC | 293.9 | 155.21 | µg/L | 0.400 | 155.21 | µg/L | 0.400 | 0.26% |
| BA 233 IEC | 12775.0 | 363.37 | µg/L | 3.824 | 363.37 | µg/L | 3.824 | 1.05% |
| BE 313 IEC | 84.9 | 0.04 | µg/L | 0.072 | 0.04 | µg/L | 0.072 | 191.89% |
| CA 317 IEC | 58799.2 | 103960 | µg/L | 2053.1 | 103960 | µg/L | 2053.1 | 1.97% |
| CD 226 IEC | 26.2 | 0.64 | µg/L | 0.038 | 0.64 | µg/L | 0.038 | 5.88% |
| CO 228 IEC | 22.4 | 1.84 | µg/L | 0.379 | 1.84 | µg/L | 0.379 | 20.60% |
| CR 267 IEC | -0.8 | -0.01 | µg/L | 0.193 | -0.01 | µg/L | 0.193 | >999.9% |
| CU 324 IEC | 686.0 | 4.30 | µg/L | 0.290 | 4.30 | µg/L | 0.290 | 6.75% |
| FE 238 IEC | 19.3 | 119.67 | µg/L | 2.088 | 119.67 | µg/L | 2.088 | 1.74% |
| FE 238 LOW | 4534.6 | 115.45 | µg/L | 3.542 | 115.45 | µg/L | 3.542 | 3.07% |
| K 766 IEC | 14044.0 | 6438.8 | µg/L | 54.33 | 6438.8 | µg/L | 54.33 | 0.84% |
| LI 670 IEC | 203.6 | 7.89 | µg/L | 2.235 | 7.89 | µg/L | 2.235 | 28.31% |
| MG 279 IEC | 4370.7 | 37279 | µg/L | 236.8 | 37279 | µg/L | 236.8 | 0.64% |
| MN 257 IEC | 1318814.8 | 5260.3 | µg/L | 76.21 | 5260.3 | µg/L | 76.21 | 1.45% |
| MO 202 IEC | 92.8 | 24.63 | µg/L | 1.343 | 24.63 | µg/L | 1.343 | 5.45% |
| NA 589 IEC | 251627.0 | 81412 | µg/L | 2144.4 | 81412 | µg/L | 2144.4 | 2.63% |
| NI 231 IEC | 17.0 | 1.64 | µg/L | 0.043 | 1.64 | µg/L | 0.043 | 2.62% |
| PB 220 IEC | -2.5 | -1.03 | µg/L | 0.490 | -1.03 | µg/L | 0.490 | 47.58% |
| SB 217 IEC | -20.0 | -11.18 | µg/L | 1.165 | -11.18 | µg/L | 1.165 | 10.42% |
| SE 196 IEC | 30.2 | 62.67 | µg/L | 19.485 | 62.67 | µg/L | 19.485 | 31.09% |
| SN 189 IEC | -41.1 | -53.31 | µg/L | 3.139 | -53.31 | µg/L | 3.139 | 5.89% |
| SR 407 IEC | 41967.2 | 590.34 | µg/L | 12.102 | 590.34 | µg/L | 12.102 | 2.05% |
| TI 334 IEC | -334.9 | -0.74 | µg/L | 0.059 | -0.74 | µg/L | 0.059 | 7.97% |
| TL 190 IEC | 3.1 | -24.80 | µg/L | 10.314 | -24.80 | µg/L | 10.314 | 41.59% |
| V 292 IEC | -33.4 | -0.32 | µg/L | 0.356 | -0.32 | µg/L | 0.356 | 111.46% |
| ZN 206 IEC | 7.8 | 0.79 | µg/L | 0.032 | 0.79 | µg/L | 0.032 | 4.06% |
| SI 251 IEC | 2239.7 | 12490 | µg/L | 49.7 | 12490 | µg/L | 49.7 | 0.40% |

12/21/2006 12:20:15 PM Hg ReAlign... Actual peak offset (nm): -0.002
Drift (nm): -0.000 Slit adjustment: -2

Sequence No.: 30
Sample ID: 20488924
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 22
Date Collected: 12/21/2006 12:20:17 PM

Sample Prep Volume:
Data Type: Original

Mean Data: 20488924

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | 4.0 | 1.39 | µg/L | 1.119 | 1.39 | µg/L | 1.119 | 80.32% |
| AL 308 IEC | 8.9 | 97.96 | µg/L | 26.044 | 97.96 | µg/L | 26.044 | 26.59% |
| AL 308 LOW | 941.3 | 92.91 | µg/L | 4.162 | 92.91 | µg/L | 4.162 | 4.48% |
| AS 188 IEC | 28.5 | 112.75 | µg/L | 3.699 | 112.75 | µg/L | 3.699 | 3.28% |
| B 208 IEC | 295.5 | 156.05 | µg/L | 2.186 | 156.05 | µg/L | 2.186 | 1.40% |
| BA 233 IEC | 11823.8 | 336.32 | µg/L | 0.084 | 336.32 | µg/L | 0.084 | 0.03% |
| BE 313 IEC | 130.6 | 0.06 | µg/L | 0.037 | 0.06 | µg/L | 0.037 | 63.60% |
| CA 317 IEC | 58780.3 | 103920 | µg/L | 607.4 | 103920 | µg/L | 607.4 | 0.58% |
| CD 226 IEC | 24.4 | 0.60 | µg/L | 0.091 | 0.60 | µg/L | 0.091 | 15.15% |
| CO 228 IEC | 23.5 | 1.93 | µg/L | 0.548 | 1.93 | µg/L | 0.548 | 28.45% |
| CR 267 IEC | -19.2 | -0.33 | µg/L | 0.026 | -0.33 | µg/L | 0.026 | 7.94% |
| CU 324 IEC | 346.3 | 2.17 | µg/L | 0.170 | 2.17 | µg/L | 0.170 | 7.83% |
| FE 238 IEC | 16.2 | 100.60 | µg/L | 8.360 | 100.60 | µg/L | 8.360 | 8.31% |
| FE 238 LOW | 4052.8 | 103.18 | µg/L | 0.139 | 103.18 | µg/L | 0.139 | 0.13% |
| K 766 IEC | 13595.8 | 6233.4 | µg/L | 56.42 | 6233.4 | µg/L | 56.42 | 0.91% |
| LI 670 IEC | 211.6 | 8.21 | µg/L | 0.909 | 8.21 | µg/L | 0.909 | 11.07% |
| MG 279 IEC | 4475.8 | 38176 | µg/L | 126.0 | 38176 | µg/L | 126.0 | 0.33% |
| MN 257 IEC | 1359436.4 | 5422.3 | µg/L | 27.98 | 5422.3 | µg/L | 27.98 | 0.52% |
| MO 202 IEC | 92.4 | 24.52 | µg/L | 0.562 | 24.52 | µg/L | 0.562 | 2.29% |
| NA 589 IEC | 255750.7 | 82746 | µg/L | 101.9 | 82746 | µg/L | 101.9 | 0.12% |
| NI 231 IEC | 8.5 | 0.82 | µg/L | 0.648 | 0.82 | µg/L | 0.648 | 79.20% |
| PB 220 IEC | -3.0 | -1.26 | µg/L | 0.896 | -1.26 | µg/L | 0.896 | 71.19% |
| SB 217 IEC | -12.2 | -5.66 | µg/L | 3.224 | -5.66 | µg/L | 3.224 | 57.00% |
| SE 196 IEC | 28.2 | 57.79 | µg/L | 10.534 | 57.79 | µg/L | 10.534 | 18.23% |
| SN 189 IEC | -43.5 | -56.53 | µg/L | 1.024 | -56.53 | µg/L | 1.024 | 1.81% |
| SR 407 IEC | 42321.2 | 595.32 | µg/L | 8.128 | 595.32 | µg/L | 8.128 | 1.37% |
| TI 334 IEC | -293.6 | -0.65 | µg/L | 0.214 | -0.65 | µg/L | 0.214 | 33.05% |
| TL 190 IEC | 2.9 | -25.81 | µg/L | 4.053 | -25.81 | µg/L | 4.053 | 15.70% |
| V 292 IEC | -23.3 | -0.22 | µg/L | 0.090 | -0.22 | µg/L | 0.090 | 40.17% |
| ZN 206 IEC | 9.6 | 0.97 | µg/L | 0.034 | 0.97 | µg/L | 0.034 | 3.52% |
| SI 251 IEC | 2234.6 | 12457 | µg/L | 25.4 | 12457 | µg/L | 25.4 | 0.20% |

Sequence No.: 31
Sample ID: 20489231
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 23
Date Collected: 12/21/2006 12:25:19 PM

Sample Prep Volume:
Data Type: Original

Mean Data: 20489231

| Analyte | Mean Corrected Intensity | Conc. | Calib Units | Std.Dev. | Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | -216.5 | 1.49 | µg/L | 0.250 | 1.49 | µg/L | 0.250 | 16.74% |
| AL 308 IEC | 28.2 | 311.73 | µg/L | 6.029 | 311.73 | µg/L | 6.029 | 1.93% |
| AL 308 LOW | 3171.9 | 313.06 | µg/L | 11.924 | 313.06 | µg/L | 11.924 | 3.81% |
| AS 188 IEC | 6.8 | 12.34 | µg/L | 13.585 | 12.34 | µg/L | 13.585 | 110.07% |
| B 208 IEC | 2707.3 | 1429.6 | µg/L | 21.54 | 1429.6 | µg/L | 21.54 | 1.51% |
| BA 233 IEC | 4968.5 | 141.33 | µg/L | 1.054 | 141.33 | µg/L | 1.054 | 0.75% |
| BE 313 IEC | 146.3 | 0.06 | µg/L | 0.062 | 0.06 | µg/L | 0.062 | 95.89% |
| CA 317 IEC | 166280.3 | 293980 | µg/L | 4383.9 | 293980 | µg/L | 4383.9 | 1.49% |
| CD 226 IEC | 21.4 | 0.53 | µg/L | 0.011 | 0.53 | µg/L | 0.011 | 2.18% |
| CO 228 IEC | 26.4 | 2.17 | µg/L | 0.030 | 2.17 | µg/L | 0.030 | 1.39% |
| CR 267 IEC | -1.4 | -0.02 | µg/L | 0.474 | -0.02 | µg/L | 0.474 | >999.9% |
| CU 324 IEC | 86.9 | 0.54 | µg/L | 0.371 | 0.54 | µg/L | 0.371 | 68.19% |
| FE 238 IEC | 19.6 | 121.63 | µg/L | 0.384 | 121.63 | µg/L | 0.384 | 0.32% |
| FE 238 LOW | 4457.5 | 113.48 | µg/L | 2.726 | 113.48 | µg/L | 2.726 | 2.40% |
| K 766 IEC | 627037.7 | 287480 | µg/L | 2853.8 | 287480 | µg/L | 2853.8 | 0.99% |
| LI 670 IEC | 5460.5 | 211.72 | µg/L | 11.788 | 211.72 | µg/L | 11.788 | 5.57% |
| MG 279 IEC | 93689.8 | 799110 | µg/L | 7651.9 | 799110 | µg/L | 7651.9 | 0.96% |
| MN 257 IEC | 7065.8 | 28.18 | µg/L | 0.245 | 28.18 | µg/L | 0.245 | 0.87% |
| MO 202 IEC | -4.1 | -1.09 | µg/L | 2.520 | -1.09 | µg/L | 2.520 | 230.48% |
| NA 589 IEC | Saturated2 | | | | | | | |
| Saturated in preshot (code 2) | | | | | | | | |
| NI 231 IEC | 23.2 | 2.24 | µg/L | 0.077 | 2.24 | µg/L | 0.077 | 3.44% |
| PB 220 IEC | -15.6 | -6.46 | µg/L | 1.097 | -6.46 | µg/L | 1.097 | 16.97% |
| SB 217 IEC | -20.4 | -6.19 | µg/L | 0.779 | -6.19 | µg/L | 0.779 | 12.58% |
| SE 196 IEC | 23.0 | 25.42 | µg/L | 9.590 | 25.42 | µg/L | 9.590 | 37.72% |
| SN 189 IEC | -103.2 | -134.00 | µg/L | 4.415 | -134.00 | µg/L | 4.415 | 3.30% |
| SR 407 IEC | 373993.0 | 5260.9 | µg/L | 85.20 | 5260.9 | µg/L | 85.20 | 1.62% |
| TI 334 IEC | -768.0 | -1.70 | µg/L | 0.144 | -1.70 | µg/L | 0.144 | 8.51% |
| TL 190 IEC | 17.6 | -36.25 | µg/L | 0.963 | -36.25 | µg/L | 0.963 | 2.66% |
| V 292 IEC | 115.8 | 1.11 | µg/L | 0.008 | 1.11 | µg/L | 0.008 | 0.74% |
| ZN 206 IEC | 7.8 | 0.78 | µg/L | 0.312 | 0.78 | µg/L | 0.312 | 39.70% |
| SI 251 IEC | 154.6 | -3185.2 | µg/L | 58.18 | -3185.2 | µg/L | 58.18 | 1.83% |

Sequence No.: 32
Sample ID: CCV3
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 12/21/2006 12:30:18 PM
Sample Prep Volume:
Data Type: Original

Mean Data: CCV3

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | 45059.5 | 484.27 | µg/L | 0.412 | 484.27 | µg/L | 0.412 | 0.09% |
| AL 308 IEC | 901.3 | 9956.7 | µg/L | 67.93 | 9956.7 | µg/L | 67.93 | 0.68% |
| AL 308 LOW | 98725.5 | 9744.3 | µg/L | 90.61 | 9744.3 | µg/L | 90.61 | 0.93% |
| AS 188 IEC | 258.7 | 983.05 | µg/L | 14.392 | 983.05 | µg/L | 14.392 | 1.46% |
| B 208 IEC | 1937.3 | 1023.0 | µg/L | 4.54 | 1023.0 | µg/L | 4.54 | 0.44% |
| BA 233 IEC | 34604.1 | 984.28 | µg/L | 9.451 | 984.28 | µg/L | 9.451 | 0.96% |
| BE 313 IEC | 2194938.2 | 972.40 | µg/L | 15.740 | 972.40 | µg/L | 15.740 | 1.62% |
| CA 317 IEC | 5654.0 | 9996.2 | µg/L | 3.60 | 9996.2 | µg/L | 3.60 | 0.04% |
| CD 226 IEC | 39578.1 | 982.39 | µg/L | 7.093 | 982.39 | µg/L | 7.093 | 0.72% |
| CO 228 IEC | 11920.5 | 979.04 | µg/L | 2.796 | 979.04 | µg/L | 2.796 | 0.29% |
| CR 267 IEC | 56380.6 | 979.20 | µg/L | 6.642 | 979.20 | µg/L | 6.642 | 0.68% |
| CU 324 IEC | 155480.4 | 974.04 | µg/L | 3.246 | 974.04 | µg/L | 3.246 | 0.33% |
| FE 238 IEC | 1591.5 | 9872.6 | µg/L | 59.80 | 9872.6 | µg/L | 59.80 | 0.61% |
| FE 238 LOW | 384246.7 | 9782.7 | µg/L | 145.57 | 9782.7 | µg/L | 145.57 | 1.49% |
| K 766 IEC | 21303.0 | 9767.0 | µg/L | 30.40 | 9767.0 | µg/L | 30.40 | 0.31% |
| LI 670 IEC | 25411.4 | 985.28 | µg/L | 14.512 | 985.28 | µg/L | 14.512 | 1.47% |
| MG 279 IEC | 1188.3 | 10136 | µg/L | 19.6 | 10136 | µg/L | 19.6 | 0.19% |
| MN 257 IEC | 250022.2 | 997.25 | µg/L | 7.377 | 997.25 | µg/L | 7.377 | 0.74% |
| MO 202 IEC | 3653.7 | 969.77 | µg/L | 6.941 | 969.77 | µg/L | 6.941 | 0.72% |
| NA 589 IEC | 42093.3 | 13619 | µg/L | 140.2 | 13619 | µg/L | 140.2 | 1.03% |
| NI 231 IEC | 10152.6 | 980.82 | µg/L | 4.235 | 980.82 | µg/L | 4.235 | 0.43% |
| PB 220 IEC | 2343.6 | 974.58 | µg/L | 3.054 | 974.58 | µg/L | 3.054 | 0.31% |
| SB 217 IEC | 1390.1 | 979.86 | µg/L | 0.659 | 979.86 | µg/L | 0.659 | 0.07% |
| SE 196 IEC | 404.3 | 985.41 | µg/L | 28.522 | 985.41 | µg/L | 28.522 | 2.89% |
| SN 189 IEC | 755.8 | 981.44 | µg/L | 3.169 | 981.44 | µg/L | 3.169 | 0.32% |
| SR 407 IEC | 71425.4 | 1004.7 | µg/L | 24.51 | 1004.7 | µg/L | 24.51 | 2.44% |
| TI 334 IEC | 436678.8 | 964.69 | µg/L | 15.348 | 964.69 | µg/L | 15.348 | 1.59% |
| TL 190 IEC | 246.9 | 959.69 | µg/L | 1.828 | 959.69 | µg/L | 1.828 | 0.19% |
| V 292 IEC | 102387.2 | 978.84 | µg/L | 9.018 | 978.84 | µg/L | 9.018 | 0.92% |
| ZN 206 IEC | 9804.6 | 984.12 | µg/L | 4.940 | 984.12 | µg/L | 4.940 | 0.50% |
| SI 251 IEC | 881.8 | 4930.5 | µg/L | 13.21 | 4930.5 | µg/L | 13.21 | 0.27% |

Sequence No.: 33
Sample ID: CCB3
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 12/21/2006 12:35:18 PM

Sample Prep Volume:
Data Type: Original

Mean Data: CCB3

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | -1.1 | -0.01 | µg/L | 1.043 | -0.01 | µg/L | 1.043 | >999.9% |
| AL 308 IEC | 3.3 | 36.08 | µg/L | 8.124 | 36.08 | µg/L | 8.124 | 22.52% |
| AL 308 LOW | 74.5 | 7.35 | µg/L | 6.152 | 7.35 | µg/L | 6.152 | 83.71% |
| AS 188 IEC | 0.8 | 3.11 | µg/L | 0.863 | 3.11 | µg/L | 0.863 | 27.77% |
| B 208 IEC | 44.1 | 23.26 | µg/L | 1.908 | 23.26 | µg/L | 1.908 | 8.20% |
| BA 233 IEC | 10.8 | 0.31 | µg/L | 0.090 | 0.31 | µg/L | 0.090 | 29.39% |
| BE 313 IEC | 180.9 | 0.08 | µg/L | 0.029 | 0.08 | µg/L | 0.029 | 36.37% |
| CA 317 IEC | 38.0 | 67.22 | µg/L | 3.614 | 67.22 | µg/L | 3.614 | 5.38% |
| CD 226 IEC | 11.1 | 0.28 | µg/L | 0.020 | 0.28 | µg/L | 0.020 | 7.15% |
| CO 228 IEC | 7.9 | 0.65 | µg/L | 0.062 | 0.65 | µg/L | 0.062 | 9.61% |
| CR 267 IEC | -42.1 | -0.73 | µg/L | 0.611 | -0.73 | µg/L | 0.611 | 83.56% |
| CU 324 IEC | 717.2 | 4.49 | µg/L | 0.112 | 4.49 | µg/L | 0.112 | 2.49% |
| FE 238 IEC | -0.9 | -5.85 | µg/L | 5.633 | -5.85 | µg/L | 5.633 | 96.30% |
| FE 238 LOW | -61.0 | -1.55 | µg/L | 0.028 | -1.55 | µg/L | 0.028 | 1.80% |
| K 766 IEC | 167.9 | 76.97 | µg/L | 42.081 | 76.97 | µg/L | 42.081 | 54.67% |
| LI 670 IEC | 62.1 | 2.41 | µg/L | 3.104 | 2.41 | µg/L | 3.104 | 128.97% |
| MG 279 IEC | 23.7 | 202.27 | µg/L | 7.210 | 202.27 | µg/L | 7.210 | 3.56% |
| MN 257 IEC | 281.2 | 1.12 | µg/L | 0.198 | 1.12 | µg/L | 0.198 | 17.67% |
| MO 202 IEC | 1.7 | 0.45 | µg/L | 0.391 | 0.45 | µg/L | 0.391 | 86.42% |
| NA 589 IEC | 6997.6 | 2264.0 | µg/L | 196.35 | 2264.0 | µg/L | 196.35 | 8.67% |
| NI 231 IEC | 0.9 | 0.08 | µg/L | 0.265 | 0.08 | µg/L | 0.265 | 319.24% |
| PB 220 IEC | -2.0 | -0.83 | µg/L | 0.386 | -0.83 | µg/L | 0.386 | 46.61% |
| SB 217 IEC | -2.9 | -2.05 | µg/L | 1.222 | -2.05 | µg/L | 1.222 | 59.54% |
| SE 196 IEC | 3.5 | 8.42 | µg/L | 1.805 | 8.42 | µg/L | 1.805 | 21.43% |
| SN 189 IEC | 0.0 | 0.05 | µg/L | 2.201 | 0.05 | µg/L | 2.201 | >999.9% |
| SR 407 IEC | 80.7 | 1.13 | µg/L | 0.061 | 1.13 | µg/L | 0.061 | 5.40% |
| TI 334 IEC | 121.3 | 0.27 | µg/L | 0.154 | 0.27 | µg/L | 0.154 | 57.57% |
| TL 190 IEC | -1.9 | -7.28 | µg/L | 1.311 | -7.28 | µg/L | 1.311 | 18.01% |
| V 292 IEC | 29.4 | 0.28 | µg/L | 0.150 | 0.28 | µg/L | 0.150 | 53.43% |
| ZN 206 IEC | 0.1 | 0.01 | µg/L | 0.054 | 0.01 | µg/L | 0.054 | 366.43% |
| SI 251 IEC | -2.0 | -12.67 | µg/L | 12.217 | -12.67 | µg/L | 12.217 | 96.39% |

Sequence No.: 34
Sample ID: 20491420/80238B
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 24
Date Collected: 12/21/2006 12:40:06 PM
Sample Prep Volume:
Data Type: Original

Mean Data: 20491420/80238B

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Calib Std.Dev. | Sample Conc. | Sample Units | Sample Std.Dev. | Sample RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | -51.5 | -0.55 | µg/L | 0.506 | -0.55 | µg/L | 0.506 | 91.58% |
| AL 308 IEC | 3.0 | 32.92 | µg/L | 30.903 | 32.92 | µg/L | 30.903 | 93.86% |
| AL 308 LOW | 129.4 | 12.77 | µg/L | 0.802 | 12.77 | µg/L | 0.802 | 6.28% |
| AS 188 IEC | 1.4 | 5.29 | µg/L | 0.563 | 5.29 | µg/L | 0.563 | 10.65% |
| B 208 IEC | 22.3 | 11.78 | µg/L | 1.013 | 11.78 | µg/L | 1.013 | 8.60% |
| BA 233 IEC | 7.1 | 0.20 | µg/L | 0.102 | 0.20 | µg/L | 0.102 | 50.34% |
| BE 313 IEC | -242.9 | -0.11 | µg/L | 0.028 | -0.11 | µg/L | 0.028 | 25.85% |
| CA 317 IEC | 23.2 | 41.05 | µg/L | 3.194 | 41.05 | µg/L | 3.194 | 7.78% |
| CD 226 IEC | 5.4 | 0.13 | µg/L | 0.070 | 0.13 | µg/L | 0.070 | 51.58% |
| CO 228 IEC | 3.9 | 0.32 | µg/L | 0.324 | 0.32 | µg/L | 0.324 | 102.37% |
| CR 267 IEC | -48.9 | -0.85 | µg/L | 0.300 | -0.85 | µg/L | 0.300 | 35.25% |
| CU 324 IEC | 340.5 | 2.13 | µg/L | 0.677 | 2.13 | µg/L | 0.677 | 31.72% |
| FE 238 IEC | -1.1 | -6.95 | µg/L | 6.561 | -6.95 | µg/L | 6.561 | 94.42% |
| FE 238 LOW | -27.2 | -0.69 | µg/L | 0.267 | -0.69 | µg/L | 0.267 | 38.55% |
| K 766 IEC | -64.7 | -29.67 | µg/L | 0.036 | -29.67 | µg/L | 0.036 | 0.12% |
| LI 670 IEC | 64.7 | 2.51 | µg/L | 0.934 | 2.51 | µg/L | 0.934 | 37.19% |
| MG 279 IEC | 7.9 | 67.22 | µg/L | 22.823 | 67.22 | µg/L | 22.823 | 33.95% |
| MN 257 IEC | 332.8 | 1.33 | µg/L | 0.016 | 1.33 | µg/L | 0.016 | 1.18% |
| MO 202 IEC | 0.2 | 0.05 | µg/L | 0.051 | 0.05 | µg/L | 0.051 | 97.81% |
| NA 589 IEC | 3239.4 | 1048.1 | µg/L | 17.08 | 1048.1 | µg/L | 17.08 | 1.63% |
| NI 231 IEC | 2.8 | 0.27 | µg/L | 0.351 | 0.27 | µg/L | 0.351 | 130.89% |
| PB 220 IEC | -1.6 | -0.65 | µg/L | 0.730 | -0.65 | µg/L | 0.730 | 112.15% |
| SB 217 IEC | -1.9 | -1.32 | µg/L | 0.493 | -1.32 | µg/L | 0.493 | 37.35% |
| SE 196 IEC | 5.0 | 12.16 | µg/L | 7.323 | 12.16 | µg/L | 7.323 | 60.24% |
| SN 189 IEC | -0.6 | -0.75 | µg/L | 0.838 | -0.75 | µg/L | 0.838 | 111.57% |
| SR 407 IEC | 21.7 | 0.31 | µg/L | 0.220 | 0.31 | µg/L | 0.220 | 71.94% |
| TI 334 IEC | 1.9 | 0.00 | µg/L | 0.074 | 0.00 | µg/L | 0.074 | >999.9% |
| TL 190 IEC | 0.8 | 3.07 | µg/L | 0.573 | 3.07 | µg/L | 0.573 | 18.65% |
| V 292 IEC | -28.9 | -0.28 | µg/L | 0.169 | -0.28 | µg/L | 0.169 | 61.30% |
| ZN 206 IEC | 22.7 | 2.28 | µg/L | 0.302 | 2.28 | µg/L | 0.302 | 13.27% |
| SI 251 IEC | -6.3 | -37.20 | µg/L | 18.520 | -37.20 | µg/L | 18.520 | 49.78% |

Sequence No.: 35
Sample ID: 20491421/LCS
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 25
Date Collected: 12/21/2006 12:44:52 PM
Sample Prep Volume:
Data Type: Original

Mean Data: 20491421/LCS

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | 44675.8 | 480.15 | µg/L | 2.657 | 480.15 | µg/L | 2.657 | 0.55% |
| AL 308 IEC | 922.1 | 10187 | µg/L | 72.4 | 10187 | µg/L | 72.4 | 0.71% |
| AL 308 LOW | 103514.0 | 10217 | µg/L | 70.5 | 10217 | µg/L | 70.5 | 0.69% |
| AS 188 IEC | 261.8 | 994.76 | µg/L | 27.658 | 994.76 | µg/L | 27.658 | 2.78% |
| B 208 IEC | 1656.8 | 874.88 | µg/L | 1.389 | 874.88 | µg/L | 1.389 | 0.16% |
| BA 233 IEC | 35861.4 | 1020.0 | µg/L | 3.56 | 1020.0 | µg/L | 3.56 | 0.35% |
| BE 313 IEC | 2215418.3 | 981.47 | µg/L | 17.856 | 981.47 | µg/L | 17.856 | 1.82% |
| CA 317 IEC | 5666.7 | 10019 | µg/L | 65.7 | 10019 | µg/L | 65.7 | 0.66% |
| CD 226 IEC | 39746.2 | 986.56 | µg/L | 5.600 | 986.56 | µg/L | 5.600 | 0.57% |
| CO 228 IEC | 11956.2 | 981.98 | µg/L | 2.285 | 981.98 | µg/L | 2.285 | 0.23% |
| CR 267 IEC | 55978.3 | 972.22 | µg/L | 3.624 | 972.22 | µg/L | 3.624 | 0.37% |
| CU 324 IEC | 159071.3 | 996.54 | µg/L | 6.224 | 996.54 | µg/L | 6.224 | 0.62% |
| FE 238 IEC | 1615.6 | 10022 | µg/L | 39.9 | 10022 | µg/L | 39.9 | 0.40% |
| FE 238 LOW | 383463.9 | 9762.7 | µg/L | 179.25 | 9762.7 | µg/L | 179.25 | 1.84% |
| K 766 IEC | 22161.6 | 10161 | µg/L | 67.6 | 10161 | µg/L | 67.6 | 0.66% |
| LI 670 IEC | 25361.3 | 983.34 | µg/L | 3.269 | 983.34 | µg/L | 3.269 | 0.33% |
| MG 279 IEC | 1148.0 | 9791.5 | µg/L | 37.31 | 9791.5 | µg/L | 37.31 | 0.38% |
| MN 257 IEC | 251796.7 | 1004.3 | µg/L | 4.96 | 1004.3 | µg/L | 4.96 | 0.49% |
| MO 202 IEC | 3797.5 | 1007.9 | µg/L | 2.05 | 1007.9 | µg/L | 2.05 | 0.20% |
| NA 589 IEC | 34502.6 | 11163 | µg/L | 5.9 | 11163 | µg/L | 5.9 | 0.05% |
| NI 231 IEC | 10407.9 | 1005.5 | µg/L | 5.38 | 1005.5 | µg/L | 5.38 | 0.54% |
| PB 220 IEC | 2379.5 | 989.50 | µg/L | 4.797 | 989.50 | µg/L | 4.797 | 0.48% |
| SB 217 IEC | 1419.7 | 1000.7 | µg/L | 3.08 | 1000.7 | µg/L | 3.08 | 0.31% |
| SE 196 IEC | 424.7 | 1035.1 | µg/L | 10.49 | 1035.1 | µg/L | 10.49 | 1.01% |
| SN 189 IEC | 810.5 | 1052.6 | µg/L | 3.73 | 1052.6 | µg/L | 3.73 | 0.35% |
| SR 407 IEC | 77963.7 | 1096.7 | µg/L | 5.02 | 1096.7 | µg/L | 5.02 | 0.46% |
| TI 334 IEC | 445339.5 | 983.82 | µg/L | 18.037 | 983.82 | µg/L | 18.037 | 1.83% |
| TL 190 IEC | 251.4 | 977.23 | µg/L | 0.299 | 977.23 | µg/L | 0.299 | 0.03% |
| V 292 IEC | 105967.6 | 1013.1 | µg/L | 3.80 | 1013.1 | µg/L | 3.80 | 0.38% |
| ZN 206 IEC | 10030.5 | 1006.8 | µg/L | 3.02 | 1006.8 | µg/L | 3.02 | 0.30% |
| SI 251 IEC | 713.9 | 3956.8 | µg/L | 4.65 | 3956.8 | µg/L | 4.65 | 0.12% |

Sequence No.: 36
Sample ID: 20488920/OQS
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 26
Date Collected: 12/21/2006 12:49:45 PM

Sample Prep Volume:
Data Type: Original

Mean Data: 20488920/OQS

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | -5.6 | 2.44 | µg/L | 0.184 | 2.44 | µg/L | 0.184 | 7.54% |
| AL 308 IEC | 1269.9 | 14030 | µg/L | 63.5 | 14030 | µg/L | 63.5 | 0.45% |
| AL 308 LOW | 142800.7 | 14095 | µg/L | 59.9 | 14095 | µg/L | 59.9 | 0.42% |
| AS 188 IEC | 89.8 | 349.84 | µg/L | 9.164 | 349.84 | µg/L | 9.164 | 2.62% |
| B 208 IEC | 437.2 | 230.84 | µg/L | 1.341 | 230.84 | µg/L | 1.341 | 0.58% |
| BA 233 IEC | 43674.7 | 1242.3 | µg/L | 6.17 | 1242.3 | µg/L | 6.17 | 0.50% |
| BE 313 IEC | 4269.9 | 1.89 | µg/L | 0.137 | 1.89 | µg/L | 0.137 | 7.24% |
| CA 317 IEC | 108882.5 | 192500 | µg/L | 4466.3 | 192500 | µg/L | 4466.3 | 2.32% |
| CD 226 IEC | 171.9 | 2.53 | µg/L | 0.205 | 2.53 | µg/L | 0.205 | 8.11% |
| CO 228 IEC | 266.9 | 21.92 | µg/L | 0.137 | 21.92 | µg/L | 0.137 | 0.63% |
| CR 267 IEC | 872.0 | 15.14 | µg/L | 0.046 | 15.14 | µg/L | 0.046 | 0.30% |
| CU 324 IEC | 3267.9 | 20.47 | µg/L | 0.054 | 20.47 | µg/L | 0.054 | 0.27% |
| FE 238 IEC | 6325.8 | 39242 | µg/L | 306.3 | 39242 | µg/L | 306.3 | 0.78% |
| FE 238 LOW | 1409635.0 | 35888 | µg/L | 582.3 | 35888 | µg/L | 582.3 | 1.62% |
| K 766 IEC | 26028.6 | 11934 | µg/L | 323.1 | 11934 | µg/L | 323.1 | 2.71% |
| LI 670 IEC | 1223.2 | 47.43 | µg/L | 0.553 | 47.43 | µg/L | 0.553 | 1.17% |
| MG 279 IEC | 6495.7 | 55404 | µg/L | 392.5 | 55404 | µg/L | 392.5 | 0.71% |
| MN 257 IEC | 919336.0 | 3666.9 | µg/L | 62.24 | 3666.9 | µg/L | 62.24 | 1.70% |
| MO 202 IEC | 55.1 | 14.32 | µg/L | 1.198 | 14.32 | µg/L | 1.198 | 8.36% |
| NA 589 IEC | 3765026.7 | 1218100 | µg/L | 13353.7 | 1218100 | µg/L | 13353.7 | 1.10% |
| NI 231 IEC | 528.9 | 51.10 | µg/L | 0.549 | 51.10 | µg/L | 0.549 | 1.07% |
| PB 220 IEC | 40.8 | 17.65 | µg/L | 1.054 | 17.65 | µg/L | 1.054 | 5.97% |
| SB 217 IEC | -21.4 | -2.69 | µg/L | 3.540 | -2.69 | µg/L | 3.540 | 131.78% |
| SE 196 IEC | 10.0 | 15.67 | µg/L | 7.157 | 15.67 | µg/L | 7.157 | 45.66% |
| SN 189 IEC | -62.7 | -81.36 | µg/L | 2.043 | -81.36 | µg/L | 2.043 | 2.51% |
| SR 407 IEC | 71243.6 | 1002.2 | µg/L | 25.05 | 1002.2 | µg/L | 25.05 | 2.50% |
| TI 334 IEC | 100001.6 | 220.92 | µg/L | 2.022 | 220.92 | µg/L | 2.022 | 0.92% |
| TL 190 IEC | 6.4 | -43.53 | µg/L | 2.263 | -43.53 | µg/L | 2.263 | 5.20% |
| V 292 IEC | 4803.7 | 45.92 | µg/L | 0.054 | 45.92 | µg/L | 0.054 | 0.12% |
| ZN 206 IEC | 1014.9 | 101.87 | µg/L | 0.602 | 101.87 | µg/L | 0.602 | 0.59% |
| SI 251 IEC | 8089.5 | 45679 | µg/L | 326.3 | 45679 | µg/L | 326.3 | 0.71% |

Sequence No.: 37
Sample ID: 20491422/MS1
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 27
Date Collected: 12/21/2006 12:54:44 PM

Sample Prep Volume:
Data Type: Original

Mean Data: 20491422/MS1

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | 42825.6 | 462.72 | µg/L | 2.159 | 462.72 | µg/L | 2.159 | 0.47% |
| AL 308 IEC | 2484.5 | 27448 | µg/L | 228.5 | 27448 | µg/L | 228.5 | 0.83% |
| AL 308 LOW | 285708.4 | 28200 | µg/L | 45.5 | 28200 | µg/L | 45.5 | 0.16% |
| AS 188 IEC | 321.9 | 1231.4 | µg/L | 12.30 | 1231.4 | µg/L | 12.30 | 1.00% |
| B 208 IEC | 1905.4 | 1006.2 | µg/L | 4.55 | 1006.2 | µg/L | 4.55 | 0.45% |
| BA 233 IEC | 75708.5 | 2153.5 | µg/L | 2.84 | 2153.5 | µg/L | 2.84 | 0.13% |
| BE 313 IEC | 2026040.9 | 897.57 | µg/L | 0.859 | 897.57 | µg/L | 0.859 | 0.10% |
| CA 317 IEC | 112397.0 | 198720 | µg/L | 257.4 | 198720 | µg/L | 257.4 | 0.13% |
| CD 226 IEC | 34050.5 | 843.47 | µg/L | 1.705 | 843.47 | µg/L | 1.705 | 0.20% |
| CO 228 IEC | 10410.5 | 855.03 | µg/L | 3.051 | 855.03 | µg/L | 3.051 | 0.36% |
| CR 267 IEC | 50650.1 | 879.68 | µg/L | 0.703 | 879.68 | µg/L | 0.703 | 0.08% |
| CU 324 IEC | 161221.0 | 1010.0 | µg/L | 2.29 | 1010.0 | µg/L | 2.29 | 0.23% |
| FE 238 IEC | 7641.6 | 47404 | µg/L | 365.4 | 47404 | µg/L | 365.4 | 0.77% |
| FE 238 LOW | 1703619.1 | 43373 | µg/L | 25.3 | 43373 | µg/L | 25.3 | 0.06% |
| K 766 IEC | 50615.8 | 23206 | µg/L | 44.6 | 23206 | µg/L | 44.6 | 0.19% |
| LI 670 IEC | 29445.4 | 1141.7 | µg/L | 4.67 | 1141.7 | µg/L | 4.67 | 0.41% |
| MG 279 IEC | 7455.9 | 63593 | µg/L | 1190.7 | 63593 | µg/L | 1190.7 | 1.87% |
| MN 257 IEC | 1107911.0 | 4419.1 | µg/L | 10.76 | 4419.1 | µg/L | 10.76 | 0.24% |
| MO 202 IEC | 3372.4 | 894.72 | µg/L | 0.515 | 894.72 | µg/L | 0.515 | 0.06% |
| NA 589 IEC | 3792136.1 | 1226900 | µg/L | 15633.3 | 1226900 | µg/L | 15633.3 | 1.27% |
| NI 231 IEC | 9323.8 | 900.76 | µg/L | 5.879 | 900.76 | µg/L | 5.879 | 0.65% |
| PB 220 IEC | 2054.0 | 855.06 | µg/L | 7.496 | 855.06 | µg/L | 7.496 | 0.88% |
| SB 217 IEC | 1236.5 | 883.79 | µg/L | 0.559 | 883.79 | µg/L | 0.559 | 0.06% |
| SE 196 IEC | 374.2 | 903.64 | µg/L | 13.744 | 903.64 | µg/L | 13.744 | 1.52% |
| SN 189 IEC | 658.5 | 855.07 | µg/L | 2.775 | 855.07 | µg/L | 2.775 | 0.32% |
| SR 407 IEC | 141524.9 | 1990.8 | µg/L | 9.85 | 1990.8 | µg/L | 9.85 | 0.49% |
| TI 334 IEC | 511105.5 | 1129.1 | µg/L | 1.28 | 1129.1 | µg/L | 1.28 | 0.11% |
| TL 190 IEC | 208.9 | 744.28 | µg/L | 0.164 | 744.28 | µg/L | 0.164 | 0.02% |
| V 292 IEC | 101903.6 | 974.22 | µg/L | 1.555 | 974.22 | µg/L | 1.555 | 0.16% |
| ZN 206 IEC | 9578.8 | 961.45 | µg/L | 0.323 | 961.45 | µg/L | 0.323 | 0.03% |
| SI 251 IEC | 9007.8 | 50844 | µg/L | 292.4 | 50844 | µg/L | 292.4 | 0.58% |

Sequence No.: 38
Sample ID: 20491423/MSD1
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 28
Date Collected: 12/21/2006 12:59:10 PM
Sample Prep Volume:
Data Type: Original

Mean Data: 20491423/MSD1

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Calib Std.Dev. | Sample Conc. | Sample Units | Sample Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | 41997.7 | 453.74 | µg/L | 5.435 | 453.74 | µg/L | 5.435 | 1.20% |
| AL 308 IEC | 2321.8 | 25650 | µg/L | 126.9 | 25650 | µg/L | 126.9 | 0.49% |
| AL 308 LOW | 262582.7 | 25917 | µg/L | 3.3 | 25917 | µg/L | 3.3 | 0.01% |
| AS 188 IEC | 323.5 | 1237.3 | µg/L | 12.77 | 1237.3 | µg/L | 12.77 | 1.03% |
| B 208 IEC | 1865.2 | 984.93 | µg/L | 9.113 | 984.93 | µg/L | 9.113 | 0.93% |
| BA 233 IEC | 73658.6 | 2095.2 | µg/L | 17.43 | 2095.2 | µg/L | 17.43 | 0.83% |
| BE 313 IEC | 1980544.0 | 877.41 | µg/L | 0.302 | 877.41 | µg/L | 0.302 | 0.03% |
| CA 317 IEC | 108849.1 | 192440 | µg/L | 1631.4 | 192440 | µg/L | 1631.4 | 0.85% |
| CD 226 IEC | 33532.1 | 830.66 | µg/L | 6.652 | 830.66 | µg/L | 6.652 | 0.80% |
| CO 228 IEC | 10218.8 | 839.28 | µg/L | 10.046 | 839.28 | µg/L | 10.046 | 1.20% |
| CR 267 IEC | 49664.9 | 862.57 | µg/L | 8.995 | 862.57 | µg/L | 8.995 | 1.04% |
| CU 324 IEC | 158171.9 | 990.90 | µg/L | 11.476 | 990.90 | µg/L | 11.476 | 1.16% |
| FE 238 IEC | 7399.9 | 45905 | µg/L | 347.7 | 45905 | µg/L | 347.7 | 0.76% |
| FE 238 LOW | 1631598.6 | 41539 | µg/L | 7.5 | 41539 | µg/L | 7.5 | 0.02% |
| K 766 IEC | 48200.8 | 22099 | µg/L | 294.3 | 22099 | µg/L | 294.3 | 1.33% |
| LI 670 IEC | 28458.9 | 1103.4 | µg/L | 7.49 | 1103.4 | µg/L | 7.49 | 0.68% |
| MG 279 IEC | 7235.8 | 61717 | µg/L | 333.4 | 61717 | µg/L | 333.4 | 0.54% |
| MN 257 IEC | 1074115.7 | 4284.3 | µg/L | 7.88 | 4284.3 | µg/L | 7.88 | 0.18% |
| MO 202 IEC | 3365.2 | 892.85 | µg/L | 5.668 | 892.85 | µg/L | 5.668 | 0.63% |
| NA 589 IEC | 3665123.2 | 1185800 | µg/L | 13316.5 | 1185800 | µg/L | 13316.5 | 1.12% |
| NI 231 IEC | 9239.9 | 892.64 | µg/L | 7.413 | 892.64 | µg/L | 7.413 | 0.83% |
| PB 220 IEC | 2049.4 | 853.06 | µg/L | 6.590 | 853.06 | µg/L | 6.590 | 0.77% |
| SB 217 IEC | 1233.1 | 880.99 | µg/L | 1.719 | 880.99 | µg/L | 1.719 | 0.20% |
| SE 196 IEC | 385.3 | 930.72 | µg/L | 26.999 | 930.72 | µg/L | 26.999 | 2.90% |
| SN 189 IEC | 647.7 | 841.07 | µg/L | 12.695 | 841.07 | µg/L | 12.695 | 1.51% |
| SR 407 IEC | 136957.8 | 1926.6 | µg/L | 23.72 | 1926.6 | µg/L | 23.72 | 1.23% |
| TI 334 IEC | 487054.9 | 1076.0 | µg/L | 0.90 | 1076.0 | µg/L | 0.90 | 0.08% |
| TL 190 IEC | 207.3 | 740.31 | µg/L | 20.542 | 740.31 | µg/L | 20.542 | 2.77% |
| V 292 IEC | 99758.1 | 953.71 | µg/L | 7.781 | 953.71 | µg/L | 7.781 | 0.82% |
| ZN 206 IEC | 9460.3 | 949.56 | µg/L | 11.636 | 949.56 | µg/L | 11.636 | 1.23% |
| SI 251 IEC | 6341.3 | 35437 | µg/L | 32.0 | 35437 | µg/L | 32.0 | 0.09% |

Sequence No.: 39
Sample ID: 20488921/OQS
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 29
Date Collected: 12/21/2006 1:03:37 PM

Sample Prep Volume:
Data Type: Original

Mean Data: 20488921/OQS

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | -36.9 | 0.76 | µg/L | 0.977 | 0.76 | µg/L | 0.977 | 128.44% |
| AL 308 IEC | 140.9 | 1556.7 | µg/L | 23.60 | 1556.7 | µg/L | 23.60 | 1.52% |
| AL 308 LOW | 15676.1 | 1547.2 | µg/L | 5.21 | 1547.2 | µg/L | 5.21 | 0.34% |
| AS 188 IEC | 24.5 | 97.23 | µg/L | 8.196 | 97.23 | µg/L | 8.196 | 8.43% |
| B 208 IEC | 660.0 | 348.51 | µg/L | 0.923 | 348.51 | µg/L | 0.923 | 0.26% |
| BA 233 IEC | 13955.8 | 396.96 | µg/L | 0.352 | 396.96 | µg/L | 0.352 | 0.09% |
| BE 313 IEC | 464.2 | 0.21 | µg/L | 0.011 | 0.21 | µg/L | 0.011 | 5.46% |
| CA 317 IEC | 50404.3 | 89115 | µg/L | 745.2 | 89115 | µg/L | 745.2 | 0.84% |
| CD 226 IEC | 44.5 | 0.80 | µg/L | 0.007 | 0.80 | µg/L | 0.007 | 0.87% |
| CO 228 IEC | 43.9 | 3.61 | µg/L | 0.495 | 3.61 | µg/L | 0.495 | 13.72% |
| CR 267 IEC | 59.2 | 1.03 | µg/L | 0.049 | 1.03 | µg/L | 0.049 | 4.77% |
| CU 324 IEC | 878.8 | 5.51 | µg/L | 0.124 | 5.51 | µg/L | 0.124 | 2.25% |
| FE 238 IEC | 1108.7 | 6877.6 | µg/L | 6.86 | 6877.6 | µg/L | 6.86 | 0.10% |
| FE 238 LOW | 263536.2 | 6709.5 | µg/L | 31.57 | 6709.5 | µg/L | 31.57 | 0.47% |
| K 766 IEC | 53623.4 | 24585 | µg/L | 198.9 | 24585 | µg/L | 198.9 | 0.81% |
| LI 670 IEC | 514.2 | 19.94 | µg/L | 0.693 | 19.94 | µg/L | 0.693 | 3.47% |
| MG 279 IEC | 2579.4 | 22000 | µg/L | 38.4 | 22000 | µg/L | 38.4 | 0.17% |
| MN 257 IEC | 349808.7 | 1395.3 | µg/L | 1.91 | 1395.3 | µg/L | 1.91 | 0.14% |
| MO 202 IEC | 9.2 | 2.42 | µg/L | 0.866 | 2.42 | µg/L | 0.866 | 35.79% |
| NA 589 IEC | 704283.2 | 227860 | µg/L | 5347.1 | 227860 | µg/L | 5347.1 | 2.35% |
| NI 231 IEC | 60.0 | 5.80 | µg/L | 0.281 | 5.80 | µg/L | 0.281 | 4.85% |
| PB 220 IEC | -0.1 | 0.02 | µg/L | 0.399 | 0.02 | µg/L | 0.399 | >999.9% |
| SB 217 IEC | -12.2 | -4.90 | µg/L | 3.419 | -4.90 | µg/L | 3.419 | 69.71% |
| SE 196 IEC | 13.6 | 25.75 | µg/L | 16.116 | 25.75 | µg/L | 16.116 | 62.59% |
| SN 189 IEC | -34.4 | -44.72 | µg/L | 1.975 | -44.72 | µg/L | 1.975 | 4.42% |
| SR 407 IEC | 40612.6 | 571.29 | µg/L | 17.368 | 571.29 | µg/L | 17.368 | 3.04% |
| TI 334 IEC | 14801.1 | 32.70 | µg/L | 1.151 | 32.70 | µg/L | 1.151 | 3.52% |
| TL 190 IEC | 9.8 | 6.49 | µg/L | 21.979 | 6.49 | µg/L | 21.979 | 338.70% |
| V 292 IEC | 585.6 | 5.60 | µg/L | 0.186 | 5.60 | µg/L | 0.186 | 3.33% |
| ZN 206 IEC | 126.6 | 12.71 | µg/L | 0.179 | 12.71 | µg/L | 0.179 | 1.41% |
| SI 251 IEC | 4330.3 | 24656 | µg/L | 65.2 | 24656 | µg/L | 65.2 | 0.26% |

Sequence No.: 40
Sample ID: 20491424/MS2
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 30
Date Collected: 12/21/2006 1:08:31 PM

Sample Prep Volume:
Data Type: Original

Mean Data: 20491424/MS2

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | 50037.4 | 538.75 | µg/L | 0.482 | 538.75 | µg/L | 0.482 | 0.09% |
| AL 308 IEC | 1101.1 | 12164 | µg/L | 86.1 | 12164 | µg/L | 86.1 | 0.71% |
| AL 308 LOW | 125166.7 | 12354 | µg/L | 20.4 | 12354 | µg/L | 20.4 | 0.17% |
| AS 188 IEC | 240.5 | 917.47 | µg/L | 0.507 | 917.47 | µg/L | 0.507 | 0.06% |
| B 208 IEC | 1992.5 | 1052.1 | µg/L | 4.81 | 1052.1 | µg/L | 4.81 | 0.46% |
| BA 233 IEC | 43014.7 | 1223.5 | µg/L | 0.50 | 1223.5 | µg/L | 0.50 | 0.04% |
| BE 313 IEC | 1874990.9 | 830.65 | µg/L | 5.182 | 830.65 | µg/L | 5.182 | 0.62% |
| CA 317 IEC | 49135.3 | 86871 | µg/L | 215.5 | 86871 | µg/L | 215.5 | 0.25% |
| CD 226 IEC | 32291.5 | 801.17 | µg/L | 2.707 | 801.17 | µg/L | 2.707 | 0.34% |
| CO 228 IEC | 9870.2 | 810.65 | µg/L | 2.195 | 810.65 | µg/L | 2.195 | 0.27% |
| CR 267 IEC | 46708.9 | 811.23 | µg/L | 1.087 | 811.23 | µg/L | 1.087 | 0.13% |
| CU 324 IEC | 139718.1 | 875.30 | µg/L | 0.582 | 875.30 | µg/L | 0.582 | 0.07% |
| FE 238 IEC | 2609.7 | 16189 | µg/L | 31.7 | 16189 | µg/L | 31.7 | 0.20% |
| FE 238 LOW | 604248.4 | 15384 | µg/L | 97.0 | 15384 | µg/L | 97.0 | 0.63% |
| K 766 IEC | 66919.0 | 30681 | µg/L | 256.9 | 30681 | µg/L | 256.9 | 0.84% |
| LI 670 IEC | 22614.5 | 876.84 | µg/L | 2.746 | 876.84 | µg/L | 2.746 | 0.31% |
| MG 279 IEC | 3314.7 | 28272 | µg/L | 43.8 | 28272 | µg/L | 43.8 | 0.15% |
| MN 257 IEC | 505235.1 | 2015.2 | µg/L | 9.76 | 2015.2 | µg/L | 9.76 | 0.48% |
| MO 202 IEC | 3151.2 | 836.31 | µg/L | 0.864 | 836.31 | µg/L | 0.864 | 0.10% |
| NA 589 IEC | 664639.9 | 215040 | µg/L | 915.7 | 215040 | µg/L | 915.7 | 0.43% |
| NI 231 IEC | 8578.7 | 828.77 | µg/L | 1.280 | 828.77 | µg/L | 1.280 | 0.15% |
| PB 220 IEC | 1926.8 | 801.45 | µg/L | 1.144 | 801.45 | µg/L | 1.144 | 0.14% |
| SB 217 IEC | 1175.8 | 832.40 | µg/L | 0.469 | 832.40 | µg/L | 0.469 | 0.06% |
| SE 196 IEC | 356.5 | 863.04 | µg/L | 5.270 | 863.04 | µg/L | 5.270 | 0.61% |
| SN 189 IEC | 647.3 | 840.61 | µg/L | 0.549 | 840.61 | µg/L | 0.549 | 0.07% |
| SR 407 IEC | 98371.3 | 1383.8 | µg/L | 2.50 | 1383.8 | µg/L | 2.50 | 0.18% |
| TI 334 IEC | 400866.6 | 885.57 | µg/L | 6.005 | 885.57 | µg/L | 6.005 | 0.68% |
| TL 190 IEC | 207.8 | 779.87 | µg/L | 27.423 | 779.87 | µg/L | 27.423 | 3.52% |
| V 292 IEC | 89850.0 | 858.98 | µg/L | 1.981 | 858.98 | µg/L | 1.981 | 0.23% |
| ZN 206 IEC | 8394.3 | 842.56 | µg/L | 1.584 | 842.56 | µg/L | 1.584 | 0.19% |
| SI 251 IEC | 4862.2 | 27617 | µg/L | 34.4 | 27617 | µg/L | 34.4 | 0.12% |

Sequence No.: 41
Sample ID: 20491425/MSD2
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 31
Date Collected: 12/21/2006 1:13:30 PM
Sample Prep Volume:
Data Type: Original

Mean Data: 20491425/MSD2

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | 46660.7 | 502.67 | µg/L | 8.558 | 502.67 | µg/L | 8.558 | 1.70% |
| AL 308 IEC | 1346.0 | 14871 | µg/L | 70.6 | 14871 | µg/L | 70.6 | 0.47% |
| AL 308 LOW | 157959.9 | 15591 | µg/L | 281.4 | 15591 | µg/L | 281.4 | 1.81% |
| AS 188 IEC | 287.6 | 1096.8 | µg/L | 17.73 | 1096.8 | µg/L | 17.73 | 1.62% |
| B 208 IEC | 2397.9 | 1266.2 | µg/L | 13.27 | 1266.2 | µg/L | 13.27 | 1.05% |
| BA 233 IEC | 52147.2 | 1483.3 | µg/L | 25.45 | 1483.3 | µg/L | 25.45 | 1.72% |
| BE 313 IEC | 2230927.2 | 988.34 | µg/L | 14.228 | 988.34 | µg/L | 14.228 | 1.44% |
| CA 317 IEC | 57749.4 | 102100 | µg/L | 436.9 | 102100 | µg/L | 436.9 | 0.43% |
| CD 226 IEC | 38687.5 | 959.84 | µg/L | 13.424 | 959.84 | µg/L | 13.424 | 1.40% |
| CO 228 IEC | 11804.9 | 969.55 | µg/L | 14.181 | 969.55 | µg/L | 14.181 | 1.46% |
| CR 267 IEC | 56031.0 | 973.13 | µg/L | 17.841 | 973.13 | µg/L | 17.841 | 1.83% |
| CU 324 IEC | 169447.4 | 1061.5 | µg/L | 19.31 | 1061.5 | µg/L | 19.31 | 1.82% |
| FE 238 IEC | 3182.3 | 19741 | µg/L | 56.4 | 19741 | µg/L | 56.4 | 0.29% |
| FE 238 LOW | 737790.9 | 18784 | µg/L | 270.0 | 18784 | µg/L | 270.0 | 1.44% |
| K 766 IEC | 77561.5 | 35560 | µg/L | 351.1 | 35560 | µg/L | 351.1 | 0.99% |
| LI 670 IEC | 25882.6 | 1003.6 | µg/L | 3.02 | 1003.6 | µg/L | 3.02 | 0.30% |
| MG 279 IEC | 3933.1 | 33547 | µg/L | 3.7 | 33547 | µg/L | 3.7 | 0.01% |
| MN 257 IEC | 600997.2 | 2397.2 | µg/L | 28.40 | 2397.2 | µg/L | 28.40 | 1.18% |
| MO 202 IEC | 3735.4 | 991.35 | µg/L | 6.845 | 991.35 | µg/L | 6.845 | 0.69% |
| NA 589 IEC | 765138.9 | 247550 | µg/L | 2051.0 | 247550 | µg/L | 2051.0 | 0.83% |
| NI 231 IEC | 10300.8 | 995.13 | µg/L | 22.349 | 995.13 | µg/L | 22.349 | 2.25% |
| PB 220 IEC | 2278.3 | 947.69 | µg/L | 9.086 | 947.69 | µg/L | 9.086 | 0.96% |
| SB 217 IEC | 1388.9 | 983.35 | µg/L | 4.478 | 983.35 | µg/L | 4.478 | 0.46% |
| SE 196 IEC | 423.6 | 1025.7 | µg/L | 8.28 | 1025.7 | µg/L | 8.28 | 0.81% |
| SN 189 IEC | 772.7 | 1003.5 | µg/L | 10.98 | 1003.5 | µg/L | 10.98 | 1.09% |
| SR 407 IEC | 116000.0 | 1631.7 | µg/L | 18.93 | 1631.7 | µg/L | 18.93 | 1.16% |
| TI 334 IEC | 481452.1 | 1063.6 | µg/L | 12.68 | 1063.6 | µg/L | 12.68 | 1.19% |
| TL 190 IEC | 245.7 | 922.35 | µg/L | 10.995 | 922.35 | µg/L | 10.995 | 1.19% |
| V 292 IEC | 107854.4 | 1031.1 | µg/L | 17.95 | 1031.1 | µg/L | 17.95 | 1.74% |
| ZN 206 IEC | 9958.2 | 999.53 | µg/L | 14.812 | 999.53 | µg/L | 14.812 | 1.48% |
| SI 251 IEC | 6077.1 | 34551 | µg/L | 110.2 | 34551 | µg/L | 110.2 | 0.32% |

Sequence No.: 42
Sample ID: 20488922/OQS
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 32
Date Collected: 12/21/2006 1:18:28 PM

Sample Prep Volume:
Data Type: Original

Mean Data: 20488922/OQS

| Analyte | Mean Corrected Intensity | Calib Conc. | Units | Std.Dev. | Sample Conc. | Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | 60.2 | 2.72 | µg/L | 0.351 | 2.72 | µg/L | 0.351 | 12.92% |
| AL 308 IEC | 1179.4 | 13030 | µg/L | 82.7 | 13030 | µg/L | 82.7 | 0.63% |
| AL 308 LOW | 134888.4 | 13314 | µg/L | 7.5 | 13314 | µg/L | 7.5 | 0.06% |
| AS 188 IEC | 21.1 | 86.94 | µg/L | 13.647 | 86.94 | µg/L | 13.647 | 15.70% |
| B 208 IEC | 622.7 | 328.81 | µg/L | 3.266 | 328.81 | µg/L | 3.266 | 0.99% |
| BA 233 IEC | 36505.7 | 1038.4 | µg/L | 1.00 | 1038.4 | µg/L | 1.00 | 0.10% |
| BE 313 IEC | 3965.6 | 1.76 | µg/L | 0.015 | 1.76 | µg/L | 0.015 | 0.84% |
| CA 317 IEC | 90190.8 | 159460 | µg/L | 6239.0 | 159460 | µg/L | 6239.0 | 3.91% |
| CD 226 IEC | 132.0 | 1.81 | µg/L | 0.468 | 1.81 | µg/L | 0.468 | 25.79% |
| CO 228 IEC | 226.4 | 18.59 | µg/L | 0.649 | 18.59 | µg/L | 0.649 | 3.49% |
| CR 267 IEC | 2032.9 | 35.31 | µg/L | 0.649 | 35.31 | µg/L | 0.649 | 1.84% |
| CU 324 IEC | 3114.5 | 19.51 | µg/L | 0.263 | 19.51 | µg/L | 0.263 | 1.35% |
| FE 238 IEC | 5331.0 | 33070 | µg/L | 140.7 | 33070 | µg/L | 140.7 | 0.43% |
| FE 238 LOW | 1236791.3 | 31488 | µg/L | 670.3 | 31488 | µg/L | 670.3 | 2.13% |
| K 766 IEC | 22125.0 | 10144 | µg/L | 291.7 | 10144 | µg/L | 291.7 | 2.88% |
| LI 670 IEC | 723.5 | 28.05 | µg/L | 0.238 | 28.05 | µg/L | 0.238 | 0.85% |
| MG 279 IEC | 6861.6 | 58525 | µg/L | 204.0 | 58525 | µg/L | 204.0 | 0.35% |
| MN 257 IEC | 1801874.7 | 7187.1 | µg/L | 176.33 | 7187.1 | µg/L | 176.33 | 2.45% |
| MO 202 IEC | 49.7 | 12.92 | µg/L | 0.247 | 12.92 | µg/L | 0.247 | 1.92% |
| NA 589 IEC | 501142.7 | 162140 | µg/L | 5134.0 | 162140 | µg/L | 5134.0 | 3.17% |
| NI 231 IEC | 512.9 | 49.55 | µg/L | 0.579 | 49.55 | µg/L | 0.579 | 1.17% |
| PB 220 IEC | 30.8 | 13.45 | µg/L | 1.497 | 13.45 | µg/L | 1.497 | 11.13% |
| SB 217 IEC | -17.5 | -1.92 | µg/L | 6.050 | -1.92 | µg/L | 6.050 | 315.30% |
| SE 196 IEC | 11.6 | 21.23 | µg/L | 10.851 | 21.23 | µg/L | 10.851 | 51.11% |
| SN 189 IEC | -63.8 | -82.85 | µg/L | 0.456 | -82.85 | µg/L | 0.456 | 0.55% |
| SR 407 IEC | 40924.0 | 575.67 | µg/L | 19.810 | 575.67 | µg/L | 19.810 | 3.44% |
| TI 334 IEC | 111838.4 | 247.07 | µg/L | 1.682 | 247.07 | µg/L | 1.682 | 0.68% |
| TL 190 IEC | 0.3 | -55.79 | µg/L | 5.811 | -55.79 | µg/L | 5.811 | 10.41% |
| V 292 IEC | 3845.4 | 36.76 | µg/L | 0.337 | 36.76 | µg/L | 0.337 | 0.92% |
| ZN 206 IEC | 1276.2 | 128.09 | µg/L | 0.566 | 128.09 | µg/L | 0.566 | 0.44% |
| SI 251 IEC | 6406.1 | 36072 | µg/L | 138.3 | 36072 | µg/L | 138.3 | 0.38% |

12/21/2006 1:25:02 PM Hg ReAlign... Actual peak offset (nm): -0.001
Drift (nm): -0.000 Slit adjustment: -2

Sequence No.: 44
Sample ID: 20491426/MS3
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 33
Date Collected: 12/21/2006 1:25:04 PM
Sample Prep Volume:
Data Type: Original

Mean Data: 20491426/MS3

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | 43437.1 | 468.85 | µg/L | 3.152 | 468.85 | µg/L | 3.152 | 0.67% |
| AL 308 IEC | 2642.2 | 29190 | µg/L | 15.0 | 29190 | µg/L | 15.0 | 0.05% |
| AL 308 LOW | 298760.7 | 29488 | µg/L | 66.9 | 29488 | µg/L | 66.9 | 0.23% |
| AS 188 IEC | 257.1 | 983.39 | µg/L | 8.627 | 983.39 | µg/L | 8.627 | 0.88% |
| B 208 IEC | 2228.7 | 1176.9 | µg/L | 15.64 | 1176.9 | µg/L | 15.64 | 1.33% |
| BA 233 IEC | 67845.0 | 1929.8 | µg/L | 3.03 | 1929.8 | µg/L | 3.03 | 0.16% |
| BE 313 IEC | 2080587.6 | 921.74 | µg/L | 4.547 | 921.74 | µg/L | 4.547 | 0.49% |
| CA 317 IEC | 93294.1 | 164940 | µg/L | 1317.0 | 164940 | µg/L | 1317.0 | 0.80% |
| CD 226 IEC | 34403.1 | 852.44 | µg/L | 3.084 | 852.44 | µg/L | 3.084 | 0.36% |
| CO 228 IEC | 10671.2 | 876.44 | µg/L | 2.573 | 876.44 | µg/L | 2.573 | 0.29% |
| CR 267 IEC | 52349.4 | 909.19 | µg/L | 2.295 | 909.19 | µg/L | 2.295 | 0.25% |
| CU 324 IEC | 150205.9 | 941.00 | µg/L | 6.814 | 941.00 | µg/L | 6.814 | 0.72% |
| FE 238 IEC | 6838.6 | 42423 | µg/L | 61.5 | 42423 | µg/L | 61.5 | 0.14% |
| FE 238 LOW | 1607169.0 | 40917 | µg/L | 172.9 | 40917 | µg/L | 172.9 | 0.42% |
| K 766 IEC | 45958.2 | 21071 | µg/L | 127.4 | 21071 | µg/L | 127.4 | 0.60% |
| LI 670 IEC | 24248.2 | 940.18 | µg/L | 9.621 | 940.18 | µg/L | 9.621 | 1.02% |
| MG 279 IEC | 7847.7 | 66935 | µg/L | 40.1 | 66935 | µg/L | 40.1 | 0.06% |
| MN 257 IEC | 2015050.2 | 8037.3 | µg/L | 18.12 | 8037.3 | µg/L | 18.12 | 0.23% |
| MO 202 IEC | 3594.6 | 953.66 | µg/L | 9.360 | 953.66 | µg/L | 9.360 | 0.98% |
| NA 589 IEC | 513573.7 | 166160 | µg/L | 1530.9 | 166160 | µg/L | 1530.9 | 0.92% |
| NI 231 IEC | 9564.4 | 923.99 | µg/L | 6.185 | 923.99 | µg/L | 6.185 | 0.67% |
| PB 220 IEC | 2144.3 | 892.65 | µg/L | 12.372 | 892.65 | µg/L | 12.372 | 1.39% |
| SB 217 IEC | 1308.7 | 932.73 | µg/L | 9.630 | 932.73 | µg/L | 9.630 | 1.03% |
| SE 196 IEC | 389.8 | 943.66 | µg/L | 6.646 | 943.66 | µg/L | 6.646 | 0.70% |
| SN 189 IEC | 703.6 | 913.62 | µg/L | 20.606 | 913.62 | µg/L | 20.606 | 2.26% |
| SR 407 IEC | 106443.4 | 1497.3 | µg/L | 19.78 | 1497.3 | µg/L | 19.78 | 1.32% |
| TI 334 IEC | 546061.6 | 1206.3 | µg/L | 6.89 | 1206.3 | µg/L | 6.89 | 0.57% |
| TL 190 IEC | 218.6 | 794.27 | µg/L | 7.572 | 794.27 | µg/L | 7.572 | 0.95% |
| V 292 IEC | 100539.9 | 961.18 | µg/L | 2.403 | 961.18 | µg/L | 2.403 | 0.25% |
| ZN 206 IEC | 10654.9 | 1069.5 | µg/L | 2.45 | 1069.5 | µg/L | 2.45 | 0.23% |
| SI 251 IEC | 8720.2 | 49310 | µg/L | 10.4 | 49310 | µg/L | 10.4 | 0.02% |

Sequence No.: 45
Sample ID: CCV4
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 12/21/2006 1:29:28 PM
Sample Prep Volume:
Data Type: Original

Mean Data: CCV4

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | 45117.5 | 484.89 | µg/L | 9.412 | 484.89 | µg/L | 9.412 | 1.94% |
| AL 308 IEC | 872.3 | 9636.8 | µg/L | 34.62 | 9636.8 | µg/L | 34.62 | 0.36% |
| AL 308 LOW | 96542.4 | 9528.8 | µg/L | 235.67 | 9528.8 | µg/L | 235.67 | 2.47% |
| AS 188 IEC | 250.2 | 950.74 | µg/L | 0.600 | 950.74 | µg/L | 0.600 | 0.06% |
| B 208 IEC | 1936.1 | 1022.3 | µg/L | 12.76 | 1022.3 | µg/L | 12.76 | 1.25% |
| BA 233 IEC | 33795.6 | 961.29 | µg/L | 23.947 | 961.29 | µg/L | 23.947 | 2.49% |
| BE 313 IEC | 2144998.5 | 950.27 | µg/L | 0.229 | 950.27 | µg/L | 0.229 | 0.02% |
| CA 317 IEC | 5557.8 | 9826.2 | µg/L | 21.54 | 9826.2 | µg/L | 21.54 | 0.22% |
| CD 226 IEC | 38643.5 | 959.19 | µg/L | 24.075 | 959.19 | µg/L | 24.075 | 2.51% |
| CO 228 IEC | 11864.3 | 974.43 | µg/L | 17.914 | 974.43 | µg/L | 17.914 | 1.84% |
| CR 267 IEC | 55438.2 | 962.84 | µg/L | 22.180 | 962.84 | µg/L | 22.180 | 2.30% |
| CU 324 IEC | 152805.8 | 957.29 | µg/L | 22.328 | 957.29 | µg/L | 22.328 | 2.33% |
| FE 238 IEC | 1569.5 | 9736.1 | µg/L | 0.27 | 9736.1 | µg/L | 0.27 | 0.00% |
| FE 238 LOW | 376165.3 | 9576.9 | µg/L | 1.82 | 9576.9 | µg/L | 1.82 | 0.02% |
| K 766 IEC | 21881.6 | 10032 | µg/L | 242.7 | 10032 | µg/L | 242.7 | 2.42% |
| LI 670 IEC | 25839.0 | 1001.9 | µg/L | 12.08 | 1001.9 | µg/L | 12.08 | 1.21% |
| MG 279 IEC | 1133.5 | 9667.8 | µg/L | 40.37 | 9667.8 | µg/L | 40.37 | 0.42% |
| MN 257 IEC | 245501.6 | 979.22 | µg/L | 23.096 | 979.22 | µg/L | 23.096 | 2.36% |
| MO 202 IEC | 3632.2 | 964.08 | µg/L | 6.226 | 964.08 | µg/L | 6.226 | 0.65% |
| NA 589 IEC | 32828.1 | 10621 | µg/L | 208.9 | 10621 | µg/L | 208.9 | 1.97% |
| NI 231 IEC | 10096.7 | 975.41 | µg/L | 20.839 | 975.41 | µg/L | 20.839 | 2.14% |
| PB 220 IEC | 2328.1 | 968.13 | µg/L | 6.159 | 968.13 | µg/L | 6.159 | 0.64% |
| SB 217 IEC | 1365.7 | 962.63 | µg/L | 5.601 | 962.63 | µg/L | 5.601 | 0.58% |
| SE 196 IEC | 396.7 | 966.87 | µg/L | 41.736 | 966.87 | µg/L | 41.736 | 4.32% |
| SN 189 IEC | 740.7 | 961.89 | µg/L | 9.770 | 961.89 | µg/L | 9.770 | 1.02% |
| SR 407 IEC | 72587.8 | 1021.1 | µg/L | 13.10 | 1021.1 | µg/L | 13.10 | 1.28% |
| TI 334 IEC | 427456.6 | 944.32 | µg/L | 0.424 | 944.32 | µg/L | 0.424 | 0.04% |
| TL 190 IEC | 249.9 | 971.67 | µg/L | 0.686 | 971.67 | µg/L | 0.686 | 0.07% |
| V 292 IEC | 100140.7 | 957.36 | µg/L | 20.839 | 957.36 | µg/L | 20.839 | 2.18% |
| ZN 206 IEC | 9704.1 | 974.03 | µg/L | 17.979 | 974.03 | µg/L | 17.979 | 1.85% |
| SI 251 IEC | 875.3 | 4897.1 | µg/L | 16.42 | 4897.1 | µg/L | 16.42 | 0.34% |

Sequence No.: 46
Sample ID: CCB4
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 12/21/2006 1:34:28 PM

Sample Prep Volume:
Data Type: Original

Mean Data: CCB4

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | 34.3 | 0.37 | µg/L | 0.323 | 0.37 | µg/L | 0.323 | 87.47% |
| AL 308 IEC | 3.6 | 39.67 | µg/L | 37.835 | 39.67 | µg/L | 37.835 | 95.38% |
| AL 308 LOW | 206.1 | 20.34 | µg/L | 3.462 | 20.34 | µg/L | 3.462 | 17.02% |
| AS 188 IEC | 1.0 | 3.69 | µg/L | 1.345 | 3.69 | µg/L | 1.345 | 36.48% |
| B 208 IEC | 52.5 | 27.72 | µg/L | 2.975 | 27.72 | µg/L | 2.975 | 10.73% |
| BA 233 IEC | 27.4 | 0.78 | µg/L | 0.227 | 0.78 | µg/L | 0.227 | 29.08% |
| BE 313 IEC | 1103.1 | 0.49 | µg/L | 0.083 | 0.49 | µg/L | 0.083 | 17.08% |
| CA 317 IEC | 31.3 | 55.42 | µg/L | 15.670 | 55.42 | µg/L | 15.670 | 28.27% |
| CD 226 IEC | 20.5 | 0.51 | µg/L | 0.063 | 0.51 | µg/L | 0.063 | 12.49% |
| CO 228 IEC | 7.5 | 0.62 | µg/L | 0.055 | 0.62 | µg/L | 0.055 | 8.96% |
| CR 267 IEC | -36.2 | -0.63 | µg/L | 0.378 | -0.63 | µg/L | 0.378 | 60.06% |
| CU 324 IEC | 1024.8 | 6.42 | µg/L | 0.102 | 6.42 | µg/L | 0.102 | 1.60% |
| FE 238 IEC | 1.6 | 10.23 | µg/L | 0.969 | 10.23 | µg/L | 0.969 | 9.48% |
| FE 238 LOW | 381.4 | 9.71 | µg/L | 1.701 | 9.71 | µg/L | 1.701 | 17.51% |
| K 766 IEC | -45.6 | -20.90 | µg/L | 14.238 | -20.90 | µg/L | 14.238 | 68.11% |
| LI 670 IEC | 43.4 | 1.68 | µg/L | 0.590 | 1.68 | µg/L | 0.590 | 35.02% |
| MG 279 IEC | 2.2 | 18.97 | µg/L | 10.301 | 18.97 | µg/L | 10.301 | 54.30% |
| MN 257 IEC | 696.0 | 2.78 | µg/L | 0.306 | 2.78 | µg/L | 0.306 | 11.04% |
| MO 202 IEC | 3.9 | 1.05 | µg/L | 0.531 | 1.05 | µg/L | 0.531 | 50.84% |
| NA 589 IEC | 936.6 | 303.02 | µg/L | 37.792 | 303.02 | µg/L | 37.792 | 12.47% |
| NI 231 IEC | 1.7 | 0.17 | µg/L | 0.049 | 0.17 | µg/L | 0.049 | 28.91% |
| PB 220 IEC | -1.5 | -0.64 | µg/L | 2.016 | -0.64 | µg/L | 2.016 | 316.40% |
| SB 217 IEC | 0.3 | 0.23 | µg/L | 1.590 | 0.23 | µg/L | 1.590 | 683.44% |
| SE 196 IEC | 2.9 | 7.15 | µg/L | 3.016 | 7.15 | µg/L | 3.016 | 42.17% |
| SN 189 IEC | 2.4 | 3.10 | µg/L | 0.257 | 3.10 | µg/L | 0.257 | 8.31% |
| SR 407 IEC | 39.0 | 0.55 | µg/L | 0.095 | 0.55 | µg/L | 0.095 | 17.38% |
| TI 334 IEC | 266.9 | 0.59 | µg/L | 0.006 | 0.59 | µg/L | 0.006 | 1.06% |
| TL 190 IEC | -0.9 | -3.46 | µg/L | 0.811 | -3.46 | µg/L | 0.811 | 23.40% |
| V 292 IEC | 29.0 | 0.28 | µg/L | 0.126 | 0.28 | µg/L | 0.126 | 45.27% |
| ZN 206 IEC | 8.2 | 0.82 | µg/L | 0.424 | 0.82 | µg/L | 0.424 | 51.73% |
| SI 251 IEC | 2.7 | 15.32 | µg/L | 2.936 | 15.32 | µg/L | 2.936 | 19.17% |

Sequence No.: 47
Sample ID: 20491427/MSD3
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 34
Date Collected: 12/21/2006 1:39:18 PM

Sample Prep Volume:
Data Type: Original

Mean Data: 20491427/MSD3

| Analyte | Mean Corrected Intensity | Conc. | Calib Units | Std.Dev. | Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | 43310.6 | 467.47 | µg/L | 4.131 | 467.47 | µg/L | 4.131 | 0.88% |
| AL 308 IEC | 2711.8 | 29959 | µg/L | 142.0 | 29959 | µg/L | 142.0 | 0.47% |
| AL 308 LOW | 299667.4 | 29577 | µg/L | 24.9 | 29577 | µg/L | 24.9 | 0.08% |
| AS 188 IEC | 263.3 | 1006.9 | µg/L | 3.42 | 1006.9 | µg/L | 3.42 | 0.34% |
| B 208 IEC | 2185.2 | 1153.9 | µg/L | 2.02 | 1153.9 | µg/L | 2.02 | 0.18% |
| BA 233 IEC | 69145.4 | 1966.8 | µg/L | 18.01 | 1966.8 | µg/L | 18.01 | 0.92% |
| BE 313 IEC | 2132170.3 | 944.59 | µg/L | 2.126 | 944.59 | µg/L | 2.126 | 0.23% |
| CA 317 IEC | 92438.3 | 163430 | µg/L | 3767.3 | 163430 | µg/L | 3767.3 | 2.31% |
| CD 226 IEC | 35768.7 | 886.29 | µg/L | 8.388 | 886.29 | µg/L | 8.388 | 0.95% |
| CO 228 IEC | 11024.4 | 905.45 | µg/L | 8.829 | 905.45 | µg/L | 8.829 | 0.98% |
| CR 267 IEC | 54311.5 | 943.27 | µg/L | 7.351 | 943.27 | µg/L | 7.351 | 0.78% |
| CU 324 IEC | 156132.2 | 978.13 | µg/L | 6.273 | 978.13 | µg/L | 6.273 | 0.64% |
| FE 238 IEC | 7068.9 | 43852 | µg/L | 108.3 | 43852 | µg/L | 108.3 | 0.25% |
| FE 238 LOW | 1617519.5 | 41181 | µg/L | 84.9 | 41181 | µg/L | 84.9 | 0.21% |
| K 766 IEC | 44712.7 | 20500 | µg/L | 618.6 | 20500 | µg/L | 618.6 | 3.02% |
| LI 670 IEC | 24719.6 | 958.46 | µg/L | 21.989 | 958.46 | µg/L | 21.989 | 2.29% |
| MG 279 IEC | 7981.2 | 68074 | µg/L | 375.9 | 68074 | µg/L | 375.9 | 0.55% |
| MN 257 IEC | 2004646.5 | 7995.8 | µg/L | 0.57 | 7995.8 | µg/L | 0.57 | 0.01% |
| MO 202 IEC | 3528.8 | 936.17 | µg/L | 1.407 | 936.17 | µg/L | 1.407 | 0.15% |
| NA 589 IEC | 502366.2 | 162540 | µg/L | 4184.1 | 162540 | µg/L | 4184.1 | 2.57% |
| NI 231 IEC | 9889.9 | 955.44 | µg/L | 15.092 | 955.44 | µg/L | 15.092 | 1.58% |
| PB 220 IEC | 2197.7 | 914.91 | µg/L | 0.179 | 914.91 | µg/L | 0.179 | 0.02% |
| SB 217 IEC | 1275.4 | 909.51 | µg/L | 7.434 | 909.51 | µg/L | 7.434 | 0.82% |
| SE 196 IEC | 407.0 | 986.08 | µg/L | 19.004 | 986.08 | µg/L | 19.004 | 1.93% |
| SN 189 IEC | 682.5 | 886.24 | µg/L | 2.744 | 886.24 | µg/L | 2.744 | 0.31% |
| SR 407 IEC | 106541.7 | 1498.7 | µg/L | 33.30 | 1498.7 | µg/L | 33.30 | 2.22% |
| TI 334 IEC | 539173.2 | 1191.1 | µg/L | 2.90 | 1191.1 | µg/L | 2.90 | 0.24% |
| TL 190 IEC | 226.0 | 823.74 | µg/L | 6.416 | 823.74 | µg/L | 6.416 | 0.78% |
| V 292 IEC | 104337.3 | 997.48 | µg/L | 8.862 | 997.48 | µg/L | 8.862 | 0.89% |
| ZN 206 IEC | 10231.8 | 1027.0 | µg/L | 13.13 | 1027.0 | µg/L | 13.13 | 1.28% |
| SI 251 IEC | 8514.2 | 48103 | µg/L | 408.0 | 48103 | µg/L | 408.0 | 0.85% |

Sequence No.: 48
Sample ID: 20488919
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 35
Date Collected: 12/21/2006 1:43:46 PM

Sample Prep Volume:
Data Type: Original

Mean Data: 20488919

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | 206.1 | 4.31 | µg/L | 0.230 | 4.31 | µg/L | 0.230 | 5.34% |
| AL 308 IEC | 29.9 | 330.84 | µg/L | 13.149 | 330.84 | µg/L | 13.149 | 3.97% |
| AL 308 LOW | 3234.3 | 319.23 | µg/L | 7.927 | 319.23 | µg/L | 7.927 | 2.48% |
| AS 188 IEC | 22.2 | 91.76 | µg/L | 15.639 | 91.76 | µg/L | 15.639 | 17.04% |
| B 208 IEC | 300.7 | 158.78 | µg/L | 3.772 | 158.78 | µg/L | 3.772 | 2.38% |
| BA 233 IEC | 47915.1 | 1362.9 | µg/L | 22.16 | 1362.9 | µg/L | 22.16 | 1.63% |
| BE 313 IEC | 853.0 | 0.38 | µg/L | 0.006 | 0.38 | µg/L | 0.006 | 1.63% |
| CA 317 IEC | 91405.2 | 161600 | µg/L | 862.5 | 161600 | µg/L | 862.5 | 0.53% |
| CD 226 IEC | 47.9 | 0.81 | µg/L | 0.149 | 0.81 | µg/L | 0.149 | 18.43% |
| CO 228 IEC | 94.0 | 7.72 | µg/L | 0.040 | 7.72 | µg/L | 0.040 | 0.52% |
| CR 267 IEC | 15.5 | 0.27 | µg/L | 0.049 | 0.27 | µg/L | 0.049 | 18.26% |
| CU 324 IEC | 1762.2 | 11.04 | µg/L | 0.491 | 11.04 | µg/L | 0.491 | 4.45% |
| FE 238 IEC | 1379.6 | 8558.6 | µg/L | 80.59 | 8558.6 | µg/L | 80.59 | 0.94% |
| FE 238 LOW | 311767.1 | 7937.4 | µg/L | 386.21 | 7937.4 | µg/L | 386.21 | 4.87% |
| K 766 IEC | 28690.5 | 13154 | µg/L | 79.9 | 13154 | µg/L | 79.9 | 0.61% |
| LI 670 IEC | 675.1 | 26.17 | µg/L | 0.843 | 26.17 | µg/L | 0.843 | 3.22% |
| MG 279 IEC | 5246.2 | 44747 | µg/L | 263.6 | 44747 | µg/L | 263.6 | 0.59% |
| MN 257 IEC | 2161836.0 | 8622.8 | µg/L | 417.95 | 8622.8 | µg/L | 417.95 | 4.85% |
| MO 202 IEC | 49.7 | 13.18 | µg/L | 1.075 | 13.18 | µg/L | 1.075 | 8.15% |
| NA 589 IEC | 2922977.3 | 945710 | µg/L | 1517.1 | 945710 | µg/L | 1517.1 | 0.16% |
| NI 231 IEC | 88.4 | 8.54 | µg/L | 0.910 | 8.54 | µg/L | 0.910 | 10.66% |
| PB 220 IEC | -2.2 | -0.90 | µg/L | 0.046 | -0.90 | µg/L | 0.046 | 5.05% |
| SB 217 IEC | -17.5 | -6.30 | µg/L | 2.856 | -6.30 | µg/L | 2.856 | 45.35% |
| SE 196 IEC | 16.4 | 25.50 | µg/L | 5.042 | 25.50 | µg/L | 5.042 | 19.78% |
| SN 189 IEC | -54.1 | -70.32 | µg/L | 0.553 | -70.32 | µg/L | 0.553 | 0.79% |
| SR 407 IEC | 73670.5 | 1036.3 | µg/L | 7.96 | 1036.3 | µg/L | 7.96 | 0.77% |
| TI 334 IEC | 535.7 | 1.18 | µg/L | 0.335 | 1.18 | µg/L | 0.335 | 28.31% |
| TL 190 IEC | -6.0 | -80.83 | µg/L | 14.378 | -80.83 | µg/L | 14.378 | 17.79% |
| V 292 IEC | 98.6 | 0.94 | µg/L | 0.676 | 0.94 | µg/L | 0.676 | 71.76% |
| ZN 206 IEC | 82.0 | 8.24 | µg/L | 0.005 | 8.24 | µg/L | 0.005 | 0.06% |
| SI 251 IEC | 2487.3 | 13639 | µg/L | 69.5 | 13639 | µg/L | 69.5 | 0.51% |

Sequence No.: 49
Sample ID: 20488923
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 36
Date Collected: 12/21/2006 1:48:51 PM

Sample Prep Volume:
Data Type: Original

Mean Data: 20488923

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | 145.7 | 3.21 | µg/L | 0.117 | 3.21 | µg/L | 0.117 | 3.66% |
| AL 308 IEC | 646.5 | 7142.5 | µg/L | 74.50 | 7142.5 | µg/L | 74.50 | 1.04% |
| AL 308 LOW | 72547.0 | 7160.4 | µg/L | 87.80 | 7160.4 | µg/L | 87.80 | 1.23% |
| AS 188 IEC | 95.0 | 366.20 | µg/L | 26.823 | 366.20 | µg/L | 26.823 | 7.32% |
| B 208 IEC | 367.0 | 193.81 | µg/L | 0.014 | 193.81 | µg/L | 0.014 | 0.01% |
| BA 233 IEC | 27446.7 | 780.70 | µg/L | 12.575 | 780.70 | µg/L | 12.575 | 1.61% |
| BE 313 IEC | 1122.5 | 0.50 | µg/L | 0.008 | 0.50 | µg/L | 0.008 | 1.53% |
| CA 317 IEC | 71607.6 | 126600 | µg/L | 100.0 | 126600 | µg/L | 100.0 | 0.08% |
| CD 226 IEC | 78.8 | 1.05 | µg/L | 0.063 | 1.05 | µg/L | 0.063 | 5.98% |
| CO 228 IEC | 99.2 | 8.15 | µg/L | 0.020 | 8.15 | µg/L | 0.020 | 0.24% |
| CR 267 IEC | 467.1 | 8.11 | µg/L | 0.554 | 8.11 | µg/L | 0.554 | 6.83% |
| CU 324 IEC | 2160.6 | 13.54 | µg/L | 0.686 | 13.54 | µg/L | 0.686 | 5.07% |
| FE 238 IEC | 3291.4 | 20418 | µg/L | 78.5 | 20418 | µg/L | 78.5 | 0.38% |
| FE 238 LOW | 746371.5 | 19002 | µg/L | 120.3 | 19002 | µg/L | 120.3 | 0.63% |
| K 766 IEC | 17139.7 | 7858.2 | µg/L | 107.09 | 7858.2 | µg/L | 107.09 | 1.36% |
| LI 670 IEC | 417.8 | 16.20 | µg/L | 1.099 | 16.20 | µg/L | 1.099 | 6.78% |
| MG 279 IEC | 5479.7 | 46738 | µg/L | 245.0 | 46738 | µg/L | 245.0 | 0.52% |
| MN 257 IEC | 1611885.8 | 6429.3 | µg/L | 52.02 | 6429.3 | µg/L | 52.02 | 0.81% |
| MO 202 IEC | 91.6 | 24.15 | µg/L | 1.065 | 24.15 | µg/L | 1.065 | 4.41% |
| NA 589 IEC | 280755.6 | 90836 | µg/L | 220.8 | 90836 | µg/L | 220.8 | 0.24% |
| NI 231 IEC | 160.9 | 15.55 | µg/L | 0.951 | 15.55 | µg/L | 0.951 | 6.12% |
| PB 220 IEC | 15.1 | 6.63 | µg/L | 1.957 | 6.63 | µg/L | 1.957 | 29.52% |
| SB 217 IEC | -14.8 | -3.25 | µg/L | 0.765 | -3.25 | µg/L | 0.765 | 23.53% |
| SE 196 IEC | 18.0 | 36.50 | µg/L | 12.919 | 36.50 | µg/L | 12.919 | 35.39% |
| SN 189 IEC | -55.5 | -72.07 | µg/L | 0.039 | -72.07 | µg/L | 0.039 | 0.05% |
| SR 407 IEC | 49781.3 | 700.26 | µg/L | 4.638 | 700.26 | µg/L | 4.638 | 0.66% |
| TI 334 IEC | 64860.7 | 143.29 | µg/L | 2.783 | 143.29 | µg/L | 2.783 | 1.94% |
| TL 190 IEC | 0.6 | -42.88 | µg/L | 9.530 | -42.88 | µg/L | 9.530 | 22.22% |
| V 292 IEC | 1943.0 | 18.58 | µg/L | 0.433 | 18.58 | µg/L | 0.433 | 2.33% |
| ZN 206 IEC | 380.1 | 38.15 | µg/L | 0.375 | 38.15 | µg/L | 0.375 | 0.98% |
| SI 251 IEC | 4603.5 | 25897 | µg/L | 85.7 | 25897 | µg/L | 85.7 | 0.33% |

Sequence No.: 50
Sample ID: 20488924
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 37
Date Collected: 12/21/2006 1:53:51 PM

Sample Prep Volume:
Data Type: Original

Mean Data: 20488924

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | 57.7 | 2.23 | µg/L | 0.595 | 2.23 | µg/L | 0.595 | 26.67% |
| AL 308 IEC | 430.0 | 4750.2 | µg/L | 48.72 | 4750.2 | µg/L | 48.72 | 1.03% |
| AL 308 LOW | 47762.1 | 4714.1 | µg/L | 64.02 | 4714.1 | µg/L | 64.02 | 1.36% |
| AS 188 IEC | 93.6 | 360.63 | µg/L | 5.576 | 360.63 | µg/L | 5.576 | 1.55% |
| B 208 IEC | 356.5 | 188.27 | µg/L | 2.596 | 188.27 | µg/L | 2.596 | 1.38% |
| BA 233 IEC | 26341.1 | 749.25 | µg/L | 10.273 | 749.25 | µg/L | 10.273 | 1.37% |
| BE 313 IEC | 716.3 | 0.32 | µg/L | 0.045 | 0.32 | µg/L | 0.045 | 14.28% |
| CA 317 IEC | 70098.1 | 123930 | µg/L | 818.9 | 123930 | µg/L | 818.9 | 0.66% |
| CD 226 IEC | 78.3 | 1.15 | µg/L | 0.247 | 1.15 | µg/L | 0.247 | 21.45% |
| CO 228 IEC | 80.9 | 6.65 | µg/L | 0.466 | 6.65 | µg/L | 0.466 | 7.00% |
| CR 267 IEC | 324.4 | 5.63 | µg/L | 0.089 | 5.63 | µg/L | 0.089 | 1.58% |
| CU 324 IEC | 1670.8 | 10.47 | µg/L | 0.070 | 10.47 | µg/L | 0.070 | 0.67% |
| FE 238 IEC | 2878.1 | 17854 | µg/L | 2.0 | 17854 | µg/L | 2.0 | 0.01% |
| FE 238 LOW | 667249.7 | 16988 | µg/L | 470.0 | 16988 | µg/L | 470.0 | 2.77% |
| K 766 IEC | 15790.6 | 7239.6 | µg/L | 69.29 | 7239.6 | µg/L | 69.29 | 0.96% |
| LI 670 IEC | 390.7 | 15.15 | µg/L | 1.486 | 15.15 | µg/L | 1.486 | 9.81% |
| MG 279 IEC | 5250.7 | 44785 | µg/L | 100.3 | 44785 | µg/L | 100.3 | 0.22% |
| MN 257 IEC | 1563396.2 | 6235.9 | µg/L | 145.26 | 6235.9 | µg/L | 145.26 | 2.33% |
| MO 202 IEC | 62.7 | 16.55 | µg/L | 1.015 | 16.55 | µg/L | 1.015 | 6.13% |
| NA 589 IEC | 272220.1 | 88075 | µg/L | 633.8 | 88075 | µg/L | 633.8 | 0.72% |
| NI 231 IEC | 143.8 | 13.89 | µg/L | 0.022 | 13.89 | µg/L | 0.022 | 0.16% |
| PB 220 IEC | 16.9 | 7.26 | µg/L | 1.299 | 7.26 | µg/L | 1.299 | 17.91% |
| SB 217 IEC | -13.4 | -2.75 | µg/L | 2.045 | -2.75 | µg/L | 2.045 | 74.37% |
| SE 196 IEC | 20.9 | 43.26 | µg/L | 6.327 | 43.26 | µg/L | 6.327 | 14.62% |
| SN 189 IEC | -57.7 | -74.92 | µg/L | 3.924 | -74.92 | µg/L | 3.924 | 5.24% |
| SR 407 IEC | 48469.1 | 681.80 | µg/L | 6.242 | 681.80 | µg/L | 6.242 | 0.92% |
| TI 334 IEC | 31553.1 | 69.71 | µg/L | 3.061 | 69.71 | µg/L | 3.061 | 4.39% |
| TL 190 IEC | -0.8 | -47.49 | µg/L | 14.804 | -47.49 | µg/L | 14.804 | 31.17% |
| V 292 IEC | 1582.2 | 15.13 | µg/L | 0.343 | 15.13 | µg/L | 0.343 | 2.27% |
| ZN 206 IEC | 346.7 | 34.79 | µg/L | 0.367 | 34.79 | µg/L | 0.367 | 1.05% |
| SI 251 IEC | 3931.3 | 22045 | µg/L | 13.5 | 22045 | µg/L | 13.5 | 0.06% |

Sequence No.: 51
Sample ID: 20488925
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 38
Date Collected: 12/21/2006 1:58:53 PM

Sample Prep Volume:
Data Type: Original

Mean Data: 20488925

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | -6.4 | -0.06 | µg/L | 0.236 | -0.06 | µg/L | 0.236 | 414.78% |
| AL 308 IEC | 26.3 | 290.50 | µg/L | 18.927 | 290.50 | µg/L | 18.927 | 6.52% |
| AL 308 LOW | 2492.5 | 246.02 | µg/L | 0.797 | 246.02 | µg/L | 0.797 | 0.32% |
| AS 188 IEC | 0.3 | 1.22 | µg/L | 3.536 | 1.22 | µg/L | 3.536 | 289.91% |
| B 208 IEC | 38.1 | 20.13 | µg/L | 0.129 | 20.13 | µg/L | 0.129 | 0.64% |
| BA 233 IEC | 151.9 | 4.32 | µg/L | 0.142 | 4.32 | µg/L | 0.142 | 3.28% |
| BE 313 IEC | -301.6 | -0.13 | µg/L | 0.028 | -0.13 | µg/L | 0.028 | 20.77% |
| CA 317 IEC | 507.5 | 897.23 | µg/L | 16.547 | 897.23 | µg/L | 16.547 | 1.84% |
| CD 226 IEC | -4.6 | -0.13 | µg/L | 0.019 | -0.13 | µg/L | 0.019 | 14.44% |
| CO 228 IEC | 1.3 | 0.11 | µg/L | 0.213 | 0.11 | µg/L | 0.213 | 198.49% |
| CR 267 IEC | 81.8 | 1.42 | µg/L | 0.073 | 1.42 | µg/L | 0.073 | 5.15% |
| CU 324 IEC | 174.7 | 1.09 | µg/L | 0.593 | 1.09 | µg/L | 0.593 | 54.16% |
| FE 238 IEC | 56.4 | 350.10 | µg/L | 1.602 | 350.10 | µg/L | 1.602 | 0.46% |
| FE 238 LOW | 13637.8 | 347.21 | µg/L | 1.279 | 347.21 | µg/L | 1.279 | 0.37% |
| K 766 IEC | 103.2 | 47.29 | µg/L | 23.220 | 47.29 | µg/L | 23.220 | 49.10% |
| LI 670 IEC | -24.1 | -0.94 | µg/L | 1.242 | -0.94 | µg/L | 1.242 | 132.74% |
| MG 279 IEC | 10.6 | 90.24 | µg/L | 22.609 | 90.24 | µg/L | 22.609 | 25.06% |
| MN 257 IEC | 2673.1 | 10.66 | µg/L | 0.007 | 10.66 | µg/L | 0.007 | 0.07% |
| MO 202 IEC | -1.1 | -0.31 | µg/L | 0.097 | -0.31 | µg/L | 0.097 | 31.46% |
| NA 589 IEC | 1522.6 | 492.62 | µg/L | 34.712 | 492.62 | µg/L | 34.712 | 7.05% |
| NI 231 IEC | 5.1 | 0.49 | µg/L | 0.901 | 0.49 | µg/L | 0.901 | 183.58% |
| PB 220 IEC | -0.6 | -0.24 | µg/L | 0.202 | -0.24 | µg/L | 0.202 | 83.63% |
| SB 217 IEC | -9.2 | -6.41 | µg/L | 1.269 | -6.41 | µg/L | 1.269 | 19.81% |
| SE 196 IEC | 6.1 | 14.83 | µg/L | 5.597 | 14.83 | µg/L | 5.597 | 37.75% |
| SN 189 IEC | -0.5 | -0.64 | µg/L | 0.473 | -0.64 | µg/L | 0.473 | 73.28% |
| SR 407 IEC | 108.8 | 1.53 | µg/L | 0.187 | 1.53 | µg/L | 0.187 | 12.22% |
| TI 334 IEC | 2448.4 | 5.41 | µg/L | 0.095 | 5.41 | µg/L | 0.095 | 1.76% |
| TL 190 IEC | 0.2 | 0.53 | µg/L | 0.861 | 0.53 | µg/L | 0.861 | 161.65% |
| V 292 IEC | 28.9 | 0.28 | µg/L | 0.386 | 0.28 | µg/L | 0.386 | 139.95% |
| ZN 206 IEC | 32.1 | 3.22 | µg/L | 0.632 | 3.22 | µg/L | 0.632 | 19.62% |
| SI 251 IEC | 312.4 | 1803.2 | µg/L | 6.59 | 1803.2 | µg/L | 6.59 | 0.37% |

Sequence No.: 52
Sample ID: 20489231
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 39
Date Collected: 12/21/2006 2:03:47 PM
Sample Prep Volume:
Data Type: Original

Mean Data: 20489231

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | -218.4 | 1.79 | µg/L | 0.675 | 1.79 | µg/L | 0.675 | 37.76% |
| AL 308 IEC | 23.6 | 261.20 | µg/L | 12.750 | 261.20 | µg/L | 12.750 | 4.88% |
| AL 308 LOW | 2556.5 | 252.33 | µg/L | 23.280 | 252.33 | µg/L | 23.280 | 9.23% |
| AS 188 IEC | 3.1 | -2.25 | µg/L | 5.621 | -2.25 | µg/L | 5.621 | 250.05% |
| B 208 IEC | 2736.4 | 1445.0 | µg/L | 15.20 | 1445.0 | µg/L | 15.20 | 1.05% |
| BA 233 IEC | 5156.3 | 146.67 | µg/L | 1.098 | 146.67 | µg/L | 1.098 | 0.75% |
| BE 313 IEC | 100.1 | 0.04 | µg/L | 0.036 | 0.04 | µg/L | 0.036 | 80.16% |
| CA 317 IEC | 180097.4 | 318410 | µg/L | 5807.2 | 318410 | µg/L | 5807.2 | 1.82% |
| CD 226 IEC | 21.8 | 0.53 | µg/L | 0.083 | 0.53 | µg/L | 0.083 | 15.63% |
| CO 228 IEC | 28.0 | 2.30 | µg/L | 0.527 | 2.30 | µg/L | 0.527 | 22.94% |
| CR 267 IEC | -13.3 | -0.23 | µg/L | 0.549 | -0.23 | µg/L | 0.549 | 237.09% |
| CU 324 IEC | -63.7 | -0.40 | µg/L | 0.239 | -0.40 | µg/L | 0.239 | 59.96% |
| FE 238 IEC | 36.6 | 226.82 | µg/L | 5.220 | 226.82 | µg/L | 5.220 | 2.30% |
| FE 238 LOW | 8259.8 | 210.29 | µg/L | 9.562 | 210.29 | µg/L | 9.562 | 4.55% |
| K 766 IEC | 678482.7 | 311070 | µg/L | 10877.5 | 311070 | µg/L | 10877.5 | 3.50% |
| LI 670 IEC | 5774.6 | 223.90 | µg/L | 1.080 | 223.90 | µg/L | 1.080 | 0.48% |
| MG 279 IEC | 100258.1 | 855130 | µg/L | 16076.5 | 855130 | µg/L | 16076.5 | 1.88% |
| MN 257 IEC | 6423.2 | 25.62 | µg/L | 1.110 | 25.62 | µg/L | 1.110 | 4.33% |
| MO 202 IEC | -5.1 | -1.35 | µg/L | 0.244 | -1.35 | µg/L | 0.244 | 18.01% |
| NA 589 IEC | Saturated2 | | | | | | | |
| Saturated in preshot (code 2) | | | | | | | | |
| NI 231 IEC | 24.4 | 2.36 | µg/L | 0.023 | 2.36 | µg/L | 0.023 | 0.99% |
| PB 220 IEC | -14.3 | -5.92 | µg/L | 3.034 | -5.92 | µg/L | 3.034 | 51.23% |
| SB 217 IEC | -18.6 | -4.26 | µg/L | 0.138 | -4.26 | µg/L | 0.138 | 3.25% |
| SE 196 IEC | 24.3 | 26.15 | µg/L | 27.075 | 26.15 | µg/L | 27.075 | 103.55% |
| SN 189 IEC | -104.1 | -135.23 | µg/L | 1.010 | -135.23 | µg/L | 1.010 | 0.75% |
| SR 407 IEC | 394437.7 | 5548.5 | µg/L | 98.17 | 5548.5 | µg/L | 98.17 | 1.77% |
| TI 334 IEC | 743.6 | 1.64 | µg/L | 0.459 | 1.64 | µg/L | 0.459 | 27.92% |
| TL 190 IEC | 17.2 | -46.33 | µg/L | 22.345 | -46.33 | µg/L | 22.345 | 48.23% |
| V 292 IEC | 167.9 | 1.61 | µg/L | 0.391 | 1.61 | µg/L | 0.391 | 24.35% |
| ZN 206 IEC | -5.0 | -0.51 | µg/L | 0.416 | -0.51 | µg/L | 0.416 | 82.26% |
| SI 251 IEC | 228.7 | -3054.9 | µg/L | 86.99 | -3054.9 | µg/L | 86.99 | 2.85% |

Sequence No.: 53
Sample ID: 20489238
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 40
Date Collected: 12/21/2006 2:08:51 PM

Sample Prep Volume:
Data Type: Original

Mean Data: 20489238

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | -129.1 | 0.56 | µg/L | 0.094 | 0.56 | µg/L | 0.094 | 16.69% |
| AL 308 IEC | 147.9 | 1633.7 | µg/L | 27.62 | 1633.7 | µg/L | 27.62 | 1.69% |
| AL 308 LOW | 17414.1 | 1718.8 | µg/L | 36.52 | 1718.8 | µg/L | 36.52 | 2.12% |
| AS 188 IEC | 2.4 | 8.33 | µg/L | 12.665 | 8.33 | µg/L | 12.665 | 152.11% |
| B 208 IEC | 1104.0 | 582.98 | µg/L | 6.772 | 582.98 | µg/L | 6.772 | 1.16% |
| BA 233 IEC | 11319.8 | 321.98 | µg/L | 3.799 | 321.98 | µg/L | 3.799 | 1.18% |
| BE 313 IEC | -303.8 | -0.13 | µg/L | 0.016 | -0.13 | µg/L | 0.016 | 12.00% |
| CA 317 IEC | 85016.6 | 150310 | µg/L | 2348.3 | 150310 | µg/L | 2348.3 | 1.56% |
| CD 226 IEC | 27.4 | 0.62 | µg/L | 0.068 | 0.62 | µg/L | 0.068 | 11.05% |
| CO 228 IEC | 21.9 | 1.80 | µg/L | 0.101 | 1.80 | µg/L | 0.101 | 5.62% |
| CR 267 IEC | 95.4 | 1.66 | µg/L | 0.020 | 1.66 | µg/L | 0.020 | 1.23% |
| CU 324 IEC | 138.1 | 0.87 | µg/L | 0.122 | 0.87 | µg/L | 0.122 | 14.12% |
| FE 238 IEC | 230.5 | 1430.2 | µg/L | 13.76 | 1430.2 | µg/L | 13.76 | 0.96% |
| FE 238 LOW | 53016.6 | 1349.8 | µg/L | 22.62 | 1349.8 | µg/L | 22.62 | 1.68% |
| K 766 IEC | 172889.9 | 79266 | µg/L | 1330.7 | 79266 | µg/L | 1330.7 | 1.68% |
| LI 670 IEC | 1445.8 | 56.06 | µg/L | 0.198 | 56.06 | µg/L | 0.198 | 0.35% |
| MG 279 IEC | 29124.6 | 248410 | µg/L | 3795.4 | 248410 | µg/L | 3795.4 | 1.53% |
| MN 257 IEC | 72714.7 | 290.03 | µg/L | 3.899 | 290.03 | µg/L | 3.899 | 1.34% |
| MO 202 IEC | 15.2 | 4.00 | µg/L | 0.098 | 4.00 | µg/L | 0.098 | 2.46% |
| NA 589 IEC | Saturated2 | | | | | | | |
| Saturated in preshot (code 2) | | | | | | | | |
| NI 231 IEC | 15.3 | 1.47 | µg/L | 0.577 | 1.47 | µg/L | 0.577 | 39.14% |
| PB 220 IEC | 3.0 | 1.33 | µg/L | 1.946 | 1.33 | µg/L | 1.946 | 146.75% |
| SB 217 IEC | -12.4 | -4.30 | µg/L | 3.015 | -4.30 | µg/L | 3.015 | 70.12% |
| SE 196 IEC | 23.5 | 41.90 | µg/L | 28.862 | 41.90 | µg/L | 28.862 | 68.88% |
| SN 189 IEC | -99.8 | -129.54 | µg/L | 5.732 | -129.54 | µg/L | 5.732 | 4.42% |
| SR 407 IEC | 119303.5 | 1678.2 | µg/L | 33.53 | 1678.2 | µg/L | 33.53 | 2.00% |
| TI 334 IEC | 9585.6 | 21.18 | µg/L | 0.485 | 21.18 | µg/L | 0.485 | 2.29% |
| TL 190 IEC | 15.0 | 5.00 | µg/L | 16.710 | 5.00 | µg/L | 16.710 | 334.44% |
| V 292 IEC | 268.8 | 2.57 | µg/L | 0.089 | 2.57 | µg/L | 0.089 | 3.48% |
| ZN 206 IEC | 287.7 | 28.88 | µg/L | 0.560 | 28.88 | µg/L | 0.560 | 1.94% |
| SI 251 IEC | 1010.9 | 4379.6 | µg/L | 50.54 | 4379.6 | µg/L | 50.54 | 1.15% |

Sequence No.: 54
Sample ID: 20489074
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 41
Date Collected: 12/21/2006 2:13:40 PM

Sample Prep Volume:
Data Type: Original

Mean Data: 20489074

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Calib Std.Dev. | Sample Conc. | Sample Units | Sample Std.Dev. | Sample RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | 21.0 | 0.26 | µg/L | 0.480 | 0.26 | µg/L | 0.480 | 184.47% |
| AL 308 IEC | 25.4 | 280.43 | µg/L | 19.715 | 280.43 | µg/L | 19.715 | 7.03% |
| AL 308 LOW | 2708.7 | 267.35 | µg/L | 4.927 | 267.35 | µg/L | 4.927 | 1.84% |
| AS 188 IEC | 0.6 | 2.46 | µg/L | 3.220 | 2.46 | µg/L | 3.220 | 130.80% |
| B 208 IEC | 114.6 | 60.50 | µg/L | 0.496 | 60.50 | µg/L | 0.496 | 0.82% |
| BA 233 IEC | 406.9 | 11.57 | µg/L | 0.120 | 11.57 | µg/L | 0.120 | 1.04% |
| BE 313 IEC | -478.4 | -0.21 | µg/L | 0.002 | -0.21 | µg/L | 0.002 | 0.85% |
| CA 317 IEC | 1515.4 | 2679.3 | µg/L | 31.86 | 2679.3 | µg/L | 31.86 | 1.19% |
| CD 226 IEC | 15.1 | 0.09 | µg/L | 0.113 | 0.09 | µg/L | 0.113 | 128.70% |
| CO 228 IEC | 7.4 | 0.61 | µg/L | 0.070 | 0.61 | µg/L | 0.070 | 11.54% |
| CR 267 IEC | 19.8 | 0.34 | µg/L | 0.438 | 0.34 | µg/L | 0.438 | 127.10% |
| CU 324 IEC | 184.9 | 1.16 | µg/L | 0.167 | 1.16 | µg/L | 0.167 | 14.40% |
| FE 238 IEC | 1041.3 | 6459.7 | µg/L | 107.70 | 6459.7 | µg/L | 107.70 | 1.67% |
| FE 238 LOW | 254208.6 | 6472.0 | µg/L | 182.22 | 6472.0 | µg/L | 182.22 | 2.82% |
| K 766 IEC | 4663.5 | 2138.1 | µg/L | 5.66 | 2138.1 | µg/L | 5.66 | 0.26% |
| LI 670 IEC | 153.9 | 5.97 | µg/L | 0.621 | 5.97 | µg/L | 0.621 | 10.41% |
| MG 279 IEC | 189.5 | 1616.2 | µg/L | 33.98 | 1616.2 | µg/L | 33.98 | 2.10% |
| MN 257 IEC | 48718.6 | 194.32 | µg/L | 5.085 | 194.32 | µg/L | 5.085 | 2.62% |
| MO 202 IEC | -2.4 | -0.66 | µg/L | 0.379 | -0.66 | µg/L | 0.379 | 57.83% |
| NA 589 IEC | 64622.9 | 20908 | µg/L | 439.5 | 20908 | µg/L | 439.5 | 2.10% |
| NI 231 IEC | 12.8 | 1.24 | µg/L | 0.379 | 1.24 | µg/L | 0.379 | 30.67% |
| PB 220 IEC | -3.9 | -1.61 | µg/L | 1.840 | -1.61 | µg/L | 1.840 | 114.45% |
| SB 217 IEC | -8.4 | -4.65 | µg/L | 2.388 | -4.65 | µg/L | 2.388 | 51.37% |
| SE 196 IEC | 7.4 | 19.58 | µg/L | 0.465 | 19.58 | µg/L | 0.465 | 2.38% |
| SN 189 IEC | -3.0 | -3.91 | µg/L | 2.278 | -3.91 | µg/L | 2.278 | 58.27% |
| SR 407 IEC | 3688.6 | 51.89 | µg/L | 0.020 | 51.89 | µg/L | 0.020 | 0.04% |
| TI 334 IEC | 1475.7 | 3.26 | µg/L | 0.019 | 3.26 | µg/L | 0.019 | 0.59% |
| TL 190 IEC | -1.8 | -7.94 | µg/L | 8.115 | -7.94 | µg/L | 8.115 | 102.23% |
| V 292 IEC | 191.9 | 1.83 | µg/L | 0.061 | 1.83 | µg/L | 0.061 | 3.34% |
| ZN 206 IEC | 1059.3 | 106.33 | µg/L | 0.035 | 106.33 | µg/L | 0.035 | 0.03% |
| SI 251 IEC | 253.9 | 1404.5 | µg/L | 18.67 | 1404.5 | µg/L | 18.67 | 1.33% |

Sequence No.: 55
Sample ID: ICSA2
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 12/21/2006 2:18:33 PM
Sample Prep Volume:
Data Type: Original

Mean Data: ICSA2

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | -156.7 | 4.60 | µg/L | 0.003 | 4.60 | µg/L | 0.003 | 0.06% |
| AL 308 IEC | 46500.7 | 513720 | µg/L | 13353.3 | 513720 | µg/L | 13353.3 | 2.60% |
| AL 308 LOW | 5140358.0 | 507360 | µg/L | 4553.7 | 507360 | µg/L | 4553.7 | 0.90% |
| AS 188 IEC | 0.7 | 11.27 | µg/L | 0.801 | 11.27 | µg/L | 0.801 | 7.11% |
| B 208 IEC | 55.6 | 29.38 | µg/L | 1.677 | 29.38 | µg/L | 1.677 | 5.71% |
| BA 233 IEC | 346.9 | 9.87 | µg/L | 0.216 | 9.87 | µg/L | 0.216 | 2.19% |
| BE 313 IEC | -383.0 | -0.17 | µg/L | 0.026 | -0.17 | µg/L | 0.026 | 15.46% |
| CA 317 IEC | 273575.6 | 483680 | µg/L | 13258.3 | 483680 | µg/L | 13258.3 | 2.74% |
| CD 226 IEC | 555.7 | 5.50 | µg/L | 0.168 | 5.50 | µg/L | 0.168 | 3.05% |
| CO 228 IEC | 76.7 | 6.30 | µg/L | 0.238 | 6.30 | µg/L | 0.238 | 3.78% |
| CR 267 IEC | 3550.3 | 61.66 | µg/L | 0.270 | 61.66 | µg/L | 0.270 | 0.44% |
| CU 324 IEC | 312.5 | 1.96 | µg/L | 0.004 | 1.96 | µg/L | 0.004 | 0.19% |
| FE 238 IEC | 30221.7 | 187480 | µg/L | 5273.0 | 187480 | µg/L | 5273.0 | 2.81% |
| FE 238 LOW | 6334476.8 | 161270 | µg/L | 984.0 | 161270 | µg/L | 984.0 | 0.61% |
| K 766 IEC | 33.1 | 15.16 | µg/L | 8.871 | 15.16 | µg/L | 8.871 | 58.52% |
| LI 670 IEC | 33.7 | 1.31 | µg/L | 1.481 | 1.31 | µg/L | 1.481 | 113.27% |
| MG 279 IEC | 56831.3 | 484730 | µg/L | 11977.3 | 484730 | µg/L | 11977.3 | 2.47% |
| MN 257 IEC | 1476.7 | 5.89 | µg/L | 0.030 | 5.89 | µg/L | 0.030 | 0.51% |
| Saturated outside survey window (code 6) | | | | | | | | |
| MO 202 IEC | -14.2 | -14.93 | µg/L | 0.892 | -14.93 | µg/L | 0.892 | 5.98% |
| NA 589 IEC | 8038.4 | 2600.7 | µg/L | 42.21 | 2600.7 | µg/L | 42.21 | 1.62% |
| NI 231 IEC | 29.2 | 2.82 | µg/L | 0.604 | 2.82 | µg/L | 0.604 | 21.41% |
| PB 220 IEC | -55.2 | 2.14 | µg/L | 1.465 | 2.14 | µg/L | 1.465 | 68.49% |
| SB 217 IEC | -59.5 | 5.36 | µg/L | 2.925 | 5.36 | µg/L | 2.925 | 54.58% |
| SE 196 IEC | -7.3 | -13.54 | µg/L | 8.413 | -13.54 | µg/L | 8.413 | 62.13% |
| SN 189 IEC | -104.6 | -135.77 | µg/L | 7.847 | -135.77 | µg/L | 7.847 | 5.78% |
| SR 407 IEC | 1295.0 | 18.22 | µg/L | 0.774 | 18.22 | µg/L | 0.774 | 4.25% |
| TI 334 IEC | -1517.6 | -3.35 | µg/L | 0.166 | -3.35 | µg/L | 0.166 | 4.95% |
| TL 190 IEC | 18.7 | -99.42 | µg/L | 20.612 | -99.42 | µg/L | 20.612 | 20.73% |
| V 292 IEC | 335.4 | 3.21 | µg/L | 0.593 | 3.21 | µg/L | 0.593 | 18.51% |
| ZN 206 IEC | 85.8 | 8.61 | µg/L | 0.199 | 8.61 | µg/L | 0.199 | 2.32% |
| SI 251 IEC | 11.8 | -6405.8 | µg/L | 167.82 | -6405.8 | µg/L | 167.82 | 2.62% |

Sequence No.: 56
Sample ID: ICSAB2
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 12/21/2006 2:23:35 PM

Sample Prep Volume:
Data Type: Original

Mean Data: ICSAB2

| Analyte | Mean Corrected Intensity | Calib Conc. | Units | Std.Dev. | Sample Conc. | Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | 47952.0 | 521.46 | µg/L | 1.110 | 521.46 | µg/L | 1.110 | 0.21% |
| AL 308 IEC | 46553.0 | 514300 | µg/L | 15751.6 | 514300 | µg/L | 15751.6 | 3.06% |
| AL 308 LOW | 5096573.8 | 503030 | µg/L | 9153.8 | 503030 | µg/L | 9153.8 | 1.82% |
| AS 188 IEC | 249.0 | 954.52 | µg/L | 24.838 | 954.52 | µg/L | 24.838 | 2.60% |
| B 208 IEC | 1635.5 | 863.60 | µg/L | 6.510 | 863.60 | µg/L | 6.510 | 0.75% |
| BA 233 IEC | 33038.8 | 939.76 | µg/L | 8.971 | 939.76 | µg/L | 8.971 | 0.95% |
| BE 313 IEC | 2161290.8 | 957.49 | µg/L | 18.993 | 957.49 | µg/L | 18.993 | 1.98% |
| CA 317 IEC | 271620.8 | 480220 | µg/L | 12204.7 | 480220 | µg/L | 12204.7 | 2.54% |
| CD 226 IEC | 35545.0 | 874.36 | µg/L | 7.820 | 874.36 | µg/L | 7.820 | 0.89% |
| CO 228 IEC | 10819.0 | 888.58 | µg/L | 7.528 | 888.58 | µg/L | 7.528 | 0.85% |
| CR 267 IEC | 56117.6 | 974.64 | µg/L | 6.157 | 974.64 | µg/L | 6.157 | 0.63% |
| CU 324 IEC | 159777.9 | 1001.0 | µg/L | 4.82 | 1001.0 | µg/L | 4.82 | 0.48% |
| FE 238 IEC | 30271.2 | 187790 | µg/L | 4910.4 | 187790 | µg/L | 4910.4 | 2.61% |
| FE 238 LOW | 6322052.3 | 160960 | µg/L | 2593.1 | 160960 | µg/L | 2593.1 | 1.61% |
| K 766 IEC | -162.9 | -74.69 | µg/L | 18.130 | -74.69 | µg/L | 18.130 | 24.27% |
| LI 670 IEC | 27585.4 | 1069.6 | µg/L | 29.62 | 1069.6 | µg/L | 29.62 | 2.77% |
| MG 279 IEC | 57006.5 | 486230 | µg/L | 12032.0 | 486230 | µg/L | 12032.0 | 2.47% |
| MN 257 IEC | 229396.4 | 914.98 | µg/L | 5.568 | 914.98 | µg/L | 5.568 | 0.61% |
| MO 202 IEC | 3552.3 | 931.90 | µg/L | 5.181 | 931.90 | µg/L | 5.181 | 0.56% |
| NA 589 IEC | 5107.6 | 1652.5 | µg/L | 65.57 | 1652.5 | µg/L | 65.57 | 3.97% |
| NI 231 IEC | 9171.1 | 886.00 | µg/L | 5.133 | 886.00 | µg/L | 5.133 | 0.58% |
| PB 220 IEC | 2127.4 | 909.35 | µg/L | 9.176 | 909.35 | µg/L | 9.176 | 1.01% |
| SB 217 IEC | 1310.5 | 968.96 | µg/L | 6.822 | 968.96 | µg/L | 6.822 | 0.70% |
| SE 196 IEC | 371.7 | 908.99 | µg/L | 13.487 | 908.99 | µg/L | 13.487 | 1.48% |
| SN 189 IEC | 619.6 | 804.63 | µg/L | 4.745 | 804.63 | µg/L | 4.745 | 0.59% |
| SR 407 IEC | 73848.8 | 1038.8 | µg/L | 31.19 | 1038.8 | µg/L | 31.19 | 3.00% |
| TI 334 IEC | 439226.9 | 970.32 | µg/L | 4.880 | 970.32 | µg/L | 4.880 | 0.50% |
| TL 190 IEC | 242.5 | 775.18 | µg/L | 8.162 | 775.18 | µg/L | 8.162 | 1.05% |
| V 292 IEC | 100284.7 | 958.74 | µg/L | 6.407 | 958.74 | µg/L | 6.407 | 0.67% |
| ZN 206 IEC | 8748.4 | 878.10 | µg/L | 7.122 | 878.10 | µg/L | 7.122 | 0.81% |
| SI 251 IEC | 754.2 | -2102.1 | µg/L | 151.62 | -2102.1 | µg/L | 151.62 | 7.21% |

12/21/2006 2:30:16 PM Hg ReAlign... Actual peak offset (nm): -0.001
Drift (nm): -0.000 Slit adjustment: -2

Sequence No.: 58
Sample ID: CRI2
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 160
Date Collected: 12/21/2006 2:30:18 PM
Sample Prep Volume:
Data Type: Original

Mean Data: CRI2

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | 1048.6 | 11.27 | µg/L | 0.299 | 11.27 | µg/L | 0.299 | 2.66% |
| AL 308 IEC | 36.3 | 400.58 | µg/L | 26.893 | 400.58 | µg/L | 26.893 | 6.71% |
| AL 308 LOW | 3814.2 | 376.46 | µg/L | 1.835 | 376.46 | µg/L | 1.835 | 0.49% |
| AS 188 IEC | 4.9 | 18.70 | µg/L | 7.725 | 18.70 | µg/L | 7.725 | 41.31% |
| B 208 IEC | 73.7 | 38.93 | µg/L | 1.516 | 38.93 | µg/L | 1.516 | 3.89% |
| BA 233 IEC | 828.3 | 23.56 | µg/L | 0.179 | 23.56 | µg/L | 0.179 | 0.76% |
| BE 313 IEC | 52378.6 | 23.20 | µg/L | 0.373 | 23.20 | µg/L | 0.373 | 1.61% |
| CA 317 IEC | 220.6 | 389.97 | µg/L | 0.421 | 389.97 | µg/L | 0.421 | 0.11% |
| CD 226 IEC | 967.2 | 24.00 | µg/L | 0.025 | 24.00 | µg/L | 0.025 | 0.10% |
| CO 228 IEC | 303.4 | 24.92 | µg/L | 0.662 | 24.92 | µg/L | 0.662 | 2.66% |
| CR 267 IEC | 1376.9 | 23.91 | µg/L | 0.010 | 23.91 | µg/L | 0.010 | 0.04% |
| CU 324 IEC | 4219.8 | 26.44 | µg/L | 0.466 | 26.44 | µg/L | 0.466 | 1.76% |
| FE 238 IEC | 48.6 | 301.24 | µg/L | 3.100 | 301.24 | µg/L | 3.100 | 1.03% |
| FE 238 LOW | 12353.9 | 314.52 | µg/L | 0.790 | 314.52 | µg/L | 0.790 | 0.25% |
| K 766 IEC | 384.2 | 176.15 | µg/L | 7.172 | 176.15 | µg/L | 7.172 | 4.07% |
| LI 670 IEC | 618.4 | 23.98 | µg/L | 1.482 | 23.98 | µg/L | 1.482 | 6.18% |
| MG 279 IEC | 63.8 | 544.16 | µg/L | 6.526 | 544.16 | µg/L | 6.526 | 1.20% |
| MN 257 IEC | 6083.6 | 24.27 | µg/L | 0.235 | 24.27 | µg/L | 0.235 | 0.97% |
| MO 202 IEC | 86.3 | 22.91 | µg/L | 0.248 | 22.91 | µg/L | 0.248 | 1.08% |
| NA 589 IEC | 2611.0 | 844.78 | µg/L | 19.031 | 844.78 | µg/L | 19.031 | 2.25% |
| NI 231 IEC | 246.0 | 23.77 | µg/L | 0.253 | 23.77 | µg/L | 0.253 | 1.06% |
| PB 220 IEC | 57.8 | 24.03 | µg/L | 0.094 | 24.03 | µg/L | 0.094 | 0.39% |
| SB 217 IEC | 26.7 | 18.85 | µg/L | 0.962 | 18.85 | µg/L | 0.962 | 5.10% |
| SE 196 IEC | 17.1 | 41.58 | µg/L | 5.308 | 41.58 | µg/L | 5.308 | 12.77% |
| SN 189 IEC | 16.5 | 21.47 | µg/L | 0.440 | 21.47 | µg/L | 0.440 | 2.05% |
| SR 407 IEC | 1661.8 | 23.38 | µg/L | 0.539 | 23.38 | µg/L | 0.539 | 2.31% |
| TI 334 IEC | 10461.3 | 23.11 | µg/L | 0.532 | 23.11 | µg/L | 0.532 | 2.30% |
| TL 190 IEC | 4.0 | 15.29 | µg/L | 7.970 | 15.29 | µg/L | 7.970 | 52.11% |
| V 292 IEC | 2383.8 | 22.79 | µg/L | 0.193 | 22.79 | µg/L | 0.193 | 0.85% |
| ZN 206 IEC | 229.2 | 23.01 | µg/L | 0.400 | 23.01 | µg/L | 0.400 | 1.74% |
| SI 251 IEC | 13.7 | 72.46 | µg/L | 1.823 | 72.46 | µg/L | 1.823 | 2.52% |

Sequence No.: 59
Sample ID: CCV5
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 12/21/2006 2:35:12 PM

Sample Prep Volume:
Data Type: Original

Mean Data: CCV5

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | 46647.7 | 501.34 | µg/L | 1.938 | 501.34 | µg/L | 1.938 | 0.39% |
| AL 308 IEC | 915.2 | 10111 | µg/L | 5.6 | 10111 | µg/L | 5.6 | 0.06% |
| AL 308 LOW | 100865.5 | 9955.5 | µg/L | 113.60 | 9955.5 | µg/L | 113.60 | 1.14% |
| AS 188 IEC | 266.1 | 1011.2 | µg/L | 8.24 | 1011.2 | µg/L | 8.24 | 0.81% |
| B 208 IEC | 2015.0 | 1064.0 | µg/L | 15.26 | 1064.0 | µg/L | 15.26 | 1.43% |
| BA 233 IEC | 35323.5 | 1004.7 | µg/L | 10.08 | 1004.7 | µg/L | 10.08 | 1.00% |
| BE 313 IEC | 2279820.4 | 1010.0 | µg/L | 10.44 | 1010.0 | µg/L | 10.44 | 1.03% |
| CA 317 IEC | 5817.1 | 10285 | µg/L | 17.3 | 10285 | µg/L | 17.3 | 0.17% |
| CD 226 IEC | 40409.2 | 1003.0 | µg/L | 7.50 | 1003.0 | µg/L | 7.50 | 0.75% |
| CO 228 IEC | 12391.3 | 1017.7 | µg/L | 8.42 | 1017.7 | µg/L | 8.42 | 0.83% |
| CR 267 IEC | 57682.1 | 1001.8 | µg/L | 9.81 | 1001.8 | µg/L | 9.81 | 0.98% |
| CU 324 IEC | 158072.5 | 990.28 | µg/L | 7.786 | 990.28 | µg/L | 7.786 | 0.79% |
| FE 238 IEC | 1649.0 | 10230 | µg/L | 37.1 | 10230 | µg/L | 37.1 | 0.36% |
| FE 238 LOW | 401678.4 | 10226 | µg/L | 107.3 | 10226 | µg/L | 107.3 | 1.05% |
| K 766 IEC | 22266.1 | 10208 | µg/L | 64.2 | 10208 | µg/L | 64.2 | 0.63% |
| LI 670 IEC | 26567.1 | 1030.1 | µg/L | 3.27 | 1030.1 | µg/L | 3.27 | 0.32% |
| MG 279 IEC | 1199.8 | 10233 | µg/L | 8.0 | 10233 | µg/L | 8.0 | 0.08% |
| MN 257 IEC | 254701.1 | 1015.9 | µg/L | 9.44 | 1015.9 | µg/L | 9.44 | 0.93% |
| MO 202 IEC | 3822.0 | 1014.5 | µg/L | 7.08 | 1014.5 | µg/L | 7.08 | 0.70% |
| NA 589 IEC | 34104.4 | 11034 | µg/L | 5.6 | 11034 | µg/L | 5.6 | 0.05% |
| NI 231 IEC | 10528.8 | 1017.2 | µg/L | 5.21 | 1017.2 | µg/L | 5.21 | 0.51% |
| PB 220 IEC | 2446.4 | 1017.3 | µg/L | 10.39 | 1017.3 | µg/L | 10.39 | 1.02% |
| SB 217 IEC | 1439.6 | 1014.8 | µg/L | 3.14 | 1014.8 | µg/L | 3.14 | 0.31% |
| SE 196 IEC | 423.8 | 1032.9 | µg/L | 19.24 | 1032.9 | µg/L | 19.24 | 1.86% |
| SN 189 IEC | 772.6 | 1003.3 | µg/L | 16.12 | 1003.3 | µg/L | 16.12 | 1.61% |
| SR 407 IEC | 74612.1 | 1049.6 | µg/L | 6.22 | 1049.6 | µg/L | 6.22 | 0.59% |
| TI 334 IEC | 453236.3 | 1001.3 | µg/L | 10.76 | 1001.3 | µg/L | 10.76 | 1.07% |
| TL 190 IEC | 263.3 | 1023.9 | µg/L | 0.71 | 1023.9 | µg/L | 0.71 | 0.07% |
| V 292 IEC | 103703.3 | 991.42 | µg/L | 9.985 | 991.42 | µg/L | 9.985 | 1.01% |
| ZN 206 IEC | 10143.4 | 1018.1 | µg/L | 6.30 | 1018.1 | µg/L | 6.30 | 0.62% |
| SI 251 IEC | 902.4 | 5045.3 | µg/L | 3.94 | 5045.3 | µg/L | 3.94 | 0.08% |

Sequence No.: 60
Sample ID: CCB5
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 12/21/2006 2:40:15 PM
Sample Prep Volume:
Data Type: Original

Mean Data: CCB5

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Calib Std.Dev. | Sample Conc. | Sample Units | Sample Std.Dev. | Sample RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | -12.3 | -0.13 | µg/L | 0.733 | -0.13 | µg/L | 0.733 | 557.11% |
| AL 308 IEC | 3.7 | 40.54 | µg/L | 13.746 | 40.54 | µg/L | 13.746 | 33.91% |
| AL 308 LOW | 469.8 | 46.37 | µg/L | 3.970 | 46.37 | µg/L | 3.970 | 8.56% |
| AS 188 IEC | 1.4 | 5.17 | µg/L | 6.664 | 5.17 | µg/L | 6.664 | 128.99% |
| B 208 IEC | 41.8 | 22.08 | µg/L | 1.531 | 22.08 | µg/L | 1.531 | 6.93% |
| BA 233 IEC | 7.7 | 0.22 | µg/L | 0.158 | 0.22 | µg/L | 0.158 | 72.34% |
| BE 313 IEC | 258.5 | 0.11 | µg/L | 0.023 | 0.11 | µg/L | 0.023 | 20.14% |
| CA 317 IEC | 18.6 | 32.81 | µg/L | 1.384 | 32.81 | µg/L | 1.384 | 4.22% |
| CD 226 IEC | 5.5 | 0.14 | µg/L | 0.261 | 0.14 | µg/L | 0.261 | 191.17% |
| CO 228 IEC | 6.3 | 0.52 | µg/L | 0.135 | 0.52 | µg/L | 0.135 | 25.88% |
| CR 267 IEC | -0.4 | -0.01 | µg/L | 0.604 | -0.01 | µg/L | 0.604 | >999.9% |
| CU 324 IEC | 736.3 | 4.61 | µg/L | 0.596 | 4.61 | µg/L | 0.596 | 12.92% |
| FE 238 IEC | 1.7 | 10.69 | µg/L | 1.451 | 10.69 | µg/L | 1.451 | 13.57% |
| FE 238 LOW | 505.8 | 12.88 | µg/L | 1.310 | 12.88 | µg/L | 1.310 | 10.17% |
| K 766 IEC | -122.5 | -56.19 | µg/L | 10.878 | -56.19 | µg/L | 10.878 | 19.36% |
| LI 670 IEC | 28.8 | 1.12 | µg/L | 0.461 | 1.12 | µg/L | 0.461 | 41.23% |
| MG 279 IEC | 14.4 | 123.13 | µg/L | 7.621 | 123.13 | µg/L | 7.621 | 6.19% |
| MN 257 IEC | 127.5 | 0.51 | µg/L | 0.058 | 0.51 | µg/L | 0.058 | 11.31% |
| MO 202 IEC | 2.8 | 0.75 | µg/L | 0.086 | 0.75 | µg/L | 0.086 | 11.34% |
| NA 589 IEC | 1287.9 | 416.69 | µg/L | 77.201 | 416.69 | µg/L | 77.201 | 18.53% |
| NI 231 IEC | 3.5 | 0.34 | µg/L | 0.013 | 0.34 | µg/L | 0.013 | 3.72% |
| PB 220 IEC | 1.5 | 0.61 | µg/L | 1.316 | 0.61 | µg/L | 1.316 | 215.78% |
| SB 217 IEC | -6.8 | -4.78 | µg/L | 2.094 | -4.78 | µg/L | 2.094 | 43.80% |
| SE 196 IEC | 2.8 | 6.91 | µg/L | 0.411 | 6.91 | µg/L | 0.411 | 5.95% |
| SN 189 IEC | 0.5 | 0.63 | µg/L | 2.331 | 0.63 | µg/L | 2.331 | 369.44% |
| SR 407 IEC | 18.6 | 0.26 | µg/L | 0.258 | 0.26 | µg/L | 0.258 | 98.97% |
| TI 334 IEC | 34.7 | 0.08 | µg/L | 0.107 | 0.08 | µg/L | 0.107 | 139.23% |
| TL 190 IEC | -2.9 | -11.14 | µg/L | 13.249 | -11.14 | µg/L | 13.249 | 118.95% |
| V 292 IEC | 9.9 | 0.09 | µg/L | 0.044 | 0.09 | µg/L | 0.044 | 46.29% |
| ZN 206 IEC | -0.2 | -0.02 | µg/L | 0.200 | -0.02 | µg/L | 0.200 | >999.9% |
| SI 251 IEC | -0.9 | -5.78 | µg/L | 4.693 | -5.78 | µg/L | 4.693 | 81.20% |

Sequence No.: 61
Sample ID: 20491034
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 42
Date Collected: 12/21/2006 2:45:06 PM

Sample Prep Volume:
Data Type: Original

Mean Data: 20491034

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | -66.5 | 0.13 | µg/L | 0.536 | 0.13 | µg/L | 0.536 | 402.86% |
| AL 308 IEC | 11.0 | 121.47 | µg/L | 15.258 | 121.47 | µg/L | 15.258 | 12.56% |
| AL 308 LOW | 1455.1 | 143.62 | µg/L | 0.838 | 143.62 | µg/L | 0.838 | 0.58% |
| AS 188 IEC | 1.8 | 8.46 | µg/L | 6.197 | 8.46 | µg/L | 6.197 | 73.24% |
| B 208 IEC | 631.1 | 333.24 | µg/L | 4.431 | 333.24 | µg/L | 4.431 | 1.33% |
| BA 233 IEC | 6162.4 | 175.28 | µg/L | 1.814 | 175.28 | µg/L | 1.814 | 1.03% |
| BE 313 IEC | -273.4 | -0.12 | µg/L | 0.007 | -0.12 | µg/L | 0.007 | 6.06% |
| CA 317 IEC | 36893.4 | 65227 | µg/L | 715.6 | 65227 | µg/L | 715.6 | 1.10% |
| CD 226 IEC | 25.4 | 0.61 | µg/L | 0.069 | 0.61 | µg/L | 0.069 | 11.24% |
| CO 228 IEC | 18.2 | 1.49 | µg/L | 0.178 | 1.49 | µg/L | 0.178 | 11.90% |
| CR 267 IEC | 4.5 | 0.08 | µg/L | 0.071 | 0.08 | µg/L | 0.071 | 90.54% |
| CU 324 IEC | 508.0 | 3.18 | µg/L | 0.138 | 3.18 | µg/L | 0.138 | 4.34% |
| FE 238 IEC | 55.7 | 345.54 | µg/L | 9.791 | 345.54 | µg/L | 9.791 | 2.83% |
| FE 238 LOW | 13373.7 | 340.49 | µg/L | 4.346 | 340.49 | µg/L | 4.346 | 1.28% |
| K 766 IEC | 11792.8 | 5406.7 | µg/L | 6.19 | 5406.7 | µg/L | 6.19 | 0.11% |
| LI 670 IEC | 1134.8 | 44.00 | µg/L | 2.314 | 44.00 | µg/L | 2.314 | 5.26% |
| MG 279 IEC | 5711.7 | 48716 | µg/L | 42.8 | 48716 | µg/L | 42.8 | 0.09% |
| MN 257 IEC | 356665.3 | 1422.6 | µg/L | 13.23 | 1422.6 | µg/L | 13.23 | 0.93% |
| MO 202 IEC | 17.3 | 4.58 | µg/L | 0.778 | 4.58 | µg/L | 0.778 | 16.98% |
| NA 589 IEC | 2472067.9 | 799820 | µg/L | 4590.8 | 799820 | µg/L | 4590.8 | 0.57% |
| NI 231 IEC | 8.6 | 0.83 | µg/L | 0.202 | 0.83 | µg/L | 0.202 | 24.43% |
| PB 220 IEC | -3.7 | -1.53 | µg/L | 3.091 | -1.53 | µg/L | 3.091 | 202.48% |
| SB 217 IEC | -11.7 | -6.39 | µg/L | 3.900 | -6.39 | µg/L | 3.900 | 61.02% |
| SE 196 IEC | 18.9 | 39.39 | µg/L | 3.370 | 39.39 | µg/L | 3.370 | 8.56% |
| SN 189 IEC | -60.8 | -78.91 | µg/L | 3.834 | -78.91 | µg/L | 3.834 | 4.86% |
| SR 407 IEC | 34774.0 | 489.16 | µg/L | 1.383 | 489.16 | µg/L | 1.383 | 0.28% |
| TI 334 IEC | 988.0 | 2.18 | µg/L | 0.166 | 2.18 | µg/L | 0.166 | 7.59% |
| TL 190 IEC | 7.2 | 4.70 | µg/L | 7.150 | 4.70 | µg/L | 7.150 | 152.11% |
| V 292 IEC | 108.6 | 1.04 | µg/L | 0.644 | 1.04 | µg/L | 0.644 | 61.97% |
| ZN 206 IEC | 150.8 | 15.14 | µg/L | 0.102 | 15.14 | µg/L | 0.102 | 0.68% |
| SI 251 IEC | 2062.5 | 11544 | µg/L | 25.8 | 11544 | µg/L | 25.8 | 0.22% |

Sequence No.: 62
Sample ID: 20491035
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 43
Date Collected: 12/21/2006 2:50:04 PM

Sample Prep Volume:
Data Type: Original

Mean Data: 20491035

| Analyte | Mean Corrected Intensity | Calib Conc. | Units | Std.Dev. | Sample Conc. | Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | -145.2 | -0.02 | µg/L | 0.133 | -0.02 | µg/L | 0.133 | 746.02% |
| AL 308 IEC | 12.4 | 137.13 | µg/L | 1.384 | 137.13 | µg/L | 1.384 | 1.01% |
| AL 308 LOW | 1612.1 | 159.12 | µg/L | 3.877 | 159.12 | µg/L | 3.877 | 2.44% |
| AS 188 IEC | 1.2 | 6.77 | µg/L | 12.066 | 6.77 | µg/L | 12.066 | 178.33% |
| B 208 IEC | 509.9 | 269.23 | µg/L | 0.416 | 269.23 | µg/L | 0.416 | 0.15% |
| BA 233 IEC | 2203.7 | 62.68 | µg/L | 0.373 | 62.68 | µg/L | 0.373 | 0.60% |
| BE 313 IEC | -402.7 | -0.18 | µg/L | 0.021 | -0.18 | µg/L | 0.021 | 11.67% |
| CA 317 IEC | 67175.9 | 118770 | µg/L | 4242.2 | 118770 | µg/L | 4242.2 | 3.57% |
| CD 226 IEC | 37.2 | 0.92 | µg/L | 0.187 | 0.92 | µg/L | 0.187 | 20.30% |
| CO 228 IEC | 34.3 | 2.81 | µg/L | 0.638 | 2.81 | µg/L | 0.638 | 22.67% |
| CR 267 IEC | 92.5 | 1.61 | µg/L | 0.072 | 1.61 | µg/L | 0.072 | 4.51% |
| CU 324 IEC | 2602.5 | 16.30 | µg/L | 0.364 | 16.30 | µg/L | 0.364 | 2.23% |
| FE 238 IEC | 19.8 | 122.73 | µg/L | 9.968 | 122.73 | µg/L | 9.968 | 8.12% |
| FE 238 LOW | 4615.2 | 117.50 | µg/L | 0.366 | 117.50 | µg/L | 0.366 | 0.31% |
| K 766 IEC | 21330.8 | 9779.7 | µg/L | 288.12 | 9779.7 | µg/L | 288.12 | 2.95% |
| LI 670 IEC | 3067.2 | 118.93 | µg/L | 3.625 | 118.93 | µg/L | 3.625 | 3.05% |
| MG 279 IEC | 13569.5 | 115740 | µg/L | 3336.1 | 115740 | µg/L | 3336.1 | 2.88% |
| MN 257 IEC | 76504.2 | 305.15 | µg/L | 3.498 | 305.15 | µg/L | 3.498 | 1.15% |
| MO 202 IEC | 5.7 | 1.50 | µg/L | 0.138 | 1.50 | µg/L | 0.138 | 9.20% |
| NA 589 IEC | 3064372.6 | 991450 | µg/L | 2466.9 | 991450 | µg/L | 2466.9 | 0.25% |
| NI 231 IEC | 17.2 | 1.66 | µg/L | 0.440 | 1.66 | µg/L | 0.440 | 26.46% |
| PB 220 IEC | 3.2 | 1.32 | µg/L | 0.859 | 1.32 | µg/L | 0.859 | 65.19% |
| SB 217 IEC | -10.2 | -3.90 | µg/L | 1.631 | -3.90 | µg/L | 1.631 | 41.80% |
| SE 196 IEC | 20.5 | 37.57 | µg/L | 11.137 | 37.57 | µg/L | 11.137 | 29.64% |
| SN 189 IEC | -89.6 | -116.35 | µg/L | 3.636 | -116.35 | µg/L | 3.636 | 3.12% |
| SR 407 IEC | 65602.1 | 922.81 | µg/L | 30.639 | 922.81 | µg/L | 30.639 | 3.32% |
| TI 334 IEC | 1112.3 | 2.46 | µg/L | 0.156 | 2.46 | µg/L | 0.156 | 6.35% |
| TL 190 IEC | 12.0 | 4.53 | µg/L | 2.449 | 4.53 | µg/L | 2.449 | 54.09% |
| V 292 IEC | 54.9 | 0.53 | µg/L | 0.092 | 0.53 | µg/L | 0.092 | 17.45% |
| ZN 206 IEC | 329.7 | 33.10 | µg/L | 0.406 | 33.10 | µg/L | 0.406 | 1.23% |
| SI 251 IEC | 2291.8 | 12437 | µg/L | 122.3 | 12437 | µg/L | 122.3 | 0.98% |

Sequence No.: 63
Sample ID: 20491036
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 44
Date Collected: 12/21/2006 2:55:02 PM
Sample Prep Volume:
Data Type: Original

Mean Data: 20491036

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Calib Std.Dev. | Sample Conc. | Sample Units | Sample Std.Dev. | Sample RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | -142.6 | 1.25 | µg/L | 0.435 | 1.25 | µg/L | 0.435 | 34.84% |
| AL 308 IEC | 114.3 | 1263.1 | µg/L | 21.21 | 1263.1 | µg/L | 21.21 | 1.68% |
| AL 308 LOW | 13561.1 | 1338.5 | µg/L | 19.90 | 1338.5 | µg/L | 19.90 | 1.49% |
| AS 188 IEC | 1.3 | 9.27 | µg/L | 9.382 | 9.27 | µg/L | 9.382 | 101.17% |
| B 208 IEC | 529.1 | 279.41 | µg/L | 1.514 | 279.41 | µg/L | 1.514 | 0.54% |
| BA 233 IEC | 2934.0 | 83.46 | µg/L | 0.154 | 83.46 | µg/L | 0.154 | 0.18% |
| BE 313 IEC | -425.8 | -0.19 | µg/L | 0.038 | -0.19 | µg/L | 0.038 | 20.04% |
| CA 317 IEC | 121126.3 | 214150 | µg/L | 1729.1 | 214150 | µg/L | 1729.1 | 0.81% |
| CD 226 IEC | 37.1 | 0.86 | µg/L | 0.085 | 0.86 | µg/L | 0.085 | 9.83% |
| CO 228 IEC | 46.5 | 3.82 | µg/L | 0.196 | 3.82 | µg/L | 0.196 | 5.14% |
| CR 267 IEC | 318.2 | 5.53 | µg/L | 0.094 | 5.53 | µg/L | 0.094 | 1.70% |
| CU 324 IEC | 2939.8 | 18.42 | µg/L | 1.030 | 18.42 | µg/L | 1.030 | 5.59% |
| FE 238 IEC | 205.5 | 1274.9 | µg/L | 0.54 | 1274.9 | µg/L | 0.54 | 0.04% |
| FE 238 LOW | 46250.9 | 1177.5 | µg/L | 9.87 | 1177.5 | µg/L | 9.87 | 0.84% |
| K 766 IEC | 28700.0 | 13158 | µg/L | 260.6 | 13158 | µg/L | 260.6 | 1.98% |
| LI 670 IEC | 3109.5 | 120.57 | µg/L | 0.718 | 120.57 | µg/L | 0.718 | 0.60% |
| MG 279 IEC | 23086.2 | 196910 | µg/L | 2143.1 | 196910 | µg/L | 2143.1 | 1.09% |
| MN 257 IEC | 336929.0 | 1343.9 | µg/L | 17.44 | 1343.9 | µg/L | 17.44 | 1.30% |
| MO 202 IEC | 2.7 | 0.70 | µg/L | 0.821 | 0.70 | µg/L | 0.821 | 117.01% |
| NA 589 IEC | 3856477.6 | 1247700 | µg/L | 33744.8 | 1247700 | µg/L | 33744.8 | 2.70% |
| NI 231 IEC | 49.9 | 4.82 | µg/L | 0.472 | 4.82 | µg/L | 0.472 | 9.79% |
| PB 220 IEC | 6.2 | 2.64 | µg/L | 1.502 | 2.64 | µg/L | 1.502 | 56.80% |
| SB 217 IEC | -19.6 | -7.65 | µg/L | 1.423 | -7.65 | µg/L | 1.423 | 18.61% |
| SE 196 IEC | 19.0 | 24.29 | µg/L | 8.739 | 24.29 | µg/L | 8.739 | 35.98% |
| SN 189 IEC | -93.5 | -121.42 | µg/L | 5.905 | -121.42 | µg/L | 5.905 | 4.86% |
| SR 407 IEC | 130252.0 | 1832.2 | µg/L | 18.22 | 1832.2 | µg/L | 18.22 | 0.99% |
| TI 334 IEC | 14601.0 | 32.26 | µg/L | 0.746 | 32.26 | µg/L | 0.746 | 2.31% |
| TL 190 IEC | 14.1 | -21.43 | µg/L | 5.296 | -21.43 | µg/L | 5.296 | 24.71% |
| V 292 IEC | 267.8 | 2.56 | µg/L | 0.722 | 2.56 | µg/L | 0.722 | 28.19% |
| ZN 206 IEC | 176.0 | 17.66 | µg/L | 0.167 | 17.66 | µg/L | 0.167 | 0.95% |
| SI 251 IEC | 2886.6 | 15242 | µg/L | 30.6 | 15242 | µg/L | 30.6 | 0.20% |

Sequence No.: 64
Sample ID: 20491037
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 45
Date Collected: 12/21/2006 3:00:00 PM

Sample Prep Volume:
Data Type: Original

Mean Data: 20491037

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | -98.4 | 0.36 | µg/L | 0.236 | 0.36 | µg/L | 0.236 | 66.00% |
| AL 308 IEC | 20.9 | 231.19 | µg/L | 15.254 | 231.19 | µg/L | 15.254 | 6.60% |
| AL 308 LOW | 2540.6 | 250.76 | µg/L | 5.472 | 250.76 | µg/L | 5.472 | 2.18% |
| AS 188 IEC | 1.2 | 6.33 | µg/L | 16.112 | 6.33 | µg/L | 16.112 | 254.60% |
| B 208 IEC | 490.2 | 258.87 | µg/L | 0.800 | 258.87 | µg/L | 0.800 | 0.31% |
| BA 233 IEC | 2235.8 | 63.60 | µg/L | 0.535 | 63.60 | µg/L | 0.535 | 0.84% |
| BE 313 IEC | -488.1 | -0.22 | µg/L | 0.002 | -0.22 | µg/L | 0.002 | 0.88% |
| CA 317 IEC | 61643.6 | 108990 | µg/L | 2100.7 | 108990 | µg/L | 2100.7 | 1.93% |
| CD 226 IEC | 32.4 | 0.79 | µg/L | 0.107 | 0.79 | µg/L | 0.107 | 13.46% |
| CO 228 IEC | 29.9 | 2.45 | µg/L | 0.119 | 2.45 | µg/L | 0.119 | 4.86% |
| CR 267 IEC | 134.4 | 2.33 | µg/L | 0.330 | 2.33 | µg/L | 0.330 | 14.12% |
| CU 324 IEC | 2084.7 | 13.06 | µg/L | 0.352 | 13.06 | µg/L | 0.352 | 2.70% |
| FE 238 IEC | 37.0 | 229.41 | µg/L | 0.679 | 229.41 | µg/L | 0.679 | 0.30% |
| FE 238 LOW | 8514.2 | 216.77 | µg/L | 1.393 | 216.77 | µg/L | 1.393 | 0.64% |
| K 766 IEC | 20406.9 | 9356.1 | µg/L | 214.19 | 9356.1 | µg/L | 214.19 | 2.29% |
| LI 670 IEC | 2999.6 | 116.30 | µg/L | 1.064 | 116.30 | µg/L | 1.064 | 0.92% |
| MG 279 IEC | 13014.9 | 111010 | µg/L | 2111.1 | 111010 | µg/L | 2111.1 | 1.90% |
| MN 257 IEC | 64967.1 | 259.13 | µg/L | 0.468 | 259.13 | µg/L | 0.468 | 0.18% |
| MO 202 IEC | 1.0 | 0.27 | µg/L | 1.436 | 0.27 | µg/L | 1.436 | 540.17% |
| NA 589 IEC | 2925336.5 | 946470 | µg/L | 14546.0 | 946470 | µg/L | 14546.0 | 1.54% |
| NI 231 IEC | 12.2 | 1.18 | µg/L | 0.387 | 1.18 | µg/L | 0.387 | 32.78% |
| PB 220 IEC | -5.3 | -2.18 | µg/L | 0.442 | -2.18 | µg/L | 0.442 | 20.31% |
| SB 217 IEC | -13.3 | -6.33 | µg/L | 1.427 | -6.33 | µg/L | 1.427 | 22.53% |
| SE 196 IEC | 14.2 | 23.32 | µg/L | 12.725 | 23.32 | µg/L | 12.725 | 54.57% |
| SN 189 IEC | -84.4 | -109.63 | µg/L | 4.224 | -109.63 | µg/L | 4.224 | 3.85% |
| SR 407 IEC | 59153.9 | 832.10 | µg/L | 22.215 | 832.10 | µg/L | 22.215 | 2.67% |
| TI 334 IEC | 3819.3 | 8.44 | µg/L | 0.039 | 8.44 | µg/L | 0.039 | 0.47% |
| TL 190 IEC | 13.9 | 15.41 | µg/L | 8.765 | 15.41 | µg/L | 8.765 | 56.88% |
| V 292 IEC | 108.6 | 1.04 | µg/L | 0.077 | 1.04 | µg/L | 0.077 | 7.46% |
| ZN 206 IEC | 231.2 | 23.21 | µg/L | 1.077 | 23.21 | µg/L | 1.077 | 4.64% |
| SI 251 IEC | 2229.7 | 12128 | µg/L | 254.9 | 12128 | µg/L | 254.9 | 2.10% |

Sequence No.: 65
Sample ID: 20491046
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 46
Date Collected: 12/21/2006 3:04:58 PM

Sample Prep Volume:
Data Type: Original

Mean Data: 20491046

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | 108.5 | 2.67 | µg/L | 0.551 | 2.67 | µg/L | 0.551 | 20.63% |
| AL 308 IEC | 99.7 | 1101.4 | µg/L | 23.28 | 1101.4 | µg/L | 23.28 | 2.11% |
| AL 308 LOW | 11195.0 | 1105.0 | µg/L | 24.06 | 1105.0 | µg/L | 24.06 | 2.18% |
| AS 188 IEC | 28.0 | 111.30 | µg/L | 6.788 | 111.30 | µg/L | 6.788 | 6.10% |
| B 208 IEC | 354.6 | 187.26 | µg/L | 0.090 | 187.26 | µg/L | 0.090 | 0.05% |
| BA 233 IEC | 15760.5 | 448.29 | µg/L | 8.423 | 448.29 | µg/L | 8.423 | 1.88% |
| BE 313 IEC | -419.8 | -0.19 | µg/L | 0.039 | -0.19 | µg/L | 0.039 | 20.96% |
| CA 317 IEC | 65498.2 | 115800 | µg/L | 2794.6 | 115800 | µg/L | 2794.6 | 2.41% |
| CD 226 IEC | 61.8 | 0.77 | µg/L | 0.234 | 0.77 | µg/L | 0.234 | 30.56% |
| CO 228 IEC | 19.3 | 1.59 | µg/L | 0.181 | 1.59 | µg/L | 0.181 | 11.39% |
| CR 267 IEC | 94.4 | 1.64 | µg/L | 0.177 | 1.64 | µg/L | 0.177 | 10.80% |
| CU 324 IEC | 204.0 | 1.28 | µg/L | 0.176 | 1.28 | µg/L | 0.176 | 13.75% |
| FE 238 IEC | 2800.4 | 17372 | µg/L | 185.1 | 17372 | µg/L | 185.1 | 1.07% |
| FE 238 LOW | 652070.9 | 16601 | µg/L | 143.0 | 16601 | µg/L | 143.0 | 0.86% |
| K 766 IEC | 6954.7 | 3188.6 | µg/L | 75.29 | 3188.6 | µg/L | 75.29 | 2.36% |
| LI 670 IEC | 319.3 | 12.38 | µg/L | 1.348 | 12.38 | µg/L | 1.348 | 10.88% |
| MG 279 IEC | 4281.4 | 36518 | µg/L | 433.9 | 36518 | µg/L | 433.9 | 1.19% |
| MN 257 IEC | 1371675.7 | 5471.1 | µg/L | 28.28 | 5471.1 | µg/L | 28.28 | 0.52% |
| MO 202 IEC | 7.8 | 2.05 | µg/L | 0.360 | 2.05 | µg/L | 0.360 | 17.56% |
| NA 589 IEC | 308771.7 | 99901 | µg/L | 1516.4 | 99901 | µg/L | 1516.4 | 1.52% |
| NI 231 IEC | 24.5 | 2.36 | µg/L | 0.511 | 2.36 | µg/L | 0.511 | 21.62% |
| PB 220 IEC | -2.1 | -0.82 | µg/L | 1.693 | -0.82 | µg/L | 1.693 | 206.42% |
| SB 217 IEC | -10.4 | -0.96 | µg/L | 4.161 | -0.96 | µg/L | 4.161 | 431.71% |
| SE 196 IEC | 16.6 | 33.52 | µg/L | 9.128 | 33.52 | µg/L | 9.128 | 27.23% |
| SN 189 IEC | -51.5 | -66.87 | µg/L | 6.363 | -66.87 | µg/L | 6.363 | 9.52% |
| SR 407 IEC | 39858.2 | 560.68 | µg/L | 11.586 | 560.68 | µg/L | 11.586 | 2.07% |
| TI 334 IEC | 10046.1 | 22.19 | µg/L | 0.769 | 22.19 | µg/L | 0.769 | 3.46% |
| TL 190 IEC | -1.5 | -47.00 | µg/L | 2.344 | -47.00 | µg/L | 2.344 | 4.99% |
| V 292 IEC | 303.0 | 2.90 | µg/L | 0.281 | 2.90 | µg/L | 0.281 | 9.69% |
| ZN 206 IEC | 199.7 | 20.04 | µg/L | 0.447 | 20.04 | µg/L | 0.447 | 2.23% |
| SI 251 IEC | 2435.8 | 13452 | µg/L | 192.1 | 13452 | µg/L | 192.1 | 1.43% |

Sequence No.: 66
Sample ID: 20491047
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 47
Date Collected: 12/21/2006 3:10:01 PM

Sample Prep Volume:
Data Type: Original

Mean Data: 20491047

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | 203.9 | 6.99 | µg/L | 0.814 | 6.99 | µg/L | 0.814 | 11.65% |
| AL 308 IEC | 21.7 | 239.58 | µg/L | 14.897 | 239.58 | µg/L | 14.897 | 6.22% |
| AL 308 LOW | 2296.5 | 226.66 | µg/L | 12.173 | 226.66 | µg/L | 12.173 | 5.37% |
| AS 188 IEC | 5.8 | 37.97 | µg/L | 14.884 | 37.97 | µg/L | 14.884 | 39.20% |
| B 208 IEC | 12140.7 | 6410.9 | µg/L | 276.79 | 6410.9 | µg/L | 276.79 | 4.32% |
| BA 233 IEC | 5680.1 | 161.57 | µg/L | 0.174 | 161.57 | µg/L | 0.174 | 0.11% |
| BE 313 IEC | -420.8 | -0.19 | µg/L | 0.051 | -0.19 | µg/L | 0.051 | 27.45% |
| CA 317 IEC | 208820.4 | 369190 | µg/L | 5024.1 | 369190 | µg/L | 5024.1 | 1.36% |
| CD 226 IEC | 42.6 | 0.97 | µg/L | 0.259 | 0.97 | µg/L | 0.259 | 26.67% |
| CO 228 IEC | 162.8 | 13.37 | µg/L | 0.146 | 13.37 | µg/L | 0.146 | 1.09% |
| CR 267 IEC | -1.4 | -0.02 | µg/L | 0.102 | -0.02 | µg/L | 0.102 | 417.58% |
| CU 324 IEC | 182.6 | 1.14 | µg/L | 0.092 | 1.14 | µg/L | 0.092 | 8.07% |
| FE 238 IEC | 313.0 | 1941.4 | µg/L | 18.25 | 1941.4 | µg/L | 18.25 | 0.94% |
| FE 238 LOW | 72707.2 | 1851.1 | µg/L | 74.61 | 1851.1 | µg/L | 74.61 | 4.03% |
| K 766 IEC | 10918.6 | 5005.9 | µg/L | 127.01 | 5005.9 | µg/L | 127.01 | 2.54% |
| LI 670 IEC | 641.7 | 24.88 | µg/L | 2.037 | 24.88 | µg/L | 2.037 | 8.19% |
| MG 279 IEC | 14085.4 | 120140 | µg/L | 1902.8 | 120140 | µg/L | 1902.8 | 1.58% |
| MN 257 IEC | 3573075.9 | 14252 | µg/L | 40.4 | 14252 | µg/L | 40.4 | 0.28% |
| MO 202 IEC | 4.1 | 1.09 | µg/L | 0.318 | 1.09 | µg/L | 0.318 | 29.17% |
| NA 589 IEC | 1328298.3 | 429760 | µg/L | 13039.2 | 429760 | µg/L | 13039.2 | 3.03% |
| NI 231 IEC | 103.4 | 9.99 | µg/L | 0.127 | 9.99 | µg/L | 0.127 | 1.27% |
| PB 220 IEC | -5.7 | -2.35 | µg/L | 0.427 | -2.35 | µg/L | 0.427 | 18.16% |
| SB 217 IEC | -19.5 | -3.14 | µg/L | 0.664 | -3.14 | µg/L | 0.664 | 21.17% |
| SE 196 IEC | 22.5 | 16.96 | µg/L | 10.691 | 16.96 | µg/L | 10.691 | 63.02% |
| SN 189 IEC | -87.5 | -113.67 | µg/L | 4.125 | -113.67 | µg/L | 4.125 | 3.63% |
| SR 407 IEC | 96730.9 | 1360.7 | µg/L | 28.61 | 1360.7 | µg/L | 28.61 | 2.10% |
| TI 334 IEC | -170.9 | -0.38 | µg/L | 0.478 | -0.38 | µg/L | 0.478 | 126.56% |
| TL 190 IEC | -22.4 | -219.06 | µg/L | 0.848 | -219.06 | µg/L | 0.848 | 0.39% |
| V 292 IEC | 22.4 | 0.21 | µg/L | 0.046 | 0.21 | µg/L | 0.046 | 21.50% |
| ZN 206 IEC | 186.1 | 18.68 | µg/L | 0.257 | 18.68 | µg/L | 0.257 | 1.38% |
| SI 251 IEC | 1823.1 | 8863.6 | µg/L | 63.90 | 8863.6 | µg/L | 63.90 | 0.72% |

Sequence No.: 67
Sample ID: 20491048
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 48
Date Collected: 12/21/2006 3:15:04 PM
Sample Prep Volume:
Data Type: Original

Mean Data: 20491048

| Analyte | Mean Corrected Intensity | Conc. | Calib Units | Std.Dev. | Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | 75.4 | 3.03 | µg/L | 0.019 | 3.03 | µg/L | 0.019 | 0.64% |
| AL 308 IEC | 60.8 | 671.25 | µg/L | 42.232 | 671.25 | µg/L | 42.232 | 6.29% |
| AL 308 LOW | 7079.4 | 698.74 | µg/L | 35.234 | 698.74 | µg/L | 35.234 | 5.04% |
| AS 188 IEC | 59.7 | 234.25 | µg/L | 1.211 | 234.25 | µg/L | 1.211 | 0.52% |
| B 208 IEC | 834.0 | 440.38 | µg/L | 2.361 | 440.38 | µg/L | 2.361 | 0.54% |
| BA 233 IEC | 24811.9 | 705.75 | µg/L | 30.641 | 705.75 | µg/L | 30.641 | 4.34% |
| BE 313 IEC | -187.5 | -0.08 | µg/L | 0.055 | -0.08 | µg/L | 0.055 | 66.04% |
| CA 317 IEC | 96483.8 | 170580 | µg/L | 6349.5 | 170580 | µg/L | 6349.5 | 3.72% |
| CD 226 IEC | 136.5 | 1.17 | µg/L | 0.018 | 1.17 | µg/L | 0.018 | 1.52% |
| CO 228 IEC | 38.4 | 3.16 | µg/L | 0.382 | 3.16 | µg/L | 0.382 | 12.10% |
| CR 267 IEC | 26.3 | 0.46 | µg/L | 0.043 | 0.46 | µg/L | 0.043 | 9.40% |
| CU 324 IEC | 340.1 | 2.13 | µg/L | 0.297 | 2.13 | µg/L | 0.297 | 13.96% |
| FE 238 IEC | 8101.2 | 50256 | µg/L | 1737.6 | 50256 | µg/L | 1737.6 | 3.46% |
| FE 238 LOW | 1905165.8 | 48504 | µg/L | 783.5 | 48504 | µg/L | 783.5 | 1.62% |
| K 766 IEC | 10875.6 | 4986.2 | µg/L | 159.12 | 4986.2 | µg/L | 159.12 | 3.19% |
| LI 670 IEC | 464.4 | 18.01 | µg/L | 0.576 | 18.01 | µg/L | 0.576 | 3.20% |
| MG 279 IEC | 6109.2 | 52107 | µg/L | 18.6 | 52107 | µg/L | 18.6 | 0.04% |
| MN 257 IEC | 1851753.3 | 7386.0 | µg/L | 124.00 | 7386.0 | µg/L | 124.00 | 1.68% |
| MO 202 IEC | 11.0 | 2.89 | µg/L | 0.574 | 2.89 | µg/L | 0.574 | 19.85% |
| NA 589 IEC | 814657.9 | 263580 | µg/L | 3894.7 | 263580 | µg/L | 3894.7 | 1.48% |
| NI 231 IEC | 31.4 | 3.04 | µg/L | 0.893 | 3.04 | µg/L | 0.893 | 29.44% |
| PB 220 IEC | 4.2 | 1.77 | µg/L | 2.573 | 1.77 | µg/L | 2.573 | 145.59% |
| SB 217 IEC | -22.0 | -1.73 | µg/L | 3.305 | -1.73 | µg/L | 3.305 | 191.27% |
| SE 196 IEC | 9.5 | 19.92 | µg/L | 4.931 | 19.92 | µg/L | 4.931 | 24.75% |
| SN 189 IEC | -64.6 | -83.85 | µg/L | 4.474 | -83.85 | µg/L | 4.474 | 5.34% |
| SR 407 IEC | 59184.2 | 832.53 | µg/L | 13.537 | 832.53 | µg/L | 13.537 | 1.63% |
| TI 334 IEC | 3994.0 | 8.82 | µg/L | 0.090 | 8.82 | µg/L | 0.090 | 1.02% |
| TL 190 IEC | -4.3 | -77.57 | µg/L | 5.828 | -77.57 | µg/L | 5.828 | 7.51% |
| V 292 IEC | 392.8 | 3.76 | µg/L | 0.163 | 3.76 | µg/L | 0.163 | 4.34% |
| ZN 206 IEC | 168.9 | 16.95 | µg/L | 0.044 | 16.95 | µg/L | 0.044 | 0.26% |
| SI 251 IEC | 2296.9 | 12148 | µg/L | 67.9 | 12148 | µg/L | 67.9 | 0.56% |

Sequence No.: 68
Sample ID: 20491049
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 49
Date Collected: 12/21/2006 3:20:07 PM

Sample Prep Volume:
Data Type: Original

Mean Data: 20491049

| Analyte | Mean Corrected Intensity | Calib Conc. | Units | Std.Dev. | Sample Conc. | Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | -37.9 | 0.26 | µg/L | 0.354 | 0.26 | µg/L | 0.354 | 137.56% |
| AL 308 IEC | 46.7 | 515.71 | µg/L | 27.757 | 515.71 | µg/L | 27.757 | 5.38% |
| AL 308 LOW | 5315.7 | 524.66 | µg/L | 3.464 | 524.66 | µg/L | 3.464 | 0.66% |
| AS 188 IEC | 4.5 | 19.50 | µg/L | 6.043 | 19.50 | µg/L | 6.043 | 31.00% |
| B 208 IEC | 340.7 | 179.92 | µg/L | 2.830 | 179.92 | µg/L | 2.830 | 1.57% |
| BA 233 IEC | 3826.8 | 108.85 | µg/L | 0.689 | 108.85 | µg/L | 0.689 | 0.63% |
| BE 313 IEC | -255.6 | -0.11 | µg/L | 0.008 | -0.11 | µg/L | 0.008 | 7.21% |
| CA 317 IEC | 28941.5 | 51168 | µg/L | 1123.2 | 51168 | µg/L | 1123.2 | 2.20% |
| CD 226 IEC | 37.7 | 0.91 | µg/L | 0.141 | 0.91 | µg/L | 0.141 | 15.49% |
| CO 228 IEC | 20.9 | 1.71 | µg/L | 0.144 | 1.71 | µg/L | 0.144 | 8.38% |
| CR 267 IEC | -16.5 | -0.29 | µg/L | 0.055 | -0.29 | µg/L | 0.055 | 19.29% |
| CU 324 IEC | 561.9 | 3.52 | µg/L | 0.354 | 3.52 | µg/L | 0.354 | 10.05% |
| FE 238 IEC | 95.1 | 589.80 | µg/L | 13.033 | 589.80 | µg/L | 13.033 | 2.21% |
| FE 238 LOW | 21861.3 | 556.57 | µg/L | 1.509 | 556.57 | µg/L | 1.509 | 0.27% |
| K 766 IEC | 17282.9 | 7923.8 | µg/L | 217.31 | 7923.8 | µg/L | 217.31 | 2.74% |
| LI 670 IEC | 248.8 | 9.65 | µg/L | 1.911 | 9.65 | µg/L | 1.911 | 19.80% |
| MG 279 IEC | 1725.1 | 14714 | µg/L | 112.9 | 14714 | µg/L | 112.9 | 0.77% |
| MN 257 IEC | 321065.9 | 1280.6 | µg/L | 14.57 | 1280.6 | µg/L | 14.57 | 1.14% |
| MO 202 IEC | 78.1 | 20.72 | µg/L | 0.714 | 20.72 | µg/L | 0.714 | 3.45% |
| NA 589 IEC | 971034.4 | 314170 | µg/L | 586.0 | 314170 | µg/L | 586.0 | 0.19% |
| NI 231 IEC | 48.4 | 4.68 | µg/L | 0.143 | 4.68 | µg/L | 0.143 | 3.06% |
| PB 220 IEC | 0.8 | 0.38 | µg/L | 0.670 | 0.38 | µg/L | 0.670 | 177.60% |
| SB 217 IEC | -8.3 | -4.29 | µg/L | 0.517 | -4.29 | µg/L | 0.517 | 12.05% |
| SE 196 IEC | 14.2 | 29.40 | µg/L | 5.352 | 29.40 | µg/L | 5.352 | 18.20% |
| SN 189 IEC | -24.5 | -31.83 | µg/L | 3.965 | -31.83 | µg/L | 3.965 | 12.46% |
| SR 407 IEC | 19064.1 | 268.17 | µg/L | 7.276 | 268.17 | µg/L | 7.276 | 2.71% |
| TI 334 IEC | 2165.8 | 4.78 | µg/L | 0.080 | 4.78 | µg/L | 0.080 | 1.67% |
| TL 190 IEC | 5.8 | 4.22 | µg/L | 6.857 | 4.22 | µg/L | 6.857 | 162.57% |
| V 292 IEC | 191.6 | 1.83 | µg/L | 0.112 | 1.83 | µg/L | 0.112 | 6.09% |
| ZN 206 IEC | 269.4 | 27.04 | µg/L | 0.384 | 27.04 | µg/L | 0.384 | 1.42% |
| SI 251 IEC | 1396.1 | 7858.5 | µg/L | 45.95 | 7858.5 | µg/L | 45.95 | 0.58% |

Sequence No.: 69
Sample ID: 20491054
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 50
Date Collected: 12/21/2006 3:25:05 PM

Sample Prep Volume:
Data Type: Original

Mean Data: 20491054

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | 101.8 | 3.31 | µg/L | 0.078 | 3.31 | µg/L | 0.078 | 2.36% |
| AL 308 IEC | 245.3 | 2709.6 | µg/L | 15.74 | 2709.6 | µg/L | 15.74 | 0.58% |
| AL 308 LOW | 27144.3 | 2679.2 | µg/L | 92.65 | 2679.2 | µg/L | 92.65 | 3.46% |
| AS 188 IEC | 46.0 | 182.16 | µg/L | 11.320 | 182.16 | µg/L | 11.320 | 6.21% |
| B 208 IEC | 626.5 | 330.81 | µg/L | 0.199 | 330.81 | µg/L | 0.199 | 0.06% |
| BA 233 IEC | 22518.3 | 640.51 | µg/L | 21.724 | 640.51 | µg/L | 21.724 | 3.39% |
| BE 313 IEC | -44.6 | -0.02 | µg/L | 0.038 | -0.02 | µg/L | 0.038 | 190.08% |
| CA 317 IEC | 96611.9 | 170810 | µg/L | 385.9 | 170810 | µg/L | 385.9 | 0.23% |
| CD 226 IEC | 83.1 | 0.96 | µg/L | 0.102 | 0.96 | µg/L | 0.102 | 10.64% |
| CO 228 IEC | 41.0 | 3.37 | µg/L | 0.054 | 3.37 | µg/L | 0.054 | 1.59% |
| CR 267 IEC | 144.0 | 2.50 | µg/L | 0.062 | 2.50 | µg/L | 0.062 | 2.48% |
| CU 324 IEC | 706.3 | 4.42 | µg/L | 0.228 | 4.42 | µg/L | 0.228 | 5.16% |
| FE 238 IEC | 4005.6 | 24848 | µg/L | 66.8 | 24848 | µg/L | 66.8 | 0.27% |
| FE 238 LOW | 933022.3 | 23754 | µg/L | 248.5 | 23754 | µg/L | 248.5 | 1.05% |
| K 766 IEC | 7165.7 | 3285.3 | µg/L | 38.07 | 3285.3 | µg/L | 38.07 | 1.16% |
| LI 670 IEC | 345.9 | 13.41 | µg/L | 0.639 | 13.41 | µg/L | 0.639 | 4.76% |
| MG 279 IEC | 5880.3 | 50155 | µg/L | 199.9 | 50155 | µg/L | 199.9 | 0.40% |
| MN 257 IEC | 1869240.7 | 7455.8 | µg/L | 81.02 | 7455.8 | µg/L | 81.02 | 1.09% |
| MO 202 IEC | 20.2 | 5.31 | µg/L | 0.276 | 5.31 | µg/L | 0.276 | 5.19% |
| NA 589 IEC | 466655.3 | 150980 | µg/L | 53.0 | 150980 | µg/L | 53.0 | 0.04% |
| NI 231 IEC | 62.3 | 6.02 | µg/L | 0.176 | 6.02 | µg/L | 0.176 | 2.93% |
| PB 220 IEC | 2.3 | 1.09 | µg/L | 0.137 | 1.09 | µg/L | 0.137 | 12.54% |
| SB 217 IEC | -14.6 | -1.03 | µg/L | 2.312 | -1.03 | µg/L | 2.312 | 223.52% |
| SE 196 IEC | 16.2 | 28.87 | µg/L | 2.550 | 28.87 | µg/L | 2.550 | 8.83% |
| SN 189 IEC | -59.4 | -77.11 | µg/L | 4.325 | -77.11 | µg/L | 4.325 | 5.61% |
| SR 407 IEC | 53128.3 | 747.34 | µg/L | 2.225 | 747.34 | µg/L | 2.225 | 0.30% |
| TI 334 IEC | 19169.2 | 42.35 | µg/L | 0.130 | 42.35 | µg/L | 0.130 | 0.31% |
| TL 190 IEC | -3.6 | -74.95 | µg/L | 12.692 | -74.95 | µg/L | 12.692 | 16.93% |
| V 292 IEC | 740.2 | 7.08 | µg/L | 0.336 | 7.08 | µg/L | 0.336 | 4.75% |
| ZN 206 IEC | 301.5 | 30.26 | µg/L | 0.190 | 30.26 | µg/L | 0.190 | 0.63% |
| SI 251 IEC | 2830.3 | 15440 | µg/L | 62.4 | 15440 | µg/L | 62.4 | 0.40% |

Sequence No.: 70
Sample ID: CCV6
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 12/21/2006 3:30:09 PM

Sample Prep Volume:
Data Type: Original

Mean Data: CCV6

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Calib Std.Dev. | Sample Conc. | Sample Units | Sample Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | 43661.2 | 469.24 | µg/L | 11.187 | 469.24 | µg/L | 11.187 | 2.38% |
| AL 308 IEC | 861.6 | 9518.3 | µg/L | 12.84 | 9518.3 | µg/L | 12.84 | 0.13% |
| AL 308 LOW | 93953.8 | 9273.3 | µg/L | 285.18 | 9273.3 | µg/L | 285.18 | 3.08% |
| AS 188 IEC | 248.2 | 942.98 | µg/L | 13.758 | 942.98 | µg/L | 13.758 | 1.46% |
| B 208 IEC | 1926.2 | 1017.1 | µg/L | 5.80 | 1017.1 | µg/L | 5.80 | 0.57% |
| BA 233 IEC | 33075.1 | 940.79 | µg/L | 25.873 | 940.79 | µg/L | 25.873 | 2.75% |
| BE 313 IEC | 2149263.7 | 952.16 | µg/L | 1.169 | 952.16 | µg/L | 1.169 | 0.12% |
| CA 317 IEC | 5494.3 | 9714.0 | µg/L | 47.05 | 9714.0 | µg/L | 47.05 | 0.48% |
| CD 226 IEC | 37958.1 | 942.18 | µg/L | 27.718 | 942.18 | µg/L | 27.718 | 2.94% |
| CO 228 IEC | 11551.2 | 948.72 | µg/L | 27.035 | 948.72 | µg/L | 27.035 | 2.85% |
| CR 267 IEC | 54085.3 | 939.34 | µg/L | 25.683 | 939.34 | µg/L | 25.683 | 2.73% |
| CU 324 IEC | 147693.8 | 925.26 | µg/L | 27.883 | 925.26 | µg/L | 27.883 | 3.01% |
| FE 238 IEC | 1544.2 | 9579.3 | µg/L | 75.46 | 9579.3 | µg/L | 75.46 | 0.79% |
| FE 238 LOW | 377126.2 | 9601.4 | µg/L | 20.01 | 9601.4 | µg/L | 20.01 | 0.21% |
| K 766 IEC | 20889.9 | 9577.5 | µg/L | 42.02 | 9577.5 | µg/L | 42.02 | 0.44% |
| LI 670 IEC | 25001.6 | 969.39 | µg/L | 13.086 | 969.39 | µg/L | 13.086 | 1.35% |
| MG 279 IEC | 1127.3 | 9615.2 | µg/L | 67.11 | 9615.2 | µg/L | 67.11 | 0.70% |
| MN 257 IEC | 239882.5 | 956.81 | µg/L | 26.883 | 956.81 | µg/L | 26.883 | 2.81% |
| MO 202 IEC | 3585.2 | 951.60 | µg/L | 6.410 | 951.60 | µg/L | 6.410 | 0.67% |
| NA 589 IEC | 32801.9 | 10613 | µg/L | 112.8 | 10613 | µg/L | 112.8 | 1.06% |
| NI 231 IEC | 9800.8 | 946.84 | µg/L | 25.549 | 946.84 | µg/L | 25.549 | 2.70% |
| PB 220 IEC | 2296.7 | 955.07 | µg/L | 7.686 | 955.07 | µg/L | 7.686 | 0.80% |
| SB 217 IEC | 1358.4 | 957.48 | µg/L | 11.084 | 957.48 | µg/L | 11.084 | 1.16% |
| SE 196 IEC | 399.4 | 973.47 | µg/L | 26.482 | 973.47 | µg/L | 26.482 | 2.72% |
| SN 189 IEC | 739.2 | 959.88 | µg/L | 7.905 | 959.88 | µg/L | 7.905 | 0.82% |
| SR 407 IEC | 70500.0 | 991.71 | µg/L | 18.851 | 991.71 | µg/L | 18.851 | 1.90% |
| TI 334 IEC | 427304.7 | 943.98 | µg/L | 1.215 | 943.98 | µg/L | 1.215 | 0.13% |
| TL 190 IEC | 245.5 | 954.61 | µg/L | 15.822 | 954.61 | µg/L | 15.822 | 1.66% |
| V 292 IEC | 97535.8 | 932.46 | µg/L | 26.508 | 932.46 | µg/L | 26.508 | 2.84% |
| ZN 206 IEC | 9507.9 | 954.33 | µg/L | 20.684 | 954.33 | µg/L | 20.684 | 2.17% |
| SI 251 IEC | 853.8 | 4774.9 | µg/L | 4.56 | 4774.9 | µg/L | 4.56 | 0.10% |

12/21/2006 3:36:49 PM Hg ReAlign... Actual peak offset (nm): -0.001
Drift (nm): -0.000 Slit adjustment: -2

Sequence No.: 72
Sample ID: CCB6
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 12/21/2006 3:36:51 PM
Sample Prep Volume:
Data Type: Original

Mean Data: CCB6

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | -41.7 | -0.45 | µg/L | 0.361 | -0.45 | µg/L | 0.361 | 80.52% |
| AL 308 IEC | 3.4 | 37.88 | µg/L | 16.030 | 37.88 | µg/L | 16.030 | 42.32% |
| AL 308 LOW | 77.0 | 7.60 | µg/L | 0.303 | 7.60 | µg/L | 0.303 | 3.99% |
| AS 188 IEC | 0.2 | 0.67 | µg/L | 7.712 | 0.67 | µg/L | 7.712 | >999.9% |
| B 208 IEC | 61.9 | 32.69 | µg/L | 1.183 | 32.69 | µg/L | 1.183 | 3.62% |
| BA 233 IEC | 3.3 | 0.09 | µg/L | 0.078 | 0.09 | µg/L | 0.078 | 83.96% |
| BE 313 IEC | 108.6 | 0.05 | µg/L | 0.012 | 0.05 | µg/L | 0.012 | 24.68% |
| CA 317 IEC | 16.3 | 28.81 | µg/L | 2.469 | 28.81 | µg/L | 2.469 | 8.57% |
| CD 226 IEC | 1.3 | 0.03 | µg/L | 0.142 | 0.03 | µg/L | 0.142 | 422.42% |
| CO 228 IEC | 3.3 | 0.27 | µg/L | 0.148 | 0.27 | µg/L | 0.148 | 53.80% |
| CR 267 IEC | -43.2 | -0.75 | µg/L | 0.562 | -0.75 | µg/L | 0.562 | 74.78% |
| CU 324 IEC | 281.3 | 1.76 | µg/L | 0.127 | 1.76 | µg/L | 0.127 | 7.20% |
| FE 238 IEC | -1.2 | -7.61 | µg/L | 7.420 | -7.61 | µg/L | 7.420 | 97.52% |
| FE 238 LOW | 41.4 | 1.05 | µg/L | 0.204 | 1.05 | µg/L | 0.204 | 19.39% |
| K 766 IEC | -121.3 | -55.63 | µg/L | 105.891 | -55.63 | µg/L | 105.891 | 190.35% |
| LI 670 IEC | 7.2 | 0.28 | µg/L | 1.866 | 0.28 | µg/L | 1.866 | 669.36% |
| MG 279 IEC | 4.9 | 41.43 | µg/L | 42.785 | 41.43 | µg/L | 42.785 | 103.27% |
| MN 257 IEC | 437.3 | 1.74 | µg/L | 0.058 | 1.74 | µg/L | 0.058 | 3.30% |
| MO 202 IEC | 0.8 | 0.22 | µg/L | 0.533 | 0.22 | µg/L | 0.533 | 240.59% |
| NA 589 IEC | 1787.0 | 578.18 | µg/L | 41.683 | 578.18 | µg/L | 41.683 | 7.21% |
| NI 231 IEC | -9.1 | -0.88 | µg/L | 0.367 | -0.88 | µg/L | 0.367 | 41.76% |
| PB 220 IEC | -0.6 | -0.26 | µg/L | 2.018 | -0.26 | µg/L | 2.018 | 763.35% |
| SB 217 IEC | -6.5 | -4.56 | µg/L | 2.950 | -4.56 | µg/L | 2.950 | 64.70% |
| SE 196 IEC | 7.2 | 17.41 | µg/L | 9.563 | 17.41 | µg/L | 9.563 | 54.94% |
| SN 189 IEC | 0.3 | 0.39 | µg/L | 0.356 | 0.39 | µg/L | 0.356 | 90.36% |
| SR 407 IEC | 10.2 | 0.14 | µg/L | 0.029 | 0.14 | µg/L | 0.029 | 20.46% |
| TI 334 IEC | 9.6 | 0.02 | µg/L | 0.074 | 0.02 | µg/L | 0.074 | 346.86% |
| TL 190 IEC | -0.6 | -2.41 | µg/L | 9.137 | -2.41 | µg/L | 9.137 | 379.84% |
| V 292 IEC | -9.7 | -0.09 | µg/L | 0.528 | -0.09 | µg/L | 0.528 | 570.12% |
| ZN 206 IEC | -6.8 | -0.69 | µg/L | 0.357 | -0.69 | µg/L | 0.357 | 52.01% |
| SI 251 IEC | -0.4 | -2.84 | µg/L | 5.087 | -2.84 | µg/L | 5.087 | 178.92% |

Sequence No.: 73
Sample ID: ICSA3
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 12/21/2006 3:41:40 PM

Sample Prep Volume:
Data Type: Original

Mean Data: ICSA3

| Analyte | Mean Corrected Intensity | Calib Conc. | Units | Std.Dev. | Sample Conc. | Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | -189.9 | 3.85 | µg/L | 0.989 | 3.85 | µg/L | 0.989 | 25.67% |
| AL 308 IEC | 43723.7 | 483040 | µg/L | 8803.7 | 483040 | µg/L | 8803.7 | 1.82% |
| AL 308 LOW | 4787945.7 | 472570 | µg/L | 4157.8 | 472570 | µg/L | 4157.8 | 0.88% |
| AS 188 IEC | 2.6 | 17.81 | µg/L | 24.541 | 17.81 | µg/L | 24.541 | 137.80% |
| B 208 IEC | 73.2 | 38.67 | µg/L | 0.157 | 38.67 | µg/L | 0.157 | 0.41% |
| BA 233 IEC | 305.0 | 8.68 | µg/L | 0.036 | 8.68 | µg/L | 0.036 | 0.41% |
| BE 313 IEC | -77.9 | -0.03 | µg/L | 0.062 | -0.03 | µg/L | 0.062 | 180.86% |
| CA 317 IEC | 256646.8 | 453750 | µg/L | 9848.6 | 453750 | µg/L | 9848.6 | 2.17% |
| CD 226 IEC | 519.8 | 5.10 | µg/L | 0.751 | 5.10 | µg/L | 0.751 | 14.72% |
| CO 228 IEC | 62.3 | 5.12 | µg/L | 0.478 | 5.12 | µg/L | 0.478 | 9.34% |
| CR 267 IEC | 3360.3 | 58.36 | µg/L | 0.577 | 58.36 | µg/L | 0.577 | 0.99% |
| CU 324 IEC | 402.2 | 2.52 | µg/L | 0.677 | 2.52 | µg/L | 0.677 | 26.86% |
| FE 238 IEC | 28423.9 | 176330 | µg/L | 3729.8 | 176330 | µg/L | 3729.8 | 2.12% |
| FE 238 LOW | 5996147.8 | 152660 | µg/L | 1348.4 | 152660 | µg/L | 1348.4 | 0.88% |
| K 766 IEC | -281.2 | -128.91 | µg/L | 38.815 | -128.91 | µg/L | 38.815 | 30.11% |
| LI 670 IEC | 27.0 | 1.05 | µg/L | 0.721 | 1.05 | µg/L | 0.721 | 68.92% |
| MG 279 IEC | 53560.9 | 456840 | µg/L | 8328.8 | 456840 | µg/L | 8328.8 | 1.82% |
| MN 257 IEC | 1569.4 | 6.26 | µg/L | 0.037 | 6.26 | µg/L | 0.037 | 0.59% |
| Saturated outside survey window (code 6) | | | | | | | | |
| MO 202 IEC | -12.6 | -13.83 | µg/L | 0.643 | -13.83 | µg/L | 0.643 | 4.64% |
| NA 589 IEC | 2495.1 | 807.28 | µg/L | 36.628 | 807.28 | µg/L | 36.628 | 4.54% |
| NI 231 IEC | 30.8 | 2.98 | µg/L | 0.187 | 2.98 | µg/L | 0.187 | 6.29% |
| PB 220 IEC | -47.5 | 3.85 | µg/L | 3.370 | 3.85 | µg/L | 3.370 | 87.51% |
| SB 217 IEC | -51.5 | 8.14 | µg/L | 0.027 | 8.14 | µg/L | 0.027 | 0.33% |
| SE 196 IEC | -15.9 | -34.51 | µg/L | 10.279 | -34.51 | µg/L | 10.279 | 29.79% |
| SN 189 IEC | -98.7 | -128.13 | µg/L | 4.451 | -128.13 | µg/L | 4.451 | 3.47% |
| SR 407 IEC | 1187.9 | 16.71 | µg/L | 0.034 | 16.71 | µg/L | 0.034 | 0.20% |
| TI 334 IEC | -1370.1 | -3.03 | µg/L | 0.016 | -3.03 | µg/L | 0.016 | 0.53% |
| TL 190 IEC | 20.5 | -81.93 | µg/L | 19.240 | -81.93 | µg/L | 19.240 | 23.48% |
| V 292 IEC | 380.0 | 3.63 | µg/L | 0.228 | 3.63 | µg/L | 0.228 | 6.28% |
| ZN 206 IEC | 79.9 | 8.02 | µg/L | 0.209 | 8.02 | µg/L | 0.209 | 2.61% |
| SI 251 IEC | 14.5 | -6005.0 | µg/L | 118.58 | -6005.0 | µg/L | 118.58 | 1.97% |

Sequence No.: 74
Sample ID: ICSAB3
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 12/21/2006 3:46:40 PM

Sample Prep Volume:
Data Type: Original

Mean Data: ICSAB3

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | 44764.8 | 486.83 | µg/L | 11.113 | 486.83 | µg/L | 11.113 | 2.28% |
| AL 308 IEC | 43552.1 | 481150 | µg/L | 12286.2 | 481150 | µg/L | 12286.2 | 2.55% |
| AL 308 LOW | 4716245.4 | 465500 | µg/L | 8056.8 | 465500 | µg/L | 8056.8 | 1.73% |
| AS 188 IEC | 229.5 | 879.84 | µg/L | 17.262 | 879.84 | µg/L | 17.262 | 1.96% |
| B 208 IEC | 1554.6 | 820.89 | µg/L | 7.258 | 820.89 | µg/L | 7.258 | 0.88% |
| BA 233 IEC | 30860.5 | 877.80 | µg/L | 15.754 | 877.80 | µg/L | 15.754 | 1.79% |
| BE 313 IEC | 2000664.1 | 886.33 | µg/L | 13.919 | 886.33 | µg/L | 13.919 | 1.57% |
| CA 317 IEC | 255035.4 | 450900 | µg/L | 10736.4 | 450900 | µg/L | 10736.4 | 2.38% |
| CD 226 IEC | 33203.3 | 816.78 | µg/L | 14.052 | 816.78 | µg/L | 14.052 | 1.72% |
| CO 228 IEC | 9964.5 | 818.40 | µg/L | 15.287 | 818.40 | µg/L | 15.287 | 1.87% |
| CR 267 IEC | 52473.1 | 911.34 | µg/L | 19.848 | 911.34 | µg/L | 19.848 | 2.18% |
| CU 324 IEC | 148762.0 | 931.95 | µg/L | 22.662 | 931.95 | µg/L | 22.662 | 2.43% |
| FE 238 IEC | 28200.4 | 174940 | µg/L | 4381.0 | 174940 | µg/L | 4381.0 | 2.50% |
| FE 238 LOW | 5921273.0 | 150750 | µg/L | 1966.4 | 150750 | µg/L | 1966.4 | 1.30% |
| K 766 IEC | -320.8 | -147.10 | µg/L | 51.082 | -147.10 | µg/L | 51.082 | 34.73% |
| LI 670 IEC | 25894.5 | 1004.0 | µg/L | 24.31 | 1004.0 | µg/L | 24.31 | 2.42% |
| MG 279 IEC | 53194.0 | 453710 | µg/L | 10308.2 | 453710 | µg/L | 10308.2 | 2.27% |
| MN 257 IEC | 214975.3 | 857.46 | µg/L | 16.367 | 857.46 | µg/L | 16.367 | 1.91% |
| MO 202 IEC | 3321.9 | 871.45 | µg/L | 1.753 | 871.45 | µg/L | 1.753 | 0.20% |
| NA 589 IEC | 2285.9 | 739.58 | µg/L | 18.866 | 739.58 | µg/L | 18.866 | 2.55% |
| NI 231 IEC | 8487.4 | 819.95 | µg/L | 17.768 | 819.95 | µg/L | 17.768 | 2.17% |
| PB 220 IEC | 2000.9 | 855.15 | µg/L | 6.772 | 855.15 | µg/L | 6.772 | 0.79% |
| SB 217 IEC | 1236.9 | 914.07 | µg/L | 1.350 | 914.07 | µg/L | 1.350 | 0.15% |
| SE 196 IEC | 348.6 | 852.12 | µg/L | 28.207 | 852.12 | µg/L | 28.207 | 3.31% |
| SN 189 IEC | 580.5 | 753.86 | µg/L | 1.112 | 753.86 | µg/L | 1.112 | 0.15% |
| SR 407 IEC | 69118.0 | 972.27 | µg/L | 18.663 | 972.27 | µg/L | 18.663 | 1.92% |
| TI 334 IEC | 409778.0 | 905.26 | µg/L | 19.437 | 905.26 | µg/L | 19.437 | 2.15% |
| TL 190 IEC | 226.7 | 723.65 | µg/L | 1.735 | 723.65 | µg/L | 1.735 | 0.24% |
| V 292 IEC | 93696.4 | 895.76 | µg/L | 16.206 | 895.76 | µg/L | 16.206 | 1.81% |
| ZN 206 IEC | 8316.6 | 834.76 | µg/L | 0.347 | 834.76 | µg/L | 0.347 | 0.04% |
| SI 251 IEC | 699.7 | -1995.9 | µg/L | 123.97 | -1995.9 | µg/L | 123.97 | 6.21% |

Sequence No.: 75
Sample ID: CRI3
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 160
Date Collected: 12/21/2006 3:51:43 PM

Sample Prep Volume:
Data Type: Original

Mean Data: CRI3

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | 874.5 | 9.40 | µg/L | 0.855 | 9.40 | µg/L | 0.855 | 9.10% |
| AL 308 IEC | 38.3 | 422.81 | µg/L | 22.428 | 422.81 | µg/L | 22.428 | 5.30% |
| AL 308 LOW | 3616.9 | 356.99 | µg/L | 9.978 | 356.99 | µg/L | 9.978 | 2.79% |
| AS 188 IEC | 6.0 | 22.67 | µg/L | 6.053 | 22.67 | µg/L | 6.053 | 26.70% |
| B 208 IEC | 90.5 | 47.81 | µg/L | 1.375 | 47.81 | µg/L | 1.375 | 2.88% |
| BA 233 IEC | 749.6 | 21.32 | µg/L | 0.108 | 21.32 | µg/L | 0.108 | 0.51% |
| BE 313 IEC | 45627.7 | 20.21 | µg/L | 0.058 | 20.21 | µg/L | 0.058 | 0.29% |
| CA 317 IEC | 220.8 | 390.35 | µg/L | 22.116 | 390.35 | µg/L | 22.116 | 5.67% |
| CD 226 IEC | 867.2 | 21.52 | µg/L | 0.112 | 21.52 | µg/L | 0.112 | 0.52% |
| CO 228 IEC | 272.7 | 22.40 | µg/L | 0.347 | 22.40 | µg/L | 0.347 | 1.55% |
| CR 267 IEC | 1169.6 | 20.31 | µg/L | 0.997 | 20.31 | µg/L | 0.997 | 4.91% |
| CU 324 IEC | 3983.9 | 24.96 | µg/L | 0.515 | 24.96 | µg/L | 0.515 | 2.06% |
| FE 238 IEC | 50.4 | 312.69 | µg/L | 8.340 | 312.69 | µg/L | 8.340 | 2.67% |
| FE 238 LOW | 11740.4 | 298.90 | µg/L | 6.071 | 298.90 | µg/L | 6.071 | 2.03% |
| K 766 IEC | 262.9 | 120.52 | µg/L | 52.030 | 120.52 | µg/L | 52.030 | 43.17% |
| LI 670 IEC | 561.7 | 21.78 | µg/L | 1.893 | 21.78 | µg/L | 1.893 | 8.69% |
| MG 279 IEC | 66.9 | 570.50 | µg/L | 14.047 | 570.50 | µg/L | 14.047 | 2.46% |
| MN 257 IEC | 5437.6 | 21.69 | µg/L | 0.148 | 21.69 | µg/L | 0.148 | 0.68% |
| MO 202 IEC | 79.8 | 21.16 | µg/L | 0.029 | 21.16 | µg/L | 0.029 | 0.14% |
| NA 589 IEC | 1596.7 | 516.61 | µg/L | 2.778 | 516.61 | µg/L | 2.778 | 0.54% |
| NI 231 IEC | 229.8 | 22.20 | µg/L | 0.325 | 22.20 | µg/L | 0.325 | 1.46% |
| PB 220 IEC | 46.2 | 19.24 | µg/L | 1.840 | 19.24 | µg/L | 1.840 | 9.57% |
| SB 217 IEC | 24.4 | 17.20 | µg/L | 2.792 | 17.20 | µg/L | 2.792 | 16.23% |
| SE 196 IEC | 16.7 | 40.80 | µg/L | 7.216 | 40.80 | µg/L | 7.216 | 17.69% |
| SN 189 IEC | 14.1 | 18.27 | µg/L | 0.402 | 18.27 | µg/L | 0.402 | 2.20% |
| SR 407 IEC | 1524.4 | 21.44 | µg/L | 0.237 | 21.44 | µg/L | 0.237 | 1.11% |
| TI 334 IEC | 9109.4 | 20.12 | µg/L | 0.033 | 20.12 | µg/L | 0.033 | 0.16% |
| TL 190 IEC | 4.5 | 17.38 | µg/L | 3.266 | 17.38 | µg/L | 3.266 | 18.79% |
| V 292 IEC | 2114.6 | 20.22 | µg/L | 0.446 | 20.22 | µg/L | 0.446 | 2.20% |
| ZN 206 IEC | 209.4 | 21.02 | µg/L | 0.039 | 21.02 | µg/L | 0.039 | 0.19% |
| SI 251 IEC | 15.1 | 80.45 | µg/L | 5.341 | 80.45 | µg/L | 5.341 | 6.64% |

Sequence No.: 76
Sample ID: CCV7
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 12/21/2006 3:56:36 PM

Sample Prep Volume:
Data Type: Original

Mean Data: CCV7

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Calib Std.Dev. | Sample Conc. | Sample Units | Sample Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | 43992.4 | 472.80 | µg/L | 0.649 | 472.80 | µg/L | 0.649 | 0.14% |
| AL 308 IEC | 860.1 | 9502.6 | µg/L | 104.45 | 9502.6 | µg/L | 104.45 | 1.10% |
| AL 308 LOW | 96685.7 | 9542.9 | µg/L | 103.24 | 9542.9 | µg/L | 103.24 | 1.08% |
| AS 188 IEC | 248.4 | 943.90 | µg/L | 1.570 | 943.90 | µg/L | 1.570 | 0.17% |
| B 208 IEC | 1901.2 | 1003.9 | µg/L | 1.43 | 1003.9 | µg/L | 1.43 | 0.14% |
| BA 233 IEC | 33510.3 | 953.17 | µg/L | 2.251 | 953.17 | µg/L | 2.251 | 0.24% |
| BE 313 IEC | 2099733.5 | 930.22 | µg/L | 3.159 | 930.22 | µg/L | 3.159 | 0.34% |
| CA 317 IEC | 5419.2 | 9581.1 | µg/L | 79.75 | 9581.1 | µg/L | 79.75 | 0.83% |
| CD 226 IEC | 38502.4 | 955.69 | µg/L | 3.220 | 955.69 | µg/L | 3.220 | 0.34% |
| CO 228 IEC | 11769.3 | 966.63 | µg/L | 1.446 | 966.63 | µg/L | 1.446 | 0.15% |
| CR 267 IEC | 54785.6 | 951.50 | µg/L | 3.953 | 951.50 | µg/L | 3.953 | 0.42% |
| CU 324 IEC | 150634.8 | 943.69 | µg/L | 4.010 | 943.69 | µg/L | 4.010 | 0.42% |
| FE 238 IEC | 1534.5 | 9519.2 | µg/L | 100.83 | 9519.2 | µg/L | 100.83 | 1.06% |
| FE 238 LOW | 371072.3 | 9447.3 | µg/L | 1.92 | 9447.3 | µg/L | 1.92 | 0.02% |
| K 766 IEC | 21198.0 | 9718.8 | µg/L | 48.74 | 9718.8 | µg/L | 48.74 | 0.50% |
| LI 670 IEC | 25425.2 | 985.82 | µg/L | 5.812 | 985.82 | µg/L | 5.812 | 0.59% |
| MG 279 IEC | 1134.0 | 9672.2 | µg/L | 110.38 | 9672.2 | µg/L | 110.38 | 1.14% |
| MN 257 IEC | 242199.2 | 966.05 | µg/L | 2.121 | 966.05 | µg/L | 2.121 | 0.22% |
| MO 202 IEC | 3564.5 | 946.10 | µg/L | 1.269 | 946.10 | µg/L | 1.269 | 0.13% |
| NA 589 IEC | 31624.7 | 10232 | µg/L | 21.0 | 10232 | µg/L | 21.0 | 0.21% |
| NI 231 IEC | 9983.1 | 964.45 | µg/L | 7.301 | 964.45 | µg/L | 7.301 | 0.76% |
| PB 220 IEC | 2289.1 | 951.91 | µg/L | 1.685 | 951.91 | µg/L | 1.685 | 0.18% |
| SB 217 IEC | 1344.2 | 947.49 | µg/L | 6.759 | 947.49 | µg/L | 6.759 | 0.71% |
| SE 196 IEC | 398.1 | 970.46 | µg/L | 12.428 | 970.46 | µg/L | 12.428 | 1.28% |
| SN 189 IEC | 728.3 | 945.73 | µg/L | 1.366 | 945.73 | µg/L | 1.366 | 0.14% |
| SR 407 IEC | 72417.4 | 1018.7 | µg/L | 4.57 | 1018.7 | µg/L | 4.57 | 0.45% |
| TI 334 IEC | 417107.8 | 921.45 | µg/L | 3.360 | 921.45 | µg/L | 3.360 | 0.36% |
| TL 190 IEC | 245.9 | 955.91 | µg/L | 0.554 | 955.91 | µg/L | 0.554 | 0.06% |
| V 292 IEC | 98539.0 | 942.05 | µg/L | 2.454 | 942.05 | µg/L | 2.454 | 0.26% |
| ZN 206 IEC | 9623.0 | 965.89 | µg/L | 1.070 | 965.89 | µg/L | 1.070 | 0.11% |
| SI 251 IEC | 845.6 | 4728.4 | µg/L | 58.77 | 4728.4 | µg/L | 58.77 | 1.24% |

Sequence No.: 77
Sample ID: CCB7
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 12/21/2006 4:01:43 PM

Sample Prep Volume:
Data Type: Original

Mean Data: CCB7

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | -3.1 | -0.03 | µg/L | 0.357 | -0.03 | µg/L | 0.357 | >999.9% |
| AL 308 IEC | 8.1 | 89.85 | µg/L | 0.005 | 89.85 | µg/L | 0.005 | 0.01% |
| AL 308 LOW | 397.8 | 39.26 | µg/L | 7.403 | 39.26 | µg/L | 7.403 | 18.86% |
| AS 188 IEC | 1.4 | 5.37 | µg/L | 2.853 | 5.37 | µg/L | 2.853 | 53.11% |
| B 208 IEC | 55.8 | 29.44 | µg/L | 2.264 | 29.44 | µg/L | 2.264 | 7.69% |
| BA 233 IEC | 9.9 | 0.28 | µg/L | 0.021 | 0.28 | µg/L | 0.021 | 7.38% |
| BE 313 IEC | 287.8 | 0.13 | µg/L | 0.028 | 0.13 | µg/L | 0.028 | 21.89% |
| CA 317 IEC | 23.0 | 40.58 | µg/L | 1.005 | 40.58 | µg/L | 1.005 | 2.48% |
| CD 226 IEC | 9.0 | 0.22 | µg/L | 0.123 | 0.22 | µg/L | 0.123 | 55.03% |
| CO 228 IEC | 5.2 | 0.43 | µg/L | 0.201 | 0.43 | µg/L | 0.201 | 47.14% |
| CR 267 IEC | -34.4 | -0.60 | µg/L | 0.649 | -0.60 | µg/L | 0.649 | 108.71% |
| CU 324 IEC | 696.6 | 4.36 | µg/L | 0.197 | 4.36 | µg/L | 0.197 | 4.52% |
| FE 238 IEC | 3.4 | 20.83 | µg/L | 6.743 | 20.83 | µg/L | 6.743 | 32.38% |
| FE 238 LOW | 542.8 | 13.82 | µg/L | 0.873 | 13.82 | µg/L | 0.873 | 6.32% |
| K 766 IEC | -171.8 | -78.77 | µg/L | 28.833 | -78.77 | µg/L | 28.833 | 36.60% |
| LI 670 IEC | 24.9 | 0.97 | µg/L | 1.044 | 0.97 | µg/L | 1.044 | 108.14% |
| MG 279 IEC | 19.2 | 164.03 | µg/L | 6.809 | 164.03 | µg/L | 6.809 | 4.15% |
| MN 257 IEC | 138.7 | 0.55 | µg/L | 0.048 | 0.55 | µg/L | 0.048 | 8.74% |
| MO 202 IEC | 1.3 | 0.34 | µg/L | 0.425 | 0.34 | µg/L | 0.425 | 123.32% |
| NA 589 IEC | 829.5 | 268.37 | µg/L | 68.345 | 268.37 | µg/L | 68.345 | 25.47% |
| NI 231 IEC | 4.0 | 0.39 | µg/L | 0.475 | 0.39 | µg/L | 0.475 | 122.38% |
| PB 220 IEC | 1.7 | 0.73 | µg/L | 2.201 | 0.73 | µg/L | 2.201 | 302.18% |
| SB 217 IEC | -3.7 | -2.60 | µg/L | 2.101 | -2.60 | µg/L | 2.101 | 80.85% |
| SE 196 IEC | 7.5 | 18.16 | µg/L | 15.203 | 18.16 | µg/L | 15.203 | 83.74% |
| SN 189 IEC | -0.7 | -0.89 | µg/L | 0.502 | -0.89 | µg/L | 0.502 | 56.52% |
| SR 407 IEC | 4.2 | 0.06 | µg/L | 0.027 | 0.06 | µg/L | 0.027 | 46.29% |
| TI 334 IEC | 80.4 | 0.18 | µg/L | 0.018 | 0.18 | µg/L | 0.018 | 10.40% |
| TL 190 IEC | -2.8 | -10.99 | µg/L | 4.226 | -10.99 | µg/L | 4.226 | 38.43% |
| V 292 IEC | -5.3 | -0.05 | µg/L | 0.126 | -0.05 | µg/L | 0.126 | 246.34% |
| ZN 206 IEC | -1.2 | -0.12 | µg/L | 0.069 | -0.12 | µg/L | 0.069 | 56.71% |
| SI 251 IEC | 0.8 | 3.70 | µg/L | 11.269 | 3.70 | µg/L | 11.269 | 304.54% |

Sequence No.: 78
Sample ID: 20491286/80247
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 132
Date Collected: 12/21/2006 4:06:33 PM

Sample Prep Volume:
Data Type: Original

Mean Data: 20491286/80247

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | -46.7 | -0.10 | µg/L | 1.094 | -0.10 | µg/L | 1.094 | >999.9% |
| AL 308 IEC | 26.0 | 286.96 | µg/L | 5.865 | 286.96 | µg/L | 5.865 | 2.04% |
| AL 308 LOW | 2661.5 | 262.69 | µg/L | 0.348 | 262.69 | µg/L | 0.348 | 0.13% |
| AS 188 IEC | -1.2 | -3.03 | µg/L | 12.147 | -3.03 | µg/L | 12.147 | 400.48% |
| B 208 IEC | 126.1 | 66.58 | µg/L | 0.247 | 66.58 | µg/L | 0.247 | 0.37% |
| BA 233 IEC | 1490.7 | 42.40 | µg/L | 0.002 | 42.40 | µg/L | 0.002 | 0.00% |
| BE 313 IEC | -66.0 | -0.03 | µg/L | 0.065 | -0.03 | µg/L | 0.065 | 223.06% |
| CA 317 IEC | 17463.8 | 30876 | µg/L | 583.9 | 30876 | µg/L | 583.9 | 1.89% |
| CD 226 IEC | 71.1 | 1.76 | µg/L | 0.089 | 1.76 | µg/L | 0.089 | 5.06% |
| CO 228 IEC | 8.8 | 0.72 | µg/L | 0.200 | 0.72 | µg/L | 0.200 | 27.75% |
| CR 267 IEC | 4110.5 | 71.39 | µg/L | 0.065 | 71.39 | µg/L | 0.065 | 0.09% |
| CU 324 IEC | 5566.9 | 34.88 | µg/L | 0.481 | 34.88 | µg/L | 0.481 | 1.38% |
| FE 238 IEC | 22.4 | 138.97 | µg/L | 5.903 | 138.97 | µg/L | 5.903 | 4.25% |
| FE 238 LOW | 5521.7 | 140.58 | µg/L | 0.294 | 140.58 | µg/L | 0.294 | 0.21% |
| K 766 IEC | 4648.0 | 2131.0 | µg/L | 47.02 | 2131.0 | µg/L | 47.02 | 2.21% |
| LI 670 IEC | 114.9 | 4.45 | µg/L | 1.108 | 4.45 | µg/L | 1.108 | 24.87% |
| MG 279 IEC | 657.2 | 5605.4 | µg/L | 21.35 | 5605.4 | µg/L | 21.35 | 0.38% |
| MN 257 IEC | 771.9 | 3.08 | µg/L | 0.020 | 3.08 | µg/L | 0.020 | 0.65% |
| MO 202 IEC | -1.6 | -0.42 | µg/L | 0.557 | -0.42 | µg/L | 0.557 | 131.92% |
| NA 589 IEC | 106737.3 | 34534 | µg/L | 713.0 | 34534 | µg/L | 713.0 | 2.06% |
| NI 231 IEC | 33.4 | 3.23 | µg/L | 0.175 | 3.23 | µg/L | 0.175 | 5.43% |
| PB 220 IEC | -1.7 | -0.71 | µg/L | 2.287 | -0.71 | µg/L | 2.287 | 324.21% |
| SB 217 IEC | -12.0 | -7.55 | µg/L | 1.670 | -7.55 | µg/L | 1.670 | 22.12% |
| SE 196 IEC | 6.5 | 12.58 | µg/L | 15.464 | 12.58 | µg/L | 15.464 | 122.95% |
| SN 189 IEC | -10.3 | -13.40 | µg/L | 2.053 | -13.40 | µg/L | 2.053 | 15.32% |
| SR 407 IEC | 29836.7 | 419.71 | µg/L | 10.294 | 419.71 | µg/L | 10.294 | 2.45% |
| TI 334 IEC | 22300.1 | 49.26 | µg/L | 0.375 | 49.26 | µg/L | 0.375 | 0.76% |
| TL 190 IEC | 6.1 | 12.71 | µg/L | 5.690 | 12.71 | µg/L | 5.690 | 44.76% |
| V 292 IEC | 37.7 | 0.36 | µg/L | 0.202 | 0.36 | µg/L | 0.202 | 56.01% |
| ZN 206 IEC | 267.6 | 26.86 | µg/L | 0.081 | 26.86 | µg/L | 0.081 | 0.30% |
| SI 251 IEC | 1279.7 | 7290.3 | µg/L | 54.16 | 7290.3 | µg/L | 54.16 | 0.74% |

Sequence No.: 79
Sample ID: 20491349
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 133
Date Collected: 12/21/2006 4:11:19 PM

Sample Prep Volume:
Data Type: Original

Mean Data: 20491349

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Calib Std.Dev. | Sample Conc. | Sample Units | Sample Std.Dev. | Sample RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | -127.6 | -0.27 | µg/L | 0.358 | -0.27 | µg/L | 0.358 | 131.20% |
| AL 308 IEC | 4.4 | 48.21 | µg/L | 25.389 | 48.21 | µg/L | 25.389 | 52.67% |
| AL 308 LOW | 527.9 | 52.10 | µg/L | 1.066 | 52.10 | µg/L | 1.066 | 2.05% |
| AS 188 IEC | 4.2 | 19.30 | µg/L | 1.001 | 19.30 | µg/L | 1.001 | 5.19% |
| B 208 IEC | 2457.8 | 1297.8 | µg/L | 16.96 | 1297.8 | µg/L | 16.96 | 1.31% |
| BA 233 IEC | 263.0 | 7.48 | µg/L | 0.221 | 7.48 | µg/L | 0.221 | 2.95% |
| BE 313 IEC | -200.1 | -0.09 | µg/L | 0.033 | -0.09 | µg/L | 0.033 | 37.45% |
| CA 317 IEC | 47816.5 | 84539 | µg/L | 2331.7 | 84539 | µg/L | 2331.7 | 2.76% |
| CD 226 IEC | 9.9 | 0.24 | µg/L | 0.097 | 0.24 | µg/L | 0.097 | 39.99% |
| CO 228 IEC | 36.4 | 2.99 | µg/L | 0.061 | 2.99 | µg/L | 0.061 | 2.03% |
| CR 267 IEC | -8.8 | -0.15 | µg/L | 0.161 | -0.15 | µg/L | 0.161 | 104.89% |
| CU 324 IEC | 584.4 | 3.66 | µg/L | 0.593 | 3.66 | µg/L | 0.593 | 16.20% |
| FE 238 IEC | 16.4 | 101.79 | µg/L | 1.801 | 101.79 | µg/L | 1.801 | 1.77% |
| FE 238 LOW | 4061.9 | 103.41 | µg/L | 2.493 | 103.41 | µg/L | 2.493 | 2.41% |
| K 766 IEC | 20501.4 | 9399.4 | µg/L | 233.99 | 9399.4 | µg/L | 233.99 | 2.49% |
| LI 670 IEC | 1479.0 | 57.35 | µg/L | 2.209 | 57.35 | µg/L | 2.209 | 3.85% |
| MG 279 IEC | 3774.5 | 32194 | µg/L | 74.6 | 32194 | µg/L | 74.6 | 0.23% |
| MN 257 IEC | 3735.0 | 14.90 | µg/L | 0.526 | 14.90 | µg/L | 0.526 | 3.53% |
| MO 202 IEC | 111.0 | 29.48 | µg/L | 1.326 | 29.48 | µg/L | 1.326 | 4.50% |
| NA 589 IEC | 437791.1 | 141640 | µg/L | 920.3 | 141640 | µg/L | 920.3 | 0.65% |
| NI 231 IEC | 4775.6 | 461.36 | µg/L | 9.447 | 461.36 | µg/L | 9.447 | 2.05% |
| PB 220 IEC | -4.3 | -1.77 | µg/L | 0.068 | -1.77 | µg/L | 0.068 | 3.83% |
| SB 217 IEC | -5.3 | -1.39 | µg/L | 4.426 | -1.39 | µg/L | 4.426 | 317.55% |
| SE 196 IEC | 14.2 | 25.67 | µg/L | 12.891 | 25.67 | µg/L | 12.891 | 50.22% |
| SN 189 IEC | -46.1 | -59.81 | µg/L | 6.711 | -59.81 | µg/L | 6.711 | 11.22% |
| SR 407 IEC | 13092.9 | 184.17 | µg/L | 5.084 | 184.17 | µg/L | 5.084 | 2.76% |
| TI 334 IEC | -261.4 | -0.58 | µg/L | 0.146 | -0.58 | µg/L | 0.146 | 25.21% |
| TL 190 IEC | 15.4 | 29.98 | µg/L | 15.068 | 29.98 | µg/L | 15.068 | 50.26% |
| V 292 IEC | 319.3 | 3.05 | µg/L | 0.007 | 3.05 | µg/L | 0.007 | 0.23% |
| ZN 206 IEC | 2225.6 | 223.39 | µg/L | 2.712 | 223.39 | µg/L | 2.712 | 1.21% |
| SI 251 IEC | 734.5 | 3851.4 | µg/L | 21.63 | 3851.4 | µg/L | 21.63 | 0.56% |

Sequence No.: 80
Sample ID: 20491397
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 134
Date Collected: 12/21/2006 4:16:10 PM

Sample Prep Volume:
Data Type: Original

Mean Data: 20491397

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Calib Std.Dev. | Sample Conc. | Sample Units | Sample Std.Dev. | Sample RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | -55.9 | -0.26 | µg/L | 0.052 | -0.26 | µg/L | 0.052 | 19.94% |
| AL 308 IEC | 23.2 | 256.62 | µg/L | 26.764 | 256.62 | µg/L | 26.764 | 10.43% |
| AL 308 LOW | 2568.8 | 253.55 | µg/L | 3.326 | 253.55 | µg/L | 3.326 | 1.31% |
| AS 188 IEC | 1.8 | 7.81 | µg/L | 14.700 | 7.81 | µg/L | 14.700 | 188.25% |
| B 208 IEC | 683.0 | 360.64 | µg/L | 3.315 | 360.64 | µg/L | 3.315 | 0.92% |
| BA 233 IEC | 732.1 | 20.82 | µg/L | 0.120 | 20.82 | µg/L | 0.120 | 0.58% |
| BE 313 IEC | -484.8 | -0.21 | µg/L | 0.013 | -0.21 | µg/L | 0.013 | 6.24% |
| CA 317 IEC | 14735.8 | 26053 | µg/L | 370.1 | 26053 | µg/L | 370.1 | 1.42% |
| CD 226 IEC | 3.5 | 0.08 | µg/L | 0.070 | 0.08 | µg/L | 0.070 | 86.57% |
| CO 228 IEC | 3238.2 | 265.95 | µg/L | 1.599 | 265.95 | µg/L | 1.599 | 0.60% |
| CR 267 IEC | 14.2 | 0.25 | µg/L | 0.009 | 0.25 | µg/L | 0.009 | 3.60% |
| CU 324 IEC | 774.3 | 4.85 | µg/L | 0.064 | 4.85 | µg/L | 0.064 | 1.31% |
| FE 238 IEC | 17.4 | 107.72 | µg/L | 0.787 | 107.72 | µg/L | 0.787 | 0.73% |
| FE 238 LOW | 3997.7 | 101.78 | µg/L | 0.388 | 101.78 | µg/L | 0.388 | 0.38% |
| K 766 IEC | 22506.2 | 10319 | µg/L | 113.7 | 10319 | µg/L | 113.7 | 1.10% |
| LI 670 IEC | 107.9 | 4.18 | µg/L | 0.177 | 4.18 | µg/L | 0.177 | 4.23% |
| MG 279 IEC | 950.4 | 8106.0 | µg/L | 22.13 | 8106.0 | µg/L | 22.13 | 0.27% |
| MN 257 IEC | 8817.9 | 35.17 | µg/L | 0.434 | 35.17 | µg/L | 0.434 | 1.24% |
| MO 202 IEC | 59.1 | 15.69 | µg/L | 0.694 | 15.69 | µg/L | 0.694 | 4.42% |
| NA 589 IEC | 973630.3 | 315010 | µg/L | 4793.0 | 315010 | µg/L | 4793.0 | 1.52% |
| NI 231 IEC | 581.9 | 56.22 | µg/L | 0.105 | 56.22 | µg/L | 0.105 | 0.19% |
| PB 220 IEC | 3.8 | 1.57 | µg/L | 1.670 | 1.57 | µg/L | 1.670 | 106.25% |
| SB 217 IEC | -5.8 | -3.33 | µg/L | 3.594 | -3.33 | µg/L | 3.594 | 107.88% |
| SE 196 IEC | 4.2 | 7.53 | µg/L | 6.666 | 7.53 | µg/L | 6.666 | 88.46% |
| SN 189 IEC | -14.0 | -18.21 | µg/L | 1.476 | -18.21 | µg/L | 1.476 | 8.11% |
| SR 407 IEC | 7791.8 | 109.60 | µg/L | 2.477 | 109.60 | µg/L | 2.477 | 2.26% |
| TI 334 IEC | -57.2 | -0.13 | µg/L | 0.145 | -0.13 | µg/L | 0.145 | 115.14% |
| TL 190 IEC | 7.0 | 18.01 | µg/L | 0.400 | 18.01 | µg/L | 0.400 | 2.22% |
| V 292 IEC | 3936.0 | 37.63 | µg/L | 0.310 | 37.63 | µg/L | 0.310 | 0.82% |
| ZN 206 IEC | 592.7 | 59.50 | µg/L | 0.346 | 59.50 | µg/L | 0.346 | 0.58% |
| SI 251 IEC | 341.2 | 1858.1 | µg/L | 0.74 | 1858.1 | µg/L | 0.74 | 0.04% |

Sequence No.: 81
Sample ID: 20491398
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 135
Date Collected: 12/21/2006 4:21:02 PM

Sample Prep Volume:
Data Type: Original

Mean Data: 20491398

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Calib Std.Dev. | Sample Conc. | Sample Units | Sample Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | -95.8 | -0.71 | µg/L | 0.380 | -0.71 | µg/L | 0.380 | 53.73% |
| AL 308 IEC | 19.3 | 213.01 | µg/L | 10.775 | 213.01 | µg/L | 10.775 | 5.06% |
| AL 308 LOW | 2317.2 | 228.71 | µg/L | 6.303 | 228.71 | µg/L | 6.303 | 2.76% |
| AS 188 IEC | 0.7 | 3.72 | µg/L | 5.092 | 3.72 | µg/L | 5.092 | 136.97% |
| B 208 IEC | 669.1 | 353.32 | µg/L | 0.324 | 353.32 | µg/L | 0.324 | 0.09% |
| BA 233 IEC | 727.9 | 20.70 | µg/L | 0.199 | 20.70 | µg/L | 0.199 | 0.96% |
| BE 313 IEC | -659.9 | -0.29 | µg/L | 0.028 | -0.29 | µg/L | 0.028 | 9.45% |
| CA 317 IEC | 14004.8 | 24760 | µg/L | 729.7 | 24760 | µg/L | 729.7 | 2.95% |
| CD 226 IEC | 6.7 | 0.17 | µg/L | 0.104 | 0.17 | µg/L | 0.104 | 62.99% |
| CO 228 IEC | 3179.1 | 261.10 | µg/L | 0.861 | 261.10 | µg/L | 0.861 | 0.33% |
| CR 267 IEC | -24.2 | -0.42 | µg/L | 0.316 | -0.42 | µg/L | 0.316 | 75.22% |
| CU 324 IEC | 183.4 | 1.15 | µg/L | 0.044 | 1.15 | µg/L | 0.044 | 3.80% |
| FE 238 IEC | 7.7 | 47.85 | µg/L | 6.872 | 47.85 | µg/L | 6.872 | 14.36% |
| FE 238 LOW | 1699.7 | 43.27 | µg/L | 0.041 | 43.27 | µg/L | 0.041 | 0.10% |
| K 766 IEC | 21506.6 | 9860.3 | µg/L | 163.74 | 9860.3 | µg/L | 163.74 | 1.66% |
| LI 670 IEC | 69.9 | 2.71 | µg/L | 1.651 | 2.71 | µg/L | 1.651 | 60.94% |
| MG 279 IEC | 915.0 | 7803.9 | µg/L | 129.80 | 7803.9 | µg/L | 129.80 | 1.66% |
| MN 257 IEC | 9693.4 | 38.66 | µg/L | 0.656 | 38.66 | µg/L | 0.656 | 1.70% |
| MO 202 IEC | 59.6 | 15.81 | µg/L | 0.061 | 15.81 | µg/L | 0.061 | 0.39% |
| NA 589 IEC | 920606.2 | 297850 | µg/L | 6623.6 | 297850 | µg/L | 6623.6 | 2.22% |
| NI 231 IEC | 550.3 | 53.16 | µg/L | 0.751 | 53.16 | µg/L | 0.751 | 1.41% |
| PB 220 IEC | -2.7 | -1.10 | µg/L | 0.476 | -1.10 | µg/L | 0.476 | 43.31% |
| SB 217 IEC | -6.2 | -3.68 | µg/L | 0.405 | -3.68 | µg/L | 0.405 | 11.03% |
| SE 196 IEC | 10.4 | 22.71 | µg/L | 18.415 | 22.71 | µg/L | 18.415 | 81.08% |
| SN 189 IEC | -16.0 | -20.76 | µg/L | 1.187 | -20.76 | µg/L | 1.187 | 5.72% |
| SR 407 IEC | 7383.5 | 103.86 | µg/L | 2.836 | 103.86 | µg/L | 2.836 | 2.73% |
| TI 334 IEC | -89.9 | -0.20 | µg/L | 0.074 | -0.20 | µg/L | 0.074 | 37.32% |
| TL 190 IEC | 6.1 | 15.16 | µg/L | 1.207 | 15.16 | µg/L | 1.207 | 7.96% |
| V 292 IEC | 3874.3 | 37.04 | µg/L | 0.480 | 37.04 | µg/L | 0.480 | 1.30% |
| ZN 206 IEC | 366.3 | 36.77 | µg/L | 0.311 | 36.77 | µg/L | 0.311 | 0.85% |
| SI 251 IEC | 332.1 | 1811.6 | µg/L | 23.78 | 1811.6 | µg/L | 23.78 | 1.31% |

Sequence No.: 82
Sample ID: 20491399
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 136
Date Collected: 12/21/2006 4:25:55 PM

Sample Prep Volume:
Data Type: Original

Mean Data: 20491399

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | -113.5 | -0.88 | µg/L | 0.382 | -0.88 | µg/L | 0.382 | 43.39% |
| AL 308 IEC | 20.8 | 229.53 | µg/L | 41.043 | 229.53 | µg/L | 41.043 | 17.88% |
| AL 308 LOW | 2380.3 | 234.94 | µg/L | 6.715 | 234.94 | µg/L | 6.715 | 2.86% |
| AS 188 IEC | 1.6 | 7.26 | µg/L | 2.916 | 7.26 | µg/L | 2.916 | 40.16% |
| B 208 IEC | 716.2 | 378.17 | µg/L | 1.866 | 378.17 | µg/L | 1.866 | 0.49% |
| BA 233 IEC | 782.5 | 22.26 | µg/L | 0.066 | 22.26 | µg/L | 0.066 | 0.30% |
| BE 313 IEC | -679.3 | -0.30 | µg/L | 0.044 | -0.30 | µg/L | 0.044 | 14.79% |
| CA 317 IEC | 14813.2 | 26190 | µg/L | 186.3 | 26190 | µg/L | 186.3 | 0.71% |
| CD 226 IEC | 7.8 | 0.19 | µg/L | 0.070 | 0.19 | µg/L | 0.070 | 36.21% |
| CO 228 IEC | 3216.2 | 264.15 | µg/L | 0.017 | 264.15 | µg/L | 0.017 | 0.01% |
| CR 267 IEC | -39.6 | -0.69 | µg/L | 0.093 | -0.69 | µg/L | 0.093 | 13.49% |
| CU 324 IEC | 267.8 | 1.68 | µg/L | 0.211 | 1.68 | µg/L | 0.211 | 12.57% |
| FE 238 IEC | 8.0 | 49.93 | µg/L | 3.566 | 49.93 | µg/L | 3.566 | 7.14% |
| FE 238 LOW | 1817.4 | 46.27 | µg/L | 0.382 | 46.27 | µg/L | 0.382 | 0.82% |
| K 766 IEC | 23338.9 | 10700 | µg/L | 33.0 | 10700 | µg/L | 33.0 | 0.31% |
| LI 670 IEC | 60.3 | 2.34 | µg/L | 0.085 | 2.34 | µg/L | 0.085 | 3.63% |
| MG 279 IEC | 985.1 | 8402.4 | µg/L | 32.61 | 8402.4 | µg/L | 32.61 | 0.39% |
| MN 257 IEC | 8133.2 | 32.44 | µg/L | 0.548 | 32.44 | µg/L | 0.548 | 1.69% |
| MO 202 IEC | 55.5 | 14.74 | µg/L | 0.085 | 14.74 | µg/L | 0.085 | 0.57% |
| NA 589 IEC | 1014133.0 | 328110 | µg/L | 8478.4 | 328110 | µg/L | 8478.4 | 2.58% |
| NI 231 IEC | 576.5 | 55.69 | µg/L | 0.444 | 55.69 | µg/L | 0.444 | 0.80% |
| PB 220 IEC | 1.7 | 0.72 | µg/L | 1.667 | 0.72 | µg/L | 1.667 | 231.54% |
| SB 217 IEC | -8.8 | -5.48 | µg/L | 1.719 | -5.48 | µg/L | 1.719 | 31.39% |
| SE 196 IEC | 4.9 | 9.30 | µg/L | 2.777 | 9.30 | µg/L | 2.777 | 29.86% |
| SN 189 IEC | -16.6 | -21.57 | µg/L | 5.952 | -21.57 | µg/L | 5.952 | 27.60% |
| SR 407 IEC | 7774.8 | 109.37 | µg/L | 0.348 | 109.37 | µg/L | 0.348 | 0.32% |
| TI 334 IEC | -121.4 | -0.27 | µg/L | 0.098 | -0.27 | µg/L | 0.098 | 36.60% |
| TL 190 IEC | 5.5 | 12.01 | µg/L | 2.978 | 12.01 | µg/L | 2.978 | 24.79% |
| V 292 IEC | 3854.9 | 36.85 | µg/L | 0.357 | 36.85 | µg/L | 0.357 | 0.97% |
| ZN 206 IEC | 936.4 | 93.99 | µg/L | 0.442 | 93.99 | µg/L | 0.442 | 0.47% |
| SI 251 IEC | 354.2 | 1932.6 | µg/L | 9.61 | 1932.6 | µg/L | 9.61 | 0.50% |

Sequence No.: 83
Sample ID: 20491270
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 137
Date Collected: 12/21/2006 4:30:48 PM

Sample Prep Volume:
Data Type: Original

Mean Data: 20491270

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Calib Std.Dev. | Sample Conc. | Sample Units | Sample Std.Dev. | Sample RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | -91.9 | -0.60 | µg/L | 0.327 | -0.60 | µg/L | 0.327 | 54.75% |
| AL 308 IEC | 38.5 | 424.98 | µg/L | 43.068 | 424.98 | µg/L | 43.068 | 10.13% |
| AL 308 LOW | 4055.6 | 400.29 | µg/L | 2.038 | 400.29 | µg/L | 2.038 | 0.51% |
| AS 188 IEC | 2.9 | 12.37 | µg/L | 1.418 | 12.37 | µg/L | 1.418 | 11.46% |
| B 208 IEC | 76.7 | 40.48 | µg/L | 0.077 | 40.48 | µg/L | 0.077 | 0.19% |
| BA 233 IEC | 2550.6 | 72.55 | µg/L | 0.470 | 72.55 | µg/L | 0.470 | 0.65% |
| BE 313 IEC | -604.2 | -0.27 | µg/L | 0.006 | -0.27 | µg/L | 0.006 | 2.15% |
| CA 317 IEC | 16992.6 | 30043 | µg/L | 203.0 | 30043 | µg/L | 203.0 | 0.68% |
| CD 226 IEC | 13.8 | 0.31 | µg/L | 0.012 | 0.31 | µg/L | 0.012 | 3.79% |
| CO 228 IEC | 9.7 | 0.80 | µg/L | 0.043 | 0.80 | µg/L | 0.043 | 5.39% |
| CR 267 IEC | -2.1 | -0.04 | µg/L | 0.083 | -0.04 | µg/L | 0.083 | 228.10% |
| CU 324 IEC | 490.2 | 3.07 | µg/L | 0.323 | 3.07 | µg/L | 0.323 | 10.52% |
| FE 238 IEC | 118.5 | 735.03 | µg/L | 6.692 | 735.03 | µg/L | 6.692 | 0.91% |
| FE 238 LOW | 29238.7 | 744.40 | µg/L | 2.795 | 744.40 | µg/L | 2.795 | 0.38% |
| K 766 IEC | 26031.1 | 11935 | µg/L | 61.3 | 11935 | µg/L | 61.3 | 0.51% |
| LI 670 IEC | -16.2 | -0.63 | µg/L | 0.321 | -0.63 | µg/L | 0.321 | 51.08% |
| MG 279 IEC | 361.6 | 3084.6 | µg/L | 42.91 | 3084.6 | µg/L | 42.91 | 1.39% |
| MN 257 IEC | 17028.0 | 67.92 | µg/L | 0.131 | 67.92 | µg/L | 0.131 | 0.19% |
| MO 202 IEC | 2.4 | 0.63 | µg/L | 0.555 | 0.63 | µg/L | 0.555 | 87.62% |
| NA 589 IEC | 16027.2 | 5185.5 | µg/L | 123.87 | 5185.5 | µg/L | 123.87 | 2.39% |
| NI 231 IEC | 18.8 | 1.82 | µg/L | 0.178 | 1.82 | µg/L | 0.178 | 9.80% |
| PB 220 IEC | -3.5 | -1.44 | µg/L | 0.138 | -1.44 | µg/L | 0.138 | 9.61% |
| SB 217 IEC | -11.8 | -7.30 | µg/L | 1.776 | -7.30 | µg/L | 1.776 | 24.31% |
| SE 196 IEC | 9.1 | 19.28 | µg/L | 7.512 | 19.28 | µg/L | 7.512 | 38.95% |
| SN 189 IEC | -6.4 | -8.28 | µg/L | 1.289 | -8.28 | µg/L | 1.289 | 15.58% |
| SR 407 IEC | 10279.4 | 144.60 | µg/L | 1.922 | 144.60 | µg/L | 1.922 | 1.33% |
| TI 334 IEC | 5371.6 | 11.87 | µg/L | 0.671 | 11.87 | µg/L | 0.671 | 5.65% |
| TL 190 IEC | 6.1 | 12.92 | µg/L | 6.673 | 12.92 | µg/L | 6.673 | 51.66% |
| V 292 IEC | 149.6 | 1.43 | µg/L | 0.009 | 1.43 | µg/L | 0.009 | 0.63% |
| ZN 206 IEC | 104.6 | 10.50 | µg/L | 0.137 | 10.50 | µg/L | 0.137 | 1.31% |
| SI 251 IEC | 666.1 | 3742.1 | µg/L | 12.07 | 3742.1 | µg/L | 12.07 | 0.32% |

Sequence No.: 84
Sample ID: 20491277
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 138
Date Collected: 12/21/2006 4:35:36 PM

Sample Prep Volume:
Data Type: Original

Mean Data: 20491277

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | -74.2 | -0.41 | µg/L | 0.191 | -0.41 | µg/L | 0.191 | 46.50% |
| AL 308 IEC | 39.0 | 430.71 | µg/L | 7.303 | 430.71 | µg/L | 7.303 | 1.70% |
| AL 308 LOW | 4252.9 | 419.77 | µg/L | 11.475 | 419.77 | µg/L | 11.475 | 2.73% |
| AS 188 IEC | 0.1 | 2.03 | µg/L | 1.051 | 2.03 | µg/L | 1.051 | 51.70% |
| B 208 IEC | 71.8 | 37.91 | µg/L | 1.771 | 37.91 | µg/L | 1.771 | 4.67% |
| BA 233 IEC | 2642.3 | 75.16 | µg/L | 0.177 | 75.16 | µg/L | 0.177 | 0.24% |
| BE 313 IEC | -583.0 | -0.26 | µg/L | 0.062 | -0.26 | µg/L | 0.062 | 24.19% |
| CA 317 IEC | 16825.1 | 29747 | µg/L | 284.9 | 29747 | µg/L | 284.9 | 0.96% |
| CD 226 IEC | 7.2 | 0.15 | µg/L | 0.078 | 0.15 | µg/L | 0.078 | 52.90% |
| CO 228 IEC | 8.7 | 0.71 | µg/L | 0.173 | 0.71 | µg/L | 0.173 | 24.36% |
| CR 267 IEC | -16.8 | -0.29 | µg/L | 0.010 | -0.29 | µg/L | 0.010 | 3.39% |
| CU 324 IEC | 526.4 | 3.30 | µg/L | 0.042 | 3.30 | µg/L | 0.042 | 1.26% |
| FE 238 IEC | 116.3 | 721.34 | µg/L | 7.582 | 721.34 | µg/L | 7.582 | 1.05% |
| FE 238 LOW | 28973.5 | 737.65 | µg/L | 0.518 | 737.65 | µg/L | 0.518 | 0.07% |
| K 766 IEC | 25255.5 | 11579 | µg/L | 7.5 | 11579 | µg/L | 7.5 | 0.06% |
| LI 670 IEC | -60.5 | -2.34 | µg/L | 0.262 | -2.34 | µg/L | 0.262 | 11.17% |
| MG 279 IEC | 345.9 | 2950.1 | µg/L | 24.98 | 2950.1 | µg/L | 24.98 | 0.85% |
| MN 257 IEC | 15044.6 | 60.01 | µg/L | 0.554 | 60.01 | µg/L | 0.554 | 0.92% |
| MO 202 IEC | 1.7 | 0.44 | µg/L | 0.866 | 0.44 | µg/L | 0.866 | 196.17% |
| NA 589 IEC | 14540.9 | 4704.6 | µg/L | 4.63 | 4704.6 | µg/L | 4.63 | 0.10% |
| NI 231 IEC | 20.0 | 1.93 | µg/L | 1.000 | 1.93 | µg/L | 1.000 | 51.75% |
| PB 220 IEC | -1.0 | -0.41 | µg/L | 0.212 | -0.41 | µg/L | 0.212 | 52.14% |
| SB 217 IEC | -6.3 | -3.51 | µg/L | 2.009 | -3.51 | µg/L | 2.009 | 57.21% |
| SE 196 IEC | 9.1 | 19.18 | µg/L | 2.749 | 19.18 | µg/L | 2.749 | 14.33% |
| SN 189 IEC | -9.2 | -12.00 | µg/L | 0.989 | -12.00 | µg/L | 0.989 | 8.25% |
| SR 407 IEC | 9987.8 | 140.50 | µg/L | 2.128 | 140.50 | µg/L | 2.128 | 1.51% |
| TI 334 IEC | 5587.2 | 12.34 | µg/L | 0.081 | 12.34 | µg/L | 0.081 | 0.65% |
| TL 190 IEC | 5.8 | 12.00 | µg/L | 3.409 | 12.00 | µg/L | 3.409 | 28.41% |
| V 292 IEC | 127.8 | 1.22 | µg/L | 0.012 | 1.22 | µg/L | 0.012 | 0.94% |
| ZN 206 IEC | 101.0 | 10.14 | µg/L | 0.057 | 10.14 | µg/L | 0.057 | 0.56% |
| SI 251 IEC | 657.1 | 3691.7 | µg/L | 44.77 | 3691.7 | µg/L | 44.77 | 1.21% |

12/21/2006 4:42:01 PM Hg ReAlign... Actual peak offset (nm): -0.001
Drift (nm): -0.000 Slit adjustment: -2

Sequence No.: 86
Sample ID: 20491278
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 139
Date Collected: 12/21/2006 4:42:03 PM
Sample Prep Volume:
Data Type: Original

Mean Data: 20491278

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | -40.0 | -0.06 | µg/L | 0.218 | -0.06 | µg/L | 0.218 | 382.73% |
| AL 308 IEC | 26.2 | 289.31 | µg/L | 19.957 | 289.31 | µg/L | 19.957 | 6.90% |
| AL 308 LOW | 2591.3 | 255.76 | µg/L | 4.954 | 255.76 | µg/L | 4.954 | 1.94% |
| AS 188 IEC | 3.1 | 13.22 | µg/L | 3.401 | 13.22 | µg/L | 3.401 | 25.72% |
| B 208 IEC | 278.5 | 147.06 | µg/L | 2.258 | 147.06 | µg/L | 2.258 | 1.54% |
| BA 233 IEC | 1720.6 | 48.94 | µg/L | 0.161 | 48.94 | µg/L | 0.161 | 0.33% |
| BE 313 IEC | -665.9 | -0.29 | µg/L | 0.011 | -0.29 | µg/L | 0.011 | 3.76% |
| CA 317 IEC | 16215.6 | 28669 | µg/L | 548.8 | 28669 | µg/L | 548.8 | 1.91% |
| CD 226 IEC | 10.3 | 0.21 | µg/L | 0.208 | 0.21 | µg/L | 0.208 | 100.26% |
| CO 228 IEC | 15.9 | 1.31 | µg/L | 0.338 | 1.31 | µg/L | 0.338 | 25.86% |
| CR 267 IEC | -43.3 | -0.75 | µg/L | 0.142 | -0.75 | µg/L | 0.142 | 18.95% |
| CU 324 IEC | 289.4 | 1.81 | µg/L | 0.467 | 1.81 | µg/L | 0.467 | 25.77% |
| FE 238 IEC | 170.3 | 1056.5 | µg/L | 3.98 | 1056.5 | µg/L | 3.98 | 0.38% |
| FE 238 LOW | 42136.7 | 1072.8 | µg/L | 17.58 | 1072.8 | µg/L | 17.58 | 1.64% |
| K 766 IEC | 8561.0 | 3925.0 | µg/L | 63.46 | 3925.0 | µg/L | 63.46 | 1.62% |
| LI 670 IEC | -22.6 | -0.88 | µg/L | 0.322 | -0.88 | µg/L | 0.322 | 36.66% |
| MG 279 IEC | 343.1 | 2926.7 | µg/L | 5.39 | 2926.7 | µg/L | 5.39 | 0.18% |
| MN 257 IEC | 94895.4 | 378.51 | µg/L | 5.839 | 378.51 | µg/L | 5.839 | 1.54% |
| MO 202 IEC | 2.0 | 0.53 | µg/L | 0.533 | 0.53 | µg/L | 0.533 | 100.42% |
| NA 589 IEC | 16980.4 | 5493.9 | µg/L | 85.59 | 5493.9 | µg/L | 85.59 | 1.56% |
| NI 231 IEC | 3.8 | 0.37 | µg/L | 0.075 | 0.37 | µg/L | 0.075 | 20.41% |
| PB 220 IEC | -6.2 | -2.56 | µg/L | 1.190 | -2.56 | µg/L | 1.190 | 46.50% |
| SB 217 IEC | -7.1 | -4.04 | µg/L | 2.333 | -4.04 | µg/L | 2.333 | 57.74% |
| SE 196 IEC | 7.9 | 16.44 | µg/L | 4.083 | 16.44 | µg/L | 4.083 | 24.83% |
| SN 189 IEC | -4.8 | -6.28 | µg/L | 1.612 | -6.28 | µg/L | 1.612 | 25.67% |
| SR 407 IEC | 11802.6 | 166.02 | µg/L | 4.033 | 166.02 | µg/L | 4.033 | 2.43% |
| TI 334 IEC | 3687.1 | 8.15 | µg/L | 0.514 | 8.15 | µg/L | 0.514 | 6.31% |
| TL 190 IEC | 6.7 | 16.09 | µg/L | 13.838 | 16.09 | µg/L | 13.838 | 85.99% |
| V 292 IEC | 93.6 | 0.89 | µg/L | 0.781 | 0.89 | µg/L | 0.781 | 87.24% |
| ZN 206 IEC | 196.7 | 19.75 | µg/L | 0.117 | 19.75 | µg/L | 0.117 | 0.59% |
| SI 251 IEC | 830.0 | 4694.6 | µg/L | 47.27 | 4694.6 | µg/L | 47.27 | 1.01% |

Sequence No.: 87
Sample ID: 20491285
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 140
Date Collected: 12/21/2006 4:46:52 PM
Sample Prep Volume:
Data Type: Original

Mean Data: 20491285

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | -51.5 | -0.12 | µg/L | 0.422 | -0.12 | µg/L | 0.422 | 362.81% |
| AL 308 IEC | 22.3 | 246.06 | µg/L | 3.788 | 246.06 | µg/L | 3.788 | 1.54% |
| AL 308 LOW | 2565.6 | 253.23 | µg/L | 2.953 | 253.23 | µg/L | 2.953 | 1.17% |
| AS 188 IEC | -0.1 | 1.16 | µg/L | 8.112 | 1.16 | µg/L | 8.112 | 698.40% |
| B 208 IEC | 116.2 | 61.35 | µg/L | 0.238 | 61.35 | µg/L | 0.238 | 0.39% |
| BA 233 IEC | 1559.0 | 44.34 | µg/L | 0.561 | 44.34 | µg/L | 0.561 | 1.26% |
| BE 313 IEC | -756.1 | -0.33 | µg/L | 0.047 | -0.33 | µg/L | 0.047 | 13.96% |
| CA 317 IEC | 19049.0 | 33678 | µg/L | 144.0 | 33678 | µg/L | 144.0 | 0.43% |
| CD 226 IEC | 68.7 | 1.70 | µg/L | 0.195 | 1.70 | µg/L | 0.195 | 11.46% |
| CO 228 IEC | 0.9 | 0.07 | µg/L | 0.123 | 0.07 | µg/L | 0.123 | 172.14% |
| CR 267 IEC | 4222.3 | 73.33 | µg/L | 1.027 | 73.33 | µg/L | 1.027 | 1.40% |
| CU 324 IEC | 5481.6 | 34.34 | µg/L | 0.371 | 34.34 | µg/L | 0.371 | 1.08% |
| FE 238 IEC | 21.5 | 133.09 | µg/L | 1.983 | 133.09 | µg/L | 1.983 | 1.49% |
| FE 238 LOW | 5107.4 | 130.03 | µg/L | 2.365 | 130.03 | µg/L | 2.365 | 1.82% |
| K 766 IEC | 5026.6 | 2304.6 | µg/L | 3.67 | 2304.6 | µg/L | 3.67 | 0.16% |
| LI 670 IEC | -11.1 | -0.43 | µg/L | 0.181 | -0.43 | µg/L | 0.181 | 42.01% |
| MG 279 IEC | 678.2 | 5784.4 | µg/L | 16.56 | 5784.4 | µg/L | 16.56 | 0.29% |
| MN 257 IEC | 841.9 | 3.36 | µg/L | 0.031 | 3.36 | µg/L | 0.031 | 0.92% |
| MO 202 IEC | -3.0 | -0.79 | µg/L | 0.532 | -0.79 | µg/L | 0.532 | 67.12% |
| NA 589 IEC | 116294.2 | 37626 | µg/L | 108.8 | 37626 | µg/L | 108.8 | 0.29% |
| NI 231 IEC | 30.8 | 2.98 | µg/L | 0.564 | 2.98 | µg/L | 0.564 | 18.95% |
| PB 220 IEC | 0.4 | 0.17 | µg/L | 1.220 | 0.17 | µg/L | 1.220 | 716.83% |
| SB 217 IEC | -5.8 | -3.10 | µg/L | 0.309 | -3.10 | µg/L | 0.309 | 9.97% |
| SE 196 IEC | 4.9 | 8.56 | µg/L | 26.634 | 8.56 | µg/L | 26.634 | 311.19% |
| SN 189 IEC | -12.3 | -15.94 | µg/L | 4.420 | -15.94 | µg/L | 4.420 | 27.73% |
| SR 407 IEC | 32967.1 | 463.74 | µg/L | 0.504 | 463.74 | µg/L | 0.504 | 0.11% |
| TI 334 IEC | 23090.1 | 51.01 | µg/L | 0.669 | 51.01 | µg/L | 0.669 | 1.31% |
| TL 190 IEC | 3.8 | 2.77 | µg/L | 2.902 | 2.77 | µg/L | 2.902 | 104.85% |
| V 292 IEC | -51.4 | -0.49 | µg/L | 0.688 | -0.49 | µg/L | 0.688 | 140.08% |
| ZN 206 IEC | 312.8 | 31.39 | µg/L | 0.428 | 31.39 | µg/L | 0.428 | 1.36% |
| SI 251 IEC | 1346.9 | 7669.9 | µg/L | 29.94 | 7669.9 | µg/L | 29.94 | 0.39% |

Sequence No.: 88
Sample ID: 20491479
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 142
Date Collected: 12/21/2006 4:51:42 PM

Sample Prep Volume:
Data Type: Original

Mean Data: 20491479

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | -56.2 | 0.78 | µg/L | 0.799 | 0.78 | µg/L | 0.799 | 102.59% |
| AL 308 IEC | 2.9 | 32.18 | µg/L | 12.464 | 32.18 | µg/L | 12.464 | 38.74% |
| AL 308 LOW | 481.9 | 47.56 | µg/L | 1.429 | 47.56 | µg/L | 1.429 | 3.00% |
| AS 188 IEC | 3.0 | 16.64 | µg/L | 2.443 | 16.64 | µg/L | 2.443 | 14.68% |
| B 208 IEC | 285.1 | 150.54 | µg/L | 4.704 | 150.54 | µg/L | 4.704 | 3.12% |
| BA 233 IEC | 5193.3 | 147.72 | µg/L | 0.432 | 147.72 | µg/L | 0.432 | 0.29% |
| BE 313 IEC | -434.5 | -0.19 | µg/L | 0.048 | -0.19 | µg/L | 0.048 | 24.74% |
| CA 317 IEC | 60231.7 | 106490 | µg/L | 3312.6 | 106490 | µg/L | 3312.6 | 3.11% |
| CD 226 IEC | 45.1 | 1.00 | µg/L | 0.015 | 1.00 | µg/L | 0.015 | 1.46% |
| CO 228 IEC | 9.9 | 0.82 | µg/L | 0.117 | 0.82 | µg/L | 0.117 | 14.28% |
| CR 267 IEC | 5.7 | 0.10 | µg/L | 0.091 | 0.10 | µg/L | 0.091 | 91.31% |
| CU 324 IEC | 1.7 | 0.01 | µg/L | 0.457 | 0.01 | µg/L | 0.457 | >999.9% |
| FE 238 IEC | 442.3 | 2743.7 | µg/L | 10.10 | 2743.7 | µg/L | 10.10 | 0.37% |
| FE 238 LOW | 106997.4 | 2724.1 | µg/L | 3.89 | 2724.1 | µg/L | 3.89 | 0.14% |
| K 766 IEC | 18491.3 | 8477.9 | µg/L | 281.20 | 8477.9 | µg/L | 281.20 | 3.32% |
| LI 670 IEC | -14.3 | -0.55 | µg/L | 0.791 | -0.55 | µg/L | 0.791 | 142.82% |
| MG 279 IEC | 1953.1 | 16658 | µg/L | 73.3 | 16658 | µg/L | 73.3 | 0.44% |
| MN 257 IEC | 72807.9 | 290.41 | µg/L | 2.439 | 290.41 | µg/L | 2.439 | 0.84% |
| MO 202 IEC | -0.8 | -0.21 | µg/L | 0.405 | -0.21 | µg/L | 0.405 | 195.59% |
| NA 589 IEC | 266346.8 | 86174 | µg/L | 1442.2 | 86174 | µg/L | 1442.2 | 1.67% |
| NI 231 IEC | 1.1 | 0.10 | µg/L | 0.297 | 0.10 | µg/L | 0.297 | 283.21% |
| PB 220 IEC | 4.5 | 1.89 | µg/L | 0.327 | 1.89 | µg/L | 0.327 | 17.32% |
| SB 217 IEC | -10.8 | -4.15 | µg/L | 0.391 | -4.15 | µg/L | 0.391 | 9.42% |
| SE 196 IEC | 12.3 | 19.57 | µg/L | 22.406 | 19.57 | µg/L | 22.406 | 114.49% |
| SN 189 IEC | -26.9 | -34.92 | µg/L | 2.770 | -34.92 | µg/L | 2.770 | 7.93% |
| SR 407 IEC | 56167.2 | 790.09 | µg/L | 12.612 | 790.09 | µg/L | 12.612 | 1.60% |
| TI 334 IEC | -218.4 | -0.48 | µg/L | 0.006 | -0.48 | µg/L | 0.006 | 1.20% |
| TL 190 IEC | 15.8 | 23.87 | µg/L | 7.181 | 23.87 | µg/L | 7.181 | 30.09% |
| V 292 IEC | -13.3 | -0.13 | µg/L | 0.243 | -0.13 | µg/L | 0.243 | 191.37% |
| ZN 206 IEC | 161.2 | 16.18 | µg/L | 0.000 | 16.18 | µg/L | 0.000 | 0.00% |
| SI 251 IEC | 1554.5 | 8570.9 | µg/L | 32.84 | 8570.9 | µg/L | 32.84 | 0.38% |

Sequence No.: 89
Sample ID: CCV8
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 12/21/2006 4:56:37 PM

Sample Prep Volume:
Data Type: Original

Mean Data: CCV8

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Calib Std.Dev. | Sample Conc. | Sample Units | Sample Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | 50261.9 | 540.18 | µg/L | 3.214 | 540.18 | µg/L | 3.214 | 0.60% |
| AL 308 IEC | 973.3 | 10752 | µg/L | 43.9 | 10752 | µg/L | 43.9 | 0.41% |
| AL 308 LOW | 108889.4 | 10747 | µg/L | 15.9 | 10747 | µg/L | 15.9 | 0.15% |
| AS 188 IEC | 284.8 | 1082.0 | µg/L | 1.23 | 1082.0 | µg/L | 1.23 | 0.11% |
| B 208 IEC | 2202.0 | 1162.8 | µg/L | 3.03 | 1162.8 | µg/L | 3.03 | 0.26% |
| BA 233 IEC | 38030.8 | 1081.8 | µg/L | 0.69 | 1081.8 | µg/L | 0.69 | 0.06% |
| BE 313 IEC | 2342016.3 | 1037.6 | µg/L | 14.41 | 1037.6 | µg/L | 14.41 | 1.39% |
| CA 317 IEC | 6189.8 | 10944 | µg/L | 102.9 | 10944 | µg/L | 102.9 | 0.94% |
| CD 226 IEC | 43708.0 | 1084.9 | µg/L | 1.45 | 1084.9 | µg/L | 1.45 | 0.13% |
| CO 228 IEC | 13318.1 | 1093.8 | µg/L | 2.84 | 1093.8 | µg/L | 2.84 | 0.26% |
| CR 267 IEC | 62387.2 | 1083.5 | µg/L | 1.92 | 1083.5 | µg/L | 1.92 | 0.18% |
| CU 324 IEC | 171763.4 | 1076.1 | µg/L | 1.68 | 1076.1 | µg/L | 1.68 | 0.16% |
| FE 238 IEC | 1741.4 | 10803 | µg/L | 52.0 | 10803 | µg/L | 52.0 | 0.48% |
| FE 238 LOW | 410448.9 | 10450 | µg/L | 142.9 | 10450 | µg/L | 142.9 | 1.37% |
| K 766 IEC | 23416.7 | 10736 | µg/L | 101.7 | 10736 | µg/L | 101.7 | 0.95% |
| LI 670 IEC | 27779.6 | 1077.1 | µg/L | 13.21 | 1077.1 | µg/L | 13.21 | 1.23% |
| MG 279 IEC | 1257.7 | 10727 | µg/L | 76.3 | 10727 | µg/L | 76.3 | 0.71% |
| MN 257 IEC | 275703.2 | 1099.7 | µg/L | 0.46 | 1099.7 | µg/L | 0.46 | 0.04% |
| MO 202 IEC | 4011.4 | 1064.7 | µg/L | 3.57 | 1064.7 | µg/L | 3.57 | 0.33% |
| NA 589 IEC | 34844.6 | 11274 | µg/L | 66.2 | 11274 | µg/L | 66.2 | 0.59% |
| NI 231 IEC | 11344.4 | 1096.0 | µg/L | 1.72 | 1096.0 | µg/L | 1.72 | 0.16% |
| PB 220 IEC | 2584.7 | 1074.8 | µg/L | 3.69 | 1074.8 | µg/L | 3.69 | 0.34% |
| SB 217 IEC | 1515.4 | 1068.2 | µg/L | 8.25 | 1068.2 | µg/L | 8.25 | 0.77% |
| SE 196 IEC | 442.0 | 1077.5 | µg/L | 7.56 | 1077.5 | µg/L | 7.56 | 0.70% |
| SN 189 IEC | 830.4 | 1078.4 | µg/L | 6.05 | 1078.4 | µg/L | 6.05 | 0.56% |
| SR 407 IEC | 81077.6 | 1140.5 | µg/L | 20.77 | 1140.5 | µg/L | 20.77 | 1.82% |
| TI 334 IEC | 466527.2 | 1030.6 | µg/L | 14.60 | 1030.6 | µg/L | 14.60 | 1.42% |
| TL 190 IEC | 272.6 | 1059.5 | µg/L | 16.54 | 1059.5 | µg/L | 16.54 | 1.56% |
| V 292 IEC | 112451.1 | 1075.1 | µg/L | 0.36 | 1075.1 | µg/L | 0.36 | 0.03% |
| ZN 206 IEC | 10903.1 | 1094.4 | µg/L | 1.92 | 1094.4 | µg/L | 1.92 | 0.18% |
| SI 251 IEC | 986.2 | 5520.6 | µg/L | 105.48 | 5520.6 | µg/L | 105.48 | 1.91% |

Sequence No.: 90
Sample ID: CCB8
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 12/21/2006 5:01:40 PM
Sample Prep Volume:
Data Type: Original

Mean Data: CCB8

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | -3.2 | -0.03 | µg/L | 0.419 | -0.03 | µg/L | 0.419 | >999.9% |
| AL 308 IEC | 2.8 | 31.48 | µg/L | 24.117 | 31.48 | µg/L | 24.117 | 76.60% |
| AL 308 LOW | 159.5 | 15.75 | µg/L | 1.110 | 15.75 | µg/L | 1.110 | 7.05% |
| AS 188 IEC | 2.6 | 10.05 | µg/L | 2.654 | 10.05 | µg/L | 2.654 | 26.40% |
| B 208 IEC | 40.4 | 21.33 | µg/L | 1.409 | 21.33 | µg/L | 1.409 | 6.61% |
| BA 233 IEC | 9.6 | 0.27 | µg/L | 0.110 | 0.27 | µg/L | 0.110 | 40.24% |
| BE 313 IEC | 79.2 | 0.04 | µg/L | 0.020 | 0.04 | µg/L | 0.020 | 58.31% |
| CA 317 IEC | 7.6 | 13.42 | µg/L | 1.074 | 13.42 | µg/L | 1.074 | 8.00% |
| CD 226 IEC | 17.2 | 0.43 | µg/L | 0.017 | 0.43 | µg/L | 0.017 | 4.02% |
| CO 228 IEC | 4.5 | 0.37 | µg/L | 0.110 | 0.37 | µg/L | 0.110 | 29.51% |
| CR 267 IEC | -28.3 | -0.49 | µg/L | 0.080 | -0.49 | µg/L | 0.080 | 16.34% |
| CU 324 IEC | 635.7 | 3.98 | µg/L | 0.607 | 3.98 | µg/L | 0.607 | 15.24% |
| FE 238 IEC | 0.7 | 4.15 | µg/L | 1.081 | 4.15 | µg/L | 1.081 | 26.05% |
| FE 238 LOW | 120.1 | 3.06 | µg/L | 0.053 | 3.06 | µg/L | 0.053 | 1.74% |
| K 766 IEC | -170.5 | -78.19 | µg/L | 2.988 | -78.19 | µg/L | 2.988 | 3.82% |
| LI 670 IEC | 19.9 | 0.77 | µg/L | 0.402 | 0.77 | µg/L | 0.402 | 52.18% |
| MG 279 IEC | 4.6 | 39.26 | µg/L | 5.733 | 39.26 | µg/L | 5.733 | 14.60% |
| MN 257 IEC | 71.3 | 0.28 | µg/L | 0.039 | 0.28 | µg/L | 0.039 | 13.62% |
| MO 202 IEC | 6.1 | 1.62 | µg/L | 0.232 | 1.62 | µg/L | 0.232 | 14.31% |
| NA 589 IEC | 260.2 | 84.20 | µg/L | 8.443 | 84.20 | µg/L | 8.443 | 10.03% |
| NI 231 IEC | 0.3 | 0.03 | µg/L | 0.383 | 0.03 | µg/L | 0.383 | >999.9% |
| PB 220 IEC | 1.5 | 0.63 | µg/L | 0.145 | 0.63 | µg/L | 0.145 | 22.91% |
| SB 217 IEC | -5.2 | -3.63 | µg/L | 3.443 | -3.63 | µg/L | 3.443 | 94.93% |
| SE 196 IEC | 3.1 | 7.51 | µg/L | 12.733 | 7.51 | µg/L | 12.733 | 169.59% |
| SN 189 IEC | 1.5 | 1.97 | µg/L | 1.210 | 1.97 | µg/L | 1.210 | 61.31% |
| SR 407 IEC | 38.9 | 0.55 | µg/L | 0.051 | 0.55 | µg/L | 0.051 | 9.27% |
| TI 334 IEC | 76.4 | 0.17 | µg/L | 0.035 | 0.17 | µg/L | 0.035 | 20.99% |
| TL 190 IEC | 0.0 | 0.13 | µg/L | 9.083 | 0.13 | µg/L | 9.083 | >999.9% |
| V 292 IEC | 3.8 | 0.04 | µg/L | 0.326 | 0.04 | µg/L | 0.326 | 901.17% |
| ZN 206 IEC | -2.8 | -0.28 | µg/L | 0.247 | -0.28 | µg/L | 0.247 | 89.53% |
| SI 251 IEC | -1.5 | -9.24 | µg/L | 9.859 | -9.24 | µg/L | 9.859 | 106.66% |

Sequence No.: 91
Sample ID: 20491382/(1/10)
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 130
Date Collected: 12/21/2006 5:06:31 PM
Sample Prep Volume:
Data Type: Original

Mean Data: 20491382/(1/10)

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | -157.0 | 0.19 | µg/L | 1.967 | 0.19 | µg/L | 1.967 | >999.9% |
| AL 308 IEC | -0.7 | -7.31 | µg/L | 22.107 | -7.31 | µg/L | 22.107 | 302.57% |
| AL 308 LOW | 286.4 | 28.26 | µg/L | 2.484 | 28.26 | µg/L | 2.484 | 8.79% |
| AS 188 IEC | 2.5 | 17.35 | µg/L | 10.018 | 17.35 | µg/L | 10.018 | 57.74% |
| B 208 IEC | 52.5 | 27.72 | µg/L | 1.612 | 27.72 | µg/L | 1.612 | 5.82% |
| BA 233 IEC | 297.4 | 8.46 | µg/L | 0.168 | 8.46 | µg/L | 0.168 | 1.99% |
| BE 313 IEC | -333.9 | -0.15 | µg/L | 0.021 | -0.15 | µg/L | 0.021 | 14.12% |
| CA 317 IEC | 81630.4 | 144320 | µg/L | 5652.1 | 144320 | µg/L | 5652.1 | 3.92% |
| CD 226 IEC | 29.3 | 0.73 | µg/L | 0.024 | 0.73 | µg/L | 0.024 | 3.35% |
| CO 228 IEC | 7.8 | 0.64 | µg/L | 0.136 | 0.64 | µg/L | 0.136 | 21.19% |
| CR 267 IEC | 345.8 | 6.01 | µg/L | 0.165 | 6.01 | µg/L | 0.165 | 2.76% |
| CU 324 IEC | 212.3 | 1.33 | µg/L | 0.585 | 1.33 | µg/L | 0.585 | 43.99% |
| FE 238 IEC | 0.2 | 1.13 | µg/L | 5.110 | 1.13 | µg/L | 5.110 | 450.24% |
| FE 238 LOW | 220.8 | 5.62 | µg/L | 0.143 | 5.62 | µg/L | 0.143 | 2.54% |
| K 766 IEC | 2139.9 | 981.10 | µg/L | 18.225 | 981.10 | µg/L | 18.225 | 1.86% |
| LI 670 IEC | 51.2 | 1.99 | µg/L | 1.028 | 1.99 | µg/L | 1.028 | 51.77% |
| MG 279 IEC | 411.5 | 3509.6 | µg/L | 13.74 | 3509.6 | µg/L | 13.74 | 0.39% |
| MN 257 IEC | 2501.2 | 9.98 | µg/L | 0.074 | 9.98 | µg/L | 0.074 | 0.75% |
| MO 202 IEC | 5.1 | 1.36 | µg/L | 0.845 | 1.36 | µg/L | 0.845 | 62.32% |
| NA 589 IEC | 317324.8 | 102670 | µg/L | 2967.2 | 102670 | µg/L | 2967.2 | 2.89% |
| NI 231 IEC | 133.8 | 12.93 | µg/L | 0.055 | 12.93 | µg/L | 0.055 | 0.43% |
| PB 220 IEC | -4.7 | -1.97 | µg/L | 3.347 | -1.97 | µg/L | 3.347 | 170.14% |
| SB 217 IEC | -9.8 | -2.89 | µg/L | 2.985 | -2.89 | µg/L | 2.985 | 103.15% |
| SE 196 IEC | 13.4 | 17.70 | µg/L | 4.264 | 17.70 | µg/L | 4.264 | 24.09% |
| SN 189 IEC | 33.2 | 43.05 | µg/L | 1.695 | 43.05 | µg/L | 1.695 | 3.94% |
| SR 407 IEC | 15865.3 | 223.17 | µg/L | 0.271 | 223.17 | µg/L | 0.271 | 0.12% |
| TI 334 IEC | -415.0 | -0.92 | µg/L | 0.044 | -0.92 | µg/L | 0.044 | 4.77% |
| TL 190 IEC | 18.9 | 22.41 | µg/L | 8.663 | 22.41 | µg/L | 8.663 | 38.66% |
| V 292 IEC | -4.5 | -0.04 | µg/L | 0.668 | -0.04 | µg/L | 0.668 | >999.9% |
| ZN 206 IEC | 99.3 | 9.96 | µg/L | 0.583 | 9.96 | µg/L | 0.583 | 5.85% |
| SI 251 IEC | 263.0 | 1034.1 | µg/L | 9.78 | 1034.1 | µg/L | 9.78 | 0.95% |

Sequence No.: 92
Sample ID: 20191384/(1/10)
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 131
Date Collected: 12/21/2006 5:11:28 PM
Sample Prep Volume:
Data Type: Original

Mean Data: 20191384/(1/10)

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | -83.1 | 0.66 | µg/L | 0.248 | 0.66 | µg/L | 0.248 | 37.60% |
| AL 308 IEC | 2.2 | 24.22 | µg/L | 2.727 | 24.22 | µg/L | 2.727 | 11.26% |
| AL 308 LOW | 289.1 | 28.53 | µg/L | 2.623 | 28.53 | µg/L | 2.623 | 9.19% |
| AS 188 IEC | 0.8 | 9.20 | µg/L | 4.639 | 9.20 | µg/L | 4.639 | 50.43% |
| B 208 IEC | 75.9 | 40.07 | µg/L | 0.106 | 40.07 | µg/L | 0.106 | 0.26% |
| BA 233 IEC | 53.8 | 1.53 | µg/L | 0.067 | 1.53 | µg/L | 0.067 | 4.41% |
| BE 313 IEC | -368.0 | -0.16 | µg/L | 0.016 | -0.16 | µg/L | 0.016 | 9.52% |
| CA 317 IEC | 67648.7 | 119600 | µg/L | 3976.1 | 119600 | µg/L | 3976.1 | 3.32% |
| CD 226 IEC | 28.1 | 0.68 | µg/L | 0.033 | 0.68 | µg/L | 0.033 | 4.79% |
| CO 228 IEC | 19.5 | 1.60 | µg/L | 0.346 | 1.60 | µg/L | 0.346 | 21.61% |
| CR 267 IEC | 116.1 | 2.02 | µg/L | 0.426 | 2.02 | µg/L | 0.426 | 21.13% |
| CU 324 IEC | 616.3 | 3.86 | µg/L | 0.009 | 3.86 | µg/L | 0.009 | 0.23% |
| FE 238 IEC | 55.0 | 340.91 | µg/L | 9.332 | 340.91 | µg/L | 9.332 | 2.74% |
| FE 238 LOW | 13404.1 | 341.26 | µg/L | 3.025 | 341.26 | µg/L | 3.025 | 0.89% |
| K 766 IEC | 6916.1 | 3170.9 | µg/L | 25.33 | 3170.9 | µg/L | 25.33 | 0.80% |
| LI 670 IEC | 562.9 | 21.83 | µg/L | 1.872 | 21.83 | µg/L | 1.872 | 8.57% |
| MG 279 IEC | 1055.0 | 8998.2 | µg/L | 57.65 | 8998.2 | µg/L | 57.65 | 0.64% |
| MN 257 IEC | 124106.8 | 495.02 | µg/L | 0.821 | 495.02 | µg/L | 0.821 | 0.17% |
| MO 202 IEC | 29.0 | 7.69 | µg/L | 0.451 | 7.69 | µg/L | 0.451 | 5.87% |
| NA 589 IEC | 13950.6 | 4513.6 | µg/L | 252.87 | 4513.6 | µg/L | 252.87 | 5.60% |
| NI 231 IEC | 159.1 | 15.37 | µg/L | 0.166 | 15.37 | µg/L | 0.166 | 1.08% |
| PB 220 IEC | -7.6 | -3.16 | µg/L | 1.417 | -3.16 | µg/L | 1.417 | 44.81% |
| SB 217 IEC | -8.7 | -2.77 | µg/L | 0.322 | -2.77 | µg/L | 0.322 | 11.62% |
| SE 196 IEC | 20.6 | 37.82 | µg/L | 3.596 | 37.82 | µg/L | 3.596 | 9.51% |
| SN 189 IEC | -16.5 | -21.38 | µg/L | 4.368 | -21.38 | µg/L | 4.368 | 20.43% |
| SR 407 IEC | 7528.9 | 105.91 | µg/L | 4.623 | 105.91 | µg/L | 4.623 | 4.37% |
| TI 334 IEC | 593.9 | 1.31 | µg/L | 0.035 | 1.31 | µg/L | 0.035 | 2.64% |
| TL 190 IEC | 18.0 | 27.56 | µg/L | 6.348 | 27.56 | µg/L | 6.348 | 23.03% |
| V 292 IEC | -37.8 | -0.36 | µg/L | 0.448 | -0.36 | µg/L | 0.448 | 124.23% |
| ZN 206 IEC | 96.5 | 9.69 | µg/L | 0.226 | 9.69 | µg/L | 0.226 | 2.33% |
| SI 251 IEC | 67.2 | -43.06 | µg/L | 16.346 | -43.06 | µg/L | 16.346 | 37.96% |

Sequence No.: 93
Sample ID: 20491458/(1/10)
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 141
Date Collected: 12/21/2006 5:16:21 PM

Sample Prep Volume:
Data Type: Original

Mean Data: 20491458/(1/10)

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Calib Std.Dev. | Sample Conc. | Sample Units | Sample Std.Dev. | Sample RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | -44.9 | -0.44 | µg/L | 0.512 | -0.44 | µg/L | 0.512 | 116.43% |
| AL 308 IEC | 8.0 | 88.48 | µg/L | 30.770 | 88.48 | µg/L | 30.770 | 34.78% |
| AL 308 LOW | 613.7 | 60.57 | µg/L | 4.267 | 60.57 | µg/L | 4.267 | 7.04% |
| AS 188 IEC | 1.6 | 6.20 | µg/L | 6.012 | 6.20 | µg/L | 6.012 | 97.04% |
| B 208 IEC | 44.4 | 23.42 | µg/L | 0.216 | 23.42 | µg/L | 0.216 | 0.92% |
| BA 233 IEC | 100.7 | 2.87 | µg/L | 0.142 | 2.87 | µg/L | 0.142 | 4.97% |
| BE 313 IEC | -816.0 | -0.36 | µg/L | 0.005 | -0.36 | µg/L | 0.005 | 1.28% |
| CA 317 IEC | 1852.0 | 3274.3 | µg/L | 44.44 | 3274.3 | µg/L | 44.44 | 1.36% |
| CD 226 IEC | 0.0 | -0.01 | µg/L | 0.041 | -0.01 | µg/L | 0.041 | 416.01% |
| CO 228 IEC | 9.2 | 0.76 | µg/L | 0.066 | 0.76 | µg/L | 0.066 | 8.70% |
| CR 267 IEC | 139.4 | 2.42 | µg/L | 0.023 | 2.42 | µg/L | 0.023 | 0.95% |
| CU 324 IEC | 261.7 | 1.64 | µg/L | 0.203 | 1.64 | µg/L | 0.203 | 12.38% |
| FE 238 IEC | 36.7 | 227.87 | µg/L | 0.270 | 227.87 | µg/L | 0.270 | 0.12% |
| FE 238 LOW | 8895.8 | 226.48 | µg/L | 1.001 | 226.48 | µg/L | 1.001 | 0.44% |
| K 766 IEC | 5237.0 | 2401.1 | µg/L | 74.43 | 2401.1 | µg/L | 74.43 | 3.10% |
| LI 670 IEC | 94.7 | 3.67 | µg/L | 1.665 | 3.67 | µg/L | 1.665 | 45.34% |
| MG 279 IEC | 49.2 | 419.44 | µg/L | 7.130 | 419.44 | µg/L | 7.130 | 1.70% |
| MN 257 IEC | 1928.0 | 7.69 | µg/L | 0.027 | 7.69 | µg/L | 0.027 | 0.35% |
| MO 202 IEC | 90.8 | 24.11 | µg/L | 0.478 | 24.11 | µg/L | 0.478 | 1.98% |
| NA 589 IEC | 4070393.4 | 1316900 | µg/L | 16329.0 | 1316900 | µg/L | 16329.0 | 1.24% |
| NI 231 IEC | 67.0 | 6.48 | µg/L | 0.902 | 6.48 | µg/L | 0.902 | 13.93% |
| PB 220 IEC | -2.9 | -1.20 | µg/L | 1.996 | -1.20 | µg/L | 1.996 | 166.61% |
| SB 217 IEC | -4.3 | -2.90 | µg/L | 0.929 | -2.90 | µg/L | 0.929 | 32.04% |
| SE 196 IEC | 5.7 | 13.50 | µg/L | 16.319 | 13.50 | µg/L | 16.319 | 120.87% |
| SN 189 IEC | -0.4 | -0.53 | µg/L | 0.452 | -0.53 | µg/L | 0.452 | 85.31% |
| SR 407 IEC | 714.4 | 10.05 | µg/L | 0.138 | 10.05 | µg/L | 0.138 | 1.38% |
| TI 334 IEC | 110.6 | 0.24 | µg/L | 0.171 | 0.24 | µg/L | 0.171 | 69.98% |
| TL 190 IEC | -2.9 | -12.47 | µg/L | 6.633 | -12.47 | µg/L | 6.633 | 53.17% |
| V 292 IEC | -43.0 | -0.41 | µg/L | 0.011 | -0.41 | µg/L | 0.011 | 2.66% |
| ZN 206 IEC | 44.3 | 4.44 | µg/L | 0.174 | 4.44 | µg/L | 0.174 | 3.92% |
| SI 251 IEC | 9.1 | 37.97 | µg/L | 4.209 | 37.97 | µg/L | 4.209 | 11.09% |

Sequence No.: 94
Sample ID: 20491494/(1/10)
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 143
Date Collected: 12/21/2006 5:21:19 PM
Sample Prep Volume:
Data Type: Original

Mean Data: 20491494/(1/10)

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | -138.1 | 0.62 | µg/L | 0.328 | 0.62 | µg/L | 0.328 | 52.93% |
| AL 308 IEC | 2.5 | 27.64 | µg/L | 22.522 | 27.64 | µg/L | 22.522 | 81.50% |
| AL 308 LOW | 223.9 | 22.10 | µg/L | 10.289 | 22.10 | µg/L | 10.289 | 46.56% |
| AS 188 IEC | 2.6 | 18.58 | µg/L | 13.577 | 18.58 | µg/L | 13.577 | 73.08% |
| B 208 IEC | 26.7 | 14.11 | µg/L | 1.609 | 14.11 | µg/L | 1.609 | 11.40% |
| BA 233 IEC | 148.4 | 4.22 | µg/L | 0.238 | 4.22 | µg/L | 0.238 | 5.64% |
| BE 313 IEC | -504.5 | -0.22 | µg/L | 0.010 | -0.22 | µg/L | 0.010 | 4.64% |
| CA 317 IEC | 91662.7 | 162060 | µg/L | 127.6 | 162060 | µg/L | 127.6 | 0.08% |
| CD 226 IEC | 27.3 | 0.68 | µg/L | 0.208 | 0.68 | µg/L | 0.208 | 30.73% |
| CO 228 IEC | 12.2 | 1.00 | µg/L | 0.114 | 1.00 | µg/L | 0.114 | 11.34% |
| CR 267 IEC | 156.3 | 2.71 | µg/L | 0.201 | 2.71 | µg/L | 0.201 | 7.42% |
| CU 324 IEC | -43.3 | -0.27 | µg/L | 0.171 | -0.27 | µg/L | 0.171 | 63.14% |
| FE 238 IEC | 1.1 | 6.75 | µg/L | 2.453 | 6.75 | µg/L | 2.453 | 36.32% |
| FE 238 LOW | 91.3 | 2.32 | µg/L | 0.178 | 2.32 | µg/L | 0.178 | 7.65% |
| K 766 IEC | 1561.2 | 715.77 | µg/L | 5.767 | 715.77 | µg/L | 5.767 | 0.81% |
| LI 670 IEC | 9.9 | 0.38 | µg/L | 1.354 | 0.38 | µg/L | 1.354 | 352.26% |
| MG 279 IEC | 240.2 | 2049.0 | µg/L | 17.99 | 2049.0 | µg/L | 17.99 | 0.88% |
| MN 257 IEC | 1969.8 | 7.86 | µg/L | 0.123 | 7.86 | µg/L | 0.123 | 1.57% |
| MO 202 IEC | 9.6 | 2.55 | µg/L | 0.456 | 2.55 | µg/L | 0.456 | 17.85% |
| NA 589 IEC | 283555.6 | 91742 | µg/L | 386.0 | 91742 | µg/L | 386.0 | 0.42% |
| NI 231 IEC | 39.4 | 3.81 | µg/L | 0.376 | 3.81 | µg/L | 0.376 | 9.89% |
| PB 220 IEC | -6.9 | -2.88 | µg/L | 3.391 | -2.88 | µg/L | 3.391 | 117.87% |
| SB 217 IEC | -7.4 | -0.74 | µg/L | 3.433 | -0.74 | µg/L | 3.433 | 465.22% |
| SE 196 IEC | 8.6 | 4.03 | µg/L | 9.608 | 4.03 | µg/L | 9.608 | 238.66% |
| SN 189 IEC | -8.9 | -11.57 | µg/L | 3.546 | -11.57 | µg/L | 3.546 | 30.64% |
| SR 407 IEC | 7956.2 | 111.92 | µg/L | 3.163 | 111.92 | µg/L | 3.163 | 2.83% |
| TI 334 IEC | -648.5 | -1.43 | µg/L | 0.045 | -1.43 | µg/L | 0.045 | 3.12% |
| TL 190 IEC | 21.0 | 24.25 | µg/L | 17.793 | 24.25 | µg/L | 17.793 | 73.36% |
| V 292 IEC | -23.1 | -0.22 | µg/L | 0.515 | -0.22 | µg/L | 0.515 | 232.99% |
| ZN 206 IEC | 139.3 | 13.98 | µg/L | 0.095 | 13.98 | µg/L | 0.095 | 0.68% |
| SI 251 IEC | 179.3 | 496.50 | µg/L | 4.767 | 496.50 | µg/L | 4.767 | 0.96% |

Sequence No.: 95
Sample ID: 20491495/(1/10)
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 144
Date Collected: 12/21/2006 5:26:15 PM
Sample Prep Volume:
Data Type: Original

Mean Data: 20491495/(1/10)

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Calib Std.Dev. | Sample Conc. | Sample Units | Sample Std.Dev. | Sample RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | -249.8 | 1.90 | µg/L | 0.266 | 1.90 | µg/L | 0.266 | 13.95% |
| AL 308 IEC | 3.0 | 33.47 | µg/L | 16.483 | 33.47 | µg/L | 16.483 | 49.25% |
| AL 308 LOW | 267.1 | 26.36 | µg/L | 4.007 | 26.36 | µg/L | 4.007 | 15.20% |
| AS 188 IEC | -1.2 | 14.84 | µg/L | 9.921 | 14.84 | µg/L | 9.921 | 66.85% |
| B 208 IEC | 37.3 | 19.69 | µg/L | 2.066 | 19.69 | µg/L | 2.066 | 10.49% |
| BA 233 IEC | 317.2 | 9.02 | µg/L | 0.045 | 9.02 | µg/L | 0.045 | 0.49% |
| BE 313 IEC | -477.9 | -0.21 | µg/L | 0.005 | -0.21 | µg/L | 0.005 | 2.50% |
| CA 317 IEC | 199828.9 | 353300 | µg/L | 9473.7 | 353300 | µg/L | 9473.7 | 2.68% |
| CD 226 IEC | 33.6 | 0.83 | µg/L | 0.001 | 0.83 | µg/L | 0.001 | 0.17% |
| CO 228 IEC | 14.5 | 1.19 | µg/L | 0.293 | 1.19 | µg/L | 0.293 | 24.65% |
| CR 267 IEC | 292.2 | 5.08 | µg/L | 0.225 | 5.08 | µg/L | 0.225 | 4.43% |
| CU 324 IEC | -169.5 | -1.06 | µg/L | 0.094 | -1.06 | µg/L | 0.094 | 8.86% |
| FE 238 IEC | 0.4 | 2.23 | µg/L | 1.164 | 2.23 | µg/L | 1.164 | 52.26% |
| FE 238 LOW | 89.5 | 2.28 | µg/L | 0.085 | 2.28 | µg/L | 0.085 | 3.73% |
| K 766 IEC | 2204.7 | 1010.8 | µg/L | 7.93 | 1010.8 | µg/L | 7.93 | 0.78% |
| LI 670 IEC | 67.7 | 2.62 | µg/L | 1.004 | 2.62 | µg/L | 1.004 | 38.28% |
| MG 279 IEC | 535.9 | 4570.6 | µg/L | 13.48 | 4570.6 | µg/L | 13.48 | 0.29% |
| MN 257 IEC | 3854.1 | 15.37 | µg/L | 0.022 | 15.37 | µg/L | 0.022 | 0.14% |
| MO 202 IEC | 17.8 | 4.73 | µg/L | 0.871 | 4.73 | µg/L | 0.871 | 18.41% |
| NA 589 IEC | 366926.2 | 118720 | µg/L | 2847.8 | 118720 | µg/L | 2847.8 | 2.40% |
| NI 231 IEC | 134.2 | 12.96 | µg/L | 0.620 | 12.96 | µg/L | 0.620 | 4.79% |
| PB 220 IEC | -10.0 | -4.14 | µg/L | 1.252 | -4.14 | µg/L | 1.252 | 30.24% |
| SB 217 IEC | -15.7 | -1.29 | µg/L | 0.745 | -1.29 | µg/L | 0.745 | 57.94% |
| SE 196 IEC | 17.1 | 4.92 | µg/L | 30.932 | 4.92 | µg/L | 30.932 | 628.18% |
| SN 189 IEC | -17.4 | -22.54 | µg/L | 4.053 | -22.54 | µg/L | 4.053 | 17.98% |
| SR 407 IEC | 20926.8 | 294.37 | µg/L | 7.391 | 294.37 | µg/L | 7.391 | 2.51% |
| TI 334 IEC | -1185.8 | -2.62 | µg/L | 0.058 | -2.62 | µg/L | 0.058 | 2.22% |
| TL 190 IEC | 21.1 | -43.61 | µg/L | 2.541 | -43.61 | µg/L | 2.541 | 5.83% |
| V 292 IEC | -57.3 | -0.55 | µg/L | 0.281 | -0.55 | µg/L | 0.281 | 51.40% |
| ZN 206 IEC | 115.5 | 11.59 | µg/L | 0.201 | 11.59 | µg/L | 0.201 | 1.73% |
| SI 251 IEC | 289.1 | 491.94 | µg/L | 10.846 | 491.94 | µg/L | 10.846 | 2.20% |

Sequence No.: 96
Sample ID: rinse
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 145
Date Collected: 12/21/2006 5:31:12 PM

Sample Prep Volume:
Data Type: Original

Mean Data: rinse

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | -5.7 | -0.05 | µg/L | 0.029 | -0.05 | µg/L | 0.029 | 54.52% |
| AL 308 IEC | 285.1 | 3149.7 | µg/L | 16.12 | 3149.7 | µg/L | 16.12 | 0.51% |
| AL 308 LOW | 30586.1 | 3018.9 | µg/L | 17.74 | 3018.9 | µg/L | 17.74 | 0.59% |
| AS 188 IEC | -0.1 | -0.22 | µg/L | 3.789 | -0.22 | µg/L | 3.789 | >999.9% |
| B 208 IEC | 16.0 | 8.47 | µg/L | 2.326 | 8.47 | µg/L | 2.326 | 27.46% |
| BA 233 IEC | 106.8 | 3.04 | µg/L | 0.013 | 3.04 | µg/L | 0.013 | 0.42% |
| BE 313 IEC | -334.6 | -0.15 | µg/L | 0.002 | -0.15 | µg/L | 0.002 | 1.25% |
| CA 317 IEC | 336.5 | 595.00 | µg/L | 20.176 | 595.00 | µg/L | 20.176 | 3.39% |
| CD 226 IEC | 0.3 | -0.04 | µg/L | 0.052 | -0.04 | µg/L | 0.052 | 131.05% |
| CO 228 IEC | 1.7 | 0.14 | µg/L | 0.174 | 0.14 | µg/L | 0.174 | 127.91% |
| CR 267 IEC | 16.3 | 0.28 | µg/L | 0.920 | 0.28 | µg/L | 0.920 | 325.75% |
| CU 324 IEC | 1256.3 | 7.87 | µg/L | 0.039 | 7.87 | µg/L | 0.039 | 0.50% |
| FE 238 IEC | 176.9 | 1097.4 | µg/L | 10.47 | 1097.4 | µg/L | 10.47 | 0.95% |
| FE 238 LOW | 43551.3 | 1108.8 | µg/L | 8.58 | 1108.8 | µg/L | 8.58 | 0.77% |
| K 766 IEC | -82.3 | -37.74 | µg/L | 20.393 | -37.74 | µg/L | 20.393 | 54.03% |
| LI 670 IEC | -19.3 | -0.75 | µg/L | 0.193 | -0.75 | µg/L | 0.193 | 25.84% |
| MG 279 IEC | 8.1 | 69.17 | µg/L | 12.323 | 69.17 | µg/L | 12.323 | 17.82% |
| MN 257 IEC | 3011.3 | 12.01 | µg/L | 0.140 | 12.01 | µg/L | 0.140 | 1.17% |
| MO 202 IEC | 0.2 | -0.03 | µg/L | 0.827 | -0.03 | µg/L | 0.827 | >999.9% |
| NA 589 IEC | 1340.6 | 433.75 | µg/L | 41.497 | 433.75 | µg/L | 41.497 | 9.57% |
| NI 231 IEC | 25.6 | 2.48 | µg/L | 0.302 | 2.48 | µg/L | 0.302 | 12.18% |
| PB 220 IEC | -3.4 | -1.25 | µg/L | 1.205 | -1.25 | µg/L | 1.205 | 96.46% |
| SB 217 IEC | -1.7 | -0.96 | µg/L | 0.399 | -0.96 | µg/L | 0.399 | 41.66% |
| SE 196 IEC | 1.0 | 2.77 | µg/L | 3.044 | 2.77 | µg/L | 3.044 | 109.96% |
| SN 189 IEC | 0.8 | 1.08 | µg/L | 1.158 | 1.08 | µg/L | 1.158 | 106.86% |
| SR 407 IEC | 63.2 | 0.89 | µg/L | 0.526 | 0.89 | µg/L | 0.526 | 59.15% |
| TI 334 IEC | 665.0 | 1.47 | µg/L | 0.349 | 1.47 | µg/L | 0.349 | 23.75% |
| TL 190 IEC | 0.1 | 0.03 | µg/L | 4.838 | 0.03 | µg/L | 4.838 | >999.9% |
| V 292 IEC | 17.0 | 0.16 | µg/L | 0.150 | 0.16 | µg/L | 0.150 | 92.00% |
| ZN 206 IEC | 745.4 | 74.82 | µg/L | 0.337 | 74.82 | µg/L | 0.337 | 0.45% |
| SI 251 IEC | 2.1 | -7.81 | µg/L | 5.871 | -7.81 | µg/L | 5.871 | 75.21% |

Sequence No.: 97
Sample ID: ICSA4
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 12/21/2006 5:36:04 PM
Sample Prep Volume:
Data Type: Original

Mean Data: ICSA4

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | -186.9 | 4.23 | µg/L | 0.193 | 4.23 | µg/L | 0.193 | 4.57% |
| AL 308 IEC | 48573.6 | 536620 | µg/L | 4421.3 | 536620 | µg/L | 4421.3 | 0.82% |
| AL 308 LOW | 5191954.8 | 512450 | µg/L | 3394.4 | 512450 | µg/L | 3394.4 | 0.66% |
| AS 188 IEC | -0.4 | 6.35 | µg/L | 5.060 | 6.35 | µg/L | 5.060 | 79.66% |
| B 208 IEC | 34.3 | 18.11 | µg/L | 4.629 | 18.11 | µg/L | 4.629 | 25.56% |
| BA 233 IEC | 355.6 | 10.11 | µg/L | 0.332 | 10.11 | µg/L | 0.332 | 3.28% |
| BE 313 IEC | -571.4 | -0.25 | µg/L | 0.023 | -0.25 | µg/L | 0.023 | 9.20% |
| CA 317 IEC | 271705.6 | 480370 | µg/L | 1688.1 | 480370 | µg/L | 1688.1 | 0.35% |
| CD 226 IEC | 585.2 | 5.95 | µg/L | 0.160 | 5.95 | µg/L | 0.160 | 2.69% |
| CO 228 IEC | 71.2 | 5.85 | µg/L | 0.808 | 5.85 | µg/L | 0.808 | 13.82% |
| CR 267 IEC | 3621.4 | 62.90 | µg/L | 0.003 | 62.90 | µg/L | 0.003 | 0.00% |
| CU 324 IEC | 257.6 | 1.61 | µg/L | 0.432 | 1.61 | µg/L | 0.432 | 26.76% |
| FE 238 IEC | 31241.2 | 193800 | µg/L | 1660.3 | 193800 | µg/L | 1660.3 | 0.86% |
| FE 238 LOW | 6379862.4 | 162430 | µg/L | 1093.8 | 162430 | µg/L | 1093.8 | 0.67% |
| K 766 IEC | -303.9 | -139.33 | µg/L | 25.446 | -139.33 | µg/L | 25.446 | 18.26% |
| LI 670 IEC | -32.7 | -1.27 | µg/L | 0.503 | -1.27 | µg/L | 0.503 | 39.69% |
| MG 279 IEC | 58578.1 | 499630 | µg/L | 4952.6 | 499630 | µg/L | 4952.6 | 0.99% |
| MN 257 IEC | 1368.5 | 5.46 | µg/L | 0.149 | 5.46 | µg/L | 0.149 | 2.74% |
| Saturated outside survey window (code 6) | | | | | | | | |
| MO 202 IEC | -11.5 | -14.71 | µg/L | 1.712 | -14.71 | µg/L | 1.712 | 11.63% |
| NA 589 IEC | 1600.6 | 517.85 | µg/L | 77.326 | 517.85 | µg/L | 77.326 | 14.93% |
| NI 231 IEC | 27.5 | 2.66 | µg/L | 0.585 | 2.66 | µg/L | 0.585 | 21.99% |
| PB 220 IEC | -49.8 | 5.48 | µg/L | 1.076 | 5.48 | µg/L | 1.076 | 19.64% |
| SB 217 IEC | -55.3 | 9.34 | µg/L | 3.503 | 9.34 | µg/L | 3.503 | 37.50% |
| SE 196 IEC | -4.9 | -5.51 | µg/L | 3.157 | -5.51 | µg/L | 3.157 | 57.28% |
| SN 189 IEC | -102.7 | -133.39 | µg/L | 2.087 | -133.39 | µg/L | 2.087 | 1.56% |
| SR 407 IEC | 1308.4 | 18.40 | µg/L | 0.614 | 18.40 | µg/L | 0.614 | 3.34% |
| TI 334 IEC | -1536.7 | -3.39 | µg/L | 0.001 | -3.39 | µg/L | 0.001 | 0.03% |
| TL 190 IEC | 22.0 | -85.39 | µg/L | 6.424 | -85.39 | µg/L | 6.424 | 7.52% |
| V 292 IEC | 397.0 | 3.80 | µg/L | 0.256 | 3.80 | µg/L | 0.256 | 6.74% |
| ZN 206 IEC | 91.2 | 9.16 | µg/L | 0.740 | 9.16 | µg/L | 0.740 | 8.08% |
| SI 251 IEC | 11.5 | -6572.4 | µg/L | 54.47 | -6572.4 | µg/L | 54.47 | 0.83% |

Sequence No.: 98
Sample ID: ICSAB4
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 12/21/2006 5:41:09 PM

Sample Prep Volume:
Data Type: Original

Mean Data: ICSAB4

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | 47605.8 | 517.81 | µg/L | 8.085 | 517.81 | µg/L | 8.085 | 1.56% |
| AL 308 IEC | 47520.6 | 524990 | µg/L | 952.0 | 524990 | µg/L | 952.0 | 0.18% |
| AL 308 LOW | 5187148.4 | 511970 | µg/L | 82.0 | 511970 | µg/L | 82.0 | 0.02% |
| AS 188 IEC | 250.4 | 959.67 | µg/L | 6.815 | 959.67 | µg/L | 6.815 | 0.71% |
| B 208 IEC | 1611.1 | 850.76 | µg/L | 2.975 | 850.76 | µg/L | 2.975 | 0.35% |
| BA 233 IEC | 33275.2 | 946.48 | µg/L | 18.239 | 946.48 | µg/L | 18.239 | 1.93% |
| BE 313 IEC | 2182364.5 | 966.82 | µg/L | 1.808 | 966.82 | µg/L | 1.808 | 0.19% |
| CA 317 IEC | 274780.8 | 485810 | µg/L | 901.1 | 485810 | µg/L | 901.1 | 0.19% |
| CD 226 IEC | 35768.3 | 879.79 | µg/L | 18.664 | 879.79 | µg/L | 18.664 | 2.12% |
| CO 228 IEC | 10857.4 | 891.73 | µg/L | 4.762 | 891.73 | µg/L | 4.762 | 0.53% |
| CR 267 IEC | 56529.0 | 981.78 | µg/L | 19.371 | 981.78 | µg/L | 19.371 | 1.97% |
| CU 324 IEC | 160371.2 | 1004.7 | µg/L | 26.24 | 1004.7 | µg/L | 26.24 | 2.61% |
| FE 238 IEC | 30707.2 | 190490 | µg/L | 418.5 | 190490 | µg/L | 418.5 | 0.22% |
| FE 238 LOW | 6378813.1 | 162400 | µg/L | 217.9 | 162400 | µg/L | 217.9 | 0.13% |
| K 766 IEC | -260.1 | -119.25 | µg/L | 7.271 | -119.25 | µg/L | 7.271 | 6.10% |
| LI 670 IEC | 27743.7 | 1075.7 | µg/L | 1.84 | 1075.7 | µg/L | 1.84 | 0.17% |
| MG 279 IEC | 58018.5 | 494860 | µg/L | 371.7 | 494860 | µg/L | 371.7 | 0.08% |
| MN 257 IEC | 230115.5 | 917.85 | µg/L | 17.827 | 917.85 | µg/L | 17.827 | 1.94% |
| MO 202 IEC | 3560.8 | 933.93 | µg/L | 3.448 | 933.93 | µg/L | 3.448 | 0.37% |
| NA 589 IEC | 1240.4 | 401.31 | µg/L | 23.580 | 401.31 | µg/L | 23.580 | 5.88% |
| NI 231 IEC | 9244.3 | 893.07 | µg/L | 4.760 | 893.07 | µg/L | 4.760 | 0.53% |
| PB 220 IEC | 2151.1 | 919.68 | µg/L | 0.113 | 919.68 | µg/L | 0.113 | 0.01% |
| SB 217 IEC | 1331.1 | 984.05 | µg/L | 1.451 | 984.05 | µg/L | 1.451 | 0.15% |
| SE 196 IEC | 377.1 | 922.33 | µg/L | 3.452 | 922.33 | µg/L | 3.452 | 0.37% |
| SN 189 IEC | 641.0 | 832.39 | µg/L | 15.748 | 832.39 | µg/L | 15.748 | 1.89% |
| SR 407 IEC | 75611.1 | 1063.6 | µg/L | 1.42 | 1063.6 | µg/L | 1.42 | 0.13% |
| TI 334 IEC | 436958.3 | 965.31 | µg/L | 17.964 | 965.31 | µg/L | 17.964 | 1.86% |
| TL 190 IEC | 243.8 | 778.05 | µg/L | 7.830 | 778.05 | µg/L | 7.830 | 1.01% |
| V 292 IEC | 100889.5 | 964.52 | µg/L | 19.078 | 964.52 | µg/L | 19.078 | 1.98% |
| ZN 206 IEC | 8870.4 | 890.35 | µg/L | 4.350 | 890.35 | µg/L | 4.350 | 0.49% |
| SI 251 IEC | 761.8 | -2163.0 | µg/L | 33.78 | -2163.0 | µg/L | 33.78 | 1.56% |

12/21/2006 5:47:51 PM Hg ReAlign... Actual peak offset (nm): -0.001
Drift (nm): -0.000 Slit adjustment: -2

Sequence No.: 100
Sample ID: CRI4
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 156
Date Collected: 12/21/2006 5:47:53 PM
Sample Prep Volume:
Data Type: Original

Mean Data: CRI4

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | -95.0 | -1.02 | µg/L | 0.248 | -1.02 | µg/L | 0.248 | 24.33% |
| AL 308 IEC | 1.0 | 11.15 | µg/L | 17.508 | 11.15 | µg/L | 17.508 | 157.07% |
| AL 308 LOW | -1028.3 | -101.50 | µg/L | 12.427 | -101.50 | µg/L | 12.427 | 12.24% |
| AS 188 IEC | -0.3 | -1.31 | µg/L | 3.661 | -1.31 | µg/L | 3.661 | 280.13% |
| B 208 IEC | 4.6 | 2.45 | µg/L | 0.891 | 2.45 | µg/L | 0.891 | 36.41% |
| BA 233 IEC | -23.9 | -0.68 | µg/L | 0.077 | -0.68 | µg/L | 0.077 | 11.39% |
| BE 313 IEC | 3267.7 | 1.45 | µg/L | 0.247 | 1.45 | µg/L | 0.247 | 17.06% |
| CA 317 IEC | 3.7 | 6.52 | µg/L | 20.306 | 6.52 | µg/L | 20.306 | 311.61% |
| CD 226 IEC | 11.3 | 0.28 | µg/L | 0.059 | 0.28 | µg/L | 0.059 | 21.18% |
| CO 228 IEC | -4.0 | -0.33 | µg/L | 0.668 | -0.33 | µg/L | 0.668 | 202.67% |
| CR 267 IEC | -48.7 | -0.85 | µg/L | 0.462 | -0.85 | µg/L | 0.462 | 54.56% |
| CU 324 IEC | -574.8 | -3.60 | µg/L | 0.778 | -3.60 | µg/L | 0.778 | 21.61% |
| FE 238 IEC | -0.0 | -0.29 | µg/L | 2.928 | -0.29 | µg/L | 2.928 | >999.9% |
| FE 238 LOW | 68.3 | 1.74 | µg/L | 3.594 | 1.74 | µg/L | 3.594 | 206.64% |
| K 766 IEC | -84.5 | -38.75 | µg/L | 51.553 | -38.75 | µg/L | 51.553 | 133.06% |
| LI 670 IEC | -191.4 | -7.42 | µg/L | 3.988 | -7.42 | µg/L | 3.988 | 53.73% |
| MG 279 IEC | 5.4 | 46.35 | µg/L | 31.023 | 46.35 | µg/L | 31.023 | 66.94% |
| MN 257 IEC | -109.0 | -0.43 | µg/L | 0.002 | -0.43 | µg/L | 0.002 | 0.40% |
| MO 202 IEC | -2.6 | -0.70 | µg/L | 0.281 | -0.70 | µg/L | 0.281 | 40.26% |
| NA 589 IEC | 2085.6 | 674.79 | µg/L | 175.338 | 674.79 | µg/L | 175.338 | 25.98% |
| NI 231 IEC | -18.8 | -1.82 | µg/L | 0.512 | -1.82 | µg/L | 0.512 | 28.15% |
| PB 220 IEC | 7.6 | 3.16 | µg/L | 1.851 | 3.16 | µg/L | 1.851 | 58.60% |
| SB 217 IEC | -11.6 | -8.15 | µg/L | 1.102 | -8.15 | µg/L | 1.102 | 13.52% |
| SE 196 IEC | 5.9 | 14.37 | µg/L | 4.410 | 14.37 | µg/L | 4.410 | 30.69% |
| SN 189 IEC | 0.7 | 0.92 | µg/L | 2.223 | 0.92 | µg/L | 2.223 | 242.39% |
| SR 407 IEC | 6.9 | 0.10 | µg/L | 0.737 | 0.10 | µg/L | 0.737 | 761.34% |
| TI 334 IEC | -99.7 | -0.22 | µg/L | 0.091 | -0.22 | µg/L | 0.091 | 41.22% |
| TL 190 IEC | -2.2 | -8.53 | µg/L | 10.715 | -8.53 | µg/L | 10.715 | 125.57% |
| V 292 IEC | 17.3 | 0.17 | µg/L | 0.495 | 0.17 | µg/L | 0.495 | 298.77% |
| ZN 206 IEC | -19.6 | -1.97 | µg/L | 0.187 | -1.97 | µg/L | 0.187 | 9.53% |
| SI 251 IEC | -7.9 | -45.99 | µg/L | 17.665 | -45.99 | µg/L | 17.665 | 38.41% |

Sequence No.: 101
Sample ID: CCV10
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 12/21/2006 5:52:43 PM

Sample Prep Volume:
Data Type: Original

Mean Data: CCV10

| Analyte | Mean Corrected Intensity | Conc. | Calib Units | Std.Dev. | Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | 48571.9 | 522.02 | µg/L | 4.903 | 522.02 | µg/L | 4.903 | 0.94% |
| AL 308 IEC | 937.9 | 10361 | µg/L | 43.1 | 10361 | µg/L | 43.1 | 0.42% |
| AL 308 LOW | 106467.1 | 10508 | µg/L | 55.0 | 10508 | µg/L | 55.0 | 0.52% |
| AS 188 IEC | 273.0 | 1037.4 | µg/L | 8.73 | 1037.4 | µg/L | 8.73 | 0.84% |
| B 208 IEC | 2112.6 | 1115.6 | µg/L | 7.54 | 1115.6 | µg/L | 7.54 | 0.68% |
| BA 233 IEC | 36963.7 | 1051.4 | µg/L | 4.13 | 1051.4 | µg/L | 4.13 | 0.39% |
| BE 313 IEC | 2302917.7 | 1020.2 | µg/L | 1.94 | 1020.2 | µg/L | 1.94 | 0.19% |
| CA 317 IEC | 5944.0 | 10509 | µg/L | 67.4 | 10509 | µg/L | 67.4 | 0.64% |
| CD 226 IEC | 42414.2 | 1052.8 | µg/L | 4.05 | 1052.8 | µg/L | 4.05 | 0.38% |
| CO 228 IEC | 12962.1 | 1064.6 | µg/L | 8.18 | 1064.6 | µg/L | 8.18 | 0.77% |
| CR 267 IEC | 60666.7 | 1053.6 | µg/L | 3.59 | 1053.6 | µg/L | 3.59 | 0.34% |
| CU 324 IEC | 165908.7 | 1039.4 | µg/L | 1.61 | 1039.4 | µg/L | 1.61 | 0.15% |
| FE 238 IEC | 1668.4 | 10350 | µg/L | 67.6 | 10350 | µg/L | 67.6 | 0.65% |
| FE 238 LOW | 406330.1 | 10345 | µg/L | 23.6 | 10345 | µg/L | 23.6 | 0.23% |
| K 766 IEC | 23264.3 | 10666 | µg/L | 60.0 | 10666 | µg/L | 60.0 | 0.56% |
| LI 670 IEC | 27389.4 | 1062.0 | µg/L | 0.45 | 1062.0 | µg/L | 0.45 | 0.04% |
| MG 279 IEC | 1228.0 | 10474 | µg/L | 98.0 | 10474 | µg/L | 98.0 | 0.94% |
| MN 257 IEC | 267761.1 | 1068.0 | µg/L | 3.85 | 1068.0 | µg/L | 3.85 | 0.36% |
| MO 202 IEC | 3874.4 | 1028.4 | µg/L | 0.69 | 1028.4 | µg/L | 0.69 | 0.07% |
| NA 589 IEC | 34205.0 | 11067 | µg/L | 55.9 | 11067 | µg/L | 55.9 | 0.50% |
| NI 231 IEC | 11016.4 | 1064.3 | µg/L | 9.22 | 1064.3 | µg/L | 9.22 | 0.87% |
| PB 220 IEC | 2511.7 | 1044.5 | µg/L | 4.18 | 1044.5 | µg/L | 4.18 | 0.40% |
| SB 217 IEC | 1468.6 | 1035.2 | µg/L | 7.45 | 1035.2 | µg/L | 7.45 | 0.72% |
| SE 196 IEC | 438.3 | 1068.2 | µg/L | 13.34 | 1068.2 | µg/L | 13.34 | 1.25% |
| SN 189 IEC | 791.8 | 1028.3 | µg/L | 9.14 | 1028.3 | µg/L | 9.14 | 0.89% |
| SR 407 IEC | 78605.1 | 1105.7 | µg/L | 0.05 | 1105.7 | µg/L | 0.05 | 0.00% |
| TI 334 IEC | 457494.8 | 1010.7 | µg/L | 1.68 | 1010.7 | µg/L | 1.68 | 0.17% |
| TL 190 IEC | 270.3 | 1051.0 | µg/L | 2.90 | 1051.0 | µg/L | 2.90 | 0.28% |
| V 292 IEC | 108836.5 | 1040.5 | µg/L | 2.28 | 1040.5 | µg/L | 2.28 | 0.22% |
| ZN 206 IEC | 10651.4 | 1069.1 | µg/L | 2.91 | 1069.1 | µg/L | 2.91 | 0.27% |
| SI 251 IEC | 960.3 | 5377.9 | µg/L | 8.43 | 5377.9 | µg/L | 8.43 | 0.16% |

Sequence No.: 102
Sample ID: CCB10
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 12/21/2006 5:57:47 PM
Sample Prep Volume:
Data Type: Original

Mean Data: CCB10

| Analyte | Mean Corrected Intensity | Calib Conc. | Calib Units | Std.Dev. | Sample Conc. | Sample Units | Std.Dev. | RSD |
|---|---|---|---|---|---|---|---|---|
| AG 328 IEC | -3.6 | -0.04 | µg/L | 0.122 | -0.04 | µg/L | 0.122 | 318.84% |
| AL 308 IEC | 6.1 | 67.21 | µg/L | 12.495 | 67.21 | µg/L | 12.495 | 18.59% |
| AL 308 LOW | 566.5 | 55.91 | µg/L | 5.629 | 55.91 | µg/L | 5.629 | 10.07% |
| AS 188 IEC | -0.6 | -2.44 | µg/L | 3.898 | -2.44 | µg/L | 3.898 | 160.06% |
| B 208 IEC | 25.8 | 13.64 | µg/L | 1.707 | 13.64 | µg/L | 1.707 | 12.51% |
| BA 233 IEC | 4.3 | 0.12 | µg/L | 0.015 | 0.12 | µg/L | 0.015 | 12.49% |
| BE 313 IEC | 275.5 | 0.12 | µg/L | 0.018 | 0.12 | µg/L | 0.018 | 14.67% |
| CA 317 IEC | 29.5 | 52.18 | µg/L | 0.806 | 52.18 | µg/L | 0.806 | 1.54% |
| CD 226 IEC | 15.3 | 0.38 | µg/L | 0.027 | 0.38 | µg/L | 0.027 | 7.08% |
| CO 228 IEC | 7.6 | 0.62 | µg/L | 0.215 | 0.62 | µg/L | 0.215 | 34.42% |
| CR 267 IEC | -42.9 | -0.75 | µg/L | 0.326 | -0.75 | µg/L | 0.326 | 43.69% |
| CU 324 IEC | 666.8 | 4.18 | µg/L | 0.008 | 4.18 | µg/L | 0.008 | 0.18% |
| FE 238 IEC | 4.4 | 27.27 | µg/L | 6.212 | 27.27 | µg/L | 6.212 | 22.78% |
| FE 238 LOW | 817.6 | 20.82 | µg/L | 1.025 | 20.82 | µg/L | 1.025 | 4.92% |
| K 766 IEC | -155.9 | -71.48 | µg/L | 19.866 | -71.48 | µg/L | 19.866 | 27.79% |
| LI 670 IEC | -53.4 | -2.07 | µg/L | 4.173 | -2.07 | µg/L | 4.173 | 201.52% |
| MG 279 IEC | 23.2 | 197.65 | µg/L | 31.117 | 197.65 | µg/L | 31.117 | 15.74% |
| MN 257 IEC | 120.0 | 0.48 | µg/L | 0.050 | 0.48 | µg/L | 0.050 | 10.36% |
| MO 202 IEC | 1.0 | 0.27 | µg/L | 0.340 | 0.27 | µg/L | 0.340 | 127.89% |
| NA 589 IEC | 92.9 | 30.05 | µg/L | 4.386 | 30.05 | µg/L | 4.386 | 14.59% |
| NI 231 IEC | -7.0 | -0.68 | µg/L | 0.328 | -0.68 | µg/L | 0.328 | 48.37% |
| PB 220 IEC | 1.4 | 0.59 | µg/L | 0.990 | 0.59 | µg/L | 0.990 | 167.63% |
| SB 217 IEC | -4.1 | -2.91 | µg/L | 5.632 | -2.91 | µg/L | 5.632 | 193.38% |
| SE 196 IEC | 4.0 | 9.66 | µg/L | 2.754 | 9.66 | µg/L | 2.754 | 28.49% |
| SN 189 IEC | -0.4 | -0.49 | µg/L | 1.512 | -0.49 | µg/L | 1.512 | 308.81% |
| SR 407 IEC | 8.2 | 0.11 | µg/L | 0.034 | 0.11 | µg/L | 0.034 | 29.30% |
| TI 334 IEC | 92.5 | 0.20 | µg/L | 0.103 | 0.20 | µg/L | 0.103 | 50.62% |
| TL 190 IEC | -1.3 | -5.26 | µg/L | 4.921 | -5.26 | µg/L | 4.921 | 93.56% |
| V 292 IEC | -1.3 | -0.01 | µg/L | 0.381 | -0.01 | µg/L | 0.381 | >999.9% |
| ZN 206 IEC | 6.5 | 0.65 | µg/L | 0.006 | 0.65 | µg/L | 0.006 | 0.94% |
| SI 251 IEC | -2.0 | -13.17 | µg/L | 0.809 | -13.17 | µg/L | 0.809 | 6.14% |

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# ICP Sample Digestion Log

## SOP NO-I-610/611

Batch
**80238**
Page 1 of 2

2464974
2464976

Procedure: 30106010

80305

Block temp (95C): 95

Start Analyst: MHD  Start Date/Time: 12/20/06

End Analyst: MHD  End Date/Time: 12/20/06

| Sample | | | Sample (g mL) | Final Vol (mL) | Spike Vol (mL) | Added Peroxide | | | QC Original |
|---|---|---|---|---|---|---|---|---|---|
| | 20491420 | BLA | 50 | 50 | — | — | | | |
| | 20491421 | LCS | | | 0.25 | | | | |
| | 20489074 | PS | | | — | | | | |
| | 20489231 | PS | | | | | | | |
| | 20489238 | PS | | | | | | | |
| | 20488919 | PS | | | | | | | |
| | 20488920 | OQS | | | | | | | |
| | 20491422 | MS | | | 0.25 | | | | 20488920 |
| | 20491423 | MSD | | | 0.25 | | | | 20488920 |
| | 20488921 | OQS | | | — | | | | |
| | 20491424 | MS | | | 0.25 | | | | 20488921 |
| | 20491425 | MSD | | | 0.25 | | | | 20488921 |
| | 20488922 | OQS | | | — | | | | |
| | 20491426 | MS | | | 0.25 | | | | 20488922 |
| | 20491427 | MSD | | | 0.25 | | | | 20488922 |
| | 20488923 | PS | | | — | | | | |
| | 20488924 | PS | | | | | | | |
| | 20488925 | PS | | | | | | | |
| | 20491034 | PS | | | | | | | |
| | 20491035 | PS | | | | | | | |

**Reagent Lots**

Nitric acid: 1105081
Hydrochloric acid: 4106010
Hydrogen peroxide: 062283
Digitube: A511LS106

LCS Source 1: 528-51-1,2,3
LCS Source 2:
MS Source 1:
MS Source 2:

050115

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New Orleans Laboratory

# ICP Sample Digestion Log

## SOP NO-I-610/611

Batch
**80238**


Procedure: 30106010

Block temp (95C): _____

Start Analyst: _____ Start Date/Time: _____

End Analyst: _____ End Date/Time: _____

| Sample | | | Sample (g mL) | Final Vol (mL) | Spike Vol (mL) | Added Peroxide | | | QC Origin |
|---|---|---|---|---|---|---|---|---|---|
| | 20491036 | PS | 50 | 50 | / | / | | | |
| | 20491037 | PS | ↓ | ↓ | ↓ | ↓ | | | |
| | 20491046 | PS | | | | | | | |
| | 20491047 | PS | | | | | | | |
| | 20491048 | PS | | | | | | | |
| | 20491049 | PS | | | | | | | |
| | 20491054 | PS | ↓ | ↓ | ↓ | ↓ | | | |

27 samples

**Reagent Lots**

Nitric acid: 1105081
Hydrochloric acid: 4106010
Hydrogen peroxide: 062283
Digitube: A511LS106

LCS Source 1: _____
LCS Source 2: _____
MS Source 1: _____
MS Source 2: _____

050116

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**MERCURY**

**SAMPLES, QC & RAW DATA**

**SDG: 2064976**

050117

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# INSTRUMENT RUNLOG

KDG 12/20/06

**Instrument: J** 

**METALS** **MERCURY** **J061220A** 528-54 CAL

| File | Lab ID | Extra | Batch | DF | Date | Time | Comments |
|---|---|---|---|---|---|---|---|
| 1 | S0 | 2Φ64974 ✓ | | | 12/20/06 | 11:05 | |
| 2 | S0.2 | | | | 12/20/06 | 11:07 | |
| 3 | S0.5 | 2Φ6Y976 ✓ | | | 12/20/06 | 11:09 | |
| 4 | S1 | | | | 12/20/06 | 11:11 | |
| 5 | S5 | | | | 12/20/06 | 11:13 | |
| 6 | S10 | | | | 12/20/06 | 11:14 | |
| 7 | S10 | | | | 12/20/06 | 11:14 | |
| 8 | ICV01 | | | 1 | 12/20/06 | 11:18 | |
| 9 | ICB01 | | | 1 | 12/20/06 | 11:19 | |
| 10 | CRI | | | | 12/20/06 | 11:21 | |
| 11 | CCV | | | | 12/20/06 | 11:23 | |
| 12 | CCB | | | | 12/20/06 | 11:25 | |
| 13 | CCB | | | | 12/20/06 | 11:25 | |
| 14 | 20491444 | | 80244 | 1 | 12/20/06 | 11:28 | |
| 15 | 20491445 | | | 1 | 12/20/06 | 11:29 | |
| 16 | 20491349 | | | 1 | 12/20/06 | 11:31 | |
| 17 | 20491445 | | 80244 | 1 | 12/20/06 | 11:33 | |
| 18 | 20491349 | | 80244 | 1 | 12/20/06 | 11:35 | |
| 19 | 20491446 | | 80244 | 1 | 12/20/06 | 11:37 | |
| 20 | 20491447 | | 80244 | 1 | 12/20/06 | 11:38 | |
| 21 | 20491479 | | 80244 | 1 | 12/20/06 | 11:40 | |
| 22 | 20491412 | | 80237 | 1 | 12/20/06 | 11:42 | |
| 23 | 20491413 | | 80237 | 1 | 12/20/06 | 11:44 | |
| 24 | 20488920 | | 80237 | 1 | 12/20/06 | 11:46 | |
| 25 | 20491414 | | 80237 | 1 | 12/20/06 | 11:48 | |
| 26 | CCV | | | | 12/20/06 | 11:50 | |
| 27 | CCB | | | | 12/20/06 | 11:52 | |
| 28 | 20491415 | | 80237 | 1 | 12/20/06 | 11:53 | |
| 29 | 20488921 | | 80237 | 1 | 12/20/06 | 11:55 | |
| 30 | 20491416 | | 80237 | 1 | 12/20/06 | 11:57 | |
| 31 | 20491417 | | 80237 | 1 | 12/20/06 | 11:59 | |
| 32 | 20488922 | | 80237 | 1 | 12/20/06 | 12:01 | |
| 33 | 20491418 | | 80237 | 1 | 12/20/06 | 12:02 | |
| 34 | 20491419 | | 80237 | 1 | 12/20/06 | 12:04 | |
| 35 | 20489231 | | 80237 | 1 | 12/20/06 | 12:06 | |
| 36 | 20489238 | | 80237 | 1 | 12/20/06 | 12:08 | |
| 37 | 20488919 | | 80237 | 1 | 12/20/06 | 12:10 | |
| 38 | CCV | | | | 12/20/06 | 12:11 | |
| 39 | CCB | | | | 12/20/06 | 12:13 | |
| 40 | 20488923 | | 80237 | 1 | 12/20/06 | 12:15 | |
| 41 | 20488924 | | 80237 | 1 | 12/20/06 | 12:17 | |
| 42 | 20491428 | | 80239 | 1 | 12/20/06 | 12:19 | |
| 43 | 20491429 | | 80239 | 1 | 12/20/06 | 12:21 | |
| 44 | 20488920 | | 80239 | 1 | 12/20/06 | 12:22 | |
| 45 | 20491430 | | 80239 | 1 | 12/20/06 | 12:24 | |
| 46 | 20491431 | | 80239 | 1 | 12/20/06 | 12:26 | |
| 47 | 20488921 | | 80239 | 1 | 12/20/06 | 12:28 | |
| 48 | 20491432 | | 80239 | 1 | 12/20/06 | 12:30 | 050118 |
| 49 | 20491433 | | 80239 | 1 | 12/20/06 | 12:32 | |



KDG 1/8/07

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# INSTRUMENT RUNLOG

## Instrument: J Page 2 of 2

## METALS MERCURY J061220A

| File | Lab ID | Extra | Batch | DF | Date | Time | Comments |
|---|---|---|---|---|---|---|---|
| 50 | CCV | | | | 12/20/06 | 12:33 | |
| 51 | CCB | | | | 12/20/06 | 12:35 | |
| 52 | 20488922 | | 80239 | 1 | 12/20/06 | 12:37 | |
| 53 | 20491434 | | 80239 | 1 | 12/20/06 | 12:39 | |
| 54 | 20491435 | | 80239 | 1 | 12/20/06 | 12:41 | |
| 55 | 20489231 | | 80239 | 1 | 12/20/06 | 12:43 | |
| 56 | 20488919 | | 80239 | 1 | 12/20/06 | 12:44 | |
| 57 | 20488923 | | 80239 | 1 | 12/20/06 | 12:46 | |
| 58 | 20488924 | | 80239 | 1 | 12/20/06 | 12:48 | |
| 59 | 20491494 | | 80244 | 1 | 12/20/06 | 12:50 | |
| 60 | 20491495 | | 80244 | 1 | 12/20/06 | 12:52 | |
| 61 | 20488925 | | 80237 | 1 | 12/20/06 | 12:54 | |
| 62 | CRI | | | | 12/20/06 | 12:55 | |
| 63 | CCV | | | | 12/20/06 | 12:57 | |
| 64 | CCB | | | | 12/20/06 | 12:59 | |
| 65 | 20491500 | | | 1 | 12/20/06 | 13:39 | |
| 66 | 20491500 | | | 1 | 12/20/06 | 13:39 | |
| 67 | 20491500 | | 80237 | 1 | 12/20/06 | 13:41 | |
| 68 | 20491616 | | 80244 | 1 | 12/20/06 | 13:42 | |
| 69 | CRI | | | | 12/20/06 | 13:45 | |
| 70 | CCV | | | | 12/20/06 | 13:46 | |
| 71 | CCB | | | | 12/20/06 | 13:48 | |

050119

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# ILM - FORM 2A
## INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Pace Analytical Services, Inc. Sequence: J061220A Hg1

Initial Calibration Source: ICV name: ICV01 ICV time: 12/20/2006 11:18:03 A

Continuing Calibration Source: CCV1 name: CCV CCV1 time: 12/20/2006 11:23:19 A

Concentration Units: ug/L CCV2 name: CCV CCV2 time: 12/20/2006 11:50:15 A

| | Initial Calibration | | | | Continuing Calibration | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Analyte | High | True | Found | %R | True | Found | %R | Found | %R |
| Mercury | | 4 | 4.076 | 101.9 | 5 | 5.034 | 100.7 | 5.130 | 102.6 |

050120

QC Limits 90-110% (85-115% for mercury CCV)
Method 200.7 High Standard QC Limits 95-105%

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# ILM - FORM 2A
## INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Pace Analytical Services, Inc. Sequence:

Initial Calibration Source: ICV name: ICV time:

Continuing Calibration Source: CCV1 name: CCV CCV1 time: 12/20/2006 12:11:59 P

Concentration Units: ug/L CCV2 name: CCV CCV2 time: 12/20/2006 12:33:54 P

| Analyte | Initial Calibration | | | | Continuing Calibration | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | High | True | Found | %R | True | Found | %R | Found | %R |
| Mercury | | | | | 5 | 5.108 | 102.2 | 5.060 | 101.2 |

050121

QC Limits 90-110% (85-115% for mercury CCV)
Method 200.7 High Standard QC Limits 95-105%

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# ILM - FORM 2A
## INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Pace Analytical Services, Inc. Sequence:

Initial Calibration Source: ICV name: ICV time:

Continuing Calibration Source: CCV1 name: CCV CCV1 time: 12/20/2006 12:57:48 P

Concentration Units: ug/L CCV2 name: CCV CCV2 time: 12/20/2006 1:46:45 PM

| | Initial Calibration | | | | Continuing Calibration | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Analyte | High | True | Found | %R | True | Found | %R | Found | %R |
| Mercury | | | | | 5 | 5.016 | 100.3 | 4.736 | 94.7 |

050122

QC Limits 90-110% (85-115% for mercury CCV)
Method 200.7 High Standard QC Limits 95-105%

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# ILM - FORM 2B
# DETECTION LIMIT CHECK

Lab Name: Pace Analytical Services, Inc. Sequence:

CRDL Source: CRDL1 name: CRDL1 time:

CRDL2 name: CRDL2 time:

Concentration Units: ug/L

| Analyte | DETECTION LIMIT CHECK | | | | |
|---|---|---|---|---|---|
| | True | Initial Found | %R | Final Found | %R |

QC Limits 70-130% (50-150% for antimony, lead and thallium)

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# ILM - FORM 3
# BLANKS

Lab Name: Pace Analytical Services, Inc.
ICB name: ICB01
ICB time: 12/20/2006 11:19:52 A

Sequence: J061220A Hg1
CCB1 name: CCB
CCB1 time: 12/20/2006 11:25:25 A

CCB2 name: CCB
CCB2 time: 12/20/2006 11:25:25 A

Concentration Units: ug/L
CCB3 name: CCB
CCB3 time: 12/20/2006 11:52:03 A

| Analyte | Initial Calibration | Continuing Calibration | | | MDL | RRL |
|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | | |
| Mercury | -.006 U | -.007 U | -.007 U | -.012 B | .01 | 0.2 |

050124

U = Undetected at MDL B = detected Between MDL and RRL X if blank is above RRL

ProDataPlus v. 5.03 12/20/2006 14:10:32

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# ILM - FORM 3
# BLANKS

Lab Name: Pace Analytical Services, Inc. ICB name: ICB time:

Sequence: CCB1 name: CCB CCB1 time: 12/20/2006 12:13:46 P

CCB2 name: CCB CCB2 time: 12/20/2006 12:35:41 P

Concentration Units: ug/L CCB3 name: CCB CCB3 time: 12/20/2006 12:59:35 P

| Analyte | Initial Calibration | Continuing Calibration | | | MDL | RRL |
|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | | |
| Mercury | U | -.011 B | -.012 B | -.011 U | .01 | 0.2 |

050125

U = Undetected at MDL B = detected Between MDL and RRL X if blank is above RRL

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# ILM - FORM 3
# BLANKS

Lab Name: Pace Analytical Services, Inc.  ICB name:  ICB time:

Sequence:  CCB1 name: CCB  CCB1 time: 12/20/2006 1:48:31 PM

CCB2 name:  CCB2 time:

Concentration Units: ug/L  CCB3 name:  CCB3 time:

| Analyte | Initial Calibration | Continuing Calibration | | | MDL | RRL |
|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | | |
| Mercury | U | -.007 U | U | U | .01 | 0.2 |

050126

U = Undetected at MDL  B = detected Between MDL and RRL  X if blank is above RRL

Analytical Sequence

Method : MERCURY J

80239

| Seq. | Loc. | Sample ID |
|---|---|---|
| 1 | 1 | S0 |
| 2 | 2 | S0.2 |
| 3 | 3 | S0.5 |
| 4 | 4 | S1 |
| 5 | 5 | S5 |
| 6 | 6 | S10 |
| 7 | 7 | ICV01 |
| 8 | 1 | ICB01 |
| 9 | 2 | CRI |
| 10 | 5 | CCV |
| 11 | 1 | CCB |
| 12 | 9 | 20491444/80244B |
| 13 | 10 | 20491445/LCS |
| 14 | 11 | 20491349/QC |
| 15 | 12 | 20491446/MS |
| 16 | 13 | 20491447/MSD |
| 17 | 14 | 20491479 |
| 18 | 15 | 20491412/80237B |
| 19 | 16 | 20491413/LCS |
| 20 | 17 | 20488920/OQS1 |
| 21 | 18 | 20491414/MS1 |
| 22 | 5 | CCV |
| 23 | 1 | CCB |
| 24 | 19 | 20491415/MSD1 |
| 25 | 20 | 20488921/OQS2 |
| 26 | 21 | 20491416/MS2 |
| 27 | 22 | 20491417/MSD2 |
| 28 | 23 | 20488922/OQS3 |
| 29 | 24 | 20491418/MS3 |
| 30 | 25 | 20491419/MSD3 |
| 31 | 26 | 20489231 |
| 32 | 27 | 20489238 |
| 33 | 28 | 20488919 |
| 34 | 5 | CCV |
| 35 | 1 | CCB |
| 36 | 29 | 20488923 |
| 37 | 30 | 20488924 9 |
| 38 | 31 | 20491428/80239B/D |
| 39 | 32 | 20491429/LCS/D |
| 40 | 33 | 20488920/OQS/D |
| 41 | 34 | 20491430/MS1 |
| 42 | 35 | 20491431/MSD1 |
| 43 | 36 | 20488921/OQS2 |
| 44 | 37 | 20491432/MS2 |
| 45 | 38 | 20491433/MSD2 |
| 46 | 5 | CCV |
| 47 | 1 | CCB |
| 48 | 39 | 20488922/OQS3 |
| 49 | 40 | 20491435/MS3 |
| 50 | 41 | 20491436/MSD3 |
| 51 | 42 | 20489231 |
| 52 | 43 | 20488919 |
| 53 | 44 | 20488923 |
| 54 | 45 | 20488924 |
| 55 | 2 | CRI |
| 56 | 5 | CCV |

46 20491444 / 80244

47 20491495 / 80244

48 20488925 / 80237

050127

**Analytical Sequence**

**Method : MERCURY J**

| Seq. | Loc. | Sample ID |
|---|---|---|
| 57 | 1 | CCB |

050128

Analysis Begun

Logged In Analyst: Administrator
Technique: AA FIMS-MHS
Spectrometer Model: FIMS-400, S/N B050-9560
Autosampler Model: AS-90

Sample Information File: C:\data-AA\Administrator\Sample Information\80239.sif
Batch ID:
Results Data Set: J061220A
Results Library: C:\data-AA\Administrator\Results\Results.mdb

Sequence No.: 1
Autosampler Location: 1
Sample ID: S0
Date Collected: 12/20/2006 11:04:59 AM
Analyst:
Data Type: Original
User canceled analysis.

Analysis Begun

Logged In Analyst: Administrator
Technique: AA FIMS-MHS
Spectrometer Model: FIMS-400, S/N B050-9560
Autosampler Model: AS-90

Sample Information File: C:\data-AA\Administrator\Sample Information\80239.sif
Batch ID:
Results Data Set: J061220A
Results Library: C:\data-AA\Administrator\Results\Results.mdb

Sequence No.: 1
Autosampler Location: 1
Sample ID: S0
Date Collected: 12/20/2006 11:05:50 AM
Analyst:
Data Type: Original

Replicate Data: S0

| Repl # | SampleConc ug/L | StndConc ug/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|---|---|---|---|---|---|---|---|
| 1 | | [0.00] | 0.000 | 0.001 | 0.000 | 11:06:41 | Yes |
| 2 | | [0.00] | 0.000 | 0.001 | 0.000 | 11:07:13 | Yes |
| Mean: | | [0.00] | 0.000 | | | | |
| SD: | | 0.00 | 0.0000 | | | | |
| %RSD: | | 0.00 | 6.92 | | | | |

Auto-zero performed.

Sequence No.: 2
Autosampler Location: 2
Sample ID: S0.2
Date Collected: 12/20/2006 11:07:33 AM
Analyst:
Data Type: Original

Replicate Data: S0.2

| Repl # | SampleConc ug/L | StndConc ug/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|---|---|---|---|---|---|---|---|
| 1 | | [0.2] | 0.002 | 0.009 | 0.002 | 11:08:25 | Yes |
| 2 | | [0.2] | 0.002 | 0.009 | 0.002 | 11:08:57 | Yes |
| Mean: | | [0.2] | 0.002 | | | | |
| SD: | | 0.0 | 0.0000 | | | | |
| %RSD: | | 0.0 | 1.04 | | | | |

Standard number 1 applied. [0.2]
Correlation Coef.: 1.000000 Slope: 0.00760 Intercept: 0.00000

Sequence No.: 3
Autosampler Location: 3
Sample ID: S0.5
Date Collected: 12/20/2006 11:09:16 AM
Analyst:
Data Type: Original

Replicate Data: S0.5

| Repl # | SampleConc ug/L | StndConc ug/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|---|---|---|---|---|---|---|---|

| | | | | | | |
|---|---|---|---|---|---|---|
| 1 | [0.5] | 0.004 | 0.023 | 0.004 | 11:10:09 | Yes |
| 2 | [0.5] | 0.004 | 0.023 | 0.004 | 11:11:00 | Yes |
| Mean: | [0.5] | 0.004 | | | | |
| SD: | 0.0 | 0.0000 | | | | |
| %RSD: | 0.0 | 0.34 | | | | |

Standard number 2 applied. [0.5]
Correlation Coef.: 0.999816 Slope: 0.00774 Intercept: 0.00000

---

**Sequence No.: 4** **Autosampler Location: 4**
**Sample ID: S1** **Date Collected: 12/20/2006 11:11:20 AM**
**Analyst:** **Data Type: Original**

**Replicate Data: S1**

| Repl # | SampleConc ug/L | StndConc ug/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|---|---|---|---|---|---|---|---|
| 1 | | [1.0] | 0.008 | 0.045 | 0.008 | 11:12:14 | Yes |
| 2 | | [1.0] | 0.008 | 0.044 | 0.008 | 11:12:46 | Yes |
| Mean: | | [1.0] | 0.008 | | | | |
| SD: | | 0.0 | 0.0001 | | | | |
| %RSD: | | 0.0 | 0.70 | | | | |

Standard number 3 applied. [1.0]
Correlation Coef.: 0.999924 Slope: 0.00767 Intercept: 0.00000

---

**Sequence No.: 5** **Autosampler Location: 5**
**Sample ID: S5** **Date Collected: 12/20/2006 11:13:07 AM**
**Analyst:** **Data Type: Original**

**Replicate Data: S5**

| Repl # | SampleConc ug/L | StndConc ug/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|---|---|---|---|---|---|---|---|
| 1 | | [5.0] | 0.038 | 0.217 | 0.038 | 11:14:01 | Yes |
| 2 | | [5.0] | 0.038 | 0.215 | 0.038 | 11:14:33 | Yes |
| Mean: | | [5.0] | 0.038 | | | | |
| SD: | | 0.0 | 0.0001 | | | | |
| %RSD: | | 0.0 | 0.26 | | | | |

Standard number 4 applied. [5.0]
Correlation Coef.: 0.999993 Slope: 0.00759 Intercept: 0.00000

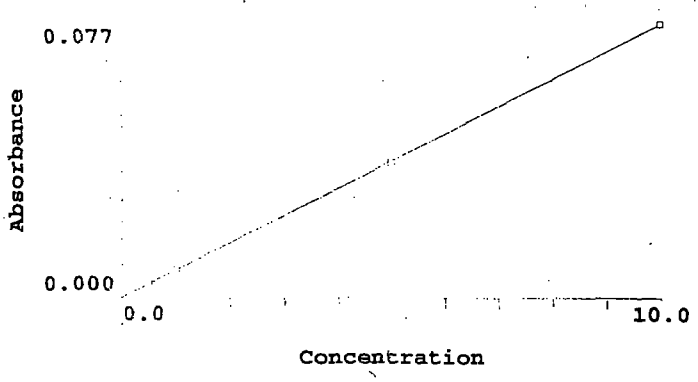
---

**Sequence No.: 6** **Autosampler Location: 6**
**Sample ID: S10** **Date Collected: 12/20/2006 11:14:54 AM**
**Analyst:** **Data Type: Original**

**Replicate Data: S10**

| Repl # | SampleConc ug/L | StndConc ug/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|---|---|---|---|---|---|---|---|
| 1 | | [10.0] | 0.077 | 0.441 | 0.077 | 11:15:48 | Yes |
| 2 | | [10.0] | 0.077 | 0.435 | 0.077 | 11:16:20 | Yes |
| Mean: | | [10.0] | 0.077 | | | | |
| SD: | | 0.0 | 0.0000 | | | | |
| %RSD: | | 0.0 | 0.05 | | | | |

Standard number 5 applied. [10.0]
Correlation Coef.: 0.999975 Slope: 0.00767 Intercept: 0.00000




050130

Calibration data for Hg 253.7 Equation: Linear Through Zero

| ID | Mean Signal (Abs) | Entered Conc. ug/L | Calculated Conc. ug/L | Standard Deviation | %RSD |
|---|---|---|---|---|---|
| S0 | 0.0000 | 0 | 0.000 | 0.00 | 6.9 |
| S0.2 | 0.0015 | 0.2 | 0.198 | 0.00 | 1.0 |
| S0.5 | 0.0039 | 0.5 | 0.506 | 0.00 | 0.3 |
| S1 | 0.0077 | 1.0 | 0.998 | 0.00 | 0.7 |
| S5 | 0.0379 | 5.0 | 4.947 | 0.00 | 0.3 |
| S10 | 0.0769 | 10.0 | 10.026 | 0.00 | 0.0 |

Correlation Coef.: 0.999975 Slope: 0.00767 Intercept: 0.00000
User canceled analysis.

Analysis Begun

Logged In Analyst: Administrator
Technique: AA FIMS-MHS
Spectrometer Model: FIMS-400, S/N B050-9560
Autosampler Model: AS-90

Sample Information File: C:\data-AA\Administrator\Sample Information\80239.sif
Batch ID:
Results Data Set: J061220A
Results Library: C:\data-AA\Administrator\Results\Results.mdb

Sequence No.: 1
Autosampler Location: 7
Sample ID: ICV01
Date Collected: 12/20/2006 11:18:03 AM
Analyst:
Data Type: Original

Replicate Data: ICV01

| Repl # | SampleConc ug/L | StndConc ug/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|---|---|---|---|---|---|---|---|
| 1 | 4.073 | 4.073 | 0.031 | 0.178 | 0.031 | 11:18:58 | Yes |
| 2 | 4.078 | 4.078 | 0.031 | 0.177 | 0.031 | 11:19:30 | Yes |
| Mean: | 4.076 | 4.076 | 0.031 | | | | |
| SD: | 0.003 | 0.003 | 0.0000 | | | | |
| %RSD: | 0.072 | 0.072 | 0.07 | | | | |

QC value within limits for Hg 253.7 Recovery = 101.89%
All analyte(s) passed QC.

Sequence No.: 2
Autosampler Location: 1
Sample ID: ICB01
Date Collected: 12/20/2006 11:19:52 AM
Analyst:
Data Type: Original

Replicate Data: ICB01

| Repl # | SampleConc ug/L | StndConc ug/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|---|---|---|---|---|---|---|---|
| 1 | -0.007 | -0.007 | -0.000 | 0.001 | 0.000 | 11:20:44 | Yes |
| 2 | -0.006 | -0.006 | -0.000 | 0.000 | 0.000 | 11:21:16 | Yes |
| Mean: | -0.006 | -0.006 | -0.000 | | | | |
| SD: | 0.001 | 0.001 | 0.0000 | | | | |
| %RSD: | 11.85 | 11.85 | 11.85 | | | | |

QC value within limits for Hg 253.7 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 3
Autosampler Location: 2
Sample ID: CRI
Date Collected: 12/20/2006 11:21:35 AM
Analyst:
Data Type: Original

Replicate Data: CRI

| Repl # | SampleConc ug/L | StndConc ug/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|---|---|---|---|---|---|---|---|
| 1 | 0.221 | 0.221 | 0.002 | 0.011 | 0.002 | 11:22:27 | Yes |
| 2 | 0.211 | 0.211 | 0.002 | 0.009 | 0.002 | 11:23:00 | Yes |
| Mean: | 0.216 | 0.216 | 0.002 | | | | |
| SD: | 0.007 | 0.007 | 0.0001 | | | | |
| %RSD: | 3.165 | 3.165 | 3.16 | | | | |

QC value within limits for Hg 253.7 Recovery = 108.11%
All analyte(s) passed QC.

Sequence No.: 4
Autosampler Location: 5
Sample ID: CCV
Date Collected: 12/20/2006 11:23:19 AM
Analyst:
Data Type: Original

Replicate Data: CCV

| Repl | SampleConc | StndConc | BlnkCorr | Peak | Peak | Time | Peak |
|---|---|---|---|---|---|---|---|

| # | ug/L | ug/L | Signal | Area | Height | | Stored |
|---|---|---|---|---|---|---|---|
| 1 | 5.029 | 5.029 | 0.039 | 0.218 | 0.039 | 11:24:13 | Yes |
| 2 | 5.039 | 5.039 | 0.039 | 0.217 | 0.039 | 11:25:04 | Yes |
| Mean: | 5.034 | 5.034 | 0.039 | | | | |
| SD: | 0.007 | 0.007 | 0.0001 | | | | |
| %RSD: | 0.143 | 0.143 | 0.14 | | | | |

QC value within limits for Hg 253.7 Recovery = 100.68%
All analyte(s) passed QC.

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**Sequence No.: 5** **Autosampler Location: 1**
**Sample ID: CCB** **Date Collected: 12/20/2006 11:25:25 AM**
**Analyst:** **Data Type: Original**

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**Replicate Data: CCB**

| Repl # | SampleConc ug/L | StndConc ug/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|---|---|---|---|---|---|---|---|
| 1 | -0.008 | -0.008 | -0.000 | -0.001 | 0.000 | 11:26:17 | Yes |
| 2 | -0.007 | -0.007 | -0.000 | 0.000 | 0.000 | 11:26:49 | Yes |
| Mean: | -0.007 | -0.007 | -0.000 | | | | |
| SD: | 0.001 | 0.001 | 0.0000 | | | | |
| %RSD: | 10.35 | 10.35 | 10.35 | | | | |

QC value within limits for Hg 253.7 Recovery = Not calculated
All analyte(s) passed QC.
User canceled analysis.

Analysis Begun

Logged In Analyst: Administrator
Technique: AA FIMS-MHS
Spectrometer Model: FIMS-400, S/N B050-9560
Autosampler Model: AS-90

Sample Information File: C:\data-AA\Administrator\Sample Information\80239.sif
Batch ID:
Results Data Set: J061220A
Results Library: C:\data-AA\Administrator\Results\Results.mdb

Sequence No.: 1
Autosampler Location: 7
Sample ID: ICV01
Date Collected: 12/20/2006 11:28:02 AM
Analyst:
Data Type: Original
User canceled analysis.

Analysis Begun

Logged In Analyst: Administrator
Technique: AA FIMS-MHS
Spectrometer Model: FIMS-400, S/N B050-9560
Autosampler Model: AS-90

Sample Information File: C:\data-AA\Administrator\Sample Information\80239.sif
Batch ID:
Results Data Set: J061220A
Results Library: C:\data-AA\Administrator\Results\Results.mdb

Sequence No.: 6
Autosampler Location: 9
Sample ID: 20491444/80244B
Date Collected: 12/20/2006 11:28:28 AM
Analyst:
Data Type: Original

Replicate Data: 20491444/80244B

| Repl # | SampleConc ug/L | StndConc ug/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|---|---|---|---|---|---|---|---|
| 1 | 0.002 | 0.002 | 0.000 | 0.000 | 0.000 | 11:29:06 | Yes |
| 2 | 0.000 | 0.000 | 0.000 | -0.000 | 0.000 | 11:29:39 | Yes |
| Mean: | 0.001 | 0.001 | 0.000 | | | | |
| SD: | 0.001 | 0.001 | 0.0000 | | | | |
| %RSD: | 118.9 | 118.9 | 118.94 | | | | |

Sequence No.: 7
Autosampler Location: 10
Sample ID: 20491445/LCS
Date Collected: 12/20/2006 11:29:58 AM
Analyst:
Data Type: Original

Replicate Data: 20491445/LCS

| Repl # | SampleConc ug/L | StndConc ug/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|---|---|---|---|---|---|---|---|
| 1 | 0.008 | 0.008 | 0.000 | 0.001 | 0.000 | 11:30:50 | Yes |
| 2 | 0.002 | 0.002 | 0.000 | 0.001 | 0.000 | 11:31:23 | Yes |
| Mean: | 0.005 | 0.005 | 0.000 | | | | |
| SD: | 0.004 | 0.004 | 0.0000 | | | | |
| %RSD: | 81.31 | 81.31 | 81.31 | | | | |

Sequence No.: 8
Autosampler Location: 11
Sample ID: 20491349/QC
Date Collected: 12/20/2006 11:31:42 AM
Analyst:
Data Type: Original

Replicate Data: 20491349/QC

| Repl # | SampleConc ug/L | StndConc ug/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|---|---|---|---|---|---|---|---|
| 1 | -0.008 | -0.008 | -0.000 | -0.001 | 0.000 | 11:32:35 | Yes |

User canceled analysis.

Analysis Begun

Logged In Analyst: Administrator
Technique: AA FIMS-MHS
Spectrometer Model: FIMS-400, S/N B050-9560
Autosampler Model: AS-90

Sample Information File: C:\data-AA\Administrator\Sample Information\80239.sif
Batch ID:
Results Data Set: J061220A
Results Library: C:\data-AA\Administrator\Results\Results.mdb

Sequence No.: 7
Autosampler Location: 10
Sample ID: 20491445/LCS
Date Collected: 12/20/2006 11:33:44 AM
Analyst:
Data Type: Original

Replicate Data: 20491445/LCS

| Repl # | SampleConc ug/L | StndConc ug/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|---|---|---|---|---|---|---|---|
| 1 | 1.027 | 1.027 | 0.008 | 0.044 | 0.008 | 11:34:37 | Yes |
| 2 | 1.029 | 1.029 | 0.008 | 0.045 | 0.008 | 11:35:09 | Yes |
| Mean: | 1.028 | 1.028 | 0.008 | | | | |
| SD: | 0.002 | 0.002 | 0.0000 | | | | |
| %RSD: | 0.160 | 0.160 | 0.16 | | | | |

Sequence No.: 8
Autosampler Location: 11
Sample ID: 20491349/QC
Date Collected: 12/20/2006 11:35:28 AM
Analyst:
Data Type: Original

Replicate Data: 20491349/QC

| Repl # | SampleConc ug/L | StndConc ug/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|---|---|---|---|---|---|---|---|
| 1 | 0.000 | 0.000 | -0.000 | 0.000 | 0.000 | 11:36:21 | Yes |
| 2 | 0.012 | 0.012 | 0.000 | 0.002 | 0.000 | 11:36:53 | Yes |
| Mean: | 0.006 | 0.006 | 0.000 | | | | |
| SD: | 0.009 | 0.009 | 0.0001 | | | | |
| %RSD: | 141.9 | 141.9 | 141.85 | | | | |

Sequence No.: 9
Autosampler Location: 12
Sample ID: 20491446/MS
Date Collected: 12/20/2006 11:37:13 AM
Analyst:
Data Type: Original

Replicate Data: 20491446/MS

| Repl # | SampleConc ug/L | StndConc ug/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|---|---|---|---|---|---|---|---|
| 1 | 1.029 | 1.029 | 0.008 | 0.045 | 0.008 | 11:38:06 | Yes |
| 2 | 1.030 | 1.030 | 0.008 | 0.045 | 0.008 | 11:38:38 | Yes |
| Mean: | 1.029 | 1.029 | 0.008 | | | | |
| SD: | 0.001 | 0.001 | 0.0000 | | | | |
| %RSD: | 0.072 | 0.072 | 0.07 | | | | |

Sequence No.: 10
Autosampler Location: 13
Sample ID: 20491447/MSD
Date Collected: 12/20/2006 11:38:58 AM
Analyst:
Data Type: Original

Replicate Data: 20491447/MSD

| Repl # | SampleConc ug/L | StndConc ug/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|---|---|---|---|---|---|---|---|
| 1 | 1.025 | 1.025 | 0.008 | 0.045 | 0.008 | 11:39:52 | Yes |
| 2 | 1.027 | 1.027 | 0.008 | 0.045 | 0.008 | 11:40:25 | Yes |
| Mean: | 1.026 | 1.026 | 0.008 | | | | |
| SD: | 0.002 | 0.002 | 0.0000 | | | | |
| %RSD: | 0.180 | 0.180 | 0.18 | | | | |

Sequence No.: 11 Autosampler Location: 14
Sample ID: 20491479 Date Collected: 12/20/2006 11:40:46 AM
Analyst: Data Type: Original

Replicate Data: 20491479

| Repl # | SampleConc ug/L | StndConc ug/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|---|---|---|---|---|---|---|---|
| 1 | -0.001 | -0.001 | -0.000 | 0.001 | 0.000 | 11:41:59 | Yes |
| 2 | -0.003 | -0.003 | -0.000 | -0.000 | 0.000 | 11:42:31 | Yes |
| Mean: | -0.002 | -0.002 | -0.000 | | | | |
| SD: | 0.001 | 0.001 | 0.0000 | | | | |
| %RSD: | 84.32 | 84.32 | 84.32 | | | | |

Sequence No.: 12 Autosampler Location: 15
Sample ID: 20491412/80237B Date Collected: 12/20/2006 11:42:53 AM
Analyst: Data Type: Original

Replicate Data: 20491412/80237B

| Repl # | SampleConc ug/L | StndConc ug/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|---|---|---|---|---|---|---|---|
| 1 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 11:43:48 | Yes |
| 2 | -0.001 | -0.001 | -0.000 | 0.000 | 0.000 | 11:44:20 | Yes |
| Mean: | 0.000 | 0.000 | -0.000 | | | | |
| SD: | 0.001 | 0.001 | 0.0000 | | | | |
| %RSD: | 276.1 | 276.1 | 276.14 | | | | |

Sequence No.: 13 Autosampler Location: 16
Sample ID: 20491413/LCS Date Collected: 12/20/2006 11:44:42 AM
Analyst: Data Type: Original

Replicate Data: 20491413/LCS

| Repl # | SampleConc ug/L | StndConc ug/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|---|---|---|---|---|---|---|---|
| 1 | 1.027 | 1.027 | 0.008 | 0.044 | 0.008 | 11:45:36 | Yes |
| 2 | 1.027 | 1.027 | 0.008 | 0.044 | 0.008 | 11:46:09 | Yes |
| Mean: | 1.027 | 1.027 | 0.008 | | | | |
| SD: | 0.000 | 0.000 | 0.0000 | | | | |
| %RSD: | 0.002 | 0.002 | 0.00 | | | | |

Sequence No.: 14 Autosampler Location: 17
Sample ID: 20488920/OQS1 Date Collected: 12/20/2006 11:46:32 AM
Analyst: Data Type: Original

Replicate Data: 20488920/OQS1

| Repl # | SampleConc ug/L | StndConc ug/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|---|---|---|---|---|---|---|---|
| 1 | 0.020 | 0.020 | 0.000 | 0.001 | 0.000 | 11:47:23 | Yes |
| 2 | 0.019 | 0.019 | 0.000 | 0.001 | 0.000 | 11:47:55 | Yes |
| Mean: | 0.020 | 0.020 | 0.000 | | | | |
| SD: | 0.001 | 0.001 | 0.0000 | | | | |
| %RSD: | 3.049 | 3.049 | 3.05 | | | | |

Sequence No.: 15 Autosampler Location: 18
Sample ID: 20491414/MS1 Date Collected: 12/20/2006 11:48:14 AM
Analyst: Data Type: Original

Replicate Data: 20491414/MS1

| Repl # | SampleConc ug/L | StndConc ug/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|---|---|---|---|---|---|---|---|
| 1 | 0.992 | 0.992 | 0.008 | 0.043 | 0.008 | 11:49:06 | Yes |
| 2 | 0.999 | 0.999 | 0.008 | 0.044 | 0.008 | 11:49:38 | Yes |

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| | | | |
|---|---|---|---|
| Mean: | 0.995 | 0.995 | 0.008 |
| SD: | 0.005 | 0.005 | 0.0000 |
| %RSD: | 0.500 | 0.500 | 0.50 |

**Sequence No.: 16** **Autosampler Location: 5**
**Sample ID: CCV** **Date Collected: 12/20/2006 11:50:15 AM**
**Analyst:** **Data Type: Original**

**Replicate Data: CCV**

| Repl # | SampleConc ug/L | StndConc ug/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|---|---|---|---|---|---|---|---|
| 1 | 5.130 | 5.130 | 0.039 | 0.220 | 0.039 | 11:51:09 | Yes |
| 2 | 5.130 | 5.130 | 0.039 | 0.219 | 0.039 | 11:51:42 | Yes |
| Mean: | 5.130 | 5.130 | 0.039 | | | | |
| SD: | 0.000 | 0.000 | 0.0000 | | | | |
| %RSD: | 0.003 | 0.003 | 0.00 | | | | |

QC value within limits for Hg 253.7 Recovery = 102.60%
All analyte(s) passed QC.

**Sequence No.: 17** **Autosampler Location: 1**
**Sample ID: CCB** **Date Collected: 12/20/2006 11:52:03 AM**
**Analyst:** **Data Type: Original**

**Replicate Data: CCB**

| Repl # | SampleConc ug/L | StndConc ug/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|---|---|---|---|---|---|---|---|
| 1 | -0.013 | -0.013 | -0.000 | -0.001 | 0.000 | 11:52:54 | Yes |
| 2 | -0.010 | -0.010 | -0.000 | -0.000 | 0.000 | 11:53:27 | Yes |
| Mean: | -0.012 | -0.012 | -0.000 | | | | |
| SD: | 0.002 | 0.002 | 0.0000 | | | | |
| %RSD: | 14.72 | 14.72 | 14.72 | | | | |

QC value within limits for Hg 253.7 Recovery = Not calculated
All analyte(s) passed QC.

**Sequence No.: 18** **Autosampler Location: 19**
**Sample ID: 20491415/MSD1** **Date Collected: 12/20/2006 11:53:46 AM**
**Analyst:** **Data Type: Original**

**Replicate Data: 20491415/MSD1**

| Repl # | SampleConc ug/L | StndConc ug/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|---|---|---|---|---|---|---|---|
| 1 | 1.028 | 1.028 | 0.008 | 0.045 | 0.008 | 11:54:38 | Yes |
| 2 | 1.041 | 1.041 | 0.008 | 0.046 | 0.008 | 11:55:10 | Yes |
| Mean: | 1.035 | 1.035 | 0.008 | | | | |
| SD: | 0.009 | 0.009 | 0.0001 | | | | |
| %RSD: | 0.852 | 0.852 | 0.85 | | | | |

**Sequence No.: 19** **Autosampler Location: 20**
**Sample ID: 20488921/OQS2** **Date Collected: 12/20/2006 11:55:29 AM**
**Analyst:** **Data Type: Original**

**Replicate Data: 20488921/OQS2**

| Repl # | SampleConc ug/L | StndConc ug/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|---|---|---|---|---|---|---|---|
| 1 | 0.005 | 0.005 | 0.000 | 0.000 | 0.000 | 11:56:22 | Yes |
| 2 | 0.012 | 0.012 | 0.000 | 0.001 | 0.000 | 11:56:54 | Yes |
| Mean: | 0.009 | 0.009 | 0.000 | | | | |
| SD: | 0.005 | 0.005 | 0.0000 | | | | |
| %RSD: | 56.06 | 56.06 | 56.06 | | | | |

**Sequence No.: 20** **Autosampler Location: 21**
**Sample ID: 20491416/MS2** **Date Collected: 12/20/2006 11:57:14 AM**

Analyst: Data Type: Original

Replicate Data: 20491416/MS2

| Repl # | SampleConc ug/L | StndConc ug/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|---|---|---|---|---|---|---|---|
| 1 | 0.990 | 0.990 | 0.008 | 0.043 | 0.008 | 11:58:25 | Yes |
| 2 | 1.000 | 1.000 | 0.008 | 0.044 | 0.008 | 11:58:58 | Yes |
| Mean: | 0.995 | 0.995 | 0.008 | | | | |
| SD: | 0.007 | 0.007 | 0.0001 | | | | |
| %RSD: | 0.682 | 0.682 | 0.68 | | | | |

Sequence No.: 21 Autosampler Location: 22
Sample ID: 20491417/MSD2 Date Collected: 12/20/2006 11:59:17 AM
Analyst: Data Type: Original

Replicate Data: 20491417/MSD2

| Repl # | SampleConc ug/L | StndConc ug/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|---|---|---|---|---|---|---|---|
| 1 | 1.016 | 1.016 | 0.008 | 0.045 | 0.008 | 12:00:10 | Yes |
| 2 | 1.008 | 1.008 | 0.008 | 0.044 | 0.008 | 12:00:42 | Yes |
| Mean: | 1.012 | 1.012 | 0.008 | | | | |
| SD: | 0.006 | 0.006 | 0.0000 | | | | |
| %RSD: | 0.573 | 0.573 | 0.57 | | | | |

Sequence No.: 22 Autosampler Location: 23
Sample ID: 20488922/OQS3 Date Collected: 12/20/2006 12:01:02 PM
Analyst: Data Type: Original

Replicate Data: 20488922/OQS3

| Repl # | SampleConc ug/L | StndConc ug/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|---|---|---|---|---|---|---|---|
| 1 | 0.020 | 0.020 | 0.000 | 0.001 | 0.000 | 12:01:55 | Yes |
| 2 | 0.023 | 0.023 | 0.000 | 0.001 | 0.000 | 12:02:27 | Yes |
| Mean: | 0.022 | 0.022 | 0.000 | | | | |
| SD: | 0.003 | 0.003 | 0.0000 | | | | |
| %RSD: | 11.94 | 11.94 | 11.94 | | | | |

Sequence No.: 23 Autosampler Location: 24
Sample ID: 20491418/MS3 Date Collected: 12/20/2006 12:02:47 PM
Analyst: Data Type: Original

Replicate Data: 20491418/MS3

| Repl # | SampleConc ug/L | StndConc ug/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|---|---|---|---|---|---|---|---|
| 1 | 1.032 | 1.032 | 0.008 | 0.046 | 0.008 | 12:03:40 | Yes |
| 2 | 1.040 | 1.040 | 0.008 | 0.046 | 0.008 | 12:04:13 | Yes |
| Mean: | 1.036 | 1.036 | 0.008 | | | | |
| SD: | 0.006 | 0.006 | 0.0000 | | | | |
| %RSD: | 0.539 | 0.539 | 0.54 | | | | |

Sequence No.: 24 Autosampler Location: 25
Sample ID: 20491419/MSD3 Date Collected: 12/20/2006 12:04:33 PM
Analyst: Data Type: Original

Replicate Data: 20491419/MSD3

| Repl # | SampleConc ug/L | StndConc ug/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|---|---|---|---|---|---|---|---|
| 1 | 1.040 | 1.040 | 0.008 | 0.046 | 0.008 | 12:05:26 | Yes |
| 2 | 1.041 | 1.041 | 0.008 | 0.045 | 0.008 | 12:05:59 | Yes |
| Mean: | 1.040 | 1.040 | 0.008 | | | | |
| SD: | 0.000 | 0.000 | 0.0000 | | | | |
| %RSD: | 0.032 | 0.032 | 0.03 | | | | |

Sequence No.: 25 Autosampler Location: 26
Sample ID: 20489231 Date Collected: 12/20/2006 12:06:38 PM
Analyst: Data Type: Original

Replicate Data: 20489231

| Repl # | SampleConc ug/L | StndConc ug/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|---|---|---|---|---|---|---|---|
| 1 | 0.010 | 0.010 | 0.000 | 0.001 | 0.000 | 12:07:31 | Yes |
| 2 | 0.010 | 0.010 | 0.000 | 0.001 | 0.000 | 12:08:03 | Yes |
| Mean: | 0.010 | 0.010 | 0.000 | | | | |
| SD: | 0.000 | 0.000 | 0.0000 | | | | |
| %RSD: | 2.507 | 2.507 | 2.51 | | | | |

Sequence No.: 26 Autosampler Location: 27
Sample ID: 20489238 Date Collected: 12/20/2006 12:08:24 PM
Analyst: Data Type: Original

Replicate Data: 20489238

| Repl # | SampleConc ug/L | StndConc ug/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|---|---|---|---|---|---|---|---|
| 1 | 0.003 | 0.003 | 0.000 | 0.001 | 0.000 | 12:09:18 | Yes |
| 2 | 0.003 | 0.003 | 0.000 | 0.001 | 0.000 | 12:09:50 | Yes |
| Mean: | 0.003 | 0.003 | 0.000 | | | | |
| SD: | 0.000 | 0.000 | 0.0000 | | | | |
| %RSD: | 2.447 | 2.447 | 2.45 | | | | |

Sequence No.: 27 Autosampler Location: 28
Sample ID: 20488919 Date Collected: 12/20/2006 12:10:11 PM
Analyst: Data Type: Original

Replicate Data: 20488919

| Repl # | SampleConc ug/L | StndConc ug/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|---|---|---|---|---|---|---|---|
| 1 | 0.002 | 0.002 | 0.000 | 0.000 | 0.000 | 12:11:05 | Yes |
| 2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 12:11:37 | Yes |
| Mean: | 0.001 | 0.001 | 0.000 | | | | |
| SD: | 0.001 | 0.001 | 0.0000 | | | | |
| %RSD: | 121.9 | 121.9 | 121.93 | | | | |

Sequence No.: 28 Autosampler Location: 5
Sample ID: CCV Date Collected: 12/20/2006 12:11:59 PM
Analyst: Data Type: Original

Replicate Data: CCV

| Repl # | SampleConc ug/L | StndConc ug/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|---|---|---|---|---|---|---|---|
| 1 | 5.108 | 5.108 | 0.039 | 0.220 | 0.039 | 12:12:53 | Yes |
| 2 | 5.108 | 5.108 | 0.039 | 0.219 | 0.039 | 12:13:25 | Yes |
| Mean: | 5.108 | 5.108 | 0.039 | | | | |
| SD: | 0.000 | 0.000 | 0.0000 | | | | |
| %RSD: | 0.005 | 0.005 | 0.01 | | | | |

QC value within limits for Hg 253.7 Recovery = 102.16%
All analyte(s) passed QC.

Sequence No.: 29 Autosampler Location: 1
Sample ID: CCB Date Collected: 12/20/2006 12:13:46 PM
Analyst: Data Type: Original

Replicate Data: CCB

| Repl | SampleConc | StndConc | BlnkCorr | Peak | Peak | Time | Peak |
|---|---|---|---|---|---|---|---|

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| # | ug/L | ug/L | Signal | Area | Height | | Stored |
|---|---|---|---|---|---|---|---|
| 1 | -0.012 | -0.012 | -0.000 | -0.001 | 0.000 | 12:14:38 | Yes |
| 2 | -0.011 | -0.011 | -0.000 | -0.000 | 0.000 | 12:15:29 | Yes |
| Mean: | -0.011 | -0.011 | -0.000 | | | | |
| SD: | 0.001 | 0.001 | 0.0000 | | | | |
| %RSD: | 5.103 | 5.103 | 5.10 | | | | |

QC value within limits for Hg 253.7 Recovery = Not calculated
All analyte(s) passed QC.

---

**Sequence No.: 30** **Autosampler Location: 29**
**Sample ID: 20488923** **Date Collected: 12/20/2006 12:15:48 PM**
**Analyst:** **Data Type: Original**

**Replicate Data: 20488923**

| Repl # | SampleConc ug/L | StndConc ug/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|---|---|---|---|---|---|---|---|
| 1 | 0.023 | 0.023 | 0.000 | 0.001 | 0.000 | 12:16:42 | Yes |
| 2 | 0.025 | 0.025 | 0.000 | 0.002 | 0.000 | 12:17:15 | Yes |
| Mean: | 0.024 | 0.024 | 0.000 | | | | |
| SD: | 0.001 | 0.001 | 0.0000 | | | | |
| %RSD: | 3.783 | 3.783 | 3.78 | | | | |

---

**Sequence No.: 31** **Autosampler Location: 30**
**Sample ID: 20488624** **Date Collected: 12/20/2006 12:17:36 PM**
**Analyst:** **Data Type: Original**

**Replicate Data: 20488624**

| Repl # | SampleConc ug/L | StndConc ug/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|---|---|---|---|---|---|---|---|
| 1 | 0.008 | 0.008 | 0.000 | 0.001 | 0.000 | 12:18:31 | Yes |
| 2 | 0.009 | 0.009 | 0.000 | 0.001 | 0.000 | 12:19:04 | Yes |
| Mean: | 0.009 | 0.009 | 0.000 | | | | |
| SD: | 0.001 | 0.001 | 0.0000 | | | | |
| %RSD: | 14.29 | 14.29 | 14.29 | | | | |

---

**Sequence No.: 32** **Autosampler Location: 31**
**Sample ID: 20491428/80239B/D** **Date Collected: 12/20/2006 12:19:25 PM**
**Analyst:** **Data Type: Original**

**Replicate Data: 20491428/80239B/D**

| Repl # | SampleConc ug/L | StndConc ug/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|---|---|---|---|---|---|---|---|
| 1 | -0.013 | -0.013 | -0.000 | -0.000 | 0.000 | 12:20:20 | Yes |
| 2 | -0.009 | -0.009 | -0.000 | -0.000 | 0.000 | 12:20:52 | Yes |
| Mean: | -0.011 | -0.011 | -0.000 | | | | |
| SD: | 0.002 | 0.002 | 0.0000 | | | | |
| %RSD: | 20.58 | 20.58 | 20.58 | | | | |

---

**Sequence No.: 33** **Autosampler Location: 32**
**Sample ID: 20491429/LCS/D** **Date Collected: 12/20/2006 12:21:14 PM**
**Analyst:** **Data Type: Original**

**Replicate Data: 20491429/LCS/D**

| Repl # | SampleConc ug/L | StndConc ug/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|---|---|---|---|---|---|---|---|
| 1 | 1.033 | 1.033 | 0.008 | 0.045 | 0.008 | 12:22:06 | Yes |
| 2 | 1.034 | 1.034 | 0.008 | 0.045 | 0.008 | 12:22:38 | Yes |
| Mean: | 1.033 | 1.033 | 0.008 | | | | |
| SD: | 0.001 | 0.001 | 0.0000 | | | | |
| %RSD: | 0.083 | 0.083 | 0.08 | | | | |

---

**Sequence No.: 34** **Autosampler Location: 33**

Sample ID: 20488920/OQS/D
Analyst:
Date Collected: 12/20/2006 12:22:57 PM
Data Type: Original

Replicate Data: 20488920/OQS/D

| Repl # | SampleConc ug/L | StndConc ug/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|---|---|---|---|---|---|---|---|
| 1 | 0.000 | 0.000 | 0.000 | 0.001 | 0.000 | 12:24:07 | Yes |
| 2 | 0.003 | 0.003 | 0.000 | 0.001 | 0.000 | 12:24:40 | Yes |
| Mean: | 0.002 | 0.002 | 0.000 | | | | |
| SD: | 0.002 | 0.002 | 0.0000 | | | | |
| %RSD: | 118.6 | 118.6 | 118.65 | | | | |

Sequence No.: 35
Sample ID: 20491430/MS1/D
Analyst:
Autosampler Location: 34
Date Collected: 12/20/2006 12:24:58 PM
Data Type: Original

Replicate Data: 20491430/MS1/D

| Repl # | SampleConc ug/L | StndConc ug/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|---|---|---|---|---|---|---|---|
| 1 | 0.981 | 0.981 | 0.008 | 0.044 | 0.008 | 12:25:50 | Yes |
| 2 | 0.990 | 0.990 | 0.008 | 0.044 | 0.008 | 12:26:22 | Yes |
| Mean: | 0.986 | 0.986 | 0.008 | | | | |
| SD: | 0.006 | 0.006 | 0.0000 | | | | |
| %RSD: | 0.650 | 0.650 | 0.65 | | | | |

Sequence No.: 36
Sample ID: 20491431/MSD1/D
Analyst:
Autosampler Location: 35
Date Collected: 12/20/2006 12:26:41 PM
Data Type: Original

Replicate Data: 20491431/MSD1/D

| Repl # | SampleConc ug/L | StndConc ug/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|---|---|---|---|---|---|---|---|
| 1 | 1.004 | 1.004 | 0.008 | 0.045 | 0.008 | 12:27:32 | Yes |
| 2 | 1.004 | 1.004 | 0.008 | 0.045 | 0.008 | 12:28:04 | Yes |
| Mean: | 1.004 | 1.004 | 0.008 | | | | |
| SD: | 0.000 | 0.000 | 0.0000 | | | | |
| %RSD: | 0.003 | 0.003 | 0.00 | | | | |

Sequence No.: 37
Sample ID: 20488921/OQS2/D
Analyst:
Autosampler Location: 36
Date Collected: 12/20/2006 12:28:24 PM
Data Type: Original

Replicate Data: 20488921/OQS2/D

| Repl # | SampleConc ug/L | StndConc ug/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|---|---|---|---|---|---|---|---|
| 1 | 0.001 | 0.001 | 0.000 | 0.001 | 0.000 | 12:29:15 | Yes |
| 2 | -0.001 | -0.001 | -0.000 | 0.000 | 0.000 | 12:29:48 | Yes |
| Mean: | 0.000 | 0.000 | 0.000 | | | | |
| SD: | 0.001 | 0.001 | 0.0000 | | | | |
| %RSD: | 358.2 | 358.2 | 358.22 | | | | |

Sequence No.: 38
Sample ID: 20491432/MS2/D
Analyst:
Autosampler Location: 37
Date Collected: 12/20/2006 12:30:07 PM
Data Type: Original

Replicate Data: 20491432/MS2/D

| Repl # | SampleConc ug/L | StndConc ug/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|---|---|---|---|---|---|---|---|
| 1 | 1.023 | 1.023 | 0.009 | 0.045 | 0.008 | 12:30:59 | Yes |
| 2 | 1.034 | 1.034 | 0.008 | 0.045 | 0.008 | 12:31:31 | Yes |
| Mean: | 1.028 | 1.028 | 0.008 | | | | |
| SD: | 0.008 | 0.008 | 0.0001 | | | | |

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%RSD: 0.789 0.789 0.79

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**Sequence No.: 39** **Autosampler Location: 38**
**Sample ID: 20491433/MSD2/D** **Date Collected: 12/20/2006 12:32:10 PM**
**Analyst:** **Data Type: Original**

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**Replicate Data: 20491433/MSD2/D**

| Repl # | SampleConc ug/L | StndConc ug/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|---|---|---|---|---|---|---|---|
| 1 | 1.013 | 1.013 | 0.008 | 0.044 | 0.008 | 12:33:02 | Yes |
| 2 | 1.013 | 1.013 | 0.008 | 0.044 | 0.008 | 12:33:34 | Yes |
| Mean: | 1.013 | 1.013 | 0.008 | | | | |
| SD: | 0.000 | 0.000 | 0.0000 | | | | |
| %RSD: | 0.004 | 0.004 | 0.00 | | | | |

---

**Sequence No.: 40** **Autosampler Location: 5**
**Sample ID: CCV** **Date Collected: 12/20/2006 12:33:54 PM**
**Analyst:** **Data Type: Original**

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**Replicate Data: CCV**

| Repl # | SampleConc ug/L | StndConc ug/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|---|---|---|---|---|---|---|---|
| 1 | 5.043 | 5.043 | 0.039 | 0.219 | 0.039 | 12:34:48 | Yes |
| 2 | 5.077 | 5.077 | 0.039 | 0.218 | 0.039 | 12:35:20 | Yes |
| Mean: | 5.060 | 5.060 | 0.039 | | | | |
| SD: | 0.024 | 0.024 | 0.0002 | | | | |
| %RSD: | 0.476 | 0.476 | 0.48 | | | | |

QC value within limits for Hg 253.7 Recovery = 101.20%
All analyte(s) passed QC.

---

**Sequence No.: 41** **Autosampler Location: 1**
**Sample ID: CCB** **Date Collected: 12/20/2006 12:35:41 PM**
**Analyst:** **Data Type: Original**

---

**Replicate Data: CCB**

| Repl # | SampleConc ug/L | StndConc ug/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|---|---|---|---|---|---|---|---|
| 1 | -0.010 | -0.010 | -0.000 | -0.000 | 0.000 | 12:36:32 | Yes |
| 2 | -0.013 | -0.013 | -0.000 | -0.000 | 0.000 | 12:37:05 | Yes |
| Mean: | -0.012 | -0.012 | -0.000 | | | | |
| SD: | 0.002 | 0.002 | 0.0000 | | | | |
| %RSD: | 16.93 | 16.93 | 16.93 | | | | |

QC value within limits for Hg 253.7 Recovery = Not calculated
All analyte(s) passed QC.

---

**Sequence No.: 42** **Autosampler Location: 39**
**Sample ID: 20488922/OQS3/D** **Date Collected: 12/20/2006 12:37:24 PM**
**Analyst:** **Data Type: Original**

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**Replicate Data: 20488922/OQS3/D**

| Repl # | SampleConc ug/L | StndConc ug/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|---|---|---|---|---|---|---|---|
| 1 | -0.002 | -0.002 | -0.000 | 0.000 | 0.000 | 12:38:17 | Yes |
| 2 | -0.003 | -0.003 | -0.000 | 0.000 | 0.000 | 12:38:49 | Yes |
| Mean: | -0.002 | -0.002 | -0.000 | | | | |
| SD: | 0.001 | 0.001 | 0.0000 | | | | |
| %RSD: | 21.57 | 21.57 | 21.57 | | | | |

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**Sequence No.: 43** **Autosampler Location: 40**
**Sample ID: 20491435/MS3/D** **Date Collected: 12/20/2006 12:39:09 PM**
**Analyst:** **Data Type: Original**

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Replicate Data: 20491435/MS3/D

| Repl # | SampleConc ug/L | StndConc ug/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|---|---|---|---|---|---|---|---|
| 1 | 1.126 | 1.126 | 0.009 | 0.049 | 0.009 | 12:40:02 | Yes |
| 2 | 1.136 | 1.136 | 0.009 | 0.050 | 0.009 | 12:40:53 | Yes |
| Mean: | 1.131 | 1.131 | 0.009 | | | | |
| SD: | 0.007 | 0.007 | 0.0001 | | | | |
| %RSD: | 0.578 | 0.578 | 0.58 | | | | |

KD4 12/20/06

**Sequence No.: 44** 5 **Autosampler Location: 41**
**Sample ID: 20491436/MSD3/D** **Date Collected: 12/20/2006 12:41:13 PM**
**Analyst:** **Data Type: Original**

Replicate Data: 20491436/MSD3/D

| Repl # | SampleConc ug/L | StndConc ug/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|---|---|---|---|---|---|---|---|
| 1 | 0.971 | 0.971 | 0.007 | 0.043 | 0.008 | 12:42:07 | Yes |
| 2 | 0.968 | 0.968 | 0.007 | 0.043 | 0.008 | 12:42:39 | Yes |
| Mean: | 0.969 | 0.969 | 0.007 | | | | |
| SD: | 0.002 | 0.002 | 0.0000 | | | | |
| %RSD: | 0.230 | 0.230 | 0.23 | | | | |

**Sequence No.: 45** **Autosampler Location: 42**
**Sample ID: 20489231/D** **Date Collected: 12/20/2006 12:43:00 PM**
**Analyst:** **Data Type: Original**

Replicate Data: 20489231/D

| Repl # | SampleConc ug/L | StndConc ug/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|---|---|---|---|---|---|---|---|
| 1 | 0.013 | 0.013 | 0.000 | 0.001 | 0.000 | 12:43:53 | Yes |
| 2 | 0.014 | 0.014 | 0.000 | 0.001 | 0.000 | 12:44:25 | Yes |
| Mean: | 0.014 | 0.014 | 0.000 | | | | |
| SD: | 0.001 | 0.001 | 0.0000 | | | | |
| %RSD: | 6.526 | 6.526 | 6.53 | | | | |

**Sequence No.: 46** **Autosampler Location: 43**
**Sample ID: 20488919/D** **Date Collected: 12/20/2006 12:44:46 PM**
**Analyst:** **Data Type: Original**

Replicate Data: 20488919/D

| Repl # | SampleConc ug/L | StndConc ug/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|---|---|---|---|---|---|---|---|
| 1 | 0.002 | 0.002 | 0.000 | 0.001 | 0.000 | 12:45:40 | Yes |
| 2 | 0.001 | 0.001 | 0.000 | 0.001 | 0.000 | 12:46:12 | Yes |
| Mean: | 0.001 | 0.001 | 0.000 | | | | |
| SD: | 0.001 | 0.001 | 0.0000 | | | | |
| %RSD: | 82.81 | 82.81 | 82.81 | | | | |

**Sequence No.: 47** **Autosampler Location: 44**
**Sample ID: 20488923/D** **Date Collected: 12/20/2006 12:46:34 PM**
**Analyst:** **Data Type: Original**

Replicate Data: 20488923/D

| Repl # | SampleConc ug/L | StndConc ug/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|---|---|---|---|---|---|---|---|
| 1 | 0.000 | 0.000 | 0.000 | 0.001 | 0.000 | 12:47:28 | Yes |
| 2 | 0.001 | 0.001 | 0.000 | 0.001 | 0.000 | 12:48:00 | Yes |
| Mean: | 0.001 | 0.001 | 0.000 | | | | |
| SD: | 0.001 | 0.001 | 0.0000 | | | | |
| %RSD: | 102.0 | 102.0 | 102.02 | | | | |

Sequence No.: 48
Sample ID: 20488924/D
Analyst:
Autosampler Location: 45
Date Collected: 12/20/2006 12:48:21 PM
Data Type: Original

Replicate Data: 20488924/D

| Repl # | SampleConc ug/L | StndConc ug/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|---|---|---|---|---|---|---|---|
| 1 | 0.000 | 0.000 | 0.000 | 0.001 | 0.000 | 12:49:34 | Yes |
| 2 | -0.002 | -0.002 | -0.000 | 0.001 | 0.000 | 12:50:06 | Yes |
| Mean: | -0.001 | -0.001 | -0.000 | | | | |
| SD: | 0.002 | 0.002 | 0.0000 | | | | |
| %RSD: | 238.8 | 238.8 | 238.77 | | | | |

Sequence No.: 49
Sample ID: 20491494/80244
Analyst:
Autosampler Location: 46
Date Collected: 12/20/2006 12:50:27 PM
Data Type: Original

Replicate Data: 20491494/80244

| Repl # | SampleConc ug/L | StndConc ug/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|---|---|---|---|---|---|---|---|
| 1 | 0.007 | 0.007 | 0.000 | 0.001 | 0.000 | 12:51:22 | Yes |
| 2 | 0.011 | 0.011 | 0.000 | 0.002 | 0.000 | 12:51:54 | Yes |
| Mean: | 0.009 | 0.009 | 0.000 | | | | |
| SD: | 0.003 | 0.003 | 0.0000 | | | | |
| %RSD: | 29.04 | 29.04 | 29.04 | | | | |

Sequence No.: 50
Sample ID: 20491495/80244
Analyst:
Autosampler Location: 47
Date Collected: 12/20/2006 12:52:16 PM
Data Type: Original

Replicate Data: 20491495/80244

| Repl # | SampleConc ug/L | StndConc ug/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|---|---|---|---|---|---|---|---|
| 1 | 0.003 | 0.003 | 0.000 | 0.001 | 0.000 | 12:53:11 | Yes |
| 2 | 0.003 | 0.003 | 0.000 | 0.001 | 0.000 | 12:53:43 | Yes |
| Mean: | 0.003 | 0.003 | 0.000 | | | | |
| SD: | 0.000 | 0.000 | 0.0000 | | | | |
| %RSD: | 11.99 | 11.99 | 11.99 | | | | |

Sequence No.: 51
Sample ID: 20488925/80237
Analyst:
Autosampler Location: 48
Date Collected: 12/20/2006 12:54:05 PM
Data Type: Original

Replicate Data: 20488925/80237

| Repl # | SampleConc ug/L | StndConc ug/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|---|---|---|---|---|---|---|---|
| 1 | -0.002 | -0.002 | -0.000 | 0.000 | 0.000 | 12:54:56 | Yes |
| 2 | 0.173 | 0.173 | 0.001 | 0.016 | 0.001 | 12:55:28 | Yes |
| Mean: | 0.085 | 0.085 | 0.001 | | | | |
| SD: | 0.123 | 0.123 | 0.0009 | | | | |
| %RSD: | 144.5 | 144.5 | 144.50 | | | | |

Sequence No.: 52
Sample ID: CRI
Analyst:
Autosampler Location: 2
Date Collected: 12/20/2006 12:55:46 PM
Data Type: Original

Replicate Data: CRI

| Repl # | SampleConc ug/L | StndConc ug/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|---|---|---|---|---|---|---|---|
| 1 | 0.206 | 0.206 | 0.002 | 0.009 | 0.002 | 12:56:38 | Yes |
| 2 | 0.209 | 0.209 | 0.002 | 0.010 | 0.002 | 12:57:10 | Yes |
| Mean: | 0.207 | 0.207 | 0.002 | | | | |

| | | | |
|---|---|---|---|
| SD: | 0.002 | 0.002 | 0.0000 |
| %RSD: | 1.038 | 1.038 | 1.04 |

QC value within limits for Hg 253.7 Recovery = 103.54%
All analyte(s) passed QC.

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**Sequence No.: 53** **Autosampler Location: 5**
**Sample ID: CCV** **Date Collected: 12/20/2006 12:57:48 PM**
**Analyst:** **Data Type: Original**

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**Replicate Data: CCV**

| Repl # | SampleConc ug/L | StndConc ug/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|---|---|---|---|---|---|---|---|
| 1 | 5.006 | 5.006 | 0.038 | 0.218 | 0.039 | 12:58:42 | Yes |
| 2 | 5.025 | 5.025 | 0.039 | 0.217 | 0.039 | 12:59:14 | Yes |
| Mean: | 5.016 | 5.016 | 0.038 | | | | |
| SD: | 0.014 | 0.014 | 0.0001 | | | | |
| %RSD: | 0.271 | 0.271 | 0.27 | | | | |

QC value within limits for Hg 253.7 Recovery = 100.32%
All analyte(s) passed QC.

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**Sequence No.: 54** **Autosampler Location: 1**
**Sample ID: CCB** **Date Collected: 12/20/2006 12:59:35 PM**
**Analyst:** **Data Type: Original**

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**Replicate Data: CCB**

| Repl # | SampleConc ug/L | StndConc ug/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|---|---|---|---|---|---|---|---|
| 1 | -0.008 | -0.008 | -0.000 | 0.000 | 0.000 | 13:00:27 | Yes |
| 2 | -0.013 | -0.013 | -0.000 | -0.001 | 0.000 | 13:01:00 | Yes |
| Mean: | -0.011 | -0.011 | -0.000 | | | | |
| SD: | 0.004 | 0.004 | 0.0000 | | | | |
| %RSD: | 34.89 | 34.89 | 34.89 | | | | |

QC value within limits for Hg 253.7 Recovery = Not calculated
All analyte(s) passed QC.

==========

Analysis Begun

Logged In Analyst: Administrator
Technique: AA FIMS-MHS
Spectrometer Model: FIMS-400, S/N B050-9560
Autosampler Model: AS-90

Sample Information File: C:\data-AA\Administrator\Sample Information\80239CONTD.sif
Batch ID:
Results Data Set: J061220A
Results Library: C:\data-AA\Administrator\Results\Results.mdb

==========

Sequence No.: 1
Autosampler Location: 7
Sample ID: ICV01
Date Collected: 12/20/2006 1:27:35 PM
Analyst:
Data Type: Original
User canceled analysis.

==========

Analysis Begun

Logged In Analyst: Administrator
Technique: AA FIMS-MHS
Spectrometer Model: FIMS-400, S/N B050-9560
Autosampler Model: AS-90

Sample Information File: C:\data-AA\Administrator\Sample Information\80239CONTD.sif
Batch ID:
Results Data Set: J061220A
Results Library: C:\data-AA\Administrator\Results\Results.mdb

==========

Sequence No.: 6
Autosampler Location: 49
Sample ID: 20491500/80237
Date Collected: 12/20/2006 1:39:20 PM
Analyst:
Data Type: Original

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Replicate Data: 20491500/80237

| Repl # | SampleConc ug/L | StndConc ug/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|---|---|---|---|---|---|---|---|
| 1 | -0.007 | -0.007 | -0.000 | 0.001 | 0.000 | 13:40:12 | Yes |
| 2 | -0.002 | -0.002 | -0.000 | 0.001 | 0.000 | 13:40:44 | Yes |
| Mean: | -0.004 | -0.004 | -0.000 | | | | |
| SD: | 0.004 | 0.004 | 0.0000 | | | | |
| %RSD: | 85.41 | 85.41 | 85.41 | | | | |

User canceled analysis.

==========

Analysis Begun

Logged In Analyst: Administrator
Technique: AA FIMS-MHS
Spectrometer Model: FIMS-400, S/N B050-9560
Autosampler Model: AS-90

Sample Information File: C:\data-AA\Administrator\Sample Information\80239CONTD.sif
Batch ID:
Results Data Set: J061220A
Results Library: C:\data-AA\Administrator\Results\Results.mdb

==========

Sequence No.: 6
Autosampler Location: 49
Sample ID: 20491500/80237
Date Collected: 12/20/2006 1:41:31 PM
Analyst:
Data Type: Original

---

Replicate Data: 20491500/80237

| Repl # | SampleConc ug/L | StndConc ug/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|---|---|---|---|---|---|---|---|
| 1 | 0.012 | 0.012 | 0.000 | 0.001 | 0.000 | 13:42:09 | Yes |
| 2 | 0.014 | 0.014 | 0.000 | 0.002 | 0.000 | 13:42:41 | Yes |
| Mean: | 0.013 | 0.013 | 0.000 | | | | |
| SD: | 0.002 | 0.002 | 0.0000 | | | | |
| %RSD: | 12.27 | 12.27 | 12.27 | | | | |

050146

Sequence No.: 7 Autosampler Location: 50
Sample ID: 20491616/80244 Date Collected: 12/20/2006 1:42:59 PM
Analyst: Data Type: Original

Replicate Data: 20491616/80244

| Repl # | SampleConc ug/L | StndConc ug/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|---|---|---|---|---|---|---|---|
| 1 | -0.003 | -0.003 | -0.000 | 0.001 | 0.000 | 13:44:10 | Yes |
| 2 | 0.000 | 0.000 | 0.000 | 0.001 | 0.000 | 13:44:42 | Yes |
| Mean: | -0.001 | -0.001 | -0.000 | | | | |
| SD: | 0.003 | 0.003 | 0.0000 | | | | |
| %RSD: | 180.2 | 180.2 | 180.19 | | | | |

Sequence No.: 8 Autosampler Location: 2
Sample ID: CRI Date Collected: 12/20/2006 1:45:01 PM
Analyst: Data Type: Original

Replicate Data: CRI

| Repl # | SampleConc ug/L | StndConc ug/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|---|---|---|---|---|---|---|---|
| 1 | 0.201 | 0.201 | 0.002 | 0.010 | 0.002 | 13:45:53 | Yes |
| 2 | 0.206 | 0.206 | 0.002 | 0.010 | 0.002 | 13:46:25 | Yes |
| Mean: | 0.203 | 0.203 | 0.002 | | | | |
| SD: | 0.004 | 0.004 | 0.0000 | | | | |
| %RSD: | 1.740 | 1.740 | 1.74 | | | | |

QC value within limits for Hg 253.7 Recovery = 101.66%
All analyte(s) passed QC.

Sequence No.: 9 Autosampler Location: 5
Sample ID: CCV Date Collected: 12/20/2006 1:46:45 PM
Analyst: Data Type: Original

Replicate Data: CCV

| Repl # | SampleConc ug/L | StndConc ug/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|---|---|---|---|---|---|---|---|
| 1 | 4.725 | 4.725 | 0.036 | 0.214 | 0.036 | 13:47:39 | Yes |
| 2 | 4.747 | 4.747 | 0.036 | 0.215 | 0.037 | 13:48:11 | Yes |
| Mean: | 4.736 | 4.736 | 0.036 | | | | |
| SD: | 0.015 | 0.015 | 0.0001 | | | | |
| %RSD: | 0.324 | 0.324 | 0.32 | | | | |

QC value within limits for Hg 253.7 Recovery = 94.71%
All analyte(s) passed QC.

Sequence No.: 10 Autosampler Location: 1
Sample ID: CCB Date Collected: 12/20/2006 1:48:31 PM
Analyst: Data Type: Original

Replicate Data: CCB

| Repl # | SampleConc ug/L | StndConc ug/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|---|---|---|---|---|---|---|---|
| 1 | -0.006 | -0.006 | -0.000 | 0.000 | 0.000 | 13:49:23 | Yes |
| 2 | -0.007 | -0.007 | -0.000 | 0.000 | 0.000 | 13:49:55 | Yes |
| Mean: | -0.007 | -0.007 | -0.000 | | | | |
| SD: | 0.000 | 0.000 | 0.0000 | | | | |
| %RSD: | 5.538 | 5.538 | 5.54 | | | | |

QC value within limits for Hg 253.7 Recovery = Not calculated
All analyte(s) passed QC.

Pace Analytical®
New Orleans Laboratory

# Mercury Sample Digestion Log

## SOP NO-I-614

Batch
**80237**


2064974
2064976

Procedure: 7470

Bath temp (95C): 95

Start Analyst: MHB  Start Date/Time: 12/20/06

End Analyst: _____  End Date/Time: _____

| Sample | | | Sample (mL) | Final Vol (mL) | Spike Vol (mL) | Purple (Y/N) | Added KMnO4 | Comments | QC Original |
|---|---|---|---|---|---|---|---|---|---|
| | S0 | CAL | 30 | 50 | — | Y | 5mL | | |
| | S1 / CRI | CAL | | | 0.04 | | | 528-54 | CAL |
| | S2 | CAL | | | 0.1 | | | | |
| | S3 | CAL | | | 0.2 | | | | |
| | S4 | CAL | | | 1.0 | | | | |
| | S5 | CAL | | | 2.0 | | | | |
| | ICV | CAL | | | 0.1 | | | 588-54 | ICV |
| | 20491412 | BLA | | | — | | | | |
| | 20491413 | LCS | | | 0.2 | | | | |
| | 20489231 | PS | | | — | | | | |
| | 20489238 | PS | | | | | | | |
| | 20488919 | PS | | | | | | | |
| | 20488920 | OQS | | | | | | | |
| | 20491414 | MS | | | 0.2 | | | | 20488920 |
| | 20491415 | MSD | | | 0.2 | | | | 20488920 |
| | 20488921 | OQS | | | — | | | | |
| | 20491416 | MS | | | 0.2 | | | | 20488921 |
| | 20491417 | MSD | | | 0.2 | | | | 20488921 |
| | 20488922 | OQS | | | — | | | | |
| | 20491418 | MS | | | 0.2 | | | | 20488922 |

**Reagent Lots**

Nitric acid: 1105081
Hydrochloric acid: 4106010
Sulfuric acid: 5557 A50H02
Hydroxylamine hydrochloride: 063397
Potassium persulfate: 042655
Potassium permanganate: 055070
Stannous chloride: 060944

LCS Source 1: 588-54 CAL
LCS Source 2: _____
MS Source 1: _____
MS Source 2: _____

Digitube: A511LS106

100g/2000mL KMnO4 in reagent water prepared by _____
22g/2000mL SnCL2.H2O in 3% HCl prepared by _____

**050148**



K. Heller

Pace Analytical®
New Orleans Laboratory

# Mercury Sample Digestion Log

## SOP NO-I-614

Batch
**80237**


Procedure: 7470

Bath temp (95C):_____

Start Analyst:_____ Start Date/Time:_____

End Analyst:_____ End Date/Time:_____

| Sample | | | WorksheetStanda | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 20491419 | MSD | 30 | 30 | 0.2 | Y | 5mL | | 20488922 |
| | 20488923 | PS | | | — | | | | |
| | 20488924 | PS | | | — | | | | |
| | ~~20488925~~ | ~~PS~~ | | | — | | | OK | |

24 samples Eq. nusate

18 ~~18~~
20491500

KDG
12/20/06

**Reagent Lots**

Nitric acid: 1105081
Hydrochloric acid: 4106010
Sulfuric acid: 5557 A50H02
Hydroxlyamine hydrochloride: 063397
Potassium persulfate: 042655

LCS Source 1: _____
LCS Source 2: _____
MS Source 1: _____
MS Source 2: _____

Digitube: A511LS106

050149

Potassium permanganate: 056070
Stannous chloride: 060944

100g/2000mL KMnO4 in reagent water prepared by _____
22g/2000mL SnCL2.H2O in 3% HCl prepared by _____

Batch-ICPPrepLog ProDatPlus v. 5.03 12/20/2006 08:15:39

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**PCBs**

**QC SUMMARY**

**SDG: 2064976**

040691

Pace Analytical®
New Orleans Laboratory

# Report of Batch Surrogate Recovery

*Pace Analytical Services, Inc.*
*1000 Riverbend Blvd. Suite F*
*St. Rose , LA 70087*

*Phone: 504.469.0333*
*Fax: 504.469.0555*
*LELAP # 02006*

**Report:** 2064976 **Batch:** 79789

| Lab ID | Type and Qualifiers | Sur 1 %Rec | Sur 2 %Rec | Sur 3 %Rec | Sur 4 %Rec | Sur 5 %Rec | Sur 6 %Rec | Sur 7 %Rec | Sur 8 %Rec |
|---|---|---|---|---|---|---|---|---|---|
| 20489238 | Sample | 82 | 82 | 60 | 62 | | | | |
| 20489322 | BLANK | 79 | 71 | 54 | 51 | | | | |
| 20489323 | LCS | 86 | 80 | 64 | 59 | | | | |
| 20489674 | BLANK | 64 | 72 | 50 | 46 | | | | |
| 20489675 | LCS | 66 | 70 | 62 | 56 | | | | |
| | QC limits: | 10-157 | 10-157 | 18-171 | 18-171 | | | | |

Sur 1: Decachlorobiphenyl (Conf)(S)
Sur 2: Decachlorobiphenyl (S)
Sur 3: Tetrachloro-m-xylene (Conf)(S)
Sur 4: Tetrachloro-m-xylene (S)

* denotes surrogate recovery outside of QC limits.
D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.
A Lab ID consisting of a batch number with a B suffix is a method blank.
A Lab ID consisting of a batch number with a S suffix is an LCS.
A Lab ID with a MS suffix is a matrix spike.
A Lab ID with a MSD suffix is a matrix spike duplicate.

1/5/2007 10:15:15

*New Orleans Laboratory Certifications*
*Louisiana Dept. of Environmental Quality (LELAP) - 02006*
*Arkansas Dept. of Environmental Quality - 88-0681*
*Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023*
*Florida Dept. of Health (NELAC) - E87595*
*Kansas Dept. of Health Environment - E-10266*
*U.S. Dept. of Agriculture Foreign Soil Permit - S-47270*

# Report of Quality Control

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

**Method:** EPA 8082 **Project:** 2064976 **LCS:** 20489675 12/19/2006 11:28:00 A

**Batch:** 79789 **MS:**

**Units:** ug/L **Original for MS:**

| Parameter Name | LCS Spike | LCS %Rec | LCSD %Rec | LCS RPD | MS Spike | MS %Rec | MSD %Rec | (1)MS RPD | QC Limits LCS | QC Limits MS/MSD | Max RPD | Qu |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-1016 (Aroclor 1016) | 10 | 76 | | | | | | | 43 - 143 | - | | Q5 |
| PCB-1260 (Aroclor 1260) | 10 | 64 | | | | | | | 45 - 138 | - | | Q5 |

2 compound(s) reported

insufficient sample volume MS/MSD

* denotes recovery outside of QC limits.
MS spike concentrations are not corrected for moisture content of the spiked sample.
(1) MS RPD is calculated via SW-846 rules: on the basis of spiked sample concentrations rather than spike recoveries.

1/5/2007 10:15:12

*New Orleans Laboratory Certifications*
*Louisiana Dept. of Environmental Quality (LELAP) - 02006*
*Arkansas Dept. of Environmental Quality - 88-0681*
*Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023*
*Florida Dept. of Health (NELAC) - E87595*
*Kansas Dept. of Health Environment - E-10266*
*U.S. Dept. of Agriculture Foreign Soil Permit - S-47270*

# Form 4x

## METHOD BLANK SUMMARY

CLP Style Form IV

Sample ID : **79789 BLANK 2**
Lab ID : **20489674**
Project: **2064976**

Batch: **79789**
Lab File ID: **E121432.D**
Analysis Time: **12/19/2006 11:13**

| Client Sample ID | Lab Sample ID | Lab File ID | Analysis Date | Analysis Time |
|---|---|---|---|---|
| 79789 LCS 2 | 20489675 | E121433.D | 12/19/2006 | 11:28 |
| 2WSW6-EPA | 20489238 | E121436.D | 12/19/2006 | 12:13 |

Comments:

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**PCBs**

**SAMPLE DATA**

**SDG: 2064976**

Pace Analytical®
New Orleans Laboratory

# Report of Laboratory Analysis

**Pace Analytical Services, Inc.**
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

**Client:** EA Engineering,Science &Tech

**Client ID:** 2WSW6-EPA
**Site:** None
**Project:** Gulfco Marine Superfund Site
**Project No.:** 2064976
**Sample Qu:**
**Lab ID:** 20489238
**Matrix:** Water
**% Moisture:** n/a
**Description:** None
**Prep Level:** Water
**Batch:** 79789
**Method:** 8082 PCBs Water
**Units:** ug/L
**Target List:** 8082_WL20
**Collected:** 12/06/06
**Received:** 12/08/06
**Prep Factor:** 1
**Prepared:** 12/12/06
**Analyzed:** 12/19/06 12:13 SLF(1)

| CAS Number | Parameter | Dilution | Result | Qu | Adjusted MDL | Reporting Limit | Reg. Limit |
|---|---|---|---|---|---|---|---|
| 12674-11-2 | PCB-1016 (Aroclor 1016) | 1 | ND | | 0.169 | 1.00 | |
| 11104-28-2 | PCB-1221 (Aroclor 1221) | 1 | ND | | 0.200 | 1.00 | |
| 11141-16-5 | PCB-1232 (Aroclor 1232) | 1 | ND | | 0.200 | 1.00 | |
| 53469-21-9 | PCB-1242 (Aroclor 1242) | 1 | ND | | 0.200 | 1.00 | |
| 12672-29-6 | PCB-1248 (Aroclor 1248) | 1 | ND | | 0.200 | 1.00 | |
| 11097-69-1 | PCB-1254 (Aroclor 1254) | 1 | ND | | 0.200 | 1.00 | |
| 11096-82-5 | PCB-1260 (Aroclor 1260) | 1 | ND | | 0.112 | 1.00 | |

7 compound(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of extract. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit denotes an actual regulatory limit or a client-requested notification limit.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

1/5/2007 10:15:02

*New Orleans Laboratory Certifications*
*Louisiana Dept. of Environmental Quality (LELAP) - 02006*
*Arkansas Dept. of Environmental Quality - 88-0681*
*Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023*
*Florida Dept. of Health (NELAC) - E87595*
*Kansas Dept. of Health Environment - E-10266*
*U.S. Dept. of Agriculture Foreign Soil Permit - S-47270*

Signal #1 : U:\DATAE\E121406\E121436.D\ECD1A.CH Vial: 36
Signal #2 : U:\DATAE\E121406\E121436.D\ECD2B.CH
Acq On : 19 Dec 2006 12:13 pm Operator:
Sample : 20489238 Inst : HP5890
Misc : 79789 1:1 Multiplr: 1.00
IntFile Signal #1: PCB1A.E IntFile Signal #2: PCB2B.E
Quant Time: Dec 22 18:00 2006 Quant Results File: E1214A60.RES

Quant Method : U:\DATAE\E1214A60.M (Chemstation Integrator)
Title : AROCLOR 1016/1260
Last Update : Fri Dec 22 17:58:38 2006
Response via : Initial Calibration
RT via : U:\DATAE\E121406\E121427.D

Instrument Type :
Column Type :
Solvent Description :

| | | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | PPB | PPB |
|---|---|---|---|---|---|---|---|---|
| | | System Monitoring Compounds | | | | | | |
| 1) | S | Tetrachloro-m-xy | 1.816 | 0.928 | 262780 | 187460 | 12.328m | 12.102 |
| 21) | S | Decachlorobiphen | 10.789 | 6.422 | 274447 | 304508 | 16.447m | 16.439m |
| | | Target Compounds | | | | | | |
| 2) | L1G | AROCLOR-1016 | 0.000 | 1.115 | 0 | 18991 | N.D. | 44.726 # |
| 3) | L1G | AROCLOR-1016-2 | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 4) | L1G | AROCLOR-1016-3 | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 5) | L1G | AROCLOR-1016-4 | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 6) | L1G | AROCLOR-1016-5 | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 7) | L1G | AROCLOR-1016-6 | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 8) | L1G | AROCLOR-1016-7 | 0.000 | 1.886 | 0 | 8003 | N.D. | N.D. m |
| 9) | L1G | AROCLOR-1016-8 | 0.000 | 1.983 | 0 | 3589 | N.D. | 7.094m# |
| 10) | L1G | AROCLOR-1016-TOT | 0.000 | 0.000 | 0 | 30583 | N.D. m | 5.982m# |
| | | Sum AROCLOR-1016 | | | 0 | 22580 | N.D. | 0.639 |
| Average | | AROCLOR-1016 | | | | | 0.000 | 0.320 BDL |
| 11) | L2G | AROCLOR-1260 | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 12) | L2G | AROCLOR-1260-2 | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 13) | L2G | AROCLOR-1260-3 | 6.148 | 2.969 | 239506 | 39901 | 210.293 | N.D. # |
| 14) | L2G | AROCLOR-1260-4 | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 15) | L2G | AROCLOR-1260-5 | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 16) | L2G | AROCLOR-1260-6 | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 17) | L2G | AROCLOR-1260-7 | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 18) | L2G | AROCLOR-1260-8 | 0.000 | 4.983 | 0 | 2001 | N.D. | 1.509m# |
| 19) | L2G | AROCLOR-1260-9 | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 20) | L2G | AROCLOR-1260-TOT | 0.000 | 0.000 | 239506 | 41902 | 26.768m | 5.638m# |
| | | Sum AROCLOR-1260 | | | 239506 | 2001 | 210.293 | N.D. |
| Average | | AROCLOR-1260 | | | | | 210.293 | -15.366 CNP |

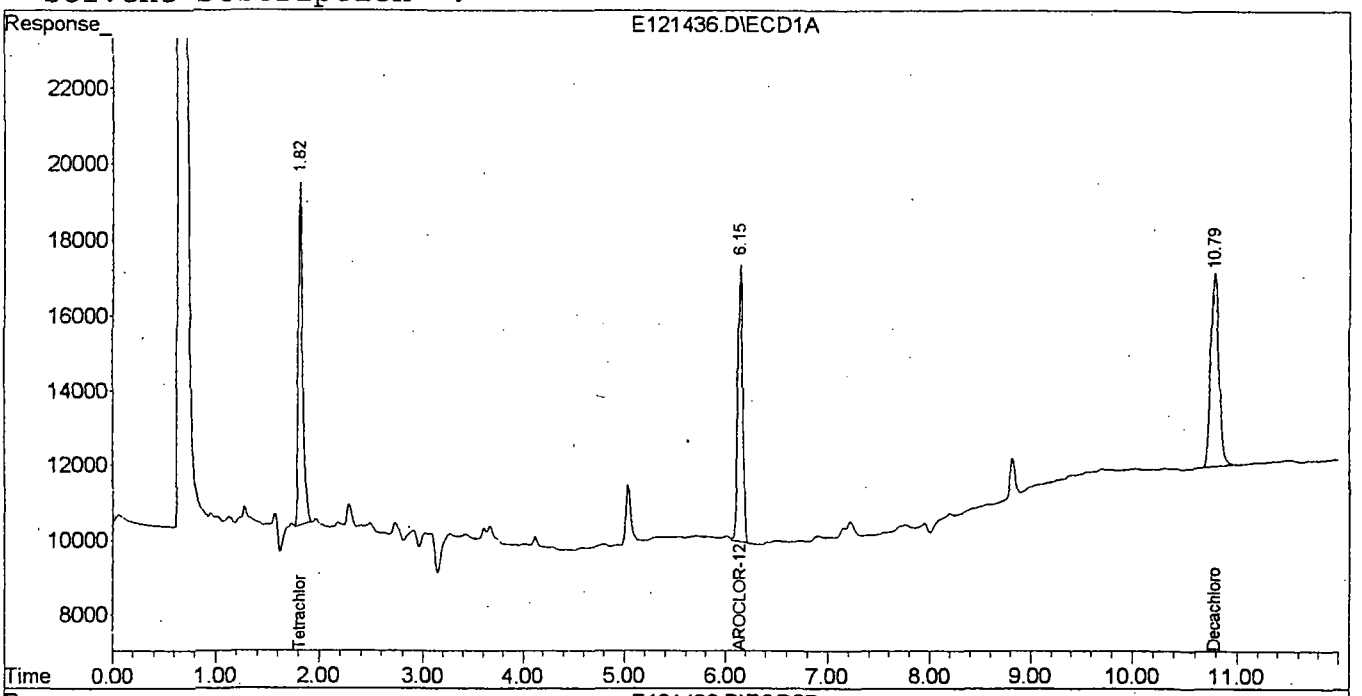
040007

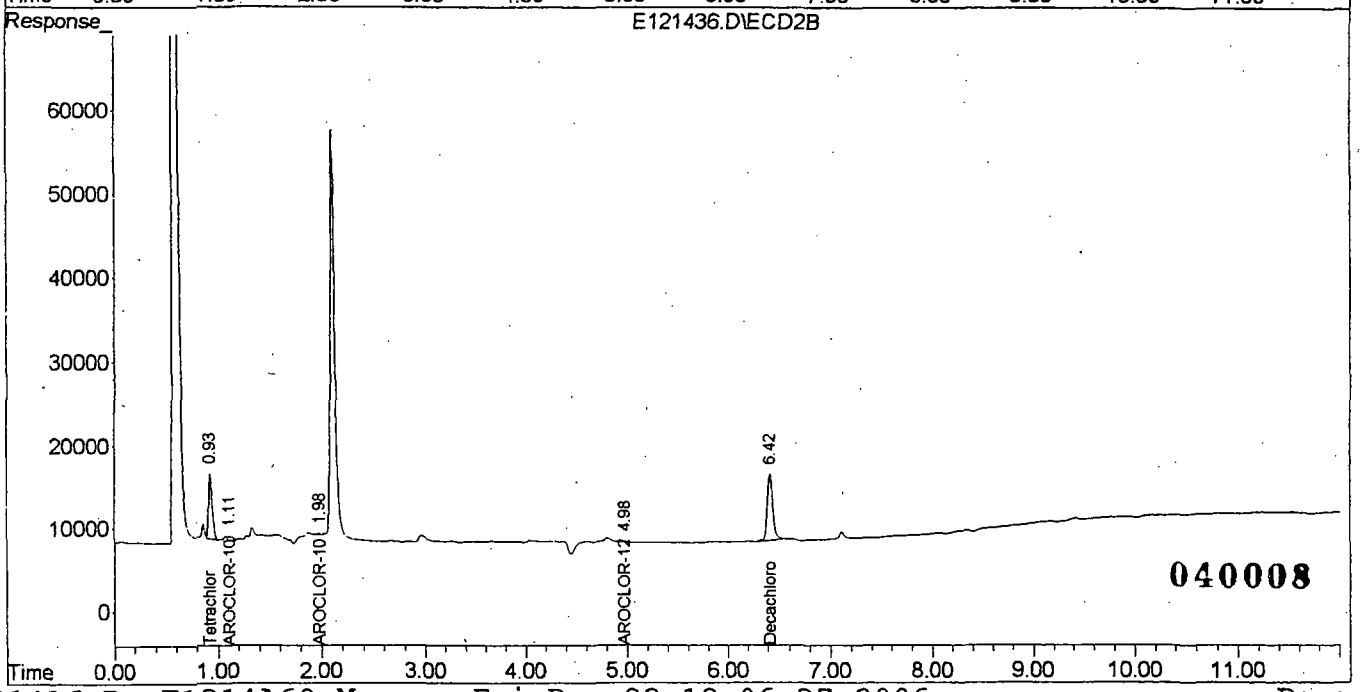
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Signal #1 : U:\DATAE\E121406\E121436.D\ECD1A.CH Vial: 36
Signal #2 : U:\DATAE\E121406\E121436.D\ECD2B.CH
Acq On : 19 Dec 2006 12:13 pm Operator:
Sample : 20489238 Inst : HP5890
Misc : 79789 1:1 Multiplr: 1.00
IntFile Signal #1: PCB1A.E IntFile Signal #2: PCB2B.E
Quant Time: Dec 22 18:00 2006 Quant Results File: E1214A60.RES

Quant Method : U:\DATAE\E1214A60.M (Chemstation Integrator)
Title : AROCLOR 1016/1260
Last Update : Fri Dec 22 17:58:38 2006
Response via : Multiple Level Calibration
RT via : U:\DATAE\E121406\E121427.D

Instrument Type :
Column Type :
Solvent Description :



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**PCBs**

**STANDARDS DATA**

**SDG: 2064976**

FORM 6-F
Response Factor Report

Method : U:\DATAE\E1214A60.M (Chemstation Integrator)
Title : AROCLOR 1016/1260
Last Update : Fri Dec 22 17:47:40 2006

Calibration Files
1 =E121403.D 2 =E121404.D 3 =E121405.D
4 =E121406.D 5 =E121407.D

Column A

| | | Compound | 1 | 2 | 3 | 4 | 5 | Avg | | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|
| 1) | S | Tetrachloro-m-xylene | 2.235 | 2.261 | 2.272 | 2.044 | 1.845 | 2.132 | E4 | 8.68 |
| 2) | L1G | AROCLOR-1016 | 4.927 | 4.851 | 4.804 | 4.315 | 3.917 | 4.563 | E2 | 9.50 |
| 3) | L1G | AROCLOR-1016-2 | 1.183 | 1.147 | 1.063 | 0.917 | 0.814 | 1.025 | E3 | 15.25 |
| | | | | | | Linear M= 0.770 R=0.992 | | | | |
| | | | | | | | B=94.845 | | | |
| 4) | L1G | AROCLOR-1016-3 | 4.825 | 5.058 | 4.829 | 4.255 | 4.001 | 4.594 | E2 | 9.68 |
| 5) | L1G | AROCLOR-1016-4 | 2.436 | 2.321 | 2.335 | 2.083 | 1.901 | 2.215 | E3 | 9.85 |
| 6) | L1G | AROCLOR-1016-5 | 8.568 | 8.291 | 8.396 | 7.366 | 6.807 | 7.886 | E2 | 9.67 |
| 7) | L1G | AROCLOR-1016-6 | 1.000 | 0.950 | 0.917 | 0.826 | 0.774 | 0.894 | E3 | 10.29 |
| | | | | | | Linear M= 0.749 R=0.997 | | | | |
| | | | | | | | B=53.427 | | | |
| 8) | L1G | AROCLOR-1016-7 | 1.009 | 0.996 | 0.956 | 0.851 | 0.790 | 0.920 | E3 | 10.38 |
| | | | | | | Linear M= 0.767 R=0.998 | | | | |
| | | | | | | | B=50.591 | | | |
| 9) | L1G | AROCLOR-1016-8 | 5.727 | 5.560 | 5.414 | 4.807 | 4.542 | 5.210 | E2 | 9.79 |
| 10) | L1G | AROCLOR-1016-TOTAL | 8.034 | 7.790 | 7.615 | 6.751 | 6.207 | 7.279 | E3 | 10.58 |
| 11) | L2G | AROCLOR-1260 | 6.455 | 6.546 | 6.781 | 6.296 | 6.030 | 6.422 | E2 | 4.37 |
| 12) | L2G | AROCLOR-1260-2 | 1.142 | 1.137 | 1.145 | 1.031 | 0.956 | 1.082 | E3 | 7.89 |
| 13) | L2G | AROCLOR-1260-3 | 1.200 | 1.196 | 1.200 | 1.090 | 1.008 | 1.139 | E3 | 7.64 |
| 14) | L2G | AROCLOR-1260-4 | 4.164 | 4.173 | 4.414 | 4.203 | 4.060 | 4.203 | E2 | 3.09 |
| 15) | L2G | AROCLOR-1260-5 | 1.043 | 1.104 | 1.154 | 1.061 | 0.985 | 1.070 | E3 | 5.96 |
| 16) | L2G | AROCLOR-1260-6 | 8.267 | 8.797 | 9.114 | 8.584 | 8.120 | 8.576 | E2 | 4.67 |
| 17) | L2G | AROCLOR-1260-7 | 2.176 | 2.237 | 2.350 | 2.191 | 2.036 | 2.198 | E3 | 5.16 |
| 18) | L2G | AROCLOR-1260-8 | 0.994 | 0.993 | 1.046 | 1.000 | 0.952 | 0.997 | E3 | 3.33 |
| 19) | L2G | AROCLOR-1260-9 | 5.096 | 5.188 | 5.793 | 5.599 | 5.398 | 5.415 | E2 | 5.31 |
| 20) | L2G | AROCLOR-1260-TOTAL | 8.953 | 9.139 | 9.506 | 8.842 | 8.298 | 8.947 | E3 | 4.94 |
| 21) | S | Decachlorobiphenyl | 1.758 | 1.733 | 1.776 | 1.624 | 1.452 | 1.669 | E4 | 8.07 |
| | | | | | | | Total Average %RSD | | | 7.81 |

**040010**

(#) = Out of Range

FORM 6-F
Response Factor Report

Method : U:\DATAE\E1214A60.M (Chemstation Integrator)
Title : AROCLOR 1016/1260
Last Update : Fri Dec 22 17:47:40 2006

Calibration Files
1 =E121403.D 2 =E121404.D 3 =E121405.D
4 =E121406.D 5 =E121407.D

Column B

| | | Compound | 1 | 2 | 3 | 4 | 5 | Avg | | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|
| 1) | S | Tetrachloro-m-xylene | 1.531 | 1.596 | 1.656 | 1.534 | 1.427 | 1.549 | E4 | 5.51 |
| 2) | L1G | AROCLOR-1016 | 4.246 | 4.327 | 4.512 | 4.282 | 3.864 | 4.246 | E2 | 5.58 |
| 3) | L1G | AROCLOR-1016-2 | 7.050 | 6.760 | 6.582 | 5.828 | 5.248 | 6.294 | E2 | 11.74 |
| | | | | | | | Linear | M= 5.053 | | R=0.996 |
| | | | | | | | | B=449.519 | | |
| 4) | L1G | AROCLOR-1016-3 | 1.364 | 1.322 | 1.317 | 1.191 | 1.112 | 1.261 | E3 | 8.37 |
| 5) | L1G | AROCLOR-1016-4 | 5.617 | 5.410 | 5.509 | 4.919 | 4.536 | 5.198 | E2 | 8.78 |
| 6) | L1G | AROCLOR-1016-5 | 3.927 | 3.878 | 4.000 | 3.662 | 3.455 | 3.785 | E2 | 5.90 |
| 7) | L1G | AROCLOR-1016-6 | 9.749 | 9.593 | 9.532 | 8.428 | 7.661 | 8.993 | E2 | 10.12 |
| | | | | | | | Linear | M= 7.406 | | R=0.996 |
| | | | | | | | | B=599.939 | | |
| 8) | L1G | AROCLOR-1016-7 | 5.792 | 5.319 | 4.966 | 4.455 | 4.141 | 4.935 | E2 | 13.38 |
| | | | | | | | Linear | M= 3.987 | | R=0.998 |
| | | | | | | | | B=308.897 | | |
| 9) | L1G | AROCLOR-1016-8 | 5.420 | 5.169 | 5.327 | 4.852 | 4.527 | 5.059 | E2 | 7.26 |
| 10) | L1G | AROCLOR-1016-TOTAL#2 | 5.545 | 5.368 | 5.360 | 4.833 | 4.456 | 5.112 | E3 | 8.87 |
| 11) | L2G | AROCLOR-1260 | 1.823 | 1.821 | 1.854 | 1.638 | 1.553 | 1.738 | E2 | 7.71 |
| 12) | L2G | AROCLOR-1260-2 | 7.464 | 7.388 | 7.441 | 6.607 | 6.118 | 7.004 | E2 | 8.72 |
| 13) | L2G | AROCLOR-1260-3 | 8.958 | 8.774 | 8.688 | 7.612 | 6.884 | 8.183 | E2 | 10.96 |
| | | | | | | | Linear | M= 6.633 | | R=0.995 |
| | | | | | | | | B=581.694 | | |
| 14) | L2G | AROCLOR-1260-4 | 1.046 | 1.015 | 1.008 | 0.885 | 0.796 | 0.950 | E3 | 11.13 |
| | | | | | | | Linear | M= 0.767 | | R=0.995 |
| | | | | | | | | B=68.627 | | |
| 15) | L2G | AROCLOR-1260-5 | 4.946 | 5.047 | 5.226 | 4.776 | 4.546 | 4.908 | E2 | 5.30 |
| 16) | L2G | AROCLOR-1260-6 | 8.240 | 8.140 | 8.161 | 7.371 | 6.694 | 7.721 | E2 | 8.73 |
| 17) | L2G | AROCLOR-1260-7 | 1.778 | 1.774 | 1.785 | 1.622 | 1.514 | 1.695 | E3 | 7.19 |
| 18) | L2G | AROCLOR-1260-8 | 1.357 | 1.356 | 1.412 | 1.294 | 1.211 | 1.326 | E3 | 5.78 |
| 19) | L2G | AROCLOR-1260-9 | 5.200 | 5.171 | 5.348 | 4.902 | 4.677 | 5.059 | E2 | 5.29 |
| 20) | L2G | AROCLOR-1260-TOTAL#2 | 7.843 | 7.779 | 7.877 | 7.092 | 6.568 | 7.432 | E3 | 7.82 |
| 21) | S | Decachlorobiphenyl | 1.976 | 1.972 | 2.017 | 1.760 | 1.536 | 1.852 | E4 | 10.97 |
| | | | | | | | Total Average %RSD | | | 8.34 |

040011

(#) = Out of Range

Form 6-E
Calibration Retention Time Report HP5890

Method : U:\DATAE\E1214A60.M (Chemstation Integrator)
Title : AROCLOR 1016/1260
Last Update : Fri Dec 22 17:47:40 2006
Response via : Initial Calibration

First Calibration Standard : E121403.D
Second Calibration Standard : E121404.D
Third Calibration Standard : E121405.D
Fourth Calibration Standard : E121406.D
Fifth Calibration Standard : E121407.D

Column A

| | Compound | RT of Standard | | | | | Mid-Point | RT Window | |
|---|---|---|---|---|---|---|---|---|---|
| | | First | Second | Third | Fourth | Fifth | RT | From | To |
| 1 | Tetrachloro-m-xyl | 1.795 | 1.801 | 1.799 | 1.797 | 1.798 | 1.799 | 1.769 | 1.829 |
| 2 | AROCLOR-1016 | 2.380 | 2.383 | 2.381 | 2.379 | 2.379 | 2.381 | 2.351 | 2.411 |
| 3 | AROCLOR-1016-2 | 2.846 | 2.849 | 2.848 | 2.846 | 2.845 | 2.848 | 2.818 | 2.878 |
| 4 | AROCLOR-1016-3 | 3.122 | 3.125 | 3.125 | 3.122 | 3.122 | 3.125 | 3.095 | 3.155 |
| 5 | AROCLOR-1016-4 | 3.298 | 3.301 | 3.301 | 3.298 | 3.298 | 3.301 | 3.271 | 3.331 |
| 6 | AROCLOR-1016-5 | 3.523 | 3.524 | 3.526 | 3.524 | 3.523 | 3.526 | 3.496 | 3.556 |
| 7 | AROCLOR-1016-6 | 3.709 | 3.711 | 3.712 | 3.709 | 3.707 | 3.712 | 3.682 | 3.742 |
| 8 | AROCLOR-1016-7 | 4.185 | 4.188 | 4.190 | 4.187 | 4.185 | 4.190 | 4.160 | 4.220 |
| 9 | AROCLOR-1016-8 | 4.369 | 4.371 | 4.372 | 4.369 | 4.369 | 4.372 | 4.342 | 4.402 |
| 10 | AROCLOR-1016-TOTA | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.030 |
| 11 | AROCLOR-1260 | 5.690 | 5.694 | 5.693 | 5.690 | 5.690 | 5.693 | 5.663 | 5.723 |
| 12 | AROCLOR-1260-2 | 5.983 | 5.988 | 5.986 | 5.982 | 5.983 | 5.986 | 5.956 | 6.016 |
| 13 | AROCLOR-1260-3 | 6.115 | 6.119 | 6.118 | 6.114 | 6.115 | 6.118 | 6.088 | 6.148 |
| 14 | AROCLOR-1260-4 | 6.448 | 6.453 | 6.452 | 6.448 | 6.449 | 6.452 | 6.422 | 6.482 |
| 15 | AROCLOR-1260-5 | 6.683 | 6.689 | 6.687 | 6.683 | 6.684 | 6.687 | 6.657 | 6.717 |
| 16 | AROCLOR-1260-6 | 7.506 | 7.507 | 7.508 | 7.504 | 7.505 | 7.508 | 7.468 | 7.548 |
| 17 | AROCLOR-1260-7 | 7.728 | 7.731 | 7.732 | 7.727 | 7.728 | 7.732 | 7.692 | 7.772 |
| 18 | AROCLOR-1260-8 | 8.515 | 8.518 | 8.519 | 8.513 | 8.515 | 8.519 | 8.479 | 8.559 |
| 19 | AROCLOR-1260-9 | 9.309 | 9.312 | 9.313 | 9.307 | 9.311 | 9.313 | 9.273 | 9.353 |
| 20 | AROCLOR-1260-TOTA | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.040 |
| 21 | Decachlorobipheny | 10.732 | 10.735 | 10.734 | 10.726 | 10.730 | 10.734 | 10.674 | 10.794 |

040012

Form 6-E
Calibration Retention Time Report HP5890

Method : U:\DATAE\E1214A60.M (Chemstation Integrator)
Title : AROCLOR 1016/1260
Last Update : Fri Dec 22 17:47:40 2006
Response via : Initial Calibration

First Calibration Standard : E121403.D
Second Calibration Standard : E121404.D
Third Calibration Standard : E121405.D
Fourth Calibration Standard : E121406.D
Fifth Calibration Standard : E121407.D

Column B

| | Compound | RT of Standard | | | | | Mid-Point | RT Window | |
|---|---|---|---|---|---|---|---|---|---|
| | | First | Second | Third | Fourth | Fifth | RT | From | To |
| 1 | Tetrachloro-m-xyl | 0.917 | 0.918 | 0.917 | 0.914 | 0.916 | 0.917 | 0.887 | 0.947 |
| 2 | AROCLOR-1016 #2 | 1.083 | 1.085 | 1.084 | 1.081 | 1.082 | 1.084 | 1.054 | 1.114 |
| 3 | AROCLOR-1016-2 #2 | 1.242 | 1.243 | 1.242 | 1.239 | 1.239 | 1.242 | 1.222 | 1.262 |
| 4 | AROCLOR-1016-3 #2 | 1.486 | 1.488 | 1.487 | 1.484 | 1.484 | 1.487 | 1.467 | 1.507 |
| 5 | AROCLOR-1016-4 #2 | 1.561 | 1.563 | 1.561 | 1.558 | 1.559 | 1.561 | 1.541 | 1.581 |
| 6 | AROCLOR-1016-5 #2 | 1.626 | 1.627 | 1.626 | 1.624 | 1.625 | 1.626 | 1.606 | 1.646 |
| 7 | AROCLOR-1016-6 #2 | 1.699 | 1.702 | 1.701 | 1.698 | 1.696 | 1.701 | 1.681 | 1.721 |
| 8 | AROCLOR-1016-7 #2 | 1.871 | 1.874 | 1.872 | 1.870 | 1.870 | 1.872 | 1.842 | 1.902 |
| 9 | AROCLOR-1016-8 #2 | 1.945 | 1.947 | 1.946 | 1.943 | 1.943 | 1.946 | 1.916 | 1.976 |
| 10 | AROCLOR-1016-TOTA | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.030 |
| 11 | AROCLOR-1260 #2 | 2.705 | 2.709 | 2.709 | 2.706 | 2.705 | 2.709 | 2.679 | 2.739 |
| 12 | AROCLOR-1260-2 #2 | 2.811 | 2.814 | 2.813 | 2.810 | 2.809 | 2.813 | 2.783 | 2.843 |
| 13 | AROCLOR-1260-3 #2 | 2.963 | 2.966 | 2.965 | 2.961 | 2.961 | 2.965 | 2.935 | 2.995 |
| 14 | AROCLOR-1260-4 #2 | 3.234 | 3.237 | 3.236 | 3.232 | 3.231 | 3.236 | 3.206 | 3.266 |
| 15 | AROCLOR-1260-5 #2 | 3.430 | 3.433 | 3.433 | 3.430 | 3.429 | 3.433 | 3.403 | 3.463 |
| 16 | AROCLOR-1260-6 #2 | 4.080 | 4.083 | 4.083 | 4.079 | 4.079 | 4.083 | 4.053 | 4.113 |
| 17 | AROCLOR-1260-7 #2 | 4.481 | 4.485 | 4.484 | 4.480 | 4.480 | 4.484 | 4.454 | 4.514 |
| 18 | AROCLOR-1260-8 #2 | 4.956 | 4.959 | 4.959 | 4.955 | 4.954 | 4.959 | 4.919 | 4.999 |
| 19 | AROCLOR-1260-9 #2 | 5.833 | 5.839 | 5.838 | 5.834 | 5.834 | 5.838 | 5.798 | 5.878 |
| 20 | AROCLOR-1260-TOTA | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.040 |
| 21 | Decachlorobipheny | 6.392 | 6.396 | 6.395 | 6.389 | 6.391 | 6.395 | 6.335 | 6.455 |

**040013**

Concentration Report for E1214A60.M

Method : U:\DATAE\E1214A60.M (Chemstation Integrator)
Title : AROCLOR 1016/1260

COLUMN A — Calibration Levels

| | compound name | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|---|
| 1 | Tetrachloro-m-x | 20.000 | 40.000 | 80.000 | 160.0 | 320.0 |
| 2 | AROCLOR-1016 | 100.0 | 200.0 | 400.0 | 800.0 | 1600.0 |
| 3 | AROCLOR-1016-2 | 100.0 | 200.0 | 400.0 | 800.0 | 1600.0 |
| 4 | AROCLOR-1016-3 | 100.0 | 200.0 | 400.0 | 800.0 | 1600.0 |
| 5 | AROCLOR-1016-4 | 100.0 | 200.0 | 400.0 | 800.0 | 1600.0 |
| 6 | AROCLOR-1016-5 | 100.0 | 200.0 | 400.0 | 800.0 | 1600.0 |
| 7 | AROCLOR-1016-6 | 100.0 | 200.0 | 400.0 | 800.0 | 1600.0 |
| 8 | AROCLOR-1016-7 | 100.0 | 200.0 | 400.0 | 800.0 | 1600.0 |
| 9 | AROCLOR-1016-8 | 100.0 | 200.0 | 400.0 | 800.0 | 1600.0 |
| 10 | AROCLOR-1016-TO | 100.0 | 200.0 | 400.0 | 800.0 | 1600.0 |
| 11 | AROCLOR-1260 | 100.0 | 200.0 | 400.0 | 800.0 | 1600.0 |
| 12 | AROCLOR-1260-2 | 100.0 | 200.0 | 400.0 | 800.0 | 1600.0 |
| 13 | AROCLOR-1260-3 | 100.0 | 200.0 | 400.0 | 800.0 | 1600.0 |
| 14 | AROCLOR-1260-4 | 100.0 | 200.0 | 400.0 | 800.0 | 1600.0 |
| 15 | AROCLOR-1260-5 | 100.0 | 200.0 | 400.0 | 800.0 | 1600.0 |
| 16 | AROCLOR-1260-6 | 100.0 | 200.0 | 400.0 | 800.0 | 1600.0 |
| 17 | AROCLOR-1260-7 | 100.0 | 200.0 | 400.0 | 800.0 | 1600.0 |
| 18 | AROCLOR-1260-8 | 100.0 | 200.0 | 400.0 | 800.0 | 1600.0 |
| 19 | AROCLOR-1260-9 | 100.0 | 200.0 | 400.0 | 800.0 | 1600.0 |
| 20 | AROCLOR-1260-TO | 100.0 | 200.0 | 400.0 | 800.0 | 1600.0 |
| 21 | Decachlorobiphe | 20.000 | 40.000 | 80.000 | 160.0 | 320.0 |

Concentration Report for E1214A60.M

Method : U:\DATAE\E1214A60.M (Chemstation Integrator)
Title : AROCLOR 1016/1260

COLUMN B — Calibration Levels

| | compound name | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|---|
| 1 | Tetrachloro-m-x | 20.000 | 40.000 | 80.000 | 160.0 | 320.0 |
| 2 | AROCLOR-1016 | 100.0 | 200.0 | 400.0 | 800.0 | 1600.0 |
| 3 | AROCLOR-1016-2 | 100.0 | 200.0 | 400.0 | 800.0 | 1600.0 |
| 4 | AROCLOR-1016-3 | 100.0 | 200.0 | 400.0 | 800.0 | 1600.0 |
| 5 | AROCLOR-1016-4 | 100.0 | 200.0 | 400.0 | 800.0 | 1600.0 |
| 6 | AROCLOR-1016-5 | 100.0 | 200.0 | 400.0 | 800.0 | 1600.0 |
| 7 | AROCLOR-1016-6 | 100.0 | 200.0 | 400.0 | 800.0 | 1600.0 |
| 8 | AROCLOR-1016-7 | 100.0 | 200.0 | 400.0 | 800.0 | 1600.0 |
| 9 | AROCLOR-1016-8 | 100.0 | 200.0 | 400.0 | 800.0 | 1600.0 |
| 32 | AROCLOR-1016-TO | 100.0 | 200.0 | 400.0 | 800.0 | 1600.0 |
| 33 | AROCLOR-1260 | 100.0 | 200.0 | 400.0 | 800.0 | 1600.0 |
| 34 | AROCLOR-1260-2 | 100.0 | 200.0 | 400.0 | 800.0 | 1600.0 |
| 35 | AROCLOR-1260-3 | 100.0 | 200.0 | 400.0 | 800.0 | 1600.0 |
| 36 | AROCLOR-1260-4 | 100.0 | 200.0 | 400.0 | 800.0 | 1600.0 |
| 37 | AROCLOR-1260-5 | 100.0 | 200.0 | 400.0 | 800.0 | 1600.0 |
| 38 | AROCLOR-1260-6 | 100.0 | 200.0 | 400.0 | 800.0 | 1600.0 |
| 39 | AROCLOR-1260-7 | 100.0 | 200.0 | 400.0 | 800.0 | 1600.0 |
| 40 | AROCLOR-1260-8 | 100.0 | 200.0 | 400.0 | 800.0 | 1600.0 |
| 41 | AROCLOR-1260-9 | 100.0 | 200.0 | 400.0 | 800.0 | 1600.0 |
| 42 | AROCLOR-1260-TO | 100.0 | 200.0 | 400.0 | 800.0 | 1600.0 |
| 43 | Decachlorobiphe | 20.000 | 40.000 | 80.000 | 160.0 | 320.0 |

Quantitation Report (QT Reviewed)

Signal #1 : U:\DATAE\E121406\E121403.D\ECD1A.CH Vial: 3
Signal #2 : U:\DATAE\E121406\E121403.D\ECD2B.CH
Acq On : 14 Dec 2006 2:04 pm Operator:
Sample : 576-22-AR1660-1 Inst : HP5890
Misc : Multiplr: 1.00
IntFile Signal #1: PCB1A.E IntFile Signal #2: PCB2B.E
Quant Time: Dec 22 17:47 2006 Quant Results File: E1214A60.RES

Quant Method : U:\DATAE\E1214A60.M (Chemstation Integrator)
Title : AROCLOR 1016/1260
Last Update : Fri Dec 22 16:59:35 2006
Response via : Initial Calibration
RT via : U:\DATAE\E121406\E121405.D

REVIEWED

Instrument Type :
Column Type :
Solvent Description :

| | | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | PPB | PPB |
|---|---|---|---|---|---|---|---|---|
| | | System Monitoring Compounds | | | | | | |
| 1) | S | Tetrachloro-m-xy | 1.795 | 0.917 | 447090 | 306227 | 20.723m | 19.679 |
| 21) | S | Decachlorobiphen | 10.732 | 6.392 | 351582 | 395253 | 18.398 | 21.586 |
| | | Target Compounds | | | | | | |
| 2) | L1G | AROCLOR-1016 | 2.380 | 1.083 | 49271 | 42462 | 89.256m | 102.158 |
| 3) | L1G | AROCLOR-1016-2 | 2.846 | 1.242 | 118340 | 70497 | 50.580m | 65.288 |
| 4) | L1G | AROCLOR-1016-3 | 3.122 | 1.486 | 48252 | 136439 | 100.742 | 108.824 |
| 5) | L1G | AROCLOR-1016-4 | 3.298 | 1.561 | 243622 | 56174 | 107.972 | 109.087 |
| 6) | L1G | AROCLOR-1016-5 | 3.523 | 1.626 | 85683 | 39274 | 121.654 | 105.512 |
| 7) | L1G | AROCLOR-1016-6 | 3.709 | 1.699 | 100021 | 97486 | 49.632 | 107.646m# |
| 8) | L1G | AROCLOR-1016-7 | 4.185 | 1.871 | 100932 | 57919 | 107.853m | 67.830 # |
| 9) | L1G | AROCLOR-1016-8 | 4.369 | 1.945 | 57273 | 54205 | 110.567 | 107.801 |
| 10) | L1G | AROCLOR-1016-TOT | 0.000 | 0.000 | 803392 | 554456 | 108.545m | 108.950m |
| | | Sum AROCLOR-1016 | | | 803392 | 554456 | 738.257 | 774.146 |
| Average | | AROCLOR-1016 | | | | | 92.282 | 96.768 |
| 11) | L2G | AROCLOR-1260 | 5.690 | 2.705 | 64553 | 18234 | 87.278 | 101.995m |
| 12) | L2G | AROCLOR-1260-2 | 5.983 | 2.811 | 114171 | 74639 | 22.074 | 105.661 # |
| 13) | L2G | AROCLOR-1260-3 | 6.115 | 2.963 | 119987 | 89580 | 89.321 | 50.090 # |
| 14) | L2G | AROCLOR-1260-4 | 6.448 | 3.234 | 41640 | 104552 | 79.657 | 49.755 # |
| 15) | L2G | AROCLOR-1260-5 | 6.683 | 3.430 | 104257 | 49457 | 77.623 | 99.658 |
| 16) | L2G | AROCLOR-1260-6 | 7.506 | 4.080 | 82674 | 82402 | 72.982 | 104.755 |
| 17) | L2G | AROCLOR-1260-7 | 7.728 | 4.481 | 217591 | 177792 | 77.621 | 103.633 |
| 18) | L2G | AROCLOR-1260-8 | 8.515 | 4.956 | 99446 | 135668 | 77.935 | 102.111 |
| 19) | L2G | AROCLOR-1260-9 | 9.309 | 5.833 | 50960 | 52001 | 71.830m | 103.843m |
| 20) | L2G | AROCLOR-1260-TOT | 0.000 | 0.000 | 895278 | 784325 | 80.369m | 104.704m |
| | | Sum AROCLOR-1260 | | | 895278 | 784325 | 656.322 | 821.500 |
| Average | | AROCLOR-1260 | | | | | 72.925 | 91.278 |

040016

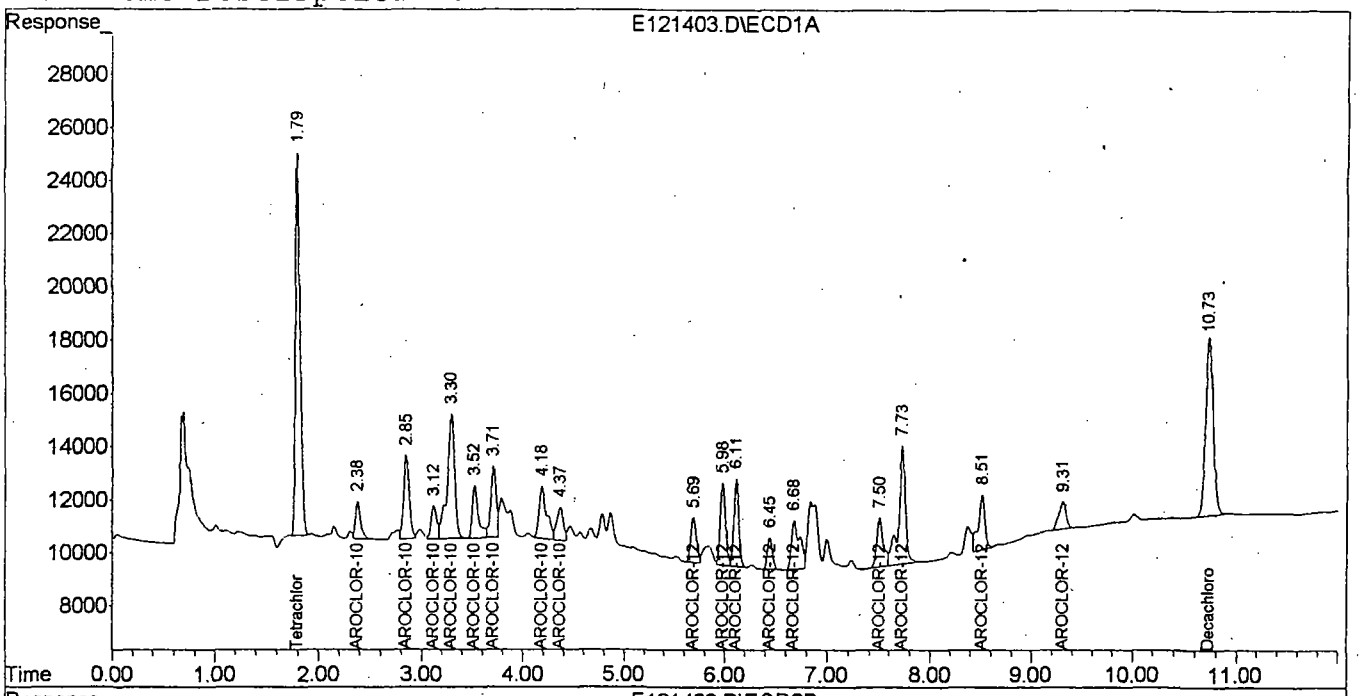
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

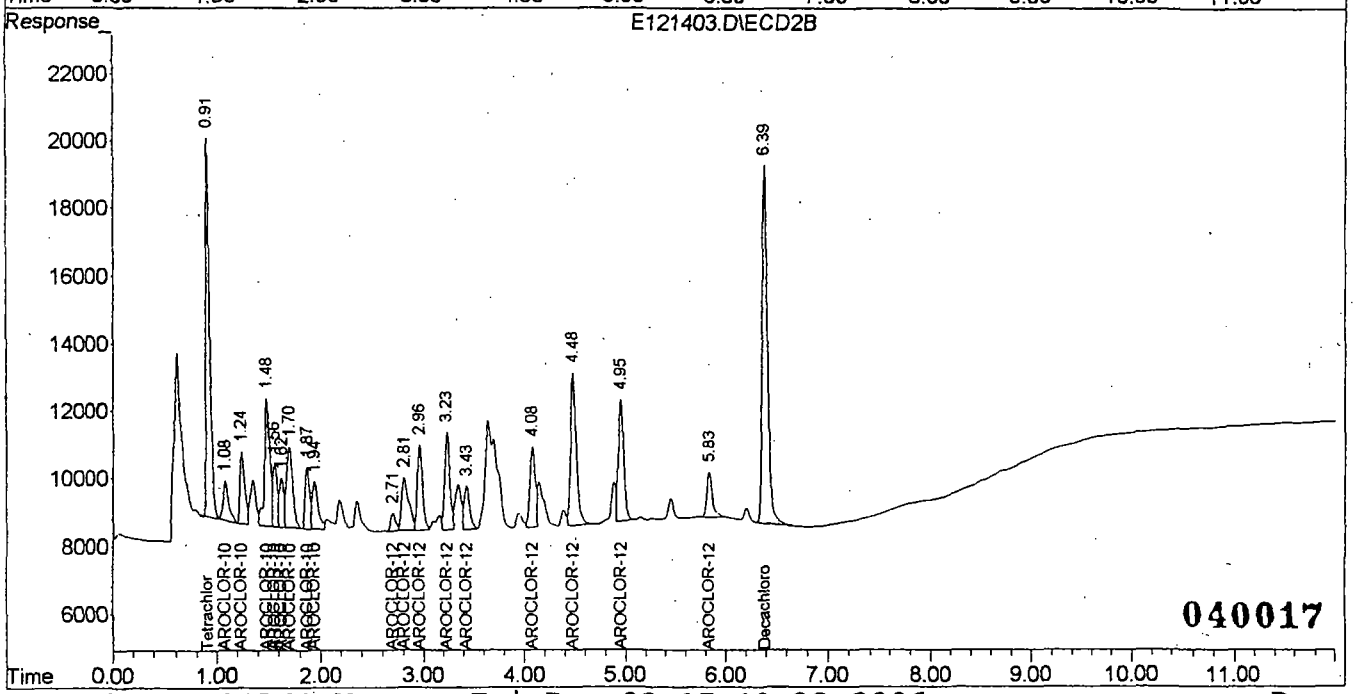
Quantitation Report (QT Reviewed)

Signal #1 : U:\DATAE\E121406\E121403.D\ECD1A.CH Vial: 3
Signal #2 : U:\DATAE\E121406\E121403.D\ECD2B.CH
Acq On : 14 Dec 2006 2:04 pm Operator:
Sample : 576-22-AR1660-1 Inst : HP5890
Misc : Multiplr: 1.00
IntFile Signal #1: PCB1A.E IntFile Signal #2: PCB2B.E
Quant Time: Dec 22 17:47 2006 Quant Results File: E1214A60.RES

Quant Method : U:\DATAE\E1214A60.M (Chemstation Integrator)
Title : AROCLOR 1016/1260
Last Update : Fri Dec 22 16:59:35 2006
Response via : Multiple Level Calibration
RT via : U:\DATAE\E121406\E121405.D

Instrument Type :
Column Type :
Solvent Description :



Quantitation Report (QT Reviewed)

Signal #1 : U:\DATAE\E121406\E121404.D\ECD1A.CH Vial: 4
Signal #2 : U:\DATAE\E121406\E121404.D\ECD2B.CH
Acq On : 14 Dec 2006 2:19 pm Operator:
Sample : 576-22-AR1660-2 Inst : HP5890
Misc : Multiplr: 1.00
IntFile Signal #1: PCB1A.E IntFile Signal #2: PCB2B.E
Quant Time: Dec 22 17:27 2006 Quant Results File: E1214A60.RES

Quant Method : U:\DATAE\E1214A60.M (Chemstation Integrator)
Title : AROCLOR 1016/1260
Last Update : Fri Dec 22 16:59:35 2006
Response via : Initial Calibration
RT via : U:\DATAE\E121406\E121405.D

REVIEWED
DEC 27 2006

Instrument Type :
Column Type :
Solvent Description :

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | PPB | PPB |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | S Tetrachloro-m-xy | 1.801 | 0.918 | 904278 | 638508 | 41.914 | 41.032 |
| 21) | S Decachlorobiphen | 10.735 | 6.396 | 693293 | 788682 | 36.280 | 43.073 |
| | Target Compounds | | | | | | |
| 2) | L1G AROCLOR-1016 | 2.383 | 1.085 | 97013 | 86543 | 175.744m | 208.211 |
| 3) | L1G AROCLOR-1016-2 | 2.849 | 1.243 | 229310 | 135194 | 187.689m | 191.204 |
| 4) | L1G AROCLOR-1016-3 | 3.125 | 1.488 | 101168 | 264393 | 211.220 | 210.881 |
| 5) | L1G AROCLOR-1016-4 | 3.301 | 1.563 | 464240 | 108194 | 205.750m | 210.107 |
| 6) | L1G AROCLOR-1016-5 | 3.524 | 1.627 | 165828 | 77570 | 235.447m | 208.396 |
| 7) | L1G AROCLOR-1016-6 | 3.711 | 1.702 | 190044 | 191861 | 173.788m | 211.857 |
| 8) | L1G AROCLOR-1016-7 | 4.188 | 1.874 | 199127 | 106374 | 212.781m | 188.661 |
| 9) | L1G AROCLOR-1016-8 | 4.371 | 1.947 | 111208 | 103379 | 214.692m | 205.596 |
| 10) | L1G AROCLOR-1016-TOT | 0.000 | 0.000 | 1557938 | 1073508 | 210.491m | 210.943m |
| | Sum AROCLOR-1016 | | | 1557938 | 1073508 | 1617.110 | 1634.914 |
| Average | AROCLOR-1016 | | | | | 202.139 | 204.364 |
| 11) | L2G AROCLOR-1260 | 5.694 | 2.709 | 130911 | 36416 | 176.997 | 203.698 |
| 12) | L2G AROCLOR-1260-2 | 5.988 | 2.814 | 227485 | 147757 | 134.138 | 209.169 # |
| 13) | L2G AROCLOR-1260-3 | 6.119 | 2.966 | 239192 | 175483 | 178.060 | 179.705 |
| 14) | L2G AROCLOR-1260-4 | 6.453 | 3.237 | 83470 | 203006 | 159.676 | 179.374 |
| 15) | L2G AROCLOR-1260-5 | 6.689 | 3.433 | 220860 | 100937 | 164.439 | 203.394 |
| 16) | L2G AROCLOR-1260-6 | 7.507 | 4.083 | 175942 | 162801 | 155.317m | 206.965 |
| 17) | L2G AROCLOR-1260-7 | 7.731 | 4.485 | 447464 | 354821 | 159.624 | 206.821 |
| 18) | L2G AROCLOR-1260-8 | 8.518 | 4.959 | 198693 | 271110 | 155.714 | 204.051 |
| 19) | L2G AROCLOR-1260-9 | 9.312 | 5.839 | 103751 | 103411 | 146.240m | 206.505 |
| 20) | L2G AROCLOR-1260-TOT | 0.000 | 0.000 | 1827767 | 1555744 | 164.079m | 207.686m |
| | Sum AROCLOR-1260 | | | 1827767 | 1555744 | 1430.206 | 1799.682 |
| Average | AROCLOR-1260 | | | | | 158.912 | 199.965 |

040018

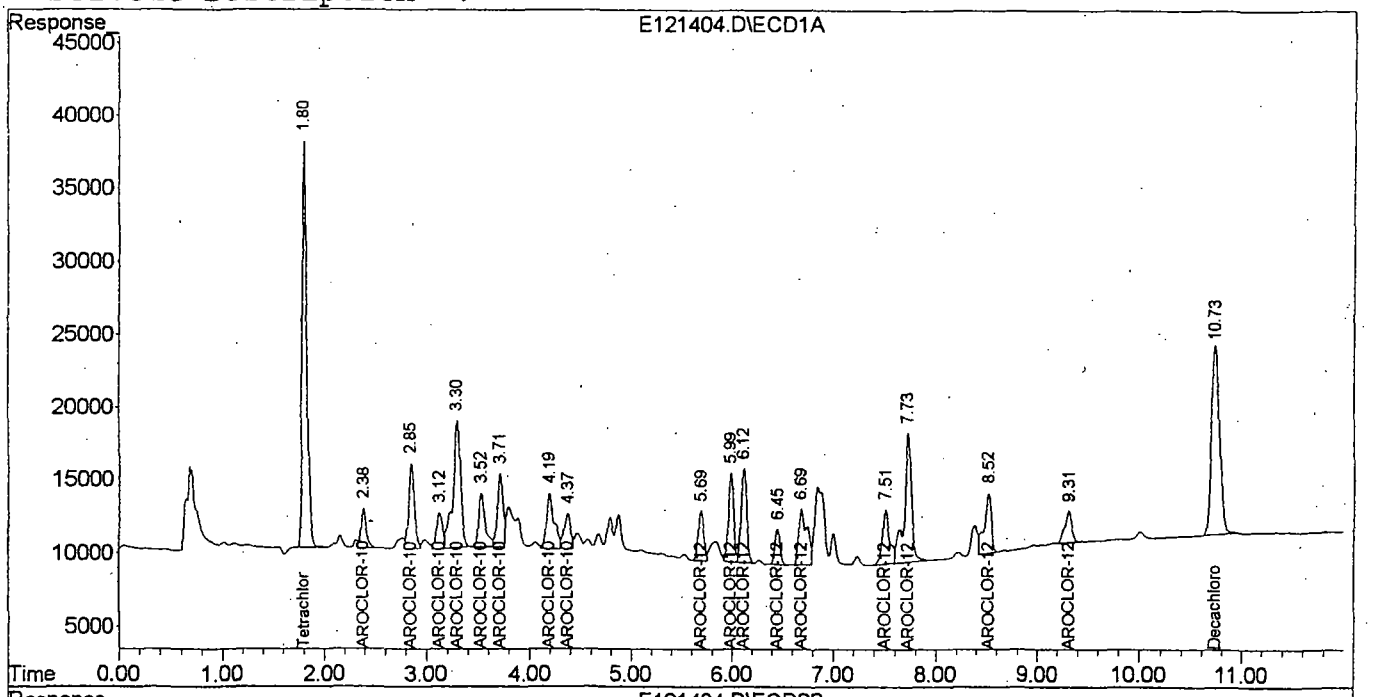
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

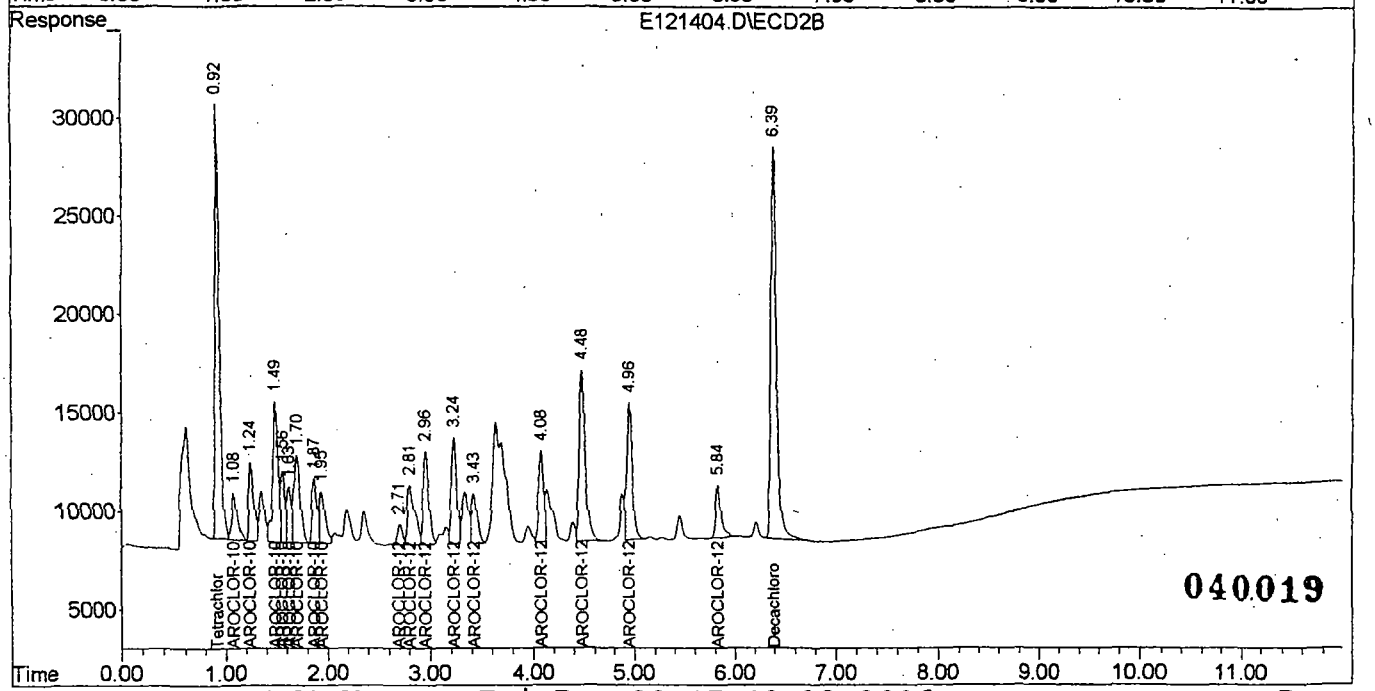
Quantitation Report (QT Reviewed)

Signal #1 : U:\DATAE\E121406\E121404.D\ECD1A.CH Vial: 4
Signal #2 : U:\DATAE\E121406\E121404.D\ECD2B.CH
Acq On : 14 Dec 2006 2:19 pm Operator:
Sample : 576-22-AR1660-2 Inst : HP5890
Misc : Multiplr: 1.00
IntFile Signal #1: PCB1A.E IntFile Signal #2: PCB2B.E
Quant Time: Dec 22 17:27 2006 Quant Results File: E1214A60.RES

Quant Method : U:\DATAE\E1214A60.M (Chemstation Integrator)
Title : AROCLOR 1016/1260
Last Update : Fri Dec 22 16:59:35 2006
Response via : Multiple Level Calibration
RT via : U:\DATAE\E121406\E121405.D

Instrument Type :
Column Type :
Solvent Description :



Quantitation Report (QT Reviewed)

Signal #1 : U:\DATAE\E121406\E121405.D\ECD1A.CH Vial: 5
Signal #2 : U:\DATAE\E121406\E121405.D\ECD2B.CH
Acq On : 14 Dec 2006 2:34 pm Operator:
Sample : 576-22-AR1660-3 Inst : HP5890
Misc : Multiplr: 1.00
IntFile Signal #1: PCB1A.E IntFile Signal #2: PCB2B.E
Quant Time: Dec 22 17:26 2006 Quant Results File: E1214A60.RES

Quant Method : U:\DATAE\E1214A60.M (Chemstation Integrator)
Title : AROCLOR 1016/1260
Last Update : Fri Dec 22 16:59:35 2006
Response via : Initial Calibration
RT via : U:\DATAE\E121406\E121405.D

REVIEWED

Instrument Type :
Column Type :
Solvent Description :

| | | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | PPB | PPB |
|---|---|---|---|---|---|---|---|---|
| | | System Monitoring Compounds | | | | | | |
| 1) | S | Tetrachloro-m-xy | 1.799 | 0.917 | 1817680 | 1325147 | 84.250 | 85.157 |
| 21) | S | Decachlorobiphen | 10.734 | 6.395 | 1421026 | 1613736 | 74.363 | 88.133 |
| | | Target Compounds | | | | | | |
| 2) | L1G | AROCLOR-1016 | 2.381 | 1.084 | 192144 | 180462 | 348.079m | 434.167 |
| 3) | L1G | AROCLOR-1016-2 | 2.848 | 1.242 | 425327 | 263287 | 429.878m | 440.506 |
| 4) | L1G | AROCLOR-1016-3 | 3.125 | 1.487 | 193158 | 526797 | 403.278 | 420.175 |
| 5) | L1G | AROCLOR-1016-4 | 3.301 | 1.561 | 934090 | 220359 | 413.985 | 427.927 |
| 6) | L1G | AROCLOR-1016-5 | 3.526 | 1.626 | 335844 | 159998 | 476.840 | 429.842 |
| 7) | L1G | AROCLOR-1016-6 | 3.712 | 1.701 | 366625 | 381297 | 417.319 | 421.036 |
| 8) | L1G | AROCLOR-1016-7 | 4.190 | 1.872 | 382331 | 198649 | 408.548 | 418.761 |
| 9) | L1G | AROCLOR-1016-8 | 4.372 | 1.946 | 216557 | 213070 | 418.074 | 423.746 |
| 10) | L1G | AROCLOR-1016-TOT | 0.000 | 0.000 | 3046076 | 2143917 | 411.551m | 421.277m |
| | Sum | AROCLOR-1016 | | | 3046076 | 2143917 | 3316.000 | 3416.160 |
| Average | | AROCLOR-1016 | | | | | 414.500 | 427.020 |
| 11) | L2G | AROCLOR-1260 | 5.693 | 2.709 | 271260 | 74156 | 366.756 | 414.802 |
| 12) | L2G | AROCLOR-1260-2 | 5.986 | 2.813 | 457859 | 297643 | 361.973 | 421.350 |
| 13) | L2G | AROCLOR-1260-3 | 6.118 | 2.965 | 480142 | 347539 | 357.430 | 439.312 |
| 14) | L2G | AROCLOR-1260-4 | 6.452 | 3.236 | 176576 | 403309 | 337.787 | 443.082 |
| 15) | L2G | AROCLOR-1260-5 | 6.687 | 3.433 | 461699 | 209057 | 343.751 | 421.259 |
| 16) | L2G | AROCLOR-1260-6 | 7.508 | 4.083 | 364552 | 326428 | 321.816m | 414.979 |
| 17) | L2G | AROCLOR-1260-7 | 7.732 | 4.484 | 940124 | 713929 | 335.371 | 416.140 |
| 18) | L2G | AROCLOR-1260-8 | 8.519 | 4.959 | 418398 | 564977 | 327.897 | 425.230 |
| 19) | L2G | AROCLOR-1260-9 | 9.313 | 5.838 | 231714 | 213930 | 326.607m | 427.204 |
| 20) | L2G | AROCLOR-1260-TOT | 0.000 | 0.000 | 3802323 | 3150967 | 341.334m | 420.641m |
| | Sum | AROCLOR-1260 | | | 3802323 | 3150967 | 3079.387 | 3823.358 |
| Average | | AROCLOR-1260 | | | | | 342.154 | 424.818 |

040020

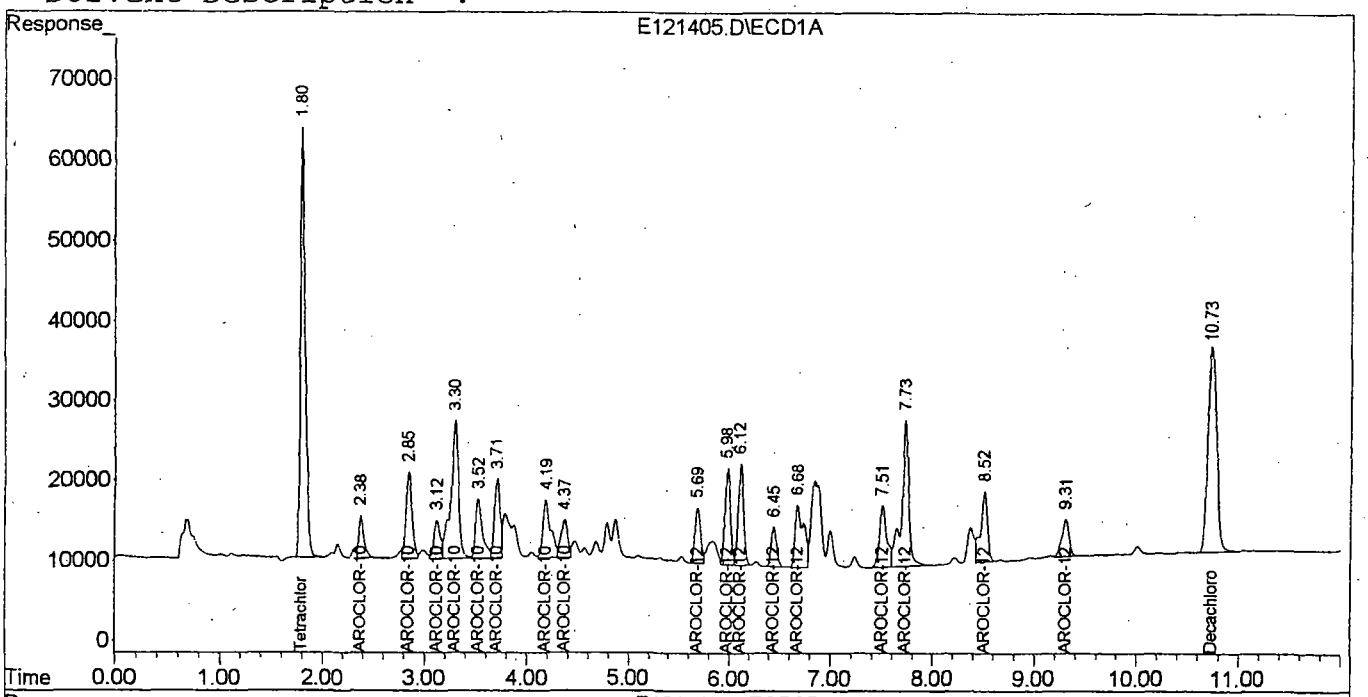
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

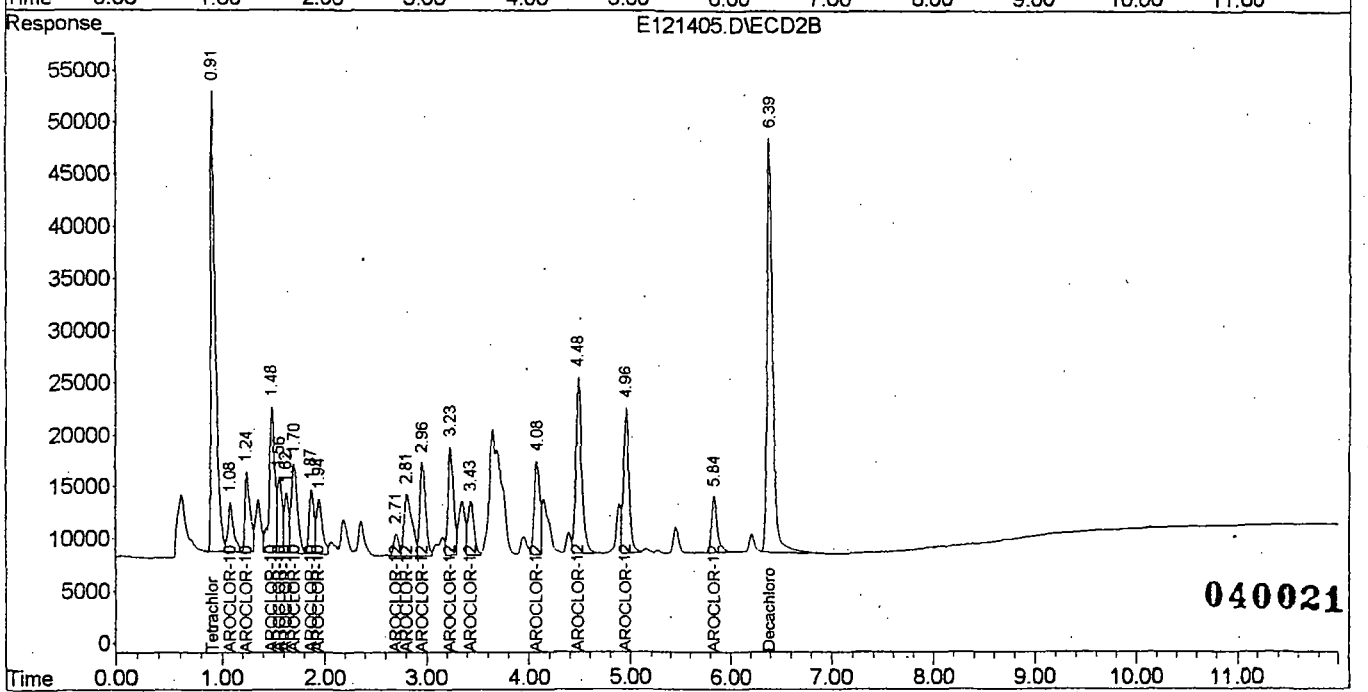
Quantitation Report (QT Reviewed)

Signal #1 : U:\DATAE\E121406\E121405.D\ECD1A.CH Vial: 5
Signal #2 : U:\DATAE\E121406\E121405.D\ECD2B.CH
Acq On : 14 Dec 2006 2:34 pm Operator:
Sample : 576-22-AR1660-3 Inst : HP5890
Misc : Multiplr: 1.00
IntFile Signal #1: PCB1A.E IntFile Signal #2: PCB2B.E
Quant Time: Dec 22 17:26 2006 Quant Results File: E1214A60.RES

Quant Method : U:\DATAE\E1214A60.M (Chemstation Integrator)
Title : AROCLOR 1016/1260
Last Update : Fri Dec 22 16:59:35 2006
Response via : Multiple Level Calibration
RT via : U:\DATAE\E121406\E121405.D

Instrument Type :
Column Type :
Solvent Description :




040021

Quantitation Report (QT Reviewed)

Signal #1 : U:\DATAE\E121406\E121406.D\ECD1A.CH Vial: 6
Signal #2 : U:\DATAE\E121406\E121406.D\ECD2B.CH
Acq On : 14 Dec 2006 2:49 pm Operator:
Sample : 576-22-AR1660-4 Inst : HP5890
Misc : Multiplr: 1.00
IntFile Signal #1: PCB1A.E IntFile Signal #2: PCB2B.E
Quant Time: Dec 22 17:23 2006 Quant Results File: E1214A60.RES

Quant Method : U:\DATAE\E1214A60.M (Chemstation Integrator)
Title : AROCLOR 1016/1260
Last Update : Fri Dec 22 16:59:35 2006
Response via : Initial Calibration
RT via : U:\DATAE\E121406\E121405.D

Instrument Type :
Column Type :
Solvent Description :

| | | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | PPB | PPB |
|---|---|---|---|---|---|---|---|---|
| | | System Monitoring Compounds | | | | | | |
| 1) | S | Tetrachloro-m-xy | 1.797 | 0.914 | 3270690 | 2454109 | 151.597 | 157.707 |
| 21) | S | Decachlorobiphen | 10.726 | 6.389 | 2598045 | 2815912 | 135.956 | 153.789m |
| | | Target Compounds | | | | | | |
| 2) | L1G | AROCLOR-1016 | 2.379 | 1.081 | 345192 | 342543 | 625.335m | 824.114 |
| 3) | L1G | AROCLOR-1016-2 | 2.846 | 1.239 | 733250 | 466274 | 810.332m | 835.573 |
| 4) | L1G | AROCLOR-1016-3 | 3.122 | 1.484 | 340413 | 952626 | 710.718 | 759.818 |
| 5) | L1G | AROCLOR-1016-4 | 3.298 | 1.558 | 1666309 | 393535 | 738.502 | 764.227 |
| 6) | L1G | AROCLOR-1016-5 | 3.524 | 1.624 | 589296 | 292959 | 836.696 | 787.050 |
| 7) | L1G | AROCLOR-1016-6 | 3.709 | 1.698 | 661004 | 674243 | 823.314 | 744.514 |
| 8) | L1G | AROCLOR-1016-7 | 4.187 | 1.870 | 680974 | 356417 | 727.668 | 812.176 |
| 9) | L1G | AROCLOR-1016-8 | 4.369 | 1.943 | 384587 | 388162 | 742.463 | 771.964 |
| 10) | L1G | AROCLOR-1016-TOT | 0.000 | 0.000 | 5401026 | 3866760 | 729.726m | 759.813m |
| | | Sum AROCLOR-1016 | | | 5401026 | 3866760 | 6015.028 | 6299.435 |
| | | Average AROCLOR-1016 | | | | | 751.878 | 787.429 |
| 11) | L2G | AROCLOR-1260 | 5.690 | 2.706 | 503666 | 131077 | 680.980 | 733.194 |
| 12) | L2G | AROCLOR-1260-2 | 5.982 | 2.810 | 824611 | 528558 | 724.681 | 748.238 |
| 13) | L2G | AROCLOR-1260-3 | 6.114 | 2.961 | 872394 | 608973 | 649.431 | 833.778 |
| 14) | L2G | AROCLOR-1260-4 | 6.448 | 3.232 | 336252 | 707932 | 643.245 | 844.131 |
| 15) | L2G | AROCLOR-1260-5 | 6.683 | 3.430 | 848989 | 382086 | 632.103 | 769.924 |
| 16) | L2G | AROCLOR-1260-6 | 7.504 | 4.079 | 686737 | 589670 | 606.232 | 749.632 |
| 17) | L2G | AROCLOR-1260-7 | 7.727 | 4.480 | 1752773 | 1297695 | 625.267 | 756.410 |
| 18) | L2G | AROCLOR-1260-8 | 8.513 | 4.955 | 799881 | 1035456 | 626.862 | 779.337 |
| 19) | L2G | AROCLOR-1260-9 | 9.307 | 5.834 | 447951 | 392127 | 631.399m | 783.052 |
| 20) | L2G | AROCLOR-1260-TOT | 0.000 | 0.000 | 7073253 | 5673574 | 634.966m | 757.399m |
| | | Sum AROCLOR-1260 | | | 7073253 | 5673574 | 5820.201 | 6997.695 |
| | | Average AROCLOR-1260 | | | | | 646.689 | 777.522 |

040022

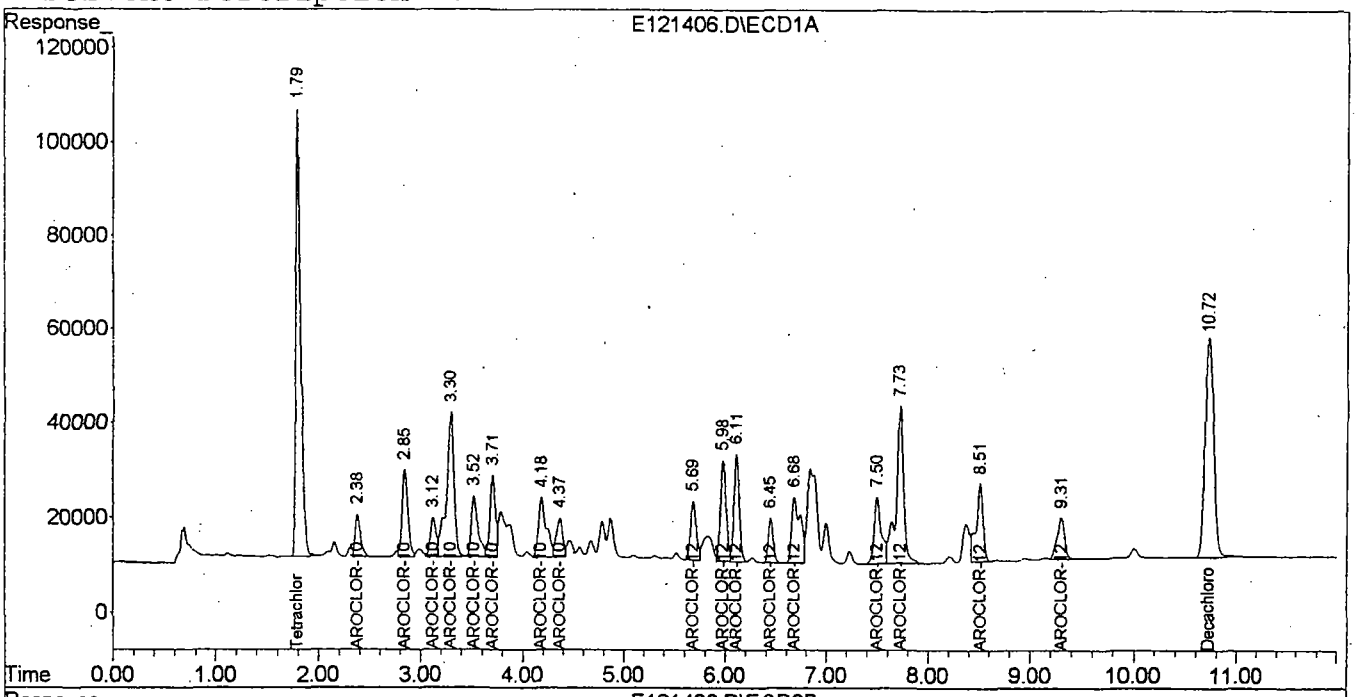
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

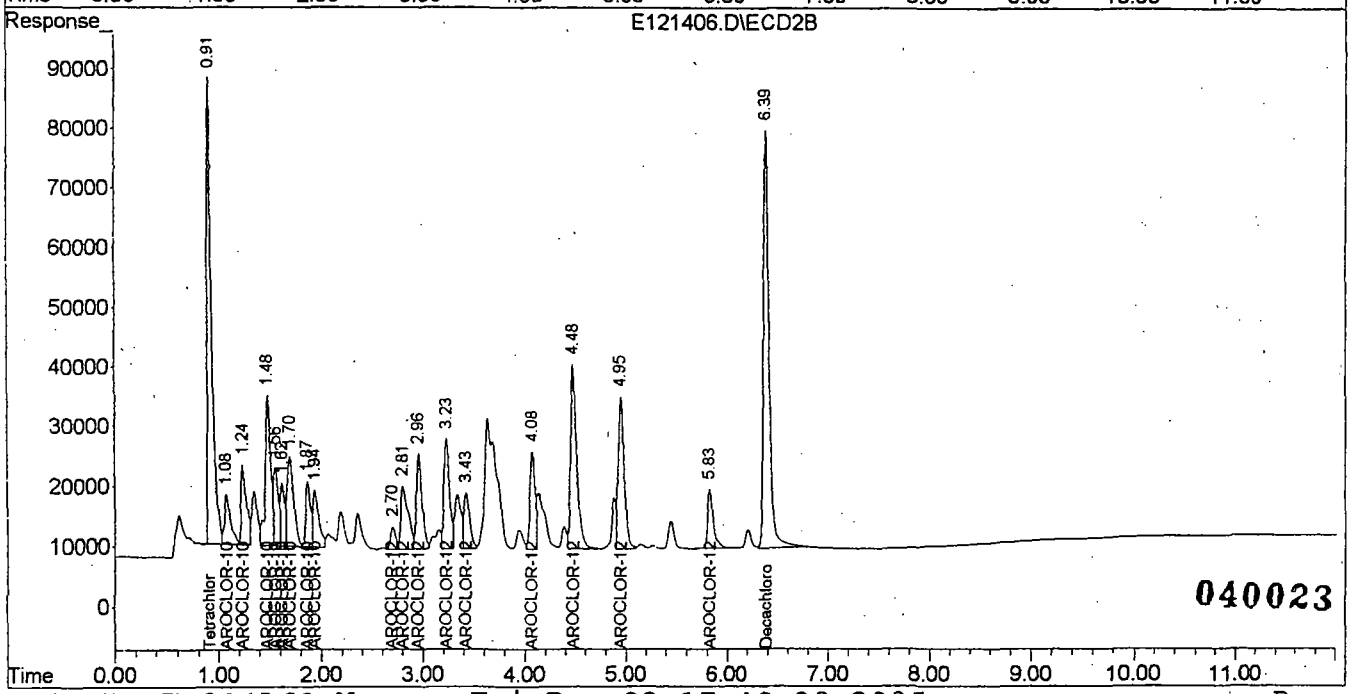
Quantitation Report (QT Reviewed)

Signal #1 : U:\DATAE\E121406\E121406.D\ECD1A.CH Vial: 6
Signal #2 : U:\DATAE\E121406\E121406.D\ECD2B.CH
Acq On : 14 Dec 2006 2:49 pm Operator:
Sample : 576-22-AR1660-4 Inst : HP5890
Misc : Multiplr: 1.00
IntFile Signal #1: PCB1A.E IntFile Signal #2: PCB2B.E
Quant Time: Dec 22 17:23 2006 Quant Results File: E1214A60.RES

Quant Method : U:\DATAE\E1214A60.M (Chemstation Integrator)
Title : AROCLOR 1016/1260
Last Update : Fri Dec 22 16:59:35 2006
Response via : Multiple Level Calibration
RT via : U:\DATAE\E121406\E121405.D

Instrument Type :
Column Type :
Solvent Description :



Quantitation Report (QT Reviewed)

Signal #1 : U:\DATAE\E121406\E121407.D\ECD1A.CH Vial: 7
Signal #2 : U:\DATAE\E121406\E121407.D\ECD2B.CH
Acq On : 14 Dec 2006 3:04 pm Operator:
Sample : 576-22-AR1660-5 Inst : HP5890
Misc : Multiplr: 1.00
IntFile Signal #1: PCB1A.E IntFile Signal #2: PCB2B.E
Quant Time: Dec 22 17:48 2006 Quant Results File: E1214A60.RES

Quant Method : U:\DATAE\E1214A60.M (Chemstation Integrator)
Title : AROCLOR 1016/1260
Last Update : Fri Dec 22 16:59:35 2006
Response via : Initial Calibration
RT via : U:\DATAE\E121406\E121405.D

REVIEWED

Instrument Type :
Column Type :
Solvent Description :

| | | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | PPB | PPB |
|---|---|---|---|---|---|---|---|---|
| | | System Monitoring Compounds | | | | | | |
| 1) | S | Tetrachloro-m-xy | 1.798 | 0.916 | 5904420 | 4567190 | 273.672 | 293.498 |
| 21) | S | Decachlorobiphen | 10.730 | 6.391 | 4646978 | 4916644 | 243.178m | 268.519 |
| | | Target Compounds | | | | | | |
| 2) | L1G | AROCLOR-1016 | 2.379 | 1.082 | 626731 | 618218 | 1135.358m | 1487.350 |
| 3) | L1G | AROCLOR-1016-2 | 2.845 | 1.239 | 1301918 | 839653 | 1512.947m | 1562.264 |
| 4) | L1G | AROCLOR-1016-3 | 3.122 | 1.484 | 640237 | 1779935 | 1336.694 | 1419.682 |
| 5) | L1G | AROCLOR-1016-4 | 3.298 | 1.559 | 3042147 | 725829 | 1348.269 | 1409.528 |
| 6) | L1G | AROCLOR-1016-5 | 3.523 | 1.625 | 1089096 | 552759 | 1546.324 | 1485.015 |
| 7) | L1G | AROCLOR-1016-6 | 3.707 | 1.696 | 1239016 | 1225811 | 1620.479m | 1353.568m |
| 8) | L1G | AROCLOR-1016-7 | 4.185 | 1.870 | 1264542 | 662618 | 1351.251m | 1575.732 |
| 9) | L1G | AROCLOR-1016-8 | 4.369 | 1.943 | 726786 | 724339 | 1403.095m | 1440.540 |
| 10) | L1G | AROCLOR-1016-TOT | 0.000 | 0.000 | 9930471 | 7129162 | 1341.693m | 1400.870m |
| | Sum | AROCLOR-1016 | | | 9930471 | 7129162 | 11254.417 | 11733.679 |
| Average | | AROCLOR-1016 | | | | | 1406.802 | 1466.710 |
| 11) | L2G | AROCLOR-1260 | 5.690 | 2.705 | 964724 | 248479 | 1304.352 | 1389.895 |
| 12) | L2G | AROCLOR-1260-2 | 5.983 | 2.809 | 1528897 | 978933 | 1421.202 | 1385.800 |
| 13) | L2G | AROCLOR-1260-3 | 6.115 | 2.961 | 1612647 | 1101430 | 1200.494 | 1576.824 |
| 14) | L2G | AROCLOR-1260-4 | 6.449 | 3.231 | 649557 | 1273616 | 1242.593 | 1588.878 |
| 15) | L2G | AROCLOR-1260-5 | 6.684 | 3.429 | 1576686 | 727341 | 1173.900 | 1465.628 |
| 16) | L2G | AROCLOR-1260-6 | 7.505 | 4.079 | 1299184 | 1071040 | 1146.882 | 1361.584 |
| 17) | L2G | AROCLOR-1260-7 | 7.728 | 4.480 | 3257756 | 2422204 | 1162.141 | 1411.872 |
| 18) | L2G | AROCLOR-1260-8 | 8.515 | 4.954 | 1523752 | 1937865 | 1194.157 | 1458.535 |
| 19) | L2G | AROCLOR-1260-9 | 9.311 | 5.834 | 863612 | 748296 | 1217.285 | 1494.295 |
| 20) | L2G | AROCLOR-1260-TOT | 0.000 | 0.000 | 13276815 | 10509202 | 1191.859m | 1402.935m |
| | Sum | AROCLOR-1260 | | | 13276815 | 10509202 | 11063.005 | 13133.312 |
| Average | | AROCLOR-1260 | | | | | 1229.223 | 1459.257 |

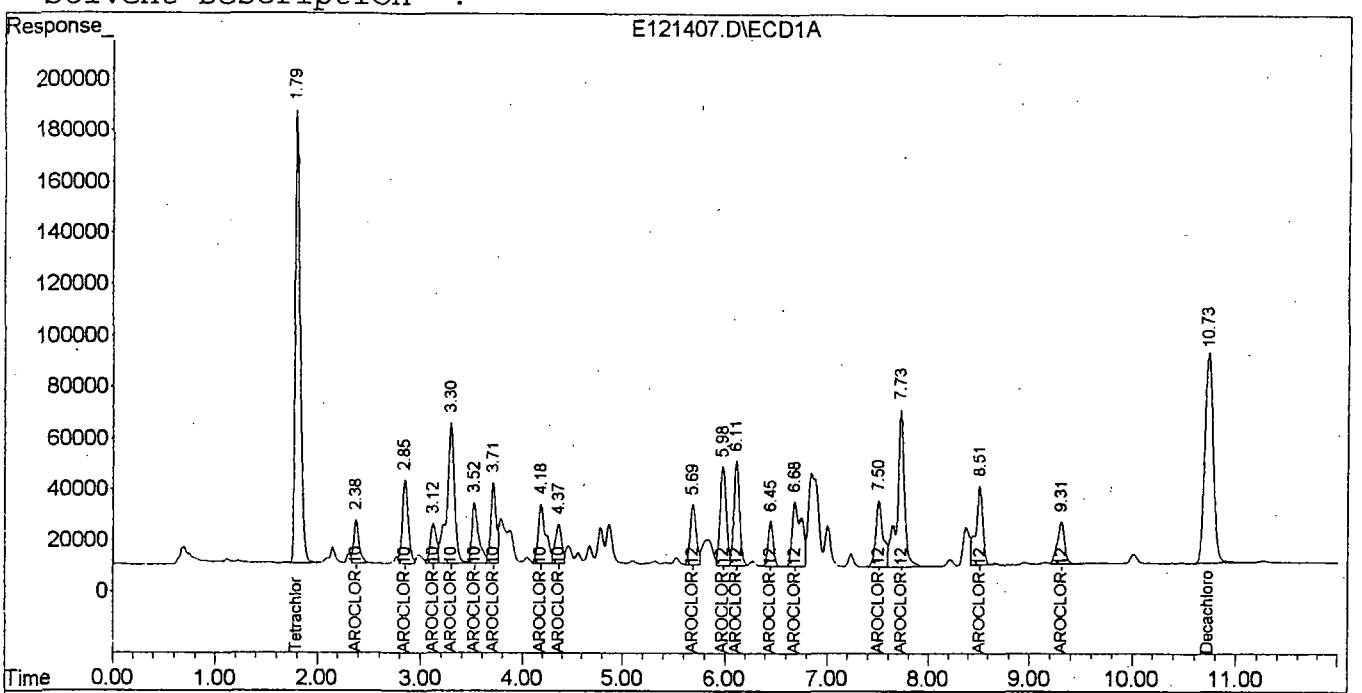
040024

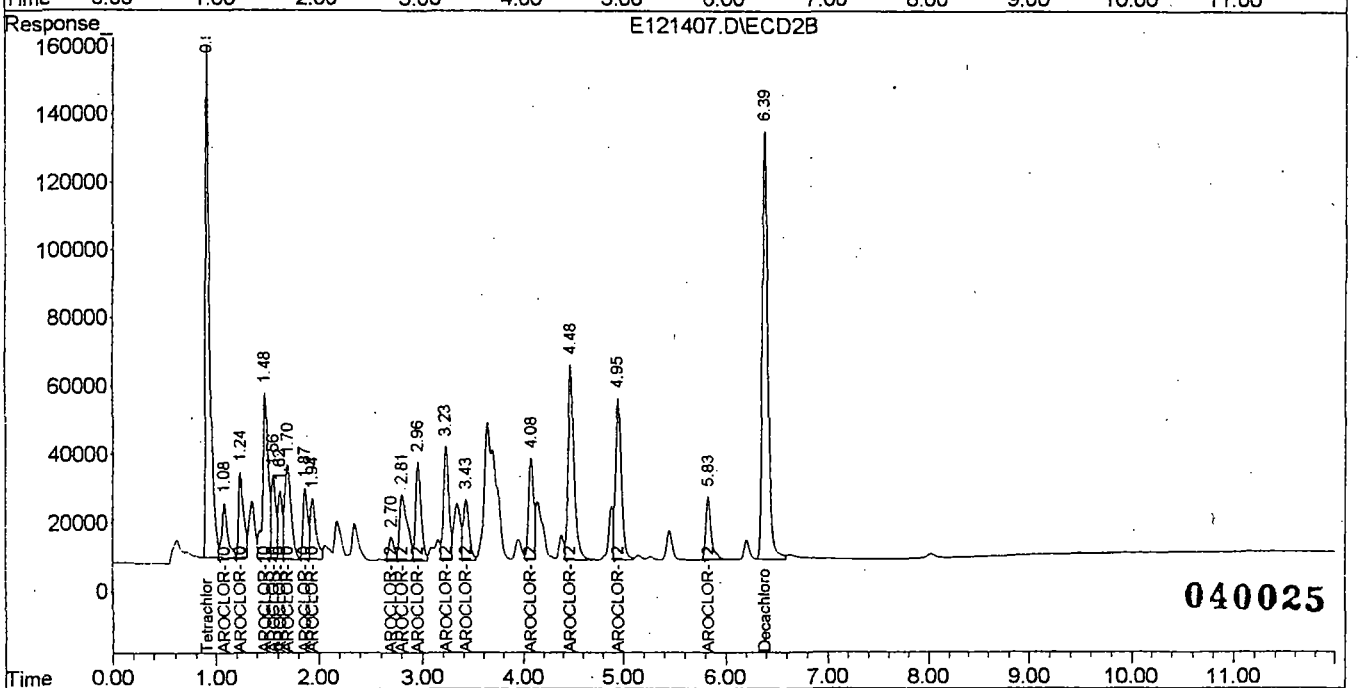
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Signal #1 : U:\DATAE\E121406\E121407.D\ECD1A.CH Vial: 7
Signal #2 : U:\DATAE\E121406\E121407.D\ECD2B.CH
Acq On : 14 Dec 2006 3:04 pm Operator:
Sample : 576-22-AR1660-5 Inst : HP5890
Misc : Multiplr: 1.00
IntFile Signal #1: PCB1A.E IntFile Signal #2: PCB2B.E
Quant Time: Dec 22 17:48 2006 Quant Results File: E1214A60.RES

Quant Method : U:\DATAE\E1214A60.M (Chemstation Integrator)
Title : AROCLOR 1016/1260
Last Update : Fri Dec 22 16:59:35 2006
Response via : Multiple Level Calibration
RT via : U:\DATAE\E121406\E121405.D

Instrument Type :
Column Type :
Solvent Description :



FORM 6-F
Response Factor Report

Method : U:\DATAE\E1214A54.M (Chemstation Integrator)
Title : AROCLOR 1221/1254
Last Update : Fri Dec 29 14:20:01 2006

Calibration Files
1 =E121408.D = =
= =

Column A

| | Compound | 1 | Avg | %RSD |
|---|---|---|---|---|
| 1) | L1G AROCLOR-1221 | 2.362 | 2.362 E2 | 0.00 |
| 2) | S Tetrachloro-m-xylene | 1.704 | 1.704 E4 | 0.00 |
| 3) | L1G AROCLOR-1221-2 | 2.832 | 2.832 E2 | 0.00 |
| 4) | L1G AROCLOR-1221-3 | 1.436 | 1.436 E2 | 0.00 |
| 5) | L1G AROCLOR-1221-4 | 7.104 | 7.104 E2 | 0.00 |
| 6) | L1G AROCLOR-1221-5 | 1.132 | 1.132 E2 | 0.00 |
| 7) | L1G AROCLOR-1221-6 | 1.944 | 1.944 E2 | 0.00 |
| 8) | L2G AROCLOR-1254 | 1.043 | 1.043 E3 | 0.00 |
| 9) | L2G AROCLOR-1254-2 | 1.338 | 1.338 E3 | 0.00 |
| 10) | L2G AROCLOR-1254-3 | 5.116 | 5.116 E2 | 0.00 |
| 11) | L2G AROCLOR-1254-4 | 4.574 | 4.574 E2 | 0.00 |
| 12) | L2G AROCLOR-1254-5 | 5.368 | 5.368 E2 | 0.00 |
| 13) | L2G AROCLOR-1254-6 | 8.201 | 8.201 E2 | 0.00 |
| 14) | L2G AROCLOR-1254-7 | 1.970 | 1.970 E3 | 0.00 |
| 15) | L2G AROCLOR-1254-8 | 1.138 | 1.138 E3 | 0.00 |
| 16) | L2G AROCLOR-1254-9 | 7.045 | 7.045 E2 | 0.00 |
| 17) | L2G AROCLOR-1254-10 | 1.042 | 1.042 E3 | 0.00 |
| 18) | S Decachlorobiphenyl | 1.442 | 1.442 E4 | 0.00 |
| | | | Total Average %RSD | 0.00 |

040026

(#) = Out of Range

FORM 6-F
Response Factor Report

Method : U:\DATAE\E1214A54.M (Chemstation Integrator)
Title : AROCLOR 1221/1254
Last Update : Fri Dec 29 14:20:01 2006

Calibration Files
1 =E121408.D = ( =
= =

Column B

| | Compound | 1 | Avg | %RSD |
|---|---|---|---|---|
| 1) | L1G AROCLOR-1221 | 1.116 | 1.116 E2 | 0.00 |
| 2) | S Tetrachloro-m-xylene# | 1.139 | 1.139 E4 | 0.00 |
| 3) | L1G AROCLOR-1221-2 | 1.137 | 1.137 E2 | 0.00 |
| 4) | L1G AROCLOR-1221-3 | 6.500 | 6.500 E2 | 0.00 |
| 5) | L1G AROCLOR-1221-4 | 2.941 | 2.941 E1 | 0.00 |
| 6) | L1G AROCLOR-1221-5 | 9.061 | 9.061 E1 | 0.00 |
| 7) | L1G AROCLOR-1221-6 | 3.694 | 3.694 E1 | 0.00 |
| 8) | L2G AROCLOR-1254 | 1.074 | 1.074 E3 | 0.00 |
| 9) | L2G AROCLOR-1254-2 | 1.574 | 1.574 E3 | 0.00 |
| 10) | L2G AROCLOR-1254-3 | 3.390 | 3.390 E2 | 0.00 |
| 11) | L2G AROCLOR-1254-4 | 7.415 | 7.415 E2 | 0.00 |
| 12) | L2G AROCLOR-1254-5 | 1.298 | 1.298 E3 | 0.00 |
| 13) | L2G AROCLOR-1254-6 | 5.962 | 5.962 E2 | 0.00 |
| 14) | L2G AROCLOR-1254-7 | 8.993 | 8.993 E2 | 0.00 |
| 15) | L2G AROCLOR-1254-8 | 5.279 | 5.279 E2 | 0.00 |
| 16) | L2G AROCLOR-1254-9 | 3.119 | 3.119 E2 | 0.00 |
| 17) | L2G AROCLOR-1254-10 | 1.125 | 1.125 E3 | 0.00 |
| 18) | S Decachlorobiphenyl | 1.729 | 1.729 E4 | 0.00 |
| | | | Total Average %RSD | 0.00 |

040027

(#) = Out of Range

Compound List Report HP5890

Method : U:\DATAE\E1214A54.M (Chemstation Integrator)
Title : AROCLOR 1221/1254
Last Update : Fri Dec 29 14:20:01 2006
Response via : Initial Calibration
Total Cpnds : 37

| PK# | Type | Compound Name | Exp_RT | Rel_RT | Cal | A/H | ID |
|---|---|---|---|---|---|---|---|
| 1 | L1G | AROCLOR-1221 | 1.56 | 1.000 | A | A | B |
| 2 | S | Tetrachloro-m-xylene | 1.79 | 1.000 | A | A | B |
| 3 | L1G | AROCLOR-1221-2 | 2.16 | 1.000 | A | A | R |
| 4 | L1G | AROCLOR-1221-3 | 2.31 | 1.000 | A | A | R |
| 5 | L1G | AROCLOR-1221-4 | 2.38 | 1.000 | A | A | R |
| 6 | L1G | AROCLOR-1221-5 | 2.74 | 1.000 | A | A | R |
| 7 | L1G | AROCLOR-1221-6 | 2.84 | 1.000 | A | A | R |
| 8 | L2G | AROCLOR-1254 | 4.78 | 1.000 | A | A | R |
| 9 | L2G | AROCLOR-1254-2 | 4.87 | 1.000 | A | A | R |
| 10 | L2G | AROCLOR-1254-3 | 4.99 | 1.000 | A | A | R |
| 11 | L2G | AROCLOR-1254-4 | 5.31 | 1.000 | A | A | R |
| 12 | L2G | AROCLOR-1254-5 | 5.43 | 1.000 | A | A | R |
| 13 | L2G | AROCLOR-1254-6 | 5.53 | 1.000 | A | A | R |
| 14 | L2G | AROCLOR-1254-7 | 5.70 | 1.000 | A | A | R |
| 15 | L2G | AROCLOR-1254-8 | 5.89 | 1.000 | A | A | R |
| 16 | L2G | AROCLOR-1254-9 | 6.11 | 1.000 | A | A | R |
| 17 | L2G | AROCLOR-1254-10 | 6.84 | 1.000 | A | A | R |
| 18 | S | Decachlorobiphenyl | 10.73 | 1.000 | A | A | R |
| 19 | T | Signal #2 | 12.28 | 1.000 | A | A | R |
| 20 | L1G | AROCLOR-1221 #2 | 0.81 | 1.000 | A | A | R |
| 21 | S | Tetrachloro-m-xylene#2 | 0.92 | 1.000 | A | A | B |
| 22 | L1G | AROCLOR-1221-2 #2 | 1.01 | 1.000 | A | A | R |
| 23 | L1G | AROCLOR-1221-3 #2 | 1.08 | 1.000 | A | A | R |
| 24 | L1G | AROCLOR-1221-4 #2 | 1.24 | 1.000 | A | A | R |
| 25 | L1G | AROCLOR-1221-5 #2 | 1.49 | 1.000 | A | A | R |
| 26 | L1G | AROCLOR-1221-6 #2 | 1.56 | 1.000 | A | A | R |
| 27 | L2G | AROCLOR-1254 #2 | 2.19 | 1.000 | A | A | R |
| 28 | L2G | AROCLOR-1254-2 #2 | 2.36 | 1.000 | A | A | R |
| 29 | L2G | AROCLOR-1254-3 #2 | 2.61 | 1.000 | A | A | R |
| 30 | L2G | AROCLOR-1254-4 #2 | 2.70 | 1.000 | A | A | R |
| 31 | L2G | AROCLOR-1254-5 #2 | 2.81 | 1.000 | A | A | R |
| 32 | L2G | AROCLOR-1254-6 #2 | 2.96 | 1.000 | A | A | R |
| 33 | L2G | AROCLOR-1254-7 #2 | 3.10 | 1.000 | A | A | R |
| 34 | L2G | AROCLOR-1254-8 #2 | 3.23 | 1.000 | A | A | R |
| 35 | L2G | AROCLOR-1254-9 #2 | 3.36 | 1.000 | A | A | R |
| 36 | L2G | AROCLOR-1254-10 #2 | 3.64 | 1.000 | A | A | R |
| 37 | S | Decachlorobiphenyl #2 | 6.39 | 1.000 | A | A | R |

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

E1214A54.M Fri Dec 29 14:20:13 2006

040028

Concentration Report for E1214A54.M

Method : U:\DATAE\E1214A54.M (Chemstation Integrator)
Title : AROCLOR 1221/1254

COLUMN A Calibration Levels

| | compound name | 1 |
|---|---|---|
| 1 | AROCLOR-1221 | 100.0 |
| 2 | Tetrachloro-m-x | 20.000 |
| 3 | AROCLOR-1221-2 | 100.0 |
| 4 | AROCLOR-1221-3 | 100.0 |
| 5 | AROCLOR-1221-4 | 100.0 |
| 6 | AROCLOR-1221-5 | 100.0 |
| 7 | AROCLOR-1221-6 | 100.0 |
| 8 | AROCLOR-1254 | 100.0 |
| 9 | AROCLOR-1254-2 | 100.0 |
| 10 | AROCLOR-1254-3 | 100.0 |
| 11 | AROCLOR-1254-4 | 100.0 |
| 12 | AROCLOR-1254-5 | 100.0 |
| 13 | AROCLOR-1254-6 | 100.0 |
| 14 | AROCLOR-1254-7 | 100.0 |
| 15 | AROCLOR-1254-8 | 100.0 |
| 16 | AROCLOR-1254-9 | 100.0 |
| 17 | AROCLOR-1254-10 | 100.0 |
| 18 | Decachlorobiphe | 20.000 |

Concentration Report for E1214A54.M

Method : U:\DATAE\E1214A54.M (Chemstation Integrator)
Title : AROCLOR 1221/1254

COLUMN B Calibration Levels

| | compound name | 1 |
|---|---|---|
| 1 | AROCLOR-1221 | 100.0 |
| 21 | Tetrachloro-m-x | 20.000 |
| 22 | AROCLOR-1221-2 | 100.0 |
| 23 | AROCLOR-1221-3 | 100.0 |
| 24 | AROCLOR-1221-4 | 100.0 |
| 25 | AROCLOR-1221-5 | 100.0 |
| 26 | AROCLOR-1221-6 | 100.0 |
| 27 | AROCLOR-1254 | 100.0 |
| 28 | AROCLOR-1254-2 | 100.0 |
| 29 | AROCLOR-1254-3 | 100.0 |
| 30 | AROCLOR-1254-4 | 100.0 |
| 31 | AROCLOR-1254-5 | 100.0 |
| 32 | AROCLOR-1254-6 | 100.0 |
| 33 | AROCLOR-1254-7 | 100.0 |
| 34 | AROCLOR-1254-8 | 100.0 |
| 35 | AROCLOR-1254-9 | 100.0 |
| 36 | AROCLOR-1254-10 | 100.0 |
| 37 | Decachlorobiphe | 20.000 |

Quantitation Report (QT Reviewed)

Signal #1 : U:\DATAE\E121406\E121408.D\ECD1A.CH Vial: 8
Signal #2 : U:\DATAE\E121406\E121408.D\ECD2B.CH
Acq On : 14 Dec 2006 3:19 pm Operator:
Sample : 576-30-AR2154-1 Inst : HP5890
Misc : Multiplr: 1.00
IntFile Signal #1: PCB1A.E IntFile Signal #2: PCB2A.E
Quant Time: Dec 29 14:14 2006 Quant Results File: E1214A54.RES

Quant Method : U:\DATAE\E1214A54.M (Chemstation Integrator)
Title : AROCLOR 1221/1254
Last Update : Fri Dec 29 14:09:45 2006
Response via : Initial Calibration
RT via : U:\DATAE\E121406\E121408.D

Instrument Type :
Column Type :
Solvent Description :

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | PPB | PPB |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 2) | S Tetrachloro-m-xy | 1.795 | 0.916 | 340859 | 227716 | 20.011m | 20.000 |
| 18) | S Decachlorobiphen | 10.732 | 6.392 | 288333 | 345736 | 20.210m | 19.942m |
| | Target Compounds | | | | | | |
| 1) | L1G AROCLOR-1221 | 1.563 | 0.813 | 23617 | 11160 | 100.210m | 100.000 |
| | Sum AROCLOR-1221 | | | 23617 | 11160 | 100.210 | 100.000 |
| Average | AROCLOR-1221 | | | | | 100.210 | 100.000 |
| 3) | L1G AROCLOR-1221-2 | 2.155 | 1.006 | 28319 | 11367 | 100.000 | 99.983m |
| 4) | L1G AROCLOR-1221-3 | 2.311 | 1.083 | 14363 | 65003 | 100.000 | 100.000 |
| 5) | L1G AROCLOR-1221-4 | 2.382 | 1.242 | 71041 | 2941 | 100.000 | 100.000 |
| 6) | L1G AROCLOR-1221-5 | 2.744 | 1.486 | 11315 | 9061 | 100.000 | 100.000 |
| 7) | L1G AROCLOR-1221-6 | 2.845 | 1.558 | 19445 | 3694 | 100.000 | 100.000 |
| | Sum AROCLOR-1221-2 | | | 144484 | 92065 | 500.000 | 499.983 |
| Average | AROCLOR-1221-2 | | | | | 100.000 | 99.997 |
| 8) | L2G AROCLOR-1254 | 4.785 | 2.193 | 104336 | 107385 | 100.000 | 100.000 |
| 9) | L2G AROCLOR-1254-2 | 4.870 | 2.365 | 133819 | 157416 | 100.000 | 100.000 |
| 10) | L2G AROCLOR-1254-3 | 4.989 | 2.606 | 51161 | 33904 | 100.000 | 100.000 |
| 11) | L2G AROCLOR-1254-4 | 5.315 | 2.698 | 45737 | 74149 | 100.176m | 100.000 |
| 12) | L2G AROCLOR-1254-5 | 5.427 | 2.809 | 53675 | 129807 | 99.722m | 100.000 |
| 13) | L2G AROCLOR-1254-6 | 5.527 | 2.964 | 82012 | 59617 | 100.000 | 100.000 |
| 14) | L2G AROCLOR-1254-7 | 5.702 | 3.097 | 196988 | 89926 | 100.000 | 100.000 |
| 15) | L2G AROCLOR-1254-8 | 5.888 | 3.233 | 113775 | 52794 | 100.000 | 100.000 |
| 16) | L2G AROCLOR-1254-9 | 6.111 | 3.357 | 70454 | 31192 | 99.919m | 100.000 |
| 17) | L2G AROCLOR-1254-10 | 6.842 | 3.644 | 104178 | 112469 | 100.000 | 100.000 |
| | Sum AROCLOR-1254 | | | 956135 | 848658 | 999.817 | 1000.000 |
| Average | AROCLOR-1254 | | | | | 99.982 | 100.000 |

040031

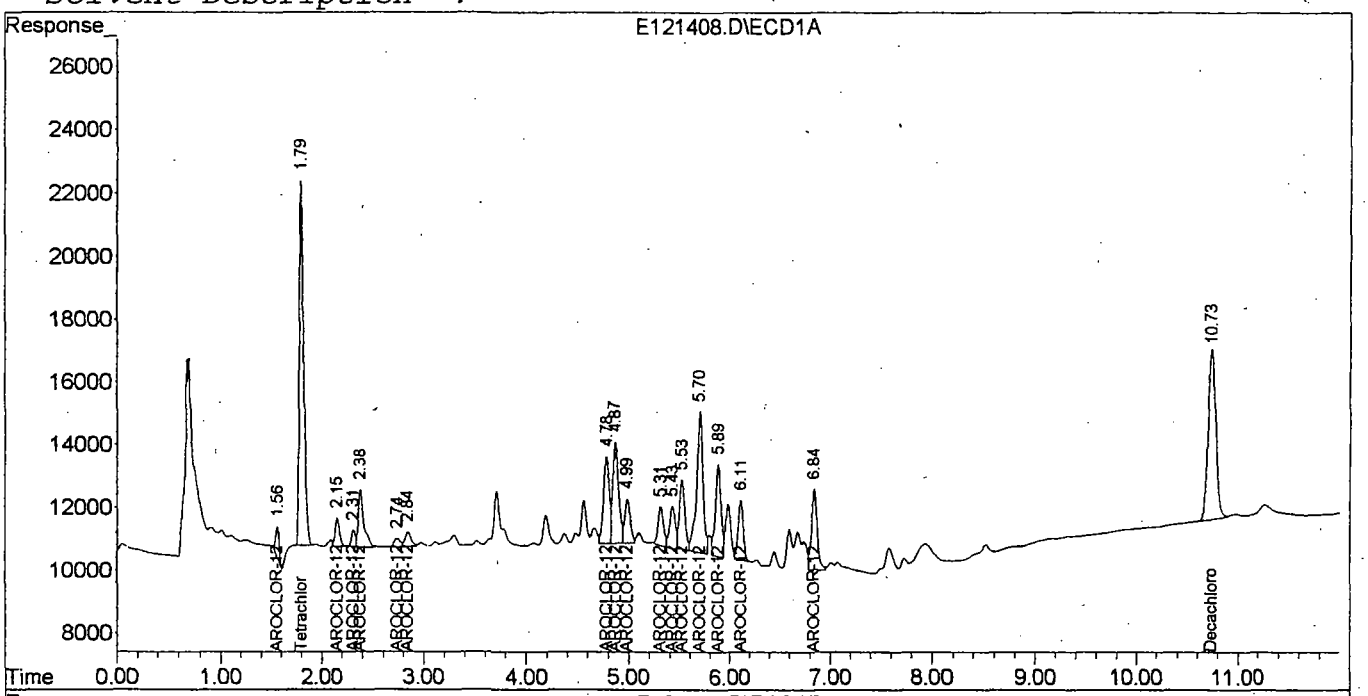
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

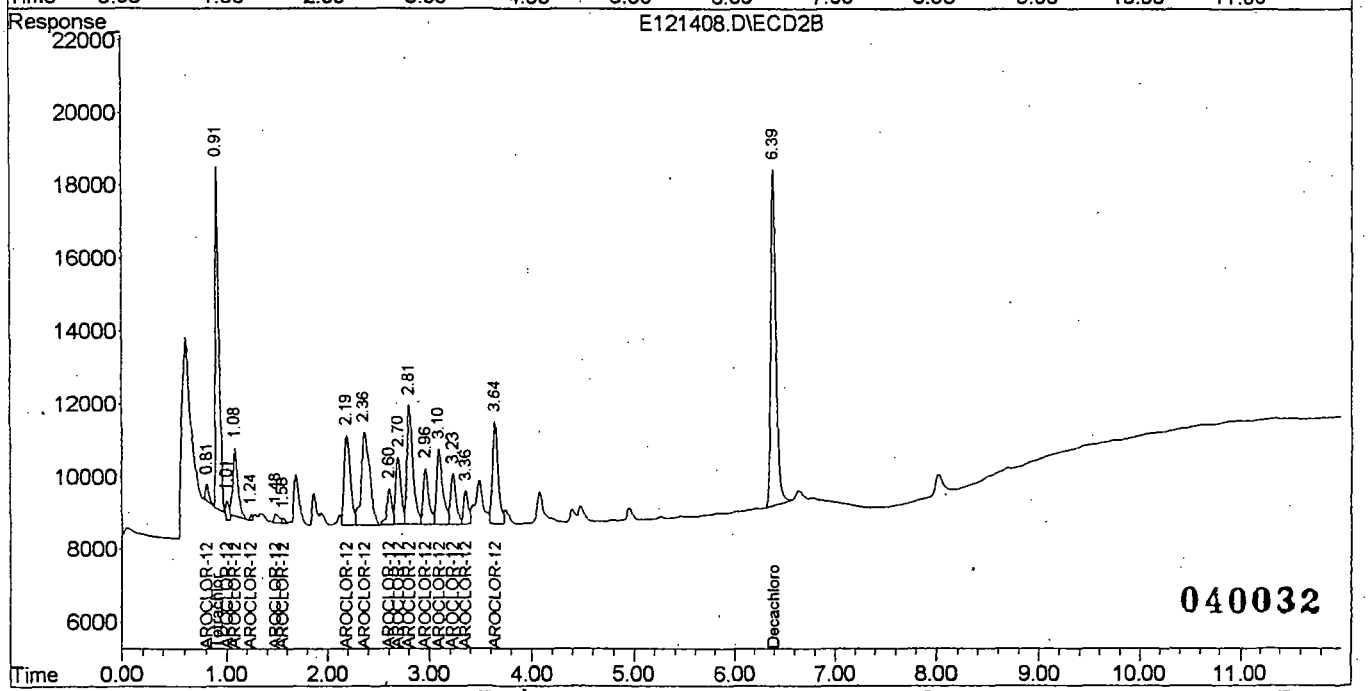
Quantitation Report (QT Reviewed)

Signal #1 : U:\DATAE\E121406\E121408.D\ECD1A.CH Vial: 8
Signal #2 : U:\DATAE\E121406\E121408.D\ECD2B.CH
Acq On : 14 Dec 2006 3:19 pm Operator:
Sample : 576-30-AR2154-1 Inst : HP5890
Misc : Multiplr: 1.00
IntFile Signal #1: PCB1A.E IntFile Signal #2: PCB2A.E
Quant Time: Dec 29 14:14 2006 Quant Results File: E1214A54.RES

Quant Method : U:\DATAE\E1214A54.M (Chemstation Integrator)
Title : AROCLOR 1221/1254
Last Update : Fri Dec 29 14:09:45 2006
Response via : Single Level Calibration
RT via : U:\DATAE\E121406\E121408.D

Instrument Type :
Column Type :
Solvent Description :



FORM 6-F
Response Factor Report

Method : U:\DATAE\E1214A32.M (Chemstation Integrator)
Title : AROCLOR 1232
Last Update : Fri Dec 29 14:49:34 2006

Calibration Files
1 =E121409.D = =
= =

Column A

| | | Compound | 1 | Avg | %RSD |
|---|---|---|---|---|---|
| 1) | S | Tetrachloro-m-xylene | 2.095 | 2.095 E4 | 0.00 |
| 2) | L1G | AROCLOR-1232 | 4.764 | 4.764 E2 | 0.00 |
| 3) | L1G | AROCLOR-1232-2 | 4.930 | 4.930 E2 | 0.00 |
| 4) | L1G | AROCLOR-1232-3 | 9.307 | 9.307 E2 | 0.00 |
| 5) | L1G | AROCLOR-1232-4 | 2.614 | 2.614 E2 | 0.00 |
| 6) | L1G | AROCLOR-1232-5 | 3.919 | 3.919 E2 | 0.00 |
| 7) | L1G | AROCLOR-1232-6 | 3.223 | 3.223 E2 | 0.00 |
| 8) | L1G | AROCLOR-1232-7 | 1.973 | 1.973 E2 | 0.00 |
| 9) | L1G | AROCLOR-1232-8 | 2.288 | 2.288 E2 | 0.00 |
| 10) | L1G | AROCLOR-1232-9 | 2.620 | 2.620 E2 | 0.00 |
| 11) | L1G | AROCLOR-1232-10 | 2.187 | 2.187 E2 | 0.00 |
| 12) | S | Decachlorobiphenyl | 1.718 | 1.718 E4 | 0.00 |
| | | | | Total Average %RSD | 0.00 |

040033

(#) = Out of Range

FORM 6-F
Response Factor Report

Method : U:\DATAE\E1214A32.M (Chemstation Integrator)
Title : AROCLOR 1232
Last Update : Fri Dec 29 14:49:34 2006

Calibration Files
1 =E121409.D = =
= =

Column B

| | | Compound | 1 | Avg | %RSD |
|---|---|---|---|---|---|
| 1) | S | Tetrachloro-m-xylene# | 1.455 | 1.455 E4 | 0.00 |
| 2) | L1G | AROCLOR-1232 | 4.195 | 4.195 E2 | 0.00 |
| 3) | L1G | AROCLOR-1232-2 | 2.742 | 2.742 E2 | 0.00 |
| 4) | L1G | AROCLOR-1232-3 | 4.682 | 4.682 E2 | 0.00 |
| 5) | L1G | AROCLOR-1232-4 | 2.119 | 2.119 E2 | 0.00 |
| 6) | L1G | AROCLOR-1232-5 | 1.394 | 1.394 E2 | 0.00 |
| 7) | L1G | AROCLOR-1232-6 | 3.947 | 3.947 E2 | 0.00 |
| 8) | L1G | AROCLOR-1232-7 | 2.884 | 2.884 E2 | 0.00 |
| 9) | L1G | AROCLOR-1232-8 | 2.426 | 2.426 E2 | 0.00 |
| 10) | L1G | AROCLOR-1232-9 | 4.035 | 4.035 E2 | 0.00 |
| 11) | L1G | AROCLOR-1232-10 | 2.689 | 2.689 E2 | 0.00 |
| 12) | S | Decachlorobiphenyl#2 | 2.048 | 2.048 E4 | 0.00 |
| | | | | Total Average %RSD | 0.00 |

040034

(#) = Out of Range

Compound List Report HP5890

Method : U:\DATAE\E1214A32.M (Chemstation Integrator)
Title : AROCLOR 1232
Last Update : Fri Dec 29 14:49:34 2006
Response via : Initial Calibration
Total Cpnds : 25

| PK# | Type | Compound Name | Exp_RT | Rel_RT | Cal | A/H | ID |
|---|---|---|---|---|---|---|---|
| 1 | S | Tetrachloro-m-xylene | 1.79 | 1.000 | A | A | B |
| 2 | L1G | AROCLOR-1232 | 2.38 | 1.000 | A | A | R |
| 3 | L1G | AROCLOR-1232-2 | 2.85 | 1.000 | A | A | R |
| 4 | L1G | AROCLOR-1232-3 | 3.30 | 1.000 | A | A | R |
| 5 | L1G | AROCLOR-1232-4 | 3.52 | 1.000 | A | A | R |
| 6 | L1G | AROCLOR-1232-5 | 3.71 | 1.000 | A | A | R |
| 7 | L1G | AROCLOR-1232-6 | 4.18 | 1.000 | A | A | R |
| 8 | L1G | AROCLOR-1232-7 | 4.37 | 1.000 | A | A | B |
| 9 | L1G | AROCLOR-1232-8 | 4.56 | 1.000 | A | A | B |
| 10 | L1G | AROCLOR-1232-9 | 4.67 | 1.000 | A | A | B |
| 11 | L1G | AROCLOR-1232-10 | 5.10 | 1.000 | A | A | B |
| 12 | S | Decachlorobiphenyl | 10.73 | 1.000 | A | A | R |
| 13 | | Signal #2 | 12.64 | 1.000 | A | A | R |
| 14 | S | Tetrachloro-m-xylene#2 | 0.92 | 1.000 | A | A | B |
| 15 | L1G | AROCLOR-1232 #2 | 1.08 | 1.000 | A | A | R |
| 16 | L1G | AROCLOR-1232-2 #2 | 1.24 | 1.000 | A | A | R |
| 17 | L1G | AROCLOR-1232-3 #2 | 1.49 | 1.000 | A | A | R |
| 18 | L1G | AROCLOR-1232-4 #2 | 1.56 | 1.000 | A | A | R |
| 19 | L1G | AROCLOR-1232-5 #2 | 1.62 | 1.000 | A | A | R |
| 20 | L1G | AROCLOR-1232-6 #2 | 1.70 | 1.000 | A | A | R |
| 21 | L1G | AROCLOR-1232-7 #2 | 1.87 | 1.000 | A | A | B |
| 22 | L1G | AROCLOR-1232-8 #2 | 1.94 | 1.000 | A | A | B |
| 23 | L1G | AROCLOR-1232-9 #2 | 2.21 | 1.000 | A | A | B |
| 24 | L1G | AROCLOR-1232-10 #2 | 2.42 | 1.000 | A | A | B |
| 25 | S | Decachlorobiphenyl#2 | 6.39 | 1.000 | A | A | R |

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

E1214A32.M Fri Dec 29 14:49:42 2006

040035

Concentration Report for E1214A32.M

Method : U:\DATAE\E1214A32.M (Chemstation Integrator)
Title : AROCLOR 1232

COLUMN A Calibration Levels

| | compound name | 1 |
|---|---|---|
| 1 | Tetrachloro-m-x | 20.000 |
| 2 | AROCLOR-1232 | 100.0 |
| 3 | AROCLOR-1232-2 | 100.0 |
| 4 | AROCLOR-1232-3 | 100.0 |
| 5 | AROCLOR-1232-4 | 100.0 |
| 6 | AROCLOR-1232-5 | 100.0 |
| 7 | AROCLOR-1232-6 | 100.0 |
| 8 | AROCLOR-1232-7 | 100.0 |
| 9 | AROCLOR-1232-8 | 100.0 |
| 10 | AROCLOR-1232-9 | 100.0 |
| 11 | AROCLOR-1232-10 | 100.0 |
| 12 | Decachlorobiphe | 20.000 |

Concentration Report for E1214A32.M

Method : U:\DATAE\E1214A32.M (Chemstation Integrator)
Title : AROCLOR 1232

COLUMN B Calibration Levels

| | compound name | 1 |
|---|---|---|
| 14 | Tetrachloro-m-x | 20.000 |
| 15 | AROCLOR-1232 | 100.0 |
| 16 | AROCLOR-1232-2 | 100.0 |
| 17 | AROCLOR-1232-3 | 100.0 |
| 18 | AROCLOR-1232-4 | 100.0 |
| 19 | AROCLOR-1232-5 | 100.0 |
| 20 | AROCLOR-1232-6 | 100.0 |
| 21 | AROCLOR-1232-7 | 100.0 |
| 22 | AROCLOR-1232-8 | 100.0 |
| 23 | AROCLOR-1232-9 | 100.0 |
| 24 | AROCLOR-1232-10 | 100.0 |
| 25 | Decachlorobiphe | 20.000 |

Quantitation Report (QT Reviewed)

Signal #1 : U:\DATAE\E121406\E121409.D\ECD1A.CH Vial: 9
Signal #2 : U:\DATAE\E121406\E121409.D\ECD2B.CH
Acq On : 14 Dec 2006 3:34 pm Operator:
Sample : 576-16-AR1232-1 Inst : HP5890
Misc : Multiplr: 1.00
IntFile Signal #1: PCB1A.E IntFile Signal #2: PCB2A.E
Quant Time: Dec 29 14:37 2006 Quant Results File: E1214A32.RES

Quant Method : U:\DATAE\E1214A32.M (Chemstation Integrator)
Title : AROCLOR 1232
Last Update : Fri Dec 29 14:35:51 2006
Response via : Initial Calibration
RT via : U:\DATAE\E121406\E121409.D

Instrument Type :
Column Type :
Solvent Description :

| | | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | PPB | PPB |
|---|---|---|---|---|---|---|---|---|
| | | System Monitoring Compounds | | | | | | |
| 1) | S | Tetrachloro-m-xy | 1.794 | 0.916 | 418909 | 290917 | 20.031m | 20.000 |
| 12) | S | Decachlorobiphen | 10.726 | 6.390 | 343503 | 409629 | 20.131m | 19.966m |
| | | Target Compounds | | | | | | |
| 2) | L1G | AROCLOR-1232 | 2.380 | 1.082 | 47644 | 41954 | 100.331m | 100.000 |
| 3) | L1G | AROCLOR-1232-2 | 2.849 | 1.240 | 49302 | 27425 | 100.000 | 100.000 |
| 4) | L1G | AROCLOR-1232-3 | 3.298 | 1.485 | 93073 | 46819 | 100.000 | 100.000 |
| 5) | L1G | AROCLOR-1232-4 | 3.523 | 1.560 | 26141 | 21191 | 100.000 | 100.000 |
| 6) | L1G | AROCLOR-1232-5 | 3.708 | 1.625 | 39194 | 13935 | 100.333m | 100.000 |
| 7) | L1G | AROCLOR-1232-6 | 4.184 | 1.698 | 32233 | 39473 | 99.823m | 100.000 |
| 8) | L1G | AROCLOR-1232-7 | 4.369 | 1.869 | 19729 | 28845 | 100.000 | 100.000 |
| 9) | L1G | AROCLOR-1232-8 | 4.564 | 1.942 | 22884 | 24261 | 100.000 | 100.000 |
| 10) | L1G | AROCLOR-1232-9 | 4.668 | 2.214 | 26203 | 40346 | 100.000 | 100.000 |
| 11) | L1G | AROCLOR-1232-10 | 5.100 | 2.421 | 21865 | 26886 | 100.180m | 100.000 |

040038

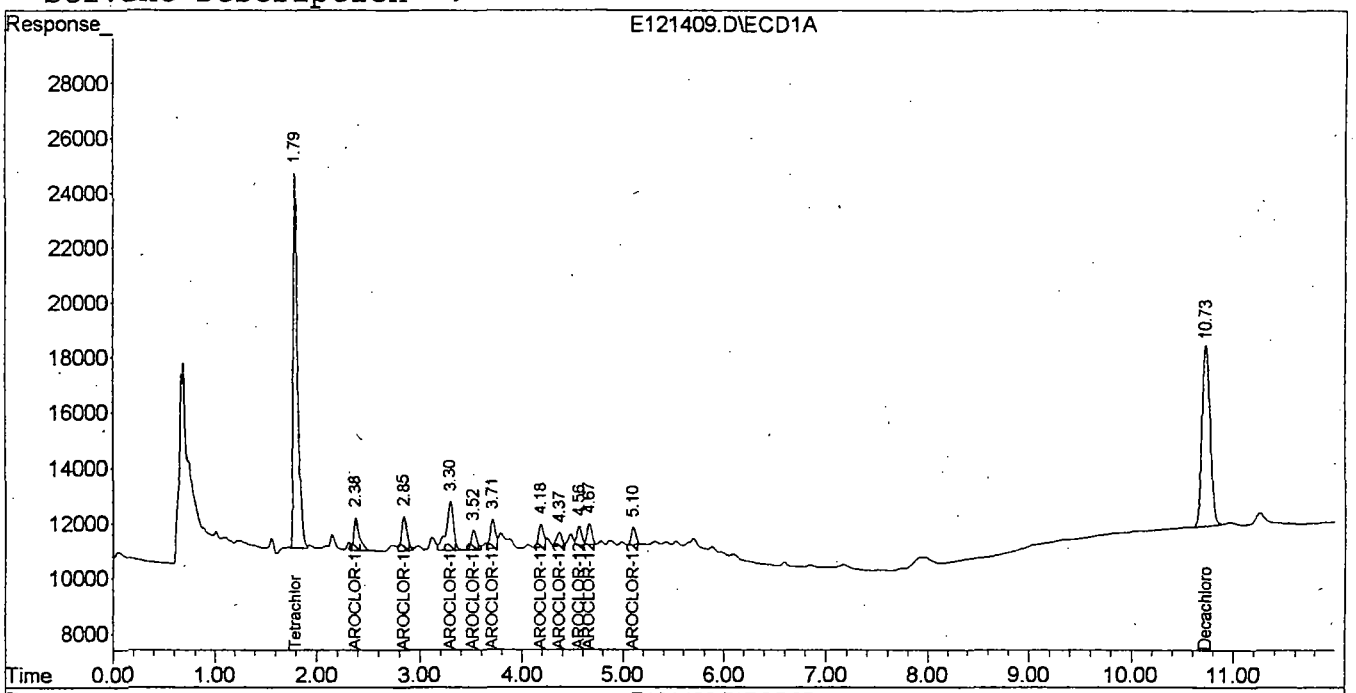
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

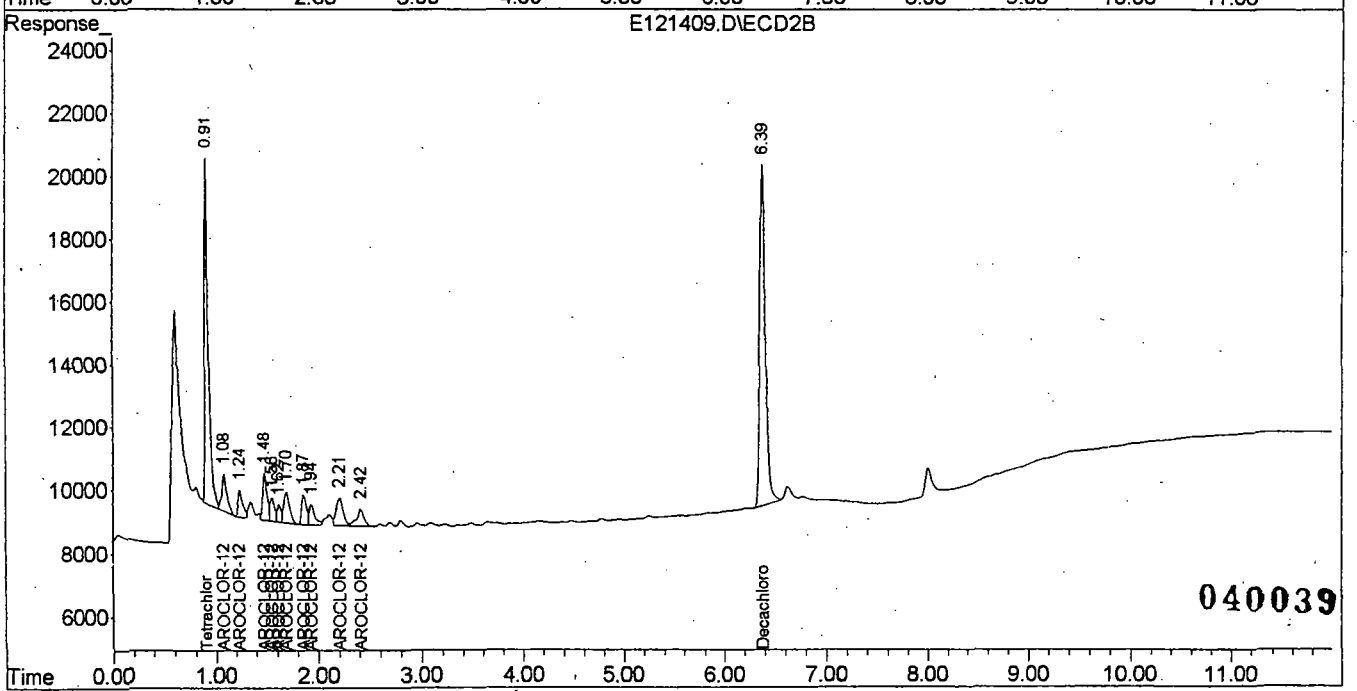
Quantitation Report (QT Reviewed)

Signal #1 : U:\DATAE\E121406\E121409.D\ECD1A.CH Vial: 9
Signal #2 : U:\DATAE\E121406\E121409.D\ECD2B.CH
Acq On : 14 Dec 2006 3:34 pm Operator:
Sample : 576-16-AR1232-1 Inst : HP5890
Misc : Multiplr: 1.00
IntFile Signal #1: PCB1A.E IntFile Signal #2: PCB2A.E
Quant Time: Dec 29 14:37 2006 Quant Results File: E1214A32.RES

Quant Method : U:\DATAE\E1214A32.M (Chemstation Integrator)
Title : AROCLOR 1232
Last Update : Fri Dec 29 14:35:51 2006
Response via : Single Level Calibration
RT via : U:\DATAE\E121406\E121409.D

Instrument Type :
Column Type :
Solvent Description :




040039

FORM 6-F
Response Factor Report

Method : U:\DATAE\E1214A42.M (Chemstation Integrator)
Title : AROCLOR 1242
Last Update : Fri Dec 29 15:03:03 2006

Calibration Files
1 =E121410.D = =
= =

Column A

| | | Compound | 1 | Avg | %RSD |
|---|---|---|---|---|---|
| 1) | S | Tetrachloro-m-xylene | 2.116 | 2.116 E4 | 0.00 |
| 2) | L1G | AROCLOR-1242 | 4.191 | 4.191 E2 | 0.00 |
| 3) | L1G | AROCLOR-1242-2 | 8.762 | 8.762 E2 | 0.00 |
| 4) | L1G | AROCLOR-1242-3 | 1.837 | 1.837 E3 | 0.00 |
| 5) | L1G | AROCLOR-1242-4 | 6.366 | 6.366 E2 | 0.00 |
| 6) | L1G | AROCLOR-1242-5 | 7.524 | 7.524 E2 | 0.00 |
| 7) | L1G | AROCLOR-1242-6 | 8.147 | 8.147 E2 | 0.00 |
| 8) | L1G | AROCLOR-1242-7 | 4.589 | 4.589 E2 | 0.00 |
| 9) | L1G | AROCLOR-1242-8 | 5.123 | 5.123 E2 | 0.00 |
| 10) | L1G | AROCLOR-1242-9 | 6.229 | 6.229 E2 | 0.00 |
| 11) | L1G | AROCLOR-1242-10 | 5.512 | 5.512 E2 | 0.00 |
| 12) | S | Decachlorobiphenyl | 1.729 | 1.729 E4 | 0.00 |
| | | | | Total Average %RSD | 0.00 |

040040

(#) = Out of Range

FORM 6-F
Response Factor Report

Method : U:\DATAE\E1214A42.M (Chemstation Integrator)
Title : AROCLOR 1242
Last Update : Fri Dec 29 15:03:03 2006

Calibration Files
1 =E121410.D = =
= =

Column B

| | | Compound | 1 | Avg | %RSD |
|---|---|---|---|---|---|
| 1) | S | Tetrachloro-m-xylene | 1.450 | 1.450 E4 | 0.00 |
| 2) | L1G | AROCLOR-1242 | 3.550 | 3.550 E2 | 0.00 |
| 3) | L1G | AROCLOR-1242-2 | 5.340 | 5.340 E2 | 0.00 |
| 4) | L1G | AROCLOR-1242-3 | 9.593 | 9.593 E2 | 0.00 |
| 5) | L1G | AROCLOR-1242-4 | 4.362 | 4.362 E2 | 0.00 |
| 6) | L1G | AROCLOR-1242-5 | 3.007 | 3.007 E2 | 0.00 |
| 7) | L1G | AROCLOR-1242-6 | 7.464 | 7.464 E2 | 0.00 |
| 8) | L1G | AROCLOR-1242-7 | 4.667 | 4.667 E2 | 0.00 |
| 9) | L1G | AROCLOR-1242-8 | 4.821 | 4.821 E2 | 0.00 |
| 10) | L1G | AROCLOR-1242-9 | 7.672 | 7.672 E2 | 0.00 |
| 11) | L1G | AROCLOR-1242-10 | 4.984 | 4.984 E2 | 0.00 |
| 12) | S | Decachlorobiphenyl | 2.074 | 2.074 E4 | 0.00 |
| | | | | Total Average %RSD | 0.00 |

040041

(#) = Out of Range

Compound List Report HP5890

Method : U:\DATAE\E1214A42.M (Chemstation Integrator)
Title : AROCLOR 1242
Last Update : Fri Dec 29 15:03:03 2006
Response via : Initial Calibration
Total Cpnds : 25

| PK# | Type | Compound Name | Exp_RT | Rel_RT | Cal | A/H | ID |
|---|---|---|---|---|---|---|---|
| 1 | S | Tetrachloro-m-xylene | 1.80 | 1.000 | A | A | B |
| 2 | L1G | AROCLOR-1242 | 2.38 | 1.000 | A | A | R |
| 3 | L1G | AROCLOR-1242-2 | 2.85 | 1.000 | A | A | R |
| 4 | L1G | AROCLOR-1242-3 | 3.30 | 1.000 | A | A | R |
| 5 | L1G | AROCLOR-1242-4 | 3.52 | 1.000 | A | A | R |
| 6 | L1G | AROCLOR-1242-5 | 3.71 | 1.000 | A | A | R |
| 7 | L1G | AROCLOR-1242-6 | 4.19 | 1.000 | A | A | R |
| 8 | L1G | AROCLOR-1242-7 | 4.37 | 1.000 | A | A | B |
| 9 | L1G | AROCLOR-1242-8 | 4.56 | 1.000 | A | A | B |
| 10 | L1G | AROCLOR-1242-9 | 4.67 | 1.000 | A | A | B |
| 11 | L1G | AROCLOR-1242-10 | 5.10 | 1.000 | A | A | B |
| 12 | S | Decachlorobiphenyl | 10.73 | 1.000 | A | A | R |
| 13 | | Signal #2 | 12.64 | 1.000 | A | A | R |
| 14 | S | Tetrachloro-m-xylene #2 | 0.91 | 1.000 | A | A | B |
| 15 | L1G | AROCLOR-1242 #2 | 1.08 | 1.000 | A | A | R |
| 16 | L1G | AROCLOR-1242-2 #2 | 1.24 | 1.000 | A | A | R |
| 17 | L1G | AROCLOR-1242-3 #2 | 1.48 | 1.000 | A | A | R |
| 18 | L1G | AROCLOR-1242-4 #2 | 1.56 | 1.000 | A | A | R |
| 19 | L1G | AROCLOR-1242-5 #2 | 1.62 | 1.000 | A | A | R |
| 20 | L1G | AROCLOR-1242-6 #2 | 1.70 | 1.000 | A | A | R |
| 21 | L1G | AROCLOR-1242-7 #2 | 1.87 | 1.000 | A | A | B |
| 22 | L1G | AROCLOR-1242-8 #2 | 1.94 | 1.000 | A | A | B |
| 23 | L1G | AROCLOR-1242-9 #2 | 2.21 | 1.000 | A | A | B |
| 24 | L1G | AROCLOR-1242-10 #2 | 2.42 | 1.000 | A | A | B |
| 25 | S | Decachlorobiphenyl #2 | 6.39 | 1.000 | A | A | R |

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

E1214A42.M Fri Dec 29 15:03:10 2006

040042

Concentration Report for E1214A42.M

Method : U:\DATAE\E1214A42.M (Chemstation Integrator)
Title : AROCLOR 1242

COLUMN A Calibration Levels

| | compound name | 1 |
|---|---|---|
| 1 | Tetrachloro-m-x | 20.000 |
| 2 | AROCLOR-1242 | 100.0 |
| 3 | AROCLOR-1242-2 | 100.0 |
| 4 | AROCLOR-1242-3 | 100.0 |
| 5 | AROCLOR-1242-4 | 100.0 |
| 6 | AROCLOR-1242-5 | 100.0 |
| 7 | AROCLOR-1242-6 | 100.0 |
| 8 | AROCLOR-1242-7 | 100.0 |
| 9 | AROCLOR-1242-8 | 100.0 |
| 10 | AROCLOR-1242-9 | 100.0 |
| 11 | AROCLOR-1242-10 | 100.0 |
| 12 | Decachlorobiphe | 20.000 |

Concentration Report for E1214A42.M

Method : U:\DATAE\E1214A42.M (Chemstation Integrator)
Title : AROCLOR 1242

COLUMN B Calibration Levels

| | compound name | 1 |
|---|---|---|
| 1 | Tetrachloro-m-x | 20.000 |
| 2 | AROCLOR-1242 | 100.0 |
| 3 | AROCLOR-1242-2 | 100.0 |
| 4 | AROCLOR-1242-3 | 100.0 |
| 5 | AROCLOR-1242-4 | 100.0 |
| 6 | AROCLOR-1242-5 | 100.0 |
| 7 | AROCLOR-1242-6 | 100.0 |
| 8 | AROCLOR-1242-7 | 100.0 |
| 9 | AROCLOR-1242-8 | 100.0 |
| 10 | AROCLOR-1242-9 | 100.0 |
| 11 | AROCLOR-1242-10 | 100.0 |
| 12 | Decachlorobiphe | 20.000 |

Quantitation Report (QT Reviewed)

Signal #1 : U:\DATAE\E121406\E121410.D\ECD1A.CH Vial: 10
Signal #2 : U:\DATAE\E121406\E121410.D\ECD2B.CH
Acq On : 14 Dec 2006 3:49 pm Operator:
Sample : 576-16-AR1242-1 Inst : HP5890
Misc : Multiplr: 1.00
IntFile Signal #1: PCB1A.E IntFile Signal #2: PCB2A.E
Quant Time: Dec 29 14:56 2006 Quant Results File: E1214A42.RES

Quant Method : U:\DATAE\E1214A42.M (Chemstation Integrator)
Title : AROCLOR 1242
Last Update : Fri Dec 29 14:54:24 2006
Response via : Initial Calibration
RT via : U:\DATAE\E121406\E121410.D

Instrument Type :
Column Type :
Solvent Description :

| | | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | PPB | PPB |
|---|---|---|---|---|---|---|---|---|
| | | System Monitoring Compounds | | | | | | |
| 1) | S | Tetrachloro-m-xy | 1.797 | 0.914 | 423138 | 289903 | 20.000 | 20.000 |
| 12) | S | Decachlorobiphen | 10.731 | 6.392 | 345817 | 414811 | 19.997m | 20.000 |
| | | Target Compounds | | | | | | |
| 2) | L1G | AROCLOR-1242 | 2.379 | 1.082 | 41907 | 35500 | 100.367m | 100.000 |
| 3) | L1G | AROCLOR-1242-2 | 2.846 | 1.239 | 87623 | 53403 | 100.283m | 100.000 |
| 4) | L1G | AROCLOR-1242-3 | 3.297 | 1.484 | 183735 | 95928 | 100.000 | 100.000 |
| 5) | L1G | AROCLOR-1242-4 | 3.522 | 1.560 | 63658 | 43621 | 100.000 | 100.000 |
| 6) | L1G | AROCLOR-1242-5 | 3.709 | 1.625 | 75238 | 30065 | 100.000 | 100.000 |
| 7) | L1G | AROCLOR-1242-6 | 4.185 | 1.698 | 81470 | 74641 | 100.000 | 100.000 |
| 8) | L1G | AROCLOR-1242-7 | 4.369 | 1.869 | 45888 | 46671 | 100.000 | 100.000 |
| 9) | L1G | AROCLOR-1242-8 | 4.563 | 1.942 | 51228 | 48208 | 100.000 | 100.000 |
| 10) | L1G | AROCLOR-1242-9 | 4.667 | 2.215 | 62287 | 76722 | 100.000 | 100.000 |
| 11) | L1G | AROCLOR-1242-10 | 5.100 | 2.420 | 55121 | 49836 | 100.000 | 100.000 |
| | | Sum AROCLOR-1242 | | | 748155 | 554597 | 1000.650 | 1000.000 |
| | | Average AROCLOR-1242 | | | | | 100.065 | 100.000 |

040045

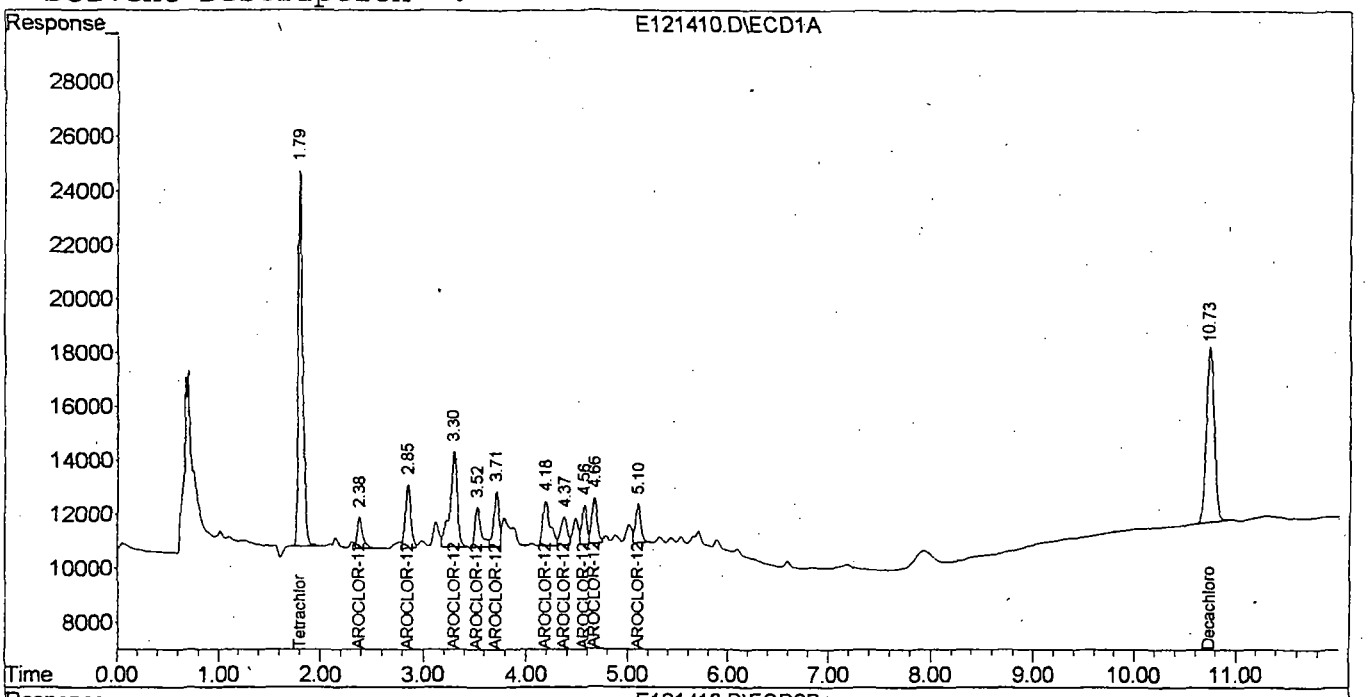
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

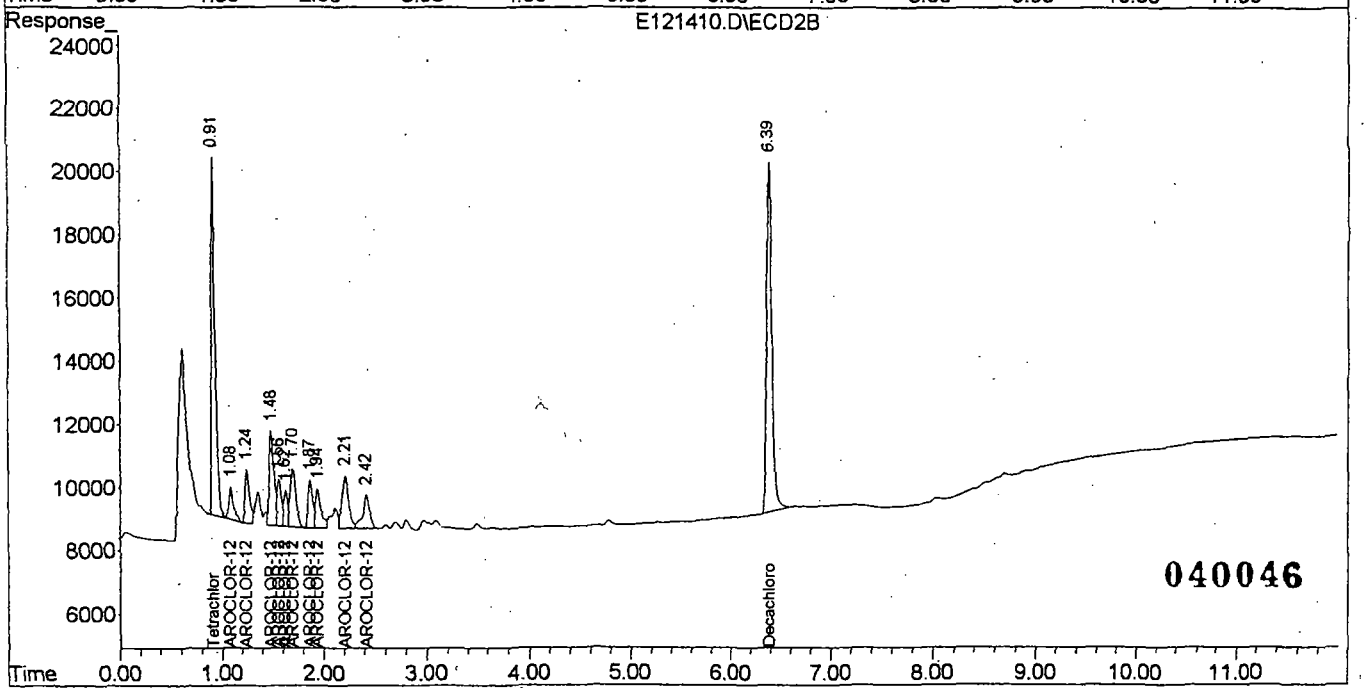
Quantitation Report (QT Reviewed)

Signal #1 : U:\DATAE\E121406\E121410.D\ECD1A.CH Vial: 10
Signal #2 : U:\DATAE\E121406\E121410.D\ECD2B.CH
Acq On : 14 Dec 2006 3:49 pm Operator:
Sample : 576-16-AR1242-1 Inst : HP5890
Misc : Multiplr: 1.00
IntFile Signal #1: PCB1A.E IntFile Signal #2: PCB2A.E
Quant Time: Dec 29 14:56 2006 Quant Results File: E1214A42.RES

Quant Method : U:\DATAE\E1214A42.M (Chemstation Integrator)
Title : AROCLOR 1242
Last Update : Fri Dec 29 14:54:24 2006
Response via : Single Level Calibration
RT via : U:\DATAE\E121406\E121410.D

Instrument Type :
Column Type :
Solvent Description :



FORM 6-F
Response Factor Report

Method : U:\DATAE\E1214A48.M (Chemstation Integrator)
Title : AROCLOR 1248
Last Update : Fri Dec 29 15:25:13 2006

Calibration Files
1 =E121411.D = =
= =

Column A

| | | Compound | 1 | Avg | %RSD |
|---|---|---|---|---|---|
| 1) | S | TCX | 2.094 | 2.094 E4 | 0.00 |
| 2) | L1G | AROCLOR-1248 | 4.109 | 4.109 E2 | 0.00 |
| 3) | L1G | AROCLOR-1248-2 | 1.070 | 1.070 E3 | 0.00 |
| 4) | L1G | AROCLOR-1248-3 | 8.821 | 8.821 E2 | 0.00 |
| 5) | L1G | AROCLOR-1248-4 | 1.177 | 1.177 E3 | 0.00 |
| 6) | L1G | AROCLOR-1248-5 | 1.172 | 1.172 E3 | 0.00 |
| 7) | L1G | AROCLOR-1248-6 | 7.842 | 7.842 E2 | 0.00 |
| 8) | L1G | AROCLOR-1248-7 | 5.676 | 5.676 E2 | 0.00 |
| 9) | L1G | AROCLOR-1248-8 | 9.399 | 9.399 E2 | 0.00 |
| 10) | L1G | AROCLOR-1248-9 | 1.011 | 1.011 E3 | 0.00 |
| 11) | L1G | AROCLOR-1248-10 | 7.618 | 7.618 E2 | 0.00 |
| 12) | S | DCB | 1.707 | 1.707 E4 | 0.00 |
| | | | | Total Average %RSD | 0.00 |

040047

(#) = Out of Range

FORM 6-F
Response Factor Report

Method : U:\DATAE\E1214A48.M (Chemstation Integrator)
Title : AROCLOR 1248
Last Update : Fri Dec 29 15:25:13 2006

Calibration Files
1 =E121411.D = =
= =

Column B

| | Compound | 1 | Avg | %RSD |
|---|---|---|---|---|
| 1) | S TCX | 1.415 | 1.415 E4 | 0.00 |
| 2) | L1G AROCLOR-1248 | 2.641 | 2.641 E2 | 0.00 |
| 3) | L1G AROCLOR-1248-2 | 6.176 | 6.176 E2 | 0.00 |
| 4) | L1G AROCLOR-1248-3 | 1.160 | 1.160 E3 | 0.00 |
| 5) | L1G AROCLOR-1248-4 | 6.894 | 6.894 E2 | 0.00 |
| 6) | L1G AROCLOR-1248-5 | 7.448 | 7.448 E2 | 0.00 |
| 7) | L1G AROCLOR-1248-6 | 4.595 | 4.595 E2 | 0.00 |
| 8) | L1G AROCLOR-1248-7 | 1.471 | 1.471 E3 | 0.00 |
| 9) | L1G AROCLOR-1248-8 | 1.081 | 1.081 E3 | 0.00 |
| 10) | L1G AROCLOR-1248-9 | 3.611 | 3.611 E2 | 0.00 |
| 11) | L1G AROCLOR-1248-10 | 1.968 | 1.968 E2 | 0.00 |
| 12) | S DCB | 2.033 | 2.033 E4 | 0.00 |
| | | | Total Average %RSD | 0.00 |

040048

(#) = Out of Range

Compound List Report HP5890

Method : U:\DATAE\E1214A48.M (Chemstation Integrator)
Title : AROCLOR 1248
Last Update : Fri Dec 29 15:25:13 2006
Response via : Initial Calibration
Total Cpnds : 25

| PK# | Type | Compound Name | Exp_RT | Rel_RT | Cal | A/H | ID |
|---|---|---|---|---|---|---|---|
| 1 | S | TCX | 1.80 | 1.000 | A | A | B |
| 2 | L1G | AROCLOR-1248 | 2.85 | 1.000 | A | A | R |
| 3 | L1G | AROCLOR-1248-2 | 3.30 | 1.000 | A | A | R |
| 4 | L1G | AROCLOR-1248-3 | 3.71 | 1.000 | A | A | R |
| 5 | L1G | AROCLOR-1248-4 | 3.79 | 1.000 | A | A | R |
| 6 | L1G | AROCLOR-1248-5 | 4.19 | 1.000 | A | A | R |
| 7 | L1G | AROCLOR-1248-6 | 4.37 | 1.000 | A | A | R |
| 8 | L1G | AROCLOR-1248-7 | 4.48 | 1.000 | A | A | B |
| 9 | L1G | AROCLOR-1248-8 | 4.56 | 1.000 | A | A | B |
| 10 | L1G | AROCLOR-1248-9 | 4.67 | 1.000 | A | A | B |
| 11 | L1G | AROCLOR-1248-10 | 5.10 | 1.000 | A | A | B |
| 12 | S | DCB | 10.73 | 1.000 | A | A | R |
| 13 | | Signal #2 | 11.64 | 1.000 | A | A | R |
| 14 | S | TCX #2 | 0.92 | 1.000 | A | A | B |
| 15 | L1G | AROCLOR-1248 #2 | 1.24 | 1.000 | A | A | R |
| 16 | L1G | AROCLOR-1248-2 #2 | 1.48 | 1.000 | A | A | R |
| 17 | L1G | AROCLOR-1248-3 #2 | 1.70 | 1.000 | A | A | R |
| 18 | L1G | AROCLOR-1248-4 #2 | 1.87 | 1.000 | A | A | R |
| 19 | L1G | AROCLOR-1248-5 #2 | 1.94 | 1.000 | A | A | R |
| 20 | L1G | AROCLOR-1248-6 #2 | 2.12 | 1.000 | A | A | R |
| 21 | L1G | AROCLOR-1248-7 #2 | 2.21 | 1.000 | A | A | B |
| 22 | L1G | AROCLOR-1248-8 #2 | 2.42 | 1.000 | A | A | B |
| 23 | L1G | AROCLOR-1248-9 #2 | 2.81 | 1.000 | A | A | B |
| 24 | L1G | AROCLOR-1248-10 #2 | 3.49 | 1.000 | A | A | B |
| 25 | S | DCB #2 | 6.39 | 1.000 | A | A | R |

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

E1214A48.M Fri Dec 29 15:25:21 2006

040049

Concentration Report for E1214A48.M

Method : U:\DATAE\E1214A48.M (Chemstation Integrator)
Title : AROCLOR 1248

COLUMN A Calibration Levels

| | compound name | 1 |
|---|---|---|
| 1 | TCX | 20.000 |
| 2 | AROCLOR-1248 | 100.0 |
| 3 | AROCLOR-1248-2 | 100.0 |
| 4 | AROCLOR-1248-3 | 100.0 |
| 5 | AROCLOR-1248-4 | 100.0 |
| 6 | AROCLOR-1248-5 | 100.0 |
| 7 | AROCLOR-1248-6 | 100.0 |
| 8 | AROCLOR-1248-7 | 100.0 |
| 9 | AROCLOR-1248-8 | 100.0 |
| 10 | AROCLOR-1248-9 | 100.0 |
| 11 | AROCLOR-1248-10 | 100.0 |
| 12 | DCB | 20.000 |

Concentration Report for E1214A48.M

Method : U:\DATAE\E1214A48.M (Chemstation Integrator)
Title : AROCLOR 1248

COLUMN B Calibration Levels

| | compound name | 1 |
|---|---|---|
| 1 | TCX | 20.000 |
| 2 | AROCLOR-1248 | 100.0 |
| 3 | AROCLOR-1248-2 | 100.0 |
| 4 | AROCLOR-1248-3 | 100.0 |
| 5 | AROCLOR-1248-4 | 100.0 |
| 6 | AROCLOR-1248-5 | 100.0 |
| 7 | AROCLOR-1248-6 | 100.0 |
| 8 | AROCLOR-1248-7 | 100.0 |
| 9 | AROCLOR-1248-8 | 100.0 |
| 10 | AROCLOR-1248-9 | 100.0 |
| 11 | AROCLOR-1248-10 | 100.0 |
| 12 | DCB | 20.000 |

Quantitation Report (QT Reviewed)

Signal #1 : U:\DATAE\E121406\E121411.D\ECD1A.CH Vial: 11
Signal #2 : U:\DATAE\E121406\E121411.D\ECD2B.CH
Acq On : 14 Dec 2006 4:04 pm Operator:
Sample : 576-16-AR1248-1 Inst : HP5890
Misc : Multiplr: 1.00
IntFile Signal #1: PCB1A.E IntFile Signal #2: PCB2A.E
Quant Time: Dec 29 15:23 2006 Quant Results File: E1214A48.RES

Quant Method : U:\DATAE\E1214A48.M (Chemstation Integrator)
Title : AROCLOR 1248
Last Update : Fri Dec 29 15:22:35 2006
Response via : Initial Calibration
RT via : U:\DATAE\E121406\E121411.D

Instrument Type :
Column Type :
Solvent Description :

| | | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | PPB | PPB |
|---|---|---|---|---|---|---|---|---|
| | | System Monitoring Compounds | | | | | | |
| 1) | S | TCX | 1.796 | 0.916 | 418787 | 282944 | 20.000 | 20.000 |
| 12) | S | DCB | 10.733 | 6.393 | 341478 | 406582 | 20.000 | 20.000 |
| | | Target Compounds | | | | | | |
| 2) | L1G | AROCLOR-1248 | 2.846 | 1.238 | 41086 | 26406 | 100.166m | 98.925m |
| 3) | L1G | AROCLOR-1248-2 | 3.296 | 1.483 | 106984 | 61758 | 100.000 | 99.896m |
| 4) | L1G | AROCLOR-1248-3 | 3.712 | 1.699 | 88214 | 116045 | 99.811m | 100.000 |
| 5) | L1G | AROCLOR-1248-4 | 3.790 | 1.870 | 117659 | 68945 | 100.000 | 100.000 |
| 6) | L1G | AROCLOR-1248-5 | 4.189 | 1.943 | 117168 | 74479 | 100.000 | 100.000 |
| 7) | L1G | AROCLOR-1248-6 | 4.371 | 2.118 | 78421 | 45947 | 100.000 | 100.000 |
| 8) | L1G | AROCLOR-1248-7 | 4.484 | 2.214 | 56758 | 147107 | 100.000 | 100.000 |
| 9) | L1G | AROCLOR-1248-8 | 4.565 | 2.420 | 93985 | 108148 | 100.000 | 100.000 |
| 10) | L1G | AROCLOR-1248-9 | 4.668 | 2.808 | 101138 | 36107 | 100.000 | 100.000 |
| 11) | L1G | AROCLOR-1248-10 | 5.103 | 3.491 | 76175 | 19678 | 100.000 | 100.311m |
| | | Sum AROCLOR-1248 | | | 877588 | 704618 | 999.977 | 999.132 |
| Average | | AROCLOR-1248 | | | | | 99.998 | 99.913 |

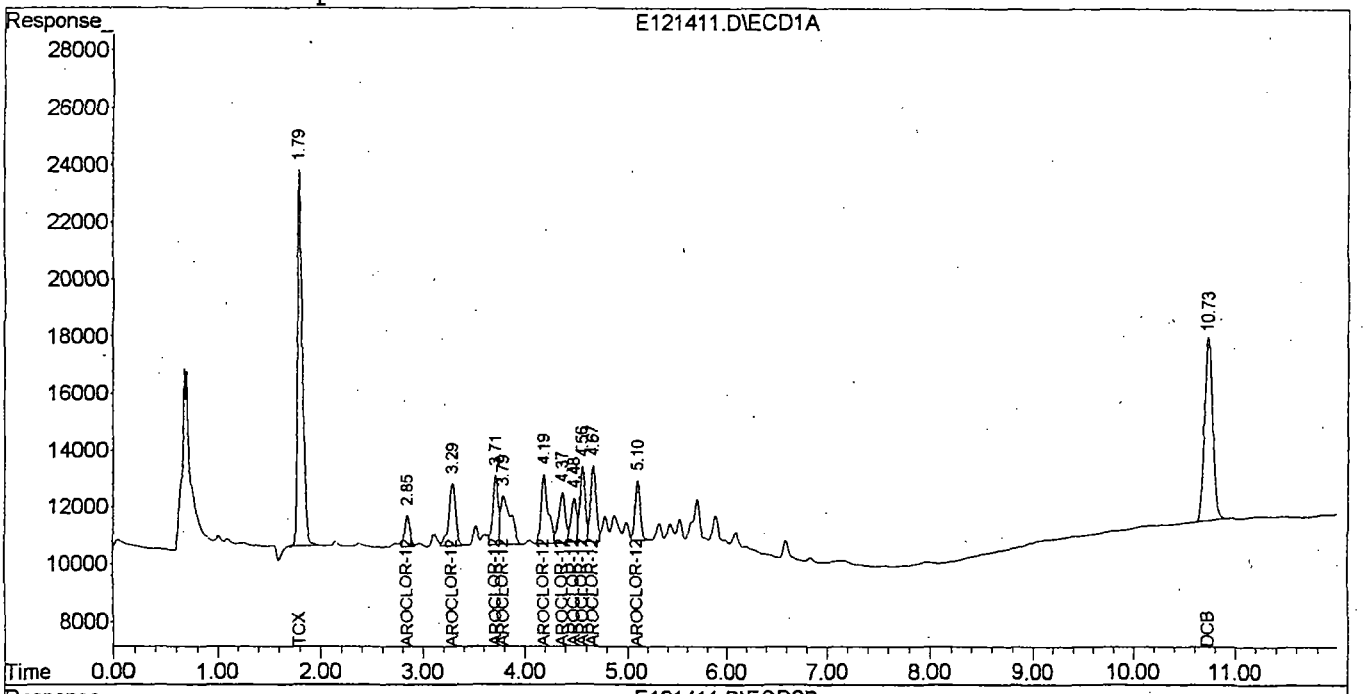
040052

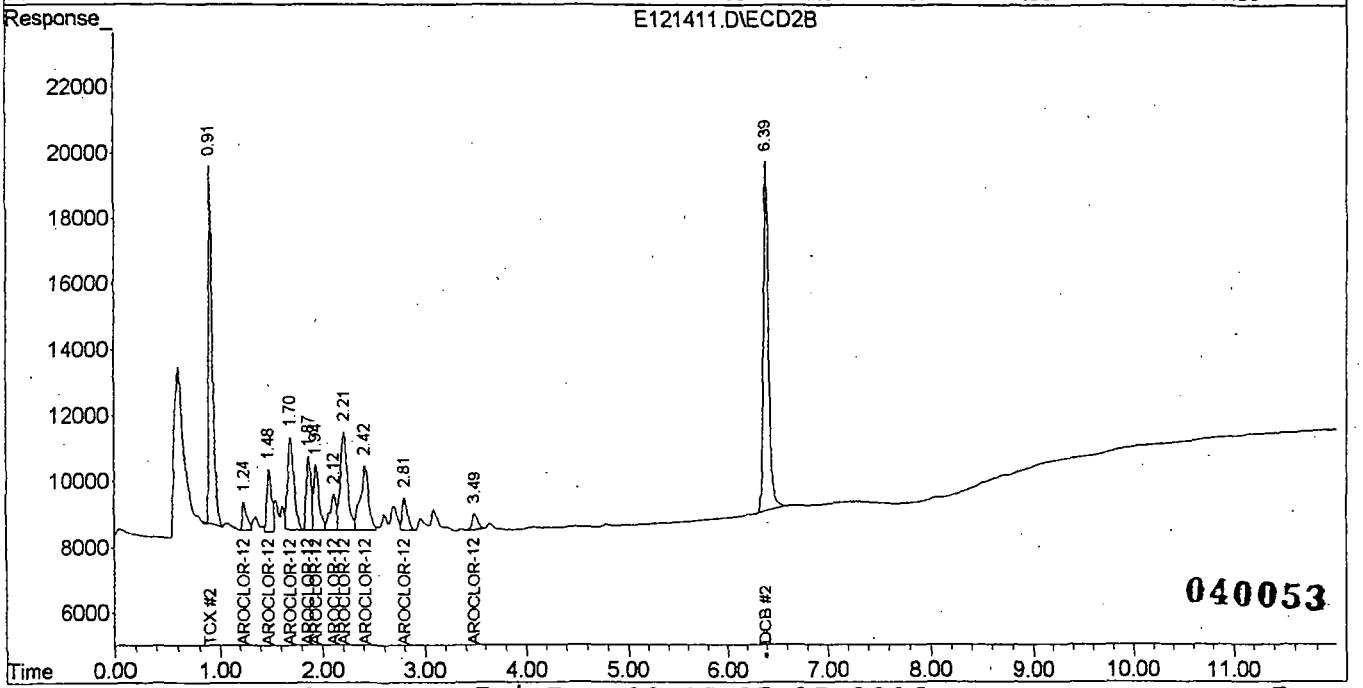
Quantitation Report (QT Reviewed)

Signal #1 : U:\DATAE\E121406\E121411.D\ECD1A.CH Vial: 11
Signal #2 : U:\DATAE\E121406\E121411.D\ECD2B.CH
Acq On : 14 Dec 2006 4:04 pm Operator:
Sample : 576-16-AR1248-1 Inst : HP5890
Misc : Multiplr: 1.00
IntFile Signal #1: PCB1A.E IntFile Signal #2: PCB2A.E
Quant Time: Dec 29 15:23 2006 Quant Results File: E1214A48.RES

Quant Method : U:\DATAE\E1214A48.M (Chemstation Integrator)
Title : AROCLOR 1248
Last Update : Fri Dec 29 15:22:35 2006
Response via : Single Level Calibration
RT via : U:\DATAE\E121406\E121411.D

Instrument Type :
Column Type :
Solvent Description :



FORM 7-E
Continuing Calibration Report

Quant Method : U:\DATAE\E1214A60.M (Chemstation Integrator)
Title : AROCLOR 1016/1260
Last Update : Fri Dec 22 17:49:50 2006
Response via : Initial Calibration
RT via : U:\DATAE\E121406\E121405.D
Continuing Calibration File: E121422.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 15% Max. Rel. Area : 150%

Column A

| | Compound | CCRT | Expected Window | | AvgRF | CCRF | | %Dev |
|---|---|---|---|---|---|---|---|---|
| 1 | S Tetrachloro-m-xylene | 1.797 | 1.769 | 1.829 | 21.315 | 22.801 | E3 | -6.97 |
| 2 | L1G AROCLOR-1016 | 2.379 | 2.351 | 2.411 | 456.265 | 487.244 | | -6.79 |
| 3 | L1G AROCLOR-1016-2 | 2.846 | 2.818 | 2.878 | 1.025 | N/A | E3 | N/A |
| | | | | | % Drift = 10.67 | | | |
| 4 | L1G AROCLOR-1016-3 | 3.122 | 3.095 | 3.155 | 459.385 | 476.020 | | -3.62 |
| 5 | L1G AROCLOR-1016-4 | 3.298 | 3.271 | 3.331 | 2.215 | 2.322 | E3 | -4.80 |
| 6 | L1G AROCLOR-1016-5 | 3.520 | 3.496 | 3.556 | 788.577 | 694.625 | | 11.91 |
| 7 | L1G AROCLOR-1016-6 | 3.709 | 3.682 | 3.742 | 0.894 | N/A | E3 | N/A |
| | | | | | % Drift = 7.88 | | | |
| 8 | L1G AROCLOR-1016-7 | 4.186 | 4.160 | 4.220 | 0.920 | N/A | E3 | N/A |
| | | | | | % Drift = 5.79 | | | |
| 9 | L1G AROCLOR-1016-8 | 4.368 | 4.342 | 4.402 | 521.026 | 524.093 | | -0.59 |
| 10 | L1G AROCLOR-1016-TOTAL | 0.000 | 0.000 | 0.030 | 7.279 | 7.423 | E3 | -1.98 |
| 11 | L2G AROCLOR-1260 | 5.689 | 5.663 | 5.723 | 642.153 | 746.675 | | -16.28# |
| 12 | L2G AROCLOR-1260-2 | 5.982 | 5.956 | 6.016 | 1.082 | 1.295 | E3 | -19.68# |
| 13 | L2G AROCLOR-1260-3 | 6.113 | 6.088 | 6.148 | 1.139 | 1.370 | E3 | -20.29# |
| 14 | L2G AROCLOR-1260-4 | 6.448 | 6.422 | 6.482 | 420.295 | 546.375 | | -30.00# |
| 15 | L2G AROCLOR-1260-5 | 6.682 | 6.657 | 6.717 | 1.070 | 1.433 | E3 | -34.02# |
| 16 | L2G AROCLOR-1260-6 | 7.504 | 7.468 | 7.548 | 857.649 | 1133.321 | | -32.14# |
| 17 | L2G AROCLOR-1260-7 | 7.726 | 7.692 | 7.772 | 2.198 | 2.771 | E3 | -26.07# |
| 18 | L2G AROCLOR-1260-8 | 8.512 | 8.479 | 8.559 | 997.222 | 1220.018 | | -22.34# |
| 19 | L2G AROCLOR-1260-9 | 9.306 | 9.273 | 9.353 | 541.468 | 637.355 | | -17.71# |
| 20 | L2G AROCLOR-1260-TOTAL | 0.000 | 0.000 | 0.040 | 8.947 | 11.153 | E3 | -24.66# |
| 21 | S Decachlorobiphenyl | 10.726 | 10.674 | 10.794 | 16.687 | 19.114 | E3 | -14.54 |

Total Average %DEV 16.36

040054

(#) = Out of Range

FORM 7-E

Continuing Calibration Report

Quant Method : U:\DATAE\E1214A60.M (Chemstation Integrator)
Title : AROCLOR 1016/1260
Last Update : Fri Dec 22 17:49:50 2006
Response via : Initial Calibration
RT via : U:\DATAE\E121406\E121405.D
Continuing Calibration File: E121422.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 15% Max. Rel. Area : 150%

Column B

| | Compound | CCRT | Expected Window | AvgRF | CCRF | | %Dev |
|---|---|---|---|---|---|---|---|
| 1 | S Tetrachloro-m-xylene | 0.915 | 0.887 | 0.947 | 15.490 | 16.576 E3 | -7.01 |
| 2 | L1G AROCLOR-1016 | 1.082 | 1.054 | 1.114 | 424.611 | 484.309 | -14.06 |
| 3 | L1G AROCLOR-1016-2 | 1.239 | 1.222 | 1.262 | 629.357 | N/A | N/A |
| | | | | % Drift = 14.24 | | | |
| 4 | L1G AROCLOR-1016-3 | 1.485 | 1.467 | 1.507 | 1.261 | 1.344 E3 | -6.53 |
| 5 | L1G AROCLOR-1016-4 | 1.559 | 1.541 | 1.581 | 519.833 | 580.375 | -11.65 |
| 6 | L1G AROCLOR-1016-5 | 1.625 | 1.606 | 1.646 | 378.452 | 418.056 | -10.46 |
| 7 | L1G AROCLOR-1016-6 | 1.698 | 1.681 | 1.721 | 899.268 | N/A | N/A |
| | | | | % Drift = 20.79# | | | |
| 8 | L1G AROCLOR-1016-7 | 1.870 | 1.842 | 1.902 | 493.468 | N/A | N/A |
| | | | | % Drift = 16.29# | | | |
| 9 | L1G AROCLOR-1016-8 | 1.943 | 1.916 | 1.976 | 505.906 | 598.173 | -18.24# |
| 10 | L1G AROCLOR-1016-TOTAL#2 | 0.000 | 0.000 | 0.030 | 5.112 | 5.672 E3 | -10.95 |
| 11 | L2G AROCLOR-1260 | 2.705 | 2.679 | 2.739 | 173.792 | 227.425 | -30.86# |
| 12 | L2G AROCLOR-1260-2 | 2.809 | 2.783 | 2.843 | 700.363 | 789.278 | -12.70 |
| 13 | L2G AROCLOR-1260-3 | 2.961 | 2.935 | 2.995 | 818.336 | N/A | N/A |
| | | | | % Drift = 18.05# | | | |
| 14 | L2G AROCLOR-1260-4 | 3.232 | 3.206 | 3.266 | 0.950 | N/A E3 | N/A |
| | | | | % Drift = 15.08# | | | |
| 15 | L2G AROCLOR-1260-5 | 3.429 | 3.403 | 3.463 | 490.819 | 566.337 | -15.39# |
| 16 | L2G AROCLOR-1260-6 | 4.079 | 4.053 | 4.113 | 772.116 | 835.718 | -8.24 |
| 17 | L2G AROCLOR-1260-7 | 4.480 | 4.454 | 4.514 | 1.695 | 1.835 E3 | -8.30 |
| 18 | L2G AROCLOR-1260-8 | 4.955 | 4.919 | 4.999 | 1.326 | 1.426 E3 | -7.52 |
| 19 | L2G AROCLOR-1260-9 | 5.833 | 5.798 | 5.878 | 505.948 | 533.026 | -5.35 |
| 20 | L2G AROCLOR-1260-TOTAL#2 | 0.000 | 0.000 | 0.040 | 7.432 | 8.166 E3 | -9.88 |
| 21 | S Decachlorobiphenyl | 6.389 | 6.335 | 6.455 | 18.523 | 20.486 E3 | -10.60 |

Total Average %DEV 11.73

040055

(#) = Out of Range

Quantitation Report (QT Reviewed)

Signal #1 : U:\DATAE\E121406\E121422.D\ECD1A.CH Vial: 22
Signal #2 : U:\DATAE\E121406\E121422.D\ECD2B.CH
Acq On : 14 Dec 2006 6:49 pm Operator:
Sample : 576-36-AR1660-3 Inst : HP5890
Misc : Multiplr: 1.00
IntFile Signal #1: PCB1A.E IntFile Signal #2: PCB2B.E
Quant Time: Dec 22 17:51 2006 Quant Results File: E1214A60.RES

Quant Method : U:\DATAE\E1214A60.M (Chemstation Integrator)
Title : AROCLOR 1016/1260
Last Update : Fri Dec 22 17:49:50 2006
Response via : Initial Calibration
RT via : U:\DATAE\E121406\E121405.D

REVIEWED
12 12 2006

Instrument Type :
Column Type :
Solvent Description :

| | | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | PPB | PPB |
|---|---|---|---|---|---|---|---|---|
| | | System Monitoring Compounds | | | | | | |
| 1) | S | Tetrachloro-m-xy | 1.797 | 0.915 | 1824060 | 1326054 | 85.576 | 85.608 |
| 21) | S | Decachlorobiphen | 10.726 | 6.389 | 1529107 | 1638910 | 91.636 | 88.479 |
| | | Target Compounds | | | | | | |
| 2) | L1G | AROCLOR-1016 | 2.379 | 1.082 | 194898 | 193724 | 427.159m | 456.237 |
| 3) | L1G | AROCLOR-1016-2 | 2.846 | 1.239 | 423818 | 272204 | 442.678m | 456.950 |
| 4) | L1G | AROCLOR-1016-3 | 3.122 | 1.485 | 190408 | 537464 | 414.485 | 426.113 |
| 5) | L1G | AROCLOR-1016-4 | 3.298 | 1.559 | 928669 | 232150 | 419.193 | 446.586 |
| 6) | L1G | AROCLOR-1016-5 | 3.520 | 1.625 | 277850 | 167223 | 352.344 | 441.860 |
| 7) | L1G | AROCLOR-1016-6 | 3.709 | 1.698 | 369396 | 412282 | 431.538 | 483.147 |
| 8) | L1G | AROCLOR-1016-7 | 4.186 | 1.870 | 374574 | 214479 | 423.171 | 465.162 |
| 9) | L1G | AROCLOR-1016-8 | 4.368 | 1.943 | 209637 | 239269 | 402.354 | 472.952 |
| 10) | L1G | AROCLOR-1016-TOT | 0.000 | 0.000 | 2969250 | 2268794 | 407.902m | 443.799m |
| | | Sum AROCLOR-1016 | | | 2969250 | 2268794 | 3312.922 | 3649.007 |
| | | Average AROCLOR-1016 | | | | | 414.115 | 456.126 |
| 11) | L2G | AROCLOR-1260 | 5.689 | 2.705 | 298670 | 90970 | 465.107 | 523.444 |
| 12) | L2G | AROCLOR-1260-2 | 5.982 | 2.809 | 517997 | 315711 | 478.731 | 450.782 |
| 13) | L2G | AROCLOR-1260-3 | 6.113 | 2.961 | 547979 | 366032 | 481.141 | 472.187 |
| 14) | L2G | AROCLOR-1260-4 | 6.448 | 3.232 | 218550 | 415379 | 519.992 | 460.328 |
| 15) | L2G | AROCLOR-1260-5 | 6.682 | 3.429 | 573380 | 226535 | 536.091 | 461.545 |
| 16) | L2G | AROCLOR-1260-6 | 7.504 | 4.079 | 453328 | 334287 | 528.571 | 432.950 |
| 17) | L2G | AROCLOR-1260-7 | 7.726 | 4.480 | 1108508 | 734057 | 504.298 | 433.182 |
| 18) | L2G | AROCLOR-1260-8 | 8.512 | 4.955 | 488007 | 570311 | 489.366m | 430.088 |
| 19) | L2G | AROCLOR-1260-9 | 9.306 | 5.833 | 254942 | 213210 | 470.835m | 421.408 |
| 20) | L2G | AROCLOR-1260-TOT | 0.000 | 0.000 | 4461361 | 3266493 | 498.621m | 439.522m |
| | | Sum AROCLOR-1260 | | | 4461361 | 3266493 | 4474.133 | 4085.913 |
| | | Average AROCLOR-1260 | | | | | 497.126 | 453.990 |

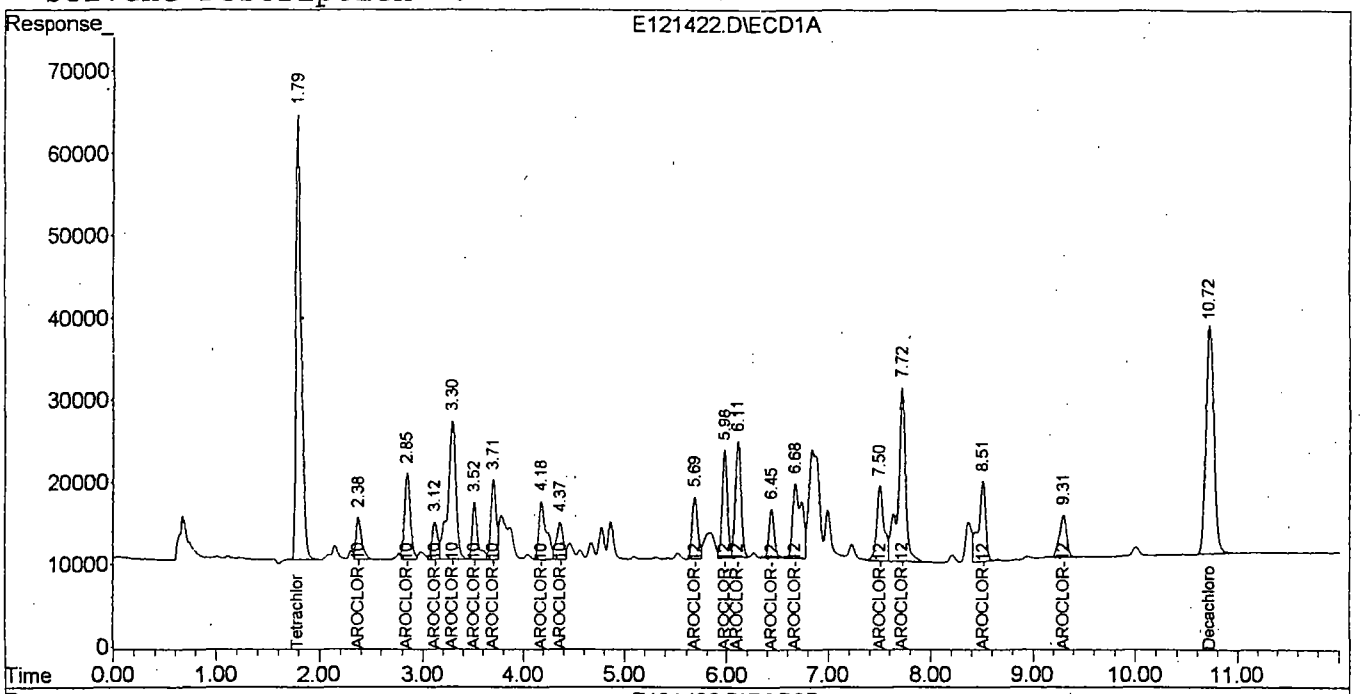
040056

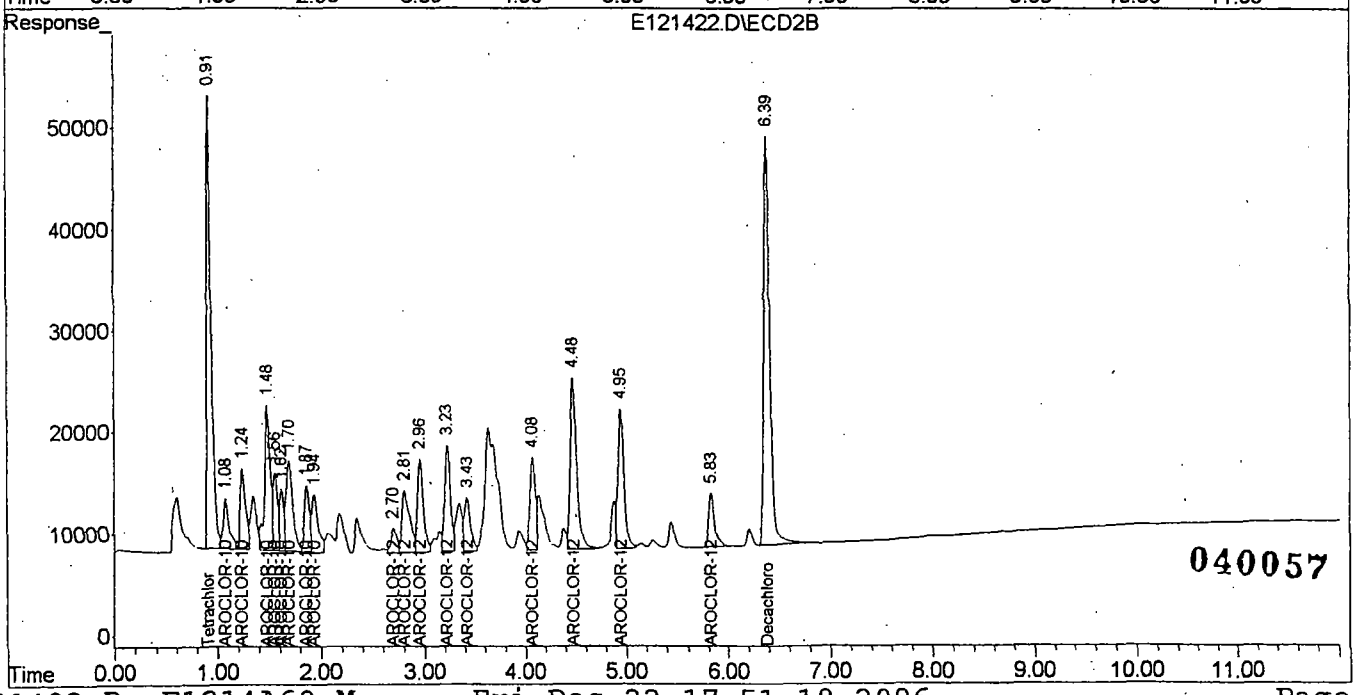
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Signal #1 : U:\DATAE\E121406\E121422.D\ECD1A.CH Vial: 22
Signal #2 : U:\DATAE\E121406\E121422.D\ECD2B.CH
Acq On : 14 Dec 2006 6:49 pm Operator:
Sample : 576-36-AR1660-3 Inst : HP5890
Misc : Multiplr: 1.00
IntFile Signal #1: PCB1A.E IntFile Signal #2: PCB2B.E
Quant Time: Dec 22 17:51 2006 Quant Results File: E1214A60.RES

Quant Method : U:\DATAE\E1214A60.M (Chemstation Integrator)
Title : AROCLOR 1016/1260
Last Update : Fri Dec 22 17:49:50 2006
Response via : Multiple Level Calibration
RT via : U:\DATAE\E121406\E121405.D

Instrument Type :
Column Type :
Solvent Description :



FORM 7-E

# Continuing Calibration Report

Quant Method : U:\DATAE\E1214A60.M (Chemstation Integrator)
Title : AROCLOR 1016/1260
Last Update : Fri Dec 22 17:52:12 2006
Response via : Initial Calibration
RT via : U:\DATAE\E121406\E121422.D
Continuing Calibration File: E121423.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 15% Max. Rel. Area : 150%

Column A

| | Compound | CCRT | Expected Window | | AvgRF | CCRF | | %Dev |
|---|---|---|---|---|---|---|---|---|
| 1 | S Tetrachloro-m-xylene | 1.796 | 1.767 | 1.827 | 21.315 | 22.881 | E3 | -7.35 |
| 2 | L1G AROCLOR-1016 | 2.378 | 2.349 | 2.409 | 456.265 | 493.615 | | -8.19 |
| 3 | L1G AROCLOR-1016-2 | 2.844 | 2.816 | 2.876 | 1.025 | N/A | E3 | N/A |
| | | | | % Drift = 14.14 | | | | |
| 4 | L1G AROCLOR-1016-3 | 3.120 | 3.092 | 3.152 | 459.385 | 489.933 | | -6.65 |
| 5 | L1G AROCLOR-1016-4 | 3.297 | 3.268 | 3.328 | 2.215 | 2.384 | E3 | -7.63 |
| 6 | L1G AROCLOR-1016-5 | 3.522 | 3.490 | 3.550 | 788.577 | 844.718 | | -7.12 |
| 7 | L1G AROCLOR-1016-6 | 3.708 | 3.679 | 3.739 | 0.894 | N/A | E3 | N/A |
| | | | | % Drift = 10.59 | | | | |
| 8 | L1G AROCLOR-1016-7 | 4.185 | 4.156 | 4.216 | 0.920 | N/A | E3 | N/A |
| | | | | % Drift = 10.19 | | | | |
| 9 | L1G AROCLOR-1016-8 | 4.368 | 4.338 | 4.398 | 521.026 | 544.505 | | -4.51 |
| 10 | L1G AROCLOR-1016-TOTAL | 0.000 | 0.000 | 0.030 | 7.279 | 7.758 | E3 | -6.57 |
| 11 | L2G AROCLOR-1260 | 5.688 | 5.659 | 5.719 | 642.153 | 801.438 | | -24.80# |
| 12 | L2G AROCLOR-1260-2 | 5.981 | 5.952 | 6.012 | 1.082 | 1.401 | E3 | -29.52# |
| 13 | L2G AROCLOR-1260-3 | 6.112 | 6.083 | 6.143 | 1.139 | 1.508 | E3 | -32.43# |
| 14 | L2G AROCLOR-1260-4 | 6.447 | 6.418 | 6.478 | 420.295 | 668.510 | | -59.06# |
| 15 | L2G AROCLOR-1260-5 | 6.682 | 6.652 | 6.712 | 1.070 | 1.565 | E3 | -46.35# |
| 16 | L2G AROCLOR-1260-6 | 7.504 | 7.464 | 7.544 | 857.649 | 1209.077 | | -40.98# |
| 17 | L2G AROCLOR-1260-7 | 7.726 | 7.686 | 7.766 | 2.198 | 2.880 | E3 | -31.03# |
| 18 | L2G AROCLOR-1260-8 | 8.514 | 8.472 | 8.552 | 997.222 | 1192.125 | | -19.54# |
| 19 | L2G AROCLOR-1260-9 | 9.308 | 9.266 | 9.346 | 541.468 | 659.900 | | -21.87# |
| 20 | L2G AROCLOR-1260-TOTAL | 0.000 | 0.000 | 0.040 | 8.947 | 11.886 | E3 | -32.85# |
| 21 | S Decachlorobiphenyl | 10.729 | 10.666 | 10.786 | 16.687 | 19.566 | E3 | -17.25# |

Total Average %DEV 22.43

040058

(#) = Out of Range

# Continuing Calibration Report

Quant Method : U:\DATAE\E1214A60.M (Chemstation Integrator)
Title : AROCLOR 1016/1260
Last Update : Fri Dec 22 17:52:12 2006
Response via : Initial Calibration
RT via : U:\DATAE\E121406\E121422.D
Continuing Calibration File: E121423.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 15% Max. Rel. Area : 150%

Column B

| | Compound | CCRT | Expected Window | | AvgRF | CCRF | | %Dev |
|---|---|---|---|---|---|---|---|---|
| 1 | S Tetrachloro-m-xylene | 0.915 | 0.885 | 0.945 | 15.490 | 16.707 | E3 | -7.86 |
| 2 | L1G AROCLOR-1016 | 1.082 | 1.052 | 1.112 | 424.611 | 472.684 | | -11.32 |
| 3 | L1G AROCLOR-1016-2 | 1.239 | 1.219 | 1.259 | 629.357 | N/A | | N/A |
| | | | | % Drift = 13.97 | | | | |
| 4 | L1G AROCLOR-1016-3 | 1.484 | 1.465 | 1.505 | 1.261 | 1.214 | E3 | 3.74 |
| 5 | L1G AROCLOR-1016-4 | 1.560 | 1.539 | 1.579 | 519.833 | 581.062 | | -11.78 |
| 6 | L1G AROCLOR-1016-5 | 1.625 | 1.605 | 1.645 | 378.452 | 414.023 | | -9.40 |
| 7 | L1G AROCLOR-1016-6 | 1.697 | 1.678 | 1.718 | 899.268 | N/A | | N/A |
| | | | | % Drift = 14.25 | | | | |
| 8 | L1G AROCLOR-1016-7 | 1.868 | 1.840 | 1.900 | 493.468 | N/A | | N/A |
| | | | | % Drift = 11.06 | | | | |
| 9 | L1G AROCLOR-1016-8 | 1.942 | 1.913 | 1.973 | 505.906 | 553.975 | | -9.50 |
| 10 | L1G AROCLOR-1016-TOTAL#2 | 0.000 | 0.000 | 0.030 | 5.112 | 5.412 | E3 | -5.87 |
| 11 | L2G AROCLOR-1260 | 2.703 | 2.675 | 2.735 | 173.792 | 190.631 | | -9.69 |
| 12 | L2G AROCLOR-1260-2 | 2.807 | 2.779 | 2.839 | 700.363 | 765.203 | | -9.26 |
| 13 | L2G AROCLOR-1260-3 | 2.959 | 2.931 | 2.991 | 818.336 | N/A | | N/A |
| | | | | % Drift = 14.95 | | | | |
| 14 | L2G AROCLOR-1260-4 | 3.230 | 3.202 | 3.262 | 0.950 | N/A | E3 | N/A |
| | | | | % Drift = 14.05 | | | | |
| 15 | L2G AROCLOR-1260-5 | 3.428 | 3.399 | 3.459 | 490.819 | 545.309 | | -11.10 |
| 16 | L2G AROCLOR-1260-6 | 4.077 | 4.049 | 4.109 | 772.116 | 843.999 | | -9.31 |
| 17 | L2G AROCLOR-1260-7 | 4.479 | 4.450 | 4.510 | 1.695 | 1.870 | E3 | -10.36 |
| 18 | L2G AROCLOR-1260-8 | 4.954 | 4.915 | 4.995 | 1.326 | 1.464 | E3 | -10.40 |
| 19 | L2G AROCLOR-1260-9 | 5.834 | 5.793 | 5.873 | 505.948 | 564.184 | | -11.51 |
| 20 | L2G AROCLOR-1260-TOTAL#2 | 0.000 | 0.000 | 0.040 | 7.432 | 8.168 | E3 | -9.91 |
| 21 | S Decachlorobiphenyl | 6.389 | 6.329 | 6.449 | 18.523 | 20.788 | E3 | -12.23 |

Total Average %DEV 9.58

040059

(#) = Out of Range

Signal #1 : U:\DATAE\E121406\E121423.D\ECD1A.CH Vial: 23
Signal #2 : U:\DATAE\E121406\E121423.D\ECD2B.CH
Acq On : 14 Dec 2006 7:04 pm Operator:
Sample : 576-36-AR1660-3 Inst : HP5890
Misc : Multiplr: 1.00
IntFile Signal #1: PCB1A.E IntFile Signal #2: PCB2B.E
Quant Time: Dec 22 17:53 2006 Quant Results File: E1214A60.RES

Quant Method : U:\DATAE\E1214A60.M (Chemstation Integrator)
Title : AROCLOR 1016/1260
Last Update : Fri Dec 22 17:52:12 2006
Response via : Initial Calibration
RT via : U:\DATAE\E121406\E121422.D

REVIEWED

Instrument Type :
Column Type :
Solvent Description :

| | | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | PPB | PPB |
|---|---|---|---|---|---|---|---|---|
| | | System Monitoring Compounds | | | | | | |
| 1) | S | Tetrachloro-m-xy | 1.796 | 0.915 | 1830508 | 1336532 | 85.878 | 86.285 |
| 21) | S | Decachlorobiphen | 10.729 | 6.389 | 1565281 | 1663036 | 93.804 | 89.782 |
| | | Target Compounds | | | | | | |
| 2) | L1G | AROCLOR-1016 | 2.378 | 1.082 | 197446 | 189074 | 432.744m | 445.287 |
| 3) | L1G | AROCLOR-1016-2 | 2.844 | 1.239 | 434611 | 271661 | 456.565m | 455.881 |
| 4) | L1G | AROCLOR-1016-3 | 3.120 | 1.484 | 195973 | 485667 | 426.599 | 385.047 |
| 5) | L1G | AROCLOR-1016-4 | 3.297 | 1.560 | 953746 | 232425 | 430.512 | 447.114 |
| 6) | L1G | AROCLOR-1016-5 | 3.522 | 1.625 | 337887 | 165609 | 428.477 | 437.597 |
| 7) | L1G | AROCLOR-1016-6 | 3.708 | 1.697 | 377550 | 392811 | 442.363 | 456.987 |
| 8) | L1G | AROCLOR-1016-7 | 4.185 | 1.868 | 388080 | 206105 | 440.775 | 444.222 |
| 9) | L1G | AROCLOR-1016-8 | 4.368 | 1.942 | 217802 | 221590 | 418.025 | 438.006 |
| 10) | L1G | AROCLOR-1016-TOT | 0.000 | 0.000 | 3103094 | 2164942 | 426.289m | 423.484m |
| | Sum | AROCLOR-1016 | | | 3103094 | 2164942 | 3476.061 | 3510.140 |
| Average | | AROCLOR-1016 | | | | | 434.508 | 438.768 |
| 11) | L2G | AROCLOR-1260 | 5.688 | 2.703 | 320575 | 76252 | 499.219 | 438.757 |
| 12) | L2G | AROCLOR-1260-2 | 5.981 | 2.807 | 560562 | 306081 | 518.069 | 437.032 |
| 13) | L2G | AROCLOR-1260-3 | 6.112 | 2.959 | 603289 | 357775 | 529.704 | 459.805 |
| 14) | L2G | AROCLOR-1260-4 | 6.447 | 3.230 | 267404 | 412193 | 636.228 | 456.195 |
| 15) | L2G | AROCLOR-1260-5 | 6.682 | 3.428 | 626123 | 218124 | 585.404 | 444.408 |
| 16) | L2G | AROCLOR-1260-6 | 7.504 | 4.077 | 483631 | 337599 | 563.903 | 437.240 |
| 17) | L2G | AROCLOR-1260-7 | 7.726 | 4.479 | 1152094 | 748067 | 524.127 | 441.450 |
| 18) | L2G | AROCLOR-1260-8 | 8.514 | 4.954 | 476850 | 585580 | 478.178 | 441.603 |
| 19) | L2G | AROCLOR-1260-9 | 9.308 | 5.834 | 263960 | 225674 | 487.490m | 446.041 |
| 20) | L2G | AROCLOR-1260-TOT | 0.000 | 0.000 | 4754486 | 3267345 | 531.382m | 439.637m |
| | Sum | AROCLOR-1260 | | | 4754486 | 3267345 | 4822.323 | 4002.531 |
| Average | | AROCLOR-1260 | | | | | 535.814 | 444.726 |

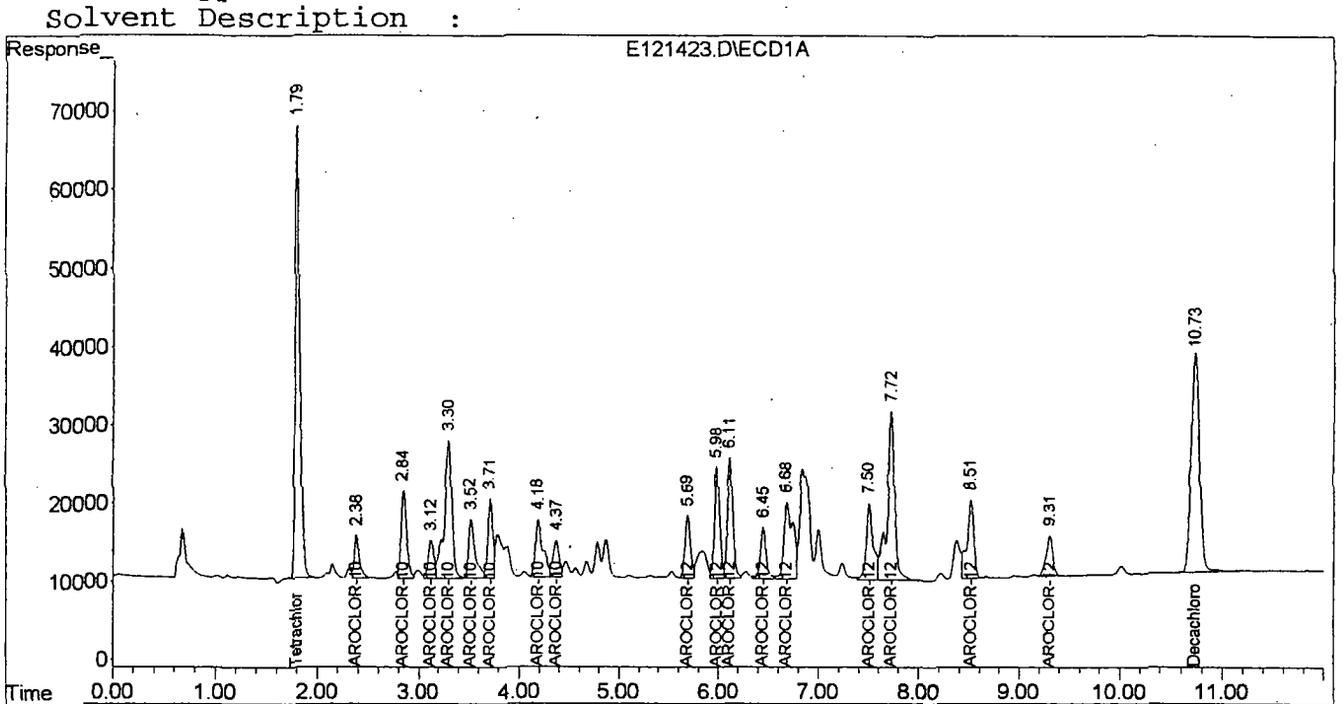
040060

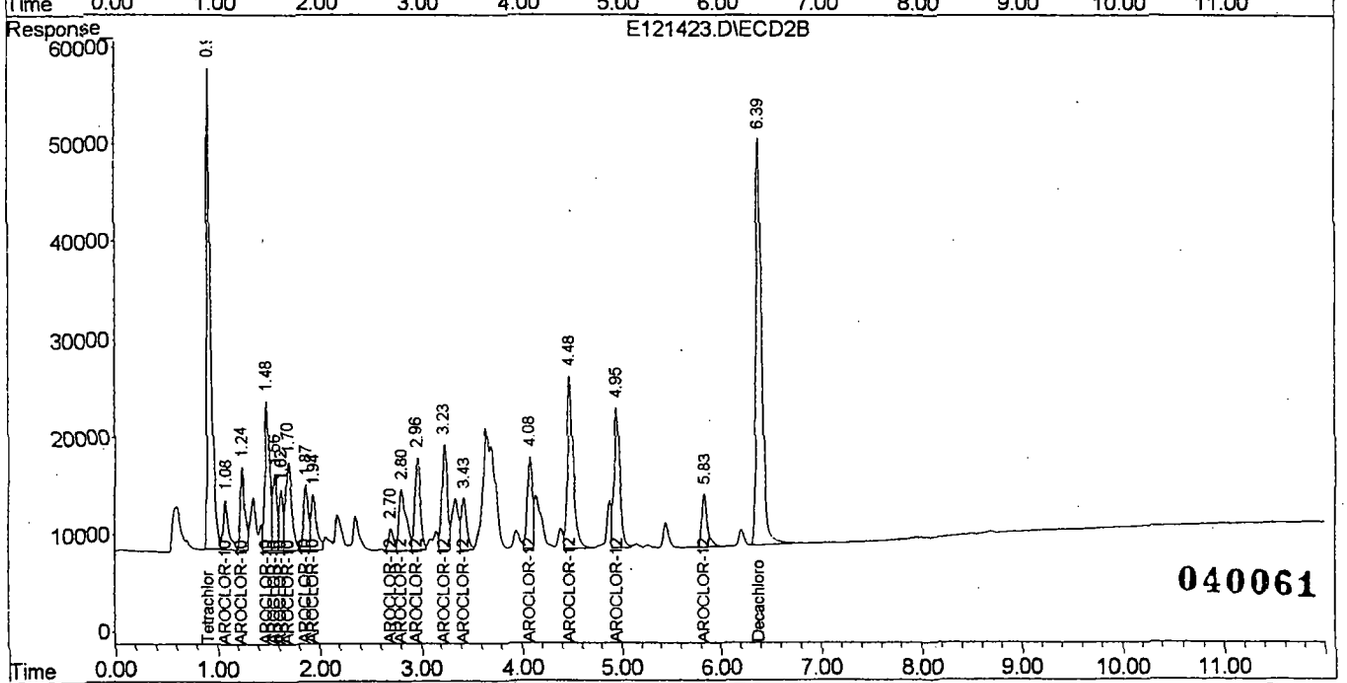
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Signal #1 : U:\DATAE\E121406\E121423.D\ECD1A.CH Vial: 23
Signal #2 : U:\DATAE\E121406\E121423.D\ECD2B.CH
Acq On : 14 Dec 2006 7:04 pm Operator:
Sample : 576-36-AR1660-3 Inst : HP5890
Misc : Multiplr: 1.00
IntFile Signal #1: PCB1A.E IntFile Signal #2: PCB2B.E
Quant Time: Dec 22 17:53 2006 Quant Results File: E1214A60.RES

Quant Method : U:\DATAE\E1214A60.M (Chemstation Integrator)
Title : AROCLOR 1016/1260
Last Update : Fri Dec 22 17:52:12 2006
Response via : Multiple Level Calibration
RT via : U:\DATAE\E121406\E121422.D

Instrument Type :
Column Type :
Solvent Description :



Pace Analytical®
New Orleans Laboratory

# Report of Method Blank

*Pace Analytical Services, Inc.*
*1000 Riverbend Blvd. Suite F*
*St. Rose , LA 70087*

*Phone: 504.469.0333*
*Fax: 504.469.0555*
*LELAP # 02006*

**Lab ID:** 20489674

**Description:** 8082 PCBs Water **Project No.:** 2064976

**Method:** EPA 8082 **Batch:** 79789 **Units:** ug/L

**Prep Factor:** 1 **Leached:** **Prepared:** 12-Dec-06 **Analyzed:** 12/19/06 11:13 SLF (1)

| CAS Number | Parameter | Dilution | Result | Qu | Reporting Limit |
|---|---|---|---|---|---|
| 12674-11-2 | PCB-1016 (Aroclor 1016) | 1 | ND | | 1.00 |
| 11104-28-2 | PCB-1221 (Aroclor 1221) | 1 | ND | | 1.00 |
| 11141-16-5 | PCB-1232 (Aroclor 1232) | 1 | ND | | 1.00 |
| 53469-21-9 | PCB-1242 (Aroclor 1242) | 1 | ND | | 1.00 |
| 12672-29-6 | PCB-1248 (Aroclor 1248) | 1 | ND | | 1.00 |
| 11097-69-1 | PCB-1254 (Aroclor 1254) | 1 | ND | | 1.00 |
| 11096-82-5 | PCB-1260 (Aroclor 1260) | 1 | ND | | 1.00 |

**7 compound(s) reported**

ND denotes Not Detected at or above the reporting limit.
DF denotes Dilution Factor.
RL denotes sample Reporting Limit.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.



*New Orleans Laboratory Certifications*
*Louisiana Dept. of Environmental Quality (LELAP) - 02006*
*Arkansas Dept. of Environmental Quality - 88-0681*
*Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023*
*Florida Dept. of Health (NELAC) - E87595*
*Kansas Dept. of Health Environment - E-10266*
*U.S. Dept. of Agriculture Foreign Soil Permit - S-47270*

Signal #1 : U:\DATAE\E121406\E121432.D\ECD1A.CH Vial: 32
Signal #2 : U:\DATAE\E121406\E121432.D\ECD2B.CH
Acq On : 19 Dec 2006 11:13 am Operator:
Sample : 20489674/79789b Inst : HP5890
Misc : 79789 1:1 Multiplr: 1.00
IntFile Signal #1: PCB1A.E IntFile Signal #2: PCB2B.E
Quant Time: Dec 22 18:05 2006 Quant Results File: E1214A60.RES

Quant Method : U:\DATAE\E1214A60.M (Chemstation Integrator)
Title : AROCLOR 1016/1260
Last Update : Fri Dec 22 17:58:38 2006
Response via : Initial Calibration
RT via : U:\DATAE\E121406\E121427.D

REVIEWED

Instrument Type :
Column Type :
Solvent Description :

| | | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | PPB | PPB |
|---|---|---|---|---|---|---|---|---|
| | | System Monitoring Compounds | | | | | | |
| 1) | S | Tetrachloro-m-xy | 1.817 | 0.929 | 194560 | 153919 | 9.128m | 9.937 |
| 21) | S | Decachlorobiphen | 10.789 | 6.423 | 238925 | 236258 | 14.318m | 12.755m |
| | | Target Compounds | | | | | | |
| 2) | L1G | AROCLOR-1016 | 0.000 | 1.074 | 0 | 17603 | N.D. | 41.458 # |
| 3) | L1G | AROCLOR-1016-2 | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 4) | L1G | AROCLOR-1016-3 | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 5) | L1G | AROCLOR-1016-4 | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 6) | L1G | AROCLOR-1016-5 | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 7) | L1G | AROCLOR-1016-6 | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 8) | L1G | AROCLOR-1016-7 | 0.000 | 1.887 | 0 | 22626 | N.D. | N.D. |
| 9) | L1G | AROCLOR-1016-8 | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 10) | L1G | AROCLOR-1016-TOT | 0.000 | 0.000 | 0 | 40229 | N.D. m | 7.869m# |
| | | Sum AROCLOR-1016 | | | 0 | 17603 | N.D. | 26.844 |
| | | Average AROCLOR-1016 | | | | | 0.000 | 26.844 |
| 11) | L2G | AROCLOR-1260 | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 12) | L2G | AROCLOR-1260-2 | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 13) | L2G | AROCLOR-1260-3 | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 14) | L2G | AROCLOR-1260-4 | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 15) | L2G | AROCLOR-1260-5 | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 16) | L2G | AROCLOR-1260-6 | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 17) | L2G | AROCLOR-1260-7 | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 18) | L2G | AROCLOR-1260-8 | 0.000 | 4.990 | 0 | 7902 | N.D. | 5.959 # |
| 19) | L2G | AROCLOR-1260-9 | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 20) | L2G | AROCLOR-1260-TOT | 0.000 | 0.000 | 0 | 7902 | N.D. m | 1.063m# |
| | | Sum AROCLOR-1260 | | | 0 | 7902 | N.D. | 5.959 |
| | | Average AROCLOR-1260 | | | | | 0.000 | 5.959 |

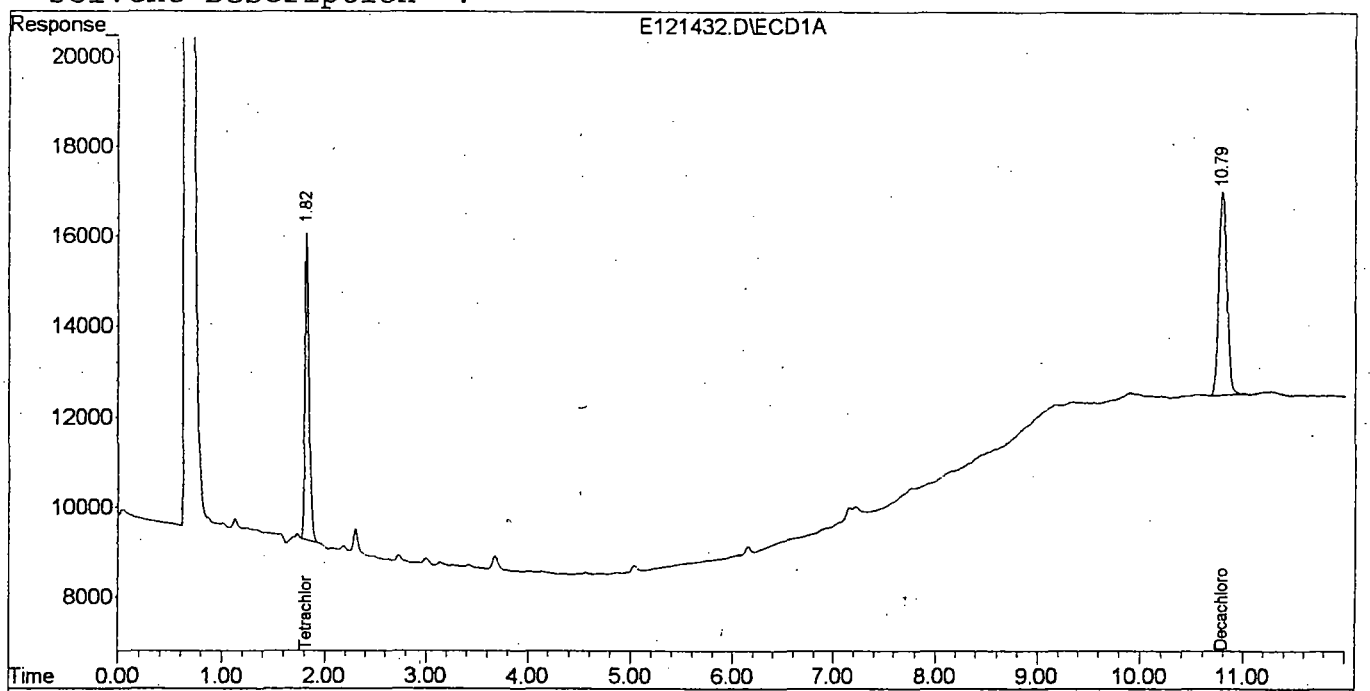
040064

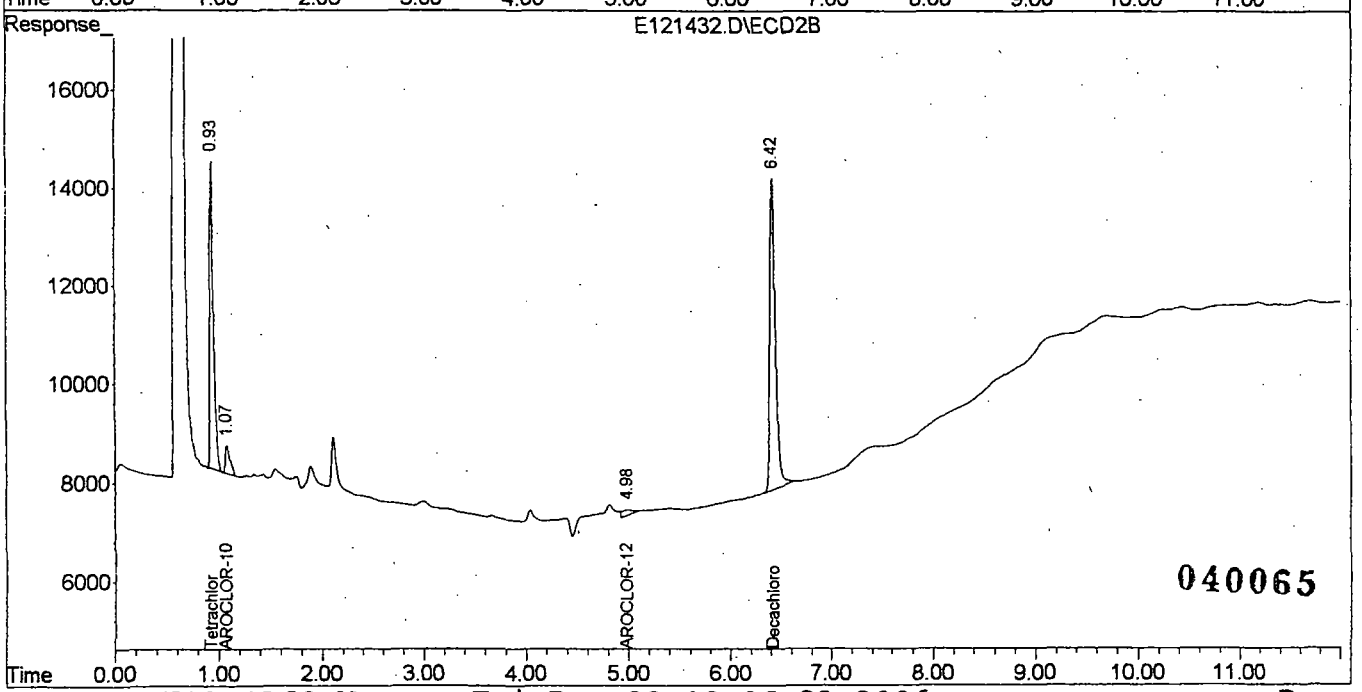
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Signal #1 : U:\DATAE\E121406\E121432.D\ECD1A.CH Vial: 32
Signal #2 : U:\DATAE\E121406\E121432.D\ECD2B.CH
Acq On : 19 Dec 2006 11:13 am Operator:
Sample : 20489674/79789b Inst : HP5890
Misc : 79789 1:1 Multiplr: 1.00
IntFile Signal #1: PCB1A.E IntFile Signal #2: PCB2B.E
Quant Time: Dec 22 18:05 2006 Quant Results File: E1214A60.RES

Quant Method : U:\DATAE\E1214A60.M (Chemstation Integrator)
Title : AROCLOR 1016/1260
Last Update : Fri Dec 22 17:58:38 2006
Response via : Multiple Level Calibration
RT via : U:\DATAE\E121406\E121427.D

Instrument Type :
Column Type :
Solvent Description :



Signal #1 : U:\DATAE\E121406\E121433.D\ECD1A.CH Vial: 33
Signal #2 : U:\DATAE\E121406\E121433.D\ECD2B.CH
Acq On : 19 Dec 2006 11:28 am Operator:
Sample : 20489675/79789s Inst : HP5890
Misc : 79789 1:1 Multiplr: 1.00
IntFile Signal #1: PCB1A.E IntFile Signal #2: PCB2B.E
Quant Time: Dec 22 18:05 2006 Quant Results File: E1214A60.RES

Quant Method : U:\DATAE\E1214A60.M (Chemstation Integrator)
Title : AROCLOR 1016/1260
Last Update : Fri Dec 22 17:58:38 2006
Response via : Initial Calibration
RT via : U:\DATAE\E121406\E121427.D

Instrument Type :
Column Type :
Solvent Description :

| | | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | PPB | PPB |
|---|---|---|---|---|---|---|---|---|
| | | System Monitoring Compounds | | | | | | |
| 1) | S | Tetrachloro-m-xy | 1.817 | 0.926 | 239580 | 193571 | 11.240m | 12.497m |
| 21) | S | Decachlorobiphen | 10.794 | 6.426 | 232063 | 245673 | 13.907 | 13.263 |
| | | Target Compounds | | | | | | |
| 2) | L1G | AROCLOR-1016 | 2.410 | 1.097 | 307137 | 316702 | 673.155 | 745.863 |
| 3) | L1G | AROCLOR-1016-2 | 2.875 | 1.256 | 627936 | 460281 | 705.317m | 827.414 |
| 4) | L1G | AROCLOR-1016-3 | 3.154 | 1.502 | 272007 | 830204 | 592.112 | 658.203 |
| 5) | L1G | AROCLOR-1016-4 | 3.330 | 1.579 | 1348676 | 388792 | 608.780 | 747.917 |
| 6) | L1G | AROCLOR-1016-5 | 3.556 | 1.644 | 468017 | 287949 | 593.495 | 760.862 |
| 7) | L1G | AROCLOR-1016-6 | 3.743 | 1.718 | 515262 | 632250 | 625.204 | 778.688 |
| 8) | L1G | AROCLOR-1016-7 | 4.223 | 1.890 | 492311 | 354881 | 576.634 | 816.271 |
| 9) | L1G | AROCLOR-1016-8 | 4.405 | 1.964 | 267657 | 368282 | 513.711 | 727.966 |
| 10) | L1G | AROCLOR-1016-TOT | 0.000 | 0.000 | 4299001 | 3639340 | 590.577m | 711.891m |
| | | Sum AROCLOR-1016 | | | 4299001 | 3639340 | 4888.408 | 6063.185 |
| | | Average AROCLOR-1016 | | | | | 611.051 | 757.898 |
| 11) | L2G | AROCLOR-1260 | 5.731 | 2.729 | 405807 | 130780 | 631.947 | 752.511 |
| 12) | L2G | AROCLOR-1260-2 | 6.022 | 2.834 | 690570 | 485379 | 638.222 | 693.038 |
| 13) | L2G | AROCLOR-1260-3 | 6.154 | 2.987 | 722065 | 544758 | 633.994 | 740.202 |
| 14) | L2G | AROCLOR-1260-4 | 6.490 | 3.258 | 280527 | 609647 | 667.451 | 712.303 |
| 15) | L2G | AROCLOR-1260-5 | 6.725 | 3.457 | 717689 | 321586 | 671.015 | 655.203 |
| 16) | L2G | AROCLOR-1260-6 | 7.547 | 4.109 | 585667 | 475334 | 682.875 | 615.626 |
| 17) | L2G | AROCLOR-1260-7 | 7.767 | 4.511 | 1474261 | 924344 | 670.692m | 545.474 |
| 18) | L2G | AROCLOR-1260-8 | 8.557 | 4.986 | 656819 | 761861 | 658.648 | 574.542 |
| 19) | L2G | AROCLOR-1260-9 | 9.355 | 5.867 | 343919 | 238118 | 635.161m | 470.637 |
| 20) | L2G | AROCLOR-1260-TOT | 0.000 | 0.000 | 5877322 | 4491806 | 656.875m | 604.394m |
| | | Sum AROCLOR-1260 | | | 5877322 | 4491806 | 5890.005 | 5759.537 |
| | | Average AROCLOR-1260 | | | | | 654.445 | 639.949 |

REVIEWED

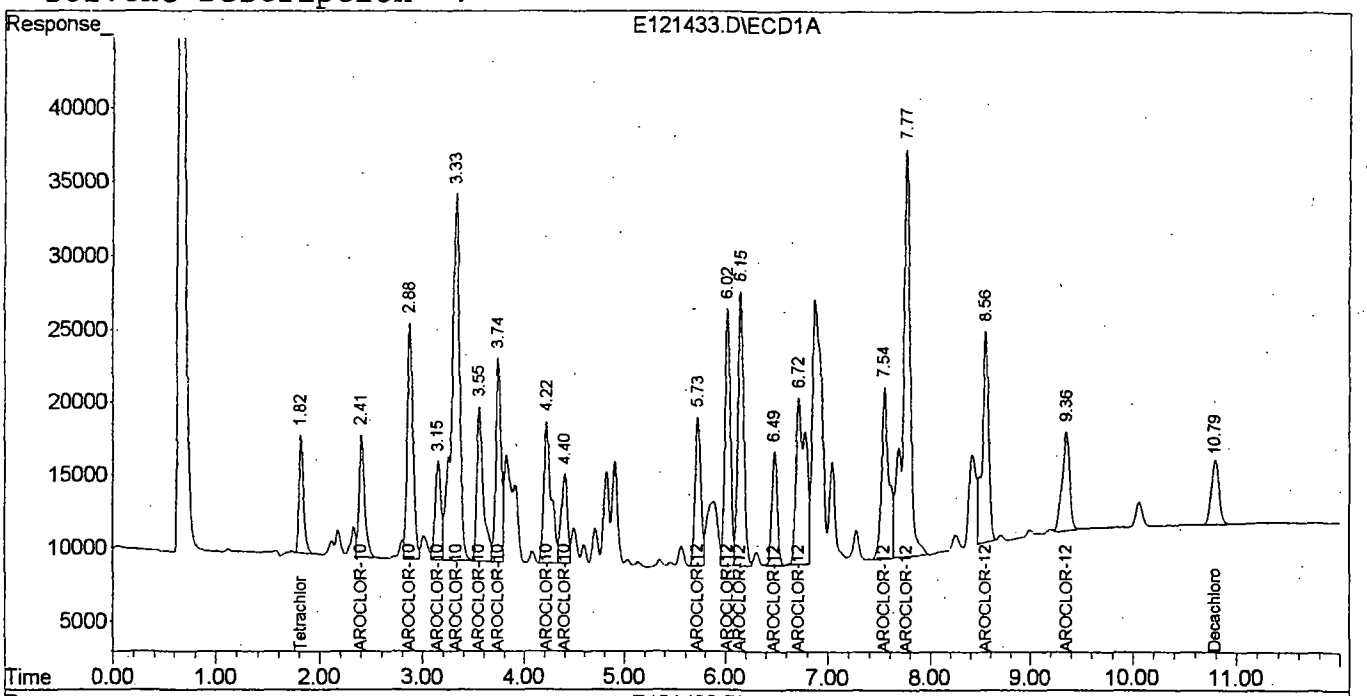
040066

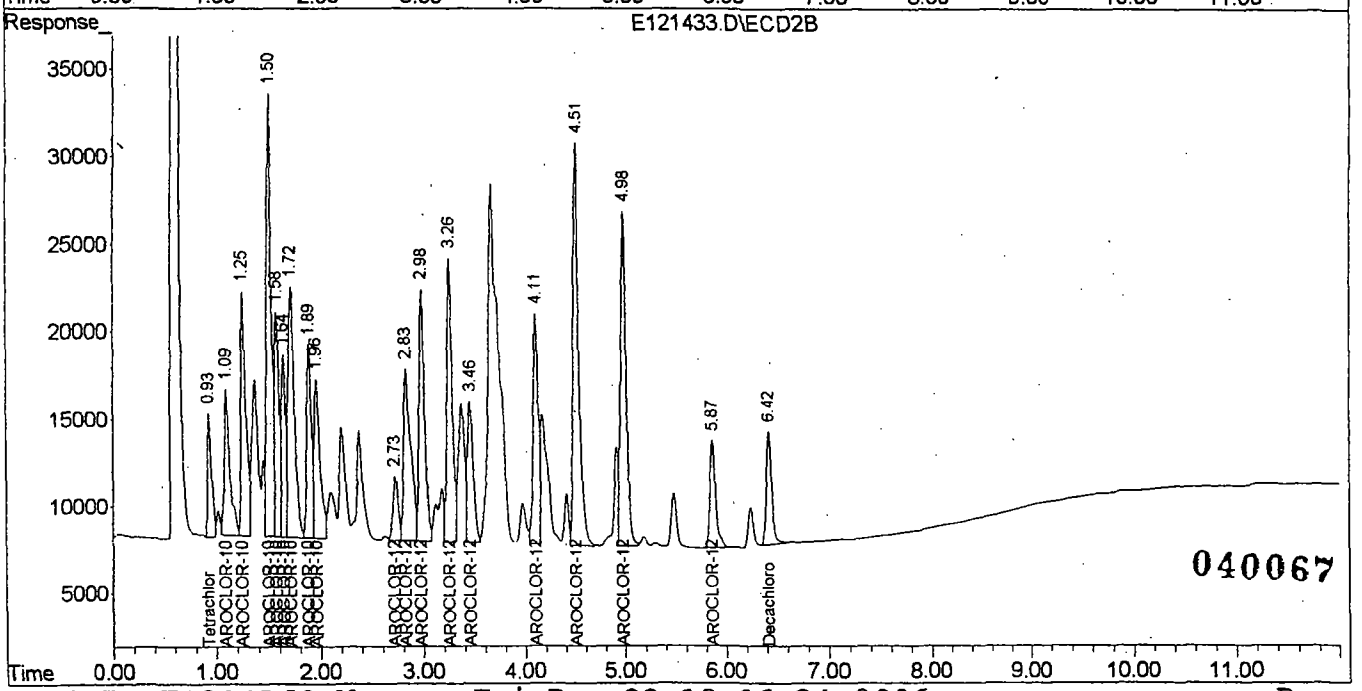
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Signal #1 : U:\DATAE\E121406\E121433.D\ECD1A.CH Vial: 33
Signal #2 : U:\DATAE\E121406\E121433.D\ECD2B.CH
Acq On : 19 Dec 2006 11:28 am Operator:
Sample : 20489675/79789s Inst : HP5890
Misc : 79789 1:1 Multiplr: 1.00
IntFile Signal #1: PCB1A.E IntFile Signal #2: PCB2B.E
Quant Time: Dec 22 18:05 2006 Quant Results File: E1214A60.RES

Quant Method : U:\DATAE\E1214A60.M (Chemstation Integrator)
Title : AROCLOR 1016/1260
Last Update : Fri Dec 22 17:58:38 2006
Response via : Multiple Level Calibration
RT via : U:\DATAE\E121406\E121427.D

Instrument Type :
Column Type :
Solvent Description :




040067

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www.pacelabs.com

**PCBs**

**SAMPLE PREPARATION PACKAGE**

**SDG: 2064976**

# Organic Extraction Log

Batch
**79789**


**Procedure:** 35358082

**Start Date/Time:** 12/12/06 **End Date/Time:** 12/15/06

**Start Analyst:** DMB **End Analyst:** SNP

**Bath Temp** 75 **Date/Time** 12/15

| Q | Sample | | | Amount (g or mL) | pH 1 | pH 2 | pH 3 | Sur Spk (mL) | Spike (mL) | Extract Tech(s) | Final Vol (mL) | Conc Tech(s) | Cleanup A mL | Cleanup A mL | Cleanup Tech(s) | Review Tech(s) | Comment | Ex# |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| X | !20489674! | 20489674 | BLA | 1000 | T | T | T | 1.0 | — | PB | 10.0 | CW | 3.0 | 3.0 | SNP | SNP | | |
| | !20489675! | 20489675 | LCS | | | | | | 1.0 | | | | | | | | | |
| | !20489074! | 20489074 | PS | | | | | | T | | | | | | | | | |
| | !20489231! | 20489231 | PS | | | | | | | | | | | | | | | |
| | !20489238! | 20489238 | PS | | | | | | | | | | | | | | | |

5 samples

*SHARES BLANK W/ 79576 SP 12/15

**Reagent Lots**

Acetone 065490
Acetonitrile 051904
Hexane 060610
Methylene chloride 065935
Pentane 053177
Cleanup Cartridge SPE
Sodium sulfate 27966002

04 09 03

**Cleanup Codes**

A Sulfuric acid wash
D Diazomethane Deriv
F Florisil
G GPC
S Silica gel fractionation

**Qualifier Codes**

1 Difficulty filtering through SPE cartridge
2 All available sample used
3 Extract lost during concentration
4 Extract could not be concentrated
5 pH re-adjusted for second 18 hours
6 No sample remaining for QC

**Standard Solutions**

| | ID | Spiker | Verifier |
|---|---|---|---|
| Surr | 530168 GCSS | 193 | SNP |
| LCS | 530164 ARI660MS | 1 | 1 |
| Mx | | | |
| | | | |
| | | | |

# INSTRUMENT RUNLOG

## GC SEMIVOA E121406

Instrument: E
Column: 0.83/0.53mm DB-608/DB-1701
Injector: 250C
Initial oven Temp: 200C 1min
Temp ramp: 10C/min
Final oven temp: 280C 3min
Carrier: Hydrogen

☐ Septum changed?
☐ Column trimmed?
☐ Injection liner changed?

| | File | Lab ID | Extra | Batch | DF | Date | Time | Comments |
|---|---|---|---|---|---|---|---|---|
| 1 | E121401.D | position bla | | | 1 | 14-Dec-06 | 13:34 | |
| 2 | E121402.D | position bla | | | 1 | 14-Dec-06 | 13:49 | |
| 3 | E121403.D | 576-22-AR1 | | | 1 | 14-Dec-06 | 14:04 | |
| 4 | E121404.D | 576-22-AR1 | | | 1 | 14-Dec-06 | 14:19 | 2.132/1549 |
| 5 | E121405.D | 576-22-AR1 | | | 1 | 14-Dec-06 | 14:34 | |
| 6 | E121406.D | 576-22-AR1 | | | 1 | 14-Dec-06 | 14:49 | |
| 7 | E121407.D | 576-22-AR1 | | | 1 | 14-Dec-06 | 15:04 | |
| 8 | E121408.D | 576-30-AR2 | | | 1 | 14-Dec-06 | 15:19 | |
| 9 | E121409.D | 576-16-AR1 | | | 1 | 14-Dec-06 | 15:34 | |
| 10 | E121410.D | 576-16-AR1 | | | 1 | 14-Dec-06 | 15:49 | |
| 11 | E121411.D | 576-16-AR1 | | | 1 | 14-Dec-06 | 16:04 | |
| 12 | E121412.D | 576-05-AR1 | ICV | | 1 | 14-Dec-06 | 16:19 | ✓ |
| 13 | E121413.D | 20489322 | | 79789 | 1 | 14-Dec-06 | 16:34 | |
| 14 | E121414.D | 20489323 | | 79789 | 1 | 14-Dec-06 | 16:49 | |
| 15 | E121415.D | 20488534 | | 79789 | 1 | 14-Dec-06 | 17:04 | |
| 16 | E121416.D | 20488535 | | 79789 | 1 | 14-Dec-06 | 17:19 | |
| 17 | E121417.D | 20488536 | | 79789 | 1 | 14-Dec-06 | 17:34 | |
| 18 | E121418.D | 20488537 | | 79789 | 1 | 14-Dec-06 | 17:49 | |
| 19 | E121419.D | 20488538 | | 79789 | 1 | 14-Dec-06 | 18:04 | |
| 20 | E121420.D | 20488539 | | 79789 | 1 | 14-Dec-06 | 18:19 | |
| 21 | E121421.D | 20488540 | | 79789 | 1 | 14-Dec-06 | 18:34 | |
| 22 | E121422.D | 576-36-AR1 | | | 1 | 14-Dec-06 | 18:49 | 1260 on A |
| 23 | E121423.D | 576-36-AR1 | | | 1 | 14-Dec-06 | 19:04 | ✓ |
| 24 | E121425.D | position bla | | | 1 | 19-Dec-06 | 9:28 | |
| 25 | E121426.D | 576-36-AR1 | | | 1 | 19-Dec-06 | 9:43 | 1260 |
| 26 | E121427.D | 576-36-AR1 | | | 1 | 19-Dec-06 | 9:58 | ✓ 1260 |
| 27 | E121428.D | 20491059 | | | 1 | 19-Dec-06 | 10:13 | ✓ |
| 28 | E121429.D | 20491060 | | | 1 | 19-Dec-06 | 10:28 | ✓ |
| 29 | E121430.D | 20489042 | | | 1 | 19-Dec-06 | 10:43 | ✓ |
| 30 | E121431.D | 20489051 | | | 1 | 19-Dec-06 | 10:58 | ✓ |
| 31 | E121432.D | 20489674 | | 79789 | 1 | 19-Dec-06 | 11:13 | ✓ |
| 32 | E121433.D | 20489675 | | 79789 | 1 | 19-Dec-06 | 11:28 | ✓ |
| 33 | E121434.D | 20489074 | | 79789 | 1 | 19-Dec-06 | 11:43 | SJ |
| 34 | E121435.D | 20489231 | | 79789 | 1 | 19-Dec-06 | 11:58 | ✓ 040070 |
| 35 | E121436.D | 20489238 | | 79789 | 1 | 19-Dec-06 | 12:13 | ✓ |

# INSTRUMENT RUNLOG

## GC SEMIVOA E121406

Instrument: E
Column: 0.83/0.53mm DB-608/DB-1701
Injector: 250C
Initial oven Temp: 200C 1min
Temp ramp: 10C/min
Final oven temp: 280C 3min
Carrier: Hydrogen

☐ Septum changed?
☐ Column trimmed?
☐ Injection liner changed?

| | File | Lab ID | Extra | Batch | DF | Date | Time | Comments |
|---|---|---|---|---|---|---|---|---|
| 36 | E121437.D | 576-36-AR1 | | | 1 | 19-Dec-06 | 12:27 | ✓ |
| 37 | E121438.D | 576-36-AR1 | | | 1 | 19-Dec-06 | 12:42 | ✓ |

040071

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www.pacelabs.com

**PESTICIDES**

**SAMPLE DATA**

**SDG: 2064976**

# Report of Laboratory Analysis

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Pace Analytical® New Orleans Laboratory

**Client:** EA Engineering,Science &Tech

**Client ID:** 2WSW6-EPA | **Site:** None

**Project:** Gulfco Marine Superfund Site | **Project No.:** 2064976 | **Sample Qu:**

**Lab ID:** 20489238 | **Matrix:** Water | **% Moisture:** n/a

**Description:** None | **Prep Level:** Water | **Batch:** 79516

**Method:** 8081 Pests Water | **Units:** ug/L | **Target List:** 8081_WL20

**Collected:** 12/06/06 | **Received:** 12/08/06

**Prep Factor:** 1 | **Prepared:** 12/12/06 | **Analyzed:** 12/18/06 15:55 SLF (1)

| CAS Number | Parameter | Dilution | Result | Qu | Adjusted MDL | Reporting Limit | Reg. Limit |
|---|---|---|---|---|---|---|---|
| 309-00-2 | Aldrin | 1 | ND | | 0.0171 | 0.0500 | |
| 319-84-6 | alpha-BHC | 1 | ND | | 0.00654 | 0.0500 | |
| 319-85-7 | beta-BHC | 1 | ND | | 0.0115 | 0.0500 | |
| 319-86-8 | delta-BHC | 1 | ND | | 0.0141 | 0.0500 | |
| 58-89-9 | gamma-BHC (Lindane) | 1 | ND | | 0.00637 | 0.0500 | |
| 5103-71-9 | alpha-Chlordane | 1 | ND | | 0.0142 | 0.0500 | |
| 5103-74-2 | gamma-Chlordane | 1 | ND | | 0.0429 | 0.0500 | |
| 72-54-8 | 4,4'-DDD | 1 | ND | | 0.0180 | 0.100 | |
| 72-55-9 | 4,4'-DDE | 1 | ND | | 0.00793 | 0.100 | |
| 50-29-3 | 4,4'-DDT | 1 | ND | | 0.0249 | 0.100 | |
| 60-57-1 | Dieldrin | 1 | ND | | 0.00521 | 0.100 | |
| 959-98-8 | Endosulfan I | 1 | ND | | 0.0200 | 0.0500 | |
| 33213-65-9 | Endosulfan II | 1 | ND | | 0.0145 | 0.100 | |
| 1031-07-8 | Endosulfan sulfate | 1 | ND | | 0.00749 | 0.100 | |
| 72-20-8 | Endrin | 1 | ND | | 0.0128 | 0.100 | |
| 7421-93-4 | Endrin aldehyde | 1 | ND | | 0.0144 | 0.100 | |
| 53494-70-5 | Endrin ketone | 1 | ND | | 0.0629 | 0.100 | |
| 76-44-8 | Heptachlor | 1 | ND | | 0.00949 | 0.0500 | |
| 1024-57-3 | Heptachlor epoxide | 1 | ND | | 0.00469 | 0.0500 | |
| 72-43-5 | Methoxychlor | 1 | ND | | 0.0780 | 0.500 | |
| 8001-35-2 | Toxaphene | 1 | ND | | | 2.00 | |

21 compound(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of extract. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit denotes an actual regulatory limit or a client-requested notification limit.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

1/5/2007 10:15:02

*New Orleans Laboratory Certifications*
*Louisiana Dept. of Environmental Quality (LELAP) - 02006*
*Arkansas Dept. of Environmental Quality - 88-0661*
*Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023*
*Florida Dept. of Health (NELAC) - E87595*
*Kansas Dept. of Health Environment - E-10266*
*U.S. Dept. of Agriculture Foreign Soil Permit - S-47270*

Signal #1 : U:\DATAH\H121806\H121818.D\ECD1A.CH Vial: 95
Signal #2 : U:\DATAH\H121806\H121818.D\ECD2B.CH
Acq On : 18 Dec 2006 3:55 pm Operator:
Sample : 20489238 Inst : GCSV H
Misc : 79516 1:1 Multiplr: 1.00
IntFile Signal #1: PEST1.E IntFile Signal #2: PEST2.E
Quant Time: Dec 21 14:21 2006 Quant Results File: H120306.RES

Quant Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix
Last Update : Tue Dec 19 15:56:30 2006
Response via : Initial Calibration
RT via : U:\DATAH\H121806\H121812.D

Instrument Type :
Column Type :
Solvent Description :

| | | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | PPB | PPB |
|---|---|---|---|---|---|---|---|---|
| | | System Monitoring Compounds | | | | | | |
| 1) | S | Tetrachloro-m-xy | 3.232 | 2.826 | 1306579 | 3458827 | 12.051 | 10.647m |
| 25) | S | Decachlorobiphen | 11.949 | 12.011 | 1200169 | 4266480 | 14.015 | 13.730 |
| | | Target Compounds | | | | | | |
| 9) | T | gamma-Chlordane | 7.397 | 0.000 | 277419 | 0 | 2.692 | N.D. # |
| 22) | T | Methoxychlor | 0.000 | 9.940 | 0 | 100056 | N.D. | 0.864m# |

BDC

REVIEWED

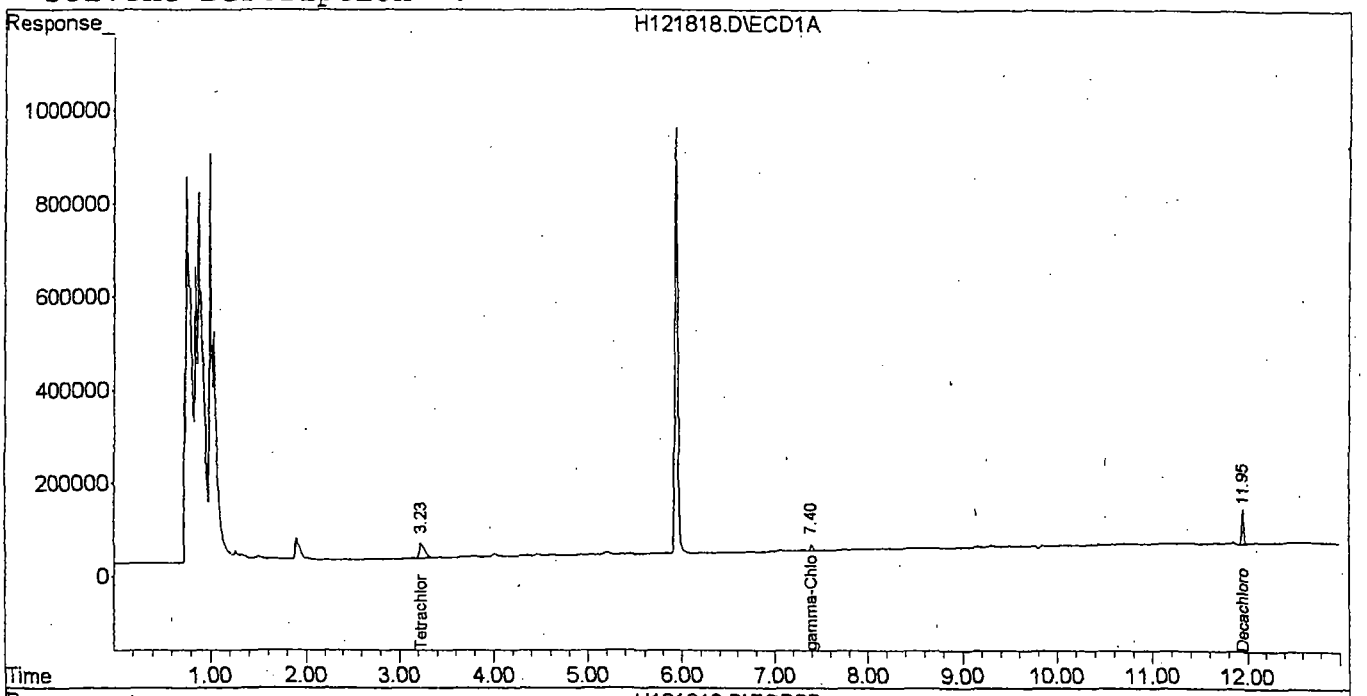
030007

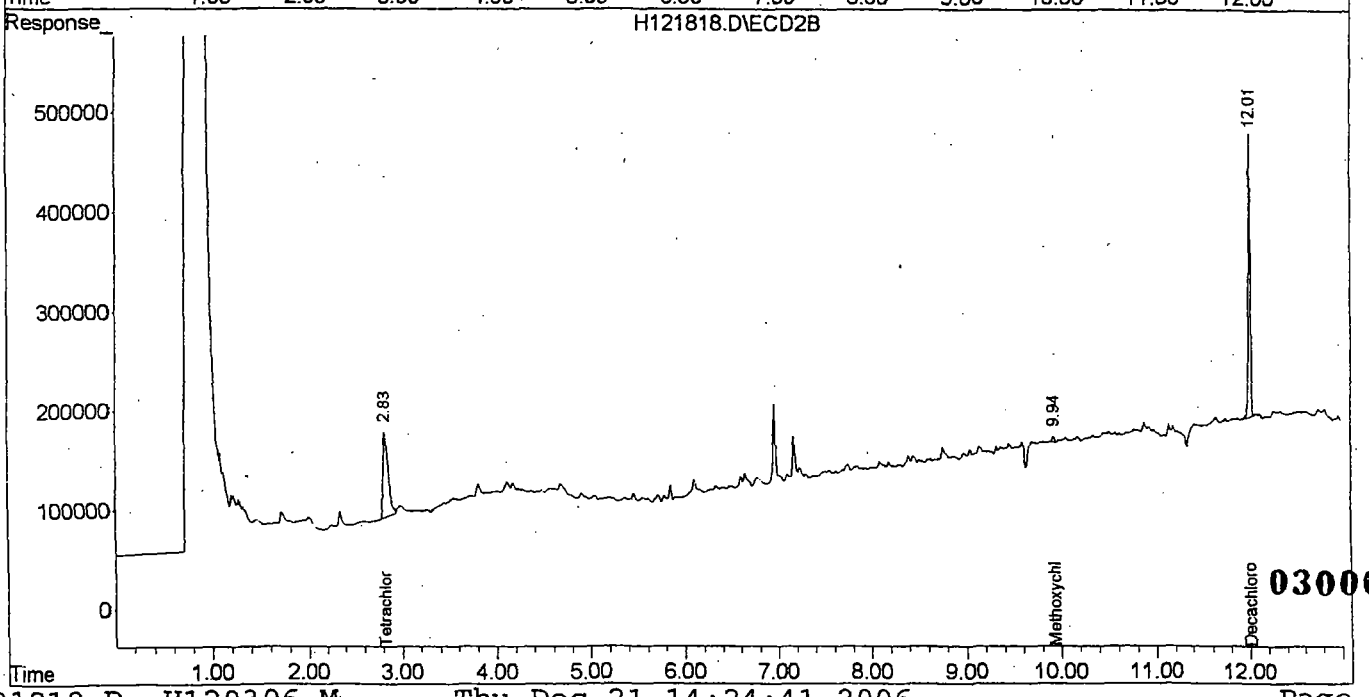
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Signal #1 : U:\DATAH\H121806\H121818.D\ECD1A.CH Vial: 95
Signal #2 : U:\DATAH\H121806\H121818.D\ECD2B.CH
Acq On : 18 Dec 2006 3:55 pm Operator:
Sample : 20489238 Inst : GCSV H
Misc : 79516 1:1 Multiplr: 1.00
IntFile Signal #1: PEST1.E IntFile Signal #2: PEST2.E
Quant Time: Dec 21 14:21 2006 Quant Results File: H120306.RES

Quant Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix
Last Update : Tue Dec 19 15:56:30 2006
Response via : Multiple Level Calibration
RT via : U:\DATAH\H121806\H121812.D

Instrument Type :
Column Type :
Solvent Description :




030008

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**PESTICIDES**

**QC SUMMARY**

**SDG: 2064976**

Pace Analytical®
New Orleans Laboratory

# Report of Batch Surrogate Recovery

*Pace Analytical Services, Inc.*
*1000 Riverbend Blvd. Suite F*
*St. Rose , LA 70087*

*Phone: 504.469.0333*
*Fax: 504.469.0555*
*LELAP # 02006*

**Report: 2064976** **Batch: 79516**

| Lab ID | Type and Qualifiers | Sur 1 %Rec | Sur 2 %Rec | Sur 3 %Rec | Sur 4 %Rec | Sur 5 %Rec | Sur 6 %Rec | Sur 7 %Rec | Sur 8 %Rec |
|---|---|---|---|---|---|---|---|---|---|
| 20487405 | OQS | 74 | 58 | 54 | 58 | | | | |
| 20487818 | BLANK | 76 | 73 | 48 | 51 | | | | |
| 20487819 | LCS | 69 | 74 | 54 | 52 | | | | |
| 20487820 | MS | 75 | 70 | 60 | 56 | | | | |
| 20487821 | MSD | 46 | 33 | 34 | 37 | | | | |
| 20489238 | Sample | 69 | 70 | 53 | 60 | | | | |
| 20489672 | BLANK | 69 | 72 | 56 | 65 | | | | |
| 20489673 | LCS | 61 | 65 | 57 | 58 | | | | |
| | QC limits: | 10-157 | 10-157 | 18-171 | 18-171 | | | | |

Sur 1: Decachlorobiphenyl (Conf)(S)
Sur 2: Decachlorobiphenyl (S)
Sur 3: Tetrachloro-m-xylene (Conf)(S)
Sur 4: Tetrachloro-m-xylene (S)

* denotes surrogate recovery outside of QC limits.
D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.
A Lab ID consisting of a batch number with a B suffix is a method blank.
A Lab ID consisting of a batch number with a S suffix is an LCS.
A Lab ID with a MS suffix is a matrix spike.
A Lab ID with a MSD suffix is a matrix spike duplicate.

1/5/2007 10:15:15

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*Louisiana Dept. of Environmental Quality (LELAP) - 02006*
*Arkansas Dept. of Environmental Quality - 88-0681*
*Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023*
*Florida Dept. of Health (NELAC) - E87595*
*Kansas Dept. of Health Environment - E-10266*
*U.S. Dept. of Agriculture Foreign Soil Permit - S-47270*

Pace Analytical®
New Orleans Laboratory

# Report of Quality Control

*Pace Analytical Services, Inc.*
*1000 Riverbend Blvd. Suite F*
*St. Rose , LA 70087*

*Phone: 504.469.0333*
*Fax: 504.469.0555*
*LELAP # 02006*

**Method:** EPA 8081 **Project:** 2064976 **LCS:** 20489673 12/18/2006 12:29:00 P

**Batch:** 79516 **MS:** 20487820 12/15/2006 9:40:00 PM

**Units:** ug/L **Original for MS:** 20487405 Batch Sample

| Parameter Name | LCS Spike | LCS %Rec | LCSD %Rec | LCS RPD | MS Spike | MS %Rec | MSD %Rec | (1)MS RPD | QC Limits LCS | QC Limits MS/MSD | Max RPD | Qu |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aldrin | 0.5 | 60 | | | 0.5 | 83 | 42 | 65 * | 40 - 149 | 10 - 169 | 20 | |
| alpha-BHC | 0.5 | 82 | | | 0.5 | 90 | 53 | 51 * | 24 - 157 | 10 - 173 | 20 | |
| beta-BHC | 0.5 | 88 | | | 0.5 | 86 | 64 | 30 * | 34 - 172 | 10 - 190 | 20 | |
| delta-BHC | 0.5 | 99 | | | 0.5 | 109 | 71 | 42 * | 41 - 169 | 16 - 187 | 20 | |
| gamma-BHC (Lindane) | 0.5 | 86 | | | 0.5 | 97 | 56 | 55 * | 39 - 153 | 18 - 171 | 20 | |
| alpha-Chlordane | 0.5 | 79 | | | 0.5 | 85 | 49 | 54 * | 44 - 139 | 22 - 147 | 20 | |
| gamma-Chlordane | 0.5 | 79 | | | 0.5 | 86 | 52 | 50 * | 44 - 139 | 11 - 168 | 20 | |
| 4,4'-DDD | 0.5 | 74 | | | 0.5 | 86 | 53 | 47 * | 41 - 154 | 11 - 172 | 20 | |
| 4,4'-DDE | 0.5 | 64 | | | 0.5 | 79 | 46 | 52 * | 47 - 142 | 10 - 167 | 20 | |
| 4,4'-DDT | 0.5 | 81 | | | 0.5 | 93 | 62 | 39 * | 34 - 164 | 10 - 174 | 20 | |
| Dieldrin | 0.5 | 81 | | | 0.5 | 87 | 53 | 48 * | 43 - 147 | 22 - 164 | 20 | |
| Endosulfan I | 0.5 | 77 | | | 0.5 | 76 | 46 | 50 * | 25 - 137 | 10 - 148 | 20 | |
| Endosulfan II | 0.5 | 81 | | | 0.5 | 83 | 51 | 48 * | 30 - 142 | 15 - 153 | 20 | |
| Endosulfan sulfate | 0.5 | 84 | | | 0.5 | 97 | 60 | 47 * | 42 - 155 | 22 - 167 | 20 | |
| Endrin | 0.5 | 97 | | | 0.5 | 107 | 64 | 50 * | 49 - 171 | 30 - 187 | 20 | |
| Endrin aldehyde | 0.5 | 87 | | | 0.5 | 103 | 60 | 53 * | 23 - 179 | 10 - 174 | 20 | |
| Endrin ketone | 0.5 | 79 | | | 0.5 | 87 | 53 | 48 * | 38 - 150 | 25 - 161 | 20 | |
| Heptachlor | 0.5 | 78 | | | 0.5 | 79 | 49 | 46 * | 33 - 152 | 14 - 159 | 20 | |
| Heptachlor epoxide | 0.5 | 82 | | | 0.5 | 87 | 53 | 49 * | 45 - 144 | 24 - 158 | 20 | |
| Methoxychlor | 0.5 | 85 | | | 0.5 | 112 | 67 | 51 * | 19 - 178 | 10 - 194 | 20 | |

**20 compound(s) reported**

* denotes recovery outside of QC limits.
MS spike concentrations are not corrected for moisture content of the spiked sample.
(1) MS RPD is calculated via SW-846 rules: on the basis of spiked sample concentrations rather than spike recoveries.

1/5/2007 10:15:12

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*Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023*
*Florida Dept. of Health (NELAC) - E87595*
*Kansas Dept. of Health Environment - E-10266*
*U.S. Dept. of Agriculture Foreign Soil Permit - S-47270*

# Form 4x

## METHOD BLANK SUMMARY

CLP Style Form IV

Sample ID : **79516 BLANK 2**
Lab ID : **20489672**
Project: **2064976**

Batch: **79516**
Lab File ID: **H121814.D**
Analysis Time: **12/18/2006 12:12**

| Client Sample ID | Lab Sample ID | Lab File ID | Analysis Date | Analysis Time |
|---|---|---|---|---|
| 79516 LCS 2 | 20489673 | H121815.D | 12/18/2006 | 12:29 |
| 2WSW6-EPA | 20489238 | H121818.D | 12/18/2006 | 15:55 |

Comments:

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**PESTICIDES**

**STANDARDS DATA**

**SDG: 2064976**

FORM 7-E

PEM Breakdown Report SW

Signal #1 : U:\DATAH\H120306\H120303.D\ECD1A.CH Vial: 3
Signal #2 : U:\DATAH\H120306\H120303.D\ECD2B.CH
Acq On : 3 Dec 2006 10:07 am Operator:
Sample : 576-33-PEM Inst : GCSV H
Misc : Multiplr: 1.00
IntFile Signal #1: PEST1.E IntFile Signal #2: PEST2.E
Quant Time: Dec 6 13:01 2006 Quant Results File: H120306.RES

Quant Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix
Last Update : Wed Dec 06 13:00:27 2006
Response via :
RT via : U:\DATAH\H120306\H120306.D

Instrument Type :
Column Type :
Solvent Description :

-------- Column A ----------
Endrin breakdown % 4.755 Maximum 15%
DDT breakdown % 5.645 Maximum 15%

-------- Column B ----------
Endrin breakdown % 5.658 Maximum 15%
DDT breakdown % 6.351 Maximum 15%

Quantitation Report (QT Reviewed)

Signal #1 : U:\DATAH\H120306\H120303.D\ECD1A.CH Vial: 3
Signal #2 : U:\DATAH\H120306\H120303.D\ECD2B.CH
Acq On : 3 Dec 2006 10:07 am Operator:
Sample : 576-33-PEM Inst : GCSV H
Misc : Multiplr: 1.00
IntFile Signal #1: PEST1.E IntFile Signal #2: PEST2.E
Quant Time: Dec 6 13:01 2006 Quant Results File: H120306.RES

Quant Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix
Last Update : Wed Dec 06 13:00:27 2006
Response via : Initial Calibration
RT via : U:\DATAH\H120306\H120306.D

REVIEWED
DEC 12 2006

Instrument Type :
Column Type :
Solvent Description :

| | | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | PPB | PPB |
|---|---|---|---|---|---|---|---|---|
| | | System Monitoring Compounds | | | | | | |
| 1) | S | Tetrachloro-m-xy | 3.134 | 2.747 | 2638503 | 8306541 | 24.336 | 25.569 |
| 25) | S | Decachlorobiphen | 11.929 | 12.002 | 2138486 | 7791153 | 24.972 | 25.072 |
| | | Target Compounds | | | | | | |
| 2) | T | alpha-BHC | 4.257 | 3.956 | 1138610 | 4225897 | 9.041 | 9.393 |
| 3) | T | gamma-BHC | 4.852 | 4.605 | 1029514 | 3718315 | 8.744 | 9.583m |
| 4) | T | beta-BHC | 5.029 | 4.778 | 532218 | 1820340 | 9.929 | 10.005 |
| 14) | T | 4,4'-DDE | 7.711 | 7.609 | 66425 | 295200 | 0.620m | 0.801 |
| 17) | T | Endrin | 8.490 | 8.230 | 4229239 | 14985844 | 52.763 | 53.990 |
| 18) | T | 4,4'-DDD | 8.616 | 8.461 | 320335 | 1180849 | 3.748 | 3.816 |
| 19) | T | Endosulfan II | 0.000 | 8.555 | 0 | 27108 | N.D. | 0.083m# |
| 20) | T | 4,4'-DDT | 9.024 | 8.911 | 6465173 | 21766357 | 85.561 | 95.679 |
| 21) | T | Endrin aldehyde | 9.460 | 9.050 | 74639 | 383702 | 1.167m | 1.728 |
| 22) | T | Methoxychlor | 9.747 | 9.926 | 8737337 | 27513478 | 236.712m | 237.447m |
| 23) | T | Endosulfan Sulfa | 0.000 | 9.451 | 0 | 12803 | N.D. | 0.044m# |
| 24) | T | Endrin ketone | 10.498 | 10.197 | 136502 | 515102 | 1.260m | 1.430 |

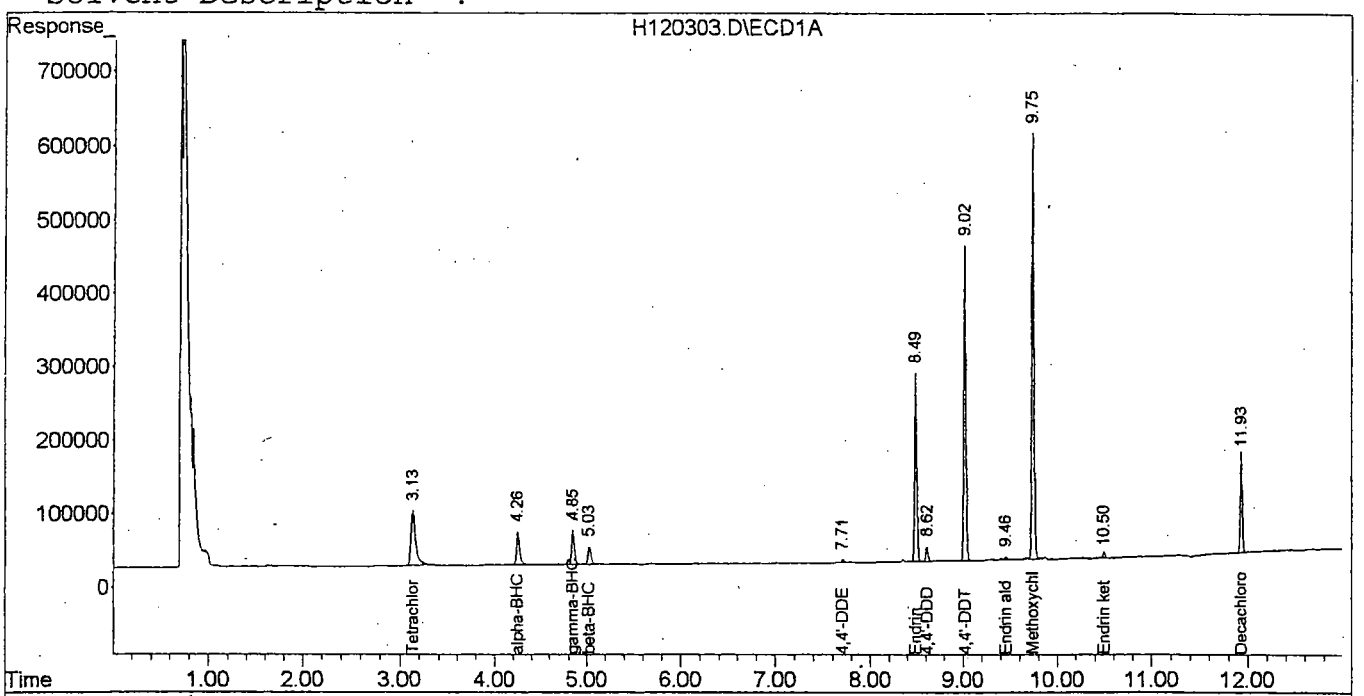
030011

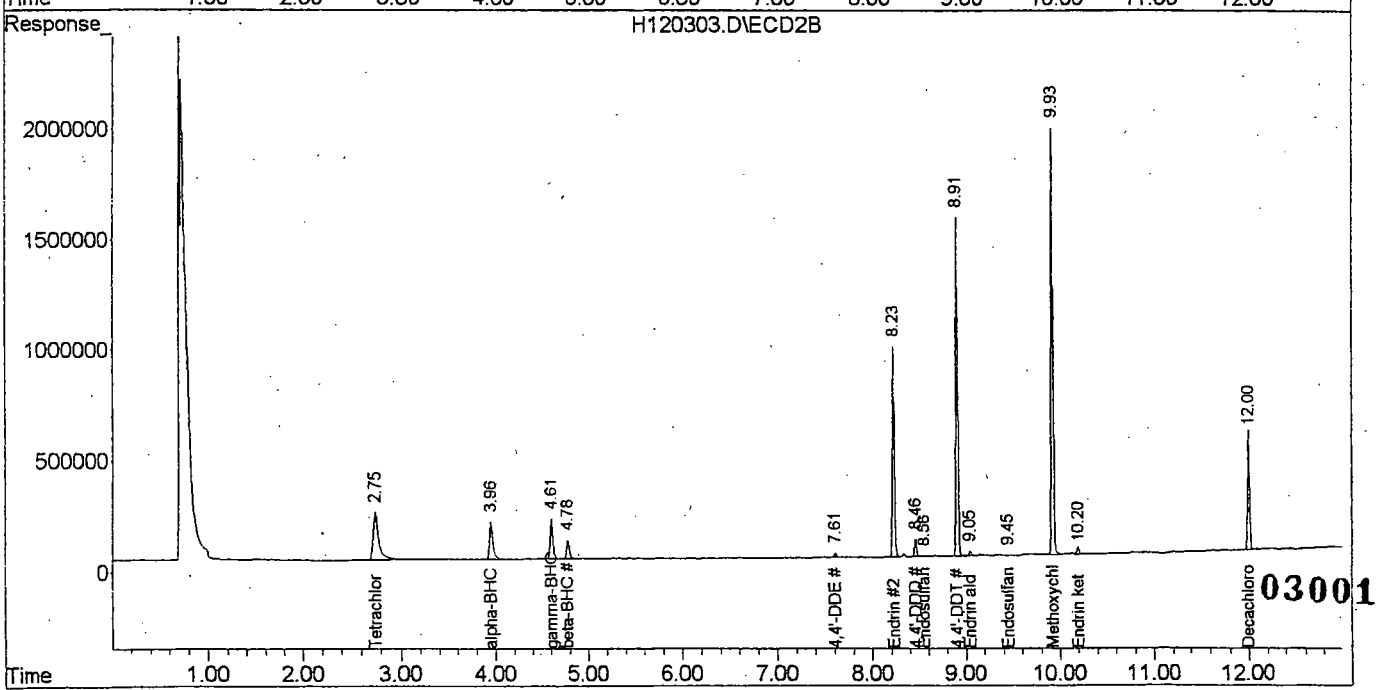
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Signal #1 : U:\DATAH\H120306\H120303.D\ECD1A.CH Vial: 3
Signal #2 : U:\DATAH\H120306\H120303.D\ECD2B.CH
Acq On : 3 Dec 2006 10:07 am Operator:
Sample : 576-33-PEM Inst : GCSV H
Misc : Multiplr: 1.00
IntFile Signal #1: PEST1.E IntFile Signal #2: PEST2.E
Quant Time: Dec 6 13:01 2006 Quant Results File: H120306.RES

Quant Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix
Last Update : Wed Dec 06 13:00:27 2006
Response via : Multiple Level Calibration
RT via : U:\DATAH\H120306\H120306.D

Instrument Type :
Column Type :
Solvent Description :




030012

FORM 6-F
Response Factor Report

Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix
Last Update : Wed Dec 06 12:58:20 2006

Calibration Files
1 =H120304.D 2 =H120305.D 3 =H120306.D
4 =H120307.D 5 =H120308.D

Column A

| | | Compound | 1 | 2 | 3 | 4 | 5 | Avg | | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|
| 1) | S | Tetrachloro-m-xylene | 1.027 | 1.036 | 1.117 | 1.087 | 1.155 | 1.084 | E5 | 5.00 |
| 2) | T | alpha-BHC | 1.179 | 1.174 | 1.218 | 1.258 | 1.468 | 1.259 | E5 | 9.63 |
| 3) | T | gamma-BHC | 1.130 | 1.123 | 1.141 | 1.173 | 1.320 | 1.177 | E5 | 6.97 |
| 4) | T | beta-BHC | 5.575 | 5.482 | 5.554 | 5.096 | 5.096 | 5.360 | E4 | 4.55 |
| 5) | T | delta-BHC | 1.047 | 1.025 | 1.106 | 1.080 | 1.246 | 1.101 | E5 | 7.90 |
| 6) | T | Heptachlor | 1.061 | 1.016 | 1.019 | 1.013 | 1.132 | 1.048 | E5 | 4.85 |
| 7) | T | Aldrin | 1.102 | 1.076 | 1.144 | 1.107 | 1.208 | 1.127 | E5 | 4.55 |
| 8) | T | Heptachlor epoxide | 1.091 | 1.038 | 1.069 | 1.012 | 1.063 | 1.054 | E5 | 2.89 |
| 9) | T | gamma-Chlordane | 1.044 | 1.002 | 1.033 | 0.989 | 1.085 | 1.031 | E5 | 3.67 |
| 10) | T | alpha-Chlordane | 1.051 | 1.024 | 1.063 | 1.009 | 1.077 | 1.045 | E5 | 2.69 |
| 11) | L1 | Chlordane {1} | | | | | | 0.000 | 0 | 0.00 |
| 12) | L1 | Chlordane {2} | | | | | | 0.000 | 0 | 0.00 |
| 13) | L1 | Chlordane TOTAL | 1.047 | 1.013 | 1.048 | 0.999 | 1.081 | 1.038 | E5 | 3.13 |
| 14) | T | 4,4'-DDE | 1.000 | 1.003 | 1.091 | 1.075 | 1.185 | 1.071 | E5 | 7.08 |
| 15) | T | Endosulfan I | 1.085 | 1.038 | 1.035 | 1.025 | 1.115 | 1.059 | E5 | 3.63 |
| 16) | T | Dieldrin | 1.030 | 1.003 | 1.023 | 1.041 | 1.157 | 1.051 | E5 | 5.79 |
| 17) | T | Endrin | 8.001 | 7.660 | 7.835 | 7.872 | 8.711 | 8.016 | E4 | 5.08 |
| 18) | T | 4,4'-DDD | 8.190 | 8.057 | 8.369 | 8.505 | 9.614 | 8.547 | E4 | 7.26 |
| 19) | T | Endosulfan II | 9.344 | 8.975 | 9.422 | 8.874 | 9.496 | 9.222 | E4 | 3.03 |
| 20) | T | 4,4'-DDT | 5.997 | 6.097 | 6.450 | 6.720 | 8.141 | 6.681 | E4 | 12.95 |
| | | | | | | | Linear M= | 8.298 | R=0.999 | |
| | | | | | | | | B=-65.289 | | |
| 21) | T | Endrin aldehyde | 6.524 | 6.050 | 6.540 | 6.195 | 6.682 | 6.398 | E4 | 4.13 |
| 22) | T | Methoxychlor | 3.633 | 3.558 | 3.623 | 3.618 | 4.024 | 3.691 | E4 | 5.11 |
| 23) | T | Endosulfan Sulfate | 8.882 | 8.488 | 8.799 | 8.286 | 8.738 | 8.639 | E4 | 2.85 |
| 24) | T | Endrin ketone | 1.075 | 1.052 | 1.106 | 1.060 | 1.123 | 1.083 | E5 | 2.82 |
| 25) | S | Decachlorobiphenyl | 8.800 | 8.355 | 8.597 | 8.242 | 8.824 | 8.564 | E4 | 3.05 |
| | | | | | | | Total Average %RSD | | | 5.16 |

**030013**

(#) = Out of Range

# Response Factor Report

Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix
Last Update : Wed Dec 06 12:58:20 2006

Calibration Files
1 =H120304.D 2 =H120305.D 3 =H120306.D
4 =H120307.D 5 =H120308.D

Column B

| | | Compound | 1 | 2 | 3 | 4 | 5 | Avg | | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|
| 1) | S | Tetrachloro-m-xylene | 3.308 | 3.268 | 3.307 | 3.155 | 3.205 | 3.249 | E5 | 2.07 |
| 2) | T | alpha-BHC | 4.420 | 4.284 | 4.418 | 4.473 | 4.900 | 4.499 | E5 | 5.22 |
| 3) | T | gamma-BHC | 3.900 | 3.742 | 3.829 | 3.814 | 4.117 | 3.880 | E5 | 3.70 |
| 4) | T | beta-BHC | 1.955 | 1.823 | 1.864 | 1.715 | 1.740 | 1.819 | E5 | 5.31 |
| 5) | T | delta-BHC | 3.714 | 3.565 | 3.875 | 3.725 | 4.007 | 3.777 | E5 | 4.47 |
| 6) | T | Heptachlor | 3.662 | 3.483 | 3.621 | 3.551 | 3.818 | 3.627 | E5 | 3.49 |
| 7) | T | Aldrin | 4.056 | 3.842 | 4.107 | 3.913 | 4.019 | 3.988 | E5 | 2.71 |
| 8) | T | Heptachlor epoxide | 3.800 | 3.601 | 3.769 | 3.518 | 3.527 | 3.643 | E5 | 3.67 |
| 9) | T | gamma-Chlordane#2 | 3.754 | 3.568 | 3.771 | 3.574 | 3.683 | 3.670 | E5 | 2.63 |
| 10) | T | alpha-Chlordane#2 | 3.893 | 3.685 | 3.857 | 3.648 | 3.669 | 3.750 | E5 | 3.07 |
| 11) | L1 | Chlordane {1} | | | | | | 0.000 | 0 | 0.00 |
| 12) | L1 | Chlordane {2} | | | | | | 0.000 | 0 | 0.00 |
| 13) | L1 | Chlordane TOTAL | 3.823 | 3.623 | 3.822 | 3.611 | 3.676 | 3.711 | E5 | 2.82 |
| 14) | T | 4,4'-DDE | 3.713 | 3.615 | 3.834 | 3.632 | 3.635 | 3.686 | E5 | 2.47 |
| 15) | T | Endosulfan I #3 | 3.642 | 3.449 | 3.478 | 3.439 | 3.529 | 3.507 | E5 | 2.37 |
| 16) | T | Dieldrin | 3.709 | 3.629 | 3.666 | 3.625 | 3.684 | 3.662 | E5 | 0.99 |
| 17) | T | Endrin | 2.878 | 2.772 | 2.758 | 2.708 | 2.762 | 2.776 | E5 | 2.25 |
| 18) | T | 4,4'-DDD | 3.101 | 3.057 | 3.085 | 3.059 | 3.170 | 3.094 | E5 | 1.50 |
| 19) | T | Endosulfan II | 3.361 | 3.291 | 3.397 | 3.154 | 3.110 | 3.263 | E5 | 3.87 |
| 20) | T | 4,4'-DDT | 2.099 | 2.146 | 2.247 | 2.300 | 2.582 | 2.275 | E5 | 8.32 |
| 21) | T | Endrin aldehyde | 2.335 | 2.166 | 2.273 | 2.161 | 2.164 | 2.220 | E5 | 3.60 |
| 22) | T | Methoxychlor | 1.163 | 1.139 | 1.156 | 1.129 | 1.207 | 1.159 | E5 | 2.61 |
| 23) | T | Endosulfan Sulfate #3 | 3.010 | 2.906 | 3.039 | 2.831 | 2.800 | 2.917 | E5 | 3.63 |
| 24) | T | Endrin ketone | 3.665 | 3.541 | 3.749 | 3.539 | 3.517 | 3.602 | E5 | 2.80 |
| 25) | S | Decachlorobiphenyl | 3.211 | 3.098 | 3.162 | 2.982 | 3.084 | 3.108 | E5 | 2.78 |
| | | | | | | | | Total Average %RSD | | 3.32 |

030014

(#) = Out of Range

# Calibration Retention Time Report GCSV H

Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix
Last Update : Wed Dec 06 12:58:20 2006
Response via : Initial Calibration

First Calibration Standard : H120304.D
Second Calibration Standard : H120305.D
Third Calibration Standard : H120306.D
Fourth Calibration Standard : H120307.D
Fifth Calibration Standard : H120308.D

Column A

| | Compound | RT of Standard | | | | | Mid-Point | RT Window | |
|---|---|---|---|---|---|---|---|---|---|
| | | First | Second | Third | Fourth | Fifth | RT | From | To |
| 1 | Tetrachloro-m-xyl | 3.135 | 3.133 | 3.135 | 3.134 | 3.135 | 3.135 | 3.110 | 3.160 |
| 2 | alpha-BHC | 4.258 | 4.257 | 4.259 | 4.259 | 4.259 | 4.259 | 4.237 | 4.281 |
| 3 | gamma-BHC | 4.852 | 4.851 | 4.853 | 4.853 | 4.855 | 4.853 | 4.831 | 4.875 |
| 4 | beta-BHC | 5.029 | 5.029 | 5.030 | 5.030 | 5.031 | 5.030 | 5.008 | 5.052 |
| 5 | delta-BHC | 5.337 | 5.338 | 5.339 | 5.339 | 5.340 | 5.339 | 5.317 | 5.361 |
| 6 | Heptachlor | 5.678 | 5.678 | 5.680 | 5.680 | 5.681 | 5.680 | 5.658 | 5.702 |
| 7 | Aldrin | 6.178 | 6.179 | 6.180 | 6.180 | 6.181 | 6.180 | 6.158 | 6.202 |
| 8 | Heptachlor epoxid | 7.170 | 7.171 | 7.173 | 7.172 | 7.173 | 7.173 | 7.153 | 7.193 |
| 9 | gamma-Chlordane | 7.363 | 7.364 | 7.365 | 7.365 | 7.366 | 7.365 | 7.345 | 7.385 |
| 10 | alpha-Chlordane | 7.569 | 7.570 | 7.571 | 7.572 | 7.572 | 7.571 | 7.551 | 7.591 |
| 11 | Chlordane (1) | 7.363 | 7.364 | 7.365 | 7.365 | 7.366 | 7.365 | 7.345 | 7.385 |
| 12 | Chlordane (2) | 7.569 | 7.570 | 7.571 | 7.572 | 7.572 | 7.571 | 7.551 | 7.591 |
| 13 | Chlordane TOTAL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.020 |
| 14 | 4,4'-DDE | 7.711 | 7.712 | 7.714 | 7.714 | 7.714 | 7.714 | 7.694 | 7.734 |
| 15 | Endosulfan I | 7.777 | 7.777 | 7.779 | 7.779 | 7.779 | 7.779 | 7.759 | 7.799 |
| 16 | Dieldrin | 8.143 | 8.144 | 8.145 | 8.145 | 8.146 | 8.145 | 8.125 | 8.165 |
| 17 | Endrin | 8.490 | 8.492 | 8.492 | 8.492 | 8.493 | 8.492 | 8.472 | 8.512 |
| 18 | 4,4'-DDD | 8.615 | 8.616 | 8.617 | 8.617 | 8.617 | 8.617 | 8.597 | 8.637 |
| 19 | Endosulfan II | 8.832 | 8.832 | 8.833 | 8.833 | 8.833 | 8.833 | 8.813 | 8.853 |
| 20 | 4,4'-DDT | 9.023 | 9.024 | 9.025 | 9.026 | 9.025 | 9.025 | 9.005 | 9.045 |
| 21 | Endrin aldehyde | 9.457 | 9.458 | 9.458 | 9.458 | 9.458 | 9.458 | 9.438 | 9.478 |
| 22 | Methoxychlor | 9.748 | 9.748 | 9.749 | 9.749 | 9.748 | 9.749 | 9.729 | 9.769 |
| 23 | Endosulfan Sulfat | 10.094 | 10.094 | 10.095 | 10.095 | 10.095 | 10.095 | 10.075 | 10.115 |
| 24 | Endrin ketone | 10.498 | 10.498 | 10.500 | 10.500 | 10.498 | 10.500 | 10.480 | 10.520 |
| 25 | Decachlorobipheny | 11.929 | 11.929 | 11.930 | 11.930 | 11.929 | 11.930 | 11.905 | 11.955 |

**030015**

# Calibration Retention Time Report GCSV H

Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix
Last Update : Wed Dec 06 12:58:20 2006
Response via : Initial Calibration

First Calibration Standard : H120304.D
Second Calibration Standard : H120305.D
Third Calibration Standard : H120306.D
Fourth Calibration Standard : H120307.D
Fifth Calibration Standard : H120308.D

Column B

| | Compound | RT of Standard | | | | | Mid-Point | RT Window | |
|---|---|---|---|---|---|---|---|---|---|
| | | First | Second | Third | Fourth | Fifth | RT | From | To |
| 1 | Tetrachloro-m-xyl | 2.749 | 2.747 | 2.748 | 2.748 | 2.749 | 2.748 | 2.723 | 2.773 |
| 2 | alpha-BHC #2 | 3.958 | 3.957 | 3.959 | 3.959 | 3.960 | 3.959 | 3.937 | 3.981 |
| 3 | gamma-BHC #2 | 4.606 | 4.607 | 4.608 | 4.609 | 4.610 | 4.608 | 4.586 | 4.630 |
| 4 | beta-BHC #2 | 4.779 | 4.779 | 4.780 | 4.781 | 4.781 | 4.780 | 4.758 | 4.802 |
| 5 | delta-BHC #2 | 5.274 | 5.274 | 5.275 | 5.276 | 5.277 | 5.275 | 5.253 | 5.297 |
| 6 | Heptachlor #2 | 5.354 | 5.354 | 5.355 | 5.355 | 5.357 | 5.355 | 5.333 | 5.377 |
| 7 | Aldrin #2 | 5.872 | 5.873 | 5.875 | 5.876 | 5.877 | 5.875 | 5.853 | 5.897 |
| 8 | Heptachlor epoxid | 6.791 | 6.791 | 6.793 | 6.793 | 6.794 | 6.793 | 6.773 | 6.813 |
| 9 | gamma-Chlordane#2 | 7.084 | 7.084 | 7.086 | 7.087 | 7.087 | 7.086 | 7.066 | 7.106 |
| 10 | alpha-Chlordane#2 | 7.309 | 7.310 | 7.311 | 7.312 | 7.312 | 7.311 | 7.291 | 7.331 |
| 11 | Chlordane {1} #2 | 7.084 | 7.084 | 7.086 | 7.087 | 7.087 | 7.086 | 7.066 | 7.106 |
| 12 | Chlordane {2} #2 | 7.309 | 7.310 | 7.311 | 7.312 | 7.312 | 7.311 | 7.291 | 7.331 |
| 13 | Chlordane TOTAL # | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.020 |
| 14 | 4,4'-DDE #2 | 7.609 | 7.610 | 7.611 | 7.611 | 7.612 | 7.611 | 7.591 | 7.631 |
| 15 | Endosulfan I #3 | 7.377 | 7.378 | 7.379 | 7.380 | 7.380 | 7.379 | 7.359 | 7.399 |
| 16 | Dieldrin #2 | 7.789 | 7.790 | 7.792 | 7.792 | 7.792 | 7.792 | 7.772 | 7.812 |
| 17 | Endrin #2 | 8.231 | 8.232 | 8.232 | 8.232 | 8.234 | 8.232 | 8.212 | 8.252 |
| 18 | 4,4'-DDD #2 | 8.461 | 8.462 | 8.463 | 8.463 | 8.464 | 8.463 | 8.443 | 8.483 |
| 19 | Endosulfan II #2 | 8.550 | 8.551 | 8.552 | 8.552 | 8.552 | 8.552 | 8.532 | 8.572 |
| 20 | 4,4'-DDT #2 | 8.911 | 8.913 | 8.914 | 8.914 | 8.915 | 8.914 | 8.894 | 8.934 |
| 21 | Endrin aldehyde # | 9.047 | 9.048 | 9.049 | 9.049 | 9.049 | 9.049 | 9.029 | 9.069 |
| 22 | Methoxychlor #2 | 9.928 | 9.928 | 9.929 | 9.929 | 9.929 | 9.929 | 9.909 | 9.949 |
| 23 | Endosulfan Sulfat | 9.450 | 9.450 | 9.451 | 9.451 | 9.451 | 9.451 | 9.431 | 9.471 |
| 24 | Endrin ketone #2 | 10.199 | 10.200 | 10.201 | 10.201 | 10.200 | 10.201 | 10.181 | 10.221 |
| 25 | Decachlorobipheny | 12.002 | 12.002 | 12.003 | 12.003 | 12.003 | 12.003 | 11.978 | 12.028 |

030016

Concentration Report for H120306.M

Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix

COLUMN A — Calibration Levels

| | compound name | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|---|
| 1 | Tetrachloro-m-x | 10.000 | 20.000 | 40.000 | 80.000 | 320.0 |
| 2 | alpha-BHC | 5.000 | 10.000 | 20.000 | 40.000 | 160.0 |
| 3 | gamma-BHC | 5.000 | 10.000 | 20.000 | 40.000 | 160.0 |
| 4 | beta-BHC | 5.000 | 10.000 | 20.000 | 40.000 | 160.0 |
| 5 | delta-BHC | 5.000 | 10.000 | 20.000 | 40.000 | 160.0 |
| 6 | Heptachlor | 5.000 | 10.000 | 20.000 | 40.000 | 160.0 |
| 7 | Aldrin | 5.000 | 10.000 | 20.000 | 40.000 | 160.0 |
| 8 | Heptachlor epox | 5.000 | 10.000 | 20.000 | 40.000 | 160.0 |
| 9 | gamma-Chlordane | 5.000 | 10.000 | 20.000 | 40.000 | 160.0 |
| 10 | alpha-Chlordane | 5.000 | 10.000 | 20.000 | 40.000 | 160.0 |
| 11 | Chlordane {1} | -1.000 | -1.000 | -1.000 | -1.000 | -1.000 |
| 12 | Chlordane {2} | -1.000 | -1.000 | -1.000 | -1.000 | -1.000 |
| 13 | Chlordane TOTAL | 10.000 | 20.000 | 40.000 | 80.000 | 320.0 |
| 14 | 4,4'-DDE | 10.000 | 20.000 | 40.000 | 80.000 | 320.0 |
| 15 | Endosulfan I | 5.000 | 10.000 | 20.000 | 40.000 | 160.0 |
| 16 | Dieldrin | 10.000 | 20.000 | 40.000 | 80.000 | 320.0 |
| 17 | Endrin | 10.000 | 20.000 | 40.000 | 80.000 | 320.0 |
| 18 | 4,4'-DDD | 10.000 | 20.000 | 40.000 | 80.000 | 320.0 |
| 19 | Endosulfan II | 10.000 | 20.000 | 40.000 | 80.000 | 320.0 |
| 20 | 4,4'-DDT | 10.000 | 20.000 | 40.000 | 80.000 | 320.0 |
| 21 | Endrin aldehyde | 10.000 | 20.000 | 40.000 | 80.000 | 320.0 |
| 22 | Methoxychlor | 50.000 | 100.0 | 200.0 | 400.0 | 1600.0 |
| 23 | Endosulfan Sulf | 10.000 | 20.000 | 40.000 | 80.000 | 320.0 |
| 24 | Endrin ketone | 10.000 | 20.000 | 40.000 | 80.000 | 320.0 |
| 25 | Decachlorobiphe | 20.000 | 40.000 | 80.000 | 160.0 | 640.0 |

Concentration Report for H120306.M

Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix

COLUMN B — Calibration Levels

| | compound name | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|---|
| 1 | Tetrachloro-m-x | 10.000 | 20.000 | 40.000 | 80.000 | 320.0 |
| 2 | alpha-BHC | 5.000 | 10.000 | 20.000 | 40.000 | 160.0 |
| 3 | gamma-BHC | 5.000 | 10.000 | 20.000 | 40.000 | 160.0 |
| 4 | beta-BHC | 5.000 | 10.000 | 20.000 | 40.000 | 160.0 |
| 5 | delta-BHC | 5.000 | 10.000 | 20.000 | 40.000 | 160.0 |
| 6 | Heptachlor | 5.000 | 10.000 | 20.000 | 40.000 | 160.0 |
| 7 | Aldrin | 5.000 | 10.000 | 20.000 | 40.000 | 160.0 |
| 8 | Heptachlor epox | 5.000 | 10.000 | 20.000 | 40.000 | 160.0 |
| 35 | gamma-Chlordane | 5.000 | 10.000 | 20.000 | 40.000 | 160.0 |
| 36 | alpha-Chlordane | 5.000 | 10.000 | 20.000 | 40.000 | 160.0 |
| 37 | Chlordane {1} | -1.000 | -1.000 | -1.000 | -1.000 | -1.000 |
| 38 | Chlordane {2} | -1.000 | -1.000 | -1.000 | -1.000 | -1.000 |
| 39 | Chlordane TOTAL | 10.000 | 20.000 | 40.000 | 80.000 | 320.0 |
| 40 | 4,4'-DDE | 10.000 | 20.000 | 40.000 | 80.000 | 320.0 |
| 41 | Endosulfan I | 5.000 | 10.000 | 20.000 | 40.000 | 160.0 |
| 42 | Dieldrin | 10.000 | 20.000 | 40.000 | 80.000 | 320.0 |
| 43 | Endrin | 10.000 | 20.000 | 40.000 | 80.000 | 320.0 |
| 44 | 4,4'-DDD | 10.000 | 20.000 | 40.000 | 80.000 | 320.0 |
| 45 | Endosulfan II | 10.000 | 20.000 | 40.000 | 80.000 | 320.0 |
| 46 | 4,4'-DDT | 10.000 | 20.000 | 40.000 | 80.000 | 320.0 |
| 47 | Endrin aldehyde | 10.000 | 20.000 | 40.000 | 80.000 | 320.0 |
| 48 | Methoxychlor | 50.000 | 100.0 | 200.0 | 400.0 | 1600.0 |
| 49 | Endosulfan Sulf | 10.000 | 20.000 | 40.000 | 80.000 | 320.0 |
| 50 | Endrin ketone | 10.000 | 20.000 | 40.000 | 80.000 | 320.0 |
| 51 | Decachlorobiphe | 20.000 | 40.000 | 80.000 | 160.0 | 640.0 |

Quantitation Report (QT Reviewed)

Signal #1 : U:\DATAH\H120306\H120304.D\ECD1A.CH Vial: 4
Signal #2 : U:\DATAH\H120306\H120304.D\ECD2B.CH
Acq On : 3 Dec 2006 10:24 am Operator:
Sample : 576-24-INDAB-1 Inst : GCSV H
Misc : Multiplr: 1.00
IntFile Signal #1: PEST1.E IntFile Signal #2: PEST2.E
Quant Time: Dec 6 12:54 2006 Quant Results File: H120306.RES

Quant Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix
Last Update : Wed Dec 06 12:51:41 2006
Response via : Initial Calibration
RT via : U:\DATAH\H120306\H120306.D

REVIEWED
DEC 12 2006

Instrument Type :
Column Type :
Solvent Description :

| | | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | PPB | PPB |
|---|---|---|---|---|---|---|---|---|
| | | System Monitoring Compounds | | | | | | |
| 1) | S | Tetrachloro-m-xy | 3.135 | 2.749 | 1026521 | 3308296 | 9.885 | 10.535 |
| 25) | S | Decachlorobiphen | 11.929 | 12.002 | 1759978 | 6421379 | 24.919 | 24.631 |
| | | Target Compounds | | | | | | |
| 2) | T | alpha-BHC | 4.258 | 3.958 | 589467 | 2210147 | 4.659 | 4.854 |
| 3) | T | gamma-BHC | 4.852 | 4.606 | 564858 | 1950026 | 4.875 | 4.774m |
| 4) | T | beta-BHC | 5.029 | 4.779 | 278726 | 977271 | 5.132 | 5.195 |
| 5) | T | delta-BHC | 5.337 | 5.274 | 523264 | 1856776 | 4.399 | 4.596 |
| 6) | T | Heptachlor | 5.678 | 5.354 | 530614 | 1831063 | 4.807 | 4.766 |
| 7) | T | Aldrin | 6.178 | 5.872 | 550812 | 2028218 | 5.146 | 5.221m |
| 8) | T | Heptachlor epoxi | 7.170 | 6.791 | 545506 | 1899988 | 5.397 | 5.353 |
| 9) | T | gamma-Chlordane | 7.363 | 7.084 | 521887 | 1876873 | 5.190 | 5.240 |
| 10) | T | alpha-Chlordane | 7.569 | 7.309 | 525569 | 1946255 | 5.311 | 5.578 |
| 13) | L1 | Chlordane TOTAL | 0.000 | 0.000 | 1047457 | 3823128 | 10.499m | 10.813m |
| 14) | T | 4,4'-DDE | 7.711 | 7.609 | 1000484 | 3712844 | 10.499 | 10.929 |
| 15) | T | Endosulfan I | 7.777 | 7.377 | 542496 | 1821062 | 5.404 | 5.373 |
| 16) | T | Dieldrin | 8.143 | 7.789 | 1030222 | 3709105 | 10.389 | 10.629 |
| 17) | T | Endrin | 8.490 | 8.231 | 800059 | 2877869 | 10.377 | 10.875 |
| 18) | T | 4,4'-DDD | 8.615 | 8.461 | 819031 | 3101120 | 11.161 | 12.037m |
| 19) | T | Endosulfan II | 8.832 | 8.550 | 934376 | 3361331 | 10.747 | 11.044 |
| 20) | T | 4,4'-DDT | 9.023 | 8.911 | 599695 | 2098730 | 8.106 | 8.720m |
| 21) | T | Endrin aldehyde | 9.457 | 9.047 | 652393 | 2335181 | 10.175m | 10.677m |
| 22) | T | Methoxychlor | 9.748 | 9.928 | 1816682 | 5812853 | 49.280 | 52.114 |
| 23) | T | Endosulfan Sulfa | 10.094 | 9.450 | 888201 | 3010152 | 10.806 | 10.949 |
| 24) | T | Endrin ketone | 10.498 | 10.199 | 1075455 | 3665017 | 10.696 | 11.218 |

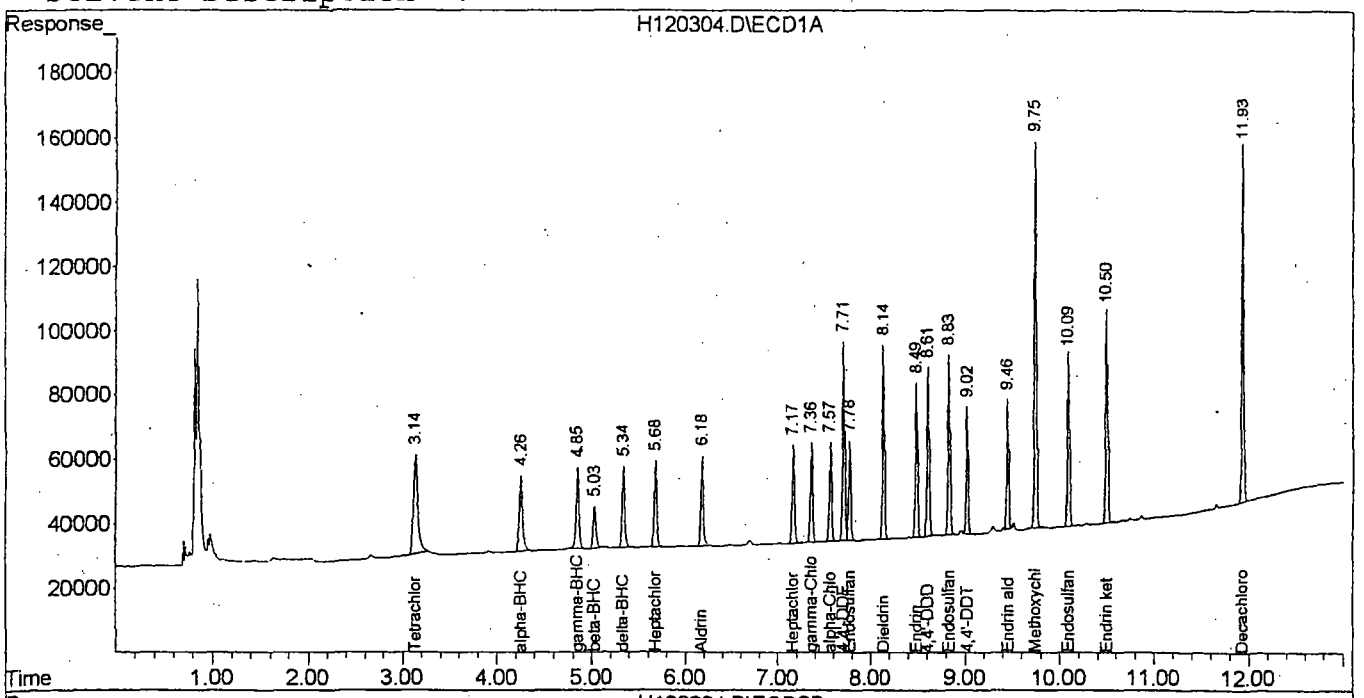
030019

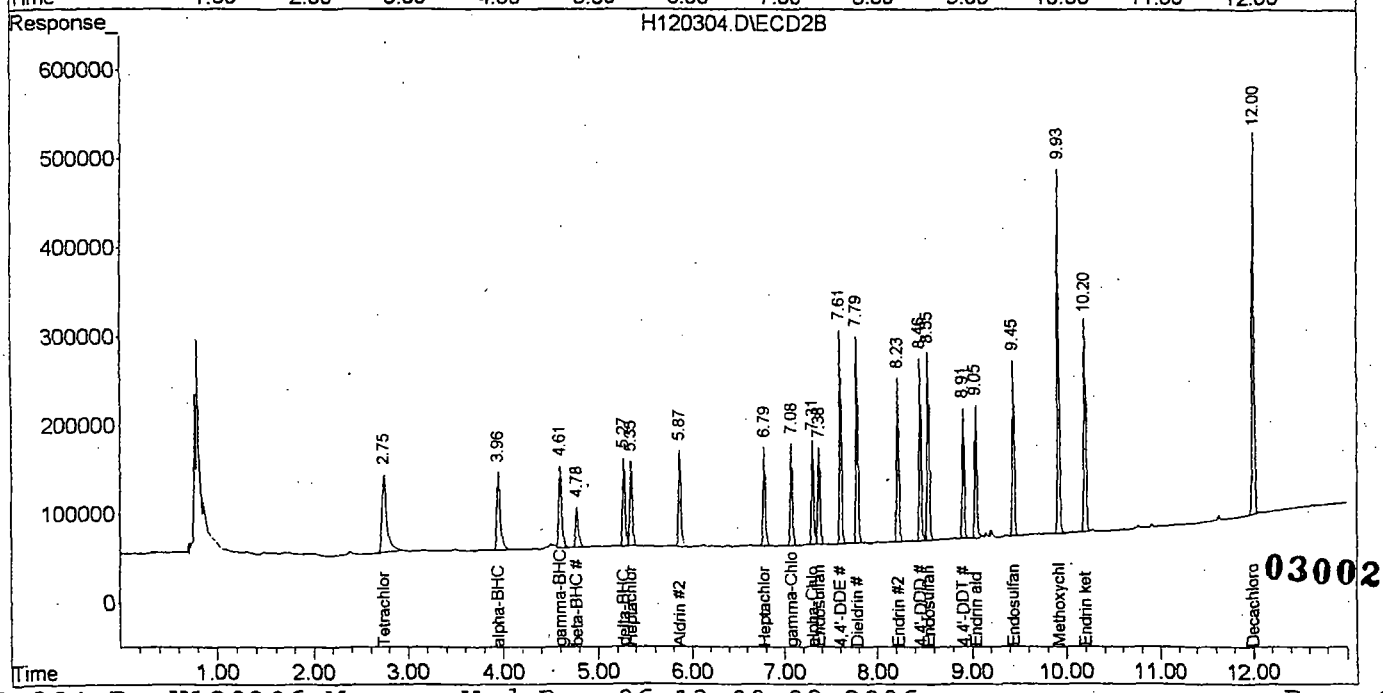
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Signal #1 : U:\DATAH\H120306\H120304.D\ECD1A.CH Vial: 4
Signal #2 : U:\DATAH\H120306\H120304.D\ECD2B.CH
Acq On : 3 Dec 2006 10:24 am Operator:
Sample : 576-24-INDAB-1 Inst : GCSV H
Misc : Multiplr: 1.00
IntFile Signal #1: PEST1.E IntFile Signal #2: PEST2.E
Quant Time: Dec 6 12:54 2006 Quant Results File: H120306.RES

Quant Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix
Last Update : Wed Dec 06 12:51:41 2006
Response via : Multiple Level Calibration
RT via : U:\DATAH\H120306\H120306.D

Instrument Type :
Column Type :
Solvent Description :




030020

Signal #1 : U:\DATAH\H120306\H120305.D\ECD1A.CH Vial: 5
Signal #2 : U:\DATAH\H120306\H120305.D\ECD2B.CH
Acq On : 3 Dec 2006 10:40 am Operator:
Sample : 576-24-INDAB-2 Inst : GCSV H
Misc : Multiplr: 1.00
IntFile Signal #1: PEST1.E IntFile Signal #2: PEST2.E
Quant Time: Dec 6 12:55 2006 Quant Results File: H120306.RES

Quant Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix
Last Update : Wed Dec 06 12:51:41 2006
Response via : Initial Calibration
RT via : U:\DATAH\H120306\H120306.D

REVIEWED
DEC 12 2006

Instrument Type :
Column Type :
Solvent Description :

| | | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | PPB | PPB |
|---|---|---|---|---|---|---|---|---|
| | | System Monitoring Compounds | | | | | | |
| 1) | S | Tetrachloro-m-xy | 3.133 | 2.747 | 2071616 | 6535231 | 19.949 | 20.810 |
| 25) | S | Decachlorobiphen | 11.929 | 12.002 | 3342127 | 12393284 | 47.321 | 47.537 |
| | | Target Compounds | | | | | | |
| 2) | T | alpha-BHC | 4.257 | 3.957 | 1173695 | 4283957 | 9.277 | 9.408 |
| 3) | T | gamma-BHC | 4.851 | 4.607 | 1123000 | 3741544 | 9.691 | 9.161 |
| 4) | T | beta-BHC | 5.029 | 4.779 | 548222 | 1823187 | 10.095 | 9.691 |
| 5) | T | delta-BHC | 5.338 | 5.274 | 1024783 | 3564999 | 8.615 | 8.824 |
| 6) | T | Heptachlor | 5.678 | 5.354 | 1015777 | 3483268 | 9.203 | 9.067 |
| 7) | T | Aldrin | 6.179 | 5.873 | 1076228 | 3842054 | 10.054 | 9.891 |
| 8) | T | Heptachlor epoxi | 7.171 | 6.791 | 1037551 | 3600634 | 10.266 | 10.145 |
| 9) | T | gamma-Chlordane | 7.364 | 7.084 | 1001989 | 3567671 | 9.964 | 9.960m |
| 10) | T | alpha-Chlordane | 7.570 | 7.310 | 1024239 | 3684592 | 10.350 | 10.561 |
| 13) | L1 | Chlordane TOTAL | 0.000 | 0.000 | 2026228 | 7246833 | 20.310m | 20.497m |
| 14) | T | 4,4'-DDE | 7.712 | 7.610 | 2006436 | 7230477 | 21.056 | 21.284 |
| 15) | T | Endosulfan I | 7.777 | 7.378 | 1037820 | 3448664 | 10.339 | 10.175 |
| 16) | T | Dieldrin | 8.144 | 7.790 | 2005337 | 7257225 | 20.222 | 20.797 |
| 17) | T | Endrin | 8.492 | 8.232 | 1532065 | 5544832 | 19.872 | 20.952 |
| 18) | T | 4,4'-DDD | 8.616 | 8.462 | 1611356 | 6113633 | 21.958 | 23.730 |
| 19) | T | Endosulfan II | 8.832 | 8.551 | 1795038 | 6582731 | 20.646 | 21.628 |
| 20) | T | 4,4'-DDT | 9.024 | 8.913 | 1219331 | 4292247 | 16.482 | 17.834 |
| 21) | T | Endrin aldehyde | 9.458 | 9.048 | 1210074 | 4332878 | 18.873 | 19.810m |
| 22) | T | Methoxychlor | 9.748 | 9.928 | 3557755 | 11385302 | 96.508 | 102.073 |
| 23) | T | Endosulfan Sulfa | 10.094 | 9.450 | 1697678 | 5812922 | 20.655 | 21.143 |
| 24) | T | Endrin ketone | 10.498 | 10.200 | 2103945 | 7081122 | 20.925 | 21.675 |

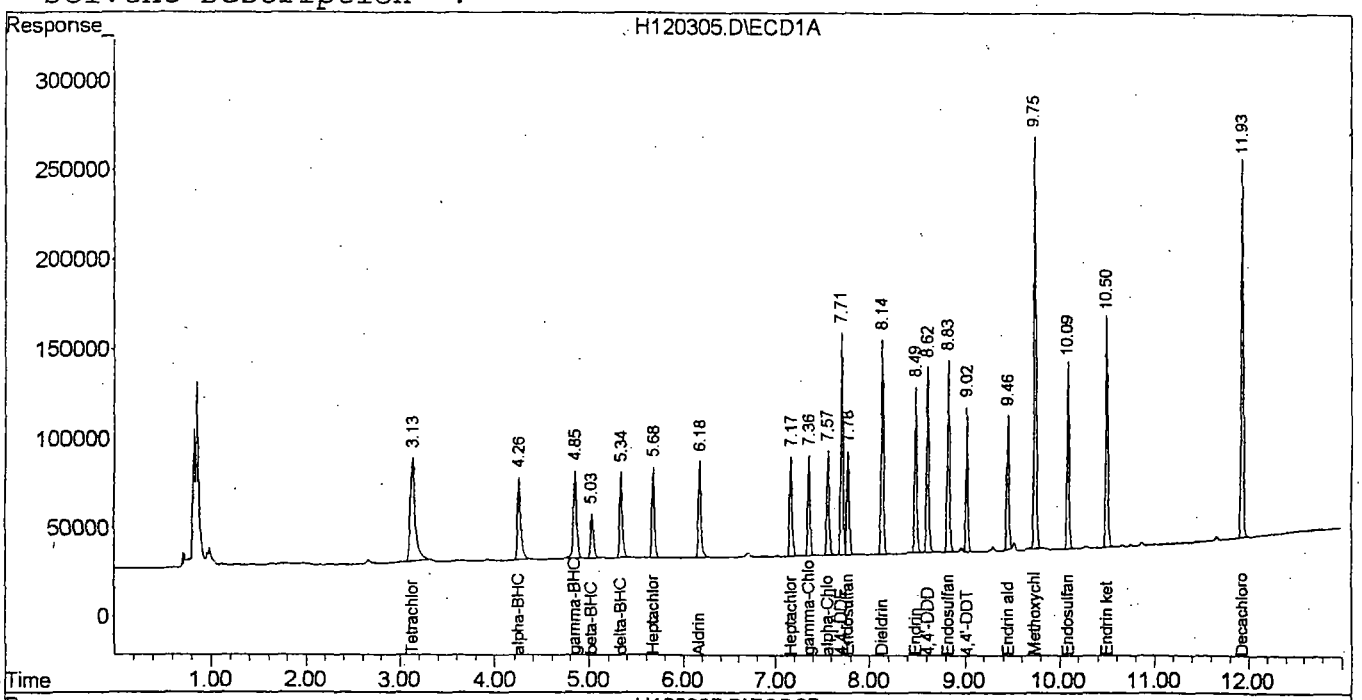
030021

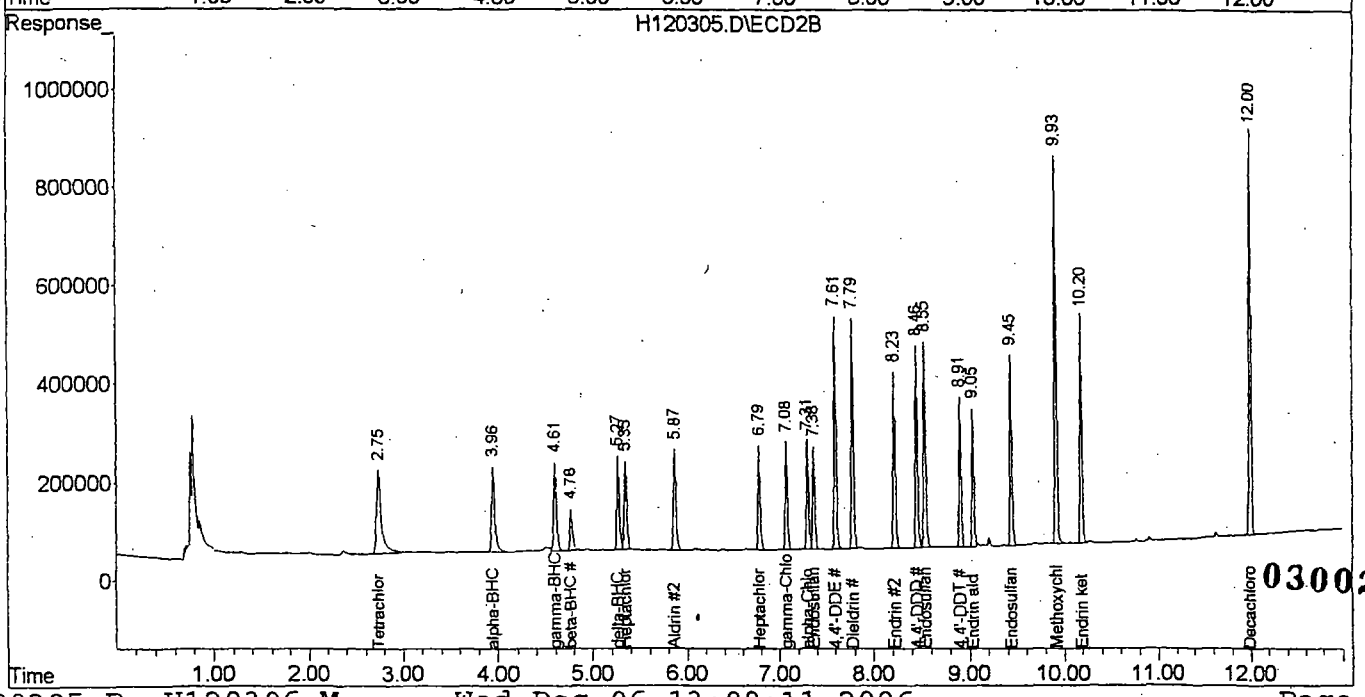
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Signal #1 : U:\DATAH\H120306\H120305.D\ECD1A.CH Vial: 5
Signal #2 : U:\DATAH\H120306\H120305.D\ECD2B.CH
Acq On : 3 Dec 2006 10:40 am Operator:
Sample : 576-24-INDAB-2 Inst : GCSV H
Misc : Multiplr: 1.00
IntFile Signal #1: PEST1.E IntFile Signal #2: PEST2.E
Quant Time: Dec 6 12:55 2006 Quant Results File: H120306.RES

Quant Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix
Last Update : Wed Dec 06 12:51:41 2006
Response via : Multiple Level Calibration
RT via : U:\DATAH\H120306\H120306.D

Instrument Type :
Column Type :
Solvent Description :




030022

Signal #1 : U:\DATAH\H120306\H120306.D\ECD1A.CH Vial: 6
Signal #2 : U:\DATAH\H120306\H120306.D\ECD2B.CH
Acq On : 3 Dec 2006 10:57 am Operator:
Sample : 576-35-INDAB-3 Inst : GCSV H
Misc : Multiplr: 1.00
IntFile Signal #1: PEST1.E IntFile Signal #2: PEST2.E
Quant Time: Dec 6 12:56 2006 Quant Results File: H120306.RES

Quant Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix
Last Update : Wed Dec 06 12:51:41 2006
Response via : Initial Calibration
RT via : U:\DATAH\H120306\H120306.D

Instrument Type :
Column Type :
Solvent Description :

REVIEWED

| | | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | PPB | PPB |
|---|---|---|---|---|---|---|---|---|
| | | System Monitoring Compounds | | | | | | |
| 1) | S | Tetrachloro-m-xy | 3.135 | 2.748 | 4466988 | 13229342 | 43.016 | 42.127 |
| 25) | S | Decachlorobiphen | 11.930 | 12.003 | 6877722 | 25295429 | 97.380 | 97.027 |
| | | Target Compounds | | | | | | |
| 2) | T | alpha-BHC | 4.259 | 3.959 | 2436954 | 8836151 | 19.262 | 19.406 |
| 3) | T | gamma-BHC | 4.853 | 4.608 | 2282153 | 7657027 | 19.694 | 18.747 |
| 4) | T | beta-BHC | 5.030 | 4.780 | 1110730 | 3727850 | 20.453 | 19.815 |
| 5) | T | delta-BHC | 5.339 | 5.275 | 2212219 | 7750022 | 18.597 | 19.183 |
| 6) | T | Heptachlor | 5.680 | 5.355 | 2037099 | 7242395 | 18.455 | 18.852 |
| 7) | T | Aldrin | 6.180 | 5.875 | 2287915 | 8214642 | 21.374 | 21.148 |
| 8) | T | Heptachlor epoxi | 7.173 | 6.793 | 2137184 | 7537779 | 21.146 | 21.238 |
| 9) | T | gamma-Chlordane | 7.365 | 7.086 | 2066491 | 7542823 | 20.549 | 21.057m |
| 10) | T | alpha-Chlordane | 7.571 | 7.311 | 2125313 | 7714131 | 21.476 | 22.110 |
| 13) | L1 | Chlordane TOTAL | 0.000 | 0.000 | 4191803 | 15286603 | 42.018m | 43.237m |
| 14) | T | 4,4'-DDE | 7.714 | 7.611 | 4364488 | 15334575 | 45.803 | 45.139 |
| 15) | T | Endosulfan I | 7.779 | 7.379 | 2069544 | 6955769 | 20.616 | 20.523 |
| 16) | T | Dieldrin | 8.145 | 7.792 | 4092811 | 14662846 | 41.272 | 42.020 |
| 17) | T | Endrin | 8.492 | 8.232 | 3133824 | 11030973 | 40.648 | 41.683m |
| 18) | T | 4,4'-DDD | 8.617 | 8.463 | 3347652 | 12340205 | 45.619 | 47.899 |
| 19) | T | Endosulfan II | 8.833 | 8.552 | 3768875 | 13587046 | 43.348 | 44.641 |
| 20) | T | 4,4'-DDT | 9.025 | 8.914 | 2580080 | 8989965 | 34.876 | 37.353 |
| 21) | T | Endrin aldehyde | 9.458 | 9.049 | 2616051 | 9090761 | 40.801m | 41.564m |
| 22) | T | Methoxychlor | 9.749 | 9.929 | 7245719 | 23121231 | 196.548 | 207.290 |
| 23) | T | Endosulfan Sulfa | 10.095 | 9.451 | 3519614 | 12156831 | 42.822 | 44.218 |
| 24) | T | Endrin ketone | 10.500 | 10.201 | 4424465 | 14995490 | 44.004 | 45.901 |

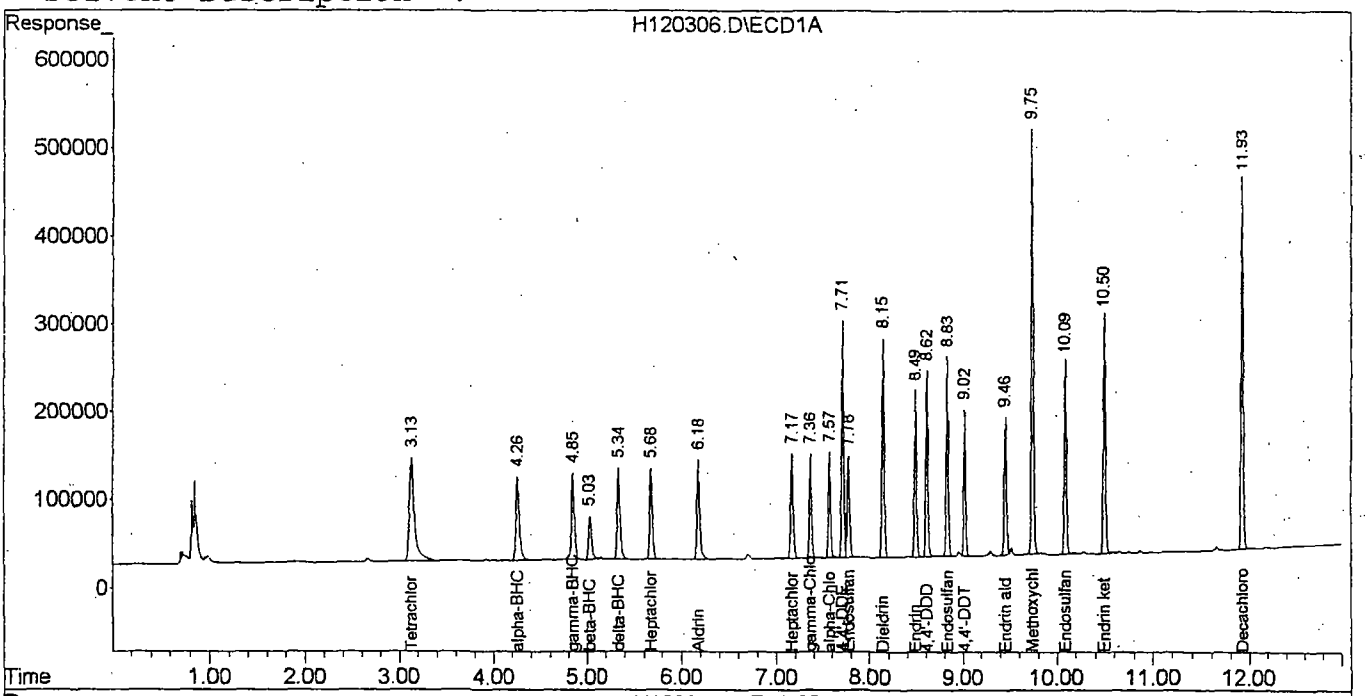
**030023**

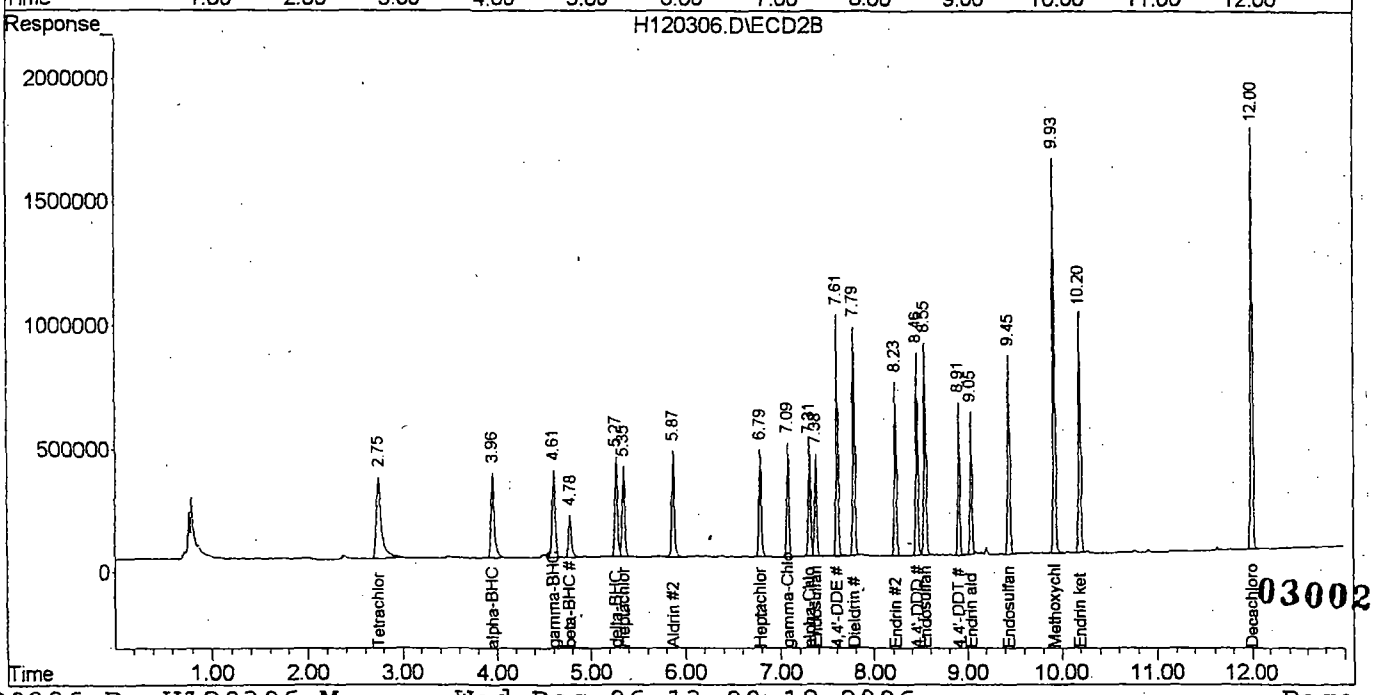
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Signal #1 : U:\DATAH\H120306\H120306.D\ECD1A.CH Vial: 6
Signal #2 : U:\DATAH\H120306\H120306.D\ECD2B.CH
Acq On : 3 Dec 2006 10:57 am Operator:
Sample : 576-35-INDAB-3 Inst : GCSV H
Misc : Multiplr: 1.00
IntFile Signal #1: PEST1.E IntFile Signal #2: PEST2.E
Quant Time: Dec 6 12:56 2006 Quant Results File: H120306.RES

Quant Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix
Last Update : Wed Dec 06 12:51:41 2006
Response via : Multiple Level Calibration
RT via : U:\DATAH\H120306\H120306.D

Instrument Type :
Column Type :
Solvent Description :




030024

Signal #1 : U:\DATAH\H120306\H120307.D\ECD1A.CH Vial: 7
Signal #2 : U:\DATAH\H120306\H120307.D\ECD2B.CH
Acq On : 3 Dec 2006 11:13 am Operator:
Sample : 576-24-INDAB-4 Inst : GCSV H
Misc : Multiplr: 1.00
IntFile Signal #1: PEST1.E IntFile Signal #2: PEST2.E
Quant Time: Dec 6 12:57 2006 Quant Results File: H120306.RES

Quant Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix
Last Update : Wed Dec 06 12:51:41 2006
Response via : Initial Calibration
RT via : U:\DATAH\H120306\H120306.D

Instrument Type :
Column Type :
Solvent Description :

REVIEWED
DEC 12 2006

| | | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | PPB | PPB |
|---|---|---|---|---|---|---|---|---|
| | | System Monitoring Compounds | | | | | | |
| 1) | S | Tetrachloro-m-xy | 3.134 | 2.748 | 8694474 | 25238908 | 83.726 | 80.369 |
| 25) | S | Decachlorobiphen | 11.930 | 12.003 | 13186509 | 47716564 | 186.706 | 183.028m |
| | | Target Compounds | | | | | | |
| 2) | T | alpha-BHC | 4.259 | 3.959 | 5032905 | 17893600 | 39.780 | 39.297 |
| 3) | T | gamma-BHC | 4.853 | 4.609 | 4691605 | 15257502 | 40.487 | 37.356 |
| 4) | T | beta-BHC | 5.030 | 4.781 | 2038290 | 6860613 | 37.533 | 36.467 |
| 5) | T | delta-BHC | 5.339 | 5.276 | 4319261 | 14899085 | 36.310 | 36.879 |
| 6) | T | Heptachlor | 5.680 | 5.355 | 4053429 | 14205204 | 36.723 | 36.977m |
| 7) | T | Aldrin | 6.180 | 5.876 | 4429189 | 15652527 | 41.379 | 40.296 |
| 8) | T | Heptachlor epoxi | 7.172 | 6.793 | 4047130 | 14072065 | 40.043 | 39.649m |
| 9) | T | gamma-Chlordane | 7.365 | 7.087 | 3956331 | 14295309 | 39.341 | 39.907 |
| 10) | T | alpha-Chlordane | 7.572 | 7.312 | 4034235 | 14590009 | 40.766 | 41.818 |
| 13) | L1 | Chlordane TOTAL | 0.000 | 0.000 | 7990566 | 28885318 | 80.096m | 81.700m |
| 14) | T | 4,4'-DDE | 7.714 | 7.611 | 8599968 | 29058187 | 90.251 | 85.536 |
| 15) | T | Endosulfan I | 7.779 | 7.380 | 4101264 | 13755700 | 40.856 | 40.586 |
| 16) | T | Dieldrin | 8.145 | 7.792 | 8329629 | 28997430 | 83.997m | 83.099 |
| 17) | T | Endrin | 8.492 | 8.232 | 6297521 | 21663169 | 81.684 | 81.859m |
| 18) | T | 4,4'-DDD | 8.617 | 8.463 | 6804215 | 24468876 | 92.722 | 94.977 |
| 19) | T | Endosulfan II | 8.833 | 8.552 | 7099502 | 25234494 | 81.656 | 82.910 |
| 20) | T | 4,4'-DDT | 9.026 | 8.914 | 5375774 | 18402636 | 72.667 | 76.463 |
| 21) | T | Endrin aldehyde | 9.458 | 9.049 | 4955696 | 17291302 | 77.291 | 79.058 |
| 22) | T | Methoxychlor | 9.749 | 9.929 | 14470177 | 45167459 | 392.520 | 404.941 |
| 23) | T | Endosulfan Sulfa | 10.095 | 9.451 | 6628751 | 22648162 | 80.650 | 82.377 |
| 24) | T | Endrin ketone | 10.500 | 10.201 | 8476263 | 28308111 | 84.301 | 86.650 |

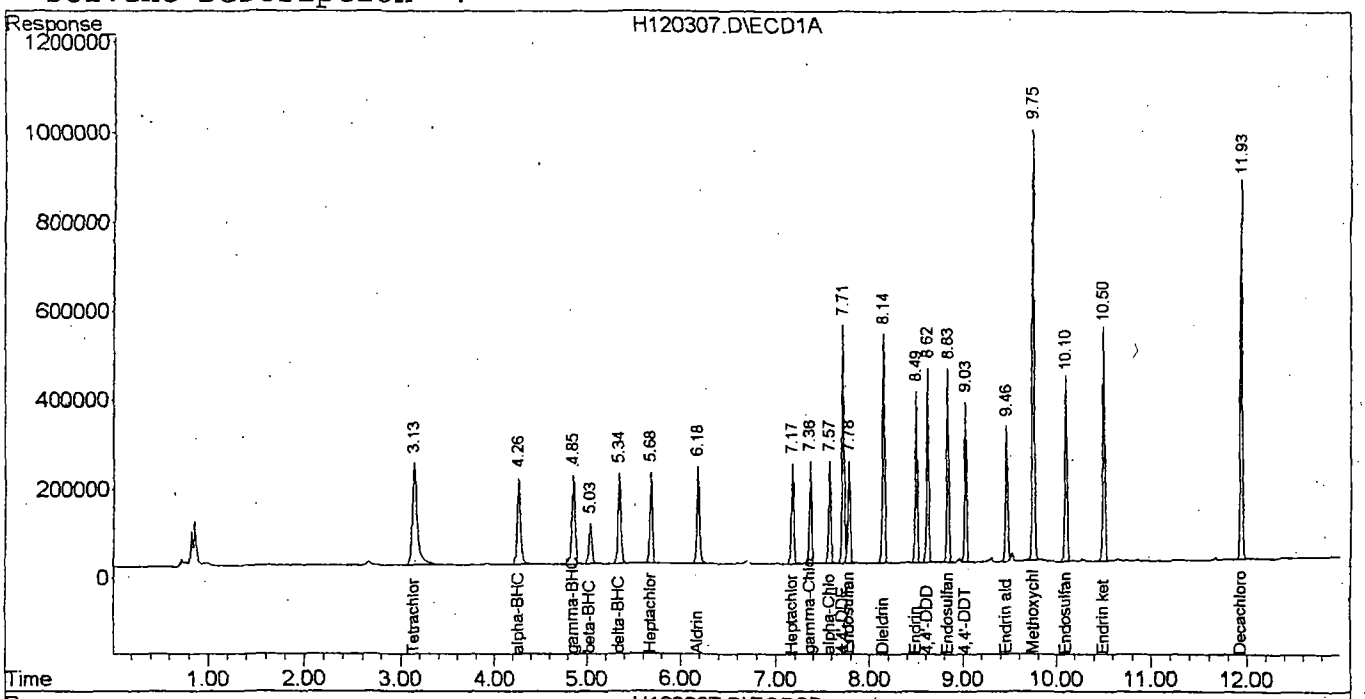
030025

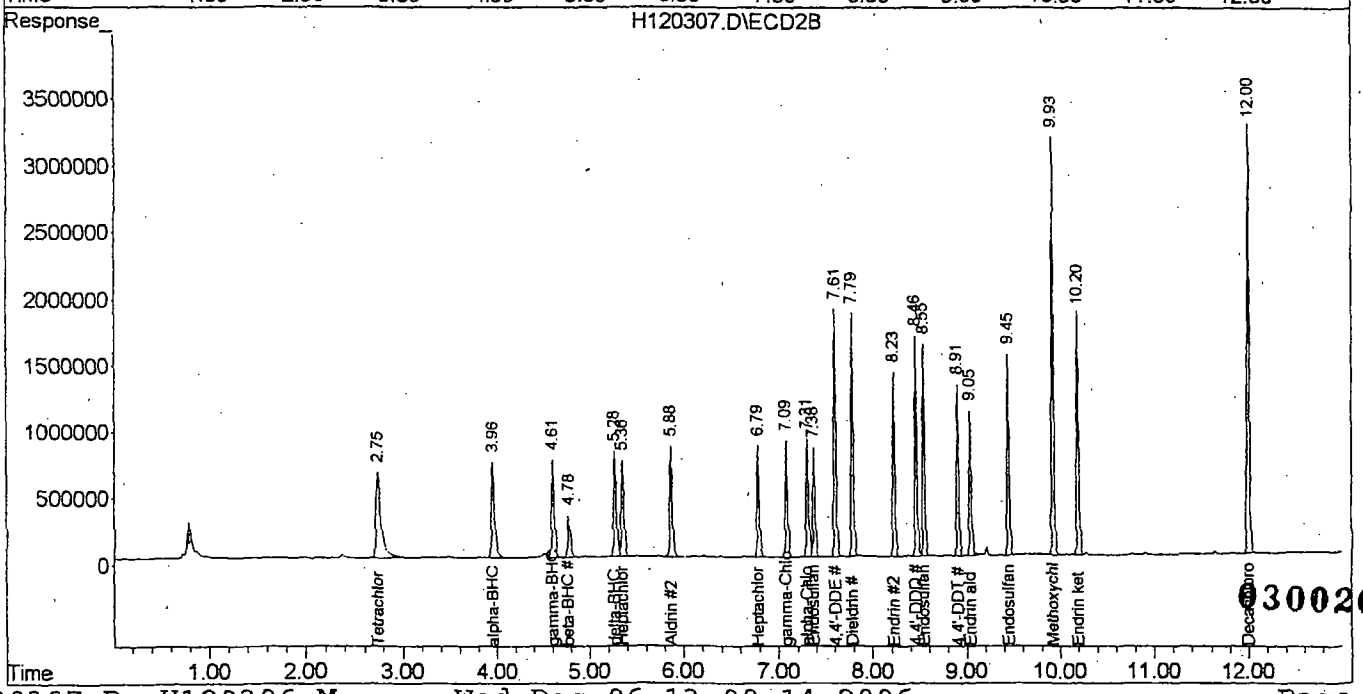
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Signal #1 : U:\DATAH\H120306\H120307.D\ECD1A.CH Vial: 7
Signal #2 : U:\DATAH\H120306\H120307.D\ECD2B.CH
Acq On : 3 Dec 2006 11:13 am Operator:
Sample : 576-24-INDAB-4 Inst : GCSV H
Misc : Multiplr: 1.00
IntFile Signal #1: PEST1.E IntFile Signal #2: PEST2.E
Quant Time: Dec 6 12:57 2006 Quant Results File: H120306.RES

Quant Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix
Last Update : Wed Dec 06 12:51:41 2006
Response via : Multiple Level Calibration
RT via : U:\DATAH\H120306\H120306.D

Instrument Type :
Column Type :
Solvent Description :




030026

Data File : U:\DATAH\H120306\H120308.D\ECD1A.CH Vial: 8
Acq On : 3 Dec 2006 11:30 am Operator:
Sample : 576-24-INDAB-5 Inst : GCSV H
Misc : Multiplr: 1.00
IntFile : PEST1.E

Data File : U:\DATAH\H120306\H120308.D\ECD2B.CH Vial: 8
Acq On : 3 Dec 2006 11:30 am Operator:
Sample : 576-24-INDAB-3 Inst : GCSV H
Misc : Multiplr: 1.00
IntFile : PEST2.E
Quant Time: Dec 6 12:58 2006 Quant Results File: H120306.RES

Quant Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix
Last Update : Wed Dec 06 12:51:41 2006
Response via : Initial Calibration
RT via : U:\DATAH\H120306\H120306.D

REVIEWED

Instrument Type :
Column Type :
Solvent Description :

| | | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | PPB | PPB |
|---|---|---|---|---|---|---|---|---|
| | | System Monitoring Compounds | | | | | | |
| 1) | S | Tetrachloro-m-xy | 3.135 | 2.749 | 36966062 | 102.6E6 | 355.974 | 326.587 |
| 25) | S | Decachlorobiphen | 11.929 | 12.003 | 56475557 | 197.4E6 | 799.628 | 757.180m |
| | | Target Compounds | | | | | | |
| 2) | T | alpha-BHC | 4.259 | 3.960 | 23482078 | 78396598 | 185.603 | 172.171 |
| 3) | T | gamma-BHC | 4.855 | 4.610 | 21123075 | 65868303 | 182.285 | 161.269 |
| 4) | T | beta-BHC | 5.031 | 4.781 | 8154023 | 27847254 | 150.147 | 148.019 |
| 5) | T | delta-BHC | 5.340 | 5.277 | 19935471 | 64107054 | 167.590 | 158.683 |
| 6) | T | Heptachlor | 5.681 | 5.357 | 18110616 | 61080869 | 164.076 | 158.995 |
| 7) | T | Aldrin | 6.181 | 5.877 | 19332695 | 64300331 | 180.613 | 165.534 |
| 8) | T | Heptachlor epoxi | 7.173 | 6.794 | 17000043 | 56435055 | 168.203 | 159.008 |
| 9) | T | gamma-Chlordane | 7.366 | 7.087 | 17366917 | 58933818 | 172.693 | 164.522 |
| 10) | T | alpha-Chlordane | 7.572 | 7.312 | 17239334 | 58698096 | 174.204 | 168.241 |
| 13) | L1 | Chlordane TOTAL | 0.000 | 0.000 | 34606250 | 117.6E6 | 346.885m | 332.714m |
| 14) | T | 4,4'-DDE | 7.714 | 7.612 | 37917799 | 116.3E6 | 397.924 | 342.354 |
| 15) | T | Endosulfan I | 7.779 | 7.380 | 17832623 | 56469407 | 177.646 | 166.611 |
| 16) | T | Dieldrin | 8.146 | 7.792 | 37015656 | 117.9E6 | 373.269 | 337.858 |
| 17) | T | Endrin | 8.493 | 8.234 | 27873916 | 88395224 | 361.547 | 334.020 |
| 18) | T | 4,4'-DDD | 8.617 | 8.464 | 30765166 | 101.4E6 | 419.243 | 393.768 |
| 19) | T | Endosulfan II | 8.833 | 8.552 | 30388236 | 99512065 | 349.514 | 326.954 |
| 20) | T | 4,4'-DDT | 9.025 | 8.915 | 26049721 | 82623915 | 352.128 | 343.304 |
| 21) | T | Endrin aldehyde | 9.458 | 9.049 | 21383741 | 69243339 | 333.511 | 316.588 |
| 22) | T | Methoxychlor | 9.748 | 9.929 | 64385817 | 193.2E6 | 1746.537 | 1731.754 |
| 23) | T | Endosulfan Sulfa | 10.095 | 9.451 | 27962450 | 89601627 | 340.210 | 325.905 |
| 24) | T | Endrin ketone | 10.498 | 10.200 | 35948564 | 112.5E6 | 357.528 | 344.491 |

030027

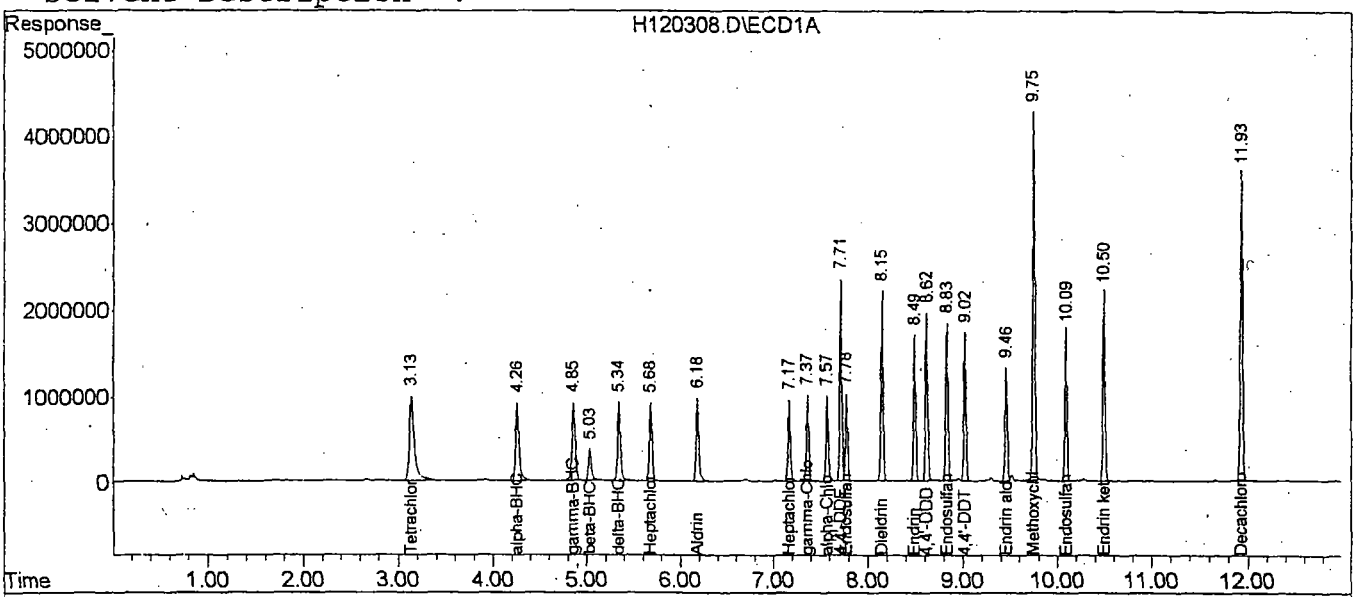
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

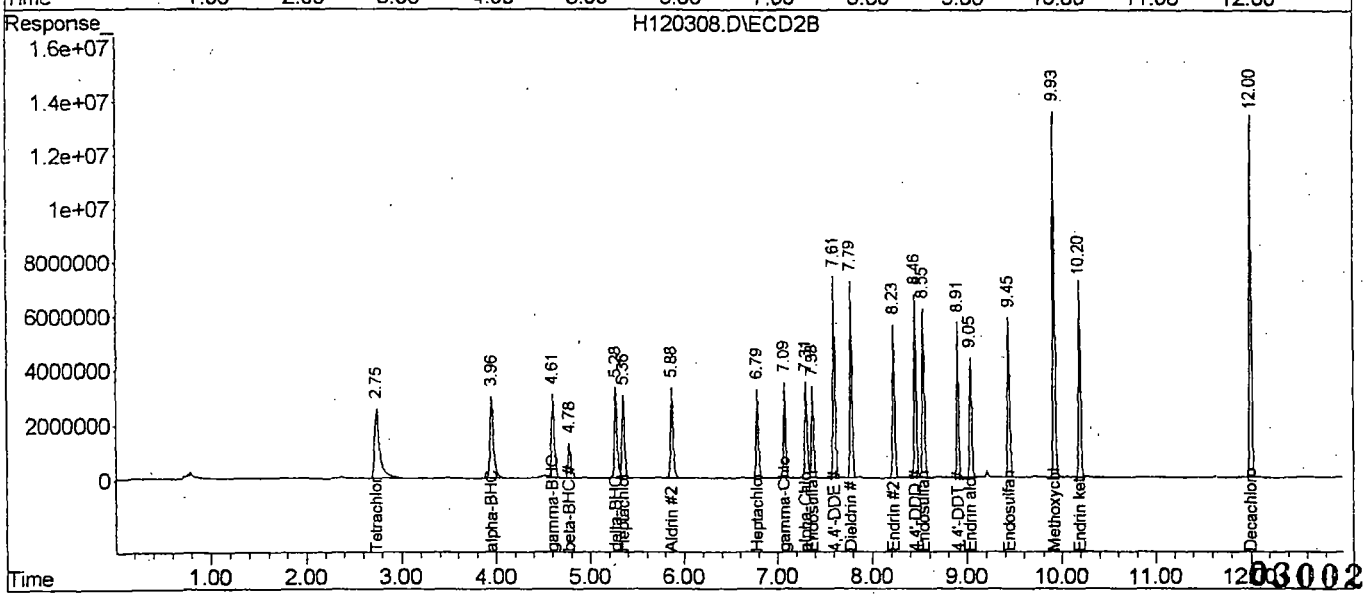
Data File : U:\DATAH\H120306\H120308.D\ECD1A.CH Vial: 8
Acq On : 3 Dec 2006 11:30 am Operator:
Sample : 576-24-INDAB-5 Inst : GCSV H
Misc : Multiplr: 1.00
IntFile : PEST1.E

Data File : U:\DATAH\H120306\H120308.D\ECD2B.CH Vial: 8
Acq On : 3 Dec 2006 11:30 am Operator:
Sample : 576-24-INDAB-3 Inst : GCSV H
Misc : Multiplr: 1.00
IntFile : PEST2.E
Quant Time: Dec 6 12:58 2006 Quant Results File: H120306.RES

Quant Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix
Last Update : Wed Dec 06 12:51:41 2006
Response via : Multiple Level Calibration
RT via : U:\DATAH\H120306\H120306.D

Instrument Type :
Column Type :
Solvent Description :



# Response Factor Report

Method : U:\DATAH\H1203TOX.M (Chemstation Integrator)
Title : 91CLPPEST / OLM01.8
Last Update : Fri Dec 08 13:59:22 2006

Calibration Files
1 =H120309.D = =
= =

Column A

| | Compound | 1 | Avg | %RSD |
|---|---|---|---|---|
| 1) | SA Tetrachloro-m-xylene | 5.569 | 5.569 E4 | 0.00 |
| 2) | SA Decachlorobiphenyl | 4.438 | 4.438 E4 | 0.00 |
| 3) | LG1 Toxaphene{1} | 6.374 | 6.374 E2 | 0.00 |
| 4) | LG1 Toxaphene{2} | 5.510 | 5.510 E2 | 0.00 |
| 5) | LG1 Toxaphene{3} | 2.080 | 2.080 E3 | 0.00 |
| 6) | LG1 Toxaphene{4} | 3.190 | 3.190 E3 | 0.00 |
| 7) | LG1 Toxaphene{5} | 4.006 | 4.006 E3 | 0.00 |
| 8) | LG1 Toxaphene{6} | 4.334 | 4.334 E3 | 0.00 |
| 9) | LG1 Toxaphene{7} | 6.532 | 6.532 E3 | 0.00 |
| 10) | LG1 Toxaphene{8} | 1.561 | 1.561 E3 | 0.00 |
| 11) | LG1 Toxaphene{9} | 3.506 | 3.506 E3 | 0.00 |
| 12) | LG1 Toxaphene{10} | 1.577 | 1.577 E3 | 0.00 |
| 13) | LG1 Toxaphene TOTAL | 2.798 | 2.798 E4 | 0.00 |
| | | | Total Average %RSD | 0.00 |

**030029**

(#) = Out of Range

Response Factor Report

Method : U:\DATAH\H1203TOX.M (Chemstation Integrator)
Title : 91CLPPEST / OLM01.8
Last Update : Fri Dec 08 13:59:22 2006

Calibration Files
1 =H120309.D = =
= =

Column B

| | Compound | 1 | Avg | %RSD |
|---|---|---|---|---|
| 1) | SA Tetrachloro-m-xylene | 1.714 | 1.714 E5 | 0.00 |
| 2) | SA Decachlorobiphenyl | 1.599 | 1.599 E5 | 0.00 |
| 3) | LG1 Toxaphene{1} | 3.323 | 3.323 E3 | 0.00 |
| 4) | LG1 Toxaphene{2} | 3.537 | 3.537 E3 | 0.00 |
| 5) | LG1 Toxaphene{3} | 8.840 | 8.840 E3 | 0.00 |
| 6) | LG1 Toxaphene{4} | 7.710 | 7.710 E3 | 0.00 |
| 7) | LG1 Toxaphene{5} | 7.060 | 7.060 E3 | 0.00 |
| 8) | LG1 Toxaphene{6} | 1.286 | 1.286 E4 | 0.00 |
| 9) | LG1 Toxaphene{7} | 2.139 | 2.139 E4 | 0.00 |
| 10) | LG1 Toxaphene{8} | 2.838 | 2.838 E3 | 0.00 |
| 11) | LG1 Toxaphene{9} | 1.066 | 1.066 E4 | 0.00 |
| 12) | LG1 Toxaphene{10} | 1.996 | 1.996 E3 | 0.00 |
| 13) | LG1 Toxaphene TOTAL#2 | 8.022 | 8.022 E4 | 0.00 |
| | | | Total Average %RSD | 0.00 |

030030

(#) = Out of Range

Response Factor Report

Method : U:\DATAH\H1203TOX.M (Chemstation Integrator)
Title : 91CLPPEST / OLM01.8
Last Update : Fri Dec 08 14:19:30 2006

Calibration Files
1 =H120309.D = =
= =

Column A

| | Compound | 1 | Avg | %RSD |
|---|---|---|---|---|
| 1) | SA Tetrachloro-m-xylene | 1.394 | 1.394 E5 | 0.00 |
| 2) | SA Decachlorobiphenyl | 1.109 | 1.109 E5 | 0.00 |
| 3) | LG1 Toxaphene{1} | 6.374 | 6.374 E2 | 0.00 |
| 4) | LG1 Toxaphene{2} | 5.510 | 5.510 E2 | 0.00 |
| 5) | LG1 Toxaphene{3} | 2.080 | 2.080 E3 | 0.00 |
| 6) | LG1 Toxaphene{4} | 3.157 | 3.157 E3 | 0.00 |
| 7) | LG1 Toxaphene{5} | 4.006 | 4.006 E3 | 0.00 |
| 8) | LG1 Toxaphene{6} | 4.284 | 4.284 E3 | 0.00 |
| 9) | LG1 Toxaphene{7} | 6.580 | 6.580 E3 | 0.00 |
| 10) | LG1 Toxaphene{8} | 1.561 | 1.561 E3 | 0.00 |
| 11) | LG1 Toxaphene{9} | 3.490 | 3.490 E3 | 0.00 |
| 12) | LG1 Toxaphene{10} | 1.577 | 1.577 E3 | 0.00 |
| 13) | LG1 Toxaphene TOTAL | 2.792 | 2.792 E4 | 0.00 |
| | | | Total Average %RSD | 0.00 |

030031

(#) = Out of Range

Response Factor Report

Method : U:\DATAH\H1203TOX.M (Chemstation Integrator)
Title : 91CLPPEST / OLM01.8
Last Update : Fri Dec 08 14:19:30 2006

Calibration Files
1 =H120309.D = =
= =

Column B

| | Compound | 1 | Avg | %RSD |
|---|---|---|---|---|
| 1) | SA Tetrachloro-m-xylene | 4.285 | 4.285 E5 | 0.00 |
| 2) | SA Decachlorobiphenyl | 3.998 | 3.998 E5 | 0.00 |
| 3) | LG1 Toxaphene{1} | 3.555 | 3.555 E3 | 0.00 |
| 4) | LG1 Toxaphene{2} | 3.537 | 3.537 E3 | 0.00 |
| 5) | LG1 Toxaphene{3} | 8.880 | 8.880 E3 | 0.00 |
| 6) | LG1 Toxaphene{4} | 7.710 | 7.710 E3 | 0.00 |
| 7) | LG1 Toxaphene{5} | 7.060 | 7.060 E3 | 0.00 |
| 8) | LG1 Toxaphene{6} | 1.285 | 1.285 E4 | 0.00 |
| 9) | LG1 Toxaphene{7} | 2.203 | 2.203 E4 | 0.00 |
| 10) | LG1 Toxaphene{8} | 2.838 | 2.838 E3 | 0.00 |
| 11) | LG1 Toxaphene{9} | 1.063 | 1.063 E4 | 0.00 |
| 12) | LG1 Toxaphene{10} | 1.996 | 1.996 E3 | 0.00 |
| 13) | LG1 Toxaphene TOTAL#2 | 8.109 | 8.109 E4 | 0.00 |
| | | | Total Average %RSD | 0.00 |

030032

(#) = Out of Range

Method : U:\DATAH\H1203TOX.M (Chemstation Integrator)
Title : 91CLPPEST / OLM01.8
Last Update : Fri Dec 08 14:19:30 2006
Response via : Initial Calibration
Total Cpnds : 27

| PK# | Type | Compound Name | Exp_RT | Rel_RT | Cal | A/H | ID |
|---|---|---|---|---|---|---|---|
| 1 | SA | Tetrachloro-m-xylene | 3.14 | 1.000 | A | A | B |
| 2 | SA | Decachlorobiphenyl | 11.93 | 1.000 | A | A | B |
| 3 | LG1 | Toxaphene{1} | 8.16 | 1.000 | A | A | B |
| 4 | LG1 | Toxaphene{2} | 8.33 | 1.000 | A | A | B |
| 5 | LG1 | Toxaphene{3} | 8.53 | 1.000 | A | A | B |
| 6 | LG1 | Toxaphene{4} | 9.33 | 1.000 | A | A | B |
| 7 | LG1 | Toxaphene{5} | 9.42 | 1.000 | A | A | B |
| 8 | LG1 | Toxaphene{6} | 9.93 | 1.000 | A | A | B |
| 9 | LG1 | Toxaphene{7} | 10.07 | 1.000 | A | A | B |
| 10 | LG1 | Toxaphene{8} | 10.18 | 1.000 | A | A | B |
| 11 | LG1 | Toxaphene{9} | 10.46 | 1.000 | A | A | B |
| 12 | LG1 | Toxaphene{10} | 10.68 | 1.000 | A | A | B |
| 13 | LG1 | Toxaphene TOTAL | 0.00 | 1.000 | A | A | B |
| 14 | | Column #2 | 18.23 | 1.000 | A | A | B |
| 15 | SA | Tetrachloro-m-xylene #2 | 2.75 | 1.000 | A | A | B |
| 16 | SA | Decachlorobiphenyl #2 | 12.00 | 1.000 | A | A | B |
| 17 | LG1 | Toxaphene{1} #2 | 7.80 | 1.000 | A | A | B |
| 18 | LG1 | Toxaphene{2} #2 | 8.22 | 1.000 | A | A | B |
| 19 | LG1 | Toxaphene{3} #2 | 8.68 | 1.000 | A | A | B |
| 20 | LG1 | Toxaphene{4} #2 | 9.14 | 1.000 | A | A | B |
| 21 | LG1 | Toxaphene{5} #2 | 9.18 | 1.000 | A | A | B |
| 22 | LG1 | Toxaphene{6} #2 | 9.79 | 1.000 | A | A | B |
| 23 | LG1 | Toxaphene{7} #2 | 9.94 | 1.000 | A | A | B |
| 24 | LG1 | Toxaphene{8} #2 | 10.21 | 1.000 | A | A | B |
| 25 | LG1 | Toxaphene{9} #2 | 10.35 | 1.000 | A | A | B |
| 26 | LG1 | Toxaphene{10} #2 | 10.69 | 1.000 | A | A | B |
| 27 | LG1 | Toxaphene TOTAL#2 | 0.00 | 1.000 | A | A | B |

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

Concentration Report for H1203TOX.M

Method : U:\DATAH\H1203TOX.M (Chemstation Integrator)
Title : 91CLPPEST / OLM01.8

COLUMN A Calibration Levels

| | compound name | 1 |
|---|---|---|
| 1 | Tetrachloro-m-x | 8.000 |
| 2 | Decachlorobiphe | 8.000 |
| 3 | Toxaphene{1} | 200.0 |
| 4 | Toxaphene{2} | 200.0 |
| 5 | Toxaphene{3} | 200.0 |
| 6 | Toxaphene{4} | 200.0 |
| 7 | Toxaphene{5} | 200.0 |
| 8 | Toxaphene{6} | 200.0 |
| 9 | Toxaphene{7} | 200.0 |
| 10 | Toxaphene{8} | 200.0 |
| 11 | Toxaphene{9} | 200.0 |
| 12 | Toxaphene{10} | 200.0 |
| 13 | Toxaphene TOTAL | 200.0 |

Concentration Report for H1203TOX.M

Method : U:\DATAH\H1203TOX.M (Chemstation Integrator)
Title : 91CLPPEST / OLM01.8

COLUMN B Calibration Levels

| | compound name | 1 |
|---|---|---|
| 1 | Tetrachloro-m-x | 8.000 |
| 2 | Decachlorobiphe | 8.000 |
| 3 | Toxaphene{1} | 200.0 |
| 4 | Toxaphene{2} | 200.0 |
| 5 | Toxaphene{3} | 200.0 |
| 6 | Toxaphene{4} | 200.0 |
| 7 | Toxaphene{5} | 200.0 |
| 8 | Toxaphene{6} | 200.0 |
| 9 | Toxaphene{7} | 200.0 |
| 10 | Toxaphene{8} | 200.0 |
| 11 | Toxaphene{9} | 200.0 |
| 12 | Toxaphene{10} | 200.0 |
| 27 | Toxaphene TOTAL | 200.0 |

Data File : U:\DATAH\H120306\H120309.D\ECD1A.CH Vial: 9
Acq On : 3 Dec 2006 11:46 am Operator:
Sample : 576-23-TOX-1 Inst : GCSV H
Misc : Multiplr: 1.00
IntFile : PCB1.E

Data File : U:\DATAH\H120306\H120309.D\ECD2B.CH Vial: 9
Acq On : 3 Dec 2006 11:46 am Operator:
Sample : 576-24-INDAB-5 Inst : GCSV H
Misc : Multiplr: 1.00
IntFile : PCB2.E
Quant Time: Dec 8 14:11 2006 Quant Results File: H1203TOX.RES

Quant Method : U:\DATAH\H1203TOX.M (Chemstation Integrator)
Title : 91CLPPEST / OLM01.8
Last Update : Fri Dec 08 14:08:21 2006
Response via : Initial Calibration
RT via : U:\DATAH\H120306\H120309.D

REVIEWED
DEC 12 2006

Instrument Type :
Column Type :
Solvent Description :

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ppb | ppb |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachloro-m-xy | 3.137 | 2.750 | 1114895 | 3428173 | 8.033m | 8.000 |
| 2) | SA Decachlorobiphen | 11.933 | 12.004 | 887535 | 3198112 | 8.000 | 8.000 |
| | Target Compounds | | | | | | |
| 3) | LG1 Toxaphene{1} | 8.159 | 7.799 | 127489 | 711071 | 200.000 | 199.964m |
| 4) | LG1 Toxaphene{2} | 8.328 | 8.221 | 110192 | 707320 | 200.000 | 200.000 |
| 5) | LG1 Toxaphene{3} | 8.532 | 8.680 | 415998 | 1775996 | 200.000 | 200.443m |
| 6) | LG1 Toxaphene{4} | 9.326 | 9.143 | 631478 | 1541973 | 199.616m | 200.000 |
| 7) | LG1 Toxaphene{5} | 9.417 | 9.182 | 801182 | 1412086 | 200.000 | 200.000 |
| 8) | LG1 Toxaphene{6} | 9.934 | 9.791 | 856859 | 2570464 | 199.769m | 200.010m |
| 9) | LG1 Toxaphene{7} | 10.066 | 9.938 | 1316012 | 4406269 | 199.868m | 200.376m |
| 10) | LG1 Toxaphene{8} | 10.185 | 10.206 | 312268 | 567571 | 200.000 | 200.000 |
| 11) | LG1 Toxaphene{9} | 10.457 | 10.353 | 697962 | 2126659 | 199.623m | 199.957m |
| 12) | LG1 Toxaphene{10} | 10.682 | 10.688 | 315343 | 399231 | 200.000 | 200.000 |
| 13) | LG1 Toxaphene TOTAL | 0.000 | 0.000 | 5584783 | 16218640 | 199.843m | 200.145m |
| | Sum Toxaphene | | | 5584783 | 16218640 | 1998.876 | 2000.751 |
| Average | Toxaphene | | | | | 199.888 | 200.075 |

030036

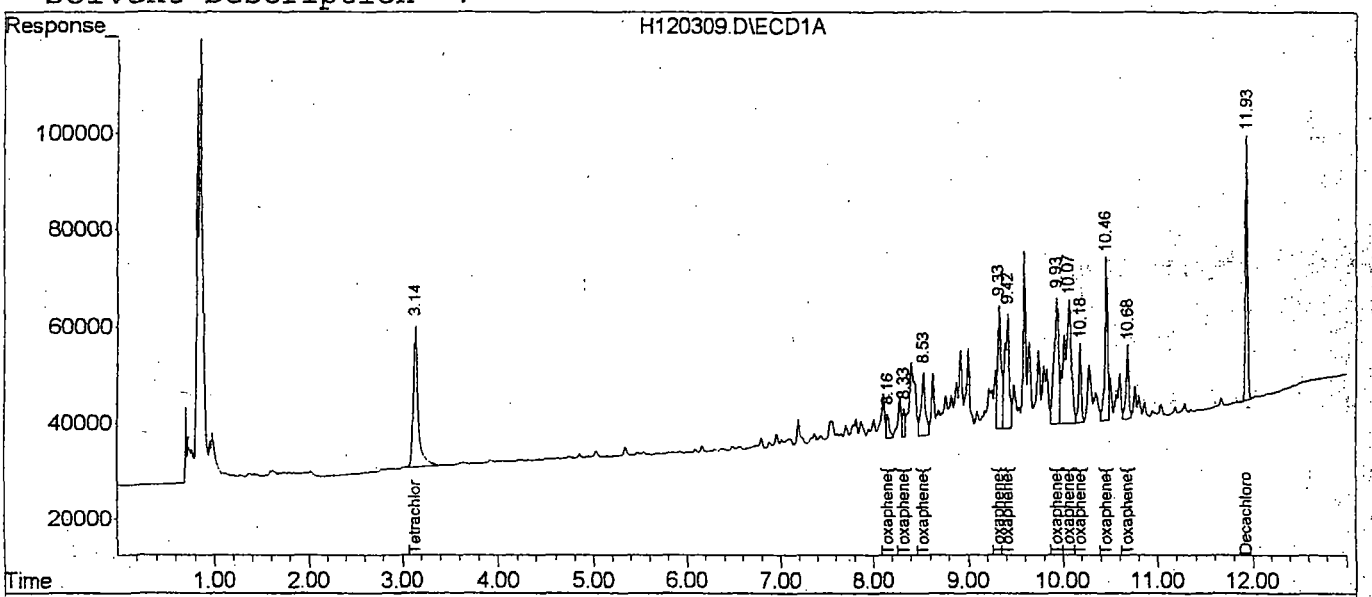
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

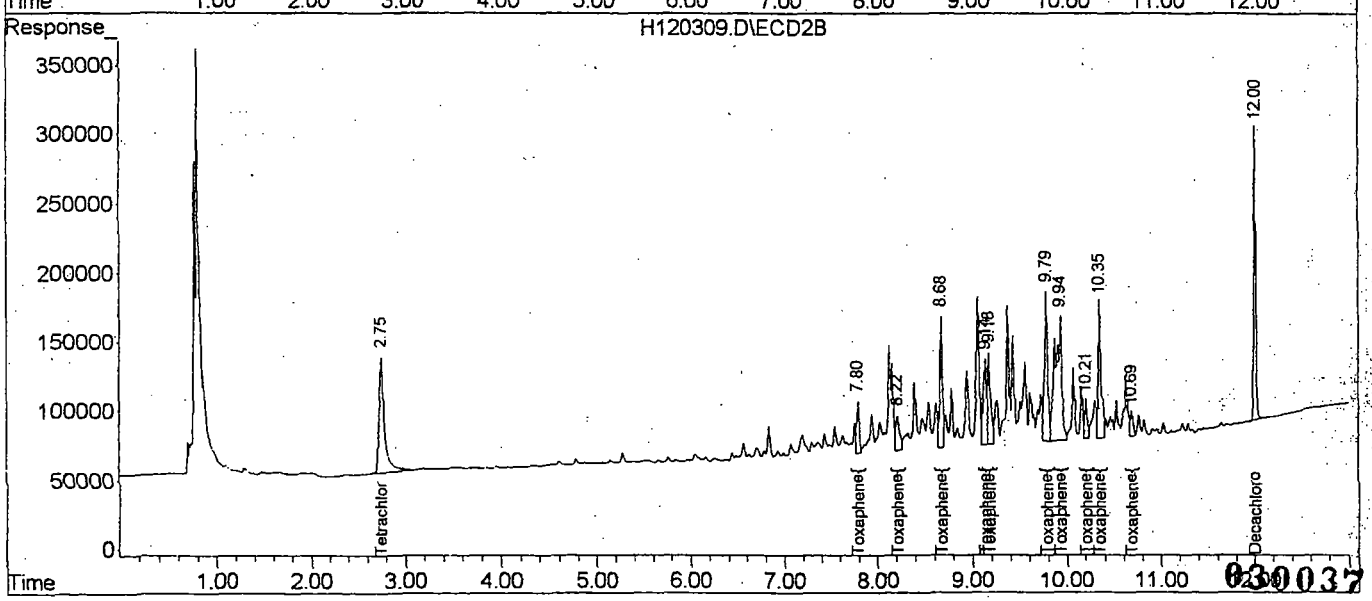
Data File : U:\DATAH\H120306\H120309.D\ECD1A.CH  Vial: 9
Acq On : 3 Dec 2006 11:46 am  Operator:
Sample : 576-23-TOX-1  Inst : GCSV H
Misc :  Multiplr: 1.00
IntFile : PCB1.E

Data File : U:\DATAH\H120306\H120309.D\ECD2B.CH  Vial: 9
Acq On : 3 Dec 2006 11:46 am  Operator:
Sample : 576-24-INDAB-5  Inst : GCSV H
Misc :  Multiplr: 1.00
IntFile : PCB2.E
Quant Time: Dec 8 14:11 2006 Quant Results File: H1203TOX.RES

Quant Method : U:\DATAH\H1203TOX.M (Chemstation Integrator)
Title : 91CLPPEST / OLM01.8
Last Update : Fri Dec 08 14:08:21 2006
Response via : Single Level Calibration
RT via : U:\DATAH\H120306\H120309.D

Instrument Type :
Column Type :
Solvent Description :




030037

Continuing Calibration Report

Quant Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix
Last Update : Mon Dec 18 10:43:01 2006
Response via : Initial Calibration
RT via : U:\DATAH\H121806\H121806.D
Continuing Calibration File: H121812.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 15% Max. Rel. Area : 150%

Column A

| | | Compound | CCRT | Expected Window | | AvgRF | CCRF | | %Dev |
|---|---|---|---|---|---|---|---|---|---|
| 1 | S | Tetrachloro-m-xylene | 3.228 | 3.207 | 3.257 | 108.421 | 110.176 | E3 | -1.62 |
| 2 | T | alpha-BHC | 4.322 | 4.303 | 4.347 | 125.939 | 120.305 | E3 | 4.47 |
| 3 | T | gamma-BHC | 4.906 | 4.885 | 4.929 | 117.738 | 114.545 | E3 | 2.71 |
| 4 | T | beta-BHC | 5.079 | 5.059 | 5.103 | 53.605 | 54.999 | E3 | -2.60 |
| 5 | T | delta-BHC | 5.384 | 5.363 | 5.407 | 110.064 | 119.890 | E3 | -8.93 |
| 6 | T | Heptachlor | 5.720 | 5.699 | 5.743 | 104.816 | 104.651 | E3 | 0.16 |
| 7 | T | Aldrin | 6.216 | 6.194 | 6.238 | 112.748 | 110.945 | E3 | 1.60 |
| 8 | T | Heptachlor epoxide | 7.199 | 7.179 | 7.219 | 105.429 | 107.328 | E3 | -1.80 |
| 9 | T | gamma-Chlordane | 7.390 | 7.371 | 7.411 | 103.070 | 105.597 | E3 | -2.45 |
| 10 | T | alpha-Chlordane | 7.594 | 7.574 | 7.614 | 104.481 | 93.115 | E3 | 10.88 |
| 11 | L1 | Chlordane {1} | 7.390 | 7.371 | 7.411 | 0.000 | 105597.036 | | 0.00 |
| 12 | L1 | Chlordane {2} | 7.594 | 7.574 | 7.614 | 0.000 | 93114.663 | | 0.00 |
| 13 | L1 | Chlordane TOTAL | 0.000 | 0.000 | 0.020 | 103.776 | 99.356 | E3 | 4.26 |
| 14 | T | 4,4'-DDE | 7.735 | 7.715 | 7.755 | 107.095 | 105.288 | E3 | 1.69 |
| 15 | T | Endosulfan I | 7.802 | 7.782 | 7.822 | 105.949 | 99.190 | E3 | 6.38 |
| 16 | T | Dieldrin | 8.166 | 8.146 | 8.186 | 105.081 | 97.479 | E3 | 7.23 |
| 17 | T | Endrin | 8.512 | 8.492 | 8.532 | 80.156 | 78.749 | E3 | 1.76 |
| 18 | T | 4,4'-DDD | 8.635 | 8.615 | 8.655 | 85.471 | 76.167 | E3 | 10.89 |
| 19 | T | Endosulfan II | 8.851 | 8.832 | 8.872 | 92.224 | 92.165 | E3 | 0.06 |
| 20 | T | 4,4'-DDT | 9.041 | 9.021 | 9.061 | 66.808 | N/A | E3 | N/A |
| | | | | | | % Drift = 6.96 | | | |
| 21 | T | Endrin aldehyde | 9.474 | 9.454 | 9.494 | 63.983 | 61.969 | E3 | 3.15 |
| 22 | T | Methoxychlor | 9.763 | 9.743 | 9.783 | 36.911 | 38.916 | E3 | -5.43 |
| 23 | T | Endosulfan Sulfate | 10.110 | 10.090 | 10.130 | 86.387 | 86.240 | E3 | 0.17 |
| 24 | T | Endrin ketone | 10.513 | 10.494 | 10.534 | 108.329 | 105.848 | E3 | 2.29 |
| 25 | S | Decachlorobiphenyl | 11.942 | 11.917 | 11.967 | 85.636 | 77.146 | E3 | 9.92 |

Total Average %DEV 4.11

030038

(#) = Out of Range

# Continuing Calibration Report

Quant Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix
Last Update : Mon Dec 18 10:43:01 2006
Response via : Initial Calibration
RT via : U:\DATAH\H121806\H121806.D
Continuing Calibration File: H121812.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 15% Max. Rel. Area : 150%

Column B

| | | Compound | CCRT | Expected Window | | AvgRF | CCRF | | %Dev |
|---|---|---|---|---|---|---|---|---|---|
| 1 | S | Tetrachloro-m-xylene | 2.845 | 2.823 | 2.873 | 324.863 | 311.037 | E3 | 4.26 |
| 2 | T | alpha-BHC | 4.019 | 3.997 | 4.041 | 449.910 | 433.513 | E3 | 3.64 |
| 3 | T | gamma-BHC | 4.656 | 4.634 | 4.678 | 388.025 | 379.569 | E3 | 2.18 |
| 4 | T | beta-BHC | 4.825 | 4.802 | 4.846 | 181.945 | 179.368 | E3 | 1.42 |
| 5 | T | delta-BHC | 5.314 | 5.290 | 5.334 | 377.700 | 399.132 | E3 | -5.67 |
| 6 | T | Heptachlor | 5.393 | 5.370 | 5.414 | 362.709 | 360.755 | E3 | 0.54 |
| 7 | T | Aldrin | 5.908 | 5.884 | 5.928 | 398.754 | 391.371 | E3 | 1.85 |
| 8 | T | Heptachlor epoxide | 6.817 | 6.794 | 6.834 | 364.294 | 364.344 | E3 | -0.01 |
| 9 | T | gamma-Chlordane#2 | 7.109 | 7.086 | 7.126 | 367.000 | 358.228 | E3 | 2.39 |
| 10 | T | alpha-Chlordane#2 | 7.332 | 7.309 | 7.349 | 375.006 | 359.576 | E3 | 4.11 |
| 11 | L1 | Chlordane {1} | 7.109 | 7.086 | 7.126 | 0.000 | 357502.548 | | 0.00 |
| 12 | L1 | Chlordane {2} | 7.332 | 7.309 | 7.349 | 0.000 | 361383.895 | | 0.00 |
| 13 | L1 | Chlordane TOTAL | 0.000 | 0.000 | 0.020 | 371.097 | 359.443 | E3 | 3.14 |
| 14 | T | 4,4'-DDE | 7.629 | 7.607 | 7.647 | 368.570 | 348.641 | E3 | 5.41 |
| 15 | T | Endosulfan I #3 | 7.401 | 7.378 | 7.418 | 350.739 | 329.830 | E3 | 5.96 |
| 16 | T | Dieldrin | 7.810 | 7.788 | 7.828 | 366.247 | 342.155 | E3 | 6.58 |
| 17 | T | Endrin | 8.251 | 8.228 | 8.268 | 277.565 | 277.020 | E3 | 0.20 |
| 18 | T | 4,4'-DDD | 8.478 | 8.456 | 8.496 | 309.436 | 271.269 | E3 | 12.33 |
| 19 | T | Endosulfan II | 8.567 | 8.546 | 8.586 | 326.270 | 313.133 | E3 | 4.03 |
| 20 | T | 4,4'-DDT | 8.927 | 8.905 | 8.945 | 227.493 | 237.525 | E3 | -4.41 |
| 21 | T | Endrin aldehyde | 9.063 | 9.042 | 9.082 | 221.992 | 234.036 | E3 | -5.43 |
| 22 | T | Methoxychlor | 9.940 | 9.918 | 9.958 | 115.872 | 118.500 | E3 | -2.27 |
| 23 | T | Endosulfan Sulfate # | 9.464 | 9.442 | 9.482 | 291.738 | 288.474 | E3 | 1.12 |
| 24 | T | Endrin ketone | 10.213 | 10.191 | 10.231 | 360.199 | 348.756 | E3 | 3.18 |
| 25 | S | Decachlorobiphenyl | 12.012 | 11.985 | 12.035 | 310.752 | 281.713 | E3 | 9.34 |

Total Average %DEV 3.89

**030039**

(#) = Out of Range

Signal #1 : U:\DATAH\H121806\H121812.D\ECD1A.CH Vial: 6
Signal #2 : U:\DATAH\H121806\H121812.D\ECD2B.CH
Acq On : 18 Dec 2006 11:39 am Operator:
Sample : 576-41-INDAB-3 Inst : GCSV H
Misc : Multiplr: 1.00
IntFile Signal #1: PEST1.E IntFile Signal #2: PEST2.E
Quant Time: Dec 18 11:56 2006 Quant Results File: H120306.RES

Quant Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix
Last Update : Mon Dec 18 10:43:01 2006
Response via : Initial Calibration
RT via : U:\DATAH\H121806\H121806.D

Instrument Type :
Column Type :
Solvent Description :

REVIEWED

| | | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | PPB | PPB |
|---|---|---|---|---|---|---|---|---|
| | | System Monitoring Compounds | | | | | | |
| 1) | S | Tetrachloro-m-xy | 3.228 | 2.845 | 4407034 | 12441494 | 40.647 | 38.298m |
| 25) | S | Decachlorobiphen | 11.942 | 12.012 | 6171642 | 22537041 | 72.068 | 72.524 |
| | | Target Compounds | | | | | | |
| 2) | T | alpha-BHC | 4.322 | 4.019 | 2406102 | 8670261 | 19.105 | 19.271 |
| 3) | T | gamma-BHC | 4.906 | 4.656 | 2290895 | 7591374 | 19.458 | 19.564m |
| 4) | T | beta-BHC | 5.079 | 4.825 | 1099985 | 3587364 | 20.520 | 19.717 |
| 5) | T | delta-BHC | 5.384 | 5.314 | 2397803 | 7982649 | 21.786 | 21.135 |
| 6) | T | Heptachlor | 5.720 | 5.393 | 2093018 | 7215103 | 19.968 | 19.892 |
| 7) | T | Aldrin | 6.216 | 5.908 | 2218905 | 7827426 | 19.680 | 19.630 |
| 8) | T | Heptachlor epoxi | 7.199 | 6.817 | 2146554 | 7286880 | 20.360 | 20.003m |
| 9) | T | gamma-Chlordane | 7.390 | 7.109 | 2111941 | 7164552 | 20.490 | 19.522m |
| 10) | T | alpha-Chlordane | 7.594 | 7.332 | 1862293 | 7191514 | 17.824 | 19.177m |
| 13) | L1 | Chlordane TOTAL | 0.000 | 0.000 | 3974234 | 14377729 | 38.296m | 38.744m |
| 14) | T | 4,4'-DDE | 7.735 | 7.629 | 4211532 | 13945627 | 39.325m | 37.837 |
| 15) | T | Endosulfan I | 7.802 | 7.401 | 1983790 | 6596599 | 18.724 | 18.808 |
| 16) | T | Dieldrin | 8.166 | 7.810 | 3899178 | 13686202 | 37.107 | 37.369 |
| 17) | T | Endrin | 8.512 | 8.251 | 3149962 | 11080782 | 39.298m | 39.921 |
| 18) | T | 4,4'-DDD | 8.635 | 8.478 | 3046683 | 10850747 | 35.646 | 35.066m |
| 19) | T | Endosulfan II | 8.851 | 8.567 | 3686611 | 12525324 | 39.975m | 38.389m |
| 20) | T | 4,4'-DDT | 9.041 | 8.927 | 2918269 | 9501015 | 42.783m | 41.764 |
| 21) | T | Endrin aldehyde | 9.474 | 9.063 | 2478772 | 9361434 | 38.741 | 42.170 |
| 22) | T | Methoxychlor | 9.763 | 9.940 | 7783233 | 23700052 | 210.863 | 204.536 |
| 23) | T | Endosulfan Sulfa | 10.110 | 9.464 | 3449614 | 11538971 | 39.932 | 39.553 |
| 24) | T | Endrin ketone | 10.513 | 10.213 | 4233906 | 13950243 | 39.084m | 38.729m |

**030040**

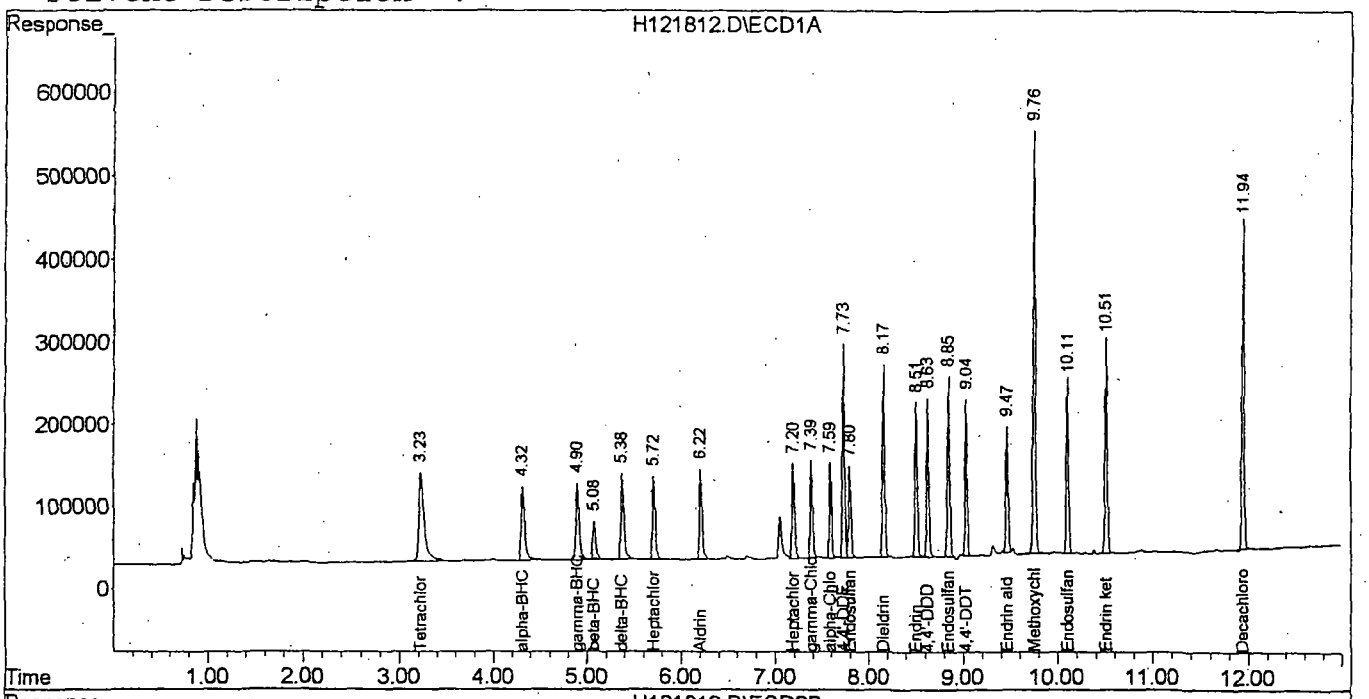
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

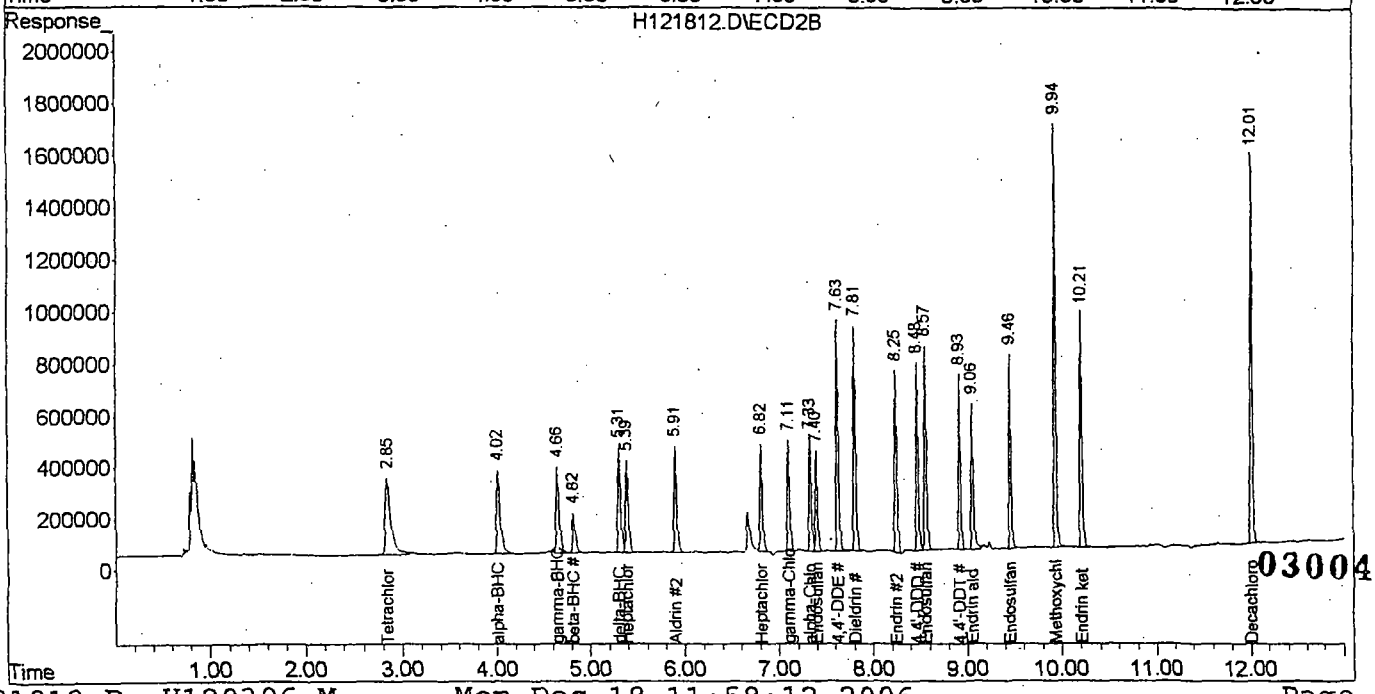
Quantitation Report (QT Reviewed)

Signal #1 : U:\DATAH\H121806\H121812.D\ECD1A.CH Vial: 6
Signal #2 : U:\DATAH\H121806\H121812.D\ECD2B.CH
Acq On : 18 Dec 2006 11:39 am Operator:
Sample : 576-41-INDAB-3 Inst : GCSV H
Misc : Multiplr: 1.00
IntFile Signal #1: PEST1.E IntFile Signal #2: PEST2.E
Quant Time: Dec 18 11:56 2006 Quant Results File: H120306.RES

Quant Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix
Last Update : Mon Dec 18 10:43:01 2006
Response via : Multiple Level Calibration
RT via : U:\DATAH\H121806\H121806.D

Instrument Type :
Column Type :
Solvent Description :




030041

PEM Breakdown Report SW

Signal #1 : U:\DATAH\H121806\H121813.D\ECD1A.CH Vial: 7
Signal #2 : U:\DATAH\H121806\H121813.D\ECD2B.CH
Acq On : 18 Dec 2006 11:56 am Operator:
Sample : 576-41-PEM Inst : GCSV H
Misc : Multiplr: 1.00
IntFile Signal #1: PEST1.E IntFile Signal #2: PEST2.E
Quant Time: Dec 18 12:19 2006 Quant Results File: H120306.RES

Quant Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix
Last Update : Mon Dec 18 12:18:31 2006
Response via :
RT via : U:\DATAH\H121806\H121812.D

Instrument Type :
Column Type :
Solvent Description :

-------- Column A ----------
Endrin breakdown % 3.869 Maximum 15%
DDT breakdown % 1.753 Maximum 15%

-------- Column B ----------
Endrin breakdown % 3.377 Maximum 15%
DDT breakdown % 2.070 Maximum 15%

030042

Quantitation Report (QT Reviewed)

Signal #1 : U:\DATAH\H121806\H121813.D\ECD1A.CH Vial: 7
Signal #2 : U:\DATAH\H121806\H121813.D\ECD2B.CH
Acq On : 18 Dec 2006 11:56 am Operator:
Sample : 576-41-PEM Inst : GCSV H
Misc : Multiplr: 1.00
IntFile Signal #1: PEST1.E IntFile Signal #2: PEST2.E
Quant Time: Dec 18 12:19 2006 Quant Results File: H120306.RES

Quant Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix
Last Update : Mon Dec 18 12:18:31 2006
Response via : Initial Calibration
RT via : U:\DATAH\H121806\H121812.D

REVIEWED

Instrument Type :
Column Type :
Solvent Description :

| | | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | PPB | PPB |
|---|---|---|---|---|---|---|---|---|
| | | System Monitoring Compounds | | | | | | |
| 1) | S | Tetrachloro-m-xy | 3.229 | 2.846 | 2716712 | 8247152 | 25.057 | 25.387 |
| 25) | S | Decachlorobiphen | 11.943 | 12.014 | 2163935 | 7558342 | 25.269 | 24.323 |
| | | Target Compounds | | | | | | |
| 2) | T | alpha-BHC | 4.322 | 4.019 | 1130471 | 4109610 | 8.976 | 9.134 |
| 3) | T | gamma-BHC | 4.905 | 4.657 | 1073297 | 3705859 | 9.116 | 9.551 |
| 4) | T | beta-BHC | 5.079 | 4.825 | 521882 | 1745048 | 9.736 | 9.591 |
| 14) | T | 4,4'-DDE | 7.736 | 7.629 | 42299 | 180910 | 0.395m | 0.491m |
| 17) | T | Endrin | 8.514 | 8.251 | 4164546 | 14426870 | 51.956 | 51.976 |
| 18) | T | 4,4'-DDD | 8.638 | 8.483 | 86224 | 313883 | 1.009m | 1.014 |
| 19) | T | Endosulfan II | 8.848 | 8.568 | 21131 | 95235 | 0.229m | 0.292m |
| 20) | T | 4,4'-DDT | 9.043 | 8.929 | 7201003 | 23412253 | 94.435m | 102.914 |
| 21) | T | Endrin aldehyde | 9.479 | 9.069 | 56557 | 150478 | 0.884m | 0.678m |
| 22) | T | Methoxychlor | 9.765 | 9.943 | 9166703 | 27947284 | 248.344 | 241.191 |
| 23) | T | Endosulfan Sulfa | 10.115 | 9.466 | 31145 | 93163 | 0.361m | 0.319m |
| 24) | T | Endrin ketone | 10.515 | 10.214 | 111053 | 353784 | 1.025m | 0.982 |

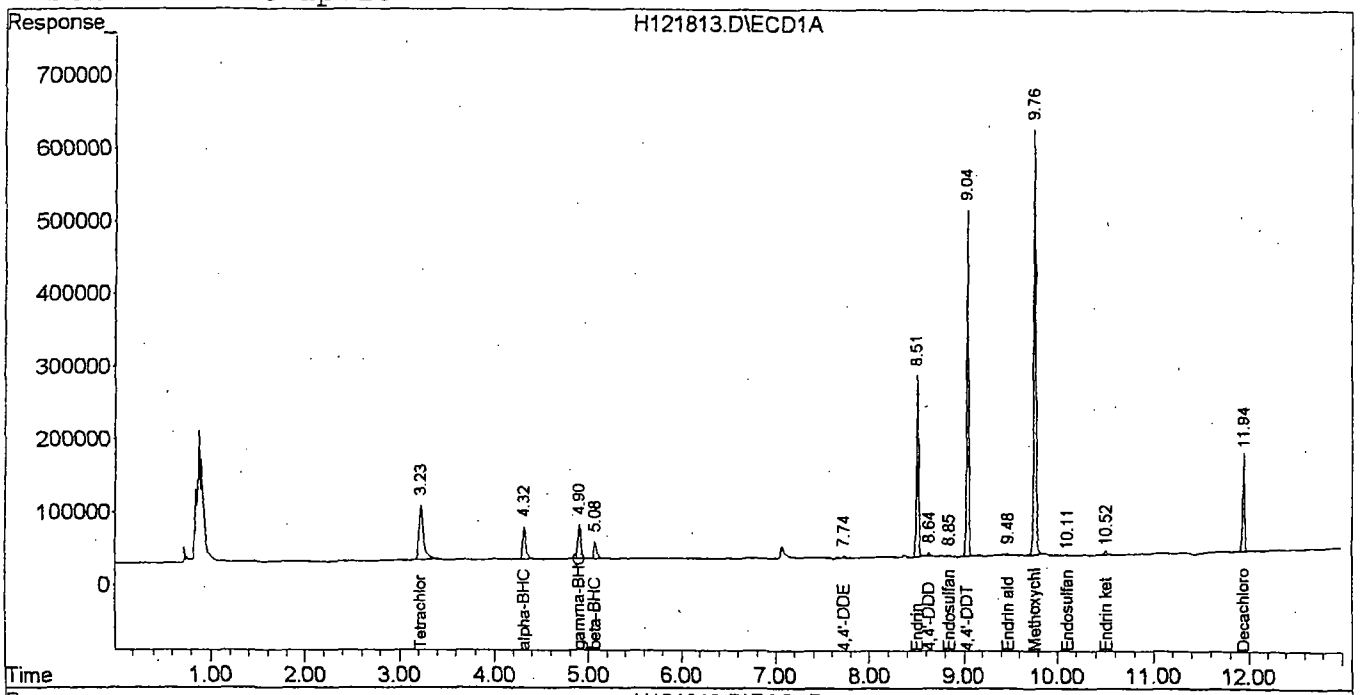
030043

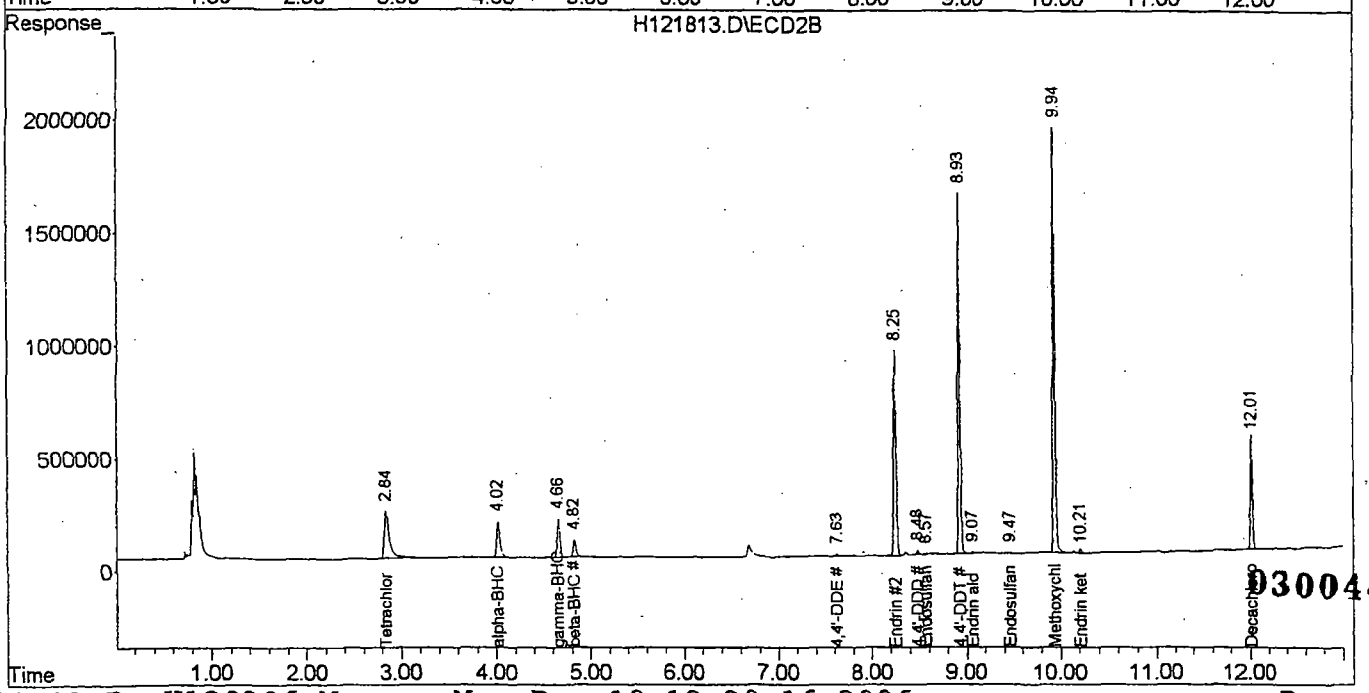
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Signal #1 : U:\DATAH\H121806\H121813.D\ECD1A.CH Vial: 7
Signal #2 : U:\DATAH\H121806\H121813.D\ECD2B.CH
Acq On : 18 Dec 2006 11:56 am Operator:
Sample : 576-41-PEM Inst : GCSV H
Misc : Multiplr: 1.00
IntFile Signal #1: PEST1.E IntFile Signal #2: PEST2.E
Quant Time: Dec 18 12:19 2006 Quant Results File: H120306.RES

Quant Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix
Last Update : Mon Dec 18 12:18:31 2006
Response via : Multiple Level Calibration
RT via : U:\DATAH\H121806\H121812.D

Instrument Type :
Column Type :
Solvent Description :




030044

FORM 7-E

# Continuing Calibration Report

Quant Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix
Last Update : Tue Dec 19 15:56:30 2006
Response via : Initial Calibration
RT via : U:\DATAH\H121806\H121812.D
Continuing Calibration File: H121819.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 15% Max. Rel. Area : 150%

Column A

| | | Compound | CCRT | Expected Window | | AvgRF | CCRF | | %Dev |
|---|---|---|---|---|---|---|---|---|---|
| 1 | S | Tetrachloro-m-xylene | 3.228 | 3.203 | 3.253 | 108.421 | 108.974 | E3 | -0.51 |
| 2 | T | alpha-BHC | 4.321 | 4.300 | 4.344 | 125.939 | 122.274 | E3 | 2.91 |
| 3 | T | gamma-BHC | 4.904 | 4.884 | 4.928 | 117.738 | 114.853 | E3 | 2.45 |
| 4 | T | beta-BHC | 5.078 | 5.057 | 5.101 | 53.605 | 53.991 | E3 | -0.72 |
| 5 | T | delta-BHC | 5.382 | 5.362 | 5.406 | 110.064 | 119.087 | E3 | -8.20 |
| 6 | T | Heptachlor | 5.718 | 5.698 | 5.742 | 104.816 | 103.508 | E3 | 1.25 |
| 7 | T | Aldrin | 6.214 | 6.194 | 6.238 | 112.748 | 111.147 | E3 | 1.42 |
| 8 | T | Heptachlor epoxide | 7.198 | 7.179 | 7.219 | 105.429 | 101.278 | E3 | 3.94 |
| 9 | T | gamma-Chlordane | 7.389 | 7.370 | 7.410 | 103.070 | 101.181 | E3 | 1.83 |
| 10 | T | alpha-Chlordane | 7.594 | 7.574 | 7.614 | 104.481 | 102.540 | E3 | 1.86 |
| 11 | L1 | Chlordane {1} | 7.389 | 7.370 | 7.410 | 0.000 | 101180.531 | | 0.00 |
| 12 | L1 | Chlordane {2} | 7.594 | 7.574 | 7.614 | 0.000 | 102402.031 | | 0.00 |
| 13 | L1 | Chlordane TOTAL | 0.000 | 0.000 | 0.020 | 103.776 | 101.791 | E3 | 1.91 |
| 14 | T | 4,4'-DDE | 7.735 | 7.715 | 7.755 | 107.095 | 101.247 | E3 | 5.46 |
| 15 | T | Endosulfan I | 7.801 | 7.782 | 7.822 | 105.949 | 99.970 | E3 | 5.64 |
| 16 | T | Dieldrin | 8.166 | 8.146 | 8.186 | 105.081 | 96.815 | E3 | 7.87 |
| 17 | T | Endrin | 8.512 | 8.492 | 8.532 | 80.156 | 77.190 | E3 | 3.70 |
| 18 | T | 4,4'-DDD | 8.636 | 8.615 | 8.655 | 85.471 | 73.248 | E3 | 14.30 |
| 19 | T | Endosulfan II | 8.852 | 8.831 | 8.871 | 92.224 | 90.024 | E3 | 2.39 |
| 20 | T | 4,4'-DDT | 9.043 | 9.021 | 9.061 | 66.808 | N/A | E3 | N/A |
| | | | | | | % Drift = 7.44 | | | |
| 21 | T | Endrin aldehyde | 9.475 | 9.454 | 9.494 | 63.983 | 62.288 | E3 | 2.65 |
| 22 | T | Methoxychlor | 9.765 | 9.743 | 9.783 | 36.911 | 35.917 | E3 | 2.69 |
| 23 | T | Endosulfan Sulfate | 10.111 | 10.090 | 10.130 | 86.387 | 84.428 | E3 | 2.27 |
| 24 | T | Endrin ketone | 10.516 | 10.493 | 10.533 | 108.329 | 104.205 | E3 | 3.81 |
| 25 | S | Decachlorobiphenyl | 11.943 | 11.917 | 11.967 | 85.636 | 77.041 | E3 | 10.04 |
| | | | | | | | Total Average %DEV | | 3.99 |

**030045**

(#) = Out of Range

# Continuing Calibration Report

Quant Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix
Last Update : Tue Dec 19 15:56:30 2006
Response via : Initial Calibration
RT via : U:\DATAH\H121806\H121812.D
Continuing Calibration File: H121819.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 15% Max. Rel. Area : 150%

Column B

| | | Compound | CCRT | Expected Window | | AvgRF | CCRF | | %Dev |
|---|---|---|---|---|---|---|---|---|---|
| 1 | S | Tetrachloro-m-xylene | 2.842 | 2.820 | 2.870 | 324.863 | 319.402 | E3 | 1.68 |
| 2 | T | alpha-BHC | 4.016 | 3.997 | 4.041 | 449.910 | 439.233 | E3 | 2.37 |
| 3 | T | gamma-BHC | 4.652 | 4.634 | 4.678 | 388.025 | 390.719 | E3 | -0.69 |
| 4 | T | beta-BHC | 4.821 | 4.803 | 4.847 | 181.945 | 182.523 | E3 | -0.32 |
| 5 | T | delta-BHC | 5.309 | 5.292 | 5.336 | 377.700 | 409.688 | E3 | -8.47 |
| 6 | T | Heptachlor | 5.389 | 5.371 | 5.415 | 362.709 | 367.958 | E3 | -1.45 |
| 7 | T | Aldrin | 5.904 | 5.886 | 5.930 | 398.754 | 401.151 | E3 | -0.60 |
| 8 | T | Heptachlor epoxide | 6.813 | 6.797 | 6.837 | 364.294 | 361.847 | E3 | 0.67 |
| 9 | T | gamma-Chlordane#2 | 7.105 | 7.089 | 7.129 | 367.000 | 364.504 | E3 | 0.68 |
| 10 | T | alpha-Chlordane#2 | 7.328 | 7.312 | 7.352 | 375.006 | 366.187 | E3 | 2.35 |
| 11 | L1 | Chlordane {1} | 7.105 | 7.089 | 7.129 | 0.000 | 364503.530 | | 0.00 |
| 12 | L1 | Chlordane {2} | 7.328 | 7.312 | 7.352 | 0.000 | 366929.653 | | 0.00 |
| 13 | L1 | Chlordane TOTAL | 0.000 | 0.000 | 0.020 | 371.097 | 365.717 | E3 | 1.45 |
| 14 | T | 4,4'-DDE | 7.627 | 7.609 | 7.649 | 368.570 | 352.800 | E3 | 4.28 |
| 15 | T | Endosulfan I #3 | 7.396 | 7.381 | 7.421 | 350.739 | 328.277 | E3 | 6.40 |
| 16 | T | Dieldrin | 7.807 | 7.790 | 7.830 | 366.247 | 344.068 | E3 | 6.06 |
| 17 | T | Endrin | 8.246 | 8.231 | 8.271 | 277.565 | 261.485 | E3 | 5.79 |
| 18 | T | 4,4'-DDD | 8.477 | 8.458 | 8.498 | 309.436 | 266.081 | E3 | 14.01 |
| 19 | T | Endosulfan II | 8.565 | 8.547 | 8.587 | 326.270 | 317.317 | E3 | 2.74 |
| 20 | T | 4,4'-DDT | 8.926 | 8.907 | 8.947 | 227.493 | 228.952 | E3 | -0.64 |
| 21 | T | Endrin aldehyde | 9.062 | 9.043 | 9.083 | 221.992 | 212.302 | E3 | 4.36 |
| 22 | T | Methoxychlor | 9.939 | 9.920 | 9.960 | 115.872 | 110.132 | E3 | 4.95 |
| 23 | T | Endosulfan Sulfate # | 9.462 | 9.444 | 9.484 | 291.738 | 285.136 | E3 | 2.26 |
| 24 | T | Endrin ketone | 10.211 | 10.193 | 10.233 | 360.199 | 343.677 | E3 | 4.59 |
| 25 | S | Decachlorobiphenyl | 12.011 | 11.987 | 12.037 | 310.752 | 282.033 | E3 | 9.24 |

Total Average %DEV 3.74

030046

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data File : U:\DATAH\H121806\H121819.D\ECD1A.CH Vial: 96
Acq On : 18 Dec 2006 4:11 pm Operator:
Sample : 576-41-INDAB-3 Inst : GCSV H
Misc : Multiplr: 1.00
IntFile : PEST1.E

Data File : U:\DATAH\H121806\H121819.D\ECD2B.CH Vial: 96
Acq On : 18 Dec 2006 4:11 pm Operator:
Sample : 576-41-PEM Inst : GCSV H
Misc : Multiplr: 1.00
IntFile : PEST2.E
Quant Time: Dec 19 15:59 2006 Quant Results File: H120306.RES

Quant Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix
Last Update : Tue Dec 19 15:56:30 2006
Response via : Initial Calibration
RT via : U:\DATAH\H121806\H121812.D

REVIEWED
DEC 2 4 2006

Instrument Type :
Column Type :
Solvent Description :

| | | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | PPB | PPB |
|---|---|---|---|---|---|---|---|---|
| | | System Monitoring Compounds | | | | | | |
| 1) | S | Tetrachloro-m-xy | 3.228 | 2.842 | 4358966 | 12776097 | 40.204 | 39.328 |
| 25) | S | Decachlorobiphen | 11.943 | 12.011 | 6163303 | 22562625 | 71.971 | 72.606m |
| | | Target Compounds | | | | | | |
| 2) | T | alpha-BHC | 4.321 | 4.016 | 2445478 | 8784654 | 19.418 | 19.525 |
| 3) | T | gamma-BHC | 4.904 | 4.652 | 2297056 | 7814389 | 19.510 | 20.139 |
| 4) | T | beta-BHC | 5.078 | 4.821 | 1079826 | 3650464 | 20.144 | 20.064 |
| 5) | T | delta-BHC | 5.382 | 5.309 | 2381733 | 8193761 | 21.640 | 21.694 |
| 6) | T | Heptachlor | 5.718 | 5.389 | 2070169 | 7359155 | 19.750 | 20.289 |
| 7) | T | Aldrin | 6.214 | 5.904 | 2222939 | 8023025 | 19.716 | 20.120 |
| 8) | T | Heptachlor epoxi | 7.198 | 6.813 | 2025570 | 7236934 | 19.213 | 19.866 |
| 9) | T | gamma-Chlordane | 7.389 | 7.105 | 2023611 | 7290071 | 19.633 | 19.864 |
| 10) | T | alpha-Chlordane | 7.594 | 7.328 | 2050801 | 7323737 | 19.628m | 19.530m |
| 13) | L1 | Chlordane TOTAL | 0.000 | 0.000 | 4071651 | 14628664 | 39.235m | 39.420m |
| 14) | T | 4,4'-DDE | 7.735 | 7.627 | 4049867 | 14112000 | 37.816 | 38.288 |
| 15) | T | Endosulfan I | 7.801 | 7.396 | 1999407 | 6565534 | 18.871 | 18.719 |
| 16) | T | Dieldrin | 8.166 | 7.807 | 3872604 | 13762729 | 36.854 | 37.578 |
| 17) | T | Endrin | 8.512 | 8.246 | 3087590 | 10459406 | 38.520 | 37.683m |
| 18) | T | 4,4'-DDD | 8.636 | 8.477 | 2929906 | 10643251 | 34.279 | 34.396 |
| 19) | T | Endosulfan II | 8.852 | 8.565 | 3600964 | 12692692 | 39.046 | 38.902 |
| 20) | T | 4,4'-DDT | 9.043 | 8.926 | 2440697 | 9158081 | 37.023 | 40.256 |
| 21) | T | Endrin aldehyde | 9.475 | 9.062 | 2491519 | 8492089 | 38.940m | 38.254 |
| 22) | T | Methoxychlor | 9.765 | 9.939 | 7183454 | 22026377 | 194.614m | 190.092m |
| 23) | T | Endosulfan Sulfa | 10.111 | 9.462 | 3377131 | 11405455 | 39.093 | 39.095 |
| 24) | T | Endrin ketone | 10.516 | 10.211 | 4168187 | 13747073 | 38.477 | 38.165m |

030047

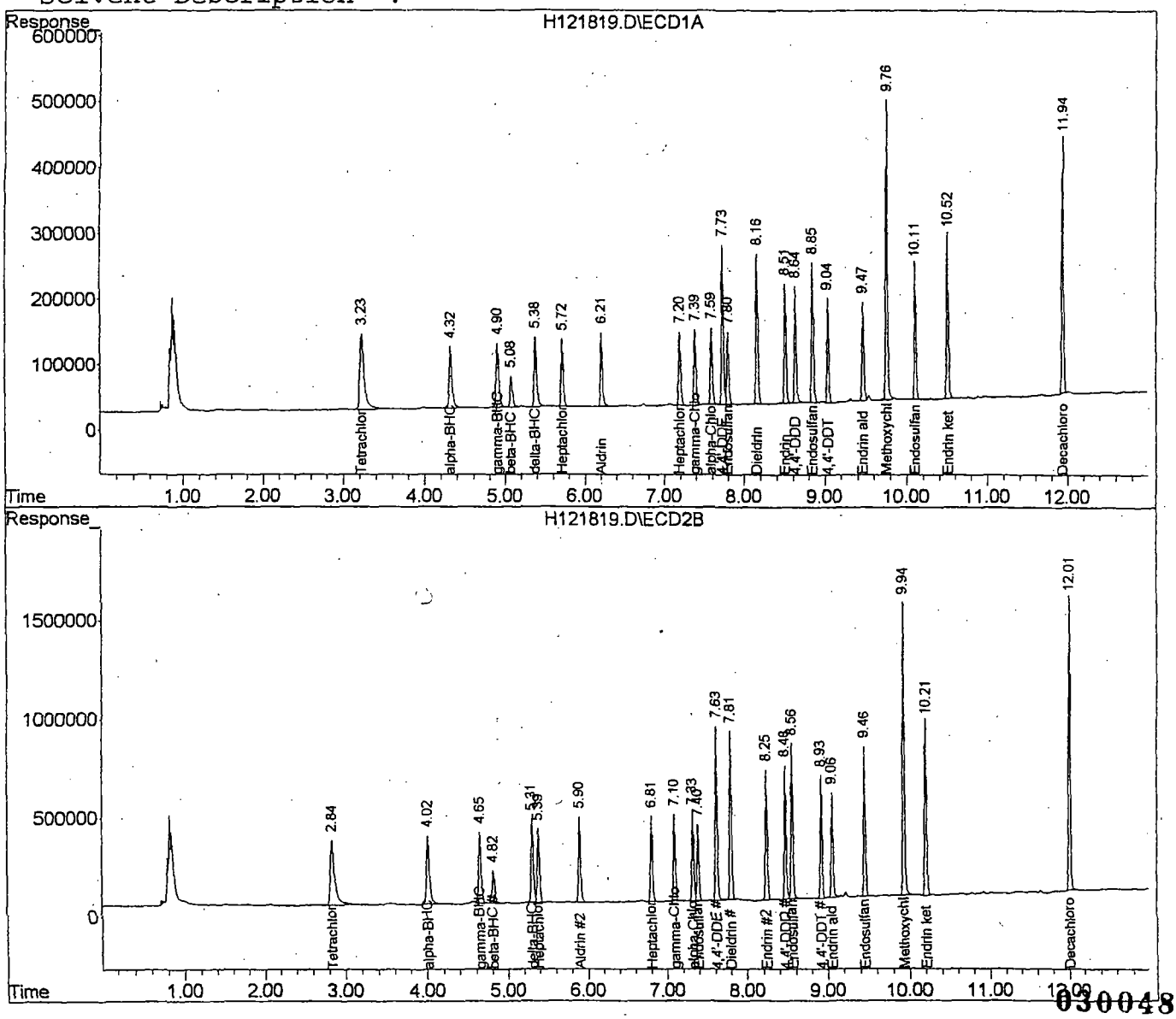
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Data File : U:\DATAH\H121806\H121819.D\ECD1A.CH Vial: 96
Acq On : 18 Dec 2006 4:11 pm Operator:
Sample : 576-41-INDAB-3 Inst : GCSV H
Misc : Multiplr: 1.00
IntFile : PEST1.E

Data File : U:\DATAH\H121806\H121819.D\ECD2B.CH Vial: 96
Acq On : 18 Dec 2006 4:11 pm Operator:
Sample : 576-41-PEM Inst : GCSV H
Misc : Multiplr: 1.00
IntFile : PEST2.E
Quant Time: Dec 19 15:59 2006 Quant Results File: H120306.RES

Quant Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix
Last Update : Tue Dec 19 15:56:30 2006
Response via : Multiple Level Calibration
RT via : U:\DATAH\H121806\H121812.D

Instrument Type :
Column Type :
Solvent Description :



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www.pacelabs.com

**PESTICIDES**

**RAW QC**

**SDG: 2064976**

Pace Analytical
New Orleans Laboratory

# Report of Method Blank

**Pace Analytical Services, Inc.**
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

**Lab ID:** 20489672

**Description:** 8081 Pests Water **Project No.:** 2064976

**Method:** EPA 8081 **Batch:** 79516 **Units:** ug/L

**Prep Factor:** 1 **Leached:** **Prepared:** 12-Dec-06 **Analyzed:** 12/18/06 12:12 SLF (1)

| CAS Number | Parameter | Dilution | Result | Qu | Reporting Limit |
|---|---|---|---|---|---|
| 309-00-2 | Aldrin | 1 | ND | | 0.0500 |
| 319-84-6 | alpha-BHC | 1 | ND | | 0.0500 |
| 319-85-7 | beta-BHC | 1 | ND | | 0.0500 |
| 319-86-8 | delta-BHC | 1 | ND | | 0.0500 |
| 58-89-9 | gamma-BHC (Lindane) | 1 | ND | | 0.0500 |
| 5103-71-9 | alpha-Chlordane | 1 | ND | | 0.0500 |
| 5103-74-2 | gamma-Chlordane | 1 | ND | | 0.0500 |
| 72-54-8 | 4,4'-DDD | 1 | ND | | 0.100 |
| 72-55-9 | 4,4'-DDE | 1 | ND | | 0.100 |
| 50-29-3 | 4,4'-DDT | 1 | ND | | 0.100 |
| 60-57-1 | Dieldrin | 1 | ND | | 0.100 |
| 959-98-8 | Endosulfan I | 1 | ND | | 0.0500 |
| 33213-65-9 | Endosulfan II | 1 | ND | | 0.100 |
| 1031-07-8 | Endosulfan sulfate | 1 | ND | | 0.100 |
| 72-20-8 | Endrin | 1 | ND | | 0.100 |
| 7421-93-4 | Endrin aldehyde | 1 | ND | | 0.100 |
| 53494-70-5 | Endrin ketone | 1 | ND | | 0.100 |
| 76-44-8 | Heptachlor | 1 | ND | | 0.0500 |
| 1024-57-3 | Heptachlor epoxide | 1 | ND | | 0.0500 |
| 72-43-5 | Methoxychlor | 1 | ND | | 0.500 |
| 8001-35-2 | Toxaphene | 1 | ND | | 2.00 |

**21 compound(s) reported**

ND denotes Not Detected at or above the reporting limit.
DF denotes Dilution Factor.
RL denotes sample Reporting Limit.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

1/5/2007 10:15:17

*New Orleans Laboratory Certifications*
*Louisiana Dept. of Environmental Quality (LELAP) - 02006*
*Arkansas Dept. of Environmental Quality - 88-0681*
*Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023*
*Florida Dept. of Health (NELAC) - E87595*
*Kansas Dept. of Health Environment - E-10266*
*U.S. Dept. of Agriculture Foreign Soil Permit - S-47[illegible]*

Signal #1 : U:\DATAH\H121806\H121814.D\ECD1A.CH Vial: 91
Signal #2 : U:\DATAH\H121806\H121814.D\ECD2B.CH
Acq On : 18 Dec 2006 12:12 pm Operator:
Sample : 20489672/79516B Inst : GCSV H
Misc : 79516 1:1 Multiplr: 1.00
IntFile Signal #1: PEST1.E IntFile Signal #2: PEST2.E
Quant Time: Dec 19 15:59 2006 Quant Results File: H120306.RES

Quant Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix
Last Update : Tue Dec 19 15:56:30 2006
Response via : Initial Calibration
RT via : U:\DATAH\H121806\H121812.D

Instrument Type :
Column Type :
Solvent Description :

| | | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | PPB | PPB | |
|---|---|---|---|---|---|---|---|---|---|
| | | System Monitoring Compounds | | | | | | | |
| 1) | S | Tetrachloro-m-xy | 3.233 | 2.851 | 1411015 | 3635986 | 13.014 | 11.192 | |
| 25) | S | Decachlorobiphen | 11.945 | 12.015 | 1241308 | 4281513 | 14.495 | 13.778 | |
| | | Target Compounds | | | | | | | |
| 5) | T | delta-BHC | 0.000 | 5.320 | 0 | 362246 | N.D. | 0.959 | # BDL |
| 15) | T | Endosulfan I | 7.817 | 0.000 | 1579122 | 0 | 14.905 | N.D. | # CNP |

REVIEWED
DEC 22 2006

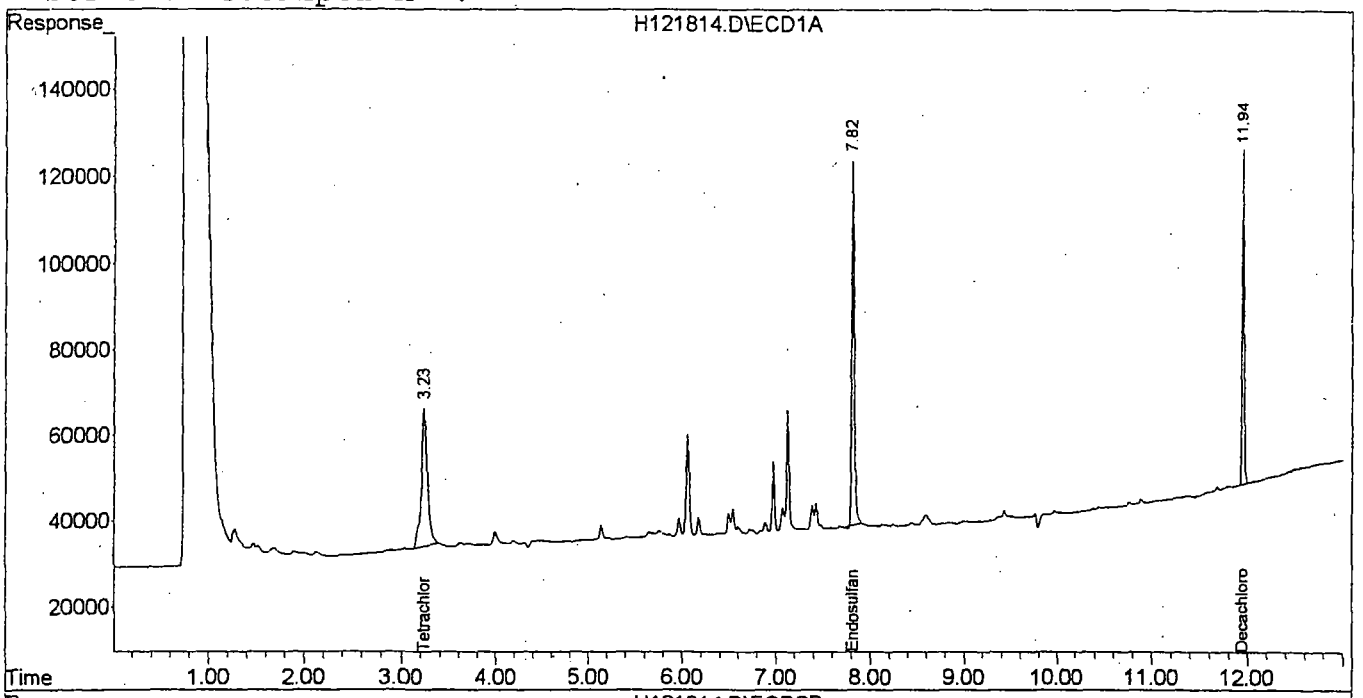
030051

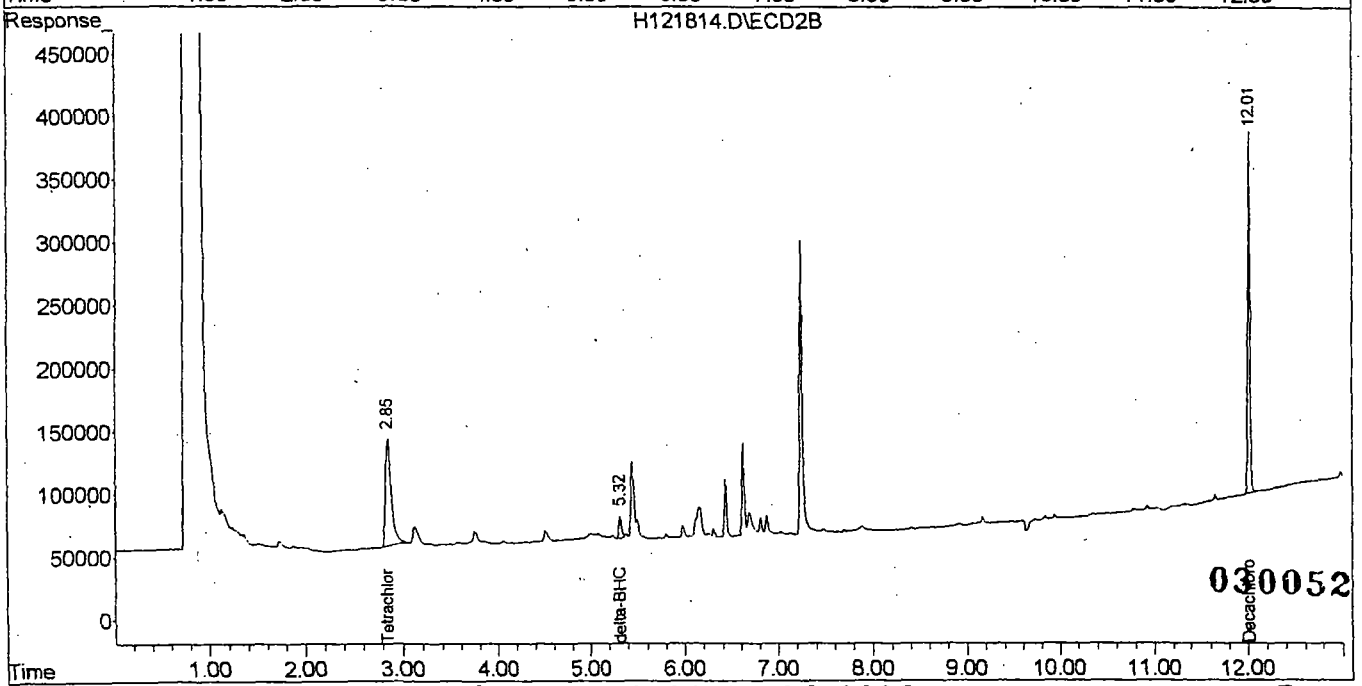
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Signal #1 : U:\DATAH\H121806\H121814.D\ECD1A.CH Vial: 91
Signal #2 : U:\DATAH\H121806\H121814.D\ECD2B.CH
Acq On : 18 Dec 2006 12:12 pm Operator:
Sample : 20489672/79516B Inst : GCSV H
Misc : 79516 1:1 Multiplr: 1.00
IntFile Signal #1: PEST1.E IntFile Signal #2: PEST2.E
Quant Time: Dec 19 15:59 2006 Quant Results File: H120306.RES

Quant Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix
Last Update : Tue Dec 19 15:56:30 2006
Response via : Multiple Level Calibration
RT via : U:\DATAH\H121806\H121812.D

Instrument Type :
Column Type :
Solvent Description :




030052

Signal #1 : U:\DATAH\H121806\H121815.D\ECD1A.CH Vial: 92
Signal #2 : U:\DATAH\H121806\H121815.D\ECD2B.CH
Acq On : 18 Dec 2006 12:29 pm Operator:
Sample : 20489673/79516S Inst : GCSV H
Misc : 79516 1:1 Multiplr: 1.00
IntFile Signal #1: PEST1.E IntFile Signal #2: PEST2.E
Quant Time: Dec 21 14:19 2006 Quant Results File: H120306.RES

Quant Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix
Last Update : Tue Dec 19 15:56:30 2006
Response via : Initial Calibration
RT via : U:\DATAH\H121806\H121812.D

Instrument Type :
Column Type :
Solvent Description :

| | | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | PPB | PPB |
|---|---|---|---|---|---|---|---|---|
| | | System Monitoring Compounds | | | | | | |
| 1) | S | Tetrachloro-m-xy | 3.236 | 2.856 | 1267340 | 3697650 | 11.689 | 11.382 |
| 25) | S | Decachlorobiphen | 11.944 | 12.015 | 1119527 | 3797189 | 13.073 | 12.219 |
| | | Target Compounds | | | | | | |
| 2) | T | alpha-BHC | 4.327 | 4.025 | 5160675 | 18459485 | 40.977 | 41.029 |
| 3) | T | gamma-BHC | 4.910 | 4.661 | 5087128 | 16716587 | 43.207 | 43.081 |
| 4) | T | beta-BHC | 5.083 | 4.829 | 2364998 | 7485700 | 44.119 | 41.143 |
| 5) | T | delta-BHC | 5.388 | 5.317 | 5425205 | 17288145 | 49.291 | 45.772 |
| 6) | T | Heptachlor | 5.723 | 5.396 | 4066555 | 13062507 | 38.797 | 36.014 |
| 7) | T | Aldrin | 6.218 | 5.911 | 3354492 | 11741942 | 29.752 | 29.447 |
| 8) | T | Heptachlor epoxi | 7.201 | 6.819 | 4336136 | 14898304 | 41.129 | 40.896 |
| 9) | T | gamma-Chlordane | 7.392 | 7.110 | 4083274 | 14255074 | 39.616 | 38.842m |
| 10) | T | alpha-Chlordane | 7.597 | 7.334 | 4115148 | 13990418 | 39.387 | 37.307 |
| 13) | L1 | Chlordane TOTAL | 0.000 | 0.000 | 8198422 | 28261365 | 79.001m | 76.156m |
| 14) | T | 4,4'-DDE | 7.737 | 7.631 | 3398430 | 11731393 | 31.733 | 31.829 |
| 15) | T | Endosulfan I | 7.804 | 7.402 | 4035578 | 13537911 | 38.090 | 38.598 |
| 16) | T | Dieldrin | 8.168 | 7.812 | 4230850 | 14811446 | 40.263 | 40.441 |
| 17) | T | Endrin | 8.514 | 8.252 | 3886391 | 13463641 | 48.485 | 48.506 |
| 18) | T | 4,4'-DDD | 8.638 | 8.481 | 2971968 | 11447332 | 34.772 | 36.994 |
| 19) | T | Endosulfan II | 8.854 | 8.570 | 3725803 | 13002901 | 40.400 | 39.853 |
| 20) | T | 4,4'-DDT | 9.044 | 8.930 | 2731406 | 8966985 | 40.529 | 39.416 |
| 21) | T | Endrin aldehyde | 9.476 | 9.066 | 2783697 | 9172721 | 43.507m | 41.320 |
| 22) | T | Methoxychlor | 9.766 | 9.943 | 1505647 | 4950387 | 40.791m | 42.723 |
| 23) | T | Endosulfan Sulfa | 10.112 | 9.466 | 3638118 | 12092503 | 42.114m | 41.450m |
| 24) | T | Endrin ketone | 10.516 | 10.215 | 4269486 | 14154073 | 39.412 | 39.295 |

REVIEWED
DEC 2 [illegible]

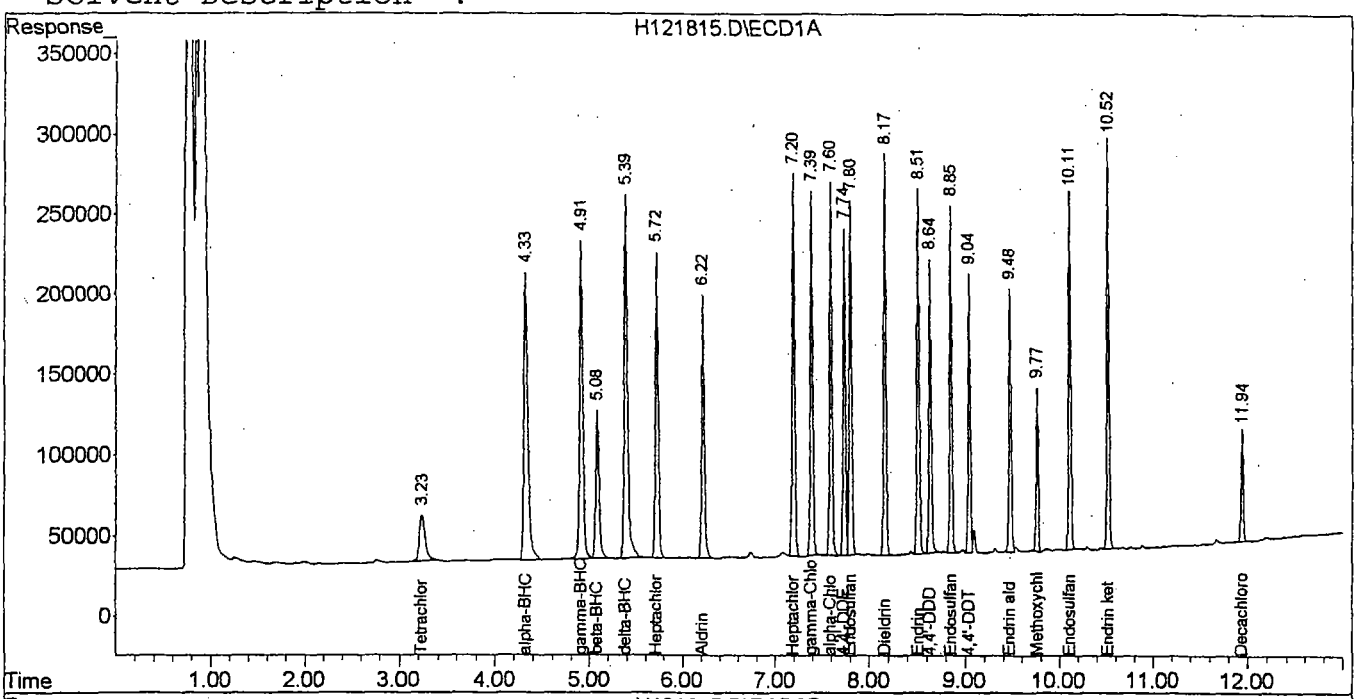
030053

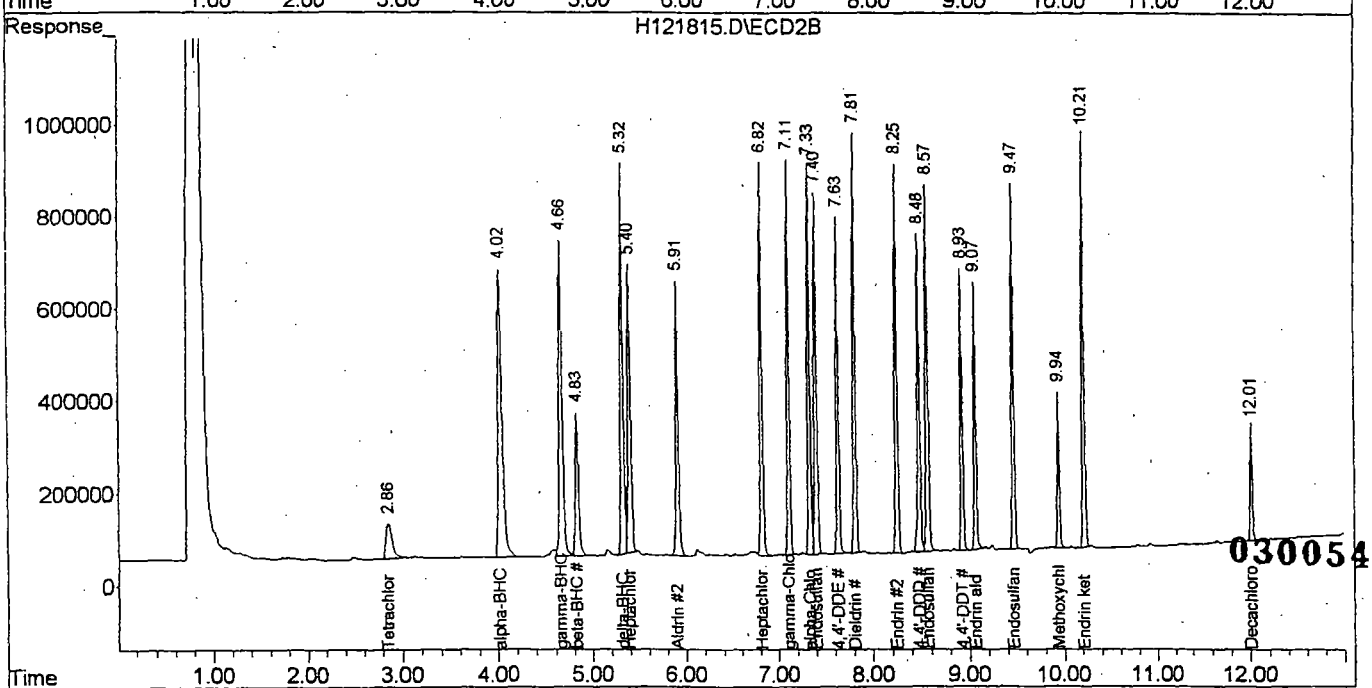
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Signal #1 : U:\DATAH\H121806\H121815.D\ECD1A.CH Vial: 92
Signal #2 : U:\DATAH\H121806\H121815.D\ECD2B.CH
Acq On : 18 Dec 2006 12:29 pm Operator:
Sample : 20489673/79516S Inst : GCSV H
Misc : 79516 1:1 Multiplr: 1.00
IntFile Signal #1: PEST1.E IntFile Signal #2: PEST2.E
Quant Time: Dec 21 14:19 2006 Quant Results File: H120306.RES

Quant Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix
Last Update : Tue Dec 19 15:56:30 2006
Response via : Multiple Level Calibration
RT via : U:\DATAH\H121806\H121812.D

Instrument Type :
Column Type :
Solvent Description :




030054

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**PESTICIDES**

**SAMPLE PREPARATION PACKAGE**

**SDG: 2064976**

# Organic Extraction Log

Batch
**79516**
Page 1 of 1

**Procedure:** 35358081

**Start Date/Time:** 12/12/06 **End Date/Time:** 12/15/06

**Start Analyst:** BMB **End Analyst:** SNP

**Bath Temp** 75° **Date/Time** —

| Q | Sample | | | Amount (g or mL) | pH 1 | pH 2 | pH 3 | Sur Spk (mL) | Spike (mL) | Extract Tech(s) | Final Vol (mL) | Conc Tech(s) | Cleanup mL | Cleanup mL | Cleanup Tech(s) | Review Tech(s) | Comment | Ex# |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| X | !20489672! | 20489672 | BLA | 1000 | T | T | T | 1.0 | — | PB | 10.0 | CW | T | T | T | SNP | | |
| | !20489673! | 20489673 | LCS | | | | | | 1.0 | | | | | | | | | |
| | !20489231! | 20489231 | PS | | | | | | — | | | | | | | | | |
| | !20489238! | 20489238 | PS | | | | | | | | | | | | | | | |

4 samples

SHARES BLANK W/ 79789 SP 12115.

**Reagent Lots**

Acetone 065490
Acetonitrile 051904
Hexane 060610
Methylene chloride 065935
Pentane 053177
Cleanup Cartridge SPE
Sodium sulfate 27966002

03009 59

**Cleanup Codes**

A Sulfuric acid wash
D Diazomethane Deriv
F Florisil
G GPC
S Silica gel fractionation

**Qualifier Codes**

1 Difficulty filtering through SPE cartridge
2 All available sample used
3 Extract lost during concentration
4 Extract could not be concentrated
5 pH re-adjusted for second 18 hours
6 No sample remaining for QC

**Standard Solutions**

| | ID | | Spikes | Verifier |
|---|---|---|---|---|
| Surr | 530-68 | QCSS | PB | SNP |
| LCS | 530-67 | PMS | ↓ | ↓ |
| Mx | | | | |

# INSTRUMENT RUNLOG

## GC SEMIVOA H120306

Instrument: H
Column: 30m 0.32mm Rtx-CLPI/Rtx-CLP2
Injector: 200C
Initial oven Temp: 150C 1min
Temp ramp: 12C/min
Final oven temp: 300C
Carrier: Hy

☐ Septum changed?
☐ Column trimmed?
☐ Injection liner changed?

| | File | Lab ID | Extra | Batch | DF | Date | Time | Comments |
|---|---|---|---|---|---|---|---|---|
| 1 | H120301.D | POSITION | | | 1 | 03-Dec-06 | 9:35 | |
| 2 | H120302.D | POSITION | | | 1 | 03-Dec-06 | 9:51 | |
| 3 | H120303.D | 576-33-PE | | | 1 | 03-Dec-06 | 10:07 | ✓ ✓ |
| 4 | H120304.D | 576-24-IND | | | 1 | 03-Dec-06 | 10:24 | |
| 5 | H120305.D | 576-24-IND | | | 1 | 03-Dec-06 | 10:40 | 1.084/3.249 |
| 6 | H120306.D | 576-35-IND | | | 1 | 03-Dec-06 | 10:57 | |
| 7 | H120307.D | 576-24-IND | | | 1 | 03-Dec-06 | 11:13 | |
| 8 | H120308.D | 576-24-IND | | | 1 | 03-Dec-06 | 11:30 | |
| 9 | H120309.D | 576-23-TO | | | 1 | 03-Dec-06 | 11:46 | |
| 10 | H120310.D | 576-14-TO | | | 1 | 03-Dec-06 | 12:03 | Fails, rerun ICV |
| 11 | H120311.D | 576-18-CHL | | | 1 | 03-Dec-06 | 12:19 | |
| 12 | H120312.D | 531-99-CHL | | | 1 | 03-Dec-06 | 12:35 | |
| 13 | H120313.D | 576-39-IND | (6) | | 1 | 03-Dec-06 | 12:52 | ✓ ✓ |
| 14 | H120314.D | 20486932 | | 79346 | 1 | 03-Dec-06 | 13:08 | ✓ B |
| 15 | H120315.D | 20486933 | | 79346 | 1 | 03-Dec-06 | 13:25 | ✓ LCS |
| 16 | H120316.D | 20485640 | | 79346 | 1 | 03-Dec-06 | 13:41 | ✓ |
| 17 | H120317.D | 20485643 | | 79346 | 1 | 03-Dec-06 | 13:58 | ✓ |
| 18 | H120318.D | 20485644 | | 79346 | 1 | 03-Dec-06 | 14:14 | ✓ |
| 19 | H120319.D | 20485645 | | 79346 | 1 | 03-Dec-06 | 14:30 | |
| 20 | H120320.D | 20485646 | | 79346 | 1 | 03-Dec-06 | 14:47 | ✓ |
| 21 | H120321.D | 20485647 | | 79346 | 1 | 03-Dec-06 | 15:03 | ✓ dil for chl a + g |
| 22 | H120322.D | 20485652 | | 79346 | 1 | 03-Dec-06 | 15:20 | ✓ d |
| 23 | H120323.D | 20485653 | | 79346 | 1 | 03-Dec-06 | 15:36 | ✓ |
| 24 | H120324.D | 20485654 | | 79346 | 1 | 03-Dec-06 | 15:52 | ✓ Dil |
| 25 | H120325.D | 20486934 | | 79346 | 1 | 03-Dec-06 | 16:09 | ✓ MS |
| 26 | H120326.D | 20486935 | | 79346 | 1 | 03-Dec-06 | 16:25 | ✓ MSD |
| 27 | H120327.D | 20485655 | | 79346 | 1 | 03-Dec-06 | 16:42 | ✓ |
| 28 | H120328.D | 20485656 | | 79346 | 1 | 03-Dec-06 | 16:58 | ✓ dil |
| 29 | H120329.D | 20485657 | | 79346 | 1 | 03-Dec-06 | 17:15 | ✓ ↓ |
| 30 | H120330.D | 20484976 | | 78999 | 200 | 03-Dec-06 | 17:31 | ✓ |
| 31 | H120331.D | 576-35-IND | | | 1 | 03-Dec-06 | 17:47 | ✓ EAT ✓ |
| 32 | H120332.D | 576-35-IND | | | 1 | 03-Dec-06 | 18:04 | ✓ ✓ |
| 33 | H120333.D | 576-33-PE | | | 1 | 03-Dec-06 | 18:20 | ✓ ✓ |
| 34 | H120334.D | POSITION | | | 1 | 03-Dec-06 | 18:37 | 030057 |

# GC SEMIVOA H121806

Instrument: H
Column: 30m 0.32mm Rtx-CLPI/Rtx-CLP2
Injector: 200C
Initial oven Temp: 150C 1min
Temp ramp: 12C/min
Final oven temp: 300C
Carrier: Hy

☑ Septum changed?
☐ Column trimmed?
☑ Injection liner changed? 1.084/3.249

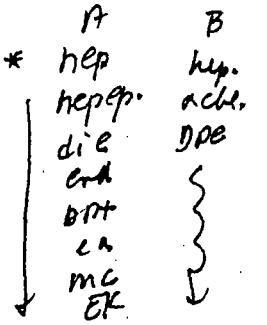
| | File | Lab ID | Extra | Batch | DF | Date | Time | Comments |
|---|---|---|---|---|---|---|---|---|
| 1 | H121801.D | POSITION | | | 1 | 18-Dec-06 | 7:53 | |
| 2 | H121802.D | POSITION | | | 1 | 18-Dec-06 | 8:09 | |
| 3 | H121803.D | 576-41-IND | | | 1 | 18-Dec-06 | 8:26 | |
| 4 | H121804.D | 576-41-PE | | | 1 | 18-Dec-06 | 8:42 | |
| 5 | H121805.D | POSITION | | | 1 | 18-Dec-06 | 9:44 | Liner replaced |
| 6 | H121806.D | 576-41-IND | | | 1 | 18-Dec-06 | 10:01 | PCB's |
| 7 | H121807.D | 576-41-PE | | | 1 | 18-Dec-06 | 10:17 | |
| 8 | H121808.D | 576-23-TO | | | 1 | 18-Dec-06 | 10:33 | |
| 9 | H121809.D | 576-18-CHL | | | 1 | 18-Dec-06 | 10:50 | |
| 10 | H121810.D | 20487621 | | | 1 | 18-Dec-06 | 11:07 | |
| 11 | H121811.D | 20487622 | | 79516 | 1 | 18-Dec-06 | 11:23 | |
| 12 | H121812.D | 576-41-IND | | | 1 | 18-Dec-06 | 11:39 | |
| 13 | H121813.D | 576-41-PE | | | 1 | 18-Dec-06 | 11:56 | |
| 14 | H121814.D | 20489672 | | 79516 | 1 | 18-Dec-06 | 12:12 | |
| 15 | H121815.D | 20489673 | | 79516 | 1 | 18-Dec-06 | 12:29 | |
| 16 | H121816.D | 20489238 | | 79516 | 10 | 18-Dec-06 | 12:45 | F10 700 dil |
| 17 | H121817.D | 20489231 | | 79516 | 1 | 18-Dec-06 | 13:02 | |
| 18 | H121818.D | 20489238 | | 79516 | 1 | 18-Dec-06 | 15:55 | |
| 19 | H121819.D | 576-41-IND | | | 1 | 18-Dec-06 | 16:11 | |
| 20 | H121820.D | PEST SURR | | | 1 | 19-Dec-06 | 12:27 | ok |
| 21 | H121821.D | 576-41-IND | | | 1 | 19-Dec-06 | 12:44 | |
| 22 | H121822.D | 576-41-PE | | | 1 | 19-Dec-06 | 13:00 | |
| 23 | H121824.D | 576-23-TO | | | 1 | 19-Dec-06 | 16:18 | |
| 24 | H121825.D | 20486323 | | | 1 | 19-Dec-06 | 16:34 | |
| 25 | H121826.D | 20486326 | | | 1 | 19-Dec-06 | 16:51 | |
| 26 | H121827.D | 576-41-IND | | | 1 | 19-Dec-06 | 17:07 | |
| 27 | H121828.D | 576-41-PE | | | 1 | 19-Dec-06 | 17:24 | |
| 28 | H121829.D | POSITION | | | 1 | 20-Dec-06 | 14:49 | |
| 29 | H121830.D | POSITION | | | 1 | 20-Dec-06 | 15:05 | |
| 30 | H121831.D | 576-41-IND | | | 1 | 20-Dec-06 | 15:22 | |
| 31 | H121832.D | 576-41-PE | | | 1 | 20-Dec-06 | 15:38 | |
| 32 | H121833.D | 576-42-TO | | | 1 | 20-Dec-06 | 17:12 | |
| 33 | H121834.D | 576-44-CHL | | | 1 | 20-Dec-06 | 17:28 | 030058 |
| 34 | H121835.D | 20486319 | | 79243 | 200 | 20-Dec-06 | 17:45 | |
| 35 | H121836.D | 20490946 | | 80105 | 1 | 20-Dec-06 | 18:01 | |

# GC SEMIVOA H121806

Instrument: H
Column: 30m 0.32mm Rtx-CLPI/Rtx-CLP2
Injector: 200C
Initial oven Temp: 150C 1min
Temp ramp: 12C/min
Final oven temp: 300C
Carrier: Hy

☐ Septum changed?
☐ Column trimmed?
☐ Injection liner changed?

| | File | Lab ID | Extra | Batch | DF | Date | Time | Comments |
|---|---|---|---|---|---|---|---|---|
| 36 | H121837.D | 20490947 | | 80105 | 1 | 20-Dec-06 | 18:18 | |
| 37 | H121838.D | 20490350 | | 80105 | 1 | 20-Dec-06 | 18:34 | |
| 38 | H121839.D | 20487406R | | 79516 | 1 | 20-Dec-06 | 18:51 | ✓ low - see nan |
| 39 | H121840.D | 20487407R | | 79516 | 1 | 20-Dec-06 | 19:07 | Confirms m-e |
| 40 | H121841.D | 20490958 | | 79516 | 1 | 20-Dec-06 | 19:24 | ✓ |
| 41 | H121842.D | 20490959 | | 79516 | 1 | 20-Dec-06 | 19:40 | ✓ |
| 42 | H121843.D | 20489709 | | 79516 | 1 | 20-Dec-06 | 19:56 | ✓ |
| 43 | H121844.D | 576-41-IND | | | 1 | 20-Dec-06 | 20:13 | ✓ ✓ |
| 44 | H121845.D | 576-41-PE | | | 1 | 20-Dec-06 | 20:29 | ✓ |
| 45 | H121846.D | POSITION | | | 1 | 21-Dec-06 | 16:05 | |
| 46 | H121847.D | POSITION | | | 1 | 21-Dec-06 | 16:21 | |
| 47 | H121848.D | 576-41-IND | | | 1 | 21-Dec-06 | 16:38 | ✓ ✓ |
| 48 | H121849.D | 576-41-PE | | | 1 | 21-Dec-06 | 16:54 | ✓ ✓ |
| 49 | H121850.D | 576-42-TO | | | 1 | 21-Dec-06 | 17:32 | |
| 50 | H121851.D | 576-44-CHL | | | 1 | 21-Dec-06 | 17:49 | |
| 51 | H121852.D | 20491065 | | 79329 | 1 | 21-Dec-06 | 18:05 | ✓ |
| 52 | H121853.D | 20491066 | | 79329 | 1 | 21-Dec-06 | 18:21 | ✓ |
| 53 | H121854.D | 20489229 | | 79329 | 1 | 21-Dec-06 | 18:38 | ✓ |
| 54 | H121855.D | 20489230 | | 79329 | 1 | 21-Dec-06 | 18:54 | ✓ |
| 55 | H121856.D | 576-41-IND | * | | 1 | 21-Dec-06 | 19:11 | ✓ ✓ |
| 56 | H121857.D | 576-41-PE | | | 1 | 21-Dec-06 | 19:27 | ~~4,4~~ DDT |




030059

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**SEMIVOLATILE**

**QC SUMMARY**

**SDG: 2064976**

Pace Analytical®
New Orleans Laboratory

# Report of Batch Surrogate Recovery

*Pace Analytical Services, Inc.*
*1000 Riverbend Blvd. Suite F*
*St. Rose , LA 70087*

*Phone: 504.469.0333*
*Fax: 504.469.0555*
*LELAP # 02006*

**Report: 2064976** **Batch: 79793**

| Lab ID | Type and Qualifiers | Sur 1 %Rec | Sur 2 %Rec | Sur 3 %Rec | Sur 4 %Rec | Sur 5 %Rec | Sur 6 %Rec | Sur 7 %Rec | Sur 8 %Rec |
|---|---|---|---|---|---|---|---|---|---|
| 20488920 | OQS | 44 | 74 | 30 | 75 | 41 | 90 | | |
| 20489238 | Sample | 43 | 79 | 32 | 80 | 59 | 99 | | |
| 20489336 | BLANK | 91 | 84 | 71 | 80 | 73 | 107 | | |
| 20489337 | LCS | 96 | 100 | 79 | 96 | 80 | 81 | | |
| 20489338 | MS | 102 | 97 | 68 | 100 | 78 | 63 | | |
| 20489339 | MSD | 101 | 88 | 62 | 92 | 80 | 74 | | |
| QC limits: | | 25-133 | 36-108 | 10-109 | 21-120 | 15-113 | 17-130 | | |

Sur 1: 2,4,6-Tribromophenol (S)
Sur 2: 2-Fluorobiphenyl (S)
Sur 3: 2-Fluorophenol (S)
Sur 4: Nitrobenzene-d5 (S)
Sur 5: Phenol-d5 (S)
Sur 6: Terphenyl-d14 (S)

* denotes surrogate recovery outside of QC limits.
D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.
A Lab ID consisting of a batch number with a B suffix is a method blank.
A Lab ID consisting of a batch number with a S suffix is an LCS.
A Lab ID with a MS suffix is a matrix spike.
A Lab ID with a MSD suffix is a matrix spike duplicate.

1/5/2007 10:15:08

*New Orleans Laboratory Certifications*
*Louisiana Dept. of Environmental Quality (LELAP) - 02006*
*Arkansas Dept. of Environmental Quality - 88-0681*
*Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023*
*Florida Dept. of Health (NELAC) - E87595*
*Kansas Dept. of Health Environment - E-10266*
*U.S. Dept. of Agriculture Foreign Soil Permit - S-47270*

# Report of Quality Control

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

**Method:** EPA 8270 **Project:** 2064976 **LCS:** 20489337 12/14/2006 11:12:00 A

**Batch:** 79793 **MS:** 20489338 12/14/2006 1:24:00 PM

**Units:** ug/L **Original for MS:** 20488920 Batch Sample

| Parameter Name | LCS Spike | LCS %Rec | LCSD %Rec | LCS RPD | MS Spike | MS %Rec | MSD %Rec | (1)MS RPD | QC Limits LCS | QC Limits MS/MSD | Max RPD | Qu |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | 50 | 77 | | | 50 | 84 | 76 | 9 | 42 - 113 | 35 - 115 | 20 | |
| Acenaphthylene | 50 | 75 | | | 50 | 80 | 72 | 11 | 41 - 111 | 32 - 113 | 20 | |
| Acetophenone | 50 | 92 | | | 50 | 98 | 97 | 1 | 40 - 120 | 40 - 120 | 20 | |
| Aniline | 50 | 116 | | | 50 | 57 | 50 | 13 | 40 - 120 | 40 - 120 | 20 | |
| Anthracene | 50 | 77 | | | 50 | 79 | 70 | 12 | 46 - 115 | 36 - 115 | 20 | |
| Benzo(a)anthracene | 50 | 68 | | | 50 | 57 | 60 | 5 | 46 - 117 | 31 - 118 | 20 | |
| Benzo(b)fluoranthene | 50 | 71 | | | 50 | 56 | 62 | 10 | 39 - 129 | 24 - 130 | 20 | |
| Benzo(k)fluoranthene | 50 | 83 | | | 50 | 65 | 71 | 8 | 35 - 132 | 21 - 128 | 20 | |
| Benzoic acid | 50 | 87 | | | 50 | 94 | 114 | 19 | 10 - 132 | 10 - 162 | 20 | |
| Benzo(g,h,i)perylene | 50 | 60 | | | 50 | 39 | 41 | 6 | 24 - 136 | 10 - 128 | 20 | |
| Benzo(a)pyrene | 50 | 71 | | | 50 | 55 | 58 | 5 | 40 - 120 | 22 - 118 | 20 | |
| Benzyl alcohol | 50 | 88 | | | 50 | 90 | 90 | 0 | 27 - 120 | 22 - 123 | 20 | |
| 4-Bromophenylphenyl ether | 50 | 76 | | | 50 | 74 | 70 | 5 | 44 - 117 | 36 - 116 | 20 | |
| Butylbenzylphthalate | 50 | 66 | | | 50 | 65 | 63 | 3 | 38 - 126 | 30 - 126 | 20 | |
| Carbazole | 50 | 87 | | | 50 | 102 | 95 | 7 | 32 - 130 | 25 - 138 | 20 | |
| 4-Chloro-3-methylphenol | 50 | 68 | | | 50 | 76 | 78 | 2 | 37 - 118 | 30 - 123 | 20 | |
| 4-Chloroaniline | 50 | 42 | | | 50 | 44 | 39 | 10 | 10 - 114 | 10 - 115 | 20 | |
| bis(2-Chloroethoxy)methane | 50 | 77 | | | 50 | 84 | 79 | 7 | 32 - 113 | 28 - 115 | 20 | |
| bis(2-Chloroethyl) ether | 50 | 83 | | | 50 | 84 | 80 | 5 | 27 - 113 | 22 - 115 | 20 | |
| 2-Chloronaphthalene | 50 | 76 | | | 50 | 83 | 76 | 10 | 41 - 111 | 35 - 112 | 20 | |
| 2-Chlorophenol | 50 | 67 | | | 50 | 68 | 66 | 2 | 26 - 115 | 23 - 115 | 20 | |
| 4-Chlorophenylphenyl ether | 50 | 85 | | | 50 | 92 | 87 | 6 | 42 - 117 | 37 - 115 | 20 | |
| Chrysene | 50 | 68 | | | 50 | 58 | 62 | 8 | 45 - 118 | 31 - 117 | 20 | |
| Dibenz(a,h)anthracene | 50 | 79 | | | 50 | 50 | 54 | 9 | 29 - 136 | 11 - 132 | 20 | |
| Dibenzofuran | 50 | 85 | | | 50 | 96 | 87 | 10 | 45 - 113 | 38 - 115 | 20 | |
| 1,2-Dichlorobenzene | 50 | 66 | | | 50 | 70 | 66 | 5 | 20 - 99 | 13 - 102 | 20 | |
| 1,3-Dichlorobenzene | 50 | 60 | | | 50 | 63 | 59 | 8 | 16 - 96 | 11 - 96 | 20 | |
| 1,4-Dichlorobenzene | 50 | 63 | | | 50 | 66 | 62 | 6 | 17 - 97 | 12 - 98 | 20 | |
| 3,3'-Dichlorobenzidine | 50 | 45 | | | 50 | 10 | 0 * | 200 * | 10 - 124 | 10 - 106 | 20 | Q1 |
| 2,4-Dichlorophenol | 50 | 63 | | | 50 | 66 | 62 | 5 | 36 - 116 | 29 - 119 | 20 | |
| Diethylphthalate | 50 | 78 | | | 50 | 88 | 87 | 1 | 43 - 120 | 37 - 120 | 20 | |
| 2,4-Dimethylphenol | 50 | 62 | | | 50 | 76 | 70 | 8 | 18 - 110 | 16 - 121 | 20 | |
| Dimethylphthalate | 50 | 78 | | | 50 | 87 | 83 | 5 | 45 - 116 | 39 - 117 | 20 | |
| Di-n-butylphthalate | 50 | 86 | | | 50 | 85 | 83 | 2 | 43 - 123 | 34 - 121 | 20 | |
| 4,6-Dinitro-2-methylphenol | 50 | 70 | | | 50 | 65 | 71 | 10 | 33 - 137 | 24 - 144 | 20 | |
| 2,4-Dinitrophenol | 50 | 67 | | | 50 | 73 | 71 | 3 | 17 - 148 | 10 - 170 | 20 | |
| 2,4-Dinitrotoluene | 50 | 91 | | | 50 | 107 | 103 | 4 | 43 - 121 | 36 - 125 | 20 | |
| 2,6-Dinitrotoluene | 50 | 75 | | | 50 | 87 | 81 | 7 | 45 - 119 | 40 - 121 | 20 | |
| Di-n-octylphthalate | 50 | 87 | | | 50 | 64 | 75 | 16 | 32 - 140 | 16 - 144 | 20 | |

1/5/2007 10:15:06

* denotes recovery outside of QC limits.
MS spike concentrations are not corrected for moisture content of the spiked sample.
(1) MS RPD is calculated via SW-846 rules: on the basis of spiked sample concentrations rather than spike recoveries.

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Pace Analytical*
New Orleans Laboratory

# Report of Quality Control

**Pace Analytical Services, Inc.**
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

**Method:** EPA 8270 **Project:** 2064976 **LCS:** 20489337 12/14/2006 11:12:00 A

**Batch:** 79793 **MS:** 20489338 12/14/2006 1:24:00 PM

**Units:** ug/L **Original for MS:** 20488920 Batch Sample

| Parameter Name | LCS Spike | LCS %Rec | LCSD %Rec | LCS RPD | MS Spike | MS %Rec | MSD %Rec | (1)MS RPD | QC Limits LCS | QC Limits MS/MSD | Max RPD | Qu |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,2-Diphenylhydrazine | 50 | 92 | | | 50 | 90 | 83 | 8 | 40 - 120 | 40 - 120 | 20 | |
| bis(2-Ethylhexyl)phthalate | 50 | 70 | | | 50 | 55 | 64 | 14 | 30 - 154 | 16 - 145 | 20 | |
| Fluoranthene | 50 | 80 | | | 50 | 82 | 77 | 7 | 45 - 121 | 35 - 121 | 20 | |
| Fluorene | 50 | 87 | | | 50 | 96 | 89 | 8 | 45 - 116 | 36 - 120 | 20 | |
| Hexachloro-1,3-butadiene | 50 | 64 | | | 50 | 67 | 62 | 6 | 20 - 101 | 14 - 102 | 20 | |
| Hexachlorobenzene | 50 | 84 | | | 50 | 74 | 74 | 0 | 44 - 119 | 32 - 119 | 20 | |
| Hexachlorocyclopentadiene | 50 | 18 | | | 50 | 7 * | 13 | 64 * | 10 - 60 | 10 - 58 | 20 | Q1 |
| Hexachloroethane | 50 | 67 | | | 50 | 67 | 67 | 0 | 15 - 96 | 10 - 101 | 20 | |
| Indeno(1,2,3-cd)pyrene | 50 | 72 | | | 50 | 45 | 49 | 10 | 29 - 131 | 12 - 126 | 20 | |
| Isophorone | 50 | 82 | | | 50 | 89 | 83 | 6 | 38 - 115 | 31 - 118 | 20 | |
| 2-Methylnaphthalene | 50 | 71 | | | 50 | 81 | 75 | 7 | 36 - 110 | 29 - 114 | 20 | |
| 2-Methylphenol (o-Cresol) | 50 | 63 | | | 50 | 68 | 68 | 0 | 32 - 115 | 27 - 118 | 20 | |
| 2-Nitroaniline | 50 | 92 | | | 50 | 104 | 100 | 4 | 34 - 120 | 23 - 126 | 20 | |
| 3-Nitroaniline | 50 | 55 | | | 50 | 49 | 60 | 21 * | 22 - 126 | 10 - 126 | 20 | |
| 4-Nitroaniline | 50 | 60 | | | 50 | 69 | 71 | 3 | 26 - 127 | 10 - 129 | 20 | |
| Nitrobenzene | 50 | 88 | | | 50 | 92 | 84 | 9 | 31 - 118 | 16 - 136 | 20 | |
| 2-Nitrophenol | 50 | 63 | | | 50 | 68 | 64 | 6 | 33 - 117 | 25 - 124 | 20 | |
| 4-Nitrophenol | 50 | 74 | | | 50 | 88 | 87 | 1 | 25 - 140 | 10 - 158 | 20 | |
| N-Nitrosodimethylamine | 50 | 95 | | | 50 | 68 | 65 | 4 | 40 - 120 | 40 - 120 | 20 | |
| N-Nitroso-di-n-propylamine | 50 | 84 | | | 50 | 89 | 91 | 3 | 34 - 115 | 26 - 119 | 20 | |
| N-Nitrosodiphenylamine | 50 | 73 | | | 50 | 62 | 47 | 29 * | 32 - 115 | 12 - 118 | 20 | A10 |
| 2,2'-Oxybis(1-chloropropane) | 50 | 79 | | | 50 | 84 | 82 | 2 | 21 - 123 | 14 - 125 | 20 | |
| Phenanthrene | 50 | 78 | | | 50 | 84 | 78 | 8 | 48 - 115 | 38 - 117 | 20 | |
| Phenol | 50 | 70 | | | 50 | 67 | 70 | 5 | 24 - 118 | 17 - 125 | 20 | |
| Pyrene | 50 | 60 | | | 50 | 66 | 63 | 4 | 42 - 119 | 31 - 122 | 20 | |
| Pyridine | 50 | 95 | | | 50 | 67 | 49 | 32 * | 40 - 120 | 40 - 120 | 20 | |
| 2,4,5-Trichlorophenol | 50 | 74 | | | 50 | 76 | 74 | 2 | 41 - 120 | 35 - 122 | 20 | |
| 2,4,6-Trichlorophenol | 50 | 66 | | | 50 | 68 | 65 | 5 | 39 - 120 | 33 - 124 | 20 | |

67 compound(s) reported

* denotes recovery outside of QC limits.
MS spike concentrations are not corrected for moisture content of the spiked sample.
(1) MS RPD is calculated via SW-846 rules: on the basis of spiked sample concentrations rather than spike recoveries.

1/5/2007 10:15:06

*New Orleans Laboratory Certifications*
*Louisiana Dept. of Environmental Quality (LELAP) - 02006*
*Arkansas Dept. of Environmental Quality - 88-0681*
*Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023*
*Florida Dept. of Health (NELAC) - E87595*
*Kansas Dept. of Health Environment - E-10266*
*U.S. Dept. of Agriculture Foreign Soil Permit - S-47270*

# Form 4x

## METHOD BLANK SUMMARY

CLP Style Form IV

Sample ID : **79793 BLANK 1**
Lab ID : **20489336**
Project: **2064976**

Batch: **79793**
Lab File ID: **1214B04**
Analysis Time: **12/14/2006 10:44**

| Client Sample ID | Lab Sample ID | Lab File ID | Analysis Date | Analysis Time |
|---|---|---|---|---|
| 79793 LCS 1 | 20489337 | 1214B05 | 12/14/2006 | 11:12 |
| 2WSW6-EPA | 20489238 | 1214B18 | 12/14/2006 | 16:55 |

Comments:

# Form 5

## GCMS Instrument Performance Check (TUNE)

DFTPP

Data File : C:\DATAB\103006\1030B00.D  Vial: 1
Acq On : 30 Oct 2006 11:51  Operator:
Sample : 534-31-PERF  Inst : 5973N
Misc :  Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : Q:\DATAB\BDFTPP.M (RTE Integrator)
Title : BNA Performance Calibration
Peak Apex is scan: 391 ( 8.17 min)
Average of 3 scans: 390,391,392 minus background scan 371 ( 8.06 min)

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 51 | 198 | 30 | 80 | 40.1 | 19803 | PASS |
| 68 | 69 | 0 | 2 | 0.0 | 0 | PASS |
| 69 | 198 | 0 | 100 | 43.6 | 21527 | PASS |
| 70 | 69 | 0 | 2 | 0.5 | 98 | PASS |
| 127 | 198 | 25 | 75 | 47.0 | 23223 | PASS |
| 197 | 198 | 0 | 1 | 0.0 | 0 | PASS |
| 198 | 198 | 100 | 100 | 100.0 | 49405 | PASS |
| 199 | 198 | 5 | 9 | 6.9 | 3417 | PASS |
| 275 | 198 | 10 | 30 | 22.4 | 11077 | PASS |
| 365 | 198 | 1 | 100 | 2.2 | 1091 | PASS |
| 441 | 443 | 0 | 100 | 86.3 | 3742 | PASS |
| 442 | 198 | 40 | 110 | 44.1 | 21797 | PASS |
| 443 | 442 | 15 | 24 | 19.9 | 4334 | PASS |

| Client Sample ID | Lab Sample ID | Lab File ID | Batch | Analysis Date | Analysis Time |
|---|---|---|---|---|---|
| | 534-40-STD40 | 1030B01 | | 10/30/2006 | 12:09:00 |
| | 534-40-STD50 | 1030B02 | | 10/30/2006 | 12:39:00 |
| | 534-40-STD60 | 1030B03 | | 10/30/2006 | 13:07:00 |
| | 534-40-STD80 | 1030B04 | | 10/30/2006 | 13:34:00 |
| | 534-40-STD25 | 1030B05 | | 10/30/2006 | 14:03:00 |
| | 534-40-STD10 | 1030B06 | | 10/30/2006 | 14:33:00 |
| | 534-40-ICV40 | 1030B07 | | 10/30/2006 | 16:41:00 |

Comments:

# Form 5

## GCMS Instrument Performance Check (TUNE)

DFTPP

Data File : C:\DATAB\110906\1109B00.D  Vial: 1
Acq On : 9 Nov 2006 15:33  Operator:
Sample : 534-31-PERF  Inst : 5973N
Misc :  Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : Q:\DATAB\BDFTPP.M (RTE Integrator)
Title : BNA Performance Calibration
Peak Apex is scan: 382 ( 8.12 min)
Average of 3 scans: 381,382,383 minus background scan 362 ( 8.01 min)

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 51 | 198 | 30 | 80 | 42.3 | 27653 | PASS |
| 68 | 69 | 0 | 2 | 0.0 | 0 | PASS |
| 69 | 198 | 0 | 100 | 44.7 | 29237 | PASS |
| 70 | 69 | 0 | 2 | 0.4 | 117 | PASS |
| 127 | 198 | 25 | 75 | 49.9 | 32613 | PASS |
| 197 | 198 | 0 | 1 | 0.0 | 0 | PASS |
| 198 | 198 | 100 | 100 | 100.0 | 65413 | PASS |
| 199 | 198 | 5 | 9 | 6.7 | 4415 | PASS |
| 275 | 198 | 10 | 30 | 21.3 | 13935 | PASS |
| 365 | 198 | 1 | 100 | 2.2 | 1431 | PASS |
| 441 | 443 | 0 | 100 | 76.0 | 3923 | PASS |
| 442 | 198 | 40 | 110 | 40.8 | 26671 | PASS |
| 443 | 442 | 15 | 24 | 19.3 | 5159 | PASS |

| Client Sample ID | Lab Sample ID | Lab File ID | Batch | Analysis Date | Analysis Time |
|---|---|---|---|---|---|
| | 534-43-BASIC40 | 1109B01 | | 11/9/2006 | 15:49:00 |
| | 534-43-BASIC50 | 1109B02 | | 11/9/2006 | 16:19:00 |
| | 534-43-BASIC60 | 1109B03 | | 11/9/2006 | 16:48:00 |
| | 534-43-BASIC80 | 1109B04 | | 11/9/2006 | 17:16:00 |
| | 534-43-BASIC25 | 1109B05 | | 11/9/2006 | 17:44:00 |
| | 534-43-BASIC10 | 1109B06 | | 11/9/2006 | 18:14:00 |

Comments:

# Form 5

## GCMS Instrument Performance Check (TUNE)

DFTPP

Data File : C:\DATAB\121406\1214B00.D  Vial: 1
Acq On : 14 Dec 2006 9:09  Operator:
Sample : 534-31-PERF  Inst : 5973N
Misc :  Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : Q:\DATAB\BDFTPP.M (RTE Integrator)
Title : BNA Performance Calibration
Peak Apex is scan: 235 ( 7.34 min)
Average of 3 scans: 234,235,236 minus background scan 215 ( 7.23 min)

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 51 | 198 | 30 | 80 | 52.1 | 19940 | PASS |
| 68 | 69 | 0 | 2 | 0.0 | 0 | PASS |
| 69 | 198 | 0 | 100 | 53.1 | 20315 | PASS |
| 70 | 69 | 0 | 2 | 0.4 | 79 | PASS |
| 127 | 198 | 25 | 75 | 55.1 | 21094 | PASS |
| 197 | 198 | 0 | 1 | 0.0 | 0 | PASS |
| 198 | 198 | 100 | 100 | 100.0 | 38280 | PASS |
| 199 | 198 | 5 | 9 | 6.7 | 2570 | PASS |
| 275 | 198 | 10 | 30 | 24.3 | 9308 | PASS |
| 365 | 198 | 1 | 100 | 2.7 | 1037 | PASS |
| 441 | 443 | 0 | 100 | 96.2 | 3377 | PASS |
| 442 | 198 | 40 | 110 | 48.4 | 18546 | PASS |
| 443 | 442 | 15 | 24 | 18.9 | 3509 | PASS |

| Client Sample ID | Lab Sample ID | Lab File ID | Batch | Analysis Date | Analysis Time |
|---|---|---|---|---|---|
| | 534-40-STD40 | 1214B01 | | 12/14/2006 | 09:26:00 |
| | 534-43-BASIC40 | 1214B03 | | 12/14/2006 | 10:18:00 |
| | 20489336\B1 | 1214B04 | 79793 | 12/14/2006 | 10:44:00 |
| | 20489337\S1 | 1214B05 | 79793 | 12/14/2006 | 11:12:00 |
| 2WSW6-EPA | 20489238 | 1214B18 | 79793 | 12/14/2006 | 16:55:00 |

Comments:

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name :  Contract :
Project :  Site :  Location :  Group :
Lab File ID (Standard): 1030B01.D  Date Analyzed : 30 Oct 2006
Instrument ID : 5973N  Time Analyzed : 12:09
GC Column :  ID :  (mm)  Heated Purge (Y:N) :

| | IS1 (DCB) | | IS2 (NPT) | | IS3 (ANT) | |
|---|---|---|---|---|---|---|
| | Area # | RT # | Area # | RT # | Area # | RT # |
| 12 HOUR STD | 46221 | 6.25 | 140502 | 7.88 | 67036 | 10.10 |
| UPPER LIMIT | 92442 | 6.75 | 281004 | 8.38 | 134072 | 10.60 |
| LOWER LIMIT | 23111 | 5.75 | 70251 | 7.38 | 33518 | 9.60 |
| File ID Sample | | | | | | |
| 1030B01 534-40-ST | 46221 | 6.25 | 140502 | 7.88 | 67036 | 10.10 |
| 1030B02 534-40-ST | 49002 | 6.25 | 141869 | 7.87 | 64226 | 10.09 |
| 1030B03 534-40-ST | 49497 | 6.24 | 142522 | 7.87 | 66611 | 10.09 |
| 1030B04 534-40-ST | 46162 | 6.24 | 125995 | 7.87 | 59293 | 10.09 |
| 1030B05 534-40-ST | 53709 | 6.24 | 177330 | 7.87 | 84389 | 10.09 |
| 1030B06 534-40-ST | 66942 | 6.24 | 227895 | 7.86 | 120311 | 10.09 |
| 1030B07 534-40-IC | 49120 | 6.25 | 148607 | 7.88 | 68876 | 10.10 |

IS1 (DCB) = CI30 1,4-Diclbenzene-d4
IS2 (NPT) = CI40 Naphthalene-d8
IS3 (ANT) = CI50 Acenaphthene-d10

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = 0.5 minutes of internal standard RT
RT LOWER LIMIT = -0.5 minutes of internal standard RT

# Column to be used to flag values outside QC limit with an asterisk
* Values outside of contract required QC limits

020009

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name :  Contract :
Project :  Site :  Location :  Group :
Lab File ID (Standard): 1030B01.D  Date Analyzed : 30 Oct 2006
Instrument ID : 5973N  Time Analyzed : 12:09
GC Column :  ID :  (mm)  Heated Purge (Y:N) :

| | IS4 (PHN) | | | IS5 (CRY) | | | IS6 (PRY) | | |
|---|---|---|---|---|---|---|---|---|---|
| | Area | # | RT | # | Area | # | RT | # | Area | # | RT | # |
| 12 HOUR STD | 96623 | | 11.99 | | 114535 | | 15.80 | | 119687 | | 17.94 | |
| UPPER LIMIT | 193246 | | 12.49 | | 229070 | | 16.30 | | 239374 | | 18.44 | |
| LOWER LIMIT | 48312 | | 11.49 | | 57268 | | 15.30 | | 59844 | | 17.44 | |
| File ID Sample | | | | | | | | | | | | |
| 1030B01 534-40-ST | 96623 | | 11.99 | | 114535 | | 15.80 | | 119687 | | 17.94 | |
| 1030B02 534-40-ST | 88526 | | 11.98 | | 128484 | | 15.79 | | 133944 | | 17.94 | |
| 1030B03 534-40-ST | 106693 | | 11.98 | | 140352 | | 15.79 | | 124366 | | 17.94 | |
| 1030B04 534-40-ST | 93235 | | 11.98 | | 128275 | | 15.80 | | 114039 | | 17.94 | |
| 1030B05 534-40-ST | 118499 | | 11.97 | | 137869 | | 15.79 | | 158087 | | 17.93 | |
| 1030B06 534-40-ST | 182156 | | 11.97 | | 208202 | | 15.78 | | 208565 | | 17.92 | |
| 1030B07 534-40-IC | 95870 | | 11.99 | | 115036 | | 15.81 | | 128949 | | 17.95 | |

IS4 (PHN) = CI60 Phenanthrene-d10
IS5 (CRY) = CI70 Chrysene-d12
IS6 (PRY) = CI75 Perylene-d12

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = 0.5 minutes of internal standard RT
RT LOWER LIMIT = -0.5 minutes of internal standard RT

# Column to be used to flag values outside QC limit with an asterisk
* Values outside of contract required QC limits

020010

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name :  Contract :
Project :  Site :  Location :  Group :
Lab File ID (Standard): 1109B01.D  Date Analyzed : 9 Nov 2006
Instrument ID : 5973N  Time Analyzed : 15:49
GC Column :  ID :  (mm)  Heated Purge (Y:N) :

| | IS1 (DCB) | | IS2 (NPT) | | IS3 (ANT) | |
|---|---|---|---|---|---|---|
| | Area # | RT # | Area # | RT # | Area # | RT # |
| 12 HOUR STD | 74996 | 6.19 | 258503 | 7.81 | 125346 | 10.04 |
| UPPER LIMIT | 149992 | 6.69 | 517006 | 8.31 | 250692 | 10.54 |
| LOWER LIMIT | 37498 | 5.69 | 129252 | 7.31 | 62673 | 9.54 |
| File ID Sample | | | | | | |
| 1109B01 534-43-BA | 74996 | 6.19 | 258503 | 7.81 | 125346 | 10.04 |
| 1109B02 534-43-BA | 69678 | 6.19 | 236868 | 7.82 | 113236 | 10.04 |
| 1109B03 534-43-BA | 52930 | 6.20 | 177486 | 7.82 | 82428 | 10.05 |
| 1109B04 534-43-BA | 48648 | 6.20 | 167340 | 7.82 | 84702 | 10.05 |
| 1109B05 534-43-BA | 52570 | 6.20 | 180129 | 7.82 | 87222 | 10.05 |
| 1109B06 534-43-BA | 65502 | 6.19 | 226977 | 7.82 | 112421 | 10.04 |

IS1 (DCB) = CI30 1,4-Dichlorobenzene-d4
IS2 (NPT) = CI40 Naphthalene-d8
IS3 (ANT) = CI50 Acenaphthene-d10

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = 0.5 minutes of internal standard RT
RT LOWER LIMIT = -0.5 minutes of internal standard RT

# Column to be used to flag values outside QC limit with an asterisk
* Values outside of contract required QC limits

020011

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name :  Contract :
Project :  Site :  Location :  Group :
Lab File ID (Standard): 1109B01.D  Date Analyzed : 9 Nov 2006
Instrument ID : 5973N  Time Analyzed : 15:49
GC Column :  ID :  (mm)  Heated Purge (Y:N) :

| | IS4 (PHN) | | IS5 (CRY) | | IS6 (PRY) | |
|---|---|---|---|---|---|---|
| | Area # | RT # | Area # | RT # | Area # | RT # |
| 12 HOUR STD | 176225 | 11.92 | 158039 | 15.72 | 194948 | 17.85 |
| UPPER LIMIT | 352450 | 12.42 | 316078 | 16.22 | 389896 | 18.35 |
| LOWER LIMIT | 88113 | 11.42 | 79020 | 15.22 | 97474 | 17.35 |
| File ID Sample | | | | | | |
| 1109B01 534-43-BA | 176225 | 11.92 | 158039 | 15.72 | 194948 | 17.85 |
| 1109B02 534-43-BA | 154885 | 11.92 | 162027 | 15.72 | 202247 | 17.85 |
| 1109B03 534-43-BA | 129117 | 11.93 | 164730 | 15.73 | 202020 | 17.86 |
| 1109B04 534-43-BA | 145390 | 11.93 | 170441 | 15.73 | 198628 | 17.86 |
| 1109B05 534-43-BA | 134692 | 11.93 | 161637 | 15.73 | 192950 | 17.87 |
| 1109B06 534-43-BA | 151449 | 11.92 | 154516 | 15.72 | 192944 | 17.85 |

IS4 (PHN) = CI60 Phenanthrene-d10
IS5 (CRY) = CI70 Chrysene-d12
IS6 (PRY) = CI75 Perylene-d12

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = 0.5 minutes of internal standard RT
RT LOWER LIMIT = -0.5 minutes of internal standard RT

# Column to be used to flag values outside QC limit with an asterisk
* Values outside of contract required QC limits

020012

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name :  Contract :
Project :  Site :  Location :  Group :
Lab File ID (Standard): 1214B01.D  Date Analyzed : 14 Dec 2006
Instrument ID : 5973N  Time Analyzed : 9:26
GC Column :  ID :  (mm)  Heated Purge (Y:N) :

| | IS1 (DCB) Area | # | RT | # | IS2 (NPT) Area | # | RT | # | IS3 (ANT) Area | # | RT | # |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 HOUR STD | 45519 | | 5.26 | | 138639 | | 6.89 | | 64205 | | 9.10 | |
| UPPER LIMIT | 91038 | | 5.76 | | 277278 | | 7.39 | | 128410 | | 9.60 | |
| LOWER LIMIT | 22760 | | 4.76 | | 69320 | | 6.39 | | 32103 | | 8.60 | |
| File ID Sample | | | | | | | | | | | | |
| 1214B04 20489336\ | 50826 | | 5.25 | | 197375 | | 6.88 | | 106413 | | 9.09 | |
| 1214B05 20489337\ | 45210 | | 5.26 | | 137674 | | 6.89 | | 62281 | | 9.10 | |
| 1214B06 20489821\ | 43142 | | 5.25 | | 179266 | | 6.88 | | 102201 | | 9.09 | |
| 1214B07 20489822\ | 35836 | | 5.26 | | 123168 | | 6.89 | | 61944 | | 9.11 | |
| 1214B08 20489925 | 36933 | | 5.26 | | 154976 | | 6.88 | | 85525 | | 9.10 | |
| 1214B09 20488526 | 41133 | | 5.25 | | 162145 | | 6.88 | | 90427 | | 9.09 | |
| 1214B10 20489338\ | 41403 | | 5.26 | | 127105 | | 6.89 | | 60023 | | 9.11 | |
| 1214B11 20489339\ | 34064 | | 5.26 | | 115868 | | 6.89 | | 59772 | | 9.10 | |
| 1214B12 20488920 | 36138 | | 5.26 | | 146450 | | 6.89 | | 82291 | | 9.10 | |
| 1214B13 20488919 | 52937 | | 5.25 | | 191301 | | 6.88 | | 98682 | | 9.09 | |
| 1214B14 20488923 | 48685 | | 5.25 | | 177471 | | 6.88 | | 95075 | | 9.09 | |
| 1214B15 20488924 | 53709 | | 5.26 | | 182523 | | 6.89 | | 96784 | | 9.10 | |
| 1214B16 20488925 | 43094 | | 5.26 | | 157515 | | 6.89 | | 86850 | | 9.10 | |
| 1214B17 20489231 | 43312 | | 5.26 | | 150595 | | 6.89 | | 82534 | | 9.10 | |
| 1214B18 20489238 | 43163 | | 5.26 | | 159850 | | 6.89 | | 89369 | | 9.10 | |
| 1214B19 20488042 | 30225 | | 5.27 | | 128043 | | 6.89 | | 89318 | | 9.10 | |

IS1 (DCB) = CI30 1,4-Diclbenzene-d4
IS2 (NPT) = CI40 Naphthalene-d8
IS3 (ANT) = CI50 Acenaphthene-d10

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = 0.5 minutes of internal standard RT
RT LOWER LIMIT = -0.5 minutes of internal standard RT

# Column to be used to flag values outside QC limit with an asterisk
* Values outside of contract required QC limits

020013

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name :  Contract :
Project :  Site :  Location :  Group :
Lab File ID (Standard): 1214B01.D  Date Analyzed : 14 Dec 2006
Instrument ID : 5973N  Time Analyzed : 9:26
GC Column :  ID :  (mm)  Heated Purge (Y:N) :

| | IS4 (PHN) | | IS5 (CRY) | | IS6 (PRY) | |
|---|---|---|---|---|---|---|
| | Area # | RT # | Area # | RT # | Area # | RT # |
| 12 HOUR STD | 86075 | 10.95 | 138782 | 14.56 | 126513 | 16.62 |
| UPPER LIMIT | 172150 | 11.45 | 277564 | 15.06 | 253026 | 17.12 |
| LOWER LIMIT | 43038 | 10.45 | 69391 | 14.06 | 63257 | 16.12 |
| File ID Sample | | | | | | |
| 1214B04 20489336\ | 162604 | 10.94 | 179164 | 14.55 | 186747 | 16.61 |
| 1214B05 20489337\ | 88229 | 10.95 | 149623 | 14.56 | 114373 | 16.62 |
| 1214B06 20489821\ | 144721 | 10.94 | 156580 | 14.55 | 196707 | 16.61 |
| 1214B07 20489822\ | 94849 | 10.95 | 150325 | 14.57 | 121778 | 16.63 |
| 1214B08 20489925 | 130046 | 10.94 | 160499 | 14.55 | 185480 | 16.61 |
| 1214B09 20488526 | 148926 | 10.94 | 187260 | 14.55 | 158509 | 16.61 |
| 1214B10 20489338\ | 94387 | 10.95 | 152106 | 14.58 | 112375 | 16.63 |
| 1214B11 20489339\ | 96442 | 10.95 | 146550 | 14.58 | 104722 | 16.63 |
| 1214B12 20488920 | 137629 | 10.95 | 169152 | 14.56 | 179418 | 16.62 |
| 1214B13 20488919 | 139799 | 10.94 | 176528 | 14.55 | 186682 | 16.61 |
| 1214B14 20488923 | 156369 | 10.94 | 191340 | 14.55 | 195022 | 16.61 |
| 1214B15 20488924 | 169846 | 10.95 | 199745 | 14.56 | 187393 | 16.62 |
| 1214B16 20488925 | 149483 | 10.95 | 190463 | 14.56 | 182261 | 16.62 |
| 1214B17 20489231 | 143826 | 10.95 | 168313 | 14.56 | 144614 | 16.62 |
| 1214B18 20489238 | 156107 | 10.95 | 188256 | 14.56 | 173683 | 16.62 |
| 1214B19 20488042 | 168073 | 10.95 | 172779 | 14.57 | 69471 | 16.63 |

IS4 (PHN) = CI60 Phenanthrene-d10
IS5 (CRY) = CI70 Chrysene-d12
IS6 (PRY) = CI75 Perylene-d12

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = 0.5 minutes of internal standard RT
RT LOWER LIMIT = -0.5 minutes of internal standard RT

# Column to be used to flag values outside QC limit with an asterisk
* Values outside of contract required QC limits

020014

Pace Analytical™
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**SEMIVOLATILE**

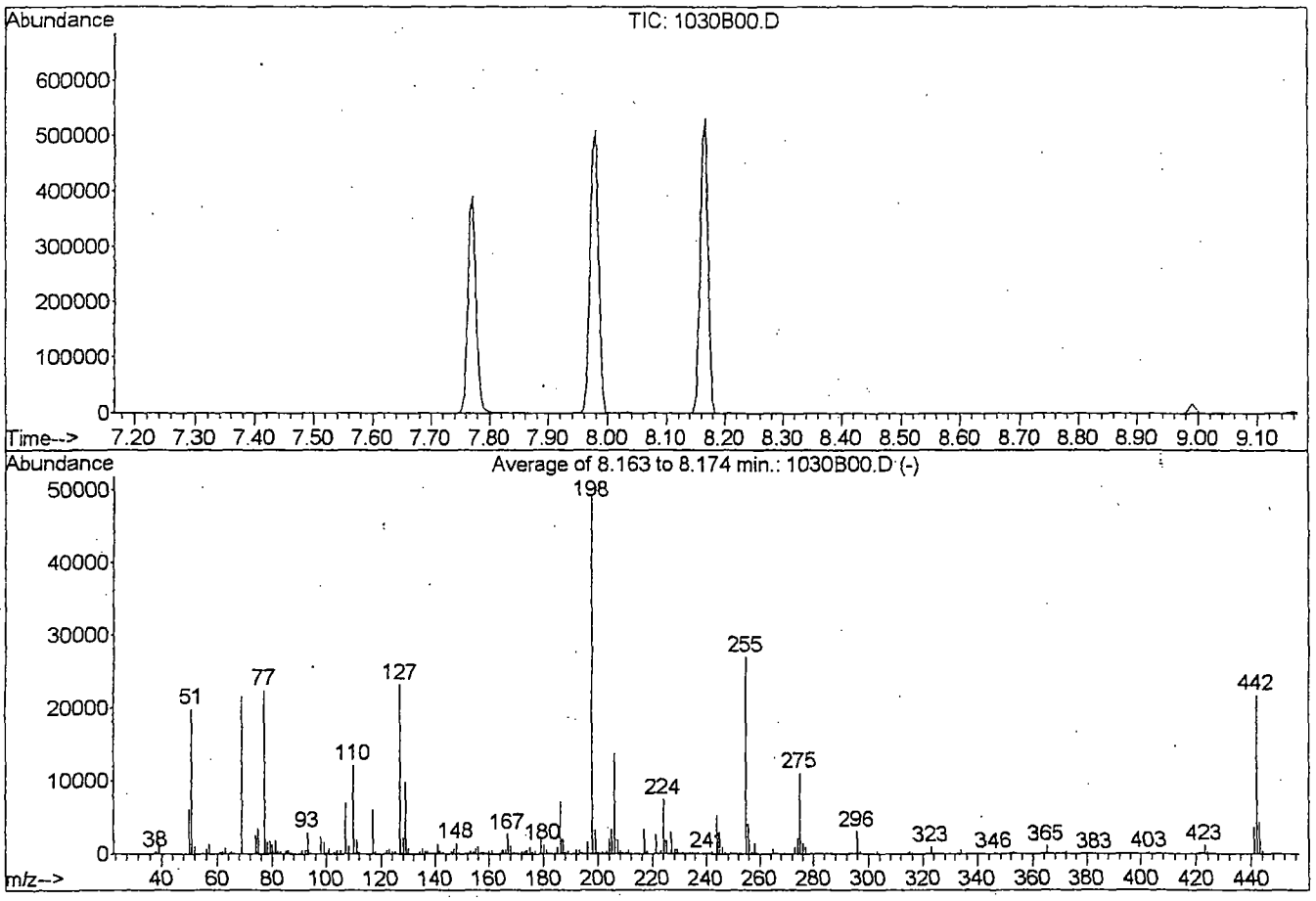
**RAW QC**

**SDG: 2064976**

# DFTPP Tune Evaluation

Data File : Q:\DATAB\103006\1030B00.D
Acq On : 30 Oct 2006 11:51
Sample : 534-31-PERF
Misc :
MS Integration Params: RTEINT.P
Method : Q:\DATAB\BDFTPP.M (RTE Integrator)
Title : BNA Performance Calibration

Vial: 1
Operator:
Inst : 5973N
Multiplr: 1.00




Peak Apex is scan: 391 (8.17 min)
Average of 3 scans: 390,391,392 minus background scan 371 (8.06 min)

| Target Mass | Rel. to Mass | Lower Limit,% | Upper Limit,% | Rel. Abn,% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 51 | 198 | 30 | 80 | 40.1 | 19803 | PASS |
| 68 | 69 | 0 | 2 | 0.0 | 0 | PASS |
| 69 | 198 | 0 | 100 | 43.6 | 21527 | PASS |
| 70 | 69 | 0 | 2 | 0.5 | 98 | PASS |
| 127 | 198 | 25 | 75 | 47.0 | 23223 | PASS |
| 197 | 198 | 0 | 1 | 0.0 | 0 | PASS |
| 198 | 198 | 100 | 100 | 100.0 | 49405 | PASS |
| 199 | 198 | 5 | 9 | 6.9 | 3417 | PASS |
| 275 | 198 | 10 | 30 | 22.4 | 11077 | PASS |
| 365 | 198 | 1 | 100 | 2.2 | 1091 | PASS |
| 441 | 443 | 0 | 100 | 86.3 | 3742 | PASS |
| 442 | 198 | 40 | 110 | 44.1 | 21797 | PASS |
| 443 | 442 | 15 | 24 | 19.9 | 4334 | PASS |

020079

1030B00.D BDFTPP.M Mon Oct 30 17:11:44 2006

Average of 8.163 to 8.174 min.: 1030B00.D
534-31-PERF
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 38.00 | 340 | 69.00 | 21527 | 86.00 | 572 | 108.00 | 1106 |
| 39.00 | 1635 | 74.00 | 2522 | 91.00 | 436 | 110.00 | 12214 |
| 50.00 | 6126 | 75.00 | 3487 | 92.10 | 565 | 111.00 | 1897 |
| 51.00 | 19803 | 77.10 | 22432 | 93.00 | 2975 | 117.00 | 6108 |
| 52.00 | 968 | 78.10 | 1630 | 98.00 | 2331 | 118.00 | 418 |
| 56.00 | 703 | 79.00 | 1752 | 99.00 | 1662 | 122.00 | 505 |
| 57.00 | 1333 | 80.00 | 1215 | 101.00 | 909 | 123.00 | 776 |
| 61.00 | 292 | 81.00 | 1810 | 103.00 | 273 | 124.00 | 374 |
| 62.00 | 320 | 82.00 | 419 | 104.00 | 611 | 125.00 | 318 |
| 63.00 | 883 | 83.00 | 350 | 105.00 | 598 | 127.00 | 23223 |
| 65.05 | 376 | 85.05 | 322 | 107.00 | 7041 | 128.10 | 2183 |

Average of 8.163 to 8.174 min.: 1030B00.D
534-31-PERF
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 129.00 | 9893 | 149.00 | 274 | 168.00 | 1247 | 185.10 | 971 |
| 130.00 | 819 | 153.00 | 460 | 169.00 | 247 | 186.10 | 7166 |
| 134.00 | 322 | 154.05 | 333 | 172.00 | 280 | 187.10 | 1977 |
| 135.00 | 833 | 155.05 | 758 | 173.00 | 310 | 189.00 | 473 |
| 136.05 | 321 | 156.05 | 1065 | 174.00 | 565 | 192.00 | 614 |
| 137.00 | 392 | 158.05 | 255 | 175.05 | 1030 | 193.10 | 649 |
| 141.00 | 1339 | 160.00 | 353 | 176.05 | 301 | 196.10 | 1635 |
| 142.00 | 412 | 161.00 | 576 | 177.00 | 433 | 198.00 | 49405 |
| 143.00 | 310 | 165.00 | 506 | 179.00 | 1896 | 199.00 | 3417 |
| 147.05 | 700 | 166.05 | 492 | 180.05 | 1312 | 200.05 | 279 |
| 148.00 | 1485 | 167.00 | 2742 | 181.00 | 634 | 201.50 | 280 |

Average of 8.163 to 8.174 min.: 1030B00.D
534-31-PERF
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 203.00 | 387 | 224.10 | 7468 | 257.10 | 280 | 314.95 | 310 |
| 204.05 | 2041 | 225.10 | 1813 | 258.00 | 1475 | 323.05 | 965 |
| 205.10 | 3426 | 227.00 | 3035 | 265.00 | 579 | 334.00 | 569 |
| 206.10 | 13754 | 228.00 | 492 | 273.10 | 872 | 353.95 | 285 |
| 207.10 | 1882 | 229.00 | 684 | 274.10 | 2195 | 364.95 | 1091 |
| 208.00 | 471 | 242.05 | 368 | 275.05 | 11077 | 372.00 | 438 |
| 211.05 | 550 | 244.10 | 5374 | 276.05 | 1452 | 402.95 | 248 |
| 217.00 | 3450 | 245.10 | 730 | 277.00 | 968 | 423.00 | 1242 |
| 218.00 | 438 | 246.00 | 957 | 296.00 | 3093 | 441.10 | 3742 |
| 221.10 | 2555 | 255.00 | 27008 | 297.00 | 369 | 442.00 | 21797 |
| 223.10 | 448 | 256.05 | 4115 | 303.05 | 325 | 443.00 | 4334 |

Average of 8.163 to 8.174 min.: 1030B00.D
534-31-PERF
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 443.95 | 425 | | | | | | |

Quantitation Report (QT Reviewed)

Data File : Q:\DATAB\103006\1030B00.D Vial: 1
Acq On : 30 Oct 2006 11:51 Operator:
Sample : 534-31-PERF Inst : 5973N
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 30 17:11 2006 Quant Results File: BDFTPP.RES

Quant Method : Q:\DATAB\BDFTPP.M (RTE Integrator)
Title : BNA Performance Calibration
Last Update : Thu Oct 26 14:42:15 2006
Response via : Initial Calibration
DataAcq Meth : BDFTPPGC
IS QA File : 50 level for IS QA unknown. No recoveries calculated.

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) Rcv(Ar ) |
|---|---|---|---|---|---|
| 1) CI60 Phenanthrene-d10 | 7.98 | 188 | 178929 | 20.00 ul/l | -0.01 NA% |
| **System Monitoring Compounds** | | | | | |
| **Target Compounds** | | | | | Qvalue |
| 2) DFTPP | 8.17 | 198 | 56361 | 52.49 ul/l | 91 |
| 3) Pentachlorophenol | 7.77 | 266 | 37236 | 37.68 ul/l | 99 |
| 4) Benzidine | 9.31 | 184 | 252441 | 151.00 ul/l | 98 |
| 5) DDT | 10.13 | 235 | 116109 | 55.37 ul/l | 98 |
| 6) DDD | 9.82 | 235 | 8037 | 0.24 ul/l | 100 |
| 7) DDE | 9.49 | 246 | 436 | 0.13 ul/l | 100 |

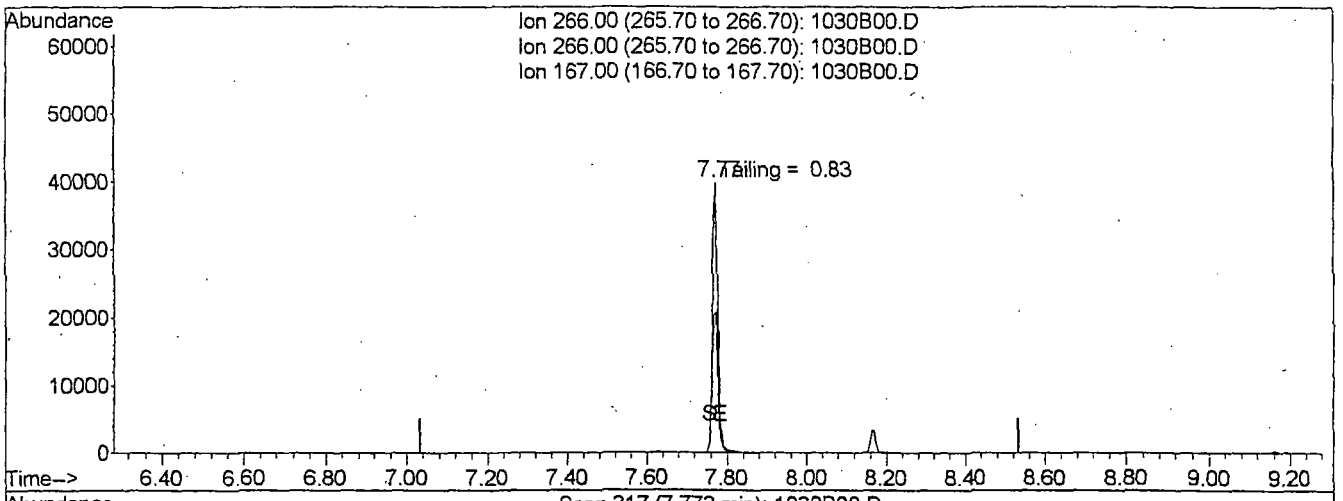
(#) = qualifier out of range (m) = manual integration

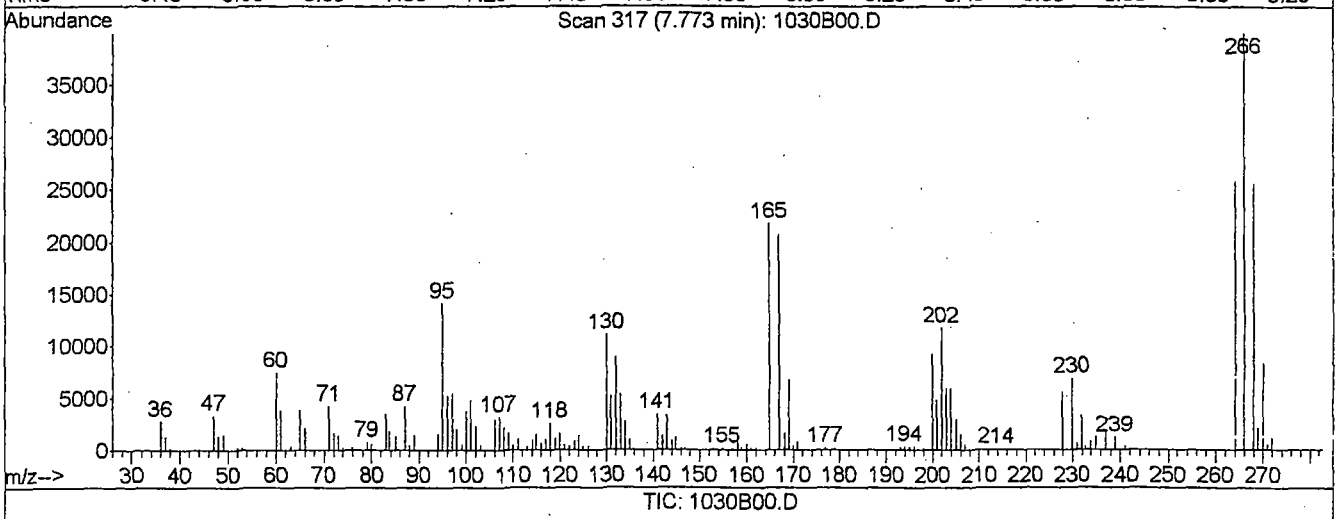
Quantitation Report (Qedit)

Data File : Q:\DATAB\103006\1030B00.D
Acq On : 30 Oct 2006 11:51
Sample : 534-31-PERF
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 30 17:11 2006

Vial: 1
Operator:
Inst : 5973N
Multiplr: 1.00
Quant Results File: temp.res

Method : Q:\DATAB\BDFTPP.M (RTE Integrator)
Title : BNA Performance Calibration
Last Update : Thu Oct 26 14:42:15 2006
Response via : Single Level Calibration




TIC: 1030B00.D

(3) Pentachlorophenol (T)

7.77min 37.68ul/l

response 37236

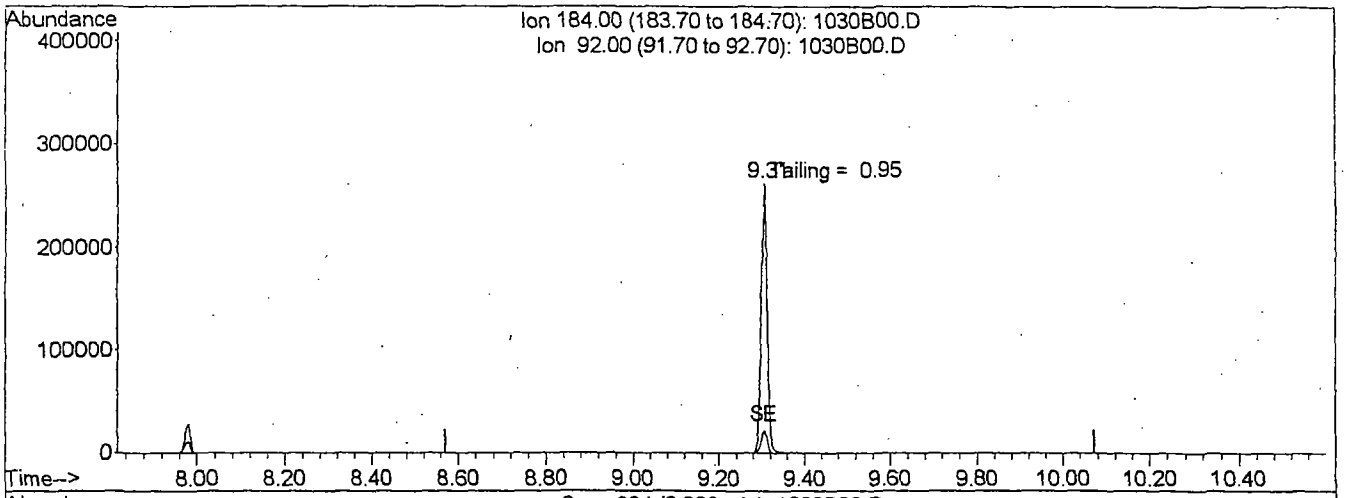
| Ion | Exp% | Act% |
|---|---|---|
| 266.00 | 100 | 100 |
| 266.00 | 100.00 | 100.00 |
| 167.00 | 49.20 | 52.05 |
| 0.00 | 0.00 | 0.00 |

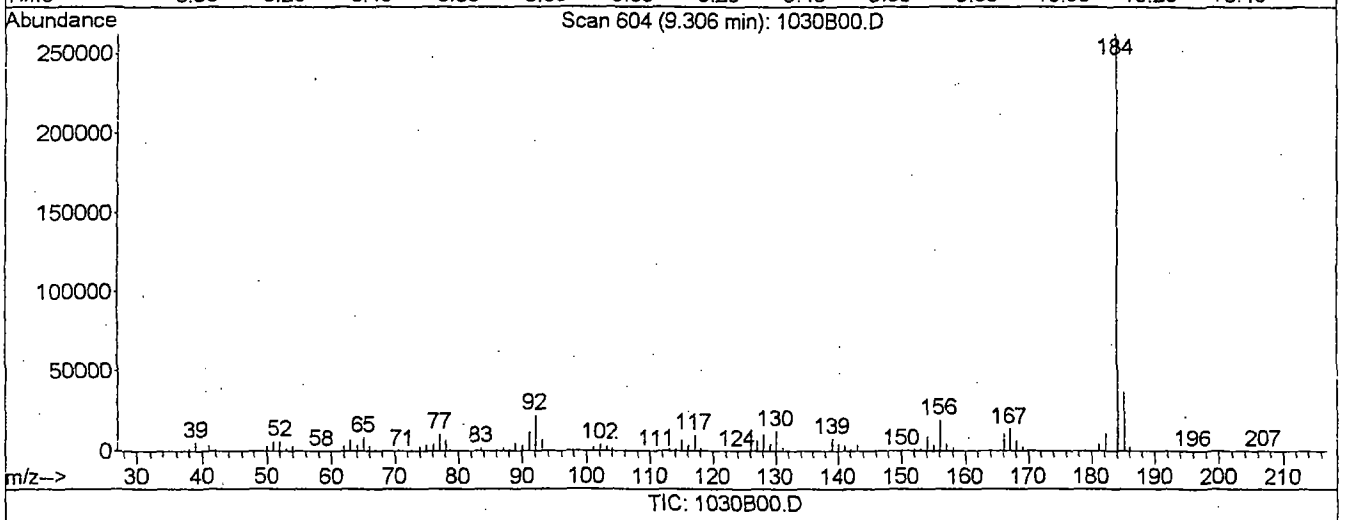
020082

Quantitation Report (Qedit)

Data File : Q:\DATAB\103006\1030B00.D  Vial: 1
Acq On : 30 Oct 2006 11:51  Operator:
Sample : 534-31-PERF  Inst : 5973N
Misc :  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 30 17:11 2006  Quant Results File: temp.res

Method : Q:\DATAB\BDFTPP.M (RTE Integrator)
Title : BNA Performance Calibration
Last Update : Thu Oct 26 14:42:15 2006
Response via : Single Level Calibration




TIC: 1030B00.D

(4) Benzidine (T)

9.31min 151.00ul/l

response 252441

| Ion | Exp% | Act% |
|---|---|---|
| 184.00 | 100 | 100 |
| 92.00 | 7.90 | 8.52 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

020083

# DDT Breakdown Report

Data File : Q:\DATAB\103006\1030B00.D
Acq On : 30 Oct 2006 11:51
Sample : 534-31-PERF
Misc :
MS Integration Params: RTEINT.P

Vial: 1
Operator:
Inst : 5973N
Multiplr: 1.00

Quant Time: Oct 30 17:11 2006

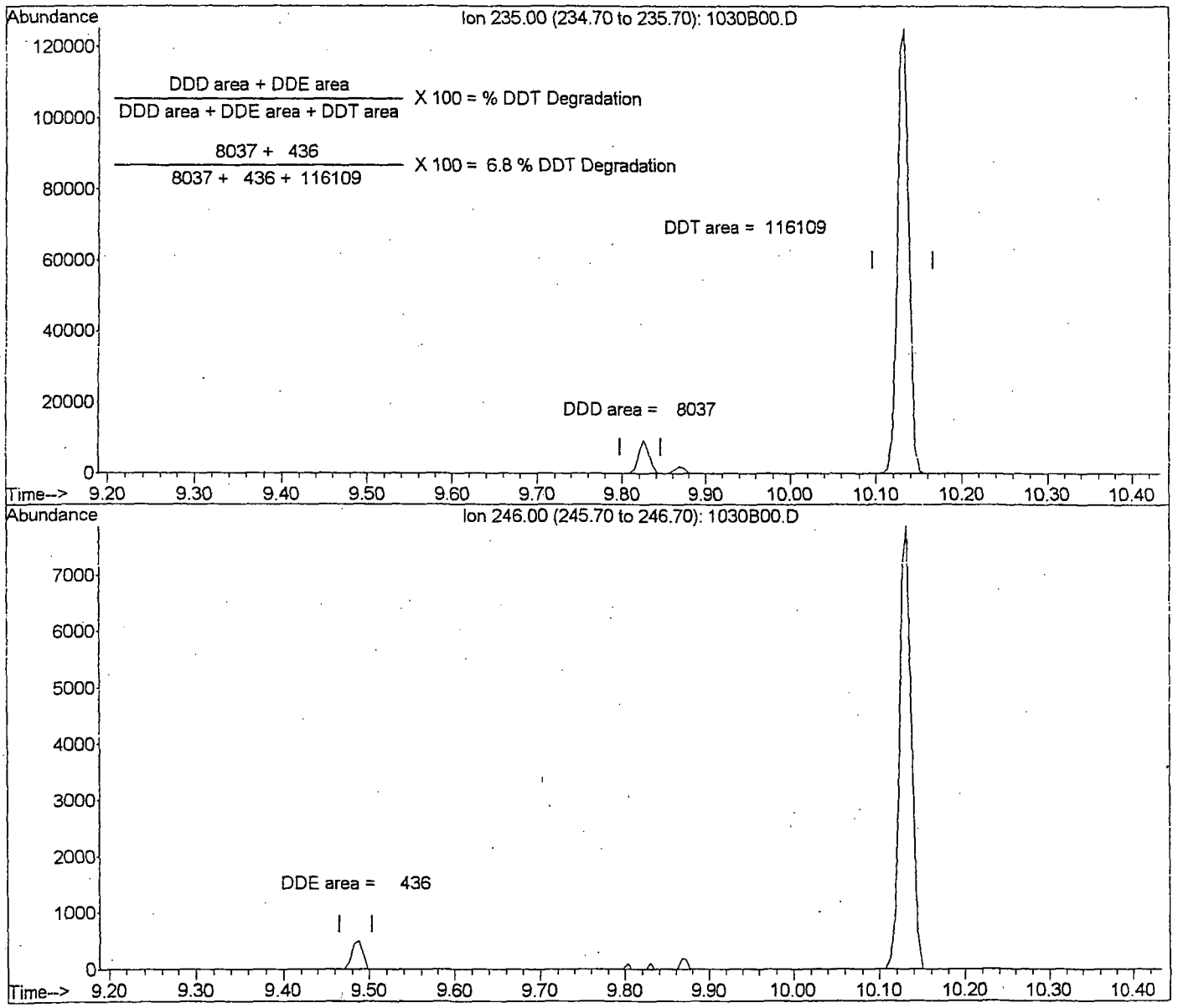
Quant Results File: BDFTPP.RES

Quant Method : Q:\DATAB\BDFTPP.M (RTE Integrator)
Title : BNA Performance Calibration
Last Update : Thu Oct 26 14:42:15 2006
Response via :
DataAcq Meth : BDFTPPGC

---

DDT degradation % 6.8

Maximum 20%

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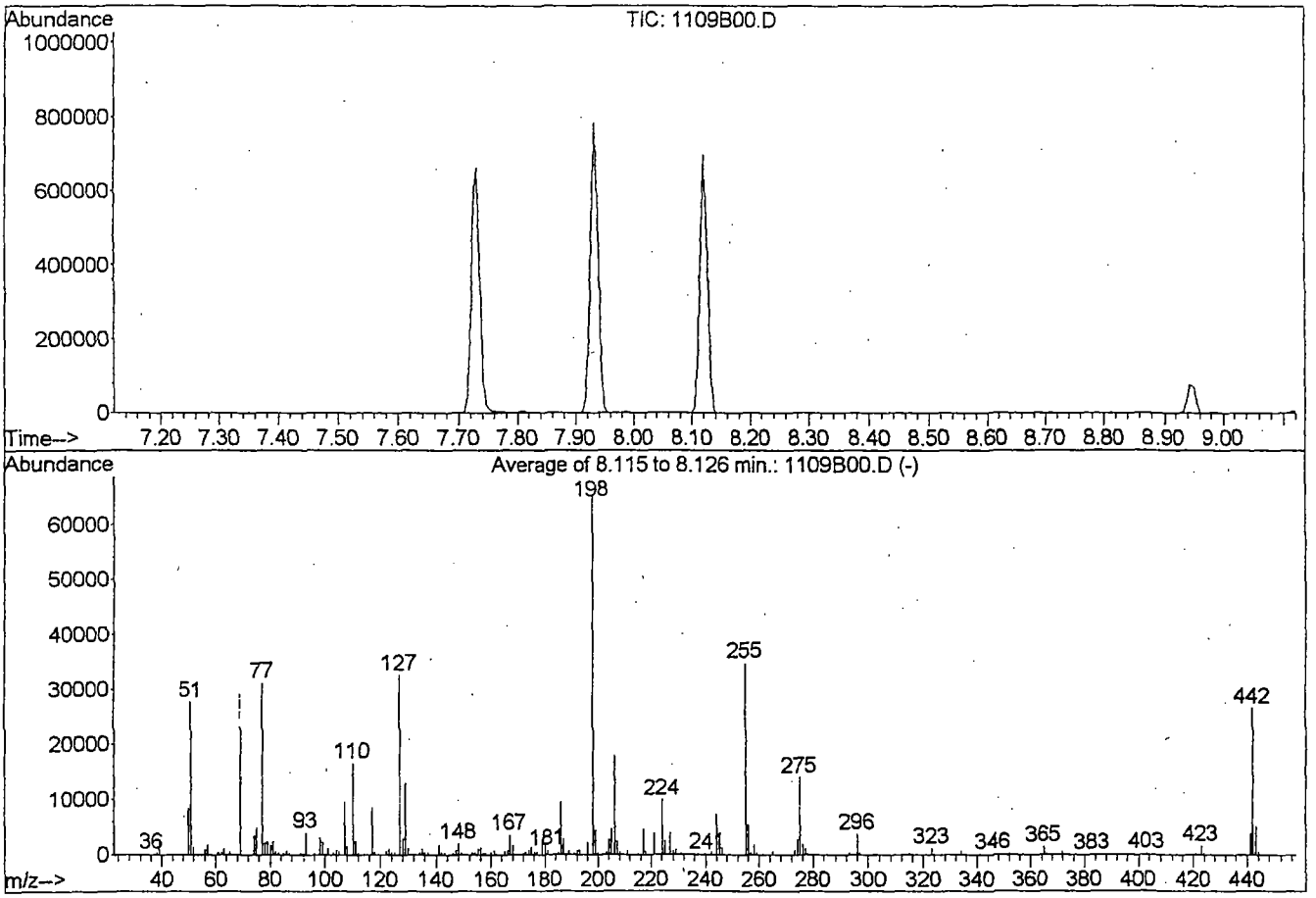
Mon Oct 30 17:11:41 2006

# DFTPP Tune Evaluation

Data File : Q:\DATAB\110906\1109B00.D
Acq On : 9 Nov 2006 15:33
Sample : 534-31-PERF
Misc :
MS Integration Params: RTEINT.P
Method : Q:\DATAB\BDFTPP.M (RTE Integrator)
Title : BNA Performance Calibration

Vial: 1
Operator:
Inst : 5973N
Multiplr: 1.00




Peak Apex is scan: 382 (8.12 min)
Average of 3 scans: 381,382,383 minus background scan 362 (8.01 min)

| Target Mass | Rel. to Mass | Lower Limit,% | Upper Limit,% | Rel. Abn,% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 51 | 198 | 30 | 80 | 42.3 | 27653 | PASS |
| 68 | 69 | 0 | 2 | 0.0 | 0 | PASS |
| 69 | 198 | 0 | 100 | 44.7 | 29237 | PASS |
| 70 | 69 | 0 | 2 | 0.4 | 117 | PASS |
| 127 | 198 | 25 | 75 | 49.9 | 32613 | PASS |
| 197 | 198 | 0 | 1 | 0.0 | 0 | PASS |
| 198 | 198 | 100 | 100 | 100.0 | 65413 | PASS |
| 199 | 198 | 5 | 9 | 6.7 | 4415 | PASS |
| 275 | 198 | 10 | 30 | 21.3 | 13935 | PASS |
| 365 | 198 | 1 | 100 | 2.2 | 1431 | PASS |
| 441 | 443 | 0 | 100 | 76.0 | 3923 | PASS |
| 442 | 198 | 40 | 110 | 40.8 | 26671 | PASS |
| 443 | 442 | 15 | 24 | 19.3 | 5159 | PASS |

534-31-PERF
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 38.10 | 475 | 69.00 | 29237 | 86.00 | 734 | 107.00 | 9560 |
| 39.00 | 2289 | 74.00 | 3399 | 87.00 | 344 | 108.00 | 1512 |
| 50.00 | 8407 | 75.00 | 4923 | 91.00 | 561 | 110.00 | 16527 |
| 51.00 | 27653 | 77.10 | 31189 | 92.00 | 389 | 111.00 | 2544 |
| 52.00 | 1424 | 78.05 | 2226 | 93.00 | 3969 | 112.00 | 341 |
| 56.00 | 911 | 79.00 | 2359 | 98.00 | 3050 | 117.00 | 8530 |
| 57.00 | 1816 | 80.00 | 1767 | 99.00 | 2306 | 118.00 | 542 |
| 61.00 | 417 | 81.00 | 2384 | 101.00 | 1180 | 122.00 | 698 |
| 62.00 | 434 | 82.00 | 577 | 103.00 | 464 | 123.00 | 1008 |
| 63.00 | 1147 | 83.00 | 484 | 104.00 | 852 | 124.00 | 515 |
| 65.05 | 566 | 85.00 | 384 | 105.00 | 732 | 125.00 | 410 |

Average of 8.115 to 8.126 min.: 1109B00.D
534-31-PERF
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 127.00 | 32613 | 146.00 | 336 | 166.10 | 645 | 181.05 | 832 |
| 128.10 | 2850 | 147.05 | 924 | 167.00 | 3591 | 185.10 | 432 |
| 129.00 | 12979 | 148.00 | 2055 | 168.00 | 1722 | 186.05 | 9442 |
| 130.00 | 1176 | 149.00 | 437 | 172.00 | 363 | 187.05 | 2750 |
| 134.00 | 459 | 153.00 | 515 | 173.00 | 486 | 189.00 | 657 |
| 135.00 | 1106 | 154.00 | 408 | 174.05 | 804 | 191.00 | 343 |
| 136.05 | 411 | 155.00 | 992 | 175.05 | 1377 | 192.00 | 781 |
| 137.00 | 557 | 156.05 | 1388 | 176.05 | 456 | 193.05 | 919 |
| 141.00 | 1765 | 160.00 | 598 | 177.00 | 605 | 196.05 | 2211 |
| 142.00 | 583 | 161.00 | 768 | 179.00 | 2537 | 198.00 | 65413 |
| 143.00 | 410 | 165.00 | 698 | 180.00 | 1688 | 199.00 | 4415 |

Average of 8.115 to 8.126 min.: 1109B00.D
534-31-PERF
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 199.95 | 366 | 224.05 | 9839 | 255.00 | 34853 | 297.00 | 468 |
| 203.05 | 498 | 225.05 | 2527 | 256.00 | 5449 | 303.05 | 403 |
| 204.05 | 2808 | 227.00 | 3929 | 257.05 | 449 | 314.95 | 377 |
| 205.10 | 4671 | 228.00 | 641 | 258.00 | 1866 | 323.00 | 1154 |
| 206.10 | 17897 | 229.00 | 885 | 265.00 | 725 | 334.00 | 691 |
| 207.05 | 2460 | 231.05 | 328 | 273.05 | 975 | 365.00 | 1431 |
| 208.00 | 568 | 237.05 | 339 | 274.05 | 2919 | 372.00 | 534 |
| 211.00 | 758 | 242.05 | 553 | 275.00 | 13935 | 422.95 | 1619 |
| 217.00 | 4722 | 244.10 | 7278 | 276.05 | 1899 | 423.90 | 342 |
| 218.00 | 610 | 245.05 | 1017 | 277.00 | 1186 | 441.10 | 3923 |
| 221.05 | 3795 | 246.00 | 1330 | 296.00 | 3686 | 442.00 | 26671 |

Average of 8.115 to 8.126 min.: 1109B00.D
534-31-PERF
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 443.00 | 5159 | | | | | | |
| 444.00 | 471 | | | | | | |

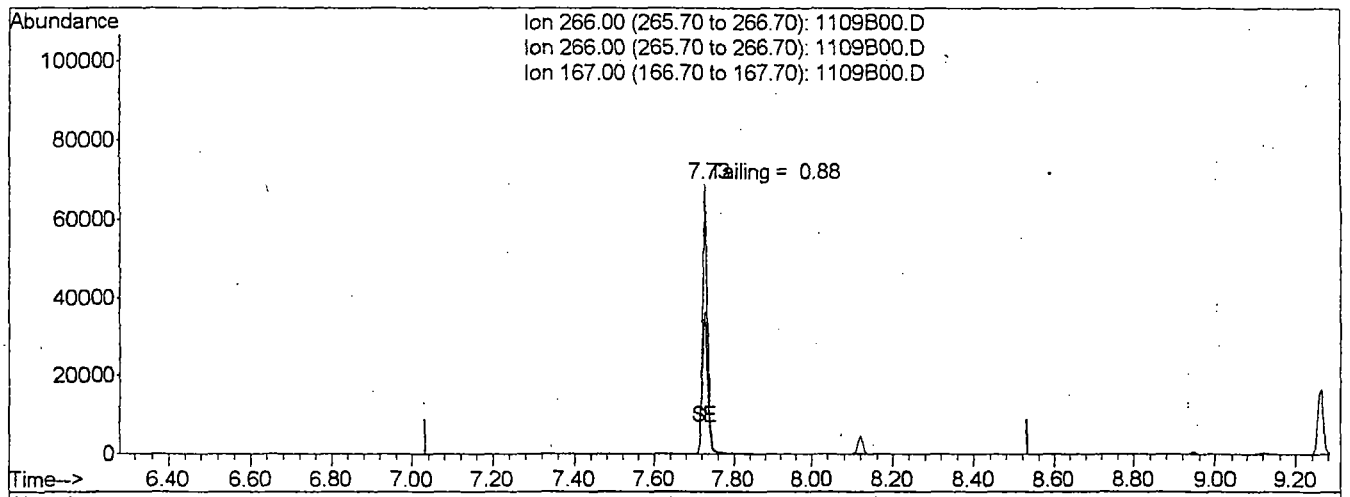
Data File : Q:\DATAB\110906\1109B00.D Vial: 1
Acq On : 9 Nov 2006 15:33 Operator:
Sample : 534-31-PERF Inst : 5973N
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 10 11:54 2006 Quant Results File: BDFTPP.RES

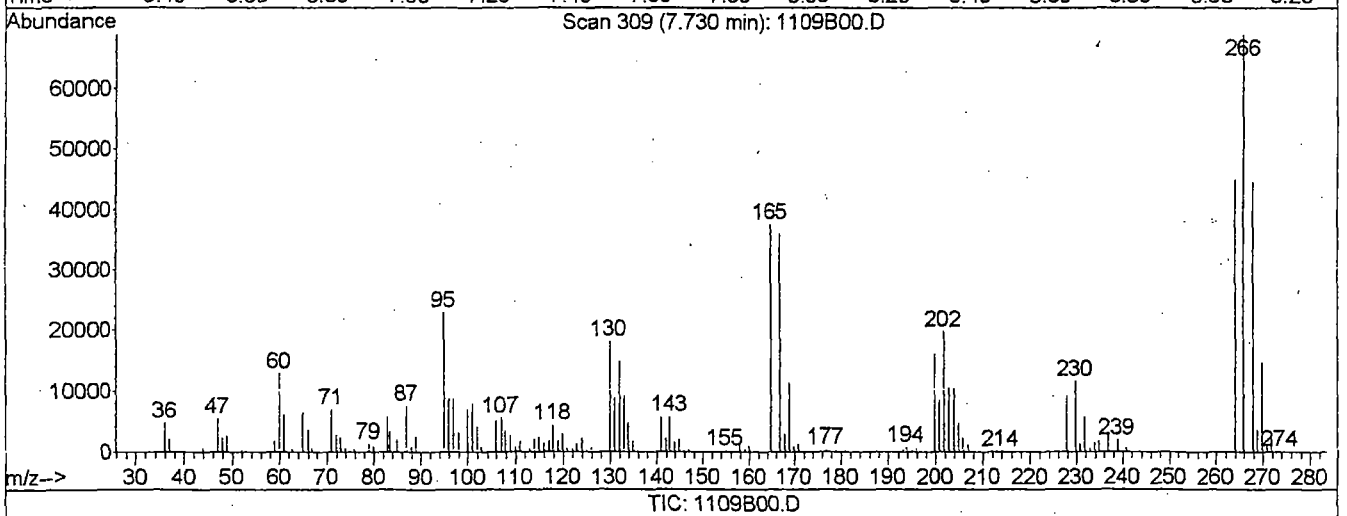
Quant Method : Q:\DATAB\BDFTPP.M (RTE Integrator)
Title : BNA Performance Calibration
Last Update : Thu Oct 26 14:42:15 2006
Response via : Initial Calibration
DataAcq Meth : BDFTPPGC
IS QA File : 50 level for IS QA unknown. No recoveries calculated.

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) Rcv(Ar ) |
|---|---|---|---|---|---|---|
| 1) CI60 Phenanthrene-d10 | 7.93 | 188 | 264020 | 20.00 | ul/l | -0.06 NA% |
| **System Monitoring Compounds** | | | | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) DFTPP | 8.12 | 198 | 71111 | 44.89 | ul/l | 81 |
| 3) Pentachlorophenol | 7.73 | 266 | 61872 | 42.43 | ul/l | 98 |
| 4) Benzidine | 9.26 | 184 | 315935 | 128.07 | ul/l | 99 |
| 5) DDT | 10.09 | 235 | 165089 | 53.36 | ul/l | 100 |
| 6) DDD | 9.78 | 235 | 15903 | 0.32 | ul/l | 100 |
| 7) DDE | 9.44 | 246 | 647 | 0.13 | ul/l | 100 |

Data File : Q:\DATAB\110906\1109B00.D Vial: 1
Acq On : 9 Nov 2006 15:33 Operator:
Sample : 534-31-PERF Inst : 5973N
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 10 11:54 2006 Quant Results File: temp.res

Method : Q:\DATAB\BDFTPP.M (RTE Integrator)
Title : BNA Performance Calibration
Last Update : Thu Oct 26 14:42:15 2006
Response via : Single Level Calibration




TIC: 1109B00.D

(3) Pentachlorophenol (T)

7.73min 42.43ul/l

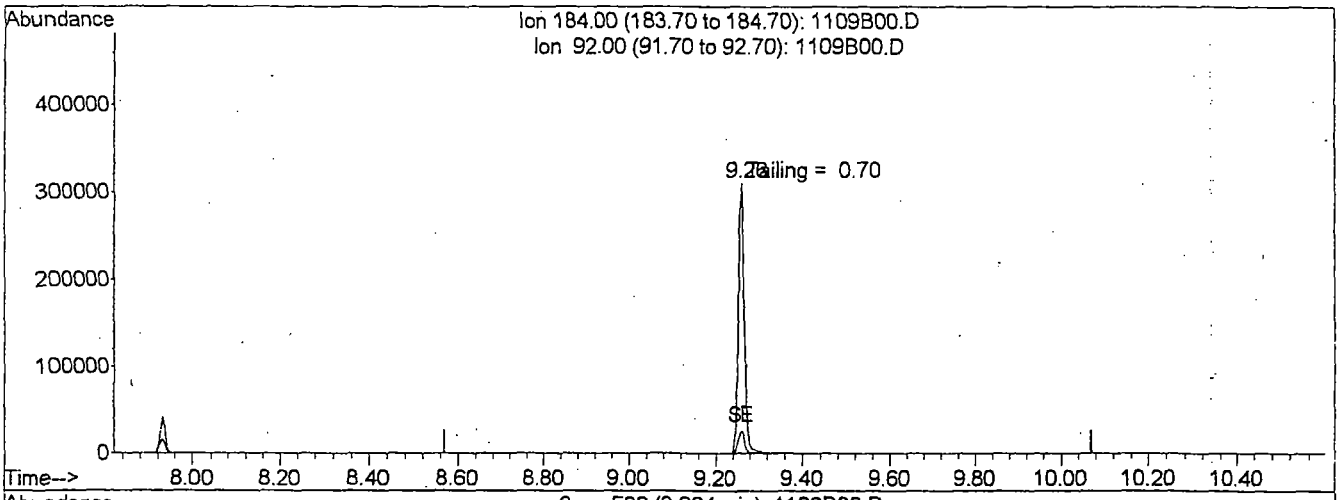
response 61872

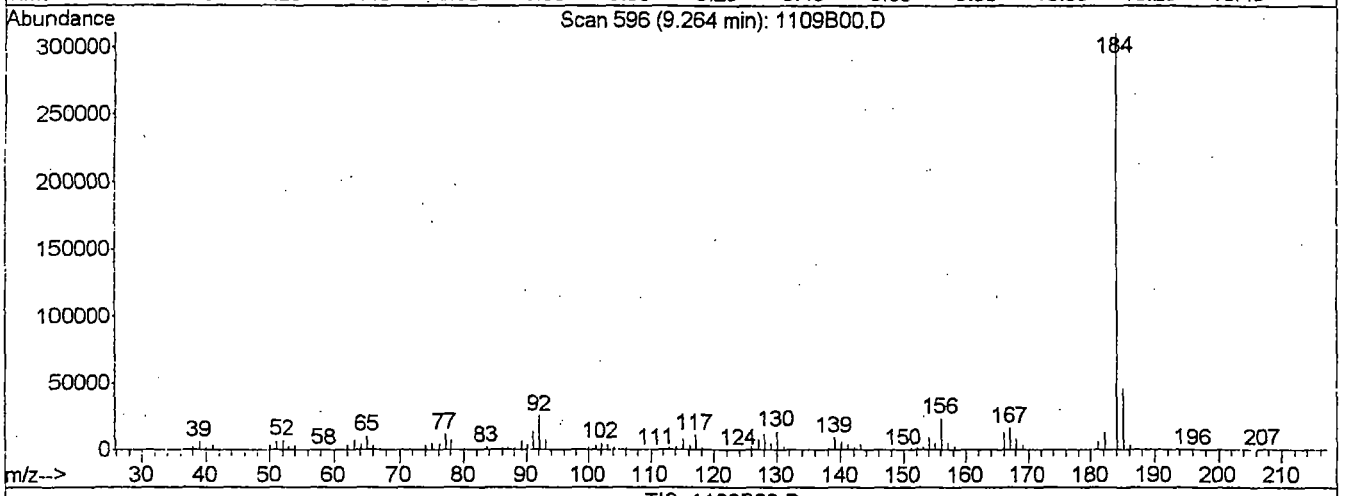
| Ion | Exp% | Act% |
|---|---|---|
| 266.00 | 100 | 100 |
| 266.00 | 100.00 | 100.00 |
| 167.00 | 49.20 | 52.37 |
| 0.00 | 0.00 | 0.00 |

020088

Data File : Q:\DATAB\110906\1109B00.D Vial: 1
Acq On : 9 Nov 2006 15:33 Operator:
Sample : 534-31-PERF Inst : 5973N
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 10 11:54 2006 Quant Results File: temp.res

Method : Q:\DATAB\BDFTPP.M (RTE Integrator)
Title : BNA Performance Calibration
Last Update : Thu Oct 26 14:42:15 2006
Response via : Single Level Calibration




TIC: 1109B00.D

(4) Benzidine (T)

9.26min 128.07ul

response 315935

| Ion | Exp% | Act% |
|---|---|---|
| 184.00 | 100 | 100 |
| 92.00 | 7.90 | 8.10 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

# DDT Breakdown Report

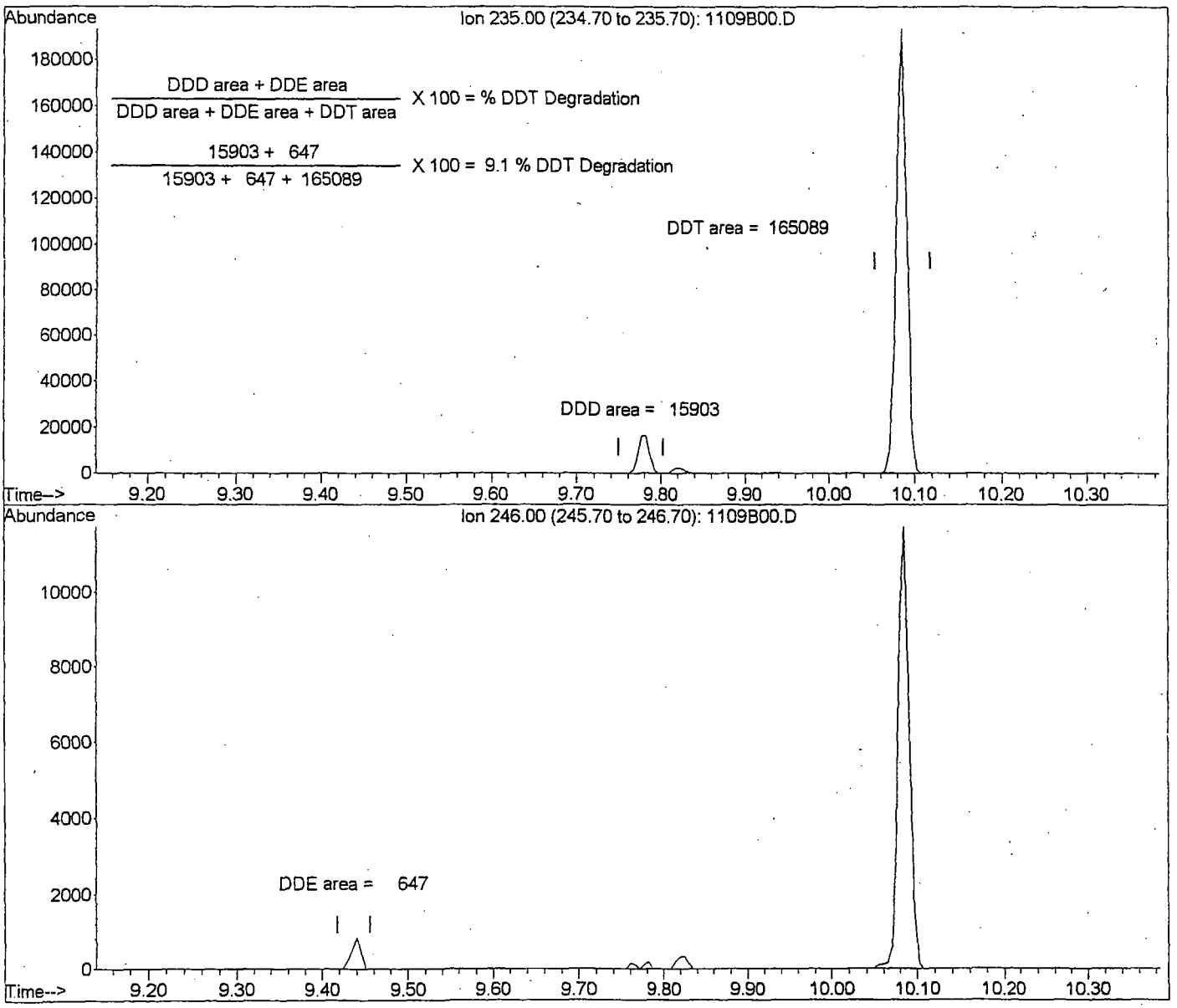
Data File : Q:\DATAB\110906\1109B00.D  Vial: 1
Acq On : 9 Nov 2006 15:33  Operator:
Sample : 534-31-PERF  Inst : 5973N
Misc :  Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Time: Nov 10 11:54 2006  Quant Results File: BDFTPP.RES

Quant Method : Q:\DATAB\BDFTPP.M (RTE Integrator)
Title : BNA Performance Calibration
Last Update : Thu Oct 26 14:42:15 2006
Response via :
DataAcq Meth : BDFTPPGC

---

DDT degradation % 9.1  Maximum 20%

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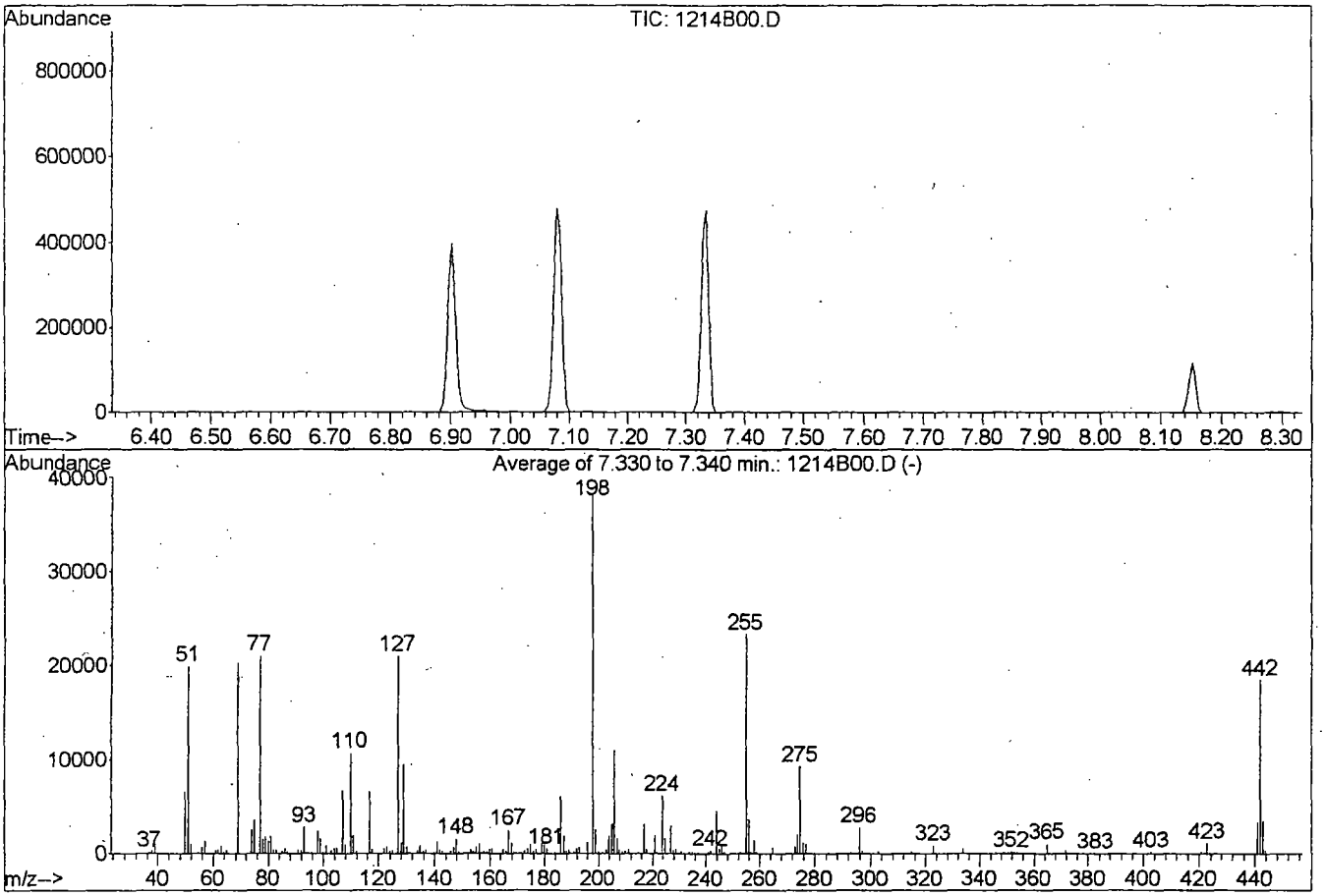
020090

Fri Nov 10 11:54:53 2006

# DFTPP Tune Evaluation

Data File : Q:\DATAB\121406\1214B00.D
Acq On : 14 Dec 2006 9:09
Sample : 534-31-PERF
Misc :
MS Integration Params: RTEINT.P
Method : Q:\DATAB\BDFTPP.M (RTE Integrator)
Title : BNA Performance Calibration

Vial: 1
Operator:
Inst : 5973N
Multiplr: 1.00




Peak Apex is scan: 235 (7.34 min)
Average of 3 scans: 234,235,236 minus background scan 215 (7.23 min)

| Target Mass | Rel. to Mass | Lower Limit,% | Upper Limit,% | Rel. Abn,% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 51 | 198 | 30 | 80 | 52.1 | 19940 | PASS |
| 68 | 69 | 0 | 2 | 0.0 | 0 | PASS |
| 69 | 198 | 0 | 100 | 53.1 | 20315 | PASS |
| 70 | 69 | 0 | 2 | 0.4 | 79 | PASS |
| 127 | 198 | 25 | 75 | 55.1 | 21094 | PASS |
| 197 | 198 | 0 | 1 | 0.0 | 0 | PASS |
| 198 | 198 | 100 | 100 | 100.0 | 38280 | PASS |
| 199 | 198 | 5 | 9 | 6.7 | 2570 | PASS |
| 275 | 198 | 10 | 30 | 24.3 | 9308 | PASS |
| 365 | 198 | 1 | 100 | 2.7 | 1037 | PASS |
| 441 | 443 | 0 | 100 | 96.2 | 3377 | PASS |
| 442 | 198 | 40 | 110 | 48.4 | 18546 | PASS |
| 443 | 442 | 15 | 24 | 18.9 | 3509 | PASS |

Average of 7.330 to 7.340 min.: 1214B00.D
534-31-PERF
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 38.05 | 341 | 69.00 | 20315 | 86.00 | 568 | 107.00 | 6691 |
| 39.00 | 1702 | 74.00 | 2494 | 87.00 | 203 | 108.00 | 979 |
| 50.00 | 6600 | 75.00 | 3495 | 91.00 | 432 | 110.00 | 10744 |
| 51.00 | 19940 | 77.00 | 21065 | 92.05 | 354 | 111.00 | 1853 |
| 52.00 | 1018 | 78.05 | 1476 | 93.00 | 2794 | 112.00 | 264 |
| 56.00 | 702 | 79.00 | 1757 | 98.00 | 2505 | 117.00 | 6586 |
| 57.00 | 1303 | 80.00 | 1283 | 99.00 | 1608 | 117.95 | 461 |
| 61.00 | 320 | 81.00 | 1796 | 101.00 | 865 | 122.00 | 569 |
| 62.00 | 406 | 82.00 | 415 | 102.95 | 317 | 123.00 | 741 |
| 63.00 | 820 | 83.00 | 384 | 104.05 | 577 | 124.00 | 339 |
| 65.00 | 398 | 85.05 | 296 | 105.00 | 590 | 125.05 | 364 |

Average of 7.330 to 7.340 min.: 1214B00.D
534-31-PERF
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 127.00 | 21094 | 146.00 | 267 | 165.00 | 538 | 180.00 | 1141 |
| 128.10 | 1140 | 147.00 | 645 | 166.05 | 278 | 181.05 | 517 |
| 129.00 | 9494 | 148.00 | 1569 | 167.00 | 2488 | 186.05 | 6126 |
| 130.00 | 805 | 148.95 | 288 | 168.00 | 1132 | 187.10 | 1867 |
| 134.00 | 338 | 153.00 | 425 | 169.00 | 195 | 188.10 | 253 |
| 135.00 | 802 | 154.05 | 290 | 173.00 | 284 | 189.00 | 441 |
| 136.00 | 300 | 155.00 | 703 | 174.00 | 529 | 191.10 | 206 |
| 137.00 | 388 | 156.05 | 986 | 175.00 | 919 | 192.00 | 570 |
| 141.00 | 1245 | 157.95 | 229 | 176.10 | 254 | 193.00 | 651 |
| 142.00 | 411 | 160.00 | 415 | 176.95 | 439 | 196.05 | 1195 |
| 142.95 | 243 | 161.00 | 587 | 179.00 | 1700 | 198.00 | 38280 |

Average of 7.330 to 7.340 min.: 1214B00.D
534-31-PERF
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 199.00 | 2570 | 217.00 | 3080 | 237.05 | 203 | 265.00 | 620 |
| 200.00 | 239 | 218.00 | 465 | 241.05 | 191 | 273.05 | 762 |
| 203.00 | 464 | 221.05 | 1867 | 241.95 | 360 | 274.05 | 1994 |
| 204.00 | 1817 | 224.00 | 6098 | 244.05 | 4479 | 275.00 | 9308 |
| 205.10 | 3145 | 225.00 | 1600 | 245.10 | 589 | 276.00 | 1149 |
| 206.05 | 11140 | 227.00 | 2972 | 246.00 | 1029 | 277.00 | 990 |
| 207.10 | 1584 | 227.95 | 424 | 247.00 | 245 | 293.00 | 206 |
| 208.00 | 464 | 228.95 | 565 | 255.00 | 23357 | 296.00 | 2783 |
| 209.00 | 194 | 231.00 | 241 | 256.00 | 3705 | 297.00 | 356 |
| 210.05 | 231 | 234.00 | 230 | 258.00 | 1441 | 303.00 | 308 |
| 211.00 | 460 | 234.95 | 205 | 259.00 | 210 | 314.95 | 257 |

Average of 7.330 to 7.340 min.: 1214B00.D
534-31-PERF
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 323.05 | 876 | | | | | | |
| 333.95 | 516 | | | | | | |
| 354.00 | 220 | | | | | | |
| 364.95 | 1037 | | | | | | |
| 372.00 | 368 | | | | | | |
| 423.05 | 1109 | | | | | | |
| 441.10 | 3377 | | | | | | |
| 442.00 | 18546 | | | | | | |
| 443.00 | 3509 | | | | | | |
| 443.95 | 334 | | | | | | |

Quantitation Report (QT Reviewed)

Data File : Q:\DATAB\121406\1214B00.D Vial: 1
Acq On : 14 Dec 2006 9:09 Operator:
Sample : 534-31-PERF Inst : 5973N
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 14 10:06 2006 Quant Results File: BDFTPP.RES

Quant Method : Q:\DATAB\BDFTPP.M (RTE Integrator)
Title : BNA Performance Calibration
Last Update : Sat Dec 02 15:16:18 2006
Response via : Initial Calibration
DataAcq Meth : BDFTPPGC
IS QA File : 50 level for IS QA unknown. No recoveries calculated.

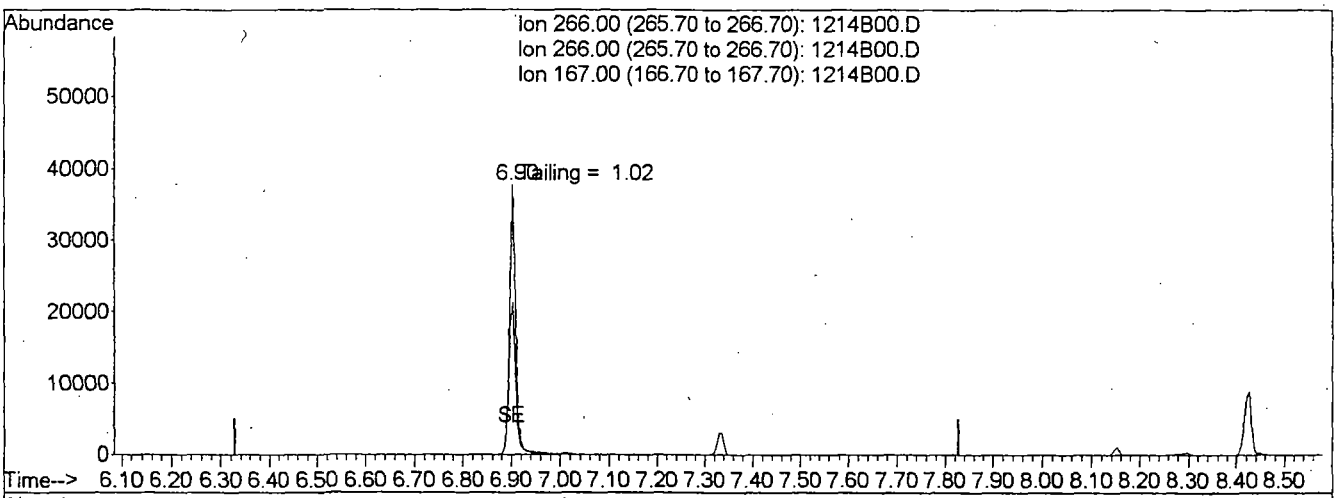
| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) Rcv(Ar ) |
|---|---|---|---|---|---|---|
| 1) CI60 Phenanthrene-d10 | 7.08 | 188 | 156738 | 20.00 | ul/l | -0.18 NA% |
| **System Monitoring Compounds** | | | | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) DFTPP | 7.34 | 198 | 42690 | 45.39 | ul/l | 86 |
| 3) Pentachlorophenol | 6.90 | 266 | 33774 | 39.02 | ul/l | 97 |
| 4) Benzidine | 8.42 | 184 | 156178 | 106.65 | ul/l | 98 |
| 5) DDT | 9.24 | 235 | 132704 | 72.25 | ul/l | 97 |
| 6) DDD | 8.94 | 235 | 3077 | 0.10 | ul/l | 100 |
| 7) DDE | 8.61 | 246 | 405 | 0.14 | ul/l | 100 |

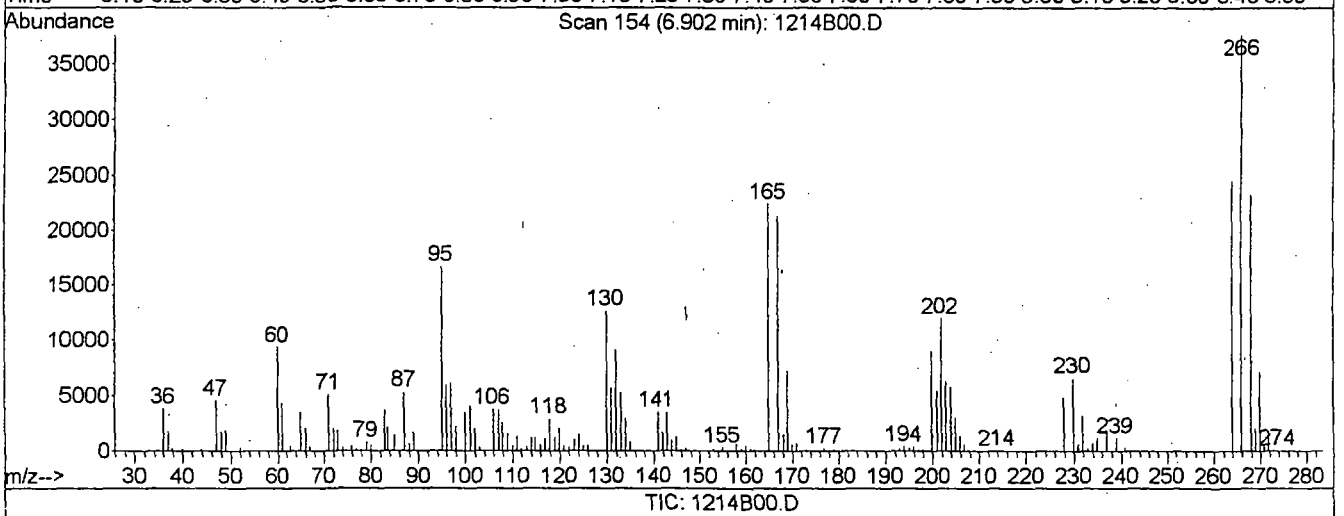
(#) = qualifier out of range (m) = manual integration

Quantitation Report (Qedit)

Data File : Q:\DATAB\121406\1214B00.D Vial: 1
Acq On : 14 Dec 2006 9:09 Operator:
Sample : 534-31-PERF Inst : 5973N
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 14 10:06 2006 Quant Results File: temp.res

Method : Q:\DATAB\BDFTPP.M (RTE Integrator)
Title : BNA Performance Calibration
Last Update : Sat Dec 02 15:16:18 2006
Response via : Single Level Calibration




TIC: 1214B00.D

(3) Pentachlorophenol (T)

6.90min 39.02ul/l

response 33774

| Ion | Exp% | Act% |
|---|---|---|
| 266.00 | 100 | 100 |
| 266.00 | 100.00 | 100.00 |
| 167.00 | 62.40 | 56.54 |
| 0.00 | 0.00 | 0.00 |

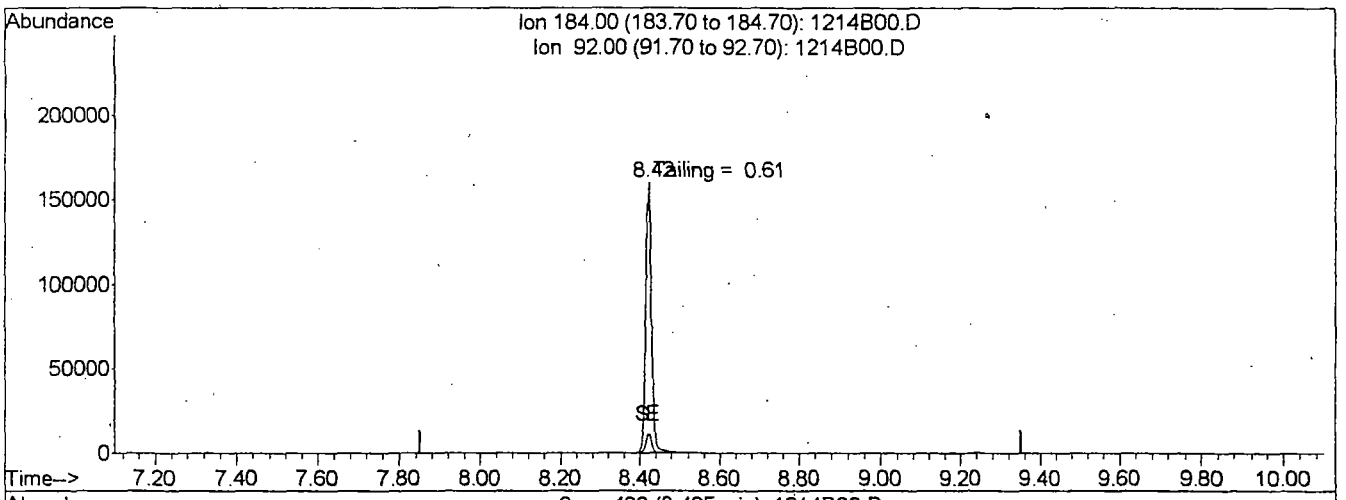
020094

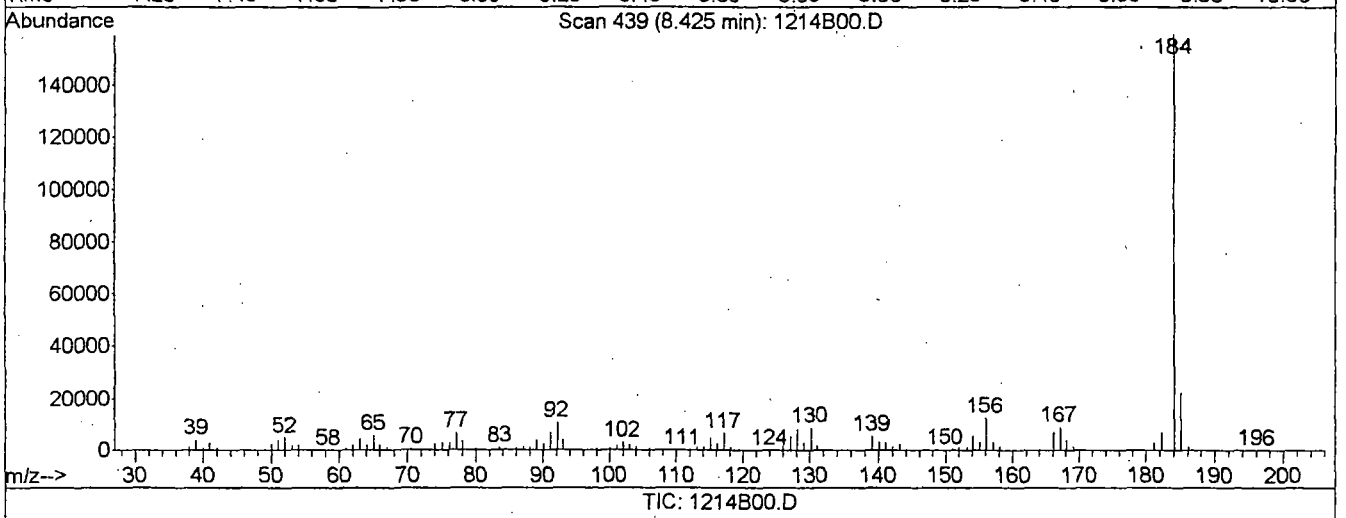
1214B00.D BDFTPP.M Thu Dec 14 10:06:00 2006

Quantitation Report (Qedit)

Data File : Q:\DATAB\121406\1214B00.D Vial: 1
Acq On : 14 Dec 2006 9:09 Operator:
Sample : 534-31-PERF Inst : 5973N
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 14 10:06 2006 Quant Results File: temp.res

Method : Q:\DATAB\BDFTPP.M (RTE Integrator)
Title : BNA Performance Calibration
Last Update : Sat Dec 02 15:16:18 2006
Response via : Single Level Calibration




TIC: 1214B00.D

(4) Benzidine (T)

8.42min 106.65ul/l

response 156178

| Ion | Exp% | Act% |
|---|---|---|
| 184.00 | 100 | 100 |
| 92.00 | 7.40 | 6.77 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

# DDT Breakdown Report

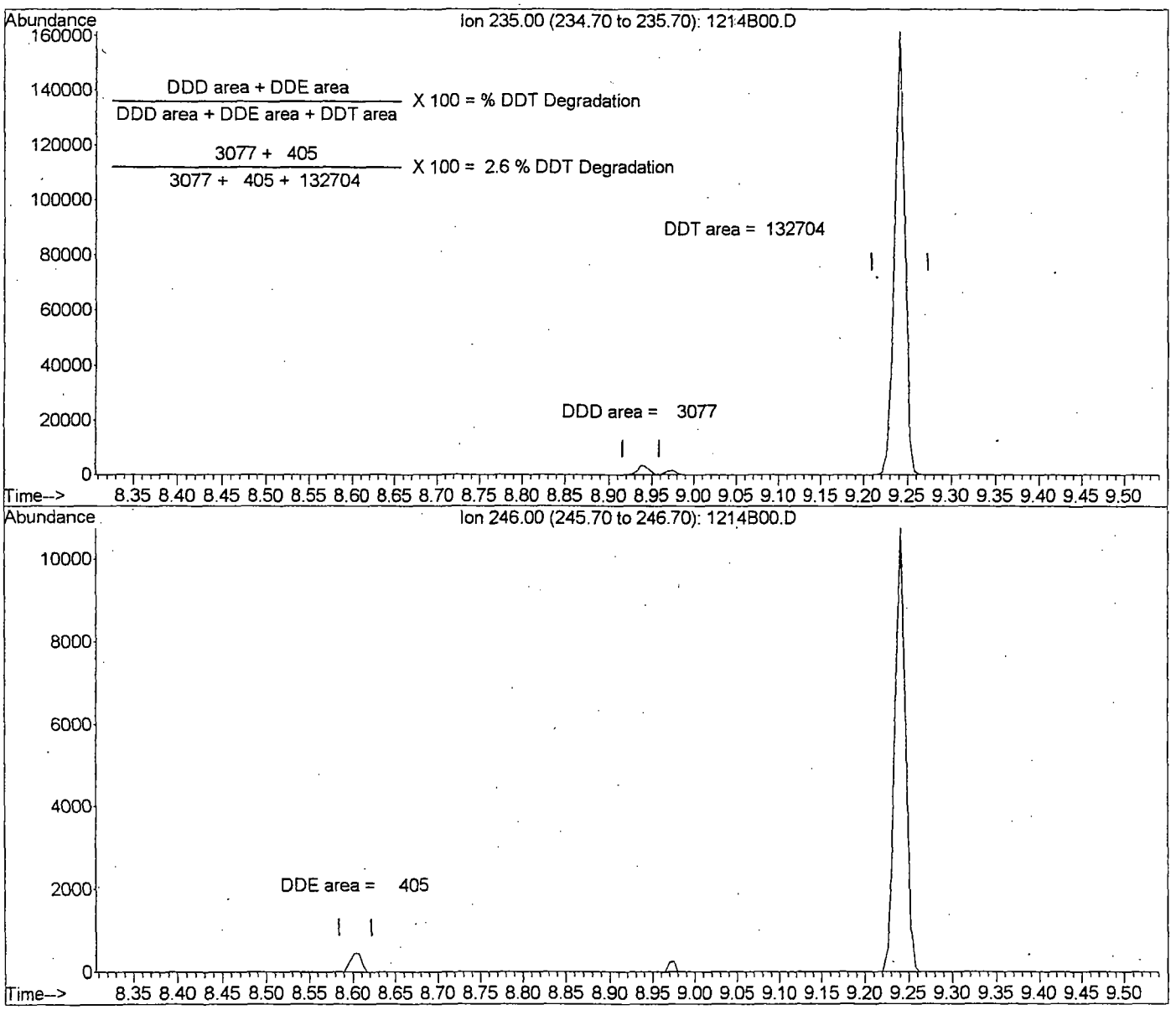
Data File : Q:\DATAB\121406\1214B00.D  Vial: 1
Acq On : 14 Dec 2006 9:09  Operator:
Sample : 534-31-PERF  Inst : 5973N
Misc :  Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Time: Dec 14 10:06 2006  Quant Results File: BDFTPP.RES

Quant Method : Q:\DATAB\BDFTPP.M (RTE Integrator)
Title : BNA Performance Calibration
Last Update : Sat Dec 02 15:16:18 2006
Response via :
DataAcq Meth : BDFTPPGC

---

DDT degradation % 2.6  Maximum 20%




---

Thu Dec 14 10:06:33 2006

Pace Analytical®
New Orleans Laboratory

# Report of Method Blank

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

**Lab ID:** 20489336

**Description:** 8270 SVOAs Dual pH **Project No.:** 2064976

**Method:** EPA 8270 **Batch:** 79793 **Units:** ug/L

**Prep Factor:** 1 **Leached:** **Prepared:** 11-Dec-06 **Analyzed:** 12/14/06 10:44 JAM (1)

| CAS Number | Parameter | Dilution | Result | Qu | Reporting Limit |
|---|---|---|---|---|---|
| 83-32-9 | Acenaphthene | 1 | ND | | 10.0 |
| 208-96-8 | Acenaphthylene | 1 | ND | | 10.0 |
| 98-86-2 | Acetophenone | 1 | ND | | 10.0 |
| 62-53-3 | Aniline | 1 | ND | | 10.0 |
| 120-12-7 | Anthracene | 1 | ND | | 10.0 |
| 1912-24-9 | Atrazine | 1 | ND | | 10.0 |
| 100-52-7 | Benzaldehyde | 1 | ND | | 10.0 |
| 92-87-5 | Benzidine | 1 | ND | | 30.0 |
| 56-55-3 | Benzo(a)anthracene | 1 | ND | | 10.0 |
| 205-99-2 | Benzo(b)fluoranthene | 1 | ND | | 10.0 |
| 207-08-9 | Benzo(k)fluoranthene | 1 | ND | | 10.0 |
| 65-85-0 | Benzoic acid | 1 | ND | | 25.0 |
| 191-24-2 | Benzo(g,h,i)perylene | 1 | ND | | 10.0 |
| 50-32-8 | Benzo(a)pyrene | 1 | ND | | 10.0 |
| 100-51-6 | Benzyl alcohol | 1 | ND | | 10.0 |
| 92-52-4 | Biphenyl (Diphenyl) | 1 | ND | | 10.0 |
| 101-55-3 | 4-Bromophenylphenyl ether | 1 | ND | | 10.0 |
| 85-68-7 | Butylbenzylphthalate | 1 | ND | | 10.0 |
| 105-60-2 | Caprolactam | 1 | ND | | 10.0 |
| 86-74-8 | Carbazole | 1 | ND | | 10.0 |
| 59-50-7 | 4-Chloro-3-methylphenol | 1 | ND | | 10.0 |
| 106-47-8 | 4-Chloroaniline | 1 | ND | | 10.0 |
| 111-91-1 | bis(2-Chloroethoxy)methane | 1 | ND | | 10.0 |
| 111-44-4 | bis(2-Chloroethyl) ether | 1 | ND | | 10.0 |
| 91-58-7 | 2-Chloronaphthalene | 1 | ND | | 10.0 |
| 95-57-8 | 2-Chlorophenol | 1 | ND | | 10.0 |
| 7005-72-3 | 4-Chlorophenylphenyl ether | 1 | ND | | 10.0 |
| 218-01-9 | Chrysene | 1 | ND | | 10.0 |
| 53-70-3 | Dibenz(a,h)anthracene | 1 | ND | | 10.0 |
| 132-64-9 | Dibenzofuran | 1 | ND | | 10.0 |
| 95-50-1 | 1,2-Dichlorobenzene | 1 | ND | | 10.0 |
| 541-73-1 | 1,3-Dichlorobenzene | 1 | ND | | 10.0 |
| 106-46-7 | 1,4-Dichlorobenzene | 1 | ND | | 10.0 |
| 91-94-1 | 3,3'-Dichlorobenzidine | 1 | ND | | 20.0 |
| 120-83-2 | 2,4-Dichlorophenol | 1 | ND | | 10.0 |
| 84-66-2 | Diethylphthalate | 1 | ND | | 10.0 |

ND denotes Not Detected at or above the reporting limit.
DF denotes Dilution Factor.
RL denotes sample Reporting Limit.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

1/5/2007 10:15:10

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Pace Analytical®
New Orleans Laboratory

# Report of Method Blank

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

**Lab ID:** 20489336

**Description:** 8270 SVOAs Dual pH **Project No.:** 2064976

**Method:** EPA 8270 **Batch:** 79793 **Units:** ug/L

**Prep Factor:** 1 **Leached:** **Prepared:** 11-Dec-06 **Analyzed:** 12/14/06 10:44 JAM (1)

| CAS Number | Parameter | Dilution | Result | Qu | Reporting Limit |
|---|---|---|---|---|---|
| 105-67-9 | 2,4-Dimethylphenol | 1 | ND | | 10.0 |
| 131-11-3 | Dimethylphthalate | 1 | ND | | 10.0 |
| 84-74-2 | Di-n-butylphthalate | 1 | ND | | 10.0 |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1 | ND | | 10.0 |
| 99-65-0 | 1,3-Dinitrobenzene | 1 | ND | | 10.0 |
| 51-28-5 | 2,4-Dinitrophenol | 1 | ND | | 10.0 |
| 121-14-2 | 2,4-Dinitrotoluene | 1 | ND | | 10.0 |
| 606-20-2 | 2,6-Dinitrotoluene | 1 | ND | | 10.0 |
| 117-84-0 | Di-n-octylphthalate | 1 | ND | | 10.0 |
| 88-85-7 | Dinoseb | 1 | ND | | 10.0 |
| 122-66-7 | 1,2-Diphenylhydrazine | 1 | ND | | 10.0 |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 1 | ND | | 10.0 |
| 206-44-0 | Fluoranthene | 1 | ND | | 10.0 |
| 86-73-7 | Fluorene | 1 | ND | | 10.0 |
| 87-68-3 | Hexachloro-1,3-butadiene | 1 | ND | | 10.0 |
| 118-74-1 | Hexachlorobenzene | 1 | ND | | 10.0 |
| 77-47-4 | Hexachlorocyclopentadiene | 1 | ND | | 10.0 |
| 67-72-1 | Hexachloroethane | 1 | ND | | 10.0 |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 1 | ND | | 10.0 |
| 78-59-1 | Isophorone | 1 | ND | | 10.0 |
| 91-57-6 | 2-Methylnaphthalene | 1 | ND | | 10.0 |
| 95-48-7 | 2-Methylphenol (o-Cresol) | 1 | ND | | 10.0 |
| 88-74-4 | 2-Nitroaniline | 1 | ND | | 10.0 |
| 99-09-2 | 3-Nitroaniline | 1 | ND | | 10.0 |
| 100-01-6 | 4-Nitroaniline | 1 | ND | | 10.0 |
| 98-95-3 | Nitrobenzene | 1 | ND | | 10.0 |
| 88-75-5 | 2-Nitrophenol | 1 | ND | | 10.0 |
| 100-02-7 | 4-Nitrophenol | 1 | ND | | 10.0 |
| 62-75-9 | N-Nitrosodimethylamine | 1 | ND | | 10.0 |
| 621-64-7 | N-Nitroso-di-n-propylamine | 1 | ND | | 10.0 |
| 86-30-6 | N-Nitrosodiphenylamine | 1 | ND | A10 | 10.0 |
| 108-60-1 | 2,2'-Oxybis(1-chloropropane) | 1 | ND | | 10.0 |
| 87-86-5 | Pentachlorophenol | 1 | ND | | 10.0 |
| 85-01-8 | Phenanthrene | 1 | ND | | 10.0 |
| 108-95-2 | Phenol | 1 | ND | | 10.0 |
| 129-00-0 | Pyrene | 1 | ND | | 10.0 |

1/5/2007 10:15:10

ND denotes Not Detected at or above the reporting limit.
DF denotes Dilution Factor.
RL denotes sample Reporting Limit.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

*New Orleans Laboratory Certifications*
*Louisiana Dept. of Environmental Quality (LELAP) - 02006*
*Arkansas Dept. of Environmental Quality - 88-0681*
*Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023*
*Florida Dept. of Health (NELAC) - E87595*
*Kansas Dept. of Health Environment - E-10266*
*U.S. Dept. of Agriculture Foreign Soil Permit - S-47270*

# Report of Method Blank

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

**Lab ID:** 20489336

**Description:** 8270 SVOAs Dual pH **Project No.:** 2064976

**Method:** EPA 8270 **Batch:** 79793 **Units:** ug/L

**Prep Factor:** 1 **Leached:** **Prepared:** 11-Dec-06 **Analyzed:** 12/14/06 10:44 JAM (1)

| CAS Number | Parameter | Dilution | Result | Qu | Reporting Limit |
|---|---|---|---|---|---|
| 110-86-1 | Pyridine | 1 | ND | | 10.0 |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 1 | ND | | 10.0 |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 1 | ND | | 10.0 |
| 95-95-4 | 2,4,5-Trichlorophenol | 1 | ND | | 10.0 |
| 88-06-2 | 2,4,6-Trichlorophenol | 1 | ND | | 10.0 |

77 compound(s) reported

ND denotes Not Detected at or above the reporting limit.
DF denotes Dilution Factor.
RL denotes sample Reporting Limit.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

1/5/2007 10:15:10

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

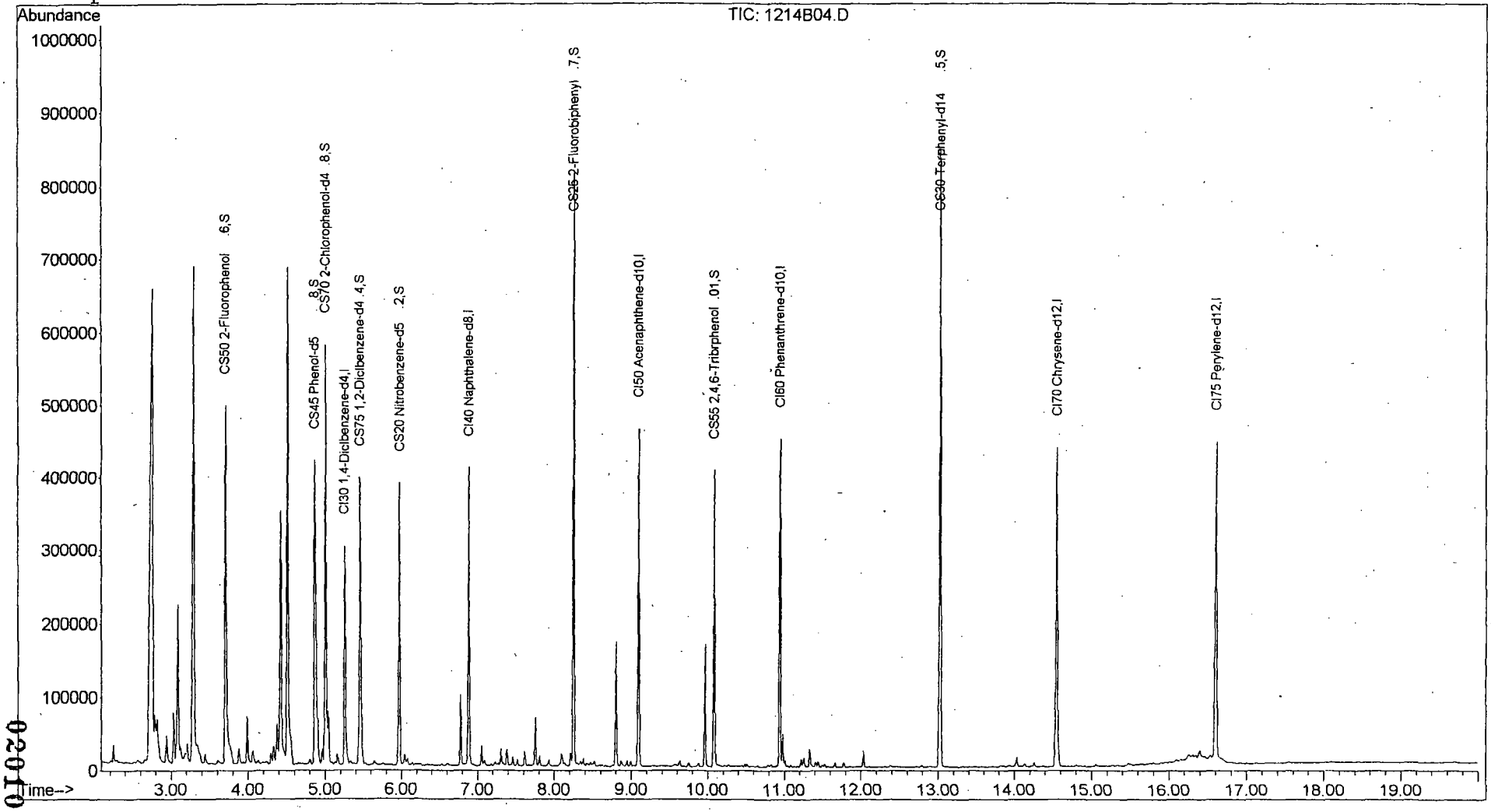
Quantitation Report

Data File : Q:\DATAB\121406\1214B04.D
Acq On : 14 Dec 2006 10:44
Sample : 20489336\B1
Misc : 79793 1:1 WATER/1
MS Integration Params: RTEINT.P
Quant Time: Dec 14 11:10 2006

Vial: 5
Operator:
Inst : 5973N
Multiplr: 1.00

Quant Results File: B103006.RES

Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Thu Dec 14 10:09:37 2006
Response via : Initial Calibration




020100

Data File : Q:\DATAB\121406\1214B04.D Vial: 5
Acq On : 14 Dec 2006 10:44 Operator:
Sample : 20489336\B1 Inst : 5973N
Misc : 79793 1:1 WATER/1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 14 11:10 2006 Quant Results File: B103006.RES

Quant Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Thu Dec 14 10:09:37 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC
IS QA File : Q:\DATAB\121406\1214B01.D (14 Dec 2006 9:26)

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) Rcv(Ar ) |
|---|---|---|---|---|---|---|
| 1) CI30 1,4-Diclbenzene-d4 | 5.25 | 152 | 50826 | 20.00 | ppb | -0.02 111.66% |
| 23) CI40 Naphthalene-d8 | 6.88 | 136 | 197375 | 20.00 | ppb | -0.02 142.37% |
| 39) CI50 Acenaphthene-d10 | 9.09 | 164 | 106413 | 20.00 | ppb | -0.02 165.74% |
| 60) CI60 Phenanthrene-d10 | 10.94 | 188 | 162604 | 20.00 | ppb | -0.02 188.91% |
| 74) CI70 Chrysene-d12 | 14.55 | 240 | 179164 | 20.00 | ppb | -0.03 129.10% |
| 82) CI75 Perylene-d12 | 16.61 | 264 | 186747 | 20.00 | ppb | -0.03 147.61% |

| System Monitoring Compounds | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4) CS50 2-Fluorophenol | .6 | 3.70 | 112 | 158711 | 53.11 | ppb | -0.06 |
| Spiked Amount 75.000 | Range 30 - 105 | | | Recovery = 70.81% | | | |
| 6) CS70 2-Chlorophenol-d4 | .8 | 5.00 | 132 | 167105 | 58.31 | ppb | -0.02 |
| Spiked Amount 75.000 | Range 33 - 110 | | | Recovery = 77.75% | | | |
| 9) CS45 Phenol-d5 | .8 | 4.86 | 99 | 198446 | 54.59 | ppb | -0.02 |
| Spiked Amount 75.000 | Range 30 - 107 | | | Recovery = 72.79% | | | |
| 14) CS75 1,2-Diclbenzene-d4 | .4 | 5.46 | 152 | 67946 | 40.52 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 16 - 110 | | | Recovery = 81.04% | | | |
| 24) CS20 Nitrobenzene-d5 | .2 | 5.97 | 82 | 143566 | 40.15 | ppb | -0.04 |
| Spiked Amount 50.000 | Range 30 - 115 | | | Recovery = 80.30% | | | |
| 43) CS25 2-Fluorobiphenyl | .7 | 8.25 | 172 | 245737 | 41.92 | ppb | -0.03 |
| Spiked Amount 50.000 | Range 30 - 114 | | | Recovery = 83.84% | | | |
| 64) CS55 2,4,6-Tribrphenol | .0 | 10.09 | 330 | 32770 | 68.58 | ppb | -0.03 |
| Spiked Amount 75.000 | Range 30 - 130 | | | Recovery = 91.44% | | | |
| 76) CS30 Terphenyl-d14 | .5 | 13.02 | 244 | 306063 | 53.28 | ppb | -0.02 |
| Spiked Amount 50.000 | Range 30 - 114 | | | Recovery = 106.56% | | | |

Target Compounds Qvalue

020101

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

Data File : Q:\DATAB\121406\1214B04.D Vial: 5
Acq On : 14 Dec 2006 10:44 Operator:
Sample : 20489336\B1 Inst : 5973N
Misc : 79793 1:1 WATER/1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 14 13:05 2006 Quant Results File: BBASIC.RES

Quant Method : Q:\DATAB\BBASIC.M (RTE Integrator)
Title : Custom Basic Standard
Last Update : Thu Dec 14 10:49:46 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC
IS QA File : Q:\DATAB\121406\1214B03.D (14 Dec 2006 10:18)

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) Rcv(Ar ) |
|---|---|---|---|---|---|---|
| 1) CI30 1,4-Dichlorobenzene-d | 5.25 | 152 | 50826 | 20.00 | ppb | -0.05 119.19% |
| 4) CI40 Naphthalene-d8 | 6.88 | 136 | 197375 | 20.00 | ppb | -0.05 119.52% |
| 5) CI50 Acenaphthene-d10 | 9.09 | 164 | 106413 | 20.00 | ppb | -0.05 119.69% |
| 10) CI60 Phenanthrene-d10 | 10.94 | 188 | 162604 | 20.00 | ppb | -0.05 123.86% |
| 12) CI70 Chrysene-d12 | 14.55 | 240 | 179164 | 20.00 | ppb | -0.06 132.23% |
| 13) CI75 Perylene-d12 | 16.61 | 264 | 186747 | 20.00 | ppb | -0.06 109.59% |

System Monitoring Compounds

Target Compounds Qvalue

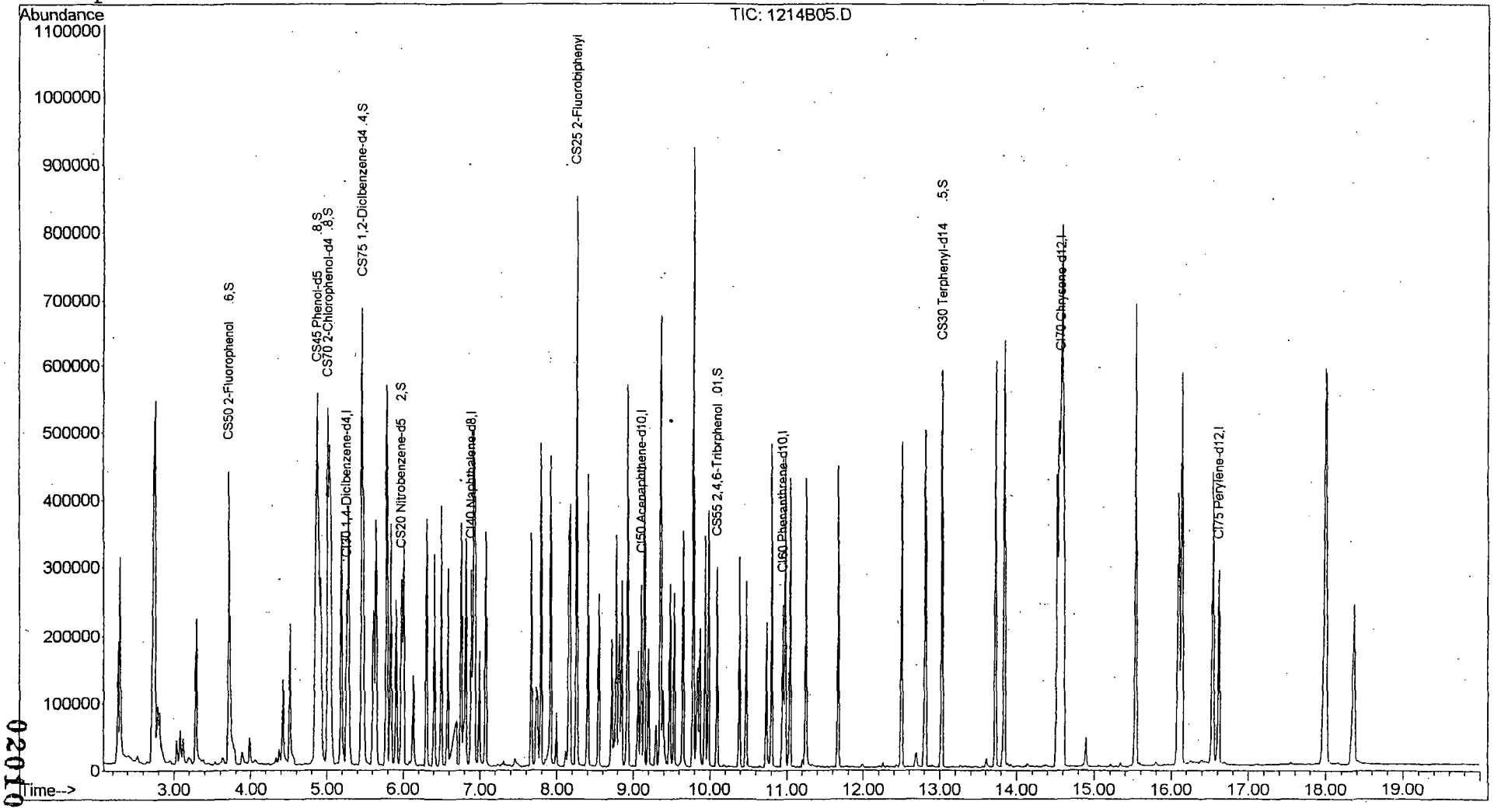
020102

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

Quantitation Report

Data File : Q:\DATAB\121406\1214B05.D  Vial: 6
Acq On : 14 Dec 2006 11:12  Operator:
Sample : 20489337\S1  Inst : 5973N
Misc : 79793 1:1 WATER/1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 14 14:22 2006  Quant Results File: B103006.RES

Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Thu Dec 14 10:09:37 2006
Response via : Initial Calibration




020103

Data File : Q:\DATAB\121406\1214B05.D Vial: 6
Acq On : 14 Dec 2006 11:12 Operator:
Sample : 20489337\S1 Inst : 5973N
Misc : 79793 1:1 WATER/1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 14 14:22 2006 Quant Results File: B103006.RES

Quant Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Thu Dec 14 10:09:37 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC
IS QA File : Q:\DATAB\121406\1214B01.D (14 Dec 2006 9:26)

| Internal Standards | | R.T. | QIon | Response | Conc | Units | Dev(Min) Rcv(Ar ) |
|---|---|---|---|---|---|---|---|
| 1) CI30 1,4-Diclbenzene-d4 | | 5.26 | 152 | 45210 | 20.00 | ppb | -0.01 99.32% |
| 23) CI40 Naphthalene-d8 | | 6.89 | 136 | 137674 | 20.00 | ppb | -0.01 99.30% |
| 39) CI50 Acenaphthene-d10 | | 9.10 | 164 | 62281 | 20.00 | ppb | 0.00 97.00% |
| 60) CI60 Phenanthrene-d10 | | 10.95 | 188 | 88229 | 20.00 | ppb | -0.01 102.50% |
| 74) CI70 Chrysene-d12 | | 14.56 | 240 | 149623 | 20.00 | ppb | -0.02 107.81% |
| 82) CI75 Perylene-d12 | | 16.62 | 264 | 114373 | 20.00 | ppb | -0.02 90.40% |
| **System Monitoring Compounds** | | | | | | | |
| 4) CS50 2-Fluorophenol | .6 | 3.71 | 112 | 157571 | 59.28 | ppb | -0.05 |
| Spiked Amount 75.000 | Range 30 - 105 | | | Recovery = 79.04% | | | |
| 6) CS70 2-Chlorophenol-d4 | .8 | 5.01 | 132 | 158450 | 62.16 | ppb | -0.02 |
| Spiked Amount 75.000 | Range 33 - 110 | | | Recovery = 82.88% | | | |
| 9) CS45 Phenol-d5 | .8 | 4.87 | 99 | 193141 | 59.73 | ppb | -0.01 |
| Spiked Amount 75.000 | Range 30 - 107 | | | Recovery = 79.64% | | | |
| 14) CS75 1,2-Diclbenzene-d4 | .4 | 5.46 | 152 | 60558 | 40.60 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 16 - 110 | | | Recovery = 81.20% | | | |
| 24) CS20 Nitrobenzene-d5 | .2 | 5.97 | 82 | 120364 | 48.26 | ppb | -0.03 |
| Spiked Amount 50.000 | Range 30 - 115 | | | Recovery = 96.52% | | | |
| 43) CS25 2-Fluorobiphenyl | .7 | 8.26 | 172 | 171989 | 50.12 | ppb | -0.02 |
| Spiked Amount 50.000 | Range 30 - 114 | | | Recovery = 100.24% | | | |
| 64) CS55 2,4,6-Tribrphenol | .0 | 10.09 | 330 | 18749 | 72.31 | ppb | -0.03 |
| Spiked Amount 75.000 | Range 30 - 130 | | | Recovery = 96.41% | | | |
| 76) CS30 Terphenyl-d14 | .5 | 13.03 | 244 | 194935 | 40.64 | ppb | -0.02 |
| Spiked Amount 50.000 | Range 30 - 114 | | | Recovery = 81.28% | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) C319 Pyridine | | 2.30 | 79 | 112550 | 47.32 | ppb | 96 |
| 3) C310 N-Nitrosodimeamine | | 2.28 | 74 | 68197 | 47.57 | ppb | 99 |
| 7) C320 Aniline | | 4.85 | 93 | 220888 | 58.06 | ppb | 98 |
| 8) C325 bis(2-Cleth)ether | .7 | 4.92 | 93 | 105772 | 41.54 | ppb | 92 |
| 10) C315 Phenol | .8 | 4.88 | 94 | 137482 | 34.96 | ppb | 90 |
| 11) C330 2-Chlorophenol | .8 | 5.03 | 128 | 102267 | 33.42 | ppb | 85 |
| 12) C335 13-Dichlorobenzene | .6 | 5.19 | 146 | 88011 | 29.75 | ppb | 98 |

(#) = qualifier out of range (m) = manual integration **020104**

Data File : Q:\DATAB\121406\1214B05.D Vial: 6
Acq On : 14 Dec 2006 11:12 Operator:
Sample : 20489337\S1 Inst : 5973N
Misc : 79793 1:1 WATER/1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 14 14:22 2006 Quant Results File: B103006.RES

Quant Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Thu Dec 14 10:09:37 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC

| | Compound | | R.T. | QIon | Response | Conc | Unit | | Qvalue |
|---|---|---|---|---|---|---|---|---|---|
| 13) | C340 14-Dichlorobenzene | .5 | 5.28 | 146 | 89377 | 31.32 | ppb | | 98 |
| 15) | C350 12-Dichlorobenzene | .4 | 5.48 | 146 | 84068 | 32.81 | ppb | | 98 |
| 16) | C345 Benzyl alcohol | | 5.46 | 108 | 63465 | 43.73 | ppb | | 97 |
| 17) | C357 bis(2-Clipr) ether | .0 | 5.61 | 45 | 106661 | 39.62 | ppb | | 94 |
| 18) | C355 2-Methylphenol | .7 | 5.64 | 108 | 74509 | 31.71 | ppb | | 98 |
| 19) | A356 Acetophenone | .0 | 5.78 | 105 | 122794 | 45.96 | ppb | | 92 |
| 20) | C375 Hexachloroethane | .3 | 5.90 | 117 | 35275 | 33.59 | ppb | | 88 |
| 21) | C370 N-Nitrosodinpramin | .5 | 5.79 | 70 | 70465 | 42.03 | ppb | | 92 |
| 22) | C365 3Mphenol/4Mphenol | .6 | 5.84 | 108 | 74975 | 31.04 | ppb | | 100 |
| 25) | C410 Nitrobenzene | .2 | 6.00 | 77 | 109818 | 44.12 | ppb | | 94 |
| 26) | C415 Isophorone | .4 | 6.31 | 82 | 170468 | 41.14 | ppb | | 99 |
| 27) | C420 2-Nitrophenol | .1 | 6.41 | 139 | 42544 | 31.25 | ppb | | 88 |
| 28) | C425 2,4-Dimethylphenol | .2 | 6.50 | 107 | 77808 | 31.11 | ppb | | 94 |
| 29) | C435 bis(2-Clethox)meth | .3 | 6.58 | 93 | 94319 | 38.72 | ppb | | 99 |
| 30) | C440 2,4-Dichlorophenol | .2 | 6.75 | 162 | 65709 | 31.27 | ppb | | 94 |
| 31) | C430 Benzoic acid | | 6.70 | 122 | 33180 | 43.68 | ppb | | 94 |
| 32) | C445 1,2,4-Triclbenzene | .2 | 6.82 | 180 | 60591 | 31.18 | ppb | | 99 |
| 33) | C450 Naphthalene | .7 | 6.91 | 128 | 210561 | 34.31 | ppb | | 99 |
| 34) | C455 4-Chloroaniline | .0 | 6.99 | 127 | 44692 | 20.97 | ppb | | 99 |
| 35) | C460 Hexachlorobutadien | .0 | 7.07 | 225 | 39567 | 31.97 | ppb | | 98 |
| 37) | C465 4-Cl-3-mephenol | .2 | 7.67 | 107 | 67244 | 33.96 | ppb | | 97 |
| 38) | C470 2Methylnaphthalene | .4 | 7.79 | 142 | 134339 | 35.43 | ppb | | 99 |
| 40) | C510 Hexaclcypentadiene | .0 | 7.99 | 237 | 10225 | 9.04 | ppb | | 98 |
| 41) | C515 2,4,6-Triclphenol | .2 | 8.17 | 196 | 43434 | 33.16 | ppb | | 99 |
| 42) | C520 2,4,5-Triclphenol | .2 | 8.26 | 196 | 50221 | 36.78 | ppb | | 97 |
| 45) | C525 2Chloronaphthalene | .8 | 8.40 | 162 | 114893 | 37.94 | ppb | | 98 |
| 46) | C530 2-Nitroaniline | .0 | 8.55 | 65 | 47214 | 46.15 | ppb | | 93 |
| 47) | C540 Acenaphthylene | 1. | 8.93 | 152 | 189641 | 37.61 | ppb | | 99 |
| 48) | C535 Dimethylphthalate | .0 | 8.78 | 163 | 138672 | 38.98 | ppb | | 100 |
| 49) | C543 2,6-Dinitrotoluene | .2 | 8.85 | 165 | 28936 | 37.72 | ppb | | 83 |
| 50) | C550 Acenaphthene | .9 | 9.15 | 153 | 117550 | 38.28 | ppb | | 97 |
| 51) | C545 3-Nitroaniline | .0 | 9.07 | 138 | 22124 | 27.59 | ppb | | 93 |
| 52) | C555 2,4-Dinitrophenol | .0 | 9.20 | 184 | 18623 | 33.56 | ppb | | 100 |
| 53) | C565 Dibenzofuran | .8 | 9.36 | 168 | 170454 | 42.23 | ppb | | 93 |
| 54) | C570 2,4-Dinitrotoluene | .2 | 9.36 | 165 | 45060 | 45.59 | ppb | # | 68 |
| 55) | C560 4-Nitrophenol | .0 | 9.39 | 109 | 24729 | 36.75 | ppb | | 100 |
| 56) | C590 Fluorene | .9 | 9.78 | 166 | 148387 | 43.33 | ppb | | 100 |
| 57) | C585 4-Clphenphen ether | .4 | 9.78 | 204 | 73512 | 42.23 | ppb | | 96 |
| 58) | C580 Diethylphthalate | .0 | 9.65 | 149 | 130066 | 39.11 | ppb | | 99 |
| 59) | C595 4-Nitroaniline | .0 | 9.84 | 138 | 22739 | 30.07 | ppb | | 88 |
| 61) | D200 12Diphenylhydrazin | | 9.98 | 77 | 146968 | 45.83 | ppb | | 93 |

020105

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

Data File : Q:\DATAB\121406\1214B05.D Vial: 6
Acq On : 14 Dec 2006 11:12 Operator:
Sample : 20489337\S1 Inst : 5973N
Misc : 79793 1:1 WATER/1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 14 14:22 2006 Quant Results File: B103006.RES

Quant Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Thu Dec 14 10:09:37 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC

| | Compound | | R.T. | QIon | Response | Conc | Unit | Qvalue |
|---|---|---|---|---|---|---|---|---|
| 62) | C610 4,6-Din-2-mephenol | .0 | 9.87 | 198 | 23374 | 34.95 | ppb | 100 |
| 63) | C615 N-Nitrosodiphamine | .0 | 9.94 | 169 | 79693 | 36.60 | ppb | 99 |
| 65) | C625 4-Brphenphen ether | .1 | 10.39 | 248 | 28740 | 38.12 | ppb | 93 |
| 67) | C630 Hexachlorobenzene | .1 | 10.48 | 284 | 30357 | 42.06 | ppb | 93 |
| 68) | C635 Pentachlorophenol | .0 | 10.73 | 266 | 18256 | 30.55 | ppb | 96 |
| 69) | C647 Carbazole | .0 | 11.25 | 167 | 156356 | 43.52 | ppb | 99 |
| 70) | C640 Phenanthrene | .7 | 10.98 | 178 | 173526 | 39.00 | ppb | 99 |
| 71) | C645 Anthracene | .7 | 11.04 | 178 | 170864 | 38.72 | ppb | 100 |
| 72) | C650 Di-n-butylphthalat | .0 | 11.67 | 149 | 228767 | 43.05 | ppb | 99 |
| 73) | C655 Fluoranthene | .6 | 12.51 | 202 | 247725 | 40.09 | ppb | 100 |
| 75) | C715 Pyrene | .6 | 12.82 | 202 | 255988 | 30.15 | ppb | 99 |
| 77) | C720 Butylbenzylphthal | .0 | 13.73 | 149 | 150558 | 32.96 | ppb | 93 |
| 78) | C725 3,3'-Diclbenzidine | .0 | 14.52 | 252 | 70307 | 22.41 | ppb | 96 |
| 79) | C730 Benzo(a)anthracene | .8 | 14.55 | 228 | 301081 | 33.73 | ppb | 99 |
| 80) | C735 Chrysene | .7 | 14.61 | 228 | 258254 | 33.79 | ppb | 99 |
| 81) | C740 bis(2-Ethex)phthal | .0 | 14.59 | 149 | 232233 | 34.81 | ppb | 97 |
| 83) | C760 Di-n-octylphthalat | .0 | 15.54 | 149 | 388271 | 43.27 | ppb | 99 |
| 84) | C765 Bzo(b)fluoranthene | .7 | 16.10 | 252 | 283761 | 35.68 | ppb | 100 |
| 85) | C770 Bzo(k)fluoranthene | .7 | 16.15 | 252 | 279986 | 41.34 | ppb | 99 |
| 86) | C775 Benzo(a)pyrene | .7 | 16.55 | 252 | 237220 | 35.48 | ppb | 99 |
| 87) | C780 Indeno(123-cd)pyre | .5 | 18.00 | 276 | 291045 | 36.04 | ppb | 94 |
| 88) | C785 Dibz(ah)anthracene | .4 | 18.01 | 278 | 263816 | 39.65 | ppb | 99 |
| 89) | C790 Bzo(g,h,i)perylene | .5 | 18.37 | 276 | 182023 | 29.99 | ppb | 97 |

020106

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

Data File : Q:\DATAB\121406\1214B05.D Vial: 6
Acq On : 14 Dec 2006 11:12 Operator:
Sample : 20489337\S1 Inst : 5973N
Misc : 79793 1:1 WATER/1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 14 13:06 2006 Quant Results File: BBASIC.RES

Quant Method : Q:\DATAB\BBASIC.M (RTE Integrator)
Title : Custom Basic Standard
Last Update : Thu Dec 14 10:49:46 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC
IS QA File : Q:\DATAB\121406\1214B03.D (14 Dec 2006 10:18)

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) Rcv(Ar ) |
|---|---|---|---|---|---|---|
| 1) CI30 1,4-Dichlorobenzene-d | 5.26 | 152 | 45210 | 20.00 | ppb | -0.04 106.02% |
| 4) CI40 Naphthalene-d8 | 6.89 | 136 | 137674 | 20.00 | ppb | -0.04 83.37% |
| 5) CI50 Acenaphthene-d10 | 9.10 | 164 | 62281 | 20.00 | ppb | -0.04 70.05% |
| 10) CI60 Phenanthrene-d10 | 10.95 | 188 | 88229 | 20.00 | ppb | -0.04 67.21% |
| 12) CI70 Chrysene-d12 | 14.56 | 240 | 149623 | 20.00 | ppb | -0.04 110.43% |
| 13) CI75 Perylene-d12 | 16.62 | 264 | 114373 | 20.00 | ppb | -0.04 67.12% |

System Monitoring Compounds

| Target Compounds | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 9) 1,4-Dinitrobenzene | 8.72 | 168 | 19382 | 35.59 | ppb | # 57 |

020107

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

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**SEMIVOLATILE**

**SAMPLE PREPARATION PACKAGE**

**SDG: 2064976**

020108

# Organic Extraction Log

Batch
**79793**


**Procedure:** 352082702

**Start Date/Time:** 12-11-6 **End Date/Time:** 12/13/06

**Start Analyst:** PMB **End Analyst:** SNP

**Bath Temp** 75° **Date/Time** ~

| Q | Sample | | | Amount (g or mL) | pH 1 | pH 2 | pH 3 | Sur Spk (mL) | Spike (mL) | Extract Tech(s) | Final Vol (mL) | Conc Tech(s) | Cleanup mL | Cleanup mL | Cleanup Tech(s) | Review Tech(s) | Comment | Ex# |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | !20489336! | 20489336 | BLA | 1000 | L2 | G12 | T | 0.5 | - | CW | 1.0 | CW | T | T | T | SNP | | |
| | !20489337! | 20489337 | LCS | | | | | | 0.5 | | | | | | | | | |
| | !20488919! | 20488919 | PS | | | | | | - | | | | | | | | | |
| | !20488920! | 20488920 | OQS | | | | | | | | | | | | | | | |
| | !20489338! | 20489338 | MS | | | | | | 0.5 | | | | | | | | 20488920 | |
| | !20489339! | 20489339 | MS | | | | | | ↓ | | | | | | | | 20488920 | |
| | !20488923! | 20488923 | PS | | | | | | - | | | | | | | | | |
| | !20488924! | 20488924 | PS | | | | | | | | | | | | | | | |
| | !20488925! | 20488925 | PS | | | | | | | | | | | | | | | |
| | !20489231! | 20489231 | PS | | | | | | | | | | | | | | | |
| | !20489238! | 20489238 | PS | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | |

**11 samples**

**Reagent Lots**

Acetone 065490
Acetonitrile 051904
Hexane 060610
Methylene chloride 065935
Pentane 053177
Cleanup Cartridge SPE
Sodium sulfate 27966002

020109

**Cleanup Codes**

A Sulfuric acid wash
D Diazomethane Deriv
F Florisil
G GPC
S Silica gel fractionation

**Qualifier Codes**

1 Difficulty filtering through SPE cartridge
2 All available sample used
3 Extract lost during concentration
4 Extract could not be concentrated
5 pH re-adjusted for second 18 hours
6 No sample remaining for QC

**Standard Solutions**

| | ID | Spiker | Verifier |
|---|---|---|---|
| Surr | 530.166 5055 | PB | ADN |
| LCS | 517-102-50ms | 1. | ↓ |
| Mx | | | |
| | | | |
| | | | |

# INSTRUMENT RUNLOG

## MS SEMIVOA 103006

Instrument: B
Column: 30m 0.25mm 0.5um RTX-5SilMS
Injector: 250C
Initial oven Temp: 35C/1mn
Temp ramp: 15,20,10C/min
Final oven temp: 100,240,330C
Carrier: Helium
Internal Standard: 534-36-SVISIOO

☑ Septum changed?
☐ Column trimmed? 29.7m
☑ Injection liner changed?

| | File | Lab ID | Extra | Batch | DF | Date | Time | Comments |
|---|---|---|---|---|---|---|---|---|
| 1 | 1030B00 | 534-31-PERF | | | 1 | 30-Oct-06 | 11:51 | |
| 2 | 1030B01 | 534-40-STD40 | | | 1 | 30-Oct-06 | 12:09 | |
| 3 | 1030B02 | 534-40-STD50 | | | 1 | 30-Oct-06 | 12:39 | |
| 4 | 1030B03 | 534-40-STD60 | | | 1 | 30-Oct-06 | 13:07 | |
| 5 | 1030B04 | 534-40-STD80 | | | 1 | 30-Oct-06 | 13:34 | INITIAL |
| 6 | 1030B05 | 534-40-STD25 | | | 1 | 30-Oct-06 | 14:03 | |
| 7 | 1030B06 | 534-40-STD10 | | | 1 | 30-Oct-06 | 14:33 | |
| 8 | 1030B07 | 534-40-ICV 40 | | | 1 | 30-Oct-06 | 16:41 | |

COPY

020110

0.776
1.718

# MS SEMIVOA 110906

Instrument: B
Column: 30m 0.25mm 0.5um RTX-5SilMS
Injector: 250C
Initial oven Temp: 35C/1mn
Temp ramp: 15,20,10C/min
Final oven temp: 100,240,330C
Carrier: Helium
Internal Standard: 534-41-SVIS1000

☑ Septum changed?
☑ Column trimmed? 29.3 m
☑ Injection liner changed?

| | File | Lab ID | Extra | Batch | DF | Date | Time | Comments |
|---|---|---|---|---|---|---|---|---|
| 1 | 1109B00 | 534-31-PER | F | | 1 | 09-Nov-06 | 15:33 | |
| 2 | 1109B01 | 534-43-BAS | IC40 | | 1 | 09-Nov-06 | 15:49 | |
| 3 | 1109B02 | 534-43-BAS | IC50 | | 1 | 09-Nov-06 | 16:19 | |
| 4 | 1109B03 | 534-43-BAS | IC60 | | 1 | 09-Nov-06 | 16:48 | √ INITIALS |
| 5 | 1109B04 | 534-43-BAS | IC80 | | 1 | 09-Nov-06 | 17:16 | |
| 6 | 1109B05 | 534-43-BAS | IC25 | | 1 | 09-Nov-06 | 17:44 | FOR |
| 7 | 1109B06 | 534-43-BAS | IC10 | | 1 | 09-Nov-06 | 18:14 | |
| 8 | 1109B07 | 534-41-ACI | D40 | | 1 | 09-Nov-06 | 18:43 | ADDITIONAL |
| 9 | 1109B08 | 534-41-ACI | D50 | | 1 | 09-Nov-06 | 19:13 | |
| 10 | 1109B09 | 534-41-ACI | D60 | | 1 | 09-Nov-06 | 19:42 | |
| 11 | 1109B10 | 534-41-ACI | D80 | | 1 | 09-Nov-06 | 20:10 | |
| 12 | 1109B11 | 534-41-ACI | D25 | | 1 | 09-Nov-06 | 20:38 | COMPOUNDS |
| 13 | 1109B12 | 534-41-ACI | D10 | | 1 | 09-Nov-06 | 21:07 | |
| 14 | 1109B13 | 534-44-SR4 | 90/40 | | 1 | 09-Nov-06 | 21:35 | |
| 15 | 1109B14 | 534-44-SR4 | 90/60 | | 1 | 09-Nov-06 | 22:05 | |
| 16 | 1109B15 | 534-44-SR4 | 90/80 | | 1 | 09-Nov-06 | 22:35 | |
| 17 | 1109B16 | 534-44-SR4 | 90/120 | | 1 | 09-Nov-06 | 23:05 | |
| 18 | 1109B17 | 534-44-SR4 | 90/25 | | 1 | 09-Nov-06 | 23:34 | |
| 19 | 1109B18 | 534-44-SR4 | 90/10 | | 1 | 10-Nov-06 | 0:04 | |
| 20 | 1109B19 | 534-45-PAH | 20 | | 1 | 10-Nov-06 | 0:34 | |
| 21 | 1109B20 | 534-45-PAH | 25 | | 1 | 10-Nov-06 | 1:08 | |
| 22 | 1109B21 | 534-45-PAH | 30 | | 1 | 10-Nov-06 | 1:43 | NOT Used |
| 23 | 1109B22 | 534-45-PAH | 40 | | 1 | 10-Nov-06 | 2:17 | |
| 24 | 1109B23 | 534-45-PAH | 10 | | 1 | 10-Nov-06 | 2:50 | |
| 25 | 1109B24 | 534-45-PAH | 5 | | 1 | 10-Nov-06 | 3:24 | |

BASICS

COPY

020111

# INSTRUMENT RUNLOG

REVIEWED
Dec 19 2006

## MS SEMIVOA 121406

Instrument: B
Column: 30m 0.25mm 0.5um RTX-5SilMS
Injector: 250C
Initial oven Temp: 35C/1mn
Temp ramp: 15,20,10C/min
Final oven temp: 100,240,330C
Carrier: Helium
Internal Standard: 534-41-SVIS1000

☑ Septum changed?
☐ Column trimmed? 22.1m
☑ Injection liner changed?

| | File | Lab ID | Extra | Batch | DF | Date | Time | Comments |
|---|---|---|---|---|---|---|---|---|
| 1 | 1214B00 | 534-31-PERF | | | 1 | 14-Dec-06 | 9:09 | |
| 2 | 1214B01 | 534-40-STD40 | | | 1 | 14-Dec-06 | 9:26 | |
| 3 | 1214B02 | 534-42-API40 | | | 1 | 14-Dec-06 | 9:52 | |
| 4 | 1214B03 | 534-43-BASIC40 | | | 1 | 14-Dec-06 | 10:18 | |
| 5 | 1214B04 | 20489336\B | 1 | 79793 | 1 | 14-Dec-06 | 10:44 | |
| 6 | 1214B05 | 20489337\S | 1 | 79793 | 1 | 14-Dec-06 | 11:12 | |
| 7 | 1214B06 | 20489821\B | 33.3 | 79542 | 1 | 14-Dec-06 | 11:39 | |
| 8 | 1214B07 | 20489822\S | 33.3 | 79542 | 1 | 14-Dec-06 | 12:06 | |
| 9 | 1214B08 | 20489925 | 33.3 | 79542 | 1 | 14-Dec-06 | 12:32 | |
| 10 | 1214B09 | 20488526 | 33.3 | 79542 | 1 | 14-Dec-06 | 12:59 | |
| 11 | 1214B10 | 20489338\M | 1 | 79793 | 1 | 14-Dec-06 | 13:24 | |
| 12 | 1214B11 | 20489339\M | 1 | 79793 | 1 | 14-Dec-06 | 13:50 | |
| 13 | 1214B12 | 20488920 | 1 | 79793 | 1 | 14-Dec-06 | 14:16 | |
| 14 | 1214B13 | 20488919 | 1 | 79793 | 1 | 14-Dec-06 | 14:41 | |
| 15 | 1214B14 | 20488923 | 1 | 79793 | 1 | 14-Dec-06 | 15:06 | |
| 16 | 1214B15 | 20488924 | 1 | 79793 | 1 | 14-Dec-06 | 15:33 | |
| 17 | 1214B16 | 20488925 | 1 | 79793 | 1 | 14-Dec-06 | 16:00 | |
| 18 | 1214B17 | 20489231 | 1 | 79793 | 1 | 14-Dec-06 | 16:27 | |
| 19 | 1214B18 | 20489238 | 1 | 79793 | 1 | 14-Dec-06 | 16:55 | |
| 20 | 1214B19 | 20488042 | 80.4 | 79542 | 1 | 14-Dec-06 | 17:23 | Surrogates low |
| 21 | 1214B20 | FLUSH | | | 1 | 14-Dec-06 | 17:50 | |
| 22 | 1214B21 | FLUSH | | | 1 | 14-Dec-06 | 18:18 | |
| 23 | 1214B22 | FLUSH | | | 1 | 14-Dec-06 | 18:46 | |
| 24 | 1214B23 | FLUSH | | | 1 | 14-Dec-06 | 19:13 | |
| 25 | 1214B24 | 534-46-SVIS1000 | | | 1 | 14-Dec-06 | 19:40 | |

020112

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**SEMIVOLATILE**

**STANDARDS DATA**

**SDG: 2064976**

# Response Factor Report 5973N

Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Mon Oct 30 16:26:40 2006
Response via : Initial Calibration

Calibration Files
40 =1030B01.D 50 =1030B02.D 60 =1030B03.D
80 =1030B04.D 25 =1030B05.D 10 =1030B06.D

| | | Compound | 40 | 50 | 60 | 80 | 25 | 10 | Avg | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|
| 1) | I | CI30 1,4-Diclbenzene- | ISTD | | | | | | | |
| 2) | T | C319 Pyridine | 1.226 | 1.082 | 1.005 | 1.132 | 0.857 | 1.011 | 1.052 | 12.00 |
| 3) | T | C310 N-Nitrosodimea | 0.756 | 0.621 | 0.679 | 0.609 | 0.508 | 0.632 | 0.634 | 12.92 |
| 4) | S | CS50 2-Fluorophenol | 1.217 | 1.212 | 1.218 | 1.169 | 1.090 | 1.150 | 1.176 | 4.31 |
| 5) | T | A311 Benzaldehyde | 0.974 | 0.774 | 0.771 | 0.701 | 0.938 | 1.036 | 0.866 | 15.50 |
| 6) | S | CS70 2-Chlorophenol | 1.152 | 1.111 | 1.134 | 1.098 | 1.113 | 1.158 | 1.128 | 2.15 |
| 7) | T | C320 Aniline | 1.710 | 1.666 | 1.696 | 1.613 | 1.668 | 1.745 | 1.683 | 2.69 |
| 8) | T | C325 bis(2-Cleth)et | 1.177 | 1.099 | 1.121 | 1.075 | 1.106 | 1.180 | 1.127 | 3.79 |
| 9) | S | CS45 Phenol-d5 | 1.486 | 1.419 | 1.465 | 1.396 | 1.387 | 1.430 | 1.430 | 2.69 |
| 10) | MC | C315 Phenol | 1.813 | 1.723 | 1.765 | 1.669 | 1.715 | 1.753 | 1.740 | 2.82 |
| 11) | M | C330 2-Chlorophenol | 1.397 | 1.325 | 1.330 | 1.295 | 1.355 | 1.421 | 1.354 | 3.52 |
| 12) | T | C335 13-Dichloroben | 1.318 | 1.282 | 1.315 | 1.257 | 1.336 | 1.346 | 1.309 | 2.57 |
| 13) | MC | C340 14-Dichloroben | 1.276 | 1.238 | 1.242 | 1.191 | 1.297 | 1.331 | 1.263 | 3.91 |
| 14) | S | CS75 1,2-Diclbenzen | 0.673 | 0.640 | 0.633 | 0.611 | 0.675 | 0.726 | 0.660 | 6.15 |
| 15) | T | C350 12-Dichloroben | 1.150 | 1.087 | 1.099 | 1.022 | 1.181 | 1.262 | 1.133 | 7.36 |
| 16) | T | C345 Benzyl alcohol | 0.661 | 0.610 | 0.644 | 0.602 | 0.658 | 0.678 | 0.642 | 4.69 |
| 17) | T | C357 bis(2-Clipr) e | 1.221 | 1.135 | 1.150 | 1.078 | 1.240 | 1.321 | 1.191 | 7.31 |
| 18) | T | C355 2-Methylphenol | 1.078 | 0.986 | 0.996 | 0.904 | 1.102 | 1.172 | 1.040 | 9.23 |
| 19) | T | A356 Acetophenone | 1.208 | 1.130 | 1.152 | 1.100 | 1.232 | 1.269 | 1.182 | 5.48 |
| 20) | T | C375 Hexachloroetha | 0.467 | 0.446 | 0.448 | 0.417 | 0.492 | 0.518 | 0.465 | 7.79 |
| 21) | MP | C370 N-Nitrosodinpr | 0.779 | 0.699 | 0.711 | 0.660 | 0.774 | 0.827 | 0.742 | 8.31 |
| 22) | T | C365 3Mphenol/4Mphe | 1.113 | 1.011 | 1.029 | 0.946 | 1.118 | 1.196 | 1.069 | 8.41 |
| 23) | I | CI40 Naphthalene-d8 | ISTD | | | | | | | |
| 24) | S | CS20 Nitrobenzene-d | 0.372 | 0.358 | 0.365 | 0.360 | 0.355 | 0.363 | 0.362 | 1.68 |
| 25) | T | C410 Nitrobenzene | 0.374 | 0.360 | 0.361 | 0.357 | 0.358 | 0.359 | 0.362 | 1.72 |
| 26) | T | C415 Isophorone | 0.623 | 0.585 | 0.625 | 0.606 | 0.575 | 0.597 | 0.602 | 3.34 |
| 27) | C | C420 2-Nitrophenol | 0.200 | 0.197 | 0.204 | 0.197 | 0.195 | 0.194 | 0.198 | 1.77 |
| 28) | T | C425 2,4-Dimethylph | 0.365 | 0.358 | 0.373 | 0.362 | 0.354 | 0.369 | 0.363 | 1.96 |
| 29) | T | C435 bis(2-Clethox) | 0.366 | 0.344 | 0.355 | 0.345 | 0.345 | 0.367 | 0.354 | 3.06 |
| 30) | C | C440 2,4-Dichloroph | 0.309 | 0.299 | 0.308 | 0.305 | 0.304 | 0.306 | 0.305 | 1.14 |
| 31) | T | C430 Benzoic acid | 0.116 | 0.113 | 0.101 | 0.107 | 0.114 | 0.112 | 0.110 | 5.04 |
| 32) | M | C445 1,2,4-Triclben | 0.282 | 0.280 | 0.283 | 0.277 | 0.284 | 0.288 | 0.282 | 1.25 |
| 33) | T | C450 Naphthalene | 0.912 | 0.879 | 0.868 | 0.833 | 0.908 | 0.948 | 0.891 | 4.49 |
| 34) | T | C455 4-Chloroanilin | 0.318 | 0.292 | 0.306 | 0.294 | 0.315 | 0.333 | 0.310 | 5.04 |
| 35) | C | C460 Hexachlorobuta | 0.177 | 0.179 | 0.179 | 0.180 | 0.182 | 0.182 | 0.180 | 1.15 |
| 36) | T | A461 Caprolactam | 0.082 | 0.070 | 0.066 | 0.064 | 0.071 | 0.077 | 0.072 | 9.32 |
| 37) | MC | C465 4-Cl-3-mepheno | 0.298 | 0.270 | 0.292 | 0.294 | 0.282 | 0.289 | 0.288 | 3.53 |
| 38) | T | C470 2Methylnaphtha | 0.561 | 0.529 | 0.545 | 0.525 | 0.558 | 0.587 | 0.551 | 4.13 |
| 39) | I | CI50 Acenaphthene-d10 | ISTD | | | | | | | |
| 40) | P | C510 Hexaclcypentad | 0.365 | 0.378 | 0.395 | 0.394 | 0.348 | 0.298 | 0.363 | 10.01 |
| 41) | C | C515 2,4,6-Triclphe | 0.424 | 0.420 | 0.447 | 0.431 | 0.411 | 0.390 | 0.421 | 4.56 |

L = Linear LO = Linear+Origin Q = Quad QO = Quad+Origin R = Corr. Coeff
(#) = Out of Range

Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Mon Oct 30 16:26:40 2006
Response via : Initial Calibration

Calibration Files
40 =1030B01.D 50 =1030B02.D 60 =1030B03.D
80 =1030B04.D 25 =1030B05.D 10 =1030B06.D

| | | | Compound | 40 | 50 | 60 | 80 | 25 | 10 | Avg | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 42) | T | C520 | 2,4,5-Triclphe | 0.444 | 0.427 | 0.465 | 0.452 | 0.432 | 0.410 | 0.439 | 4.40 |
| 43) | S | CS25 | 2-Fluorobiphen | 1.122 | 1.094 | 1.100 | 1.054 | 1.136 | 1.106 | 1.102 | 2.56 |
| 44) | T | A521 | 1,1'-Biphenyl | 1.241 | 1.209 | 1.217 | 1.149 | 1.223 | 1.163 | 1.200 | 3.02 |
| 45) | T | C525 | 2Chloronaphtha | 0.988 | 0.965 | 0.952 | 0.915 | 1.014 | 1.001 | 0.973 | 3.74 |
| 46) | T | C530 | 2-Nitroaniline | 0.339 | 0.321 | 0.354 | 0.334 | 0.314 | 0.309 | 0.328 | 5.16 |
| 47) | T | C540 | Acenaphthylene | 1.649 | 1.579 | 1.610 | 1.519 | 1.680 | 1.678 | 1.619 | 3.88 |
| 48) | T | C535 | Dimethylphthal | 1.156 | 1.072 | 1.213 | 1.157 | 1.110 | 1.146 | 1.142 | 4.19 |
| 49) | T | C543 | 2,6-Dinitrotol | 0.249 | 0.232 | 0.258 | 0.254 | 0.239 | 0.246 | 0.246 | 3.94 |
| 50) | MC | C550 | Acenaphthene | 0.991 | 0.961 | 0.985 | 0.949 | 1.013 | 1.016 | 0.986 | 2.73 |
| 51) | T | C545 | 3-Nitroaniline | 0.269 | 0.236 | 0.270 | 0.265 | 0.249 | 0.256 | 0.258 | 5.13 |
| 52) | P | C555 | 2,4-Dinitrophe | 0.167 | 0.165 | 0.208 | 0.210 | 0.171 | 0.149 | 0.178 | 14.08 |
| 53) | T | C565 | Dibenzofuran | 1.298 | 1.259 | 1.310 | 1.237 | 1.330 | 1.343 | 1.296 | 3.16 |
| 54) | M | C570 | 2,4-Dinitrotol | 0.319 | 0.287 | 0.350 | 0.335 | 0.295 | 0.318 | 0.317 | 7.46 |
| 55) | MP | C560 | 4-Nitrophenol | 0.219 | 0.203 | 0.247 | 0.247 | 0.189 | 0.193 | 0.216 | 12.01 |
| 56) | T | C590 | Fluorene | 1.107 | 1.041 | 1.118 | 1.051 | 1.109 | 1.173 | 1.100 | 4.40 |
| 57) | T | C585 | 4-Clphenphen e | 0.549 | 0.534 | 0.587 | 0.584 | 0.543 | 0.558 | 0.559 | 3.92 |
| 58) | T | C580 | Diethylphthala | 1.070 | 0.979 | 1.148 | 1.108 | 1.016 | 1.087 | 1.068 | 5.76 |
| 59) | T | C595 | 4-Nitroaniline | 0.264 | 0.221 | 0.251 | 0.239 | 0.232 | 0.251 | 0.243 | 6.42 |
| 60) | I | CI60 | Phenanthrene-d10 | ---------- | ---------- | ISTD | ---------- | ---------- | ---------- | | |
| 61) | T | D200 | 12Diphenylhydr | 0.761 | 0.751 | 0.683 | 0.652 | 0.772 | 0.742 | 0.727 | 6.64 |
| 62) | T | C610 | 4,6-Din-2-meph | 0.156 | 0.154 | 0.162 | 0.168 | 0.148 | 0.122 | 0.152 | 10.52 |
| 63) | C | C615 | N-Nitrosodipha | 0.524 | 0.488 | 0.469 | 0.451 | 0.510 | 0.519 | 0.494 | 5.91 |
| 64) | S | CS55 | 2,4,6-Tribrphe | 0.060 | 0.058 | 0.058 | 0.058 | 0.060 | 0.058 | 0.059 | 2.27 |
| 65) | T | C625 | 4-Brphenphen e | 0.171 | 0.169 | 0.168 | 0.171 | 0.172 | 0.174 | 0.171 | 1.21 |
| 66) | T | A626 | Atrazine | 0.190 | 0.179 | 0.189 | 0.187 | 0.193 | 0.208 | 0.191 | 4.99 |
| 67) | T | C630 | Hexachlorobenz | 0.162 | 0.161 | 0.163 | 0.163 | 0.165 | 0.166 | 0.164 | 1.11 |
| 68) | MC | C635 | Pentachlorophe | 0.139 | 0.137 | 0.142 | 0.142 | 0.135 | 0.118 | 0.135 | 6.56 |
| 69) | T | C647 | Carbazole | 0.854 | 0.776 | 0.797 | 0.770 | 0.819 | 0.870 | 0.814 | 5.06 |
| 70) | T | C640 | Phenanthrene | 1.037 | 0.993 | 0.982 | 0.952 | 1.024 | 1.065 | 1.009 | 4.05 |
| 71) | T | C645 | Anthracene | 1.035 | 0.980 | 0.960 | 0.939 | 1.032 | 1.056 | 1.000 | 4.69 |
| 72) | T | C650 | Di-n-butylphth | 1.205 | 1.140 | 1.251 | 1.221 | 1.174 | 1.238 | 1.205 | 3.47 |
| 73) | C | C655 | Fluoranthene | 1.377 | 1.370 | 1.518 | 1.544 | 1.276 | 1.319 | 1.401 | 7.69 |
| 74) | I | CI70 | Chrysene-d12 | ---------- | ---------- | ISTD | ---------- | ---------- | ---------- | | |
| 75) | M | C715 | Pyrene | 1.192 | 0.980 | 1.158 | 1.125 | 1.141 | 1.214 | 1.135 | 7.28 |
| 76) | S | CS30 | Terphenyl-d14 | 0.646 | 0.553 | 0.685 | 0.659 | 0.629 | 0.675 | 0.641 | 7.47 |
| 77) | T | C720 | Butylbenzylpht | 0.624 | 0.562 | 0.646 | 0.625 | 0.594 | 0.613 | 0.611 | 4.83 |
| 78) | T | C725 | 3,3'-Diclbenzi | 0.437 | 0.433 | 0.448 | 0.413 | 0.395 | 0.389 | 0.419 | 5.70 |
| 79) | T | C730 | Benzo(a)anthra | 1.194 | 1.174 | 1.222 | 1.171 | 1.180 | 1.217 | 1.193 | 1.84 |
| 80) | T | C735 | Chrysene | 1.049 | 1.023 | 0.997 | 0.949 | 1.054 | 1.056 | 1.022 | 4.13 |
| 81) | T | C740 | bis(2-Ethex)ph | 0.906 | 0.848 | 0.912 | 0.868 | 0.904 | 0.913 | 0.892 | 3.05 |
| 82) | I | CI75 | Perylene-d12 | ---------- | ---------- | ISTD | ---------- | ---------- | ---------- | | |

L = Linear LO = Linear+Origin Q = Quad QO = Quad+Origin R = Corr. Coef
(#) = Out of Range

020025

Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Mon Oct 30 16:26:40 2006
Response via : Initial Calibration

Calibration Files
40 =1030B01.D 50 =1030B02.D 60 =1030B03.D
80 =1030B04.D 25 =1030B05.D 10 =1030B06.D

| | | Compound | 40 | 50 | 60 | 80 | 25 | 10 | Avg | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|
| 83) | C | C760 Di-n-octylphth | 1.563 | 1.541 | 1.716 | 1.615 | 1.454 | 1.524 | 1.569 | 5.69 |
| 84) | T | C765 Bzo(b)fluorant | 1.370 | 1.454 | 1.486 | 1.538 | 1.255 | 1.239 | 1.391 | 8.90 |
| 85) | T | C770 Bzo(k)fluorant | 1.217 | 1.214 | 1.231 | 1.051 | 1.176 | 1.218 | 1.184 | 5.75 |
| 86) | C | C775 Benzo(a)pyrene | 1.192 | 1.191 | 1.195 | 1.119 | 1.157 | 1.161 | 1.169 | 2.54 |
| 87) | T | C780 Indeno(123-cd) | 1.576 | 1.479 | 1.460 | 1.376 | 1.389 | 1.194 | 1.412 | 9.13 |
| 88) | T | C785 Dibz(ah)anthra | 1.293 | 1.214 | 1.202 | 1.118 | 1.170 | 0.984 | 1.164 | 9.04 |
| 89) | T | C790 Bzo(g,h,i)pery | 1.177 | 1.061 | 1.069 | 1.000 | 1.088 | 0.973 | 1.061 | 6.78 |

Total Average %RSD 5.29

L = Linear LO = Linear+Origin Q = Quad QO = Quad+Origin R = Corr. Coeff.
(#) = Out of Range

Concentration Report for B103006.M

Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S

COLUMN A — Calibration Levels

| | compound name | 40 | 50 | 60 | 80 | 25 | 10 |
|---|---|---|---|---|---|---|---|
| 1 | CI30 1,4-Diclbe | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 |
| 2 | C319 Pyridine | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 3 | C310 N-Nitrosod | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 4 | CS50 2-Fluoroph | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 5 | A311 Benzaldehy | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 6 | CS70 2-Chloroph | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 7 | C320 Aniline | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 8 | C325 bis(2-Clet | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 9 | CS45 Phenol-d5 | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 10 | C315 Phenol | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 11 | C330 2-Chloroph | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 12 | C335 13-Dichlor | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 13 | C340 14-Dichlor | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 14 | CS75 1,2-Diclbe | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 15 | C350 12-Dichlor | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 16 | C345 Benzyl alc | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 17 | C357 bis(2-Clip | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 18 | C355 2-Methylph | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 19 | A356 Acetopheno | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 20 | C375 Hexachloro | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 21 | C370 N-Nitrosod | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 22 | C365 3Mphenol 4 | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 23 | CI40 Naphthalen | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 |
| 24 | CS20 Nitrobenze | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 25 | C410 Nitrobenze | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 26 | C415 Isophorone | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 27 | C420 2-Nitrophe | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 28 | C425 2,4-Dimeth | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 29 | C435 bis(2-Clet | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 30 | C440 2,4-Dichlo | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 31 | C430 Benzoic ac | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 32 | C445 1,2,4-Tric | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 33 | C450 Naphthalen | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 34 | C455 4-Chloroan | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 35 | C460 Hexachloro | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 36 | A461 Caprolacta | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 37 | C465 4-Cl-3-mep | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 38 | C470 2Methylnap | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 39 | CI50 Acenaphthe | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 |
| 40 | C510 Hexaclcype | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 41 | C515 2,4,6-Tric | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 42 | C520 2,4,5-Tric | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 43 | CS25 2-Fluorobi | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 44 | A521 1,1'-Biphe | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 45 | C525 2Chloronap | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 46 | C530 2-Nitroani | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 47 | C540 Acenaphthy | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 48 | C535 Dimethylph | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 49 | C543 2,6-Dinitr | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 50 | C550 Acenaphthe | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 51 | C545 3-Nitroani | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 52 | C555 2,4-Dinitr | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |

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| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 53 | C565 | Dibenzofur | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 54 | C570 | 2,4-Dinitr | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 55 | C560 | 4-Nitrophe | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 56 | C590 | Fluorene | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 57 | C585 | 4-Clphenph | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 58 | C580 | Diethylpht | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 59 | C595 | 4-Nitroani | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 60 | CI60 | Phenanthre | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 |
| 61 | D200 | 12Diphenyl | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 62 | C610 | 4,6-Din-2- | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 63 | C615 | N-Nitrosod | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 64 | CS55 | 2,4,6-Trib | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 65 | C625 | 4-Brphenph | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 66 | A626 | Atrazine | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 67 | C630 | Hexachloro | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 68 | C635 | Pentachlor | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 69 | C647 | Carbazole | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 70 | C640 | Phenanthre | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 71 | C645 | Anthracene | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 72 | C650 | Di-n-butyl | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 73 | C655 | Fluoranthe | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 74 | CI70 | Chrysene-d | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 |
| 75 | C715 | Pyrene | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 76 | CS30 | Terphenyl- | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 77 | C720 | Butylbenzy | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 78 | C725 | 3,3'-Diclb | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 79 | C730 | Benzo(a)an | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 80 | C735 | Chrysene | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 81 | C740 | bis(2-Ethe | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 82 | CI75 | Perylene-d | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 |
| 83 | C760 | Di-n-octyl | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 84 | C765 | Bzo(b)fluo | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 85 | C770 | Bzo(k)fluo | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 86 | C775 | Benzo(a)py | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 87 | C780 | Indeno(123 | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 88 | C785 | Dibz(ah)an | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 89 | C790 | Bzo(g,h,i) | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |

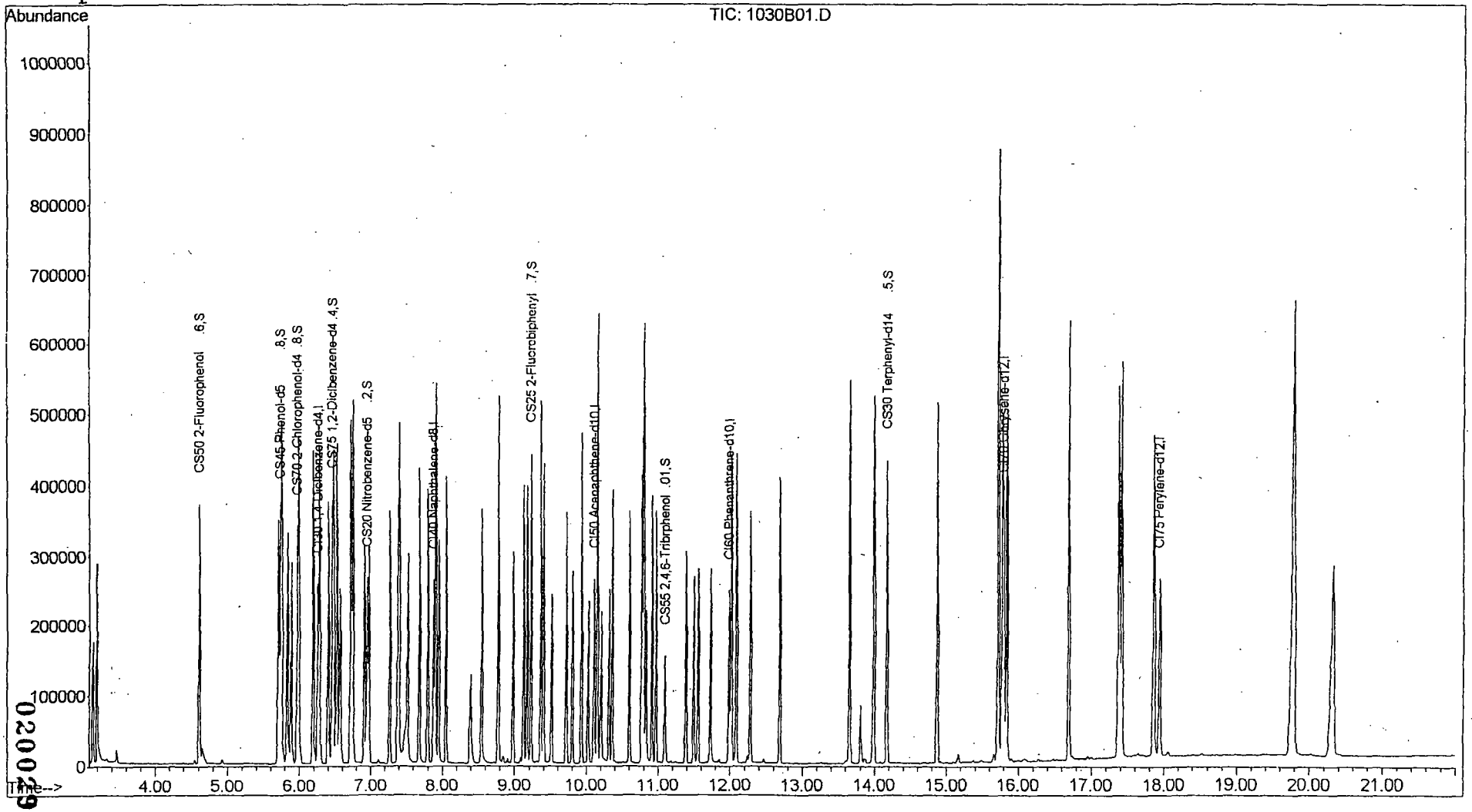
Quantitation Report

Data File : Q:\DATAB\103006\1030B01.D
Acq On : 30 Oct 2006 12:09
Sample : 534-40-STD40
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 30 16:12 2006

Vial: 2
Operator:
Inst : 5973N
Multiplr: 1.00

Quant Results File: B103006.RES

Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Mon Oct 30 16:08:42 2006
Response via : Initial Calibration




02002

Quantitation Report (QT Reviewed)

Data File : Q:\DATAB\103006\1030B01.D Vial: 2
Acq On : 30 Oct 2006 12:09 Operator:
Sample : 534-40-STD40 Inst : 5973N
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 30 16:12 2006 Quant Results File: B103006.RES

Quant Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Mon Oct 30 16:08:42 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC
IS QA File : CC level for IS QA unknown. No recoveries calculated.

| Internal Standards | | R.T. | QIon | Response | Conc | Units | Dev(Min) Rcv(Ar ) |
|---|---|---|---|---|---|---|---|
| 1) CI30 1,4-Diclbenzene-d4 | | 6.25 | 152 | 46221 | 20.00 | ppb | 0.00 NA% |
| 23) CI40 Naphthalene-d8 | | 7.88 | 136 | 140502 | 20.00 | ppb | 0.00 NA% |
| 39) CI50 Acenaphthene-d10 | | 10.10 | 164 | 67036 | 20.00 | ppb | -0.01 NA% |
| 60) CI60 Phenanthrene-d10 | | 11.99 | 188 | 96623 | 20.00 | ppb | -0.01 NA% |
| 74) CI70 Chrysene-d12 | | 15.80 | 240 | 114535 | 20.00 | ppb | -0.02 NA% |
| 82) CI75 Perylene-d12 | | 17.94 | 264 | 119687 | 20.00 | ppb | -0.02 NA% |
| **System Monitoring Compounds** | | | | | | | |
| 4) CS50 2-Fluorophenol | .6 | 4.61 | 112 | 112472 | 43.50 | ppb | -0.01 |
| Spiked Amount 75.000 | Range 30 - 105 | | | Recovery = 58.00% | | | |
| 6) CS70 2-Chlorophenol-d4 | .8 | 5.96 | 132 | 106532 | 43.41 | ppb | -0.01 |
| Spiked Amount 75.000 | Range 33 - 110 | | | Recovery = 57.88% | | | |
| 9) CS45 Phenol-d5 | .8 | 5.73 | 99 | 137350 | 45.82 | ppb | 0.00 |
| Spiked Amount 75.000 | Range 30 - 107 | | | Recovery = 61.09% | | | |
| 14) CS75 1,2-Diclbenzene-d4 | .4 | 6.45 | 152 | 62232 | 40.55 | ppb | -0.01 |
| Spiked Amount 50.000 | Range 16 - 110 | | | Recovery = 81.10% | | | |
| 24) CS20 Nitrobenzene-d5 | .2 | 6.95 | 82 | 104650 | 47.03 | ppb | -0.01 |
| Spiked Amount 50.000 | Range 30 - 115 | | | Recovery = 94.06% | | | |
| 43) CS25 2-Fluorobiphenyl | .7 | 9.22 | 172 | 150434 | 40.81 | ppb | -0.02 |
| Spiked Amount 50.000 | Range 30 - 114 | | | Recovery = 81.62% | | | |
| 64) CS55 2,4,6-Tribrphenol | .0 | 11.09 | 330 | 11680 | 41.63 | ppb | -0.01 |
| Spiked Amount 75.000 | Range 30 - 130 | | | Recovery = 55.51% | | | |
| 76) CS30 Terphenyl-d14 | .5 | 14.17 | 244 | 147874 | 47.04 | ppb | -0.02 |
| Spiked Amount 50.000 | Range 30 - 114 | | | Recovery = 94.08% | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) C319 Pyridine | | 3.19 | 79 | 113374 | 45.58 | ppb | 88 |
| 3) C310 N-Nitrosodimeamine | | 3.14 | 74 | 69901 | 45.38 | ppb | # 58 |
| 5) A311 Benzaldehyde | .0 | 5.70 | 77 | 90041 | 49.51 | ppb | 99 |
| 7) C320 Aniline | | 5.83 | 93 | 158089 | 42.75 | ppb | 98 |
| 8) C325 bis(2-Cleth)ether | .7 | 5.88 | 93 | 108774 | 43.94 | ppb | 99 |
| 10) C315 Phenol | .8 | 5.75 | 94 | 167611 | 44.97 | ppb | 87 |
| 11) C330 2-Chlorophenol | .8 | 5.99 | 128 | 129173 | 43.07 | ppb | 99 |

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

Quantitation Report (QT Reviewed)

Data File : Q:\DATAB\103006\1030B01.D Vial: 2
Acq On : 30 Oct 2006 12:09 Operator:
Sample : 534-40-STD40 Inst : 5973N
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 30 16:12 2006 Quant Results File: B103006.RES

Quant Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Mon Oct 30 16:08:42 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC

| | Compound | R.T. | QIon | Response | Conc Unit | | Qvalue |
|---|---|---|---|---|---|---|---|
| 12) | C335 13-Dichlorobenzene .6 | 6.18 | 146 | 121805 | 41.56 ppb | | 100 |
| 13) | C340 14-Dichlorobenzene .5 | 6.27 | 146 | 117927 | 41.19 ppb | | 99 |
| 15) | C350 12-Dichlorobenzene .4 | 6.47 | 146 | 106316 | 40.73 ppb | | 99 |
| 16) | C345 Benzyl alcohol | 6.40 | 108 | 61064 | 42.98 ppb | | 97 |
| 17) | C357 bis(2-Clipr) ether .0 | 6.56 | 45 | 112861 | 44.14 ppb | | 100 |
| 18) | C355 2-Methylphenol .7 | 6.52 | 108 | 99665 | 43.11 ppb | | 97 |
| 19) | A356 Acetophenone .0 | 6.74 | 105 | 111624 | 43.61 ppb | # | 95 |
| 20) | C375 Hexachloroethane .3 | 6.90 | 117 | 43149 | 42.76 ppb | | 86 |
| 21) | C370 N-Nitrosodinpramin .5 | 6.74 | 70 | 71982 | 47.83 ppb | | 86 |
| 22) | C365 3Mphenol/4Mphenol .6 | 6.71 | 108 | 102861 | 43.77 ppb | | 100 |
| 25) | C410 Nitrobenzene .2 | 6.97 | 77 | 105067 | 47.29 ppb | | 97 |
| 26) | C415 Isophorone .4 | 7.27 | 82 | 175101 | 48.18 ppb | | 98 |
| 27) | C420 2-Nitrophenol .1 | 7.37 | 139 | 56149 | 47.04 ppb | | 83 |
| 28) | C425 2,4-Dimethylphenol .2 | 7.40 | 107 | 102544 | 46.51 ppb | | 97 |
| 29) | C435 bis(2-Clethox)meth .3 | 7.52 | 93 | 102911 | 44.29 ppb | | 97 |
| 30) | C440 2,4-Dichlorophenol .2 | 7.67 | 162 | 86803 | 42.61 ppb | | 98 |
| 31) | C430 Benzoic acid | 7.50 | 122 | 32590 | 49.76 ppb | | 91 |
| 32) | C445 1,2,4-Triclbenzene .2 | 7.80 | 180 | 79155 | 40.20 ppb | | 99 |
| 33) | C450 Naphthalene .7 | 7.90 | 128 | 256296 | 41.81 ppb | | 100 |
| 34) | C455 4-Chloroaniline .0 | 7.95 | 127 | 89229 | 40.87 ppb | | 98 |
| 35) | C460 Hexachlorobutadien .0 | 8.05 | 225 | 49657 | 40.75 ppb | | 99 |
| 36) | A461 Caprolactam .0 | 8.40 | 113 | 22972 | 47.55 ppb | | 89 |
| 37) | C465 4-Cl-3-mephenol .2 | 8.54 | 107 | 83834 | 49.43 ppb | | 98 |
| 38) | C470 2Methylnaphthalene .4 | 8.77 | 142 | 157573 | 42.16 ppb | | 98 |
| 40) | C510 Hexaclcypentadiene .0 | 8.98 | 237 | 48961 | 45.40 ppb | | 99 |
| 41) | C515 2,4,6-Triclphenol .2 | 9.12 | 196 | 56898 | 42.98 ppb | | 99 |
| 42) | C520 2,4,5-Triclphenol .2 | 9.17 | 196 | 59584 | 42.45 ppb | | 100 |
| 44) | A521 1,1'-Biphenyl .0 | 9.36 | 154 | 166396 | 41.41 ppb | # | 97 |
| 45) | C525 2Chloronaphthalene .8 | 9.40 | 162 | 132513 | 39.55 ppb | | 98 |
| 46) | C530 2-Nitroaniline .0 | 9.51 | 65 | 45466 | 49.86 ppb | | 97 |
| 47) | C540 Acenaphthylene 1. | 9.93 | 152 | 221111 | 41.03 ppb | | 99 |
| 48) | C535 Dimethylphthalate .0 | 9.71 | 163 | 154950 | 44.92 ppb | | 99 |
| 49) | C543 2,6-Dinitrotoluene .2 | 9.80 | 165 | 33329 | 43.96 ppb | | 90 |
| 50) | C550 Acenaphthene .9 | 10.15 | 153 | 132868 | 40.15 ppb | | 95 |
| 51) | C545 3-Nitroaniline .0 | 10.02 | 138 | 36071 | 44.65 ppb | | 100 |
| 52) | C555 2,4-Dinitrophenol .0 | 10.15 | 184 | 22354 | 57.92 ppb | | 100 |
| 53) | C565 Dibenzofuran .8 | 10.36 | 168 | 174027 | 39.84 ppb | | 98 |
| 54) | C570 2,4-Dinitrotoluene .2 | 10.31 | 165 | 42778 | 44.46 ppb | | 94 |
| 55) | C560 4-Nitrophenol .0 | 10.20 | 109 | 29319 | 57.63 ppb | | 100 |
| 56) | C590 Fluorene .9 | 10.79 | 166 | 148395 | 40.38 ppb | | 98 |
| 57) | C585 4-Clphenphen ether .4 | 10.77 | 204 | 73599 | 41.20 ppb | | 97 |

020031

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

Quantitation Report (QT Reviewed)

Data File : Q:\DATAB\103006\1030B01.D Vial: 2
Acq On : 30 Oct 2006 12:09 Operator:
Sample : 534-40-STD40 Inst : 5973N
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 30 16:12 2006 Quant Results File: B103006.RES

Quant Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Mon Oct 30 16:08:42 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC

| | Compound | | R.T. | QIon | Response | Conc | Unit | Qvalue |
|---|---|---|---|---|---|---|---|---|
| 58) | C580 Diethylphthalate | .0 | 10.60 | 149 | 143411 | 47.95 | ppb | 97 |
| 59) | C595 4-Nitroaniline | .0 | 10.79 | 138 | 35342 | 45.65 | ppb | 85 |
| 61) | D200 12Diphenylhydrazin | | 10.97 | 77 | 147114 | 47.66 | ppb | 87 |
| 62) | C610 4,6-Din-2-mephenol | .0 | 10.83 | 198 | 30210 | 49.28 | ppb | 100 |
| 63) | C615 N-Nitrosodiphamine | .0 | 10.91 | 169 | 101334 | 42.06 | ppb | 96 |
| 65) | C625 4-Brphenphen ether | .1 | 11.39 | 248 | 33044 | 39.72 | ppb | 96 |
| 66) | A626 Atrazine | .01 | 11.56 | 200 | 36727 | 41.95 | ppb | 94 |
| 67) | C630 Hexachlorobenzene | .1 | 11.49 | 284 | 31399 | 37.42 | ppb | 83 |
| 68) | C635 Pentachlorophenol | .0 | 11.73 | 266 | 26860 | 41.07 | ppb | 99 |
| 69) | C647 Carbazole | .0 | 12.28 | 167 | 165075 | 41.06 | ppb | 99 |
| 70) | C640 Phenanthrene | .7 | 12.02 | 178 | 200359 | 39.90 | ppb | 100 |
| 71) | C645 Anthracene | .7 | 12.09 | 178 | 199935 | 39.89 | ppb | 98 |
| 72) | C650 Di-n-butylphthalat | .0 | 12.68 | 149 | 232834 | 47.40 | ppb | 99 |
| 73) | C655 Fluoranthene | .6 | 13.65 | 202 | 266107 | 39.03 | ppb | 91 |
| 75) | C715 Pyrene | .6 | 13.99 | 202 | 272949 | 47.29 | ppb | 88 |
| 77) | C720 Butylbenzylphthal | .0 | 14.87 | 149 | 142844 | 56.66 | ppb | 95 |
| 78) | C725 3,3'-Diclbenzidine | .0 | 15.71 | 252 | 100155 | 46.96 | ppb | 95 |
| 79) | C730 Benzo(a)anthracene | .8 | 15.78 | 228 | 273428 | 41.14 | ppb | 100 |
| 80) | C735 Chrysene | .7 | 15.84 | 228 | 240390 | 40.16 | ppb | 100 |
| 81) | C740 bis(2-Ethex)phthal | .0 | 15.72 | 149 | 207645 | 58.40 | ppb | 95 |
| 83) | C760 Di-n-octylphthalat | .0 | 16.69 | 149 | 374205 | 56.59 | ppb | 99 |
| 84) | C765 Bzo(b)fluoranthene | .7 | 17.37 | 252 | 327974 | 40.44 | ppb | 97 |
| 85) | C770 Bzo(k)fluoranthene | .7 | 17.41 | 252 | 291337 | 41.41 | ppb | 97 |
| 86) | C775 Benzo(a)pyrene | .7 | 17.86 | 252 | 285222 | 39.93 | ppb | 97 |
| 87) | C780 Indeno(123-cd)pyre | .5 | 19.77 | 276 | 377186 | 45.82 | ppb | 91 |
| 88) | C785 Dibz(ah)anthracene | .4 | 19.78 | 278 | 309589 | 45.44 | ppb | 97 |
| 89) | C790 Bzo(g,h,i)perylene | .5 | 20.32 | 276 | 281819 | 45.43 | ppb | 99 |

020032

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

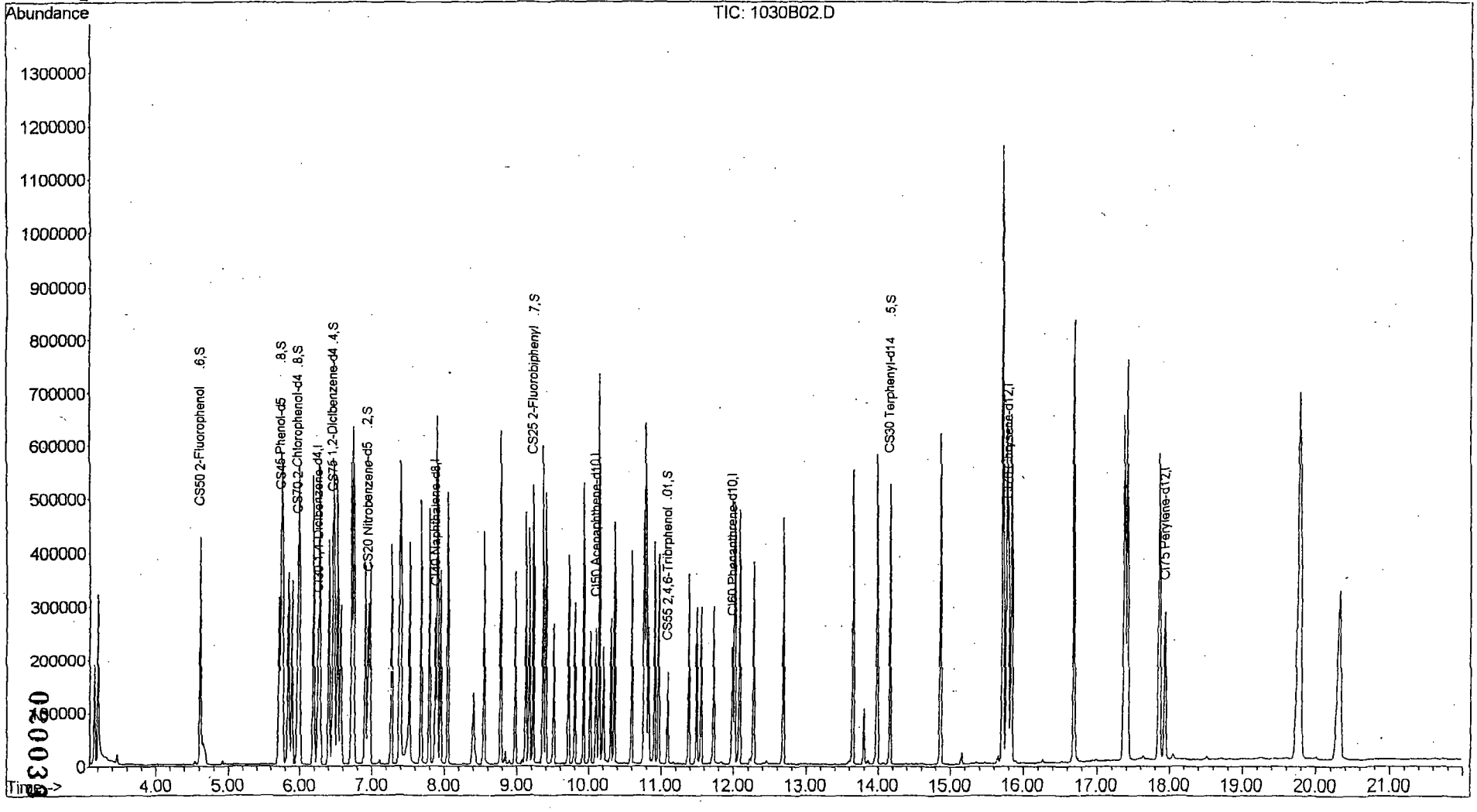
Quantitation Report

Data File : Q:\DATAB\103006\1030B02.D
Acq On : 30 Oct 2006 12:39
Sample : 534-40-STD50
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 30 16:12 2006

Vial: 3
Operator:
Inst : 5973N
Multiplr: 1.00

Quant Results File: B103006.RES

Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Mon Oct 30 16:22:41 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : Q:\DATAB\103006\1030B02.D Vial: 3
Acq On : 30 Oct 2006 12:39 Operator:
Sample : 534-40-STD50 Inst : 5973N
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 30 16:12 2006 Quant Results File: B103006.RES

Quant Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Mon Oct 30 16:08:42 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC
IS QA File : CC level for IS QA unknown. No recoveries calculated.

| Internal Standards | | R.T. | QIon | Response | Conc | Units | Dev(Min) Rcv(Ar ) |
|---|---|---|---|---|---|---|---|
| 1) CI30 1,4-Diclbenzene-d4 | | 6.25 | 152 | 49002 | 20.00 | ppb | -0.01 NA% |
| 23) CI40 Naphthalene-d8 | | 7.87 | 136 | 141869 | 20.00 | ppb | -0.01 NA% |
| 39) CI50 Acenaphthene-d10 | | 10.09 | 164 | 64226 | 20.00 | ppb | -0.02 NA% |
| 60) CI60 Phenanthrene-d10 | | 11.98 | 188 | 88526 | 20.00 | ppb | -0.02 NA% |
| 74) CI70 Chrysene-d12 | | 15.79 | 240 | 128484 | 20.00 | ppb | -0.02 NA% |
| 82) CI75 Perylene-d12 | | 17.94 | 264 | 133944 | 20.00 | ppb | -0.02 NA% |
| **System Monitoring Compounds** | | | | | | | |
| 4) CS50 2-Fluorophenol | .6 | 4.61 | 112 | 148491 | 54.17 | ppb | -0.02 |
| Spiked Amount 75.000 | Range 30 - 105 | | | Recovery = 72.23% | | | |
| 6) CS70 2-Chlorophenol-d4 | .8 | 5.96 | 132 | 136099 | 52.31 | ppb | -0.01 |
| Spiked Amount 75.000 | Range 33 - 110 | | | Recovery = 69.75% | | | |
| 9) CS45 Phenol-d5 | .8 | 5.73 | 99 | 173826 | 54.70 | ppb | 0.00 |
| Spiked Amount 75.000 | Range 30 - 107 | | | Recovery = 72.93% | | | |
| 14) CS75 1,2-Diclbenzene-d4 | .4 | 6.45 | 152 | 78451 | 48.21 | ppb | -0.01 |
| Spiked Amount 50.000 | Range 16 - 110 | | | Recovery = 96.42% | | | |
| 24) CS20 Nitrobenzene-d5 | .2 | 6.94 | 82 | 127043 | 56.55 | ppb | -0.02 |
| Spiked Amount 50.000 | Range 30 - 115 | | | Recovery = 113.10% | | | |
| 43) CS25 2-Fluorobiphenyl | .7 | 9.22 | 172 | 175663 | 49.74 | ppb | -0.02 |
| Spiked Amount 50.000 | Range 30 - 114 | | | Recovery = 99.48% | | | |
| 64) CS55 2,4,6-Tribrphenol | .0 | 11.09 | 330 | 12786 | 49.74 | ppb | -0.02 |
| Spiked Amount 75.000 | Range 30 - 130 | | | Recovery = 66.32% | | | |
| 76) CS30 Terphenyl-d14 | .5 | 14.16 | 244 | 177471 | 50.33 | ppb | -0.03 |
| Spiked Amount 50.000 | Range 30 - 114 | | | Recovery = 100.66% | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) C319 Pyridine | | 3.20 | 79 | 132547 | 50.27 | ppb | 90 |
| 3) C310 N-Nitrosodimeamine | | 3.15 | 74 | 76081 | 46.59 | ppb # | 45 |
| 5) A311 Benzaldehyde | .0 | 5.70 | 77 | 94868 | 49.20 | ppb | 98 |
| 7) C320 Aniline | | 5.83 | 93 | 204037 | 52.04 | ppb | 99 |
| 8) C325 bis(2-Cleth)ether | .7 | 5.88 | 93 | 134693 | 51.32 | ppb | 99 |
| 10) C315 Phenol | .8 | 5.75 | 94 | 211130 | 53.43 | ppb | 85 |
| 11) C330 2-Chlorophenol | .8 | 5.99 | 128 | 162342 | 51.06 | ppb | 98 |

020034

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

Quantitation Report (QT Reviewed)

Data File : Q:\DATAB\103006\1030B02.D Vial: 3
Acq On : 30 Oct 2006 12:39 Operator:
Sample : 534-40-STD50 Inst : 5973N
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 30 16:12 2006 Quant Results File: B103006.RES

Quant Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Mon Oct 30 16:08:42 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC

| | Compound | | R.T. | QIon | Response | Conc | Unit | | Qvalue |
|---|---|---|---|---|---|---|---|---|---|
| 12) | C335 13-Dichlorobenzene | .6 | 6.18 | 146 | 157013 | 50.54 | ppb | | 98 |
| 13) | C340 14-Dichlorobenzene | .5 | 6.27 | 146 | 151711 | 49.99 | ppb | | 99 |
| 15) | C350 12-Dichlorobenzene | .4 | 6.47 | 146 | 133121 | 48.10 | ppb | | 98 |
| 16) | C345 Benzyl alcohol | | 6.40 | 108 | 74718 | 49.60 | ppb | | 93 |
| 17) | C357 bis(2-Clipr) ether | .0 | 6.56 | 45 | 139025 | 51.28 | ppb | | 98 |
| 18) | C355 2-Methylphenol | .7 | 6.51 | 108 | 120741 | 49.26 | ppb | | 98 |
| 19) | A356 Acetophenone | .0 | 6.74 | 105 | 138487 | 51.04 | ppb | # | 96 |
| 20) | C375 Hexachloroethane | .3 | 6.90 | 117 | 54644 | 51.08 | ppb | | 85 |
| 21) | C370 N-Nitrosodinpramin | .5 | 6.74 | 70 | 85676 | 53.70 | ppb | | 85 |
| 22) | C365 3Mphenol/4Mphenol | .6 | 6.71 | 108 | 123793 | 49.69 | ppb | | 100 |
| 25) | C410 Nitrobenzene | .2 | 6.97 | 77 | 127615 | 56.88 | ppb | | 97 |
| 26) | C415 Isophorone | .4 | 7.26 | 82 | 207568 | 56.56 | ppb | | 98 |
| 27) | C420 2-Nitrophenol | .1 | 7.37 | 139 | 69729 | 57.85 | ppb | | 82 |
| 28) | C425 2,4-Dimethylphenol | .2 | 7.39 | 107 | 126822 | 56.96 | ppb | | 98 |
| 29) | C435 bis(2-Clethox)meth | .3 | 7.51 | 93 | 121974 | 51.99 | ppb | | 97 |
| 30) | C440 2,4-Dichlorophenol | .2 | 7.67 | 162 | 106154 | 51.60 | ppb | | 98 |
| 31) | C430 Benzoic acid | | 7.51 | 122 | 40021 | 60.52 | ppb | | 91 |
| 32) | C445 1,2,4-Triclbenzene | .2 | 7.79 | 180 | 99211 | 49.91 | ppb | | 99 |
| 33) | C450 Naphthalene | .7 | 7.90 | 128 | 311625 | 50.35 | ppb | | 100 |
| 34) | C455 4-Chloroaniline | .0 | 7.94 | 127 | 103598 | 46.99 | ppb | | 99 |
| 35) | C460 Hexachlorobutadien | .0 | 8.04 | 225 | 63552 | 51.65 | ppb | | 98 |
| 36) | A461 Caprolactam | .0 | 8.40 | 113 | 24763 | 50.77 | ppb | | 94 |
| 37) | C465 4-Cl-3-mephenol | .2 | 8.54 | 107 | 95759 | 55.92 | ppb | | 97 |
| 38) | C470 2Methylnaphthalene | .4 | 8.77 | 142 | 187591 | 49.70 | ppb | | 99 |
| 40) | C510 Hexaclcypentadiene | .0 | 8.97 | 237 | 60660 | 58.71 | ppb | | 99 |
| 41) | C515 2,4,6-Triclphenol | .2 | 9.12 | 196 | 67480 | 53.20 | ppb | | 97 |
| 42) | C520 2,4,5-Triclphenol | .2 | 9.16 | 196 | 68598 | 51.01 | ppb | | 99 |
| 44) | A521 1,1'-Biphenyl | .0 | 9.35 | 154 | 194056 | 50.41 | ppb | # | 96 |
| 45) | C525 2Chloronaphthalene | .8 | 9.39 | 162 | 154957 | 48.27 | ppb | | 98 |
| 46) | C530 2-Nitroaniline | .0 | 9.50 | 65 | 51522 | 58.98 | ppb | | 99 |
| 47) | C540 Acenaphthylene | 1. | 9.92 | 152 | 253541 | 49.11 | ppb | | 99 |
| 48) | C535 Dimethylphthalate | .0 | 9.71 | 163 | 172112 | 52.08 | ppb | | 99 |
| 49) | C543 2,6-Dinitrotoluene | .2 | 9.79 | 165 | 37283 | 51.32 | ppb | | 91 |
| 50) | C550 Acenaphthene | .9 | 10.14 | 153 | 154324 | 48.67 | ppb | | 96 |
| 51) | C545 3-Nitroaniline | .0 | 10.02 | 138 | 37899 | 48.96 | ppb | | 99 |
| 52) | C555 2,4-Dinitrophenol | .0 | 10.14 | 184 | 26455 | 71.54 | ppb | | 100 |
| 53) | C565 Dibenzofuran | .8 | 10.36 | 168 | 202198 | 48.31 | ppb | | 98 |
| 54) | C570 2,4-Dinitrotoluene | .2 | 10.31 | 165 | 46146 | 50.06 | ppb | | 95 |
| 55) | C560 4-Nitrophenol | .0 | 10.20 | 109 | 32551 | 66.78 | ppb | | 100 |
| 56) | C590 Fluorene | .9 | 10.78 | 166 | 167083 | 47.45 | ppb | | 98 |
| 57) | C585 4-Clphenphen ether | .4 | 10.76 | 204 | 85709 | 50.08 | ppb | | 98 |

020035

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

Quantitation Report (QT Reviewed)

Data File : Q:\DATAB\103006\1030B02.D Vial: 3
Acq On : 30 Oct 2006 12:39 Operator:
Sample : 534-40-STD50 Inst : 5973N
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 30 16:12 2006 Quant Results File: B103006.RES

Quant Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Mon Oct 30 16:08:42 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC

| | Compound | | R.T. | QIon | Response | Conc | Unit | | Qvalue |
|---|---|---|---|---|---|---|---|---|---|
| 58) | C580 Diethylphthalate | .0 | 10.59 | 149 | 157235 | 54.87 | ppb | | 97 |
| 59) | C595 4-Nitroaniline | .0 | 10.79 | 138 | 35409 | 47.74 | ppb | # | 81 |
| 61) | D200 12Diphenylhydrazin | | 10.96 | 77 | 166186 | 58.76 | ppb | | 86 |
| 62) | C610 4,6-Din-2-mephenol | .0 | 10.83 | 198 | 34003 | 60.54 | ppb | | 100 |
| 63) | C615 N-Nitrosodiphamine | .0 | 10.91 | 169 | 108066 | 48.96 | ppb | | 97 |
| 65) | C625 4-Brphenphen ether | .1 | 11.38 | 248 | 37440 | 49.12 | ppb | | 95 |
| 66) | A626 Atrazine | .01 | 11.55 | 200 | 39608 | 49.38 | ppb | | 92 |
| 67) | C630 Hexachlorobenzene | .1 | 11.49 | 284 | 35688 | 46.42 | ppb | | 82 |
| 68) | C635 Pentachlorophenol | .0 | 11.72 | 266 | 30268 | 50.51 | ppb | | 99 |
| 69) | C647 Carbazole | .0 | 12.27 | 167 | 171794 | 46.64 | ppb | | 99 |
| 70) | C640 Phenanthrene | .7 | 12.01 | 178 | 219713 | 47.76 | ppb | | 99 |
| 71) | C645 Anthracene | .7 | 12.08 | 178 | 216927 | 47.24 | ppb | | 98 |
| 72) | C650 Di-n-butylphthalat | .0 | 12.68 | 149 | 252189 | 56.04 | ppb | | 99 |
| 73) | C655 Fluoranthene | .6 | 13.65 | 202 | 303188 | 48.53 | ppb | | 89 |
| 75) | C715 Pyrene | .6 | 13.98 | 202 | 314799 | 48.61 | ppb | | 87 |
| 77) | C720 Butylbenzylphthal | .0 | 14.86 | 149 | 180366 | 63.78 | ppb | | 94 |
| 78) | C725 3,3'-Diclbenzidine | .0 | 15.71 | 252 | 138963 | 58.08 | ppb | | 94 |
| 79) | C730 Benzo(a)anthracene | .8 | 15.78 | 228 | 377243 | 50.60 | ppb | | 99 |
| 80) | C735 Chrysene | .7 | 15.84 | 228 | 328504 | 48.92 | ppb | | 99 |
| 81) | C740 bis(2-Ethex)phthal | .0 | 15.71 | 149 | 272258 | 68.26 | ppb | | 95 |
| 83) | C760 Di-n-octylphthalat | .0 | 16.69 | 149 | 516119 | 69.74 | ppb | | 99 |
| 84) | C765 Bzo(b)fluoranthene | .7 | 17.37 | 252 | 486884 | 53.65 | ppb | | 96 |
| 85) | C770 Bzo(k)fluoranthene | .7 | 17.41 | 252 | 406590 | 51.64 | ppb | | 98 |
| 86) | C775 Benzo(a)pyrene | .7 | 17.86 | 252 | 398953 | 49.90 | ppb | | 96 |
| 87) | C780 Indeno(123-cd)pyre | .5 | 19.77 | 276 | 495135 | 53.74 | ppb | | 90 |
| 88) | C785 Dibz(ah)anthracene | .4 | 19.79 | 278 | 406588 | 53.33 | ppb | | 96 |
| 89) | C790 Bzo(g,h,i)perylene | .5 | 20.33 | 276 | 355453 | 51.21 | ppb | | 99 |

020036

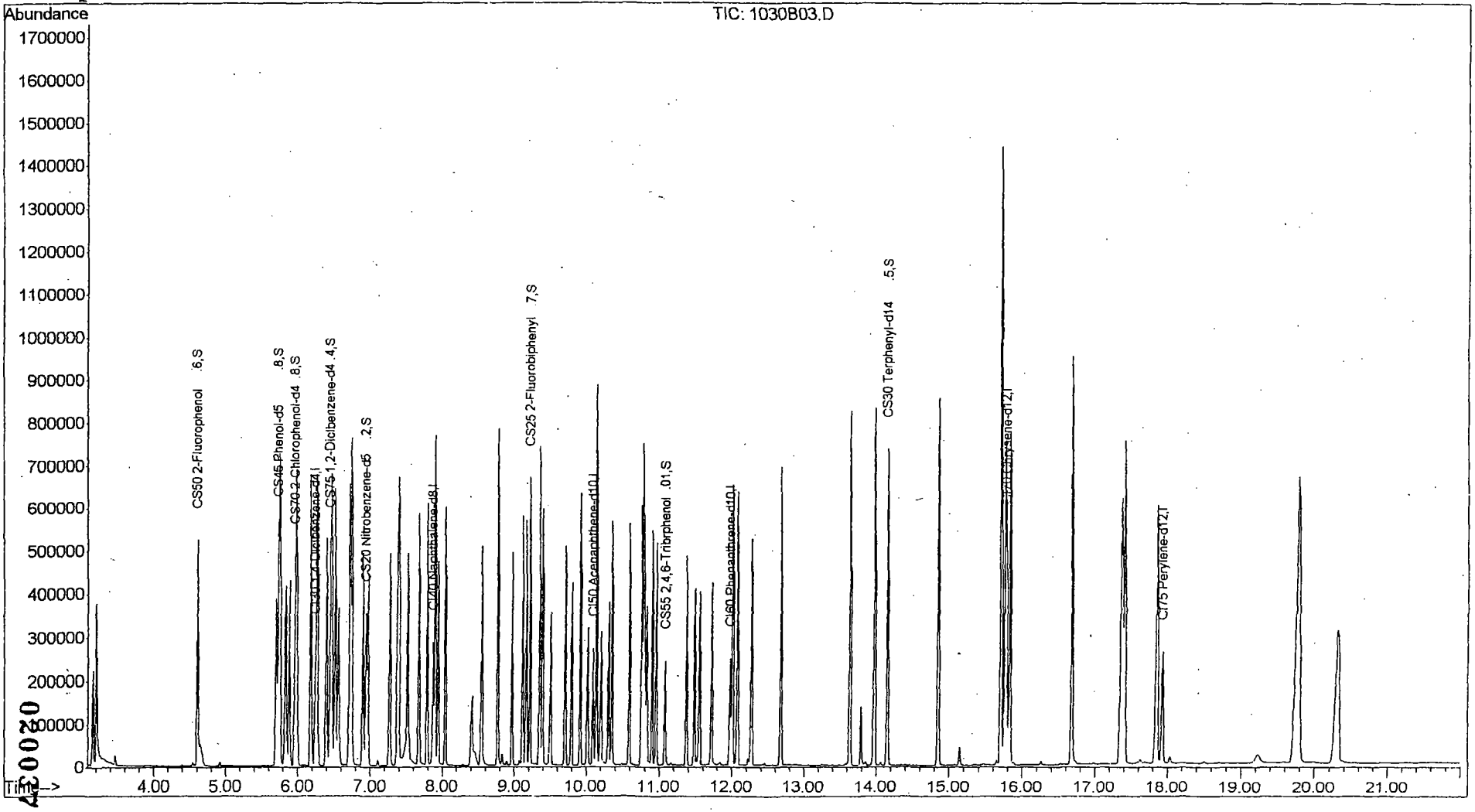
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : Q:\DATAB\103006\1030B03.D
Acq On : 30 Oct 2006 13:07
Sample : 534-40-STD60
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 30 16:13 2006

Vial: 4
Operator:
Inst : 5973N
Multiplr: 1.00
Quant Results File: B103006.RES

Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Mon Oct 30 16:23:33 2006
Response via : Initial Calibration




1030B03.D B103006.M Mon Oct 30 16:24:05 2006 Page 1

Quantitation Report (QT Reviewed)

Data File : Q:\DATAB\103006\1030B03.D Vial: 4
Acq On : 30 Oct 2006 13:07 Operator:
Sample : 534-40-STD60 Inst : 5973N
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 30 16:13 2006 Quant Results File: B103006.RES

Quant Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Mon Oct 30 16:08:42 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC
IS QA File : CC level for IS QA unknown. No recoveries calculated.

| Internal Standards | | R.T. | QIon | Response | Conc | Units | Dev(Min) Rcv(Ar ) |
|---|---|---|---|---|---|---|---|
| 1) CI30 1,4-Diclbenzene-d4 | | 6.24 | 152 | 49497 | 20.00 | ppb | -0.02 NA% |
| 23) CI40 Naphthalene-d8 | | 7.87 | 136 | 142522 | 20.00 | ppb | -0.02 NA% |
| 39) CI50 Acenaphthene-d10 | | 10.09 | 164 | 66611 | 20.00 | ppb | -0.02 NA% |
| 60) CI60 Phenanthrene-d10 | | 11.98 | 188 | 106693 | 20.00 | ppb | -0.02 NA% |
| 74) CI70 Chrysene-d12 | | 15.79 | 240 | 140352 | 20.00 | ppb | -0.02 NA% |
| 82) CI75 Perylene-d12 | | 17.94 | 264 | 124366 | 20.00 | ppb | -0.02 NA% |
| **System Monitoring Compounds** | | | | | | | |
| 4) CS50 2-Fluorophenol | .6 | 4.61 | 112 | 180866 | 65.32 | ppb | -0.02 |
| Spiked Amount 75.000 | Range 30 - 105 | | | Recovery = 87.09% | | | |
| 6) CS70 2-Chlorophenol-d4 | .8 | 5.96 | 132 | 168378 | 64.07 | ppb | -0.02 |
| Spiked Amount 75.000 | Range 33 - 110 | | | Recovery = 85.43% | | | |
| 9) CS45 Phenol-d5 | .8 | 5.73 | 99 | 217537 | 67.77 | ppb | 0.00 |
| Spiked Amount 75.000 | Range 30 - 107 | | | Recovery = 90.36% | | | |
| 14) CS75 1,2-Diclbenzene-d4 | .4 | 6.45 | 152 | 94019 | 57.20 | ppb | -0.02 |
| Spiked Amount 50.000 | Range 16 - 110 | | | Recovery = 114.40%# | | | |
| 24) CS20 Nitrobenzene-d5 | .2 | 6.94 | 82 | 156008 | 69.12 | ppb | -0.02 |
| Spiked Amount 50.000 | Range 30 - 115 | | | Recovery = 138.24%# | | | |
| 43) CS25 2-Fluorobiphenyl | .7 | 9.22 | 172 | 219817 | 60.02 | ppb | -0.02 |
| Spiked Amount 50.000 | Range 30 - 114 | | | Recovery = 120.04%# | | | |
| 64) CS55 2,4,6-Tribrphenol | .0 | 11.09 | 330 | 18440 | 59.52 | ppb | -0.02 |
| Spiked Amount 75.000 | Range 30 - 130 | | | Recovery = 79.36% | | | |
| 76) CS30 Terphenyl-d14 | .5 | 14.16 | 244 | 288538 | 74.91 | ppb | -0.03 |
| Spiked Amount 50.000 | Range 30 - 114 | | | Recovery = 149.82%# | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) C319 Pyridine | | 3.20 | 79 | 149226 | 56.03 | ppb | # 69 |
| 3) C310 N-Nitrosodimeamine | | 3.16 | 74 | 100861 | 61.15 | ppb | # 45 |
| 5) A311 Benzaldehyde | .0 | 5.70 | 77 | 114533 | 58.81 | ppb | 98 |
| 7) C320 Aniline | | 5.83 | 93 | 251799 | 63.58 | ppb | 100 |
| 8) C325 bis(2-Cleth)ether | .7 | 5.88 | 93 | 166529 | 62.81 | ppb | 99 |
| 10) C315 Phenol | .8 | 5.75 | 94 | 262141 | 65.67 | ppb | 85 |
| 11) C330 2-Chlorophenol | .8 | 5.98 | 128 | 197448 | 61.48 | ppb | 98 |

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

020038

Quantitation Report (QT Reviewed)

Data File : Q:\DATAB\103006\1030B03.D Vial: 4
Acq On : 30 Oct 2006 13:07 Operator:
Sample : 534-40-STD60 Inst : 5973N
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 30 16:13 2006 Quant Results File: B103006.RES

Quant Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Mon Oct 30 16:08:42 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC

| | Compound | R.T. | QIon | Response | Conc Unit | | Qvalue |
|---|---|---|---|---|---|---|---|
| 12) | C335 13-Dichlorobenzene .6 | 6.18 | 146 | 195233 | 62.21 ppb | | 99 |
| 13) | C340 14-Dichlorobenzene .5 | 6.26 | 146 | 184354 | 60.13 ppb | | 99 |
| 15) | C350 12-Dichlorobenzene .4 | 6.47 | 146 | 163149 | 58.36 ppb | | 99 |
| 16) | C345 Benzyl alcohol | 6.40 | 108 | 95622 | 62.84 ppb | | 94 |
| 17) | C357 bis(2-Clipr) ether .0 | 6.56 | 45 | 170711 | 62.34 ppb | | 99 |
| 18) | C355 2-Methylphenol .7 | 6.51 | 108 | 147855 | 59.72 ppb | | 97 |
| 19) | A356 Acetophenone .0 | 6.74 | 105 | 170999 | 62.39 ppb | | 91 |
| 20) | C375 Hexachloroethane .3 | 6.90 | 117 | 66474 | 61.52 ppb | | 84 |
| 21) | C370 N-Nitrosodinpramin .5 | 6.74 | 70 | 105552 | 65.49 ppb | | 83 |
| 22) | C365 3Mphenol/4Mphenol .6 | 6.72 | 108 | 152754 | 60.70 ppb | | 100 |
| 25) | C410 Nitrobenzene .2 | 6.97 | 77 | 154478 | 68.54 ppb | | 97 |
| 26) | C415 Isophorone .4 | 7.27 | 82 | 267190 | 72.47 ppb | | 98 |
| 27) | C420 2-Nitrophenol .1 | 7.37 | 139 | 87109 | 71.94 ppb | | 80 |
| 28) | C425 2,4-Dimethylphenol .2 | 7.39 | 107 | 159564 | 71.34 ppb | | 100 |
| 29) | C435 bis(2-Clethox)meth .3 | 7.51 | 93 | 151736 | 64.38 ppb | | 97 |
| 30) | C440 2,4-Dichlorophenol .2 | 7.67 | 162 | 131834 | 63.79 ppb | | 98 |
| 31) | C430 Benzoic acid | 7.53 | 122 | 43045 | 64.79 ppb | # | 50 |
| 32) | C445 1,2,4-Triclbenzene .2 | 7.79 | 180 | 121191 | 60.68 ppb | | 99 |
| 33) | C450 Naphthalene .7 | 7.90 | 128 | 371240 | 59.70 ppb | | 100 |
| 34) | C455 4-Chloroaniline .0 | 7.94 | 127 | 130723 | 59.03 ppb | | 97 |
| 35) | C460 Hexachlorobutadien .0 | 8.04 | 225 | 76479 | 61.87 ppb | | 99 |
| 36) | A461 Caprolactam .0 | 8.41 | 113 | 28170 | 57.49 ppb | | 95 |
| 37) | C465 4-Cl-3-mephenol .2 | 8.54 | 107 | 124737 | 72.51 ppb | | 98 |
| 38) | C470 2Methylnaphthalene .4 | 8.77 | 142 | 233170 | 61.50 ppb | | 98 |
| 40) | C510 Hexaclcypentadiene .0 | 8.97 | 237 | 78857 | 73.59 ppb | | 99 |
| 41) | C515 2,4,6-Triclphenol .2 | 9.12 | 196 | 89305 | 67.88 ppb | | 98 |
| 42) | C520 2,4,5-Triclphenol .2 | 9.16 | 196 | 92872 | 66.58 ppb | | 99 |
| 44) | A521 1,1'-Biphenyl .0 | 9.35 | 154 | 243106 | 60.89 ppb | # | 97 |
| 45) | C525 2Chloronaphthalene .8 | 9.39 | 162 | 190149 | 57.11 ppb | | 97 |
| 46) | C530 2-Nitroaniline .0 | 9.51 | 65 | 70726 | 78.06 ppb | | 97 |
| 47) | C540 Acenaphthylene 1. | 9.92 | 152 | 321800 | 60.10 ppb | | 99 |
| 48) | C535 Dimethylphthalate .0 | 9.71 | 163 | 242455 | 70.74 ppb | | 99 |
| 49) | C543 2,6-Dinitrotoluene .2 | 9.80 | 165 | 51654 | 68.56 ppb | | 93 |
| 50) | C550 Acenaphthene .9 | 10.14 | 153 | 196897 | 59.88 ppb | | 95 |
| 51) | C545 3-Nitroaniline .0 | 10.02 | 138 | 53937 | 67.19 ppb | | 98 |
| 52) | C555 2,4-Dinitrophenol .0 | 10.15 | 184 | 41527 | 108.28 ppb | | 100 |
| 53) | C565 Dibenzofuran .8 | 10.36 | 168 | 261802 | 60.31 ppb | | 96 |
| 54) | C570 2,4-Dinitrotoluene .2 | 10.31 | 165 | 69947 | 73.17 ppb | | 96 |
| 55) | C560 4-Nitrophenol .0 | 10.21 | 109 | 49364 | 97.64 ppb | | 100 |
| 56) | C590 Fluorene .9 | 10.78 | 166 | 223423 | 61.18 ppb | | 99 |
| 57) | C585 4-Clphenphen ether .4 | 10.76 | 204 | 117211 | 66.04 ppb | | 96 |

020039

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

Data File : Q:\DATAB\103006\1030B03.D Vial: 4
Acq On : 30 Oct 2006 13:07 Operator:
Sample : 534-40-STD60 Inst : 5973N
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 30 16:13 2006 Quant Results File: B103006.RES

Quant Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Mon Oct 30 16:08:42 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC

| | Compound | | R.T. | QIon | Response | Conc | Unit | | Qvalue |
|---|---|---|---|---|---|---|---|---|---|
| 58) | C580 Diethylphthalate | .0 | 10.59 | 149 | 229400 | 77.19 | ppb | | 97 |
| 59) | C595 4-Nitroaniline | .0 | 10.80 | 138 | 50185 | 65.24 | ppb | # | 72 |
| 61) | D200 12Diphenylhydrazin | | 10.96 | 77 | 218658 | 64.15 | ppb | | 85 |
| 62) | C610 4,6-Din-2-mephenol | .0 | 10.83 | 198 | 51706 | 76.38 | ppb | | 100 |
| 63) | C615 N-Nitrosodiphamine | .0 | 10.91 | 169 | 150265 | 56.49 | ppb | | 97 |
| 65) | C625 4-Brphenphen ether | .1 | 11.38 | 248 | 53769 | 58.53 | ppb | | 96 |
| 66) | A626 Atrazine | .01 | 11.56 | 200 | 60410 | 62.49 | ppb | | 93 |
| 67) | C630 Hexachlorobenzene | .1 | 11.49 | 284 | 52246 | 56.38 | ppb | | 85 |
| 68) | C635 Pentachlorophenol | .0 | 11.72 | 266 | 45522 | 63.03 | ppb | | 97 |
| 69) | C647 Carbazole | .0 | 12.27 | 167 | 255085 | 57.46 | ppb | | 99 |
| 70) | C640 Phenanthrene | .7 | 12.01 | 178 | 314330 | 56.69 | ppb | | 99 |
| 71) | C645 Anthracene | .7 | 12.08 | 178 | 307409 | 55.54 | ppb | | 99 |
| 72) | C650 Di-n-butylphthalat | .0 | 12.68 | 149 | 400391 | 73.82 | ppb | | 99 |
| 73) | C655 Fluoranthene | .6 | 13.65 | 202 | 485843 | 64.53 | ppb | | 88 |
| 75) | C715 Pyrene | .6 | 13.98 | 202 | 487733 | 68.95 | ppb | | 86 |
| 77) | C720 Butylbenzylphthal | .0 | 14.86 | 149 | 272118 | 88.08 | ppb | | 93 |
| 78) | C725 3,3'-Diclbenzidine | .0 | 15.71 | 252 | 188763 | 72.23 | ppb | | 94 |
| 79) | C730 Benzo(a)anthracene | .8 | 15.78 | 228 | 514497 | 63.18 | ppb | | 98 |
| 80) | C735 Chrysene | .7 | 15.84 | 228 | 419677 | 57.22 | ppb | | 99 |
| 81) | C740 bis(2-Ethex)phthal | .0 | 15.71 | 149 | 384065 | 88.15 | ppb | | 91 |
| 83) | C760 Di-n-octylphthalat | .0 | 16.69 | 149 | 640308 | 93.19 | ppb | | 99 |
| 84) | C765 Bzo(b)fluoranthene | .7 | 17.38 | 252 | 554555 | 65.81 | ppb | | 96 |
| 85) | C770 Bzo(k)fluoranthene | .7 | 17.42 | 252 | 459215 | 62.81 | ppb | | 96 |
| 86) | C775 Benzo(a)pyrene | .7 | 17.86 | 252 | 445803 | 60.06 | ppb | | 95 |
| 87) | C780 Indeno(123-cd)pyre | .5 | 19.78 | 276 | 544832 | 63.69 | ppb | | 89 |
| 88) | C785 Dibz(ah)anthracene | .4 | 19.80 | 278 | 448377 | 63.34 | ppb | | 96 |
| 89) | C790 Bzo(g,h,i)perylene | .5 | 20.33 | 276 | 398809 | 61.88 | ppb | | 98 |

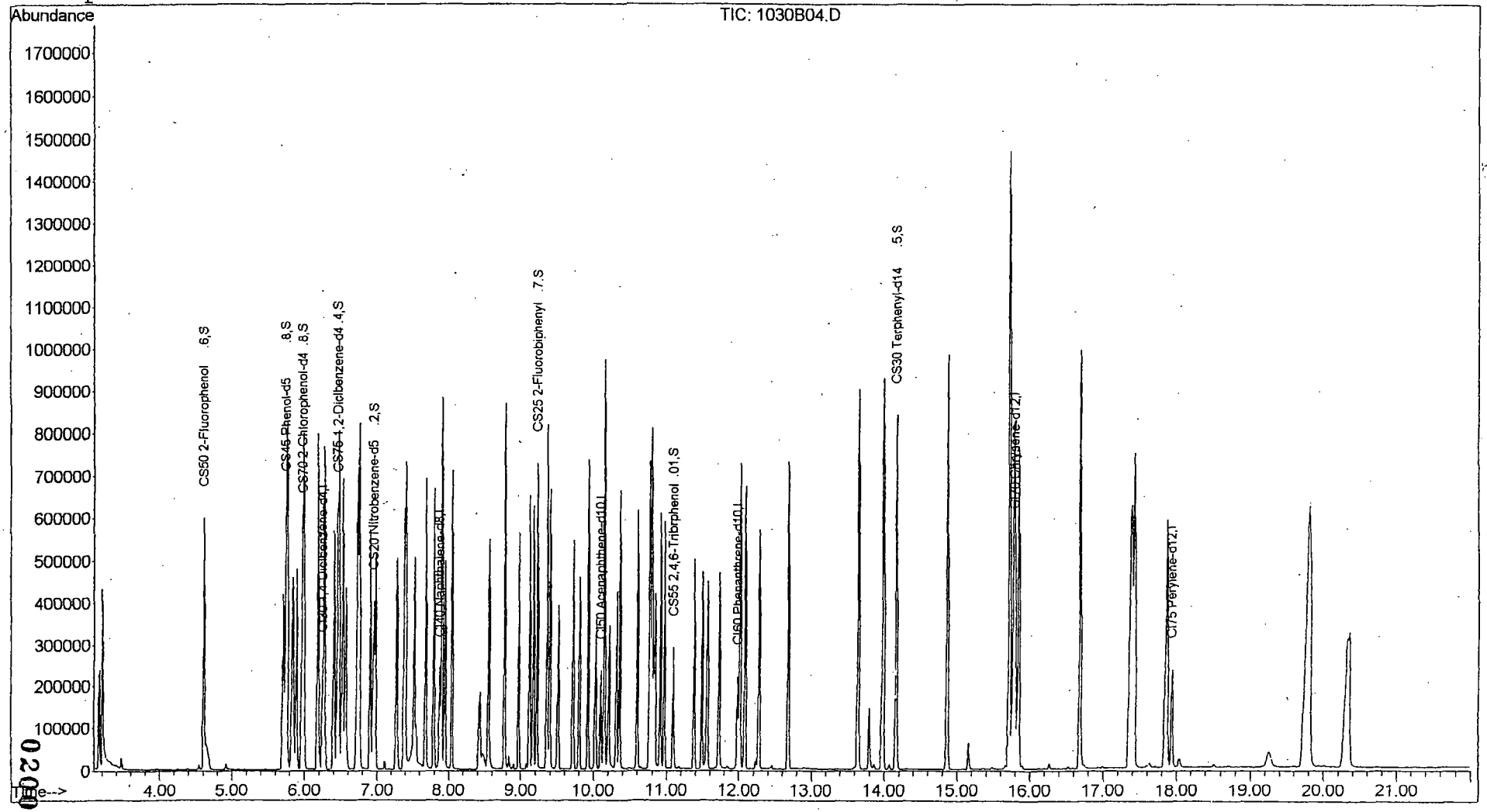
020040

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

Quantitation Report

Data File : Q:\DATAB\103006\1030B04.D Vial: 5
Acq On : 30 Oct 2006 13:34 Operator:
Sample : 534-40-STD80 Inst : 5973N
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 30 16:13 2006 Quant Results File: B103006.RES

Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Mon Oct 30 16:24:20 2006
Response via : Initial Calibration




1030B04.D B103006.M Mon Oct 30 16:24:53 2006 Page 1

Quantitation Report (QT Reviewed)

Data File : Q:\DATAB\103006\1030B04.D Vial: 5
Acq On : 30 Oct 2006 13:34 Operator:
Sample : 534-40-STD80 Inst : 5973N
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 30 16:13 2006 Quant Results File: B103006.RES

Quant Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Mon Oct 30 16:08:42 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC
IS QA File : CC level for IS QA unknown. No recoveries calculated.

| Internal Standards | | R.T. | QIon | Response | Conc | Units | Dev(Min) Rcv(Ar ) |
|---|---|---|---|---|---|---|---|
| 1) CI30 1,4-Diclbenzene-d4 | | 6.24 | 152 | 46162 | 20.00 | ppb | -0.02 NA% |
| 23) CI40 Naphthalene-d8 | | 7.87 | 136 | 125995 | 20.00 | ppb | -0.02 NA% |
| 39) CI50 Acenaphthene-d10 | | 10.09 | 164 | 59293 | 20.00 | ppb | -0.02 NA% |
| 60) CI60 Phenanthrene-d10 | | 11.98 | 188 | 93235 | 20.00 | ppb | -0.02 NA% |
| 74) CI70 Chrysene-d12 | | 15.80 | 240 | 128275 | 20.00 | ppb | -0.02 NA% |
| 82) CI75 Perylene-d12 | | 17.94 | 264 | 114039 | 20.00 | ppb | -0.02 NA% |
| **System Monitoring Compounds** | | | | | | | |
| 4) CS50 2-Fluorophenol | .6 | 4.61 | 112 | 215795 | 83.57 | ppb | -0.02 |
| Spiked Amount 75.000 | Range 30 - 105 | | | Recovery = 111.43%# | | | |
| 6) CS70 2-Chlorophenol-d4 | .8 | 5.96 | 132 | 202747 | 82.72 | ppb | -0.01 |
| Spiked Amount 75.000 | Range 33 - 110 | | | Recovery = 110.29%# | | | |
| 9) CS45 Phenol-d5 | .8 | 5.73 | 99 | 257814 | 86.12 | ppb | 0.00 |
| Spiked Amount 75.000 | Range 30 - 107 | | | Recovery = 114.83%# | | | |
| 14) CS75 1,2-Diclbenzene-d4 | .4 | 6.45 | 152 | 112865 | 73.63 | ppb | -0.02 |
| Spiked Amount 50.000 | Range 16 - 110 | | | Recovery = 147.26%# | | | |
| 24) CS20 Nitrobenzene-d5 | .2 | 6.95 | 82 | 181503 | 90.96 | ppb | -0.01 |
| Spiked Amount 50.000 | Range 30 - 115 | | | Recovery = 181.92%# | | | |
| 43) CS25 2-Fluorobiphenyl | .7 | 9.22 | 172 | 249882 | 76.65 | ppb | -0.02 |
| Spiked Amount 50.000 | Range 30 - 114 | | | Recovery = 153.30%# | | | |
| 64) CS55 2,4,6-Tribrphenol | .0 | 11.09 | 330 | 21596 | 79.77 | ppb | -0.02 |
| Spiked Amount 75.000 | Range 30 - 130 | | | Recovery = 106.36% | | | |
| 76) CS30 Terphenyl-d14 | .5 | 14.16 | 244 | 338369 | 96.12 | ppb | -0.02 |
| Spiked Amount 50.000 | Range 30 - 114 | | | Recovery = 192.24%# | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) C319 Pyridine | | 3.20 | 79 | 209046 | 84.15 | ppb | 97 |
| 3) C310 N-Nitrosodimeamine | | 3.16 | 74 | 112434 | 73.09 | ppb | # 41 |
| 5) A311 Benzaldehyde | .0 | 5.70 | 77 | 129508 | 71.30 | ppb | 99 |
| 7) C320 Aniline | | 5.83 | 93 | 297768 | 80.62 | ppb | 100 |
| 8) C325 bis(2-Cleth)ether | .7 | 5.89 | 93 | 198587 | 80.32 | ppb | 99 |
| 10) C315 Phenol | .8 | 5.76 | 94 | 308230 | 82.80 | ppb | 85 |
| 11) C330 2-Chlorophenol | .8 | 5.99 | 128 | 239052 | 79.81 | ppb | 99 |

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



020042

Quantitation Report (QT Reviewed)

Data File : Q:\DATAB\103006\1030B04.D Vial: 5
Acq On : 30 Oct 2006 13:34 Operator:
Sample : 534-40-STD80 Inst : 5973N
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 30 16:13 2006 Quant Results File: B103006.RES

Quant Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Mon Oct 30 16:08:42 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC

| | Compound | R.T. | QIon | Response | Conc | Unit | | Qvalue |
|---|---|---|---|---|---|---|---|---|
| 12) | C335 13-Dichlorobenzene .6 | 6.18 | 146 | 232081 | 79.30 | ppb | | 99 |
| 13) | C340 14-Dichlorobenzene .5 | 6.27 | 146 | 219986 | 76.94 | ppb | | 99 |
| 15) | C350 12-Dichlorobenzene .4 | 6.47 | 146 | 188753 | 72.40 | ppb | | 99 |
| 16) | C345 Benzyl alcohol | 6.40 | 108 | 111136 | 78.32 | ppb | | 93 |
| 17) | C357 bis(2-Clipr) ether .0 | 6.56 | 45 | 199097 | 77.96 | ppb | | 97 |
| 18) | C355 2-Methylphenol .7 | 6.52 | 108 | 166962 | 72.31 | ppb | | 95 |
| 19) | A356 Acetophenone .0 | 6.74 | 105 | 203169 | 79.48 | ppb | # | 67 |
| 20) | C375 Hexachloroethane .3 | 6.90 | 117 | 76958 | 76.37 | ppb | | 82 |
| 21) | C370 N-Nitrosodinpramin .5 | 6.76 | 70 | 121959 | 81.14 | ppb | | 83 |
| 22) | C365 3Mphenol/4Mphenol .6 | 6.72 | 108 | 174734 | 74.45 | ppb | | 100 |
| 25) | C410 Nitrobenzene .2 | 6.97 | 77 | 179920 | 90.30 | ppb | | 97 |
| 26) | C415 Isophorone .4 | 7.27 | 82 | 305550 | 93.75 | ppb | | 97 |
| 27) | C420 2-Nitrophenol .1 | 7.37 | 139 | 99339 | 92.80 | ppb | | 79 |
| 28) | C425 2,4-Dimethylphenol .2 | 7.40 | 107 | 182345 | 92.22 | ppb | | 99 |
| 29) | C435 bis(2-Clethox)meth .3 | 7.52 | 93 | 174101 | 83.55 | ppb | | 97 |
| 30) | C440 2,4-Dichlorophenol .2 | 7.67 | 162 | 153767 | 84.16 | ppb | | 98 |
| 31) | C430 Benzoic acid | 7.55 | 122 | 54025 | 91.99 | ppb | # | 49 |
| 32) | C445 1,2,4-Triclbenzene .2 | 7.79 | 180 | 139819 | 79.19 | ppb | | 97 |
| 33) | C450 Naphthalene .7 | 7.90 | 128 | 419972 | 76.40 | ppb | | 100 |
| 34) | C455 4-Chloroaniline .0 | 7.95 | 127 | 148247 | 75.72 | ppb | | 100 |
| 35) | C460 Hexachlorobutadien .0 | 8.04 | 225 | 90610 | 82.92 | ppb | | 98 |
| 36) | A461 Caprolactam .0 | 8.43 | 113 | 32251 | 74.45 | ppb | | 95 |
| 37) | C465 4-Cl-3-mephenol .2 | 8.55 | 107 | 148245 | 97.48 | ppb | | 96 |
| 38) | C470 2Methylnaphthalene .4 | 8.77 | 142 | 264754 | 78.99 | ppb | | 98 |
| 40) | C510 Hexaclcypentadiene .0 | 8.97 | 237 | 93541 | 98.06 | ppb | | 98 |
| 41) | C515 2,4,6-Triclphenol .2 | 9.12 | 196 | 102163 | 87.24 | ppb | | 99 |
| 42) | C520 2,4,5-Triclphenol .2 | 9.17 | 196 | 107179 | 86.32 | ppb | | 99 |
| 44) | A521 1,1'-Biphenyl .0 | 9.36 | 154 | 272518 | 76.68 | ppb | # | 95 |
| 45) | C525 2Chloronaphthalene .8 | 9.39 | 162 | 216964 | 73.21 | ppb | | 97 |
| 46) | C530 2-Nitroaniline .0 | 9.51 | 65 | 79214 | 98.22 | ppb | | 98 |
| 47) | C540 Acenaphthylene 1. | 9.92 | 152 | 360283 | 75.59 | ppb | | 98 |
| 48) | C535 Dimethylphthalate .0 | 9.71 | 163 | 274483 | 89.97 | ppb | | 99 |
| 49) | C543 2,6-Dinitrotoluene .2 | 9.80 | 165 | 60239 | 89.82 | ppb | | 91 |
| 50) | C550 Acenaphthene .9 | 10.14 | 153 | 225186 | 76.93 | ppb | | 95 |
| 51) | C545 3-Nitroaniline .0 | 10.02 | 138 | 62812 | 87.90 | ppb | | 99 |
| 52) | C555 2,4-Dinitrophenol .0 | 10.15 | 184 | 49891 | 146.14 | ppb | | 100 |
| 53) | C565 Dibenzofuran .8 | 10.36 | 168 | 293356 | 75.92 | ppb | | 97 |
| 54) | C570 2,4-Dinitrotoluene .2 | 10.31 | 165 | 79483 | 93.41 | ppb | | 97 |
| 55) | C560 4-Nitrophenol .0 | 10.21 | 109 | 58498 | 129.99 | ppb | | 100 |
| 56) | C590 Fluorene .9 | 10.79 | 166 | 249350 | 76.71 | ppb | | 98 |
| 57) | C585 4-Clphenphen ether .4 | 10.76 | 204 | 138568 | 87.70 | ppb | | 94 |

020043

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

Quantitation Report (QT Reviewed)

Data File : Q:\DATAB\103006\1030B04.D Vial: 5
Acq On : 30 Oct 2006 13:34 Operator:
Sample : 534-40-STD80 Inst : 5973N
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 30 16:13 2006 Quant Results File: B103006.RES

Quant Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Mon Oct 30 16:08:42 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC

| | Compound | | R.T. | QIon | Response | Conc | Unit | | Qvalue |
|---|---|---|---|---|---|---|---|---|---|
| 58) | C580 Diethylphthalate | .0 | 10.60 | 149 | 262776 | 99.34 | ppb | | 97 |
| 59) | C595 4-Nitroaniline | .0 | 10.81 | 138 | 56630 | 82.71 | ppb | # | 72 |
| 61) | D200 12Diphenylhydrazin | | 10.96 | 77 | 242976 | 81.57 | ppb | | 82 |
| 62) | C610 4,6-Din-2-mephenol | .0 | 10.84 | 198 | 62583 | 105.79 | ppb | | 100 |
| 63) | C615 N-Nitrosodiphamine | .0 | 10.91 | 169 | 168237 | 72.37 | ppb | | 99 |
| 65) | C625 4-Brphenphen ether | .1 | 11.38 | 248 | 63934 | 79.64 | ppb | | 98 |
| 66) | A626 Atrazine | .01 | 11.56 | 200 | 69642 | 82.44 | ppb | | 94 |
| 67) | C630 Hexachlorobenzene | .1 | 11.49 | 284 | 60927 | 75.24 | ppb | | 88 |
| 68) | C635 Pentachlorophenol | .0 | 11.72 | 266 | 52791 | 83.65 | ppb | | 97 |
| 69) | C647 Carbazole | .0 | 12.28 | 167 | 287086 | 74.01 | ppb | | 98 |
| 70) | C640 Phenanthrene | .7 | 12.02 | 178 | 355081 | 73.28 | ppb | | 100 |
| 71) | C645 Anthracene | .7 | 12.09 | 178 | 350258 | 72.42 | ppb | | 99 |
| 72) | C650 Di-n-butylphthalat | .0 | 12.68 | 149 | 455188 | 96.04 | ppb | | 99 |
| 73) | C655 Fluoranthene | .6 | 13.65 | 202 | 575877 | 87.53 | ppb | | 88 |
| 75) | C715 Pyrene | .6 | 13.99 | 202 | 577220 | 89.29 | ppb | | 85 |
| 77) | C720 Butylbenzylphthal | .0 | 14.86 | 149 | 320862 | 113.64 | ppb | | 90 |
| 78) | C725 3,3'-Diclbenzidine | .0 | 15.72 | 252 | 212137 | 88.81 | ppb | | 96 |
| 79) | C730 Benzo(a)anthracene | .8 | 15.78 | 228 | 601091 | 80.76 | ppb | | 99 |
| 80) | C735 Chrysene | .7 | 15.85 | 228 | 487121 | 72.66 | ppb | | 99 |
| 81) | C740 bis(2-Ethex)phthal | .0 | 15.72 | 149 | 445602 | 111.90 | ppb | | 93 |
| 83) | C760 Di-n-octylphthalat | .0 | 16.69 | 149 | 736769 | 116.94 | ppb | | 99 |
| 84) | C765 Bzo(b)fluoranthene | .7 | 17.38 | 252 | 701735 | 90.82 | ppb | | 96 |
| 85) | C770 Bzo(k)fluoranthene | .7 | 17.43 | 252 | 479200 | 71.48 | ppb | | 96 |
| 86) | C775 Benzo(a)pyrene | .7 | 17.87 | 252 | 510414 | 74.99 | ppb | | 96 |
| 87) | C780 Indeno(123-cd)pyre | .5 | 19.79 | 276 | 627835 | 80.04 | ppb | | 89 |
| 88) | C785 Dibz(ah)anthracene | .4 | 19.81 | 278 | 510106 | 78.58 | ppb | | 97 |
| 89) | C790 Bzo(g,h,i)perylene | .5 | 20.35 | 276 | 455968 | 77.15 | ppb | | 97 |

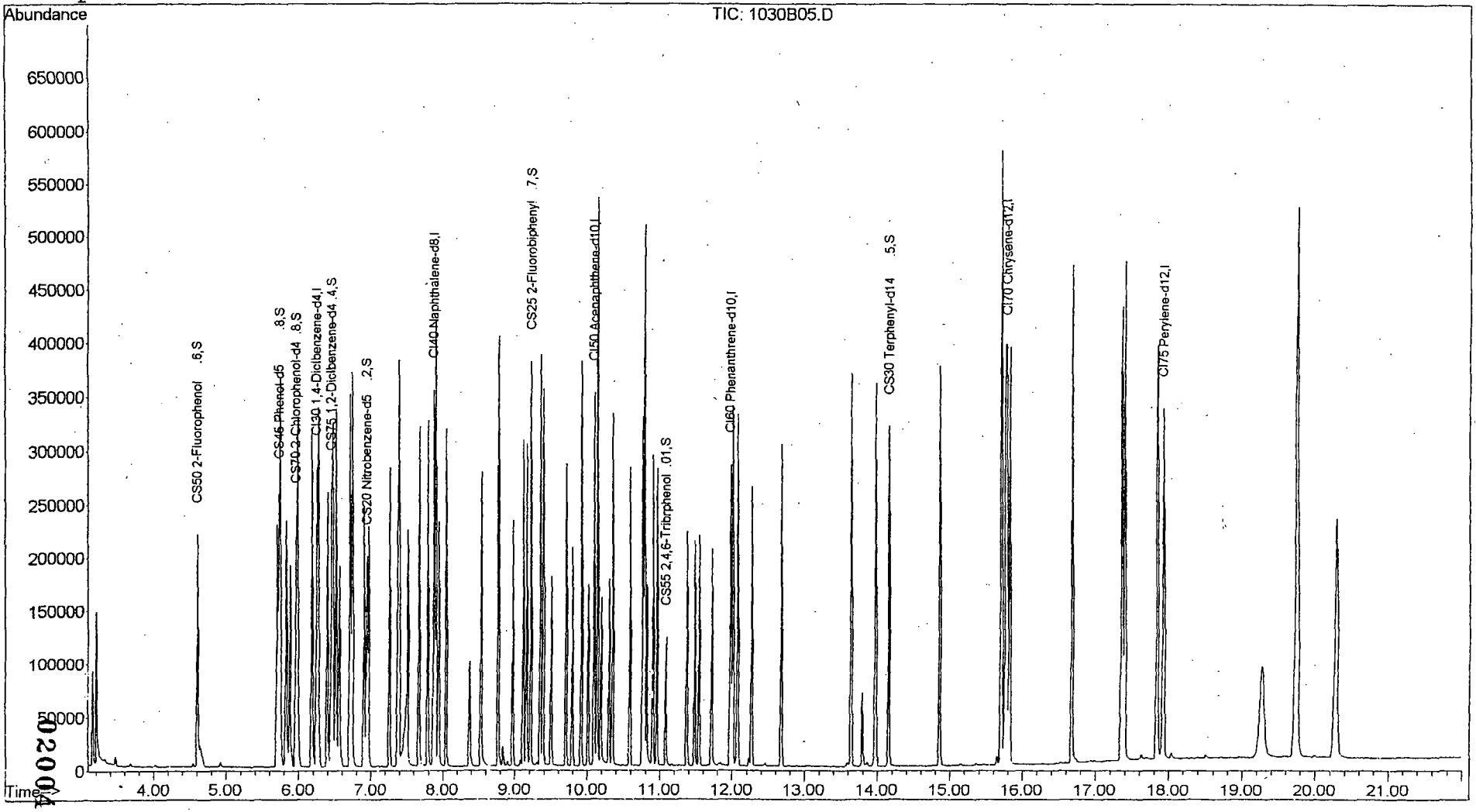
020044

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

Quantitation Report

Data File : Q:\DATAB\103006\1030B05.D Vial: 6
Acq On : 30 Oct 2006 14:03 Operator:
Sample : 534-40-STD25 Inst : 5973N
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 30 16:13 2006 Quant Results File: B103006.RES

Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Mon Oct 30 16:25:09 2006
Response via : Initial Calibration




020045

Quantitation Report (QT Reviewed)

Data File : Q:\DATAB\103006\1030B05.D Vial: 6
Acq On : 30 Oct 2006 14:03 Operator:
Sample : 534-40-STD25 Inst : 5973N
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 30 16:13 2006 Quant Results File: B103006.RES

Quant Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Mon Oct 30 16:08:42 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC
IS QA File : CC level for IS QA unknown. No recoveries calculated.

| Internal Standards | | R.T. | QIon | Response | Conc | Units | Dev(Min) Rcv(Ar ) |
|---|---|---|---|---|---|---|---|
| 1) CI30 1,4-Diclbenzene-d4 | | 6.24 | 152 | 53709 | 20.00 | ppb | -0.02 NA% |
| 23) CI40 Naphthalene-d8 | | 7.87 | 136 | 177330 | 20.00 | ppb | -0.02 NA% |
| 39) CI50 Acenaphthene-d10 | | 10.09 | 164 | 84389 | 20.00 | ppb | -0.02 NA% |
| 60) CI60 Phenanthrene-d10 | | 11.97 | 188 | 118499 | 20.00 | ppb | -0.02 NA% |
| 74) CI70 Chrysene-d12 | | 15.79 | 240 | 137869 | 20.00 | ppb | -0.03 NA% |
| 82) CI75 Perylene-d12 | | 17.93 | 264 | 158087 | 20.00 | ppb | -0.03 NA% |
| **System Monitoring Compounds** | | | | | | | |
| 4) CS50 2-Fluorophenol | .6 | 4.61 | 112 | 73191 | 24.36 | ppb | -0.02 |
| Spiked Amount 75.000 | Range 30 - 105 | | | Recovery = 32.48% | | | |
| 6) CS70 2-Chlorophenol-d4 | .8 | 5.96 | 132 | 74707 | 26.20 | ppb | -0.02 |
| Spiked Amount 75.000 | Range 33 - 110 | | | Recovery = 34.93% | | | |
| 9) CS45 Phenol-d5 | .8 | 5.72 | 99 | 93136 | 26.74 | ppb | -0.01 |
| Spiked Amount 75.000 | Range 30 - 107 | | | Recovery = 35.65% | | | |
| 14) CS75 1,2-Diclbenzene-d4 | .4 | 6.45 | 152 | 45335 | 25.42 | ppb | -0.02 |
| Spiked Amount 50.000 | Range 16 - 110 | | | Recovery = 50.84% | | | |
| 24) CS20 Nitrobenzene-d5 | .2 | 6.94 | 82 | 78690 | 28.02 | ppb | -0.02 |
| Spiked Amount 50.000 | Range 30 - 115 | | | Recovery = 56.04% | | | |
| 43) CS25 2-Fluorobiphenyl | .7 | 9.22 | 172 | 119822 | 25.82 | ppb | -0.02 |
| Spiked Amount 50.000 | Range 30 - 114 | | | Recovery = 51.64% | | | |
| 64) CS55 2,4,6-Tribrphenol | .0 | 11.08 | 330 | 8958 | 26.04 | ppb | -0.02 |
| Spiked Amount 75.000 | Range 30 - 130 | | | Recovery = 34.72% | | | |
| 76) CS30 Terphenyl-d14 | .5 | 14.15 | 244 | 108438 | 28.66 | ppb | -0.03 |
| Spiked Amount 50.000 | Range 30 - 114 | | | Recovery = 57.32% | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) C319 Pyridine | | 3.20 | 79 | 57542 | 19.91 | ppb | 82 |
| 3) C310 N-Nitrosodimeamine | | 3.15 | 74 | 34119 | 19.06 | ppb | # 29 |
| 5) A311 Benzaldehyde | .0 | 5.70 | 77 | 62975 | 29.80 | ppb | 99 |
| 7) C320 Aniline | | 5.83 | 93 | 112011 | 26.07 | ppb | 99 |
| 8) C325 bis(2-Cleth)ether | .7 | 5.88 | 93 | 74284 | 25.82 | ppb | 100 |
| 10) C315 Phenol | .8 | 5.74 | 94 | 115120 | 26.58 | ppb | 84 |
| 11) C330 2-Chlorophenol | .8 | 5.98 | 128 | 90963 | 26.10 | ppb | 97 |

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

Quantitation Report (QT Reviewed)

Data File : Q:\DATAB\103006\1030B05.D Vial: 6
Acq On : 30 Oct 2006 14:03 Operator:
Sample : 534-40-STD25 Inst : 5973N
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 30 16:13 2006 Quant Results File: B103006.RES

Quant Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Mon Oct 30 16:08:42 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC

| | Compound | | R.T. | QIon | Response | Conc | Unit | | Qvalue |
|---|---|---|---|---|---|---|---|---|---|
| 12) | C335 13-Dichlorobenzene | .6 | 6.18 | 146 | 89685 | 26.34 | ppb | | 99 |
| 13) | C340 14-Dichlorobenzene | .5 | 6.26 | 146 | 87095 | 26.18 | ppb | | 98 |
| 15) | C350 12-Dichlorobenzene | .4 | 6.47 | 146 | 79258 | 26.13 | ppb | | 99 |
| 16) | C345 Benzyl alcohol | | 6.39 | 108 | 44169 | 26.75 | ppb | | 95 |
| 17) | C357 bis(2-Clipr) ether | .0 | 6.56 | 45 | 83270 | 28.02 | ppb | | 99 |
| 18) | C355 2-Methylphenol | .7 | 6.51 | 108 | 73954 | 27.53 | ppb | | 97 |
| 19) | A356 Acetophenone | .0 | 6.74 | 105 | 82738 | 27.82 | ppb | # | 95 |
| 20) | C375 Hexachloroethane | .3 | 6.90 | 117 | 33027 | 28.17 | ppb | | 84 |
| 21) | C370 N-Nitrosodinpramin | .5 | 6.73 | 70 | 51981 | 29.72 | ppb | | 85 |
| 22) | C365 3Mphenol/4Mphenol | .6 | 6.70 | 108 | 75027 | 27.48 | ppb | | 100 |
| 25) | C410 Nitrobenzene | .2 | 6.96 | 77 | 79337 | 28.29 | ppb | | 96 |
| 26) | C415 Isophorone | .4 | 7.26 | 82 | 127459 | 27.78 | ppb | | 97 |
| 27) | C420 2-Nitrophenol | .1 | 7.37 | 139 | 43241 | 28.70 | ppb | | 83 |
| 28) | C425 2,4-Dimethylphenol | .2 | 7.39 | 107 | 78441 | 28.19 | ppb | | 97 |
| 29) | C435 bis(2-Clethox)meth | .3 | 7.51 | 93 | 76485 | 26.08 | ppb | | 98 |
| 30) | C440 2,4-Dichlorophenol | .2 | 7.67 | 162 | 67367 | 26.20 | ppb | | 98 |
| 31) | C430 Benzoic acid | | 7.49 | 122 | 25216 | 30.51 | ppb | | 92 |
| 32) | C445 1,2,4-Triclbenzene | .2 | 7.79 | 180 | 62892 | 25.31 | ppb | | 98 |
| 33) | C450 Naphthalene | .7 | 7.89 | 128 | 201310 | 26.02 | ppb | | 100 |
| 34) | C455 4-Chloroaniline | .0 | 7.94 | 127 | 69778 | 25.32 | ppb | | 100 |
| 35) | C460 Hexachlorobutadien | .0 | 8.04 | 225 | 40397 | 26.27 | ppb | | 98 |
| 36) | A461 Caprolactam | .0 | 8.37 | 113 | 15838 | 25.98 | ppb | | 86 |
| 37) | C465 4-Cl-3-mephenol | .2 | 8.53 | 107 | 62596 | 29.24 | ppb | | 98 |
| 38) | C470 2Methylnaphthalene | .4 | 8.77 | 142 | 123695 | 26.22 | ppb | | 99 |
| 40) | C510 Hexaclcypentadiene | .0 | 8.97 | 237 | 36688 | 27.02 | ppb | | 99 |
| 41) | C515 2,4,6-Triclphenol | .2 | 9.11 | 196 | 43389 | 26.03 | ppb | | 98 |
| 42) | C520 2,4,5-Triclphenol | .2 | 9.16 | 196 | 45613 | 25.81 | ppb | | 98 |
| 44) | A521 1,1'-Biphenyl | .0 | 9.35 | 154 | 128961 | 25.50 | ppb | # | 96 |
| 45) | C525 2Chloronaphthalene | .8 | 9.39 | 162 | 106957 | 25.36 | ppb | | 98 |
| 46) | C530 2-Nitroaniline | .0 | 9.50 | 65 | 33139 | 28.87 | ppb | | 96 |
| 47) | C540 Acenaphthylene | 1. | 9.92 | 152 | 177177 | 26.12 | ppb | | 100 |
| 48) | C535 Dimethylphthalate | .0 | 9.70 | 163 | 117086 | 26.96 | ppb | | 99 |
| 49) | C543 2,6-Dinitrotoluene | .2 | 9.79 | 165 | 25174 | 26.37 | ppb | | 88 |
| 50) | C550 Acenaphthene | .9 | 10.14 | 153 | 106887 | 25.66 | ppb | | 96 |
| 51) | C545 3-Nitroaniline | .0 | 10.01 | 138 | 26301 | 25.86 | ppb | | 97 |
| 52) | C555 2,4-Dinitrophenol | .0 | 10.14 | 184 | 17993 | 37.03 | ppb | | 100 |
| 53) | C565 Dibenzofuran | .8 | 10.35 | 168 | 140287 | 25.51 | ppb | | 100 |
| 54) | C570 2,4-Dinitrotoluene | .2 | 10.30 | 165 | 31078 | 25.66 | ppb | | 91 |
| 55) | C560 4-Nitrophenol | .0 | 10.19 | 109 | 19929 | 31.12 | ppb | | 100 |
| 56) | C590 Fluorene | .9 | 10.78 | 166 | 116986 | 25.29 | ppb | | 98 |
| 57) | C585 4-Clphenphen ether | .4 | 10.76 | 204 | 57238 | 25.45 | ppb | | 97 |

020047

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

Data File : Q:\DATAB\103006\1030B05.D Vial: 6
Acq On : 30 Oct 2006 14:03 Operator:
Sample : 534-40-STD25 Inst : 5973N
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 30 16:13 2006 Quant Results File: B103006.RES

Quant Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Mon Oct 30 16:08:42 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC

| | Compound | | R.T. | QIon | Response | Conc | Unit | Qvalue |
|---|---|---|---|---|---|---|---|---|
| 58) | C580 Diethylphthalate | .0 | 10.59 | 149 | 107215 | 28.48 | ppb | 98 |
| 59) | C595 4-Nitroaniline | .0 | 10.78 | 138 | 24436 | 25.07 | ppb | 88 |
| 61) | D200 12Diphenylhydrazin | | 10.96 | 77 | 114404 | 30.22 | ppb | 88 |
| 62) | C610 4,6-Din-2-mephenol | .0 | 10.82 | 198 | 21964 | 29.21 | ppb | 100 |
| 63) | C615 N-Nitrosodiphamine | .0 | 10.90 | 169 | 75501 | 25.55 | ppb | 98 |
| 65) | C625 4-Brphenphen ether | .1 | 11.38 | 248 | 25477 | 24.97 | ppb | 96 |
| 66) | A626 Atrazine | .01 | 11.54 | 200 | 28641 | 26.68 | ppb | 93 |
| 67) | C630 Hexachlorobenzene | .1 | 11.48 | 284 | 24423 | 23.73 | ppb | 83 |
| 68) | C635 Pentachlorophenol | .0 | 11.72 | 266 | 19981 | 24.91 | ppb | 98 |
| 69) | C647 Carbazole | .0 | 12.27 | 167 | 121354 | 24.61 | ppb | 99 |
| 70) | C640 Phenanthrene | .7 | 12.01 | 178 | 151605 | 24.62 | ppb | 100 |
| 71) | C645 Anthracene | .7 | 12.08 | 178 | 152847 | 24.87 | ppb | 99 |
| 72) | C650 Di-n-butylphthalat | .0 | 12.67 | 149 | 173861 | 28.86 | ppb | 99 |
| 73) | C655 Fluoranthene | .6 | 13.64 | 202 | 189030 | 22.61 | ppb | 90 |
| 75) | C715 Pyrene | .6 | 13.98 | 202 | 196624 | 28.30 | ppb | 88 |
| 77) | C720 Butylbenzylphthal | .0 | 14.85 | 149 | 102344 | 33.72 | ppb | 94 |
| 78) | C725 3,3'-Diclbenzidine | .0 | 15.70 | 252 | 68053 | 26.51 | ppb | 96 |
| 79) | C730 Benzo(a)anthracene | .8 | 15.77 | 228 | 203399 | 25.43 | ppb | 100 |
| 80) | C735 Chrysene | .7 | 15.83 | 228 | 181718 | 25.22 | ppb | 99 |
| 81) | C740 bis(2-Ethex)phthal | .0 | 15.71 | 149 | 155725 | 36.38 | ppb | 96 |
| 83) | C760 Di-n-octylphthalat | .0 | 16.68 | 149 | 287321 | 32.90 | ppb | 99 |
| 84) | C765 Bzo(b)fluoranthene | .7 | 17.36 | 252 | 248089 | 23.16 | ppb | 97 |
| 85) | C770 Bzo(k)fluoranthene | .7 | 17.40 | 252 | 232329 | 25.00 | ppb | 97 |
| 86) | C775 Benzo(a)pyrene | .7 | 17.84 | 252 | 228594 | 24.23 | ppb | 97 |
| 87) | C780 Indeno(123-cd)pyre | .5 | 19.74 | 276 | 274520 | 25.25 | ppb | 93 |
| 88) | C785 Dibz(ah)anthracene | .4 | 19.75 | 278 | 231189 | 25.69 | ppb | 97 |
| 89) | C790 Bzo(g,h,i)perylene | .5 | 20.29 | 276 | 215041 | 26.25 | ppb | 98 |

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

020048

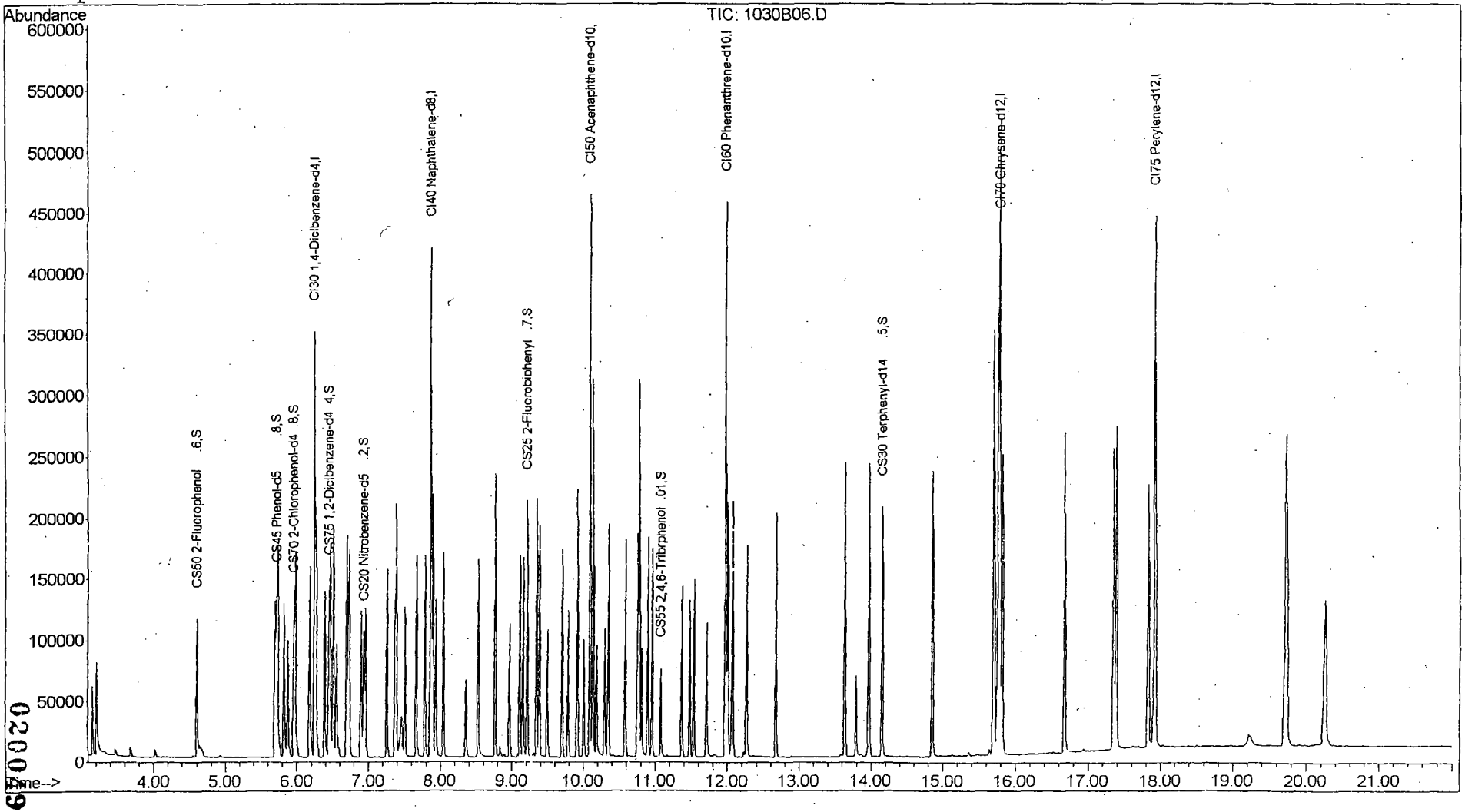
Quantitation Report

Data File : Q:\DATAB\103006\1030B06.D
Acq On : 30 Oct 2006 14:33
Sample : 534-40-STD10
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 30 16:14 2006

Vial: 7
Operator:
Inst : 5973N
Multiplr: 1.00

Quant Results File: B103006.RES

Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Mon Oct 30 16:25:53 2006
Response via : Initial Calibration




60020

Quantitation Report (QT Reviewed)

Data File : Q:\DATAB\103006\1030B06.D Vial: 7
Acq On : 30 Oct 2006 14:33 Operator:
Sample : 534-40-STD10 Inst : 5973N
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 30 16:14 2006 Quant Results File: B103006.RES

Quant Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Mon Oct 30 16:08:42 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC
IS QA File : CC level for IS QA unknown. No recoveries calculated.

| Internal Standards | | R.T. | QIon | Response | Conc | Units | Dev(Min) Rcv(Ar ) |
|---|---|---|---|---|---|---|---|
| 1) CI30 1,4-Diclbenzene-d4 | | 6.24 | 152 | 66942 | 20.00 | ppb | -0.02 NA% |
| 23) CI40 Naphthalene-d8 | | 7.86 | 136 | 227895 | 20.00 | ppb | -0.02 NA% |
| 39) CI50 Acenaphthene-d10 | | 10.09 | 164 | 120311 | 20.00 | ppb | -0.03 NA% |
| 60) CI60 Phenanthrene-d10 | | 11.97 | 188 | 182156 | 20.00 | ppb | -0.02 NA% |
| 74) CI70 Chrysene-d12 | | 15.78 | 240 | 208202 | 20.00 | ppb | -0.03 NA% |
| 82) CI75 Perylene-d12 | | 17.92 | 264 | 208565 | 20.00 | ppb | -0.04 NA% |
| **System Monitoring Compounds** | | | | | | | |
| 4) CS50 2-Fluorophenol | .6 | 4.60 | 112 | 38485 | 10.28 | ppb | -0.02 |
| Spiked Amount 75.000 | Range 30 - 105 | | | Recovery = 13.71%# | | | |
| 6) CS70 2-Chlorophenol-d4 | .8 | 5.95 | 132 | 38758 | 10.90 | ppb | -0.02 |
| Spiked Amount 75.000 | Range 33 - 110 | | | Recovery = 14.53%# | | | |
| 9) CS45 Phenol-d5 | .8 | 5.71 | 99 | 47850 | 11.02 | ppb | -0.02 |
| Spiked Amount 75.000 | Range 30 - 107 | | | Recovery = 14.69%# | | | |
| 14) CS75 1,2-Diclbenzene-d4 | .4 | 6.44 | 152 | 24299 | 10.93 | ppb | -0.02 |
| Spiked Amount 50.000 | Range 16 - 110 | | | Recovery = 21.86% | | | |
| 24) CS20 Nitrobenzene-d5 | .2 | 6.94 | 82 | 41389 | 11.47 | ppb | -0.02 |
| Spiked Amount 50.000 | Range 30 - 115 | | | Recovery = 22.94%# | | | |
| 43) CS25 2-Fluorobiphenyl | .7 | 9.21 | 172 | 66505 | 10.05 | ppb | -0.03 |
| Spiked Amount 50.000 | Range 30 - 114 | | | Recovery = 20.10%# | | | |
| 64) CS55 2,4,6-Tribrphenol | .0 | 11.08 | 330 | 5323 | 10.06 | ppb | -0.03 |
| Spiked Amount 75.000 | Range 30 - 130 | | | Recovery = 13.41%# | | | |
| 76) CS30 Terphenyl-d14 | .5 | 14.15 | 244 | 70294 | 12.30 | ppb | -0.03 |
| Spiked Amount 50.000 | Range 30 - 114 | | | Recovery = 24.60%# | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) C319 Pyridine | | 3.21 | 79 | 33831 | 9.39 | ppb | 86 |
| 3) C310 N-Nitrosodimeamine | | 3.15 | 74 | 21154 | 9.48 | ppb # | 47 |
| 5) A311 Benzaldehyde | .0 | 5.69 | 77 | 34663 | 13.16 | ppb | 99 |
| 7) C320 Aniline | | 5.82 | 93 | 58412 | 10.91 | ppb | 100 |
| 8) C325 bis(2-Cleth)ether | .7 | 5.87 | 93 | 39486 | 11.01 | ppb | 99 |
| 10) C315 Phenol | .8 | 5.73 | 94 | 58659 | 10.87 | ppb | 86 |
| 11) C330 2-Chlorophenol | .8 | 5.98 | 128 | 47574 | 10.95 | ppb | 98 |

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

Quantitation Report (QT Reviewed)

Data File : Q:\DATAB\103006\1030B06.D Vial: 7
Acq On : 30 Oct 2006 14:33 Operator:
Sample : 534-40-STD10 Inst : 5973N
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 30 16:14 2006 Quant Results File: B103006.RES

Quant Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Mon Oct 30 16:08:42 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC

| | Compound | R.T. | QIon | Response | Conc Unit | | Qvalue |
|---|---|---|---|---|---|---|---|
| 12) | C335 13-Dichlorobenzene .6 | 6.17 | 146 | 45054 | 10.62 ppb | | 99 |
| 13) | C340 14-Dichlorobenzene .5 | 6.26 | 146 | 44558 | 10.75 ppb | | 97 |
| 15) | C350 12-Dichlorobenzene .4 | 6.46 | 146 | 42240 | 11.17 ppb | | 98 |
| 16) | C345 Benzyl alcohol | 6.39 | 108 | 22688 | 11.03 ppb | | 97 |
| 17) | C357 bis(2-Clipr) ether .0 | 6.55 | 45 | 44229 | 11.94 ppb | | 99 |
| 18) | C355 2-Methylphenol .7 | 6.50 | 108 | 39232 | 11.72 ppb | | 96 |
| 19) | A356 Acetophenone .0 | 6.73 | 105 | 42473 | 11.46 ppb | # | 96 |
| 20) | C375 Hexachloroethane .3 | 6.89 | 117 | 17347 | 11.87 ppb | | 85 |
| 21) | C370 N-Nitrosodinpramin .5 | 6.72 | 70 | 27672 | 12.70 ppb | | 85 |
| 22) | C365 3Mphenol/4Mphenol .6 | 6.70 | 108 | 40021 | 11.76 ppb | | 100 |
| 25) | C410 Nitrobenzene .2 | 6.96 | 77 | 40950 | 11.36 ppb | | 95 |
| 26) | C415 Isophorone .4 | 7.25 | 82 | 67993 | 11.53 ppb | | 96 |
| 27) | C420 2-Nitrophenol .1 | 7.36 | 139 | 22137 | 11.43 ppb | | 84 |
| 28) | C425 2,4-Dimethylphenol .2 | 7.38 | 107 | 42026 | 11.75 ppb | | 97 |
| 29) | C435 bis(2-Clethox)meth .3 | 7.50 | 93 | 41869 | 11.11 ppb | | 99 |
| 30) | C440 2,4-Dichlorophenol .2 | 7.66 | 162 | 34866 | 10.55 ppb | | 97 |
| 31) | C430 Benzoic acid | 7.46 | 122 | 12727 | 11.98 ppb | | 94 |
| 32) | C445 1,2,4-Triclbenzene .2 | 7.78 | 180 | 32776 | 10.26 ppb | | 97 |
| 33) | C450 Naphthalene .7 | 7.89 | 128 | 108036 | 10.87 ppb | | 100 |
| 34) | C455 4-Chloroaniline .0 | 7.94 | 127 | 37997 | 10.73 ppb | | 98 |
| 35) | C460 Hexachlorobutadien .0 | 8.04 | 225 | 20733 | 10.49 ppb | | 99 |
| 36) | A461 Caprolactam .0 | 8.35 | 113 | 8740 | 11.15 ppb | | 84 |
| 37) | C465 4-Cl-3-mephenol .2 | 8.52 | 107 | 32953 | 11.98 ppb | | 100 |
| 38) | C470 2Methylnaphthalene .4 | 8.76 | 142 | 66842 | 11.03 ppb | | 98 |
| 40) | C510 Hexaclcypentadiene .0 | 8.97 | 237 | 17953 | 9.28 ppb | | 99 |
| 41) | C515 2,4,6-Triclphenol .2 | 9.11 | 196 | 23450 | 9.87 ppb | | 100 |
| 42) | C520 2,4,5-Triclphenol .2 | 9.15 | 196 | 24687 | 9.80 ppb | | 99 |
| 44) | A521 1,1'-Biphenyl .0 | 9.35 | 154 | 69932 | 9.70 ppb | # | 95 |
| 45) | C525 2Chloronaphthalene .8 | 9.38 | 162 | 60239 | 10.02 ppb | | 99 |
| 46) | C530 2-Nitroaniline .0 | 9.50 | 65 | 18582 | 11.35 ppb | | 93 |
| 47) | C540 Acenaphthylene 1. | 9.91 | 152 | 100966 | 10.44 ppb | | 99 |
| 48) | C535 Dimethylphthalate .0 | 9.70 | 163 | 68960 | 11.14 ppb | | 100 |
| 49) | C543 2,6-Dinitrotoluene .2 | 9.78 | 165 | 14806 | 10.88 ppb | | 85 |
| 50) | C550 Acenaphthene .9 | 10.13 | 153 | 61119 | 10.29 ppb | | 98 |
| 51) | C545 3-Nitroaniline .0 | 10.01 | 138 | 15391 | 10.61 ppb | | 100 |
| 52) | C555 2,4-Dinitrophenol .0 | 10.13 | 184 | 8952 | 12.92 ppb | | 100 |
| 53) | C565 Dibenzofuran .8 | 10.35 | 168 | 80780 | 10.30 ppb | | 99 |
| 54) | C570 2,4-Dinitrotoluene .2 | 10.30 | 165 | 19128 | 11.08 ppb | | 87 |
| 55) | C560 4-Nitrophenol .0 | 10.18 | 109 | 11581 | 12.68 ppb | | 100 |
| 56) | C590 Fluorene .9 | 10.78 | 166 | 70567 | 10.70 ppb | | 99 |
| 57) | C585 4-Clphenphen ether .4 | 10.75 | 204 | 33565 | 10.47 ppb | | 96 |

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

Quantitation Report (QT Reviewed)

Data File : Q:\DATAB\103006\1030B06.D Vial: 7
Acq On : 30 Oct 2006 14:33 Operator:
Sample : 534-40-STD10 Inst : 5973N
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 30 16:14 2006 Quant Results File: B103006.RES

Quant Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Mon Oct 30 16:08:42 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC

| | Compound | | R.T. | QIon | Response | Conc | Unit | Qvalue |
|---|---|---|---|---|---|---|---|---|
| 58) | C580 Diethylphthalate | .0 | 10.58 | 149 | 65405 | 12.19 | ppb | 97 |
| 59) | C595 4-Nitroaniline | .0 | 10.78 | 138 | 15126 | 10.89 | ppb | 87 |
| 61) | D200 12Diphenylhydrazin | | 10.95 | 77 | 67624 | 11.62 | ppb | 89 |
| 62) | C610 4,6-Din-2-mephenol | .0 | 10.81 | 198 | 11118 | 9.62 | ppb | 100 |
| 63) | C615 N-Nitrosodiphamine | .0 | 10.90 | 169 | 47234 | 10.40 | ppb | 99 |
| 65) | C625 4-Brphenphen ether | .1 | 11.37 | 248 | 15832 | 10.09 | ppb | 99 |
| 66) | A626 Atrazine | .01 | 11.54 | 200 | 18917 | 11.46 | ppb | 93 |
| 67) | C630 Hexachlorobenzene | .1 | 11.48 | 284 | 15154 | 9.58 | ppb | 85 |
| 68) | C635 Pentachlorophenol | .0 | 11.71 | 266 | 10767 | 8.73 | ppb | 99 |
| 69) | C647 Carbazole | .0 | 12.26 | 167 | 79259 | 10.46 | ppb | 99 |
| 70) | C640 Phenanthrene | .7 | 12.01 | 178 | 97007 | 10.25 | ppb | 99 |
| 71) | C645 Anthracene | .7 | 12.07 | 178 | 96192 | 10.18 | ppb | 98 |
| 72) | C650 Di-n-butylphthalat | .0 | 12.67 | 149 | 112786 | 12.18 | ppb | 100 |
| 73) | C655 Fluoranthene | .6 | 13.64 | 202 | 120122 | 9.35 | ppb | 91 |
| 75) | C715 Pyrene | .6 | 13.97 | 202 | 126352 | 12.04 | ppb | 88 |
| 77) | C720 Butylbenzylphthal | .0 | 14.85 | 149 | 63784 | 13.92 | ppb | 94 |
| 78) | C725 3,3'-Diclbenzidine | .0 | 15.70 | 252 | 40544 | 10.46 | ppb | 97 |
| 79) | C730 Benzo(a)anthracene | .8 | 15.76 | 228 | 126740 | 10.49 | ppb | 100 |
| 80) | C735 Chrysene | .7 | 15.82 | 228 | 109971 | 10.11 | ppb | 100 |
| 81) | C740 bis(2-Ethex)phthal | .0 | 15.71 | 149 | 95010 | 14.70 | ppb | 97 |
| 83) | C760 Di-n-octylphthalat | .0 | 16.67 | 149 | 158933 | 13.79 | ppb | 99 |
| 84) | C765 Bzo(b)fluoranthene | .7 | 17.35 | 252 | 129250 | 9.15 | ppb | 97 |
| 85) | C770 Bzo(k)fluoranthene | .7 | 17.39 | 252 | 126996 | 10.36 | ppb | 98 |
| 86) | C775 Benzo(a)pyrene | .7 | 17.83 | 252 | 121083 | 9.73 | ppb | 97 |
| 87) | C780 Indeno(123-cd)pyre | .5 | 19.72 | 276 | 124463 | 8.68 | ppb | 95 |
| 88) | C785 Dibz(ah)anthracene | .4 | 19.73 | 278 | 102589 | 8.64 | ppb | 100 |
| 89) | C790 Bzo(g,h,i)perylene | .5 | 20.25 | 276 | 101423 | 9.38 | ppb | 97 |

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

# Response Factor Report 5973N

Method : Q:\DATAB\BBASIC.M (RTE Integrator)
Title : Custom Basic Standard
Last Update : Fri Nov 10 12:15:33 2006
Response via : Initial Calibration

Calibration Files
40 =1109B01.D 50 =1109B02.D 60 =1109B03.D
80 =1109B04.D 25 =1109B05.D 10 =1109B06.D

| | | | Compound | 40 | 50 | 60 | 80 | 25 | 10 | Avg | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1) | I | CI30 | 1,4-Dichlorobenz | ISTD | | | | | | | |
| 2) | | | N,N-Dimethylfo | 0.810 | 0.828 | 0.698 | 0.731 | 0.781 | 0.806 | 0.776 | 6.57 |
| 3) | | D265 | o-Toluidine | 1.741 | 1.702 | 1.572 | 1.695 | 1.830 | 1.769 | 1.718 | 5.06 |
| 4) | I | CI40 | Naphthalene-d8 | ISTD | | | | | | | |
| 5) | I | CI50 | Acenaphthene-d10 | ISTD | | | | | | | |
| 6) | | | 2,3-Toluenedam | 0.637 | 0.621 | 0.611 | 0.664 | 0.616 | 0.490 | 0.606 | 9.95 |
| 7) | | | 2,5-Toluenedia | 0.568 | 0.545 | 0.568 | 0.634 | 0.600 | 0.488 | 0.567 | 8.76 |
| 8) | | | 2,4-Toluenedim | 0.549 | 0.549 | 0.585 | 0.655 | 0.618 | 0.464 | 0.570 | 11.58 |
| 9) | | | 1,4-Dinitroben | 0.169 | 0.163 | 0.176 | 0.193 | 0.191 | 0.158 | 0.175 | 8.30 |
| 10) | I | CI60 | Phenanthrene-d10 | ISTD | | | | | | | |
| 11) | | | Benzidine | 0.736 | 0.857 | 1.075 | 1.054 | 0.967 | 0.653 | 0.890 | 19.33 |
| 12) | I | CI70 | Chrysene-d12 | ISTD | | | | | | | |
| 13) | I | CI75 | Perylene-d12 | ISTD | | | | | | | |

Total Average %RSD 9.94

L = Linear LO = Linear+Origin Q = Quad QO = Quad+Origin R = Corr. Coef
(#) = Out of Range

Concentration Report for BBASIC.M

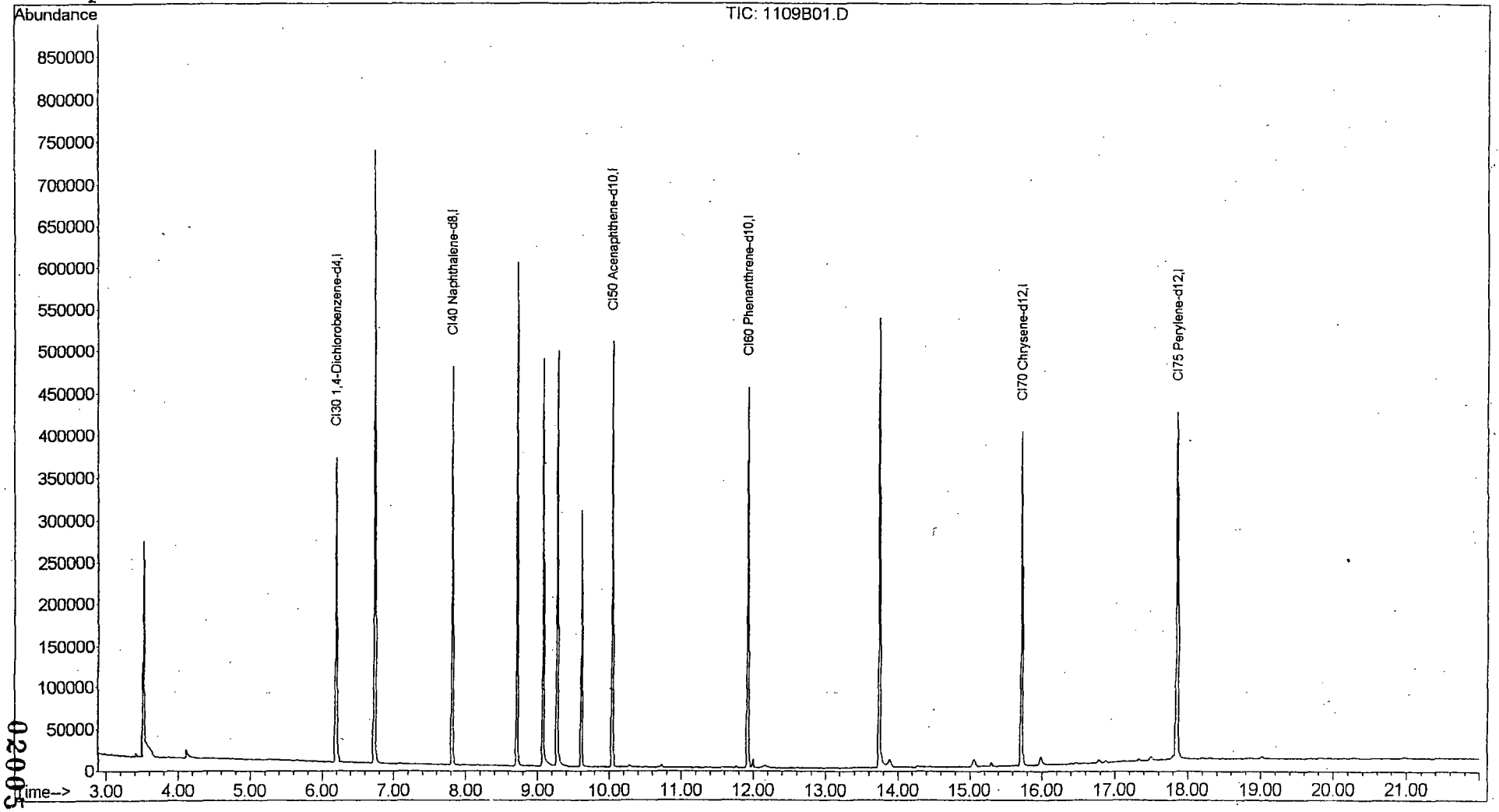
Method : Q:\DATAB\BBASIC.M (RTE Integrator)
Title : Custom Basic Standard

| COLUMN A | | Calibration Levels | | | | | |
|---|---|---|---|---|---|---|---|
| | compound name | 40 | 50 | 60 | 80 | 25 | 10 |
| 1 | CI30 1,4-Dichlo | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 |
| 2 | N,N-Dimeth | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 3 | D265 o-Toluidin | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 4 | CI40 Naphthalen | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 |
| 5 | CI50 Acenaphthe | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 |
| 6 | 2,3-Toluen | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 7 | 2,5-Toluen | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 8 | 2,4-Toluen | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 9 | 1,4-Dinitr | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 10 | CI60 Phenanthre | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 |
| 11 | Benzidine | 40.0 | 50.0 | 60.0 | 80.0 | 25.0 | 10.0 |
| 12 | CI70 Chrysene-d | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 |
| 13 | CI75 Perylene-d | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 |

Quantitation Report

Data File : Q:\DATAB\110906\1109B01.D  Vial: 2
Acq On : 9 Nov 2006 15:49  Operator:
Sample : 534-43-BASIC40  Inst : 5973N
Misc :  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 10 11:56 2006  Quant Results File: BBASIC.RES

Method : Q:\DATAB\BBASIC.M (RTE Integrator)
Title : Custom Basic Standard
Last Update : Fri Nov 10 11:58:44 2006
Response via : Initial Calibration




020053

Quantitation Report (QT Reviewed)

Data File : Q:\DATAB\110906\1109B01.D Vial: 2
Acq On : 9 Nov 2006 15:49 Operator:
Sample : 534-43-BASIC40 Inst : 5973N
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 10 11:56 2006 Quant Results File: BBASIC.RES

Quant Method : Q:\DATAB\BBASIC.M (RTE Integrator)
Title : Custom Basic Standard
Last Update : Thu Nov 09 13:37:10 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC
IS QA File : CC level for IS QA unknown. No recoveries calculated.

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) Rcv(Ar ) |
|---|---|---|---|---|---|---|
| 1) CI30 1,4-Dichlorobenzene-d | 6.19 | 152 | 74996 | 20.00 | ppb | -0.04 NA% |
| 4) CI40 Naphthalene-d8 | 7.81 | 136 | 258503 | 20.00 | ppb | -0.05 NA% |
| 5) CI50 Acenaphthene-d10 | 10.04 | 164 | 125346 | 20.00 | ppb | -0.05 NA% |
| 10) CI60 Phenanthrene-d10 | 11.92 | 188 | 176225 | 20.00 | ppb | -0.05 NA% |
| 12) CI70 Chrysene-d12 | 15.72 | 240 | 158039 | 20.00 | ppb | -0.05 NA% |
| 13) CI75 Perylene-d12 | 17.85 | 264 | 194948 | 20.00 | ppb | -0.06 NA% |

System Monitoring Compounds

| Target Compounds | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 2) N,N-Dimethylformamide | 3.52 | 73 | 121480 | 41.01 | ppb | # 98 |
| 3) D265 o-Toluidine | 6.73 | 106 | 261200 | 41.09 | ppb | 99 |
| 6) 2,3-Toluenedamine | 8.71 | 122 | 159673 | 43.18 | ppb | 100 |
| 7) 2,5-Toluenediamine | 9.08 | 122 | 142474 | 42.73 | ppb | 99 |
| 8) 2,4-Toluenedimaine | 9.27 | 121 | 137630 | 42.50 | ppb | # 100 |
| 9) 1,4-Dinitrobenzene | 9.61 | 168 | 42281 | 41.03 | ppb | 93 |
| 11) Benzidine | 13.74 | 184 | 259290 | 40.43 | ppb | 100 |

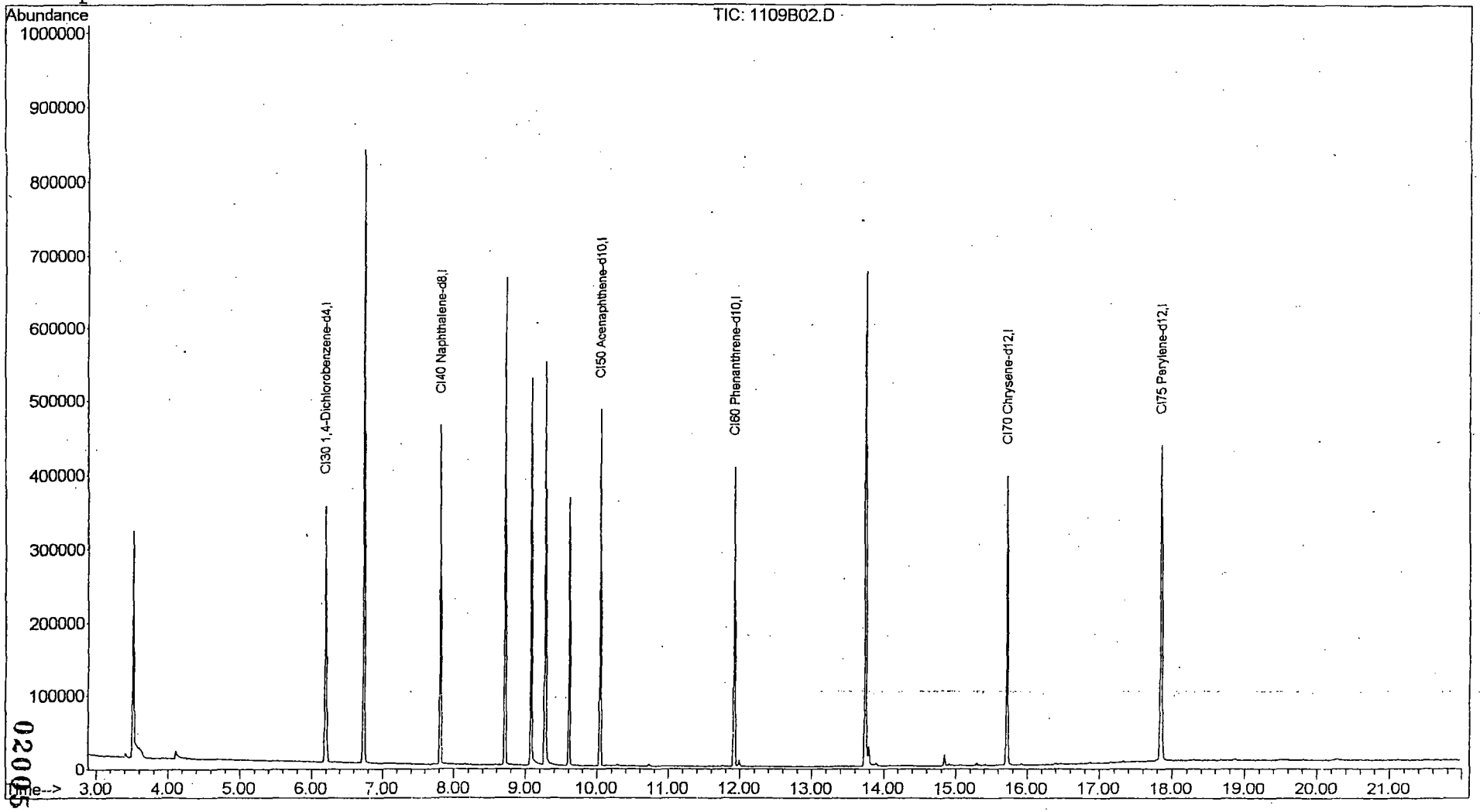
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : Q:\DATAB\110906\1109B02.D
Acq On : 9 Nov 2006 16:19
Sample : 534-43-BASIC50
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 10 11:56 2006

Vial: 3
Operator:
Inst : 5973N
Multiplr: 1.00
Quant Results File: BBASIC.RES

Method : Q:\DATAB\BBASIC.M (RTE Integrator)
Title : Custom Basic Standard
Last Update : Fri Nov 10 12:00:59 2006
Response via : Initial Calibration




02005

Quantitation Report (QT Reviewed)

Data File : Q:\DATAB\110906\1109B02.D Vial: 3
Acq On : 9 Nov 2006 16:19 Operator:
Sample : 534-43-BASIC50 Inst : 5973N
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 10 11:56 2006 Quant Results File: BBASIC.RES

Quant Method : Q:\DATAB\BBASIC.M (RTE Integrator)
Title : Custom Basic Standard
Last Update : Thu Nov 09 13:37:10 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC
IS QA File : CC level for IS QA unknown. No recoveries calculated.

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) Rcv(Ar ) |
|---|---|---|---|---|---|---|
| 1) CI30 1,4-Dichlorobenzene-d | 6.19 | 152 | 69678 | 20.00 | ppb | -0.04 NA% |
| 4) CI40 Naphthalene-d8 | 7.82 | 136 | 236868 | 20.00 | ppb | -0.04 NA% |
| 5) CI50 Acenaphthene-d10 | 10.04 | 164 | 113236 | 20.00 | ppb | -0.04 NA% |
| 10) CI60 Phenanthrene-d10 | 11.92 | 188 | 154885 | 20.00 | ppb | -0.04 NA% |
| 12) CI70 Chrysene-d12 | 15.72 | 240 | 162027 | 20.00 | ppb | -0.05 NA% |
| 13) CI75 Perylene-d12 | 17.85 | 264 | 202247 | 20.00 | ppb | -0.06 NA% |

System Monitoring Compounds

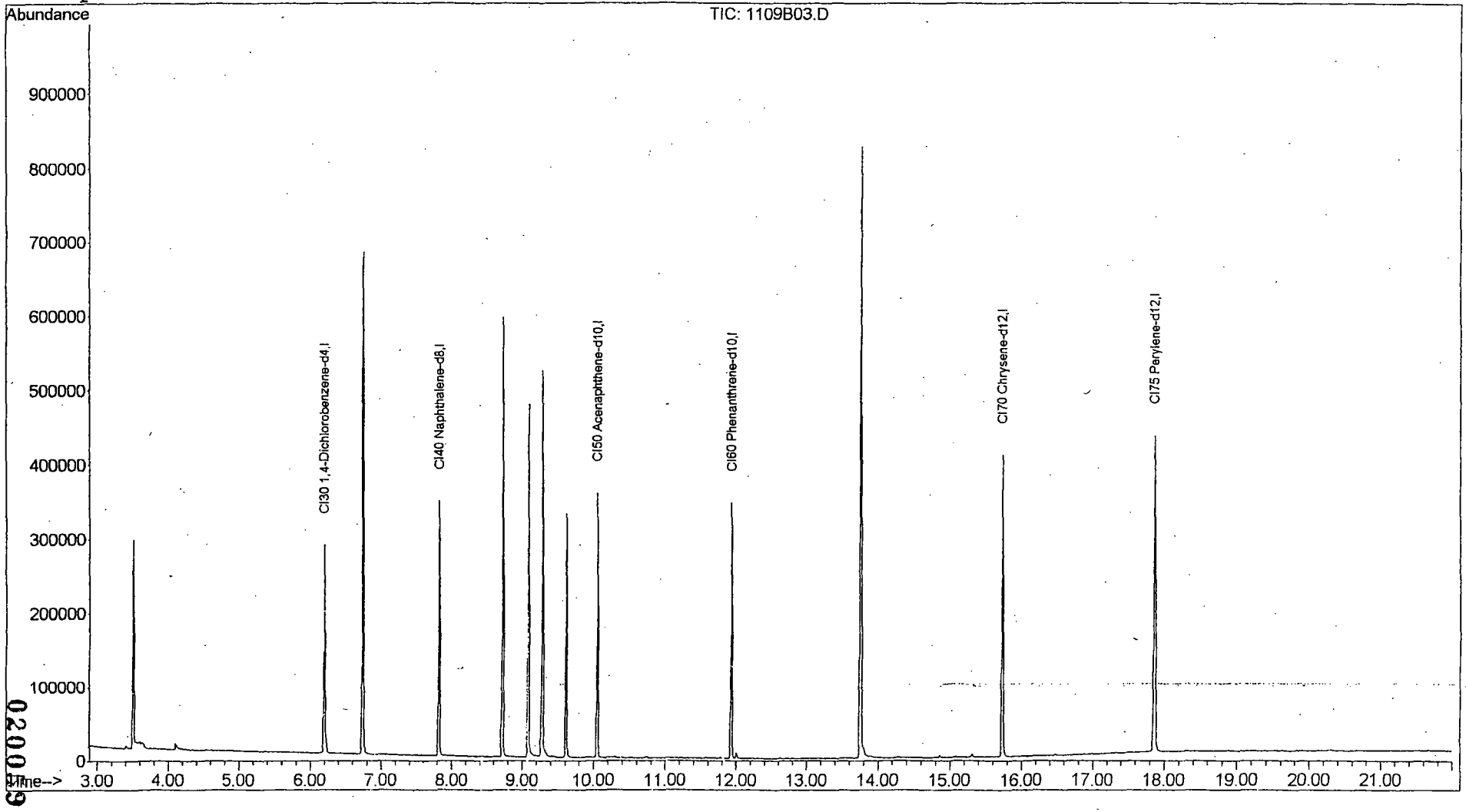
| Target Compounds | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 2) N,N-Dimethylformamide | 3.52 | 73 | 144231 | 52.40 | ppb | # 98 |
| 3) D265 o-Toluidine | 6.74 | 106 | 296493 | 50.20 | ppb | 99 |
| 6) 2,3-Toluenedamine | 8.72 | 122 | 175700 | 51.83 | ppb | 99 |
| 7) 2,5-Toluenediamine | 9.08 | 122 | 154282 | 50.51 | ppb | 98 |
| 8) 2,4-Toluenedimaine | 9.27 | 121 | 155489 | 53.15 | ppb | # 100 |
| 9) 1,4-Dinitrobenzene | 9.61 | 168 | 46140 | 49.57 | ppb | 90 |
| 11) Benzidine | 13.75 | 184 | 331800 | 55.76 | ppb | 100 |

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

Quantitation Report

Data File : Q:\DATAB\110906\1109B03.D Vial: 4
Acq On : 9 Nov 2006 16:48 Operator:
Sample : 534-43-BASIC60 Inst : 5973N
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 10 11:56 2006 Quant Results File: BBASIC.RES

Method : Q:\DATAB\BBASIC.M (RTE Integrator)
Title : Custom Basic Standard
Last Update : Fri Nov 10 12:01:45 2006
Response via : Initial Calibration



Data File : Q:\DATAB\110906\1109B03.D Vial: 4
Acq On : 9 Nov 2006 16:48 Operator:
Sample : 534-43-BASIC60 Inst : 5973N
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 10 11:56 2006 Quant Results File: BBASIC.RES

Quant Method : Q:\DATAB\BBASIC.M (RTE Integrator)
Title : Custom Basic Standard
Last Update : Thu Nov 09 13:37:10 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC
IS QA File : CC level for IS QA unknown. No recoveries calculated.

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) Rcv(Ar ) |
|---|---|---|---|---|---|---|
| 1) CI30 1,4-Dichlorobenzene-d | 6.20 | 152 | 52930 | 20.00 | ppb | -0.04 NA% |
| 4) CI40 Naphthalene-d8 | 7.82 | 136 | 177486 | 20.00 | ppb | -0.04 NA% |
| 5) CI50 Acenaphthene-d10 | 10.05 | 164 | 82428 | 20.00 | ppb | -0.04 NA% |
| 10) CI60 Phenanthrene-d10 | 11.93 | 188 | 129117 | 20.00 | ppb | -0.04 NA% |
| 12) CI70 Chrysene-d12 | 15.73 | 240 | 164730 | 20.00 | ppb | -0.04 NA% |
| 13) CI75 Perylene-d12 | 17.86 | 264 | 202020 | 20.00 | ppb | -0.05 NA% |

System Monitoring Compounds

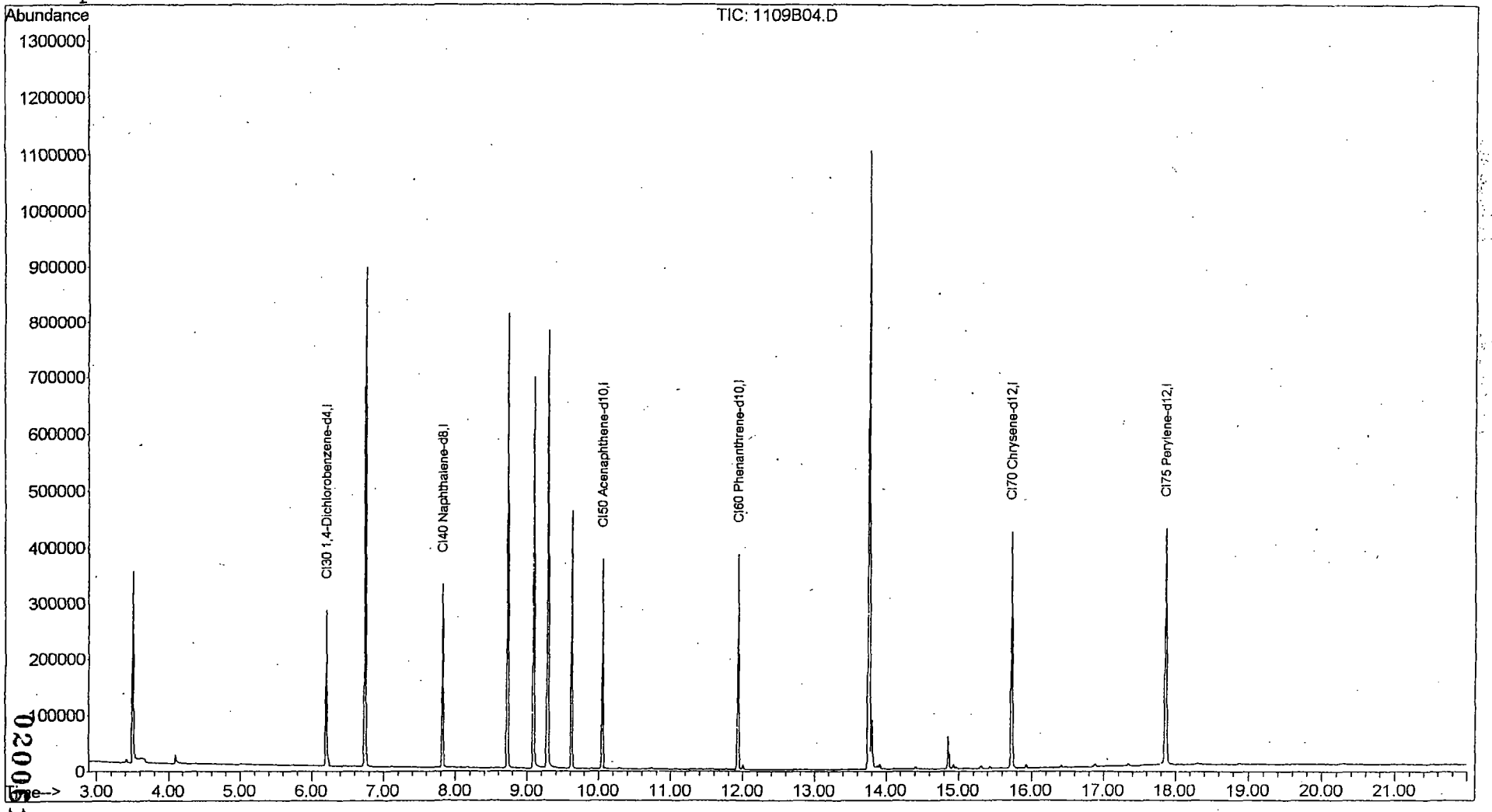
| Target Compounds | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 2) N,N-Dimethylformamide | 3.50 | 73 | 110788 | 52.99 | ppb | 96 |
| 3) D265 o-Toluidine | 6.74 | 106 | 249565 | 55.63 | ppb | 99 |
| 6) 2,3-Toluenedamine | 8.72 | 122 | 151174 | 60.64 | ppb | 99 |
| 7) 2,5-Toluenediamine | 9.09 | 122 | 140377 | 62.24 | ppb | 99 |
| 8) 2,4-Toluenedimaine | 9.28 | 121 | 144554 | 67.89 | ppb | # 100 |
| 9) 1,4-Dinitrobenzene | 9.62 | 168 | 43462 | 64.14 | ppb | 91 |
| 11) Benzidine | 13.76 | 184 | 416563 | 80.53 | ppb | 100 |

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

Quantitation Report

Data File : Q:\DATAB\110906\1109B04.D  Vial: 5
Acq On : 9 Nov 2006 17:16  Operator:
Sample : 534-43-BASIC80  Inst : 5973N
Misc :  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 10 11:56 2006  Quant Results File: BBASIC.RES

Method : Q:\DATAB\BBASIC.M (RTE Integrator)
Title : Custom Basic Standard
Last Update : Fri Nov 10 12:02:14 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : Q:\DATAB\110906\1109B04.D Vial: 5
Acq On : 9 Nov 2006 17:16 Operator:
Sample : 534-43-BASIC80 Inst : 5973N
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 10 11:56 2006 Quant Results File: BBASIC.RES

Quant Method : Q:\DATAB\BBASIC.M (RTE Integrator)
Title : Custom Basic Standard
Last Update : Thu Nov 09 13:37:10 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC
IS QA File : CC level for IS QA unknown. No recoveries calculated.

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) Rcv(Ar ) |
|---|---|---|---|---|---|
| 1) CI30 1,4-Dichlorobenzene-d | 6.20 | 152 | 48648 | 20.00 ppb | -0.04 NA% |
| 4) CI40 Naphthalene-d8 | 7.82 | 136 | 167340 | 20.00 ppb | -0.04 NA% |
| 5) CI50 Acenaphthene-d10 | 10.05 | 164 | 84702 | 20.00 ppb | -0.04 NA% |
| 10) CI60 Phenanthrene-d10 | 11.93 | 188 | 145390 | 20.00 ppb | -0.04 NA% |
| 12) CI70 Chrysene-d12 | 15.73 | 240 | 170441 | 20.00 ppb | -0.04 NA% |
| 13) CI75 Perylene-d12 | 17.86 | 264 | 198628 | 20.00 ppb | -0.05 NA% |

System Monitoring Compounds

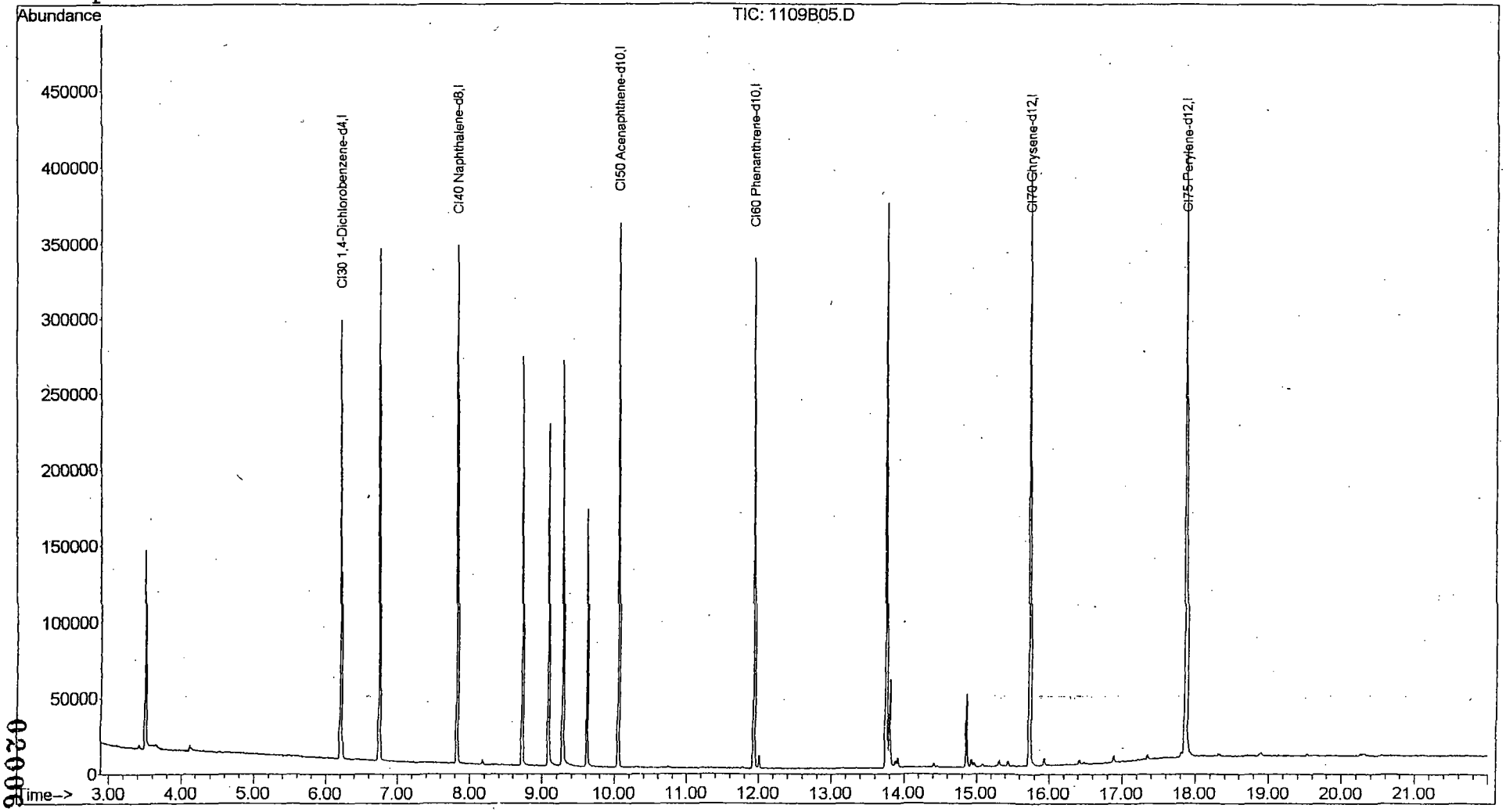
| Target Compounds | | | | | Qvalue |
|---|---|---|---|---|---|
| 2) N,N-Dimethylformamide | 3.49 | 73 | 142214 | 74.01 ppb | # 97 |
| 3) D265 o-Toluidine | 6.74 | 106 | 329906 | 80.01 ppb | 99 |
| 6) 2,3-Toluenedamine | 8.72 | 122 | 224904 | 86.23 ppb | 99 |
| 7) 2,5-Toluenediamine | 9.09 | 122 | 214781 | 90.93 ppb | 99 |
| 8) 2,4-Toluenedimaine | 9.29 | 121 | 221857 | 101.39 ppb | # 100 |
| 9) 1,4-Dinitrobenzene | 9.62 | 168 | 65389 | 93.91 ppb | 93 |
| 11) Benzidine | 13.76 | 184 | 612982 | 103.15 ppb | 100 |

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

Quantitation Report

Data File : Q:\DATAB\110906\1109B05.D  Vial: 6
Acq On : 9 Nov 2006 17:44  Operator:
Sample : 534-43-BASIC25  Inst : 5973N
Misc :  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 10 11:56 2006  Quant Results File: BBASIC.RES

Method : Q:\DATAB\BBASIC.M (RTE Integrator)
Title : Custom Basic Standard
Last Update : Fri Nov 10 12:14:33 2006
Response via : Initial Calibration




020063

Data File : Q:\DATAB\110906\1109B05.D Vial: 6
Acq On : 9 Nov 2006 17:44 Operator:
Sample : 534-43-BASIC25 Inst : 5973N
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 10 11:56 2006 Quant Results File: BBASIC.RES

Quant Method : Q:\DATAB\BBASIC.M (RTE Integrator)
Title : Custom Basic Standard
Last Update : Thu Nov 09 13:37:10 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC
IS QA File : CC level for IS QA unknown. No recoveries calculated.

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) Rcv(Ar ) |
|---|---|---|---|---|---|---|---|
| 1) CI30 1,4-Dichlorobenzene-d | 6.20 | 152 | 52570 | 20.00 | ppb | | -0.03 NA% |
| 4) CI40 Naphthalene-d8 | 7.82 | 136 | 180129 | 20.00 | ppb | | -0.04 NA% |
| 5) CI50 Acenaphthene-d10 | 10.05 | 164 | 87222 | 20.00 | ppb | | -0.04 NA% |
| 10) CI60 Phenanthrene-d10 | 11.93 | 188 | 134692 | 20.00 | ppb | | -0.04 NA% |
| 12) CI70 Chrysene-d12 | 15.73 | 240 | 161637 | 20.00 | ppb | | -0.04 NA% |
| 13) CI75 Perylene-d12 | 17.87 | 264 | 192950 | 20.00 | ppb | | -0.04 NA% |

System Monitoring Compounds

| Target Compounds | | | | | | | Qvalue |
|---|---|---|---|---|---|---|---|
| 2) N,N-Dimethylformamide | 3.50 | 73 | 51349 | 24.73 | ppb | | 100 |
| 3) D265 o-Toluidine | 6.74 | 106 | 120224 | 26.98 | ppb | | 99 |
| 6) 2,3-Toluenedamine | 8.72 | 122 | 67174 | 27.48 | ppb | | 100 |
| 7) 2,5-Toluenediamine | 9.09 | 122 | 65434 | 29.42 | ppb | | 98 |
| 8) 2,4-Toluenedimaine | 9.28 | 121 | 67373 | 29.90 | ppb | # | 100 |
| 9) 1,4-Dinitrobenzene | 9.62 | 168 | 20823 | 29.04 | ppb | | 90 |
| 11) Benzidine | 13.75 | 184 | 162853 | 34.44 | ppb | | 100 |

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

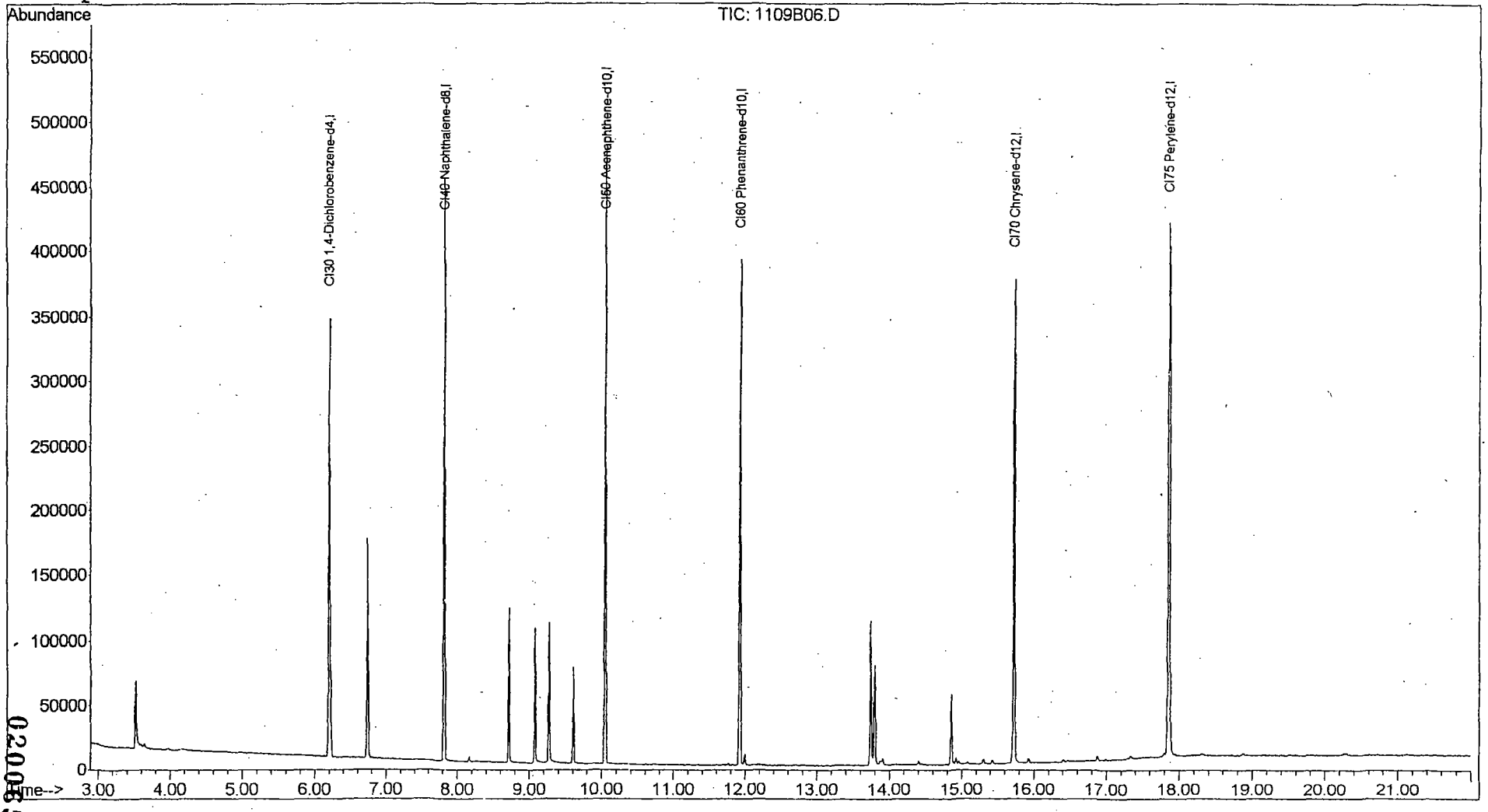
Quantitation Report

Data File : Q:\DATAB\110906\1109B06.D
Acq On : 9 Nov 2006 18:14
Sample : 534-43-BASIC10
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 10 11:57 2006

Vial: 7
Operator:
Inst : 5973N
Multiplr: 1.00

Quant Results File: BBASIC.RES

Method : Q:\DATAB\BBASIC.M (RTE Integrator)
Title : Custom Basic Standard
Last Update : Fri Nov 10 12:15:02 2006
Response via : Initial Calibration




02008

Data File : Q:\DATAB\110906\1109B06.D Vial: 7
Acq On : 9 Nov 2006 18:14 Operator:
Sample : 534-43-BASIC10 Inst : 5973N
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 10 11:57 2006 Quant Results File: BBASIC.RES

Quant Method : Q:\DATAB\BBASIC.M (RTE Integrator)
Title : Custom Basic Standard
Last Update : Thu Nov 09 13:37:10 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC
IS QA File : CC level for IS QA unknown. No recoveries calculated.

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) Rcv(Ar ) |
|---|---|---|---|---|---|---|
| 1) CI30 1,4-Dichlorobenzene-d | 6.19 | 152 | 65502 | 20.00 | ppb | -0.04 NA% |
| 4) CI40 Naphthalene-d8 | 7.82 | 136 | 226977 | 20.00 | ppb | -0.04 NA% |
| 5) CI50 Acenaphthene-d10 | 10.04 | 164 | 112421 | 20.00 | ppb | -0.04 NA% |
| 10) CI60 Phenanthrene-d10 | 11.92 | 188 | 151449 | 20.00 | ppb | -0.04 NA% |
| 12) CI70 Chrysene-d12 | 15.72 | 240 | 154516 | 20.00 | ppb | -0.05 NA% |
| 13) CI75 Perylene-d12 | 17.85 | 264 | 192944 | 20.00 | ppb | -0.06 NA% |

System Monitoring Compounds

| Target Compounds | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 2) N,N-Dimethylformamide | 3.52 | 73 | 26409 | 10.21 | ppb | # 92 |
| 3) D265 o-Toluidine | 6.73 | 106 | 57948 | 10.44 | ppb | 99 |
| 6) 2,3-Toluenedamine | 8.71 | 122 | 27519 | 11.10 | ppb | 99 |
| 7) 2,5-Toluenediamine | 9.08 | 122 | 27420 | 11.98 | ppb | 98 |
| 8) 2,4-Toluenedimaine | 9.27 | 121 | 26089 | 8.98 | ppb | # 100 |
| 9) 1,4-Dinitrobenzene | 9.61 | 168 | 8883 | 9.61 | ppb | 88 |
| 11) Benzidine | 13.74 | 184 | 49471 | 14.28 | ppb | 100 |

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

# Continuing Calibration Report 5973N

Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Thu Dec 14 10:09:37 2006
Response via : Initial Calibration

Continuing Calibration File: 1214B01.D

Min. RRF : 0.050 Min. Rel. Area : 50%
Max. RRF Dev : 20% Max. Rel. Area : 200%

| | | Compound | | AvgRF | CCRF | %Dev | Area% |
|---|---|---|---|---|---|---|---|
| 1 | I | CI30 1,4-Diclbenzene-d4 | | 1.000 | 1.000 | 0.0 | 98 |
| 2 | T | C319 Pyridine | | 1.052 | 0.946 | 10.1 | 76 |
| 3 | T | C310 N-Nitrosodimeamine | | 0.634 | 0.594 | 6.3 | 77 |
| 4 | S | CS50 2-Fluorophenol | .6 | 1.176 | 0.992 | 15.6 | 80 |
| 5 | T | A311 Benzaldehyde | .01 | 0.866 | 0.815 | 5.9 | 82 |
| 6 | S | CS70 2-Chlorophenol-d4 | .8 | 1.128 | 1.017 | 9.8 | 87 |
| 7 | T | C320 Aniline | | 1.683 | 0.824 | 51.0 # | 47# |
| 8 | T | C325 bis(2-Cleth)ether | .7 | 1.127 | 1.113 | 1.2 | 93 |
| 9 | S | CS45 Phenol-d5 | .8 | 1.430 | 1.263 | 11.7 | 84 |
| 10 | MC | C315 Phenol | .8 | 1.740 | 1.733 | 0.4 ✓ | 94 |
| 11 | M | C330 2-Chlorophenol | .8 | 1.354 | 1.233 | 8.9 | 87 |
| 12 | T | C335 13-Dichlorobenzene | .6 | 1.309 | 1.144 | 12.6 | 85 |
| 13 | MC | C340 14-Dichlorobenzene | .5 | 1.263 | 1.116 | 11.6 ✓ | 86 |
| 14 | S | CS75 1,2-Diclbenzene-d4 | .4 | 0.660 | 0.622 | 5.7 | 91 |
| 15 | T | C350 12-Dichlorobenzene | .4 | 1.133 | 1.012 | 10.7 | 87 |
| 16 | T | C345 Benzyl alcohol | | 0.642 | 0.620 | 3.4 | 92 |
| 17 | T | C357 bis(2-Clipr) ether | .01 | 1.191 | 1.142 | 4.1 | 92 |
| 18 | T | C355 2-Methylphenol | .7 | 1.040 | 0.913 | 12.2 | 83 |
| 19 | T | A356 Acetophenone | .01 | 1.182 | 1.125 | 4.8 | 92 |
| 20 | T | C375 Hexachloroethane | .3 | 0.465 | 0.448 | 3.7 | 94 |
| 21 | MP | C370 N-Nitrosodinpramin | .5 | 0.742 | 0.752 ✓ | -1.4 | 95 |
| 22 | T | C365 3Mphenol/4Mphenol | .6 | 1.069 | 0.940 | 12.1 | 83 |
| 23 | I | CI40 Naphthalene-d8 | | 1.000 | 1.000 | 0.0 | 99 |
| 24 | S | CS20 Nitrobenzene-d5 | .2 | 0.362 | 0.364 | -0.5 | 96 |
| 25 | T | C410 Nitrobenzene | .2 | 0.362 | 0.359 | 0.6 | 95 |
| 26 | T | C415 Isophorone | .4 | 0.602 | 0.546 | 9.3 | 86 |
| 27 | C | C420 2-Nitrophenol | .1 | 0.198 | 0.181 | 8.7 ✓ | 89 |
| 28 | T | C425 2,4-Dimethylphenol | .2 | 0.363 | 0.360 | 0.8 | 97 |
| 29 | T | C435 bis(2-Clethox)meth | .3 | 0.354 | 0.333 | 5.9 | 90 |
| 30 | C | C440 2,4-Dichlorophenol | .2 | 0.305 | 0.270 | 11.6 ✓ | 86 |
| 31 | T | C430 Benzoic acid | | 0.110 | 0.126 | -13.7 | 107 |
| 32 | M | C445 1,2,4-Triclbenzene | .2 | 0.282 | 0.241 | 14.5 | 85 |
| 33 | T | C450 Naphthalene | .7 | 0.891 | 0.817 | 8.3 | 88 |
| 34 | T | C455 4-Chloroaniline | .01 | 0.310 | 0.214 | 30.8 # | 67 |
| 35 | C | C460 Hexachlorobutadien | .01 | 0.180 | 0.169 | 5.9 ✓ | 94 |
| 36 | T | A461 Caprolactam | .01 | 0.072 | 0.059 | 17.0 | 72 |
| 37 | MC | C465 4-Cl-3-mephenol | .2 | 0.288 | 0.270 | 6.2 ✓ | 89 |
| 38 | T | C470 2Methylnaphthalene | .4 | 0.551 | 0.498 | 9.5 | 88 |
| 39 | I | CI50 Acenaphthene-d10 | | 1.000 | 1.000 | 0.0 | 96 |
| 40 | P | C510 Hexaclcypentadiene | .01 | 0.363 | 0.248 | 31.8 # | 65 |
| 41 | C | C515 2,4,6-Triclphenol | .2 | 0.421 | 0.378 | 10.0 ✓ | 85 |

020067

(#) = Out of Range

Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Thu Dec 14 10:09:37 2006
Response via : Initial Calibration

Continuing Calibration File: 1214B01.D

Min. RRF : 0.050 Min. Rel. Area : 50%
Max. RRF Dev : 20% Max. Rel. Area : 200%

| | | Compound | | AvgRF | CCRF | %Dev | Area% |
|---|---|---|---|---|---|---|---|
| 42 | T | C520 2,4,5-Triclphenol | .2 | 0.439 | 0.430 | 2.0 | 93 |
| 43 | S | CS25 2-Fluorobiphenyl | .7 | 1.102 | 1.189 | -8.0 | 102 |
| 44 | T | A521 1,1'-Biphenyl | .01 | 1.200 | 1.084 | 9.6 | 84 |
| 45 | T | C525 2Chloronaphthalene | .8 | 0.973 | 0.918 | 5.6 | 89 |
| 46 | T | C530 2-Nitroaniline | .01 | 0.328 | 0.330 | -0.6 | 93 |
| 47 | T | C540 Acenaphthylene | 1.3 | 1.619 | 1.485 | 8.3 | 86 |
| 48 | T | C535 Dimethylphthalate | .01 | 1.142 | 1.040 | 9.0 | 86 |
| 49 | T | C543 2,6-Dinitrotoluene | .2 | 0.246 | 0.216 | 12.3 | 83 |
| 50 | MC | C550 Acenaphthene | .9 | 0.986 | 0.940 | 4.7 ✓ | 91 |
| 51 | T | C545 3-Nitroaniline | .01 | 0.258 | 0.192 | 25.4 # | 68 |
| 52 | P | C555 2,4-Dinitrophenol | .01 | 0.178 | 0.147 ✓ | 17.6 | 84 |
| 53 | T | C565 Dibenzofuran | .8 | 1.296 | 1.228 | 5.3 | 91 |
| 54 | M | C570 2,4-Dinitrotoluene | .2 | 0.317 | 0.300 | 5.4 | 90 |
| 55 | MP | C560 4-Nitrophenol | .01 | 0.216 | 0.198 ✓ | 8.3 | 87 |
| 56 | T | C590 Fluorene | .9 | 1.100 | 1.183 | -7.6 | 102 |
| 57 | T | C585 4-Clphenphen ether | .4 | 0.559 | 0.590 | -5.5 | 103 |
| 58 | T | C580 Diethylphthalate | .01 | 1.068 | 1.006 | 5.8 | 90 |
| 59 | T | C595 4-Nitroaniline | .01 | 0.243 | 0.147 | 39.3 # | 54 |
| 60 | I | CI60 Phenanthrene-d10 | | 1.000 | 1.000 | 0.0 | 89 |
| 61 | T | D200 12Diphenylhydrazin | | 0.727 | 0.799 | -9.9 | 93 |
| 62 | T | C610 4,6-Din-2-mephenol | .01 | 0.152 | 0.152 | -0.2 | 87 |
| 63 | C | C615 N-Nitrosodiphamine | .01 | 0.494 | 0.475 | 3.8 ✓ | 81 |
| 64 | S | CS55 2,4,6-Tribrphenol | .01 | 0.059 | 0.056 | 4.0 | 83 |
| 65 | T | C625 4-Brphenphen ether | .1 | 0.171 | 0.165 | 3.5 | 86 |
| 66 | T | A626 Atrazine | .01 | 0.191 | 0.150 | 21.5 # | 70 |
| 67 | T | C630 Hexachlorobenzene | .1 | 0.164 | 0.161 | 1.4 | 88 |
| 68 | MC | C635 Pentachlorophenol | .05 | 0.135 | 0.116 | 14.6 ✓ | 74 |
| 69 | T | C647 Carbazole | .01 | 0.814 | 0.702 | 13.8 | 73 |
| 70 | T | C640 Phenanthrene | .7 | 1.009 | 0.949 | 5.9 | 82 |
| 71 | T | C645 Anthracene | .7 | 1.000 | 0.918 | 8.2 | 79 |
| 72 | T | C650 Di-n-butylphthalat | .01 | 1.205 | 1.192 | 1.0 | 88 |
| 73 | C | C655 Fluoranthene | .6 | 1.401 | 1.276 | 8.9 ✓ | 83 |
| 74 | I | CI70 Chrysene-d12 | | 1.000 | 1.000 | 0.0 | 121 |
| 75 | M | C715 Pyrene | .6 | 1.135 | 0.821 | 27.7 # | 83 |
| 76 | S | CS30 Terphenyl-d14 | .5 | 0.641 | 0.485 | 24.4 # | 91 |
| 77 | T | C720 Butylbenzylphthal | .01 | 0.611 | 0.472 | 22.7 # | 92 |
| 78 | T | C725 3,3'-Diclbenzidine | .01 | 0.419 | 0.280 | 33.1 # | 78 |
| 79 | T | C730 Benzo(a)anthracene | .8 | 1.193 | 0.997 | 16.4 | 101 |
| 80 | T | C735 Chrysene | .7 | 1.022 | 0.864 | 15.4 | 100 |
| 81 | T | C740 bis(2-Ethex)phthal | .01 | 0.892 | 0.732 | 17.9 | 98 |
| 82 | I | CI75 Perylene-d12 | | 1.000 | 1.000 | 0.0 | 106 |

(#) = Out of Range

Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Thu Dec 14 10:09:37 2006
Response via : Initial Calibration

Continuing Calibration File: 1214B01.D

Min. RRF : 0.050 Min. Rel. Area : 50%
Max. RRF Dev : 20% Max. Rel. Area : 200%

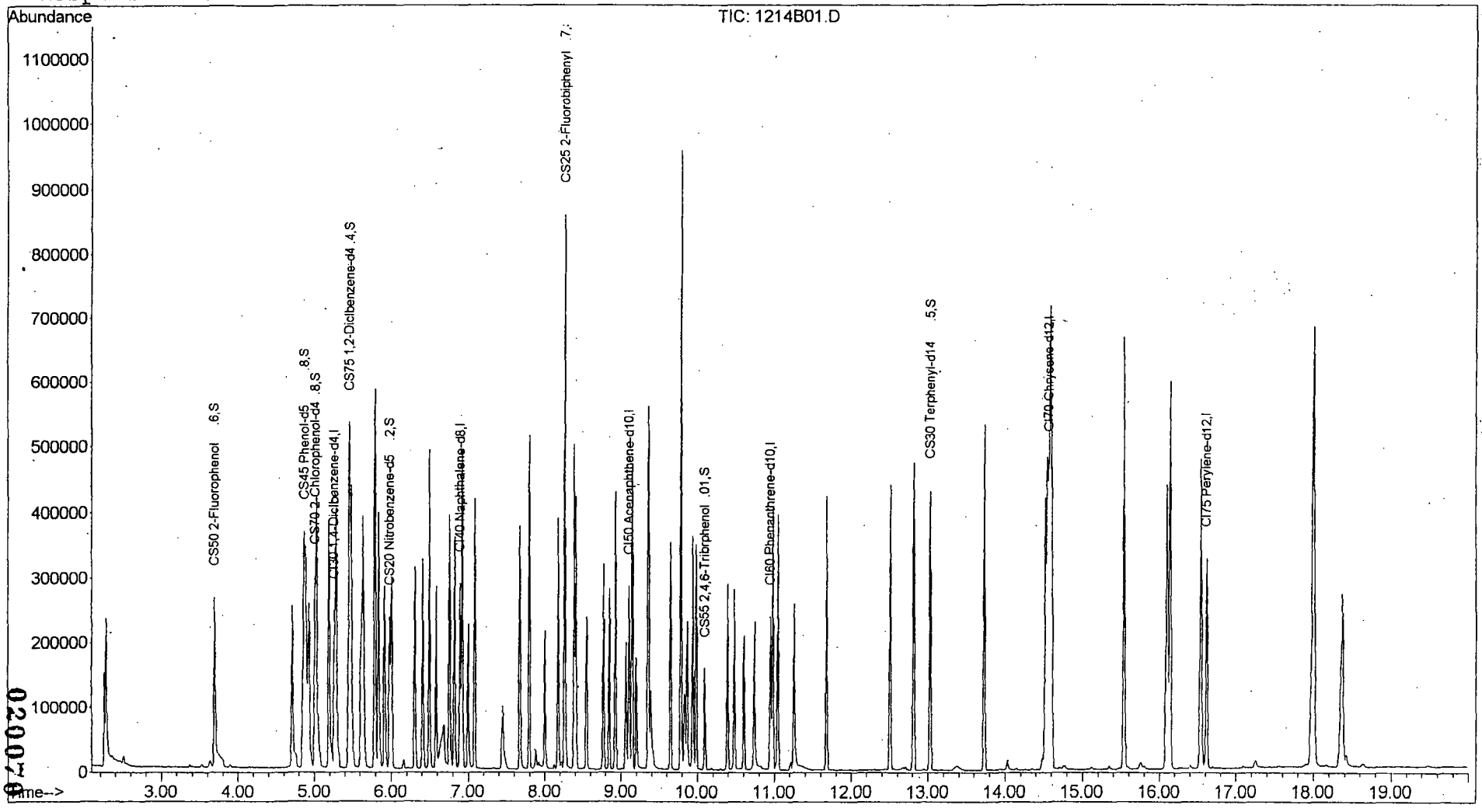
| | | Compound | AvgRF | CCRF | %Dev | Area% |
|---|---|---|---|---|---|---|
| 83 | C | C760 Di-n-octylphthalat .01 | 1.569 | 1.454 | 7.3 | 98 |
| 84 | T | C765 Bzo(b)fluoranthene .7 | 1.391 | 1.118 | 19.6 | 86 |
| 85 | T | C770 Bzo(k)fluoranthene .7 | 1.184 | 1.114 | 5.9 | 97 |
| 86 | C | C775 Benzo(a)pyrene .7 | 1.169 | 0.993 | 15.1 | 88 |
| 87 | T | C780 Indeno(123-cd)pyre .5 | 1.412 | 1.265 | 10.4 | 85 |
| 88 | T | C785 Dibz(ah)anthracene .4 | 1.164 | 1.137 | 2.3 | 93 |
| 89 | T | C790 Bzo(g,h,i)perylene .5 | 1.061 | 0.832 | 21.6 # | 75 |

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report

Data File : Q:\DATAB\121406\1214B01.D Vial: 2
Acq On : 14 Dec 2006 9:26 Operator:
Sample : 534-40-STD40 Inst : 5973N
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 14 9:48 2006 Quant Results File: B103006.RES

Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Tue Dec 12 14:21:57 2006
Response via : Initial Calibration




020078

Quantitation Report (QT Reviewed)

Data File : Q:\DATAB\121406\1214B01.D Vial: 2
Acq On : 14 Dec 2006 9:26 Operator:
Sample : 534-40-STD40 Inst : 5973N
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 14 9:48 2006 Quant Results File: B103006.RES

Quant Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Tue Dec 12 14:21:57 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC
IS QA File : Q:\DATAB\121206\1212B01.D (12 Dec 2006 11:33)

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) Rcv(Ar ) |
|---|---|---|---|---|---|
| 1) CI30 1,4-Diclbenzene-d4 | 5.26 | 152 | 45519 | 20.00 ppb | -0.01 76.35% |
| 23) CI40 Naphthalene-d8 | 6.89 | 136 | 138639 | 20.00 ppb | 0.00 79.71% |
| 39) CI50 Acenaphthene-d10 | 9.10 | 164 | 64205 | 20.00 ppb | 0.00 79.68% |
| 60) CI60 Phenanthrene-d10 | 10.95 | 188 | 86075 | 20.00 ppb | -0.01 73.35% |
| 74) CI70 Chrysene-d12 | 14.56 | 240 | 138782 | 20.00 ppb | -0.02 69.03% |
| 82) CI75 Perylene-d12 | 16.62 | 264 | 126513 | 20.00 ppb | -0.02 81.40% |

| System Monitoring Compounds | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4) CS50 2-Fluorophenol | .6 | 3.69 | 112 | 90341 | 33.76 ppb | -0.07 | |
| Spiked Amount 75.000 | Range 30 - 105 | | | Recovery = 45.01% | | | |
| 6) CS70 2-Chlorophenol-d4 | .8 | 5.00 | 132 | 92577 | 36.07 ppb | -0.02 | |
| Spiked Amount 75.000 | Range 33 - 110 | | | Recovery = 48.09% | | | |
| 9) CS45 Phenol-d5 | .8 | 4.86 | 99 | 114979 | 35.32 ppb | -0.02 | |
| Spiked Amount 75.000 | Range 30 - 107 | | | Recovery = 47.09% | | | |
| 14) CS75 1,2-Diclbenzene-d4 | .4 | 5.46 | 152 | 56670 | 37.73 ppb | 0.00 | |
| Spiked Amount 50.000 | Range 16 - 110 | | | Recovery = 75.46% | | | |
| 24) CS20 Nitrobenzene-d5 | .2 | 5.97 | 82 | 100940 | 40.19 ppb | -0.03 | |
| Spiked Amount 50.000 | Range 30 - 115 | | | Recovery = 80.38% | | | |
| 43) CS25 2-Fluorobiphenyl | .7 | 8.26 | 172 | 152741 | 43.18 ppb | -0.02 | |
| Spiked Amount 50.000 | Range 30 - 114 | | | Recovery = 86.36% | | | |
| 64) CS55 2,4,6-Tribrphenol | .0 | 10.09 | 330 | 9718 | 38.42 ppb | -0.03 | |
| Spiked Amount 75.000 | Range 30 - 130 | | | Recovery = 51.23% | | | |
| 76) CS30 Terphenyl-d14 | .5 | 13.03 | 244 | 134534 | 30.24 ppb | -0.02 | |
| Spiked Amount 50.000 | Range 30 - 114 | | | Recovery = 60.48% | | | |

| Target Compounds | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 2) C319 Pyridine | | 2.27 | 79 | 86151 | 35.97 ppb | 93 |
| 3) C310 N-Nitrosodimeamine | | 2.26 | 74 | 54090 | 37.47 ppb | 97 |
| 5) A311 Benzaldehyde | .0 | 4.71 | 77 | 74203 | 37.66 ppb | 94 |
| 7) C320 Aniline | | 4.85 | 93 | 75003 | 19.58 ppb | 89 |
| 8) C325 bis(2-Cleth)ether | .7 | 4.93 | 93 | 101333 | 39.52 ppb | 99 |
| 10) C315 Phenol | .8 | 4.88 | 94 | 157736 | 39.84 ppb | 95 |
| 11) C330 2-Chlorophenol | .8 | 5.02 | 128 | 112282 | 36.44 ppb | 89 |

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

020071

Quantitation Report (QT Reviewed)

Data File : Q:\DATAB\121406\1214B01.D Vial: 2
Acq On : 14 Dec 2006 9:26 Operator:
Sample : 534-40-STD40 Inst : 5973N
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 14 9:48 2006 Quant Results File: B103006.RES

Quant Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Tue Dec 12 14:21:57 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC

| | Compound | | R.T. | QIon | Response | Conc | Unit | | Qvalue |
|---|---|---|---|---|---|---|---|---|---|
| 12) | C335 13-Dichlorobenzene | .6 | 5.19 | 146 | 104103 | 34.95 | ppb | | 99 |
| 13) | C340 14-Dichlorobenzene | .5 | 5.28 | 146 | 101591 | 35.35 | ppb | | 99 |
| 15) | C350 12-Dichlorobenzene | .4 | 5.48 | 146 | 92123 | 35.71 | ppb | | 96 |
| 16) | C345 Benzyl alcohol | | 5.45 | 108 | 56434 | 38.62 | ppb | | 95 |
| 17) | C357 bis(2-Clipr) ether | .0 | 5.61 | 45 | 103974 | 38.36 | ppb | # | 1 |
| 18) | C355 2-Methylphenol | .7 | 5.63 | 108 | 83136 | 35.14 | ppb | | 98 |
| 19) | A356 Acetophenone | .0 | 5.78 | 105 | 102420 | 38.08 | ppb | | 92 |
| 20) | C375 Hexachloroethane | .3 | 5.91 | 117 | 40746 | 38.54 | ppb | | 93 |
| 21) | C370 N-Nitrosodinpramin | .5 | 5.79 | 70 | 68502 | 40.58 | ppb | | 95 |
| 22) | C365 3Mphenol/4Mphenol | .6 | 5.83 | 108 | 85534 | 35.17 | ppb | | 100 |
| 25) | C410 Nitrobenzene | .2 | 6.00 | 77 | 99678 | 39.77 | ppb | | 94 |
| 26) | C415 Isophorone | .4 | 6.31 | 82 | 151325 | 36.27 | ppb | | 98 |
| 27) | C420 2-Nitrophenol | .1 | 6.41 | 139 | 50067 | 36.52 | ppb | | 94 |
| 28) | C425 2,4-Dimethylphenol | .2 | 6.50 | 107 | 99924 | 39.67 | ppb | | 94 |
| 29) | C435 bis(2-Clethox)meth | .3 | 6.58 | 93 | 92361 | 37.66 | ppb | | 100 |
| 30) | C440 2,4-Dichlorophenol | .2 | 6.75 | 162 | 74853 | 35.37 | ppb | | 95 |
| 31) | C430 Benzoic acid | | 6.68 | 122 | 34804 | 45.50 | ppb | | 95 |
| 32) | C445 1,2,4-Triclbenzene | .2 | 6.82 | 180 | 66957 | 34.22 | ppb | | 97 |
| 33) | C450 Naphthalene | .7 | 6.92 | 128 | 226558 | 36.66 | ppb | | 99 |
| 34) | C455 4-Chloroaniline | .0 | 6.99 | 127 | 59402 | 27.68 | ppb | | 98 |
| 35) | C460 Hexachlorobutadien | .0 | 7.08 | 225 | 46903 | 37.63 | ppb | | 98 |
| 36) | A461 Caprolactam | .0 | 7.45 | 113 | 16469 | 33.18 | ppb | | 85 |
| 37) | C465 4-Cl-3-mephenol | .2 | 7.67 | 107 | 74801 | 37.52 | ppb | | 98 |
| 38) | C470 2Methylnaphthalene | .4 | 7.80 | 142 | 138154 | 36.18 | ppb | | 98 |
| 40) | C510 Hexaclcypentadiene | .0 | 8.00 | 237 | 31792 | 27.28 | ppb | | 98 |
| 41) | C515 2,4,6-Triclphenol | .2 | 8.18 | 196 | 48589 | 35.99 | ppb | | 99 |
| 42) | C520 2,4,5-Triclphenol | .2 | 8.26 | 196 | 55196 | 39.21 | ppb | | 98 |
| 44) | A521 1,1'-Biphenyl | .0 | 8.38 | 154 | 139258 | 36.15 | ppb | | 99 |
| 45) | C525 2Chloronaphthalene | .8 | 8.41 | 162 | 117830 | 37.74 | ppb | | 95 |
| 46) | C530 2-Nitroaniline | .0 | 8.55 | 65 | 42417 | 40.22 | ppb | | 95 |
| 47) | C540 Acenaphthylene | 1. | 8.93 | 152 | 190656 | 36.68 | ppb | | 100 |
| 48) | C535 Dimethylphthalate | .0 | 8.77 | 163 | 133531 | 36.41 | ppb | | 100 |
| 49) | C543 2,6-Dinitrotoluene | .2 | 8.85 | 165 | 27753 | 35.09 | ppb | | 90 |
| 50) | C550 Acenaphthene | .9 | 9.15 | 153 | 120727 | 38.14 | ppb | | 98 |
| 51) | C545 3-Nitroaniline | .0 | 9.07 | 138 | 24670 | 29.84 | ppb | | 95 |
| 52) | C555 2,4-Dinitrophenol | .0 | 9.20 | 184 | 18850 | 32.96 | ppb | | 100 |
| 53) | C565 Dibenzofuran | .8 | 9.36 | 168 | 157697 | 37.90 | ppb | | 93 |
| 54) | C570 2,4-Dinitrotoluene | .2 | 9.36 | 165 | 38538 | 37.83 | ppb | # | 62 |
| 55) | C560 4-Nitrophenol | .0 | 9.39 | 109 | 25434 | 36.66 | ppb | | 100 |
| 56) | C590 Fluorene | .9 | 9.79 | 166 | 151930 | 43.03 | ppb | | 99 |
| 57) | C585 4-Clphenphen ether | .4 | 9.78 | 204 | 75720 | 42.19 | ppb | | 96 |

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

020072

Data File : Q:\DATAB\121406\1214B01.D Vial: 2
Acq On : 14 Dec 2006 9:26 Operator:
Sample : 534-40-STD40 Inst : 5973N
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 14 9:48 2006 Quant Results File: B103006.RES

Quant Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Tue Dec 12 14:21:57 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC

| | Compound | | R.T. | QIon | Response | Conc Unit | | Qvalue |
|---|---|---|---|---|---|---|---|---|
| 58) | C580 Diethylphthalate | .0 | 9.65 | 149 | 129234 | 37.69 ppb | | 99 |
| 59) | C595 4-Nitroaniline | .0 | 9.84 | 138 | 18921 | 24.27 ppb | # | 86 |
| 61) | D200 12Diphenylhydrazin | | 9.98 | 77 | 137548 | 43.96 ppb | | 94 |
| 62) | C610 4,6-Din-2-mephenol | .0 | 9.87 | 198 | 26158 | 40.09 ppb | | 100 |
| 63) | C615 N-Nitrosodiphamine | .0 | 9.94 | 169 | 81732 | 38.47 ppb | | 96 |
| 65) | C625 4-Brphenphen ether | .1 | 10.39 | 248 | 28405 | 38.62 ppb | | 96 |
| 66) | A626 Atrazine | .01 | 10.61 | 200 | 25788 | 31.38 ppb | | 94 |
| 67) | C630 Hexachlorobenzene | .1 | 10.48 | 284 | 27760 | 39.43 ppb | | 93 |
| 68) | C635 Pentachlorophenol | .0 | 10.74 | 266 | 19914 | 34.16 ppb | | 100 |
| 69) | C647 Carbazole | .0 | 11.25 | 167 | 120846 | 34.48 ppb | | 99 |
| 70) | C640 Phenanthrene | .7 | 10.98 | 178 | 163373 | 37.63 ppb | | 99 |
| 71) | C645 Anthracene | .7 | 11.04 | 178 | 158081 | 36.72 ppb | | 99 |
| 72) | C650 Di-n-butylphthalat | .0 | 11.67 | 149 | 205257 | 39.59 ppb | | 99 |
| 73) | C655 Fluoranthene | .6 | 12.51 | 202 | 219715 | 36.45 ppb | | 100 |
| 75) | C715 Pyrene | .6 | 12.82 | 202 | 227752 | 28.92 ppb | | 99 |
| 77) | C720 Butylbenzylphthal | .0 | 13.73 | 149 | 131001 | 30.92 ppb | | 93 |
| 78) | C725 3,3'-Diclbenzidine | .0 | 14.52 | 252 | 77855 | 26.76 ppb | | 96 |
| 79) | C730 Benzo(a)anthracene | .8 | 14.55 | 228 | 276810 | 33.43 ppb | | 99 |
| 80) | C735 Chrysene | .7 | 14.61 | 228 | 239830 | 33.83 ppb | | 100 |
| 81) | C740 bis(2-Ethex)phthal | .0 | 14.59 | 149 | 203231 | 32.84 ppb | | 95 |
| 83) | C760 Di-n-octylphthalat | .0 | 15.54 | 149 | 367891 | 37.07 ppb | | 100 |
| 84) | C765 Bzo(b)fluoranthene | .7 | 16.10 | 252 | 282810 | 32.15 ppb | | 99 |
| 85) | C770 Bzo(k)fluoranthene | .7 | 16.15 | 252 | 281919 | 37.63 ppb | | 98 |
| 86) | C775 Benzo(a)pyrene | .7 | 16.55 | 252 | 251246 | 33.97 ppb | | 99 |
| 87) | C780 Indeno(123-cd)pyre | .5 | 18.00 | 276 | 320131 | 35.83 ppb | | 96 |
| 88) | C785 Dibz(ah)anthracene | .4 | 18.01 | 278 | 287566 | 39.07 ppb | | 98 |
| 89) | C790 Bzo(g,h,i)perylene | .5 | 18.37 | 276 | 210420 | 31.34 ppb | | 98 |

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

020073

Method : Q:\DATAB\BBASIC.M (RTE Integrator)
Title : Custom Basic Standard
Last Update : Thu Dec 14 10:49:46 2006
Response via : Initial Calibration

Continuing Calibration File: 1214B03.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 25% Max. Rel. Area : 200%

| | | | Compound | AvgRF | CCRF | %Dev | Area% |
|---|---|---|---|---|---|---|---|
| 1 | I | CI30 | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 57 |
| 2 | | | N,N-Dimethylformamide | 0.776 | 0.539 | 30.5 # | 38# |
| 3 | | D265 | o-Toluidine | 1.718 | 1.996 | -16.2 | 65 |
| 4 | I | CI40 | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 64 |
| 5 | I | CI50 | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 71 |
| 6 | | | 2,3-Toluenedamine | 0.606 | 0.534 | 11.9 | 60 |
| 7 | | | 2,5-Toluenediamine | 0.567 | 0.432 | 23.9 | 54 |
| 8 | | | 2,4-Toluenedimaine | 0.570 | 0.328 | 42.5 # | 42# |
| 9 | | | 1,4-Dinitrobenzene | 0.175 | 0.158 | 9.6 | 67 |
| 10 | I | CI60 | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 74 |
| 11 | | | Benzidine | 0.890 | 0.739 | 17.1 | 75 |
| 12 | I | CI70 | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 86 |
| 13 | I | CI75 | Perylene-d12 | 1.000 | 1.000 | 0.0 | 87 |

(#) = Out of Range SPCC's out = 0 CCC's out = 0 020074

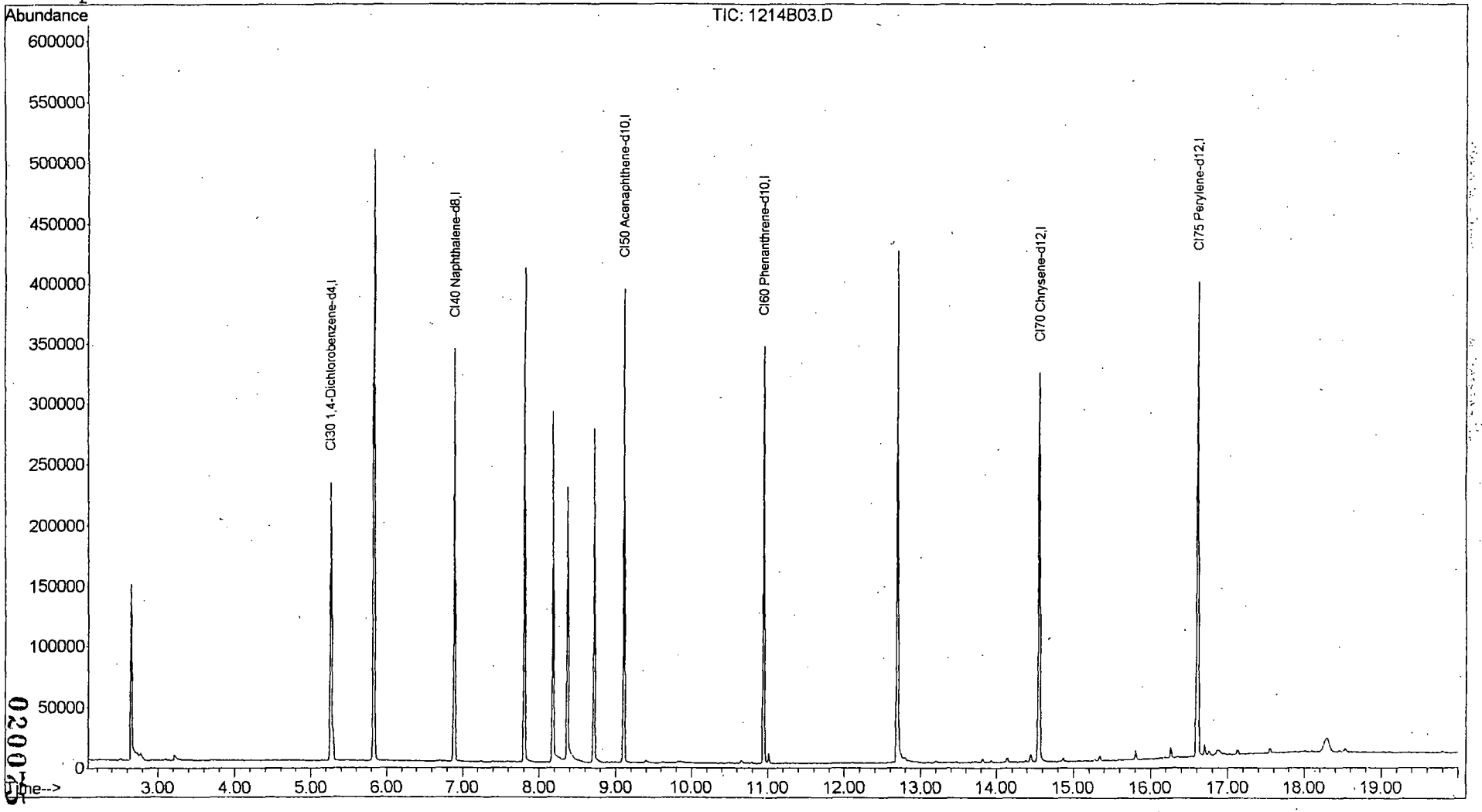
Quantitation Report

Data File : Q:\DATAB\121406\1214B03.D
Acq On : 14 Dec 2006 10:18
Sample : 534-43-BASIC40
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 14 10:50 2006

Vial: 4
Operator:
Inst : 5973N
Multiplr: 1.00

Quant Results File: BBASIC.RES

Method : Q:\DATAB\BBASIC.M (RTE Integrator)
Title : Custom Basic Standard
Last Update : Thu Dec 07 10:50:18 2006
Response via : Initial Calibration



Data File : Q:\DATAB\121406\1214B03.D Vial: 4
Acq On : 14 Dec 2006 10:18 Operator:
Sample : 534-43-BASIC40 Inst : 5973N
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 14 10:50 2006 Quant Results File: BBASIC.RES

Quant Method : Q:\DATAB\BBASIC.M (RTE Integrator)
Title : Custom Basic Standard
Last Update : Thu Dec 07 10:50:18 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC
IS QA File : Q:\DATAB\120706\1207B04.D (7 Dec 2006 10:28)

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) / Rcv(Ar ) |
|---|---|---|---|---|---|---|
| 1) CI30 1,4-Dichlorobenzene-d | 5.26 | 152 | 42644 | 20.00 | ppb | -0.04 / 72.05% |
| 4) CI40 Naphthalene-d8 | 6.89 | 136 | 165140 | 20.00 | ppb | -0.04 / 77.88% |
| 5) CI50 Acenaphthene-d10 | 9.10 | 164 | 88910 | 20.00 | ppb | -0.05 / 89.37% |
| 10) CI60 Phenanthrene-d10 | 10.94 | 188 | 131283 | 20.00 | ppb | -0.05 / 95.40% |
| 12) CI70 Chrysene-d12 | 14.55 | 240 | 135492 | 20.00 | ppb | -0.06 / 110.64% |
| 13) CI75 Perylene-d12 | 16.61 | 264 | 170399 | 20.00 | ppb | -0.05 / 110.51% |

System Monitoring Compounds

| Target Compounds | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 2) N,N-Dimethylformamide | 2.65 | 73 | 45959 | 27.79 | ppb | # 82 |
| 3) D265 o-Toluidine | 5.82 | 106 | 170226 | 46.46 | ppb | 98 |
| 6) 2,3-Toluenedamine | 7.81 | 122 | 95035 | 35.25 | ppb | 99 |
| 7) 2,5-Toluenediamine | 8.18 | 122 | 76752 | 30.44 | ppb | 99 |
| 8) 2,4-Toluenedimaine | 8.37 | 121 | 58315 | 23.02 | ppb | # 100 |
| 9) 1,4-Dinitrobenzene | 8.71 | 168 | 28118 | 36.16 | ppb | # 69 |
| 11) Benzidine | 12.69 | 184 | 193909 | 33.18 | ppb | 100 |

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

FORM 8

CAN BE

FOUND

IN THE

QC SUMMARY

Pace Analytical™
www.pacelabs.com

**SEMIVOLATILE**

**SAMPLE DATA**

**SDG: 2064976**

Pace Analytical
New Orleans Laboratory

# Report of Laboratory Analysis

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

**Client:** EA Engineering,Science &Tech

**Client ID:** 2WSW6-EPA
**Site:** None
**Project:** Gulfco Marine Superfund Site
**Project No.:** 2064976
**Sample Qu:**
**Lab ID:** 20489238
**Matrix:** Water
**% Moisture:** n/a
**Description:** None
**Prep Level:** Water
**Batch:** 79793
**Method:** 8270 SVOAs Dual pH
**Units:** ug/L
**Target List:** 82702 WL20
**Collected:** 12/06/06
**Received:** 12/08/06
**Prep Factor:** 1
**Prepared:** 12/11/06
**Analyzed:** 12/14/06 16:55 JAM (1)

| CAS Number | Parameter | Dilution | Result | Qu | Adjusted MDL | Reporting Limit | Reg. Limit |
|---|---|---|---|---|---|---|---|
| 83-32-9 | Acenaphthene | 1 | ND | | 0.704 | 10.0 | |
| 208-96-8 | Acenaphthylene | 1 | ND | | 0.986 | 10.0 | |
| 98-86-2 | Acetophenone | 1 | ND | | 1.42 | 10.0 | |
| 62-53-3 | Aniline – UJ CCV | 1 | ND | | 1.72 | 10.0 | |
| 120-12-7 | Anthracene | 1 | ND | | 1.12 | 10.0 | |
| 1912-24-9 | Atrazine | 1 | ND | | | 10.0 | |
| 100-52-7 | Benzaldehyde | 1 | ND | | | 10.0 | |
| 92-87-5 | Benzidine | 1 | ND | | | 30.0 | |
| 56-55-3 | Benzo(a)anthracene | 1 | ND | | 0.785 | 10.0 | |
| 205-99-2 | Benzo(b)fluoranthene | 1 | ND | | 1.27 | 10.0 | |
| 207-08-9 | Benzo(k)fluoranthene | 1 | ND | | 1.27 | 10.0 | |
| 65-85-0 | Benzoic acid | 1 | ND | | 3.78 | 25.0 | |
| 191-24-2 | Benzo(g,h,i)perylene | 1 | ND | | 1.65 | 10.0 | |
| 50-32-8 | Benzo(a)pyrene | 1 | ND | | 1.08 | 10.0 | |
| 100-51-6 | Benzyl alcohol | 1 | ND | | 1.37 | 10.0 | |
| 92-52-4 | Biphenyl (Diphenyl) | 1 | ND | | | 10.0 | |
| 101-55-3 | 4-Bromophenylphenyl ether | 1 | ND | | 0.986 | 10.0 | |
| 85-68-7 | Butylbenzylphthalate | 1 | ND | | 1.20 | 10.0 | |
| 105-60-2 | Caprolactam | 1 | ND | | | 10.0 | |
| 86-74-8 | Carbazole | 1 | ND | | 1.36 | 10.0 | |
| 59-50-7 | 4-Chloro-3-methylphenol | 1 | ND | | 1.26 | 10.0 | |
| 106-47-8 | 4-Chloroaniline – UJ CCV | 1 | ND | | 3.13 | 10.0 | |
| 111-91-1 | bis(2-Chloroethoxy)methane | 1 | ND | | 1.16 | 10.0 | |
| 111-44-4 | bis(2-Chloroethyl) ether | 1 | ND | | 1.02 | 10.0 | |
| 91-58-7 | 2-Chloronaphthalene | 1 | ND | | 0.902 | 10.0 | |
| 95-57-8 | 2-Chlorophenol | 1 | ND | | 1.07 | 10.0 | |
| 7005-72-3 | 4-Chlorophenylphenyl ether | 1 | ND | | 0.903 | 10.0 | |
| 218-01-9 | Chrysene | 1 | ND | | 0.894 | 10.0 | |
| 53-70-3 | Dibenz(a,h)anthracene | 1 | ND | | 1.60 | 10.0 | |
| 132-64-9 | Dibenzofuran | 1 | ND | | 0.886 | 10.0 | |
| 91-94-1 | 3,3'-Dichlorobenzidine – UJ CCV | 1 | ND | | 5.86 | 20.0 | |
| 120-83-2 | 2,4-Dichlorophenol | 1 | ND | | 0.872 | 10.0 | |
| 84-66-2 | Diethylphthalate | 1 | ND | | 1.00 | 10.0 | |

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of extract. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit denotes an actual regulatory limit or a client-requested notification limit.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

1/5/2007 10:15:00

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Pace Analytical®
New Orleans Laboratory

# Report of Laboratory Analysis

**Pace Analytical Services, Inc.**
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

**Client:** EA Engineering,Science &Tech

**Client ID:** 2WSW6-EPA
**Site:** None
**Project:** Gulfco Marine Superfund Site
**Project No.:** 2064976
**Sample Qu:**
**Lab ID:** 20489238
**Matrix:** Water
**% Moisture:** n/a
**Description:** None
**Prep Level:** Water
**Batch:** 79793
**Method:** 8270 SVOAs Dual pH
**Units:** ug/L
**Target List:** 82702 WL20
**Collected:** 12/06/06
**Received:** 12/08/06
**Prep Factor:** 1
**Prepared:** 12/11/06
**Analyzed:** 12/14/06 16:55 JAM (1)

| CAS Number | Parameter | Dilution | Result | Qu | Adjusted MDL | Reporting Limit | Reg. Limit |
|---|---|---|---|---|---|---|---|
| 105-67-9 | 2,4-Dimethylphenol | 1 | ND | | 4.54 | 10.0 | |
| 131-11-3 | Dimethylphthalate | 1 | ND | | 0.836 | 10.0 | |
| 84-74-2 | Di-n-butylphthalate | 1 | ND | | 1.13 | 10.0 | |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1 | ND | | 1.65 | 10.0 | |
| 51-28-5 | 2,4-Dinitrophenol | 1 | ND | | 1.10 | 10.0 | |
| 121-14-2 | 2,4-Dinitrotoluene | 1 | ND | | 0.879 | 10.0 | |
| 606-20-2 | 2,6-Dinitrotoluene | 1 | ND | | 1.01 | 10.0 | |
| 117-84-0 | Di-n-octylphthalate | 1 | ND | | 1.98 | 10.0 | |
| 122-66-7 | 1,2-Diphenylhydrazine | 1 | ND | | 1.79 | 10.0 | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 1 | ND | | 8.62 | 10.0 | |
| 206-44-0 | Fluoranthene | 1 | ND | | 0.967 | 10.0 | |
| 86-73-7 | Fluorene | 1 | ND | | 0.876 | 10.0 | |
| 118-74-1 | Hexachlorobenzene | 1 | ND | | 1.07 | 10.0 | |
| 77-47-4 | Hexachlorocyclopentadiene – UJ CCV | 1 | ND | | 0.750 | 10.0 | |
| 67-72-1 | Hexachloroethane | 1 | ND | | 1.08 | 10.0 | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 1 | ND | | 1.45 | 10.0 | |
| 78-59-1 | Isophorone | 1 | ND | | 1.02 | 10.0 | |
| 91-57-6 | 2-Methylnaphthalene | 1 | ND | | 0.865 | 10.0 | |
| 95-48-7 | 2-Methylphenol (o-Cresol) | 1 | ND | | 2.78 | 10.0 | |
| 88-74-4 | 2-Nitroaniline | 1 | ND | | 0.743 | 10.0 | |
| 99-09-2 | 3-Nitroaniline – UJ CCV | 1 | ND | | 4.26 | 10.0 | |
| 100-01-6 | 4-Nitroaniline – UJ CCV | 1 | ND | | 2.71 | 10.0 | |
| 98-95-3 | Nitrobenzene | 1 | 4.34 | J | 1.98 | 10.0 | |
| 88-75-5 | 2-Nitrophenol | 1 | ND | | 0.927 | 10.0 | |
| 100-02-7 | 4-Nitrophenol | 1 | ND | | 1.33 | 10.0 | |
| 62-75-9 | N-Nitrosodimethylamine | 1 | ND | | 1.08 | 10.0 | |
| 621-64-7 | N-Nitroso-di-n-propylamine | 1 | ND | | 1.38 | 10.0 | |
| 86-30-6 | N-Nitrosodiphenylamine | 1 | ND | A10 | 3.65 | 10.0 | |
| 108-60-1 | 2,2'-Oxybis(1-chloropropane) | 1 | ND | | 0.986 | 10.0 | |
| 85-01-8 | Phenanthrene | 1 | ND | | 0.881 | 10.0 | |
| 108-95-2 | Phenol | 1 | ND | | 1.55 | 10.0 | |
| 129-00-0 | Pyrene – UJ CCV | 1 | ND | | 1.36 | 10.0 | |
| 110-86-1 | Pyridine | 1 | ND | | 2.19 | 10.0 | |

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of extract. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit denotes an actual regulatory limit or a client-requested notification limit.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

1/5/2007 10:15:00

*New Orleans Laboratory Certifications*
*Louisiana Dept. of Environmental Quality (LELAP) - 02006*
*Arkansas Dept. of Environmental Quality - 88-0681*
*Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023*
*Florida Dept. of Health (NELAC) - E87595*
*Kansas Dept. of Health Environment - E-10266*
*U.S. Dept. of Agriculture Foreign Soil Permit - S-47270*

Pace Analytical®
New Orleans Laboratory

# Report of Laboratory Analysis

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

**Client:** EA Engineering,Science &Tech

**Client ID:** 2WSW6-EPA
**Site:** None
**Project:** Gulfco Marine Superfund Site
**Project No.:** 2064976
**Sample Qu:**
**Lab ID:** 20489238
**Matrix:** Water
**% Moisture:** n/a
**Description:** None
**Prep Level:** Water
**Batch:** 79793
**Method:** 8270 SVOAs Dual pH
**Units:** ug/L
**Target List:** 82702 WL20
**Collected:** 12/06/06
**Received:** 12/08/06
**Prep Factor:** 1
**Prepared:** 12/11/06
**Analyzed:** 12/14/06 16:55 JAM (1)

| CAS Number | Parameter | Dilution | Result | Qu | Adjusted MDL | Reporting Limit | Reg. Limit |
|---|---|---|---|---|---|---|---|
| 95-95-4 | 2,4,5-Trichlorophenol | 1 | ND | | 0.814 | 10.0 | |
| 88-06-2 | 2,4,6-Trichlorophenol | 1 | ND | | 0.660 | 10.0 | |

68 compound(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of extract. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit denotes an actual regulatory limit or a client-requested notification limit.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

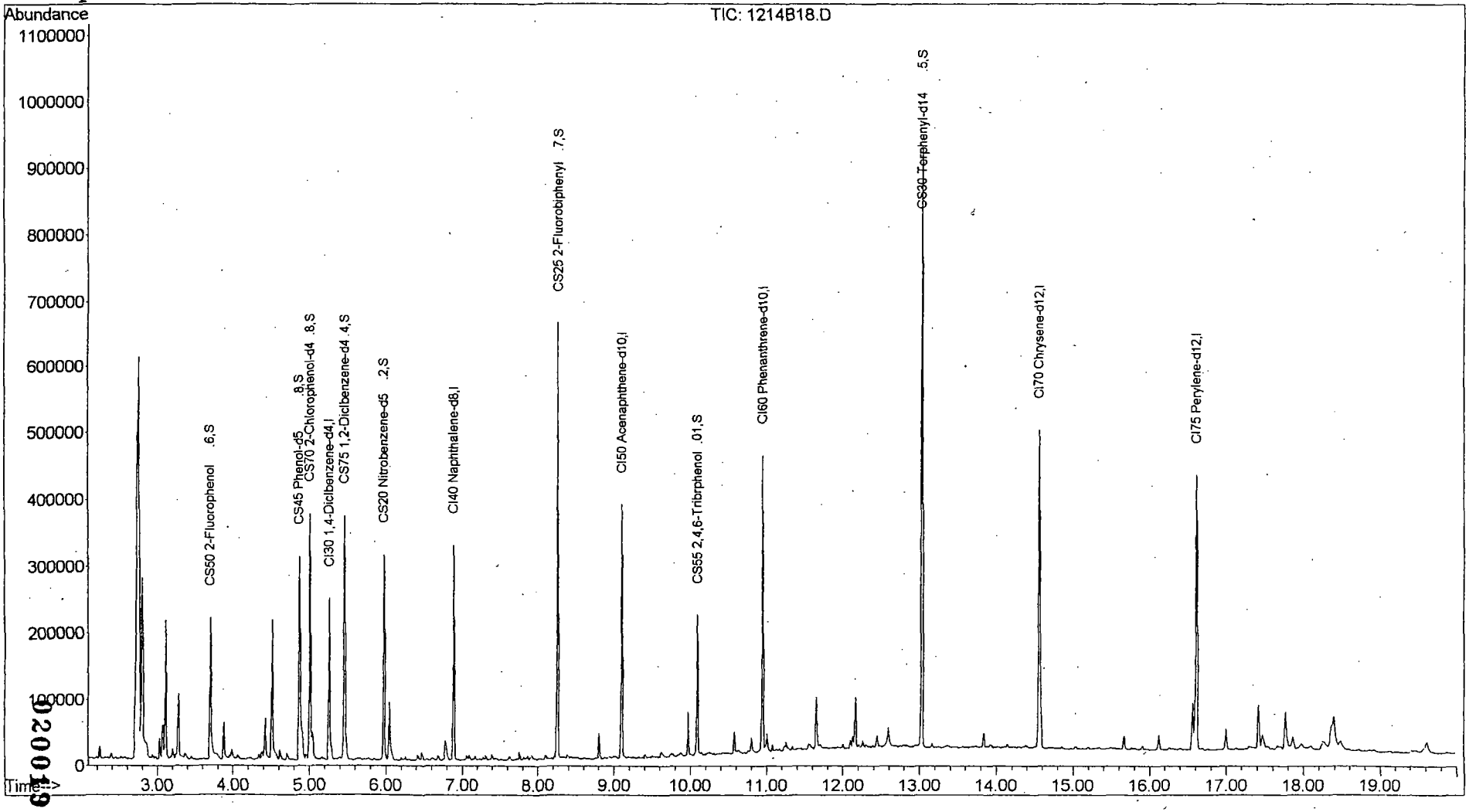
1/5/2007 10:15:00

*New Orleans Laboratory Certifications*
*Louisiana Dept. of Environmental Quality (LELAP) - 02006*
*Arkansas Dept. of Environmental Quality - 88-0681*
*Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023*
*Florida Dept. of Health (NELAC) - E87595*
*Kansas Dept. of Health Environment - E-10266*
*U.S. Dept. of Agriculture Foreign Soil Permit - S-[illegible]*

# Quantitation Report

Data File : Q:\DATAB\121406\1214B18.D  Vial: 19
Acq On : 14 Dec 2006 16:55  Operator:
Sample : 20489238  Inst : 5973N
Misc : 79793 1:1 WATER/1  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 14 17:19 2006  Quant Results File: B103006.RES

Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Thu Dec 14 10:09:37 2006
Response via : Initial Calibration




B20019

Quantitation Report (QT Reviewed)

Data File : Q:\DATAB\121406\1214B18.D Vial: 19
Acq On : 14 Dec 2006 16:55 Operator:
Sample : 20489238 Inst : 5973N
Misc : 79793 1:1 WATER/1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 14 17:19 2006 Quant Results File: B103006.RES

Quant Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Thu Dec 14 10:09:37 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC
IS QA File : Q:\DATAB\121406\1214B01.D (14 Dec 2006 9:26)

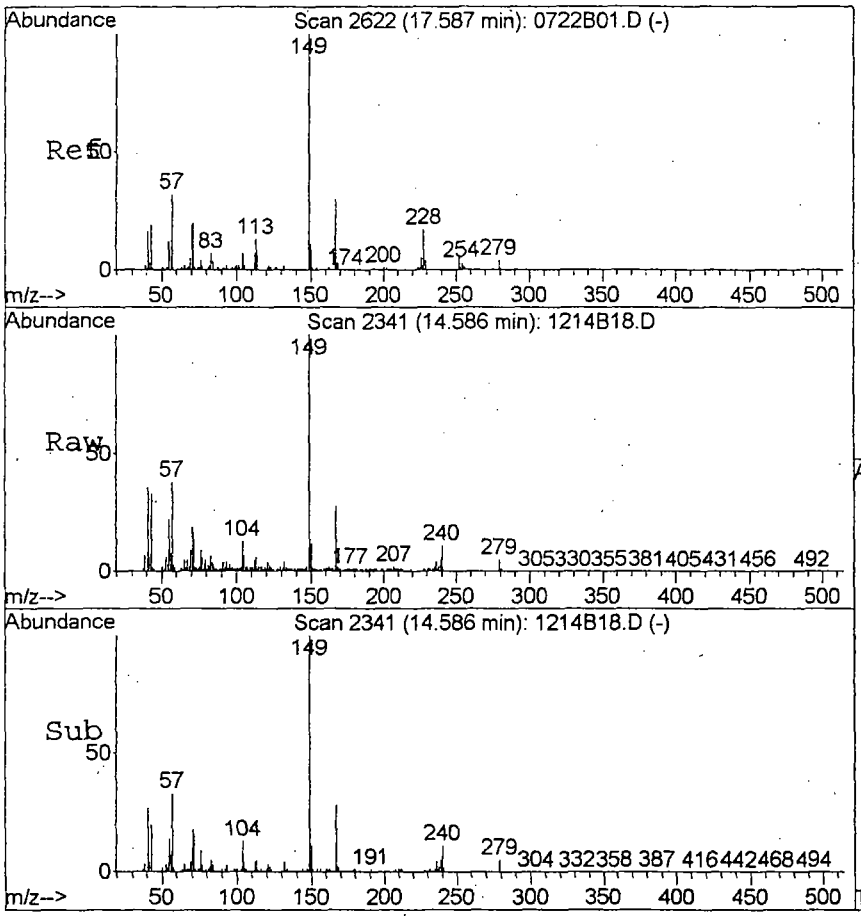
| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) Rcv(Ar ) |
|---|---|---|---|---|---|
| 1) CI30 1,4-Diclbenzene-d4 | 5.26 | 152 | 43163 | 20.00 ppb | 0.00 94.82% |
| 23) CI40 Naphthalene-d8 | 6.89 | 136 | 159850 | 20.00 ppb | -0.01 115.30% |
| 39) CI50 Acenaphthene-d10 | 9.10 | 164 | 89369 | 20.00 ppb | 0.00 139.19% |
| 60) CI60 Phenanthrene-d10 | 10.95 | 188 | 156107 | 20.00 ppb | 0.00 181.36% |
| 74) CI70 Chrysene-d12 | 14.56 | 240 | 188256 | 20.00 ppb | -0.02 135.65% |
| 82) CI75 Perylene-d12 | 16.62 | 264 | 173683 | 20.00 ppb | -0.02 137.28% |

| System Monitoring Compounds | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4) CS50 2-Fluorophenol | .6 | 3.70 | 112 | 60940 | 24.01 ppb | | -0.06 |
| Spiked Amount 75.000 | Range 30 - 105 | | | Recovery = 32.01% | | | |
| 6) CS70 2-Chlorophenol-d4 | .8 | 5.01 | 132 | 104426 | 42.91 ppb | | -0.02 |
| Spiked Amount 75.000 | Range 33 - 110 | | | Recovery = 57.21% | | | |
| 9) CS45 Phenol-d5 | .8 | 4.87 | 99 | 136076 | 44.08 ppb | | -0.01 |
| Spiked Amount 75.000 | Range 30 - 107 | | | Recovery = 58.77% | | | |
| 14) CS75 1,2-Diclbenzene-d4 | .4 | 5.46 | 152 | 58493 | 41.07 ppb | | 0.00 |
| Spiked Amount 50.000 | Range 16 - 110 | | | Recovery = 82.14% | | | |
| 24) CS20 Nitrobenzene-d5 | .2 | 5.97 | 82 | 115952 | 40.04 ppb | | -0.03 |
| Spiked Amount 50.000 | Range 30 - 115 | | | Recovery = 80.08% | | | |
| 43) CS25 2-Fluorobiphenyl | .7 | 8.26 | 172 | 193871 | 39.38 ppb | | -0.02 |
| Spiked Amount 50.000 | Range 30 - 114 | | | Recovery = 78.76% | | | |
| 64) CS55 2,4,6-Tribrphenol | .0 | 10.09 | 330 | 14896 | 32.47 ppb | | -0.03 |
| Spiked Amount 75.000 | Range 30 - 130 | | | Recovery = 43.29% | | | |
| 76) CS30 Terphenyl-d14 | .5 | 13.04 | 244 | 299660 | 49.65 ppb | | 0.00 |
| Spiked Amount 50.000 | Range 30 - 114 | | | Recovery = 99.30% | | | |

| Target Compounds | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 25) C410 Nitrobenzene | .2 | 6.05 | 77 | 12533 | 4.34 ppb | # 54 |
| 81) C740 bis(2-Ethex)phthal | .0 | 14.59 | 149 | 15833 | 1.89 ppb | 99 |

020020

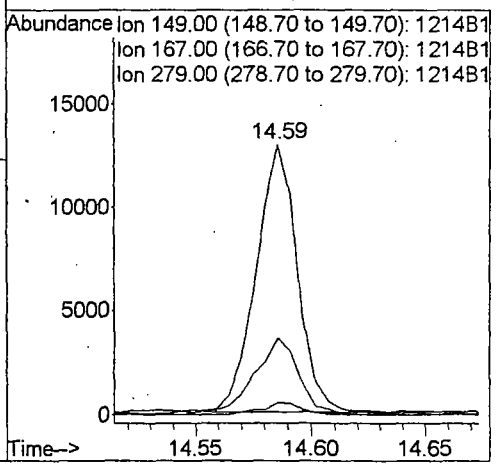
(#) = qualifier out of range (m) = manual integration




#81
C740 bis(2-Ethex)phthal .01
Concen: 1.886 ppb
RT: 14.59 min Scan# 2341
Delta R.T. 0.01 min
Lab File: 1214B18.D
Acq: 14 Dec 2006 16:55

Tgt Ion:149 Resp: 15833

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 30.2 | 10.5 | 50.5 |
| 279 | 4.7 | 0.0 | 26.6 |




020021

Quantitation Report (QT Reviewed)

Data File : Q:\DATAB\121406\1214B18.D Vial: 19
Acq On : 14 Dec 2006 16:55 Operator:
Sample : 20489238 Inst : 5973N
Misc : 79793 1:1 WATER/1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 14 17:20 2006 Quant Results File: BBASIC.RES

Quant Method : Q:\DATAB\BBASIC.M (RTE Integrator)
Title : Custom Basic Standard
Last Update : Thu Dec 14 10:49:46 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC
IS QA File : Q:\DATAB\121406\1214B03.D (14 Dec 2006 10:18)

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) Rcv(Ar ) |
|---|---|---|---|---|---|---|
| 1) CI30 1,4-Dichlorobenzene-d | 5.26 | 152 | 43163 | 20.00 | ppb | -0.04 101.22% |
| 4) CI40 Naphthalene-d8 | 6.89 | 136 | 159850 | 20.00 | ppb | -0.04 96.80% |
| 5) CI50 Acenaphthene-d10 | 9.10 | 164 | 89369 | 20.00 | ppb | -0.04 100.52% |
| 10) CI60 Phenanthrene-d10 | 10.95 | 188 | 156107 | 20.00 | ppb | -0.04 118.91% |
| 12) CI70 Chrysene-d12 | 14.56 | 240 | 188256 | 20.00 | ppb | -0.04 138.94% |
| 13) CI75 Perylene-d12 | 16.62 | 264 | 173683 | 20.00 | ppb | -0.04 101.93% |

System Monitoring Compounds

Target Compounds Qvalue

020022

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

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**VOLATILE**

**SAMPLE PREPARATION PACKAGE**

**SDG: 2064976**

010123

INSTRUMENT RUNLOG

1.067
~~7.05~~

SC

# MS VOA 102506

Instrument: Z
Column: VMS 30m
Injector: 250
Initial oven Temp: 30c hold 4
Temp ramp: 24 to 95 40 to 210
Final oven temp: 210
Carrier: Helium
Internal Standard: _____

420-100-ISC.
420-94-SC.

Trap: Type B
Purge: 40ml/min 8
Desorb: 180C 3min
Bake: 180C 4min

☐ Septum changed?
☐ Column trimmed?
☐ Injection liner changed?

REVIEWED
OCT 26 2006

| | File | Lab ID | Extra | Batch | DF | Date | Time | Comments | pH |
|---|---|---|---|---|---|---|---|---|---|
| 36 | 1025Z38 | 20479949 | 1.112 | 78144 | 1 | 26-Oct-06 | 0:15 | | |
| 37 | 1025Z39 | 20479409 | 1.0 | 78144 | 1 | 26-Oct-06 | 0:34 | | |
| 38 | 1025Z40 | 20479410 | 1.0 | 78144 | 1 | 26-Oct-06 | 0:53 | | |
| 39 | 1025Z41 | FLUSH | | | 1 | 26-Oct-06 | 1:12 | | |
| 40 | 1025Z42 | FLUSH | | | 1 | 26-Oct-06 | 1:31 | | |
| 41 | 1025Z43 | SSTD005 / BFB | 1.2024 ✓ | | 1 | 26-Oct-06 | 1:50 | ✓ or | |
| 42 | 1025Z44 | SSTD010 | 1.0834 ✓ | | 1 | 26-Oct-06 | 2:09 | | |
| 43 | 1025Z45 | SSTD020 | 1.0679 ✓ | | 1 | 26-Oct-06 | 2:28 | | |
| 44 | 1025Z46 | SSTD050 | 1.0539 ✓ | | 1 | 26-Oct-06 | 2:47 | | |
| 45 | 1025Z47 | SSTD100 | 0.9975 ✓ | | 1 | 26-Oct-06 | 3:06 | | |
| 46 | 1025Z48 | SSTD250 | 0.9987 ✓ | | 1 | 26-Oct-06 | 3:27 | | |

010124

# INSTRUMENT RUNLOG

MS VOA 121406

0.500
0.580

Instrument: Z
Column: VMS 30m
Injector: 250
Initial oven Temp: 30c hold 4
Temp ramp: 24 to 95 40 to 210
Final oven temp: 210
Carrier: Helium

Trap: Type B
Purge: 40ml/min 8
Desorb: 180C 3min
Bake: 180C 4min

Internal Standard: 400-100 ISSS
577-3-8260 VCSO
577-3-8260 VGSO
577-5-8260 RCSO
577-3-8260 HSOSO
577-5-8260 MSGSO
400-98-ISSO
400-98-SSSO

☐ Septum changed?
☐ Column trimmed?
☐ Injection liner changed?

| | File | Lab ID | Extra | Batch | DF | Date | Time | Comments | pH |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1214Z01 | FLUSH | | | 1 | 14-Dec-06 | 9:47 | | |
| 2 | 1214Z02 | FLUSH | | | 1 | 14-Dec-06 | 10:07 | | |
| 3 | 1214Z04 | FLUSH | | | 1 | 14-Dec-06 | 10:48 | | |
| 4 | 1214Z05 | VSTD005 0.5424 | | | 1 | 14-Dec-06 | 11:07 | Initial | |
| 5 | 1214Z06 | VSTD010 0.5449 | | | 1 | 14-Dec-06 | 11:27 | | |
| 6 | 1214Z07 | VSTD020 0.5489 | | | 1 | 14-Dec-06 | 11:46 | | |
| 7 | 1214Z08 | VSTD050 0.6151 | | | 1 | 14-Dec-06 | 12:06 | | |
| 8 | 1214Z09 | VSTD100 0.5902 | | | 1 | 14-Dec-06 | 12:27 | | |
| 9 | 1214Z10 | VSTD250 0.6360 | | | 1 | 14-Dec-06 | 12:46 | | |
| 10 | 1214Z11 | FLUSH | | | 1 | 14-Dec-06 | 13:05 | | |
| 11 | 1214Z12 | VSTD050IC | | | 1 | 14-Dec-06 | 13:24 | | |
| 12 | 1214Z13 | 20489859/B | 5.0mL | 79935 | 1 | 14-Dec-06 | 14:21 | ✓ | L2 |
| 13 | 1214Z14 | 20489860/S | 5.0mL | 79935 | 1 | 14-Dec-06 | 14:40 | ✓ $CH_2Cl_2$ ↑ | |
| 14 | 1214Z15 | 20488635 | 5.0mL | 79935 | 1 | 14-Dec-06 | 15:03 | ✓ | |
| 15 | 1214Z16 | 20489861/MS | 5.0mL | 79935 | 1 | 14-Dec-06 | 15:23 | ✓ | |
| 16 | 1214Z17 | 20489862/MSD | 5.0mL | 79935 | 1 | 14-Dec-06 | 15:42 | ✓ | |
| 17 | 1214Z18 | 20488636 | 5.0mL | 79935 | 1 | 14-Dec-06 | 16:01 | ✓ | |
| 18 | 1214Z19 | 20488637 | 5.0mL | 79935 | 1 | 14-Dec-06 | 16:21 | ✓ | |
| 19 | 1214Z20 | 20488896 | 5.0mL | 79935 | 1 | 14-Dec-06 | 16:40 | ✓ | |
| 20 | 1214Z21 | 20488897 | 5.0mL | 79935 | 1 | 14-Dec-06 | 16:59 | ✓ | |
| 21 | 1214Z22 | 20488898 | 5.0mL | 79935 | 1 | 14-Dec-06 | 17:18 | ✓ | |
| 22 | 1214Z23 | 20488899 | 5.0mL | 79935 | 1 | 14-Dec-06 | 17:39 | ✓ | |
| 23 | 1214Z24 | 20488900 | 5.0mL | 79935 | 1 | 14-Dec-06 | 17:58 | ✓ | |
| 24 | 1214Z25 | 20488901 | 5.0mL | 79935 | 1 | 14-Dec-06 | 18:17 | ✓ | |
| 25 | 1214Z26 | 20488902 | 5.0mL | 79935 | 1 | 14-Dec-06 | 18:40 | ✓ | |
| 26 | 1214Z27 | 20488903 | 5.0mL | 79935 | 1 | 14-Dec-06 | 18:59 | ✓ | |
| 27 | 1214Z28 | 20488904 | 5.0mL | 79935 | 1 | 14-Dec-06 | 19:18 | ✓ | |
| 28 | 1214Z29 | 20488905 | 1.0mL | 79935 | 5 | 14-Dec-06 | 19:40 | DL Cl, Me, CT ↑ | |
| 29 | 1214Z30 | 20488906 | 5.0mL | 79935 | 1 | 14-Dec-06 | 19:59 | DL R2C.O | |
| 30 | 1214Z31 | 20488907 | 5.0mL | 79935 | 1 | 14-Dec-06 | 20:18 | R2C.O | |
| 31 | 1214Z32 | 20488908 | 5.0mL | 79935 | 1 | 14-Dec-06 | 20:41 | R2C.O | |
| 32 | 1214Z33 | 20489291 | 1.0mL | 79935 | 5 | 14-Dec-06 | 21:00 | ✓ | |
| 33 | 1214Z34 | 20489292 | 500uL | 79935 | 10 | 14-Dec-06 | 21:19 | ✓ | |
| 34 | 1214Z35 | 20489293 | 100uL | 79935 | 50 | 14-Dec-06 | 21:44 | ✓ | |
| 35 | 1214Z36 | 20489294 | 5.0mL | 79935 | 1 | 14-Dec-06 | 22:03 | ✓ 010125 | ✓ |

# INSTRUMENT RUNLOG

## MS VOA 121806

0.500/0.520

Instrument: Z
Column: VMS 30m
Injector: 250
Initial oven Temp: 30c hold 4
Temp ramp: 24 to 95 40 to 210
Final oven temp: 210
Carrier: Helium
Internal Standard: 4100-100 IS55
577-3-8260 VCSO
577-6-8260 VSSO
577-5-8260 RCSO
577-3-8260 MSVSO
577-5-8260-MSSSO
4100-514-SSTD50

Trap: Type B
Purge: 40ml/min 8
Desorb: 180C 3min
Bake: 180C 4min

☐ Septum changed?
☐ Column trimmed?
☐ Injection liner changed?

4477431
0.5765

| | File | Lab ID | Extra | Batch | DF | Date | Time | Comments | pH |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1218Z03 | VSTD050 | | | 1 | 18-Dec-06 | 12:39 | | |
| 2 | 1218Z04 | SSTD050 | | | 1 | 18-Dec-06 | 13:07 | | |
| 3 | 1218Z05 | 204XXXXX/B | 5.0mL | 79944 | 1 | 18-Dec-06 | 13:26 | ✓ | |
| 4 | 1218Z06 | 204XXXXX/S | 5.0mL | 79944 | 1 | 18-Dec-06 | 13:45 | ✓ | |
| 5 | 1218Z07 | 20489586 | 2.5uL | 79944 | 2000 | 18-Dec-06 | 14:09 | DL CHL ↑ Meok | 2J |
| 6 | 1218Z08 | 20489231 | 5.0mL | 80059 | 1 | 18-Dec-06 | 14:31 | ✓ | |
| 7 | 1218Z09 | 20490723/MS | 5.0mL | 80059 | 1 | 18-Dec-06 | 14:50 | ✓ | |
| 8 | 1218Z10 | 20490724/MSD | 5.0mL | 80059 | 1 | 18-Dec-06 | 15:09 | ✓ | |
| 9 | 1218Z11 | 20489232 | 5.0mL | 80059 | 1 | 18-Dec-06 | 15:28 | ✓ | |
| 10 | 1218Z12 | 20489238 | 5.0mL | 80059 | 1 | 18-Dec-06 | 15:48 | ✓ | |
| 11 | 1218Z13 | 20489239 | 5.0mL | 80059 | 1 | 18-Dec-06 | 16:08 | ✓ | |
| 12 | 1218Z14 | 20490323 | 5.0mL | 80059 | 1 | 18-Dec-06 | 16:27 | ✓ | |
| 13 | 1218Z15 | 20490324 | 5.0mL | 80059 | 1 | 18-Dec-06 | 16:46 | ✓ | |
| 14 | 1218Z16 | 20490325 | 5.0mL | 80059 | 1 | 18-Dec-06 | 17:05 | ✓ | |
| 15 | 1218Z17 | 20490326 | 5.0mL | 80059 | 1 | 18-Dec-06 | 17:25 | ✓ | |
| 16 | 1218Z18 | 20490327 | 5.0mL | 80059 | 1 | 18-Dec-06 | 17:45 | ✓ | |
| 17 | 1218Z19 | 20490328 | 5.0mL | 80059 | 1 | 18-Dec-06 | 18:05 | ✓ | |
| 18 | 1218Z20 | 20490329 | 5.0mL | 80059 | 1 | 18-Dec-06 | 18:24 | ✓ | |
| 19 | 1218Z21 | 20490330 | 5.0mL | 80059 | 1 | 18-Dec-06 | 18:44 | RRM2 | |
| 20 | 1218Z22 | 20490331 | 5.0mL | 80059 | 1 | 18-Dec-06 | 19:03 | ✓ | |
| 21 | 1218Z23 | 20490332 | 5.0mL | 80059 | 1 | 18-Dec-06 | 19:23 | ✓ | |
| 22 | 1218Z24 | 20490333 | 5.0mL | 80059 | 1 | 18-Dec-06 | 19:43 | RRM2 | |
| 23 | 1218Z25 | 20490334 | 5.0mL | 80059 | 1 | 18-Dec-06 | 20:02 | | |
| 24 | 1218Z26 | 20490335 | 5.0mL | 80059 | 1 | 18-Dec-06 | 20:22 | | |
| 25 | 1218Z27 | 20489928 | 5.0mL | 80059 | 1 | 18-Dec-06 | 20:41 | | |
| 26 | 1218Z28 | 20490725/B | 5.0mL | 80060 | 1 | 18-Dec-06 | 21:00 | RRM2 | |
| 27 | 1218Z29 | 20490726/S | 5.0mL | 80060 | 1 | 18-Dec-06 | 21:20 | | |
| 28 | 1218Z30 | 20490618 | 5.0mL | 80060 | 1 | 18-Dec-06 | 21:39 | | |
| 29 | 1218Z31 | 20490619 | 5.0mL | 80060 | 1 | 18-Dec-06 | 21:58 | | |
| 30 | 1218Z32 | 20490620 | 5.0mL | 80060 | 1 | 18-Dec-06 | 22:18 | | |
| 31 | 1218Z33 | 20490621 | 5.0mL | 80060 | 1 | 18-Dec-06 | 22:37 | | |
| 32 | 1218Z34 | 20490622 | 5.0mL | 80060 | 1 | 18-Dec-06 | 22:56 | | |
| 33 | 1218Z35 | 20490623 | 5.0mL | 80060 | 1 | 18-Dec-06 | 23:15 | | |
| 34 | 1218Z36 | 20489909 | 5.0mL | 80060 | 1 | 18-Dec-06 | 23:34 | | |
| 35 | 1218Z37 | 20489910 | 5.0mL | 80060 | 1 | 18-Dec-06 | 23:54 | | |

010126

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**VOLATILE**

**STANDARDS DATA**

**SDG: 2064976**

Response Factor Report Inst_Z

Method : C:\DATAZ\SCZ1025.M (RTE Integrator)
Title : Special VOAs - Z
Last Update : Thu Oct 26 09:01:55 2006
Response via : Initial Calibration

Calibration Files
5 =1025Z43.D 10 =1025Z44.D 20 =1025Z45.D
50 =1025Z46.D 100 =1025Z47.D 250 =1025Z48.D

| | | Compound | 5 | 10 | 20 | 50 | 100 | 250 | Avg | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|
| 1) | I | CI05 Pentafluorobenze | ----------ISTD---------- | | | | | | | |
| 2) | | SS72 1,3-Butadiene | 1.202 | 1.083 | 1.068 | 1.054 | 0.997 | 0.999 | 1.067 | 7.05 |
| 3) | | SS73 2-Methyl butan | 1.358 | 1.199 | 1.083 | 1.063 | 0.986 | 0.944 | 1.105 | 13.75 |
| 4) | | SS79 Isoprene | 1.644 | 1.463 | 1.390 | 1.386 | 1.317 | 1.249 | 1.408 | 9.69 |
| 5) | T | SS89 Ethyl ether | 0.404 | 0.319 | 0.330 | 0.303 | 0.298 | 0.292 | 0.324 | 12.80 |
| 6) | T | SS98 Pentane | 0.979 | 0.889 | 0.826 | 0.781 | 0.748 | 0.663 | 0.814 | 13.59 |
| 7) | | SS67 Isobutylchlori | 2.457 | 2.119 | 2.044 | 2.018 | 2.029 | 1.963 | 2.105 | 8.53 |
| 8) | I | CI10 1,4-Difluorobenz | ----------ISTD---------- | | | | | | | |
| 9) | T | SS43 Isooctane | 2.229 | 1.935 | 1.800 | 1.831 | 1.770 | 1.745 | 1.885 | 9.59 |
| 10) | T | SS26 Heptane | 0.974 | 0.825 | 0.785 | 0.792 | 0.800 | 0.790 | 0.828 | 8.81 |
| 11) | T | SS22 2-Nitropropane | 0.021 | 0.016 | 0.018 | 0.019 | 0.020 | 0.021 | 0.019 | 9.55 |
| 12) | | SS71 n-Propyl aceta | 0.185 | 0.185 | 0.169 | 0.172 | 0.171 | 0.174 | 0.176 | 4.14 |
| 13) | T | SS21 Epichlorohydri | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 14.37 |
| 14) | T | SS27 Sec-butyl Ethe | 1.044 | 0.924 | 0.871 | 0.880 | 0.851 | 0.851 | 0.903 | 8.16 |
| 15) | I | CI15 Chlorobenzene-d5 | ----------ISTD---------- | | | | | | | |
| 16) | T | SS45 Tetrahydrothio | 0.095 | 0.083 | 0.089 | 0.091 | 0.094 | 0.097 | 0.091 | 5.56 |
| 17) | T | SS06 Cyclohexanone | 0.017 | 0.015 | 0.017 | 0.014 | 0.017 | 0.016 | 0.016 | 6.99 |
| 18) | I | CI20 1,4-Dichlroobenz | ----------ISTD---------- | | | | | | | |
| 19) | T | SS98 4-Methylstyren | 2.335 | 2.102 | 2.230 | 2.246 | 2.352 | 2.323 | 2.265 | 4.13 |
| 20) | | SS99 Dicyclopentadi | 9.775 | 8.405 | 8.298 | 7.631 | 7.458 | 6.943 | 8.085 | 12.25 |
| 21) | | SS83 Benzoyl chlori | 0.063 | 0.034 | 0.029 | 0.021 | 0.020 | 0.019 | 0.031B | 54.61B |
| | | | | | | | | L | M= 0.018 | R=1.000 |
| | | | | | | | | | B= 0.004 | |

Total Average %RSD 9.31

L = Linear LO = Linear+Origin Q = Quad QO = Quad+Origin R = Corr. Coef
(#) = Out of Range (B) = Before Regression

SCZ1025.M Thu Oct 26 09:03:14 2006

Concentration Report for SCZ1025.M

Method : C:\DATAZ\SCZ1025.M (RTE Integrator)
Title : Special VOAs - Z

COLUMN A — Calibration Levels

| | compound name | 5 | 10 | 20 | 50 | 100 | 250 |
|---|---|---|---|---|---|---|---|
| 1 | CI05 Pentafluor | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| 2 | SS72 1,3-Butadi | 5.0 | 10.0 | 20.0 | 50.0 | 100.0 | 250.0 |
| 3 | SS73 2-Methyl b | 5.0 | 10.0 | 20.0 | 50.0 | 100.0 | 250.0 |
| 4 | SS79 Isoprene | 10.0 | 20.0 | 40.0 | 100.0 | 200.0 | 500.0 |
| 5 | SS89 Ethyl ethe | 5.0 | 10.0 | 20.0 | 50.0 | 100.0 | 250.0 |
| 6 | SS98 Pentane | 10.0 | 20.0 | 40.0 | 100.0 | 200.0 | 500.0 |
| 7 | SS67 Isobutylch | 5.0 | 10.0 | 20.0 | 50.0 | 100.0 | 250.0 |
| 8 | CI10 1,4-Difluo | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| 9 | SS43 Isooctane | 10.0 | 20.0 | 40.0 | 100.0 | 200.0 | 500.0 |
| 10 | SS26 Heptane | 5.0 | 10.0 | 20.0 | 50.0 | 100.0 | 250.0 |
| 11 | SS22 2-Nitropro | 20.0 | 40.0 | 80.0 | 200.0 | 400.0 | 1000.0 |
| 12 | SS71 n-Propyl a | 5.0 | 10.0 | 20.0 | 50.0 | 100.0 | 250.0 |
| 13 | SS21 Epichloroh | 100.0 | 200.0 | 400.0 | 1000.0 | 2000.0 | 5000.0 |
| 14 | SS27 Sec-butyl | 5.0 | 10.0 | 20.0 | 50.0 | 100.0 | 250.0 |
| 15 | CI15 Chlorobenz | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| 16 | SS45 Tetrahydro | 5.0 | 10.0 | 20.0 | 50.0 | 100.0 | 250.0 |
| 17 | SS06 Cyclohexan | 100.0 | 200.0 | 400.0 | 1000.0 | 2000.0 | 5000.0 |
| 18 | CI20 1,4-Dichlr | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| 19 | SS98 4-Methylst | 5.0 | 10.0 | 20.0 | 50.0 | 100.0 | 250.0 |
| 20 | SS99 Dicyclopen | 5.0 | 10.0 | 20.0 | 50.0 | 100.0 | 250.0 |
| 21 | SS83 Benzoyl ch | 5.0 | 10.0 | 20.0 | 50.0 | 100.0 | 250.0 |

Quantitation Report

Data File : C:\DATAZ\102506\1025Z43.D
Acq On : 26 Oct 2006 1:50
Sample : SSTD005
Misc :
MS Integration Params: RTEENT.P
Quant Time: Oct 26 8:57 2006

Vial: 43
Operator:
Inst : Inst_Z
Multiplr: 1.00

Quant Results File: SCZ1025.RES

Method : R:\DATAZ\Z102306.M (RTE Integrator)
Title : 8260 LIST Z
Last Update : Wed Oct 25 13:09:11 2006
Response via : Initial Calibration

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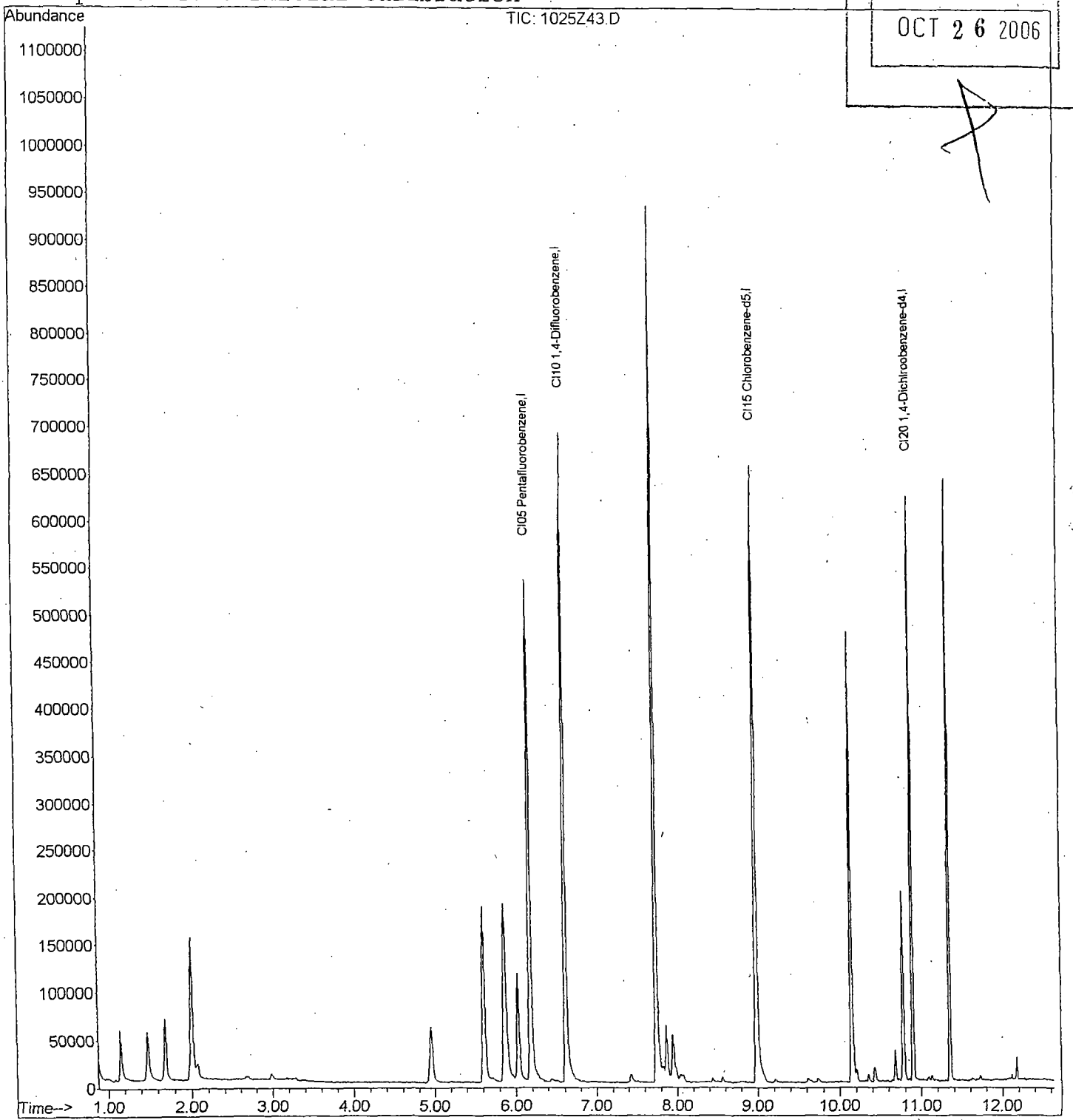
OCT 26 2006



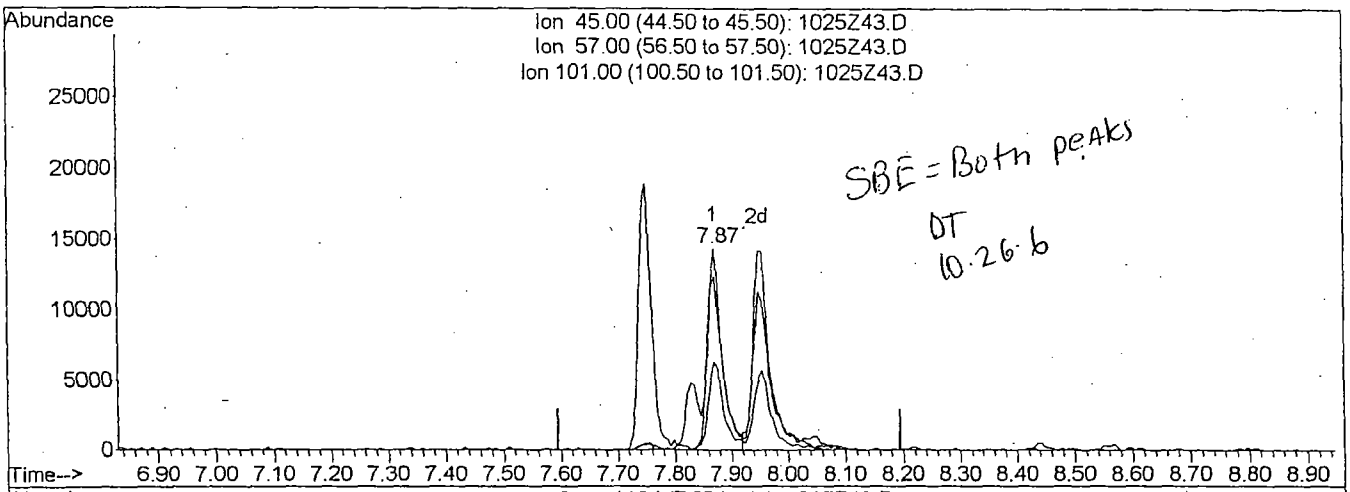

010033

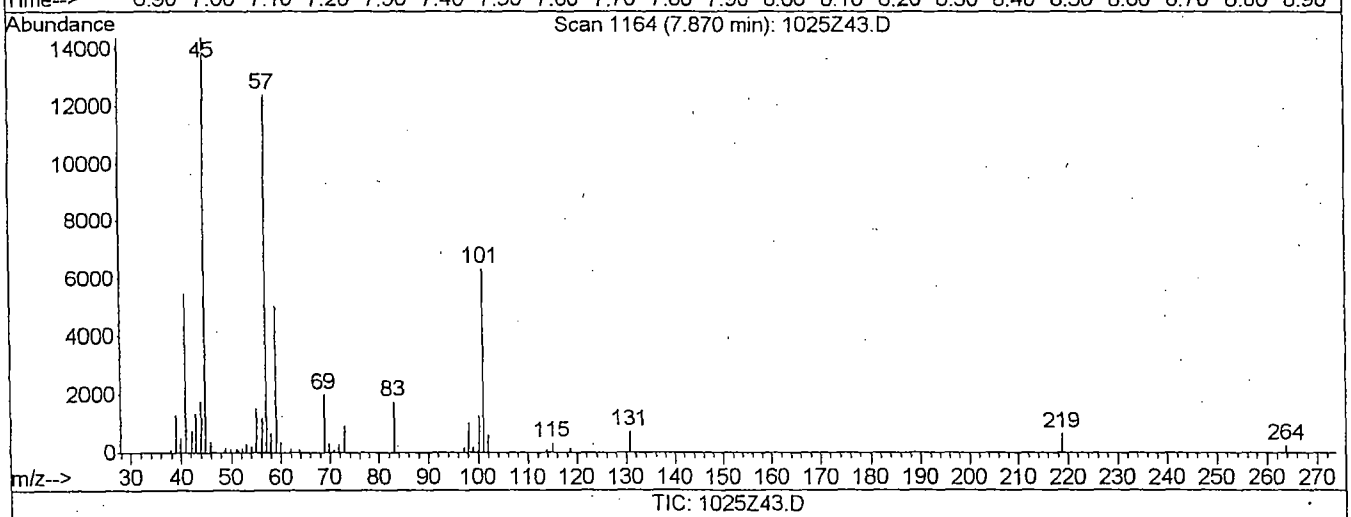
Quantitation Report (Qedit)

Data File : C:\DATAZ\102506\1025Z43.D
Acq On : 26 Oct 2006 1:50
Sample : SSTD005
Misc :
MS Integration Params: RTEENT.P
Quant Time: Oct 26 8:56 2006

Vial: 43
Operator:
Inst : Inst_Z
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\DATAZ\SCZ1025.M (RTE Integrator)
Title : Special VOAs - Z
Last Update : Tue Oct 24 08:52:37 2006
Response via : Multiple Level Calibration




TIC: 1025Z43.D

(14) SS27 Sec-butyl Ether (T)

7.87min 2.61ppb

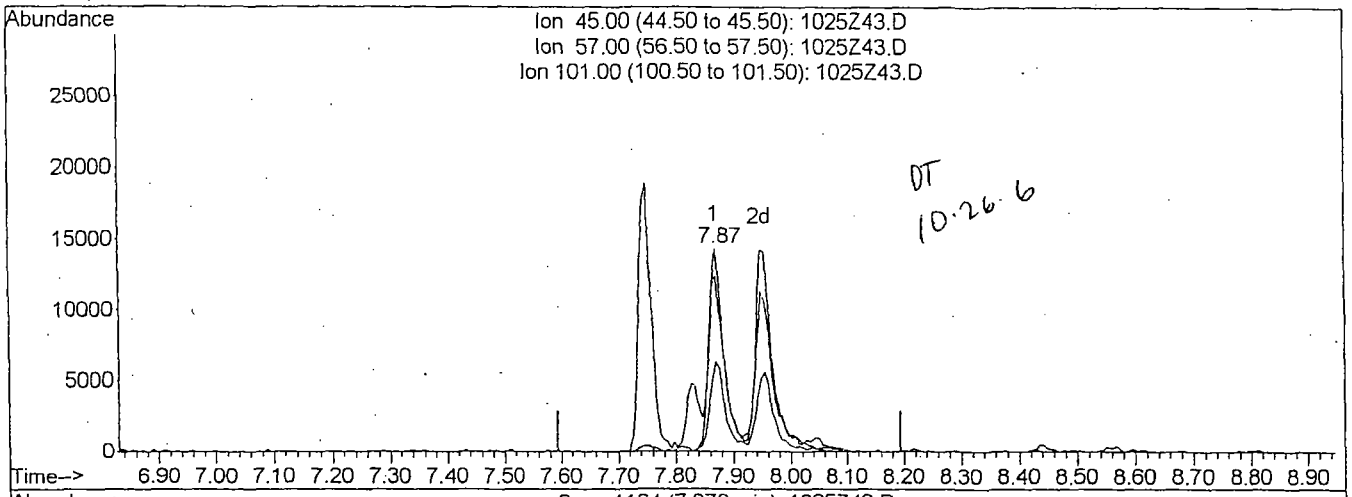
response 26199

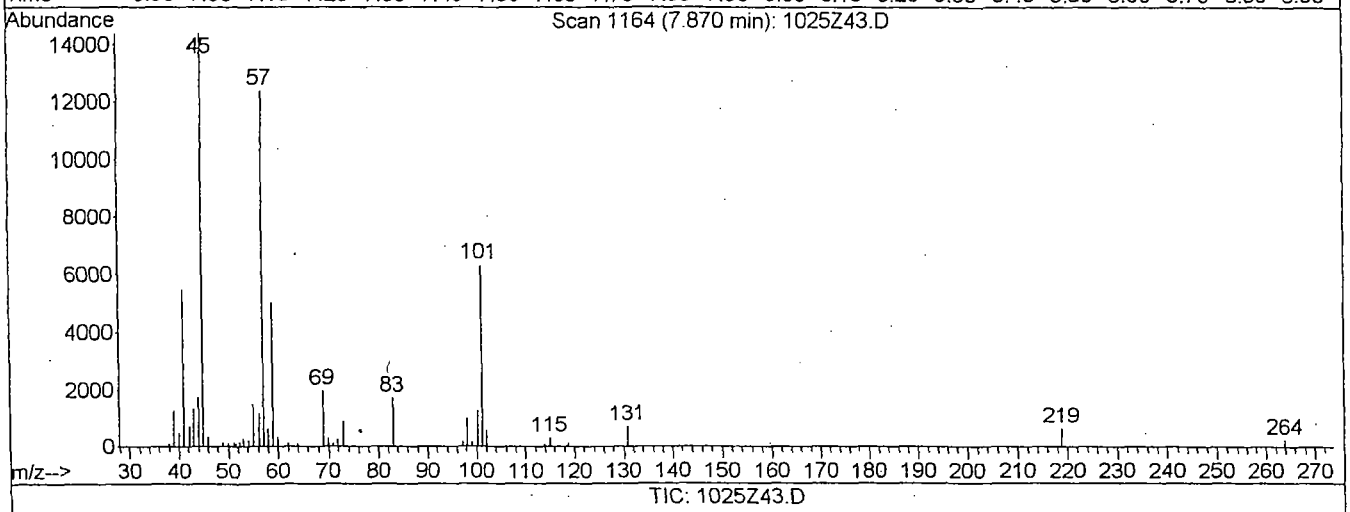
| Ion | Exp% | Act% |
|---|---|---|
| 45.00 | 100 | 100 |
| 57.00 | 82.00 | 88.13 |
| 101.00 | 37.80 | 41.15 |
| 0.00 | 0.00 | 0.00 |

Data File : C:\DATAZ\102506\1025Z43.D
Acq On : 26 Oct 2006 1:50
Sample : SSTD005
Misc :
MS Integration Params: RTEENT.P
Quant Time: Oct 26 8:57 2006

Vial: 43
Operator:
Inst : Inst_Z
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\DATAZ\SCZ1025.M (RTE Integrator)
Title : Special VOAs - Z
Last Update : Tue Oct 24 08:52:37 2006
Response via : Multiple Level Calibration




TIC: 1025Z43.D

(14) SS27 Sec-butyl Ether (T)

7.87min 5.67ppb m

response 56884

| Ion | Exp% | Act% |
|---|---|---|
| 45.00 | 100 | 100 |
| 57.00 | 82.00 | 40.59# |
| 101.00 | 37.80 | 18.95 |
| 0.00 | 0.00 | 0.00 |

Data File : C:\DATAZ\102506\1025Z43.D  Vial: 43
Acq On : 26 Oct 2006 1:50  Operator:
Sample : SSTD005  Inst : Inst_Z
Misc :  Multiplr: 1.00
MS Integration Params: RTEENT.P
Quant Time: Oct 26 8:57 2006  Quant Results File: SCZ1025.RES

Quant Method : C:\DATAZ\SCZ1025.M (RTE Integrator)
Title : Special VOAs - Z
Last Update : Tue Oct 24 08:52:37 2006
Response via : Initial Calibration
DataAcq Meth : ZVOAGC2
IS QA File : CC level for IS QA unknown. No recoveries calculated.

| Internal Standards | R.T. | QIon | Response | Conc Units | | Dev(Min) Rcv(Ar ) |
|---|---|---|---|---|---|---|
| 1) CI05 Pentafluorobenzene | 6.18 | 99 | 218574 | 50.00 ppb | | -0.04 NA% |
| 8) CI10 1,4-Difluorobenzene | 6.63 | 114 | 544941 | 50.00 ppb | | -0.03 NA% |
| 15) CI15 Chlorobenzene-d5 | 9.00 | 82 | 218137 | 50.00 ppb | | -0.03 NA% |
| 18) CI20 1,4-Dichlroobenzene-d | 10.90 | 152 | 110514 | 50.00 ppb | | -0.02 NA% |
| **System Monitoring Compounds** | | | | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) SS72 1,3-Butadiene | 1.15 | 39 | 26281 | 5.45 ppb | | 92 |
| 3) SS73 2-Methyl butane | 1.48 | 43 | 29691 | 6.43 ppb | | 100 |
| 4) SS79 Isoprene | 2.01 | 67 | 71880 | 11.47 ppb | | 100 |
| 5) SS89 Ethyl ether | 2.07 | 45 | 8837 | 5.78 ppb | | 89 |
| 6) SS98 Pentane | 1.69 | 43 | 42776 | -3.27 ppb | | 98 |
| 7) SS67 Isobutylchloride | 4.95 | 43 | 53699 | 5.63 ppb | | 99 |
| 9) SS43 Isooctane | 5.87 | 57 | 242899 | 11.65 ppb | | 97 |
| 10) SS26 Heptane | 6.03 | 43 | 53077 | 5.73 ppb | | 93 |
| 11) SS22 2-Nitropropane | 7.98 | 43 | 4520 | 16.27 ppb | | 79 |
| 12) SS71 n-Propyl acetate | 7.44 | 43 | 10081 | 4.68 ppb | | 92 |
| 13) SS21 Epichlorohydrin | 7.83 | 49 | 2720 | 187.95 ppb | # | 42 |
| 14) SS27 Sec-butyl Ether | 7.87 | 45 | 56884m | 5.67 ppb | # | 94 |
| 16) SS45 Tetrahydrothiophene | 8.44 | 60 | 2071 | 4.54 ppb | | 97 |
| 17) SS06 Cyclohexanone | 10.43 | 55 | 7386 | 105.70 ppb | | 89 |
| 19) SS98 4-Methylstyrene | 10.79 | 117 | 25806 | 4.90 ppb | | 83 |
| 20) SS99 Dicyclopentadiene | 10.78 | 66 | 108026 | -0.72 ppb | # | 95 |
| 21) SS83 Benzoyl chloride | 11.64 | 105 | 694 | 0.77 ppb | # | 61 |

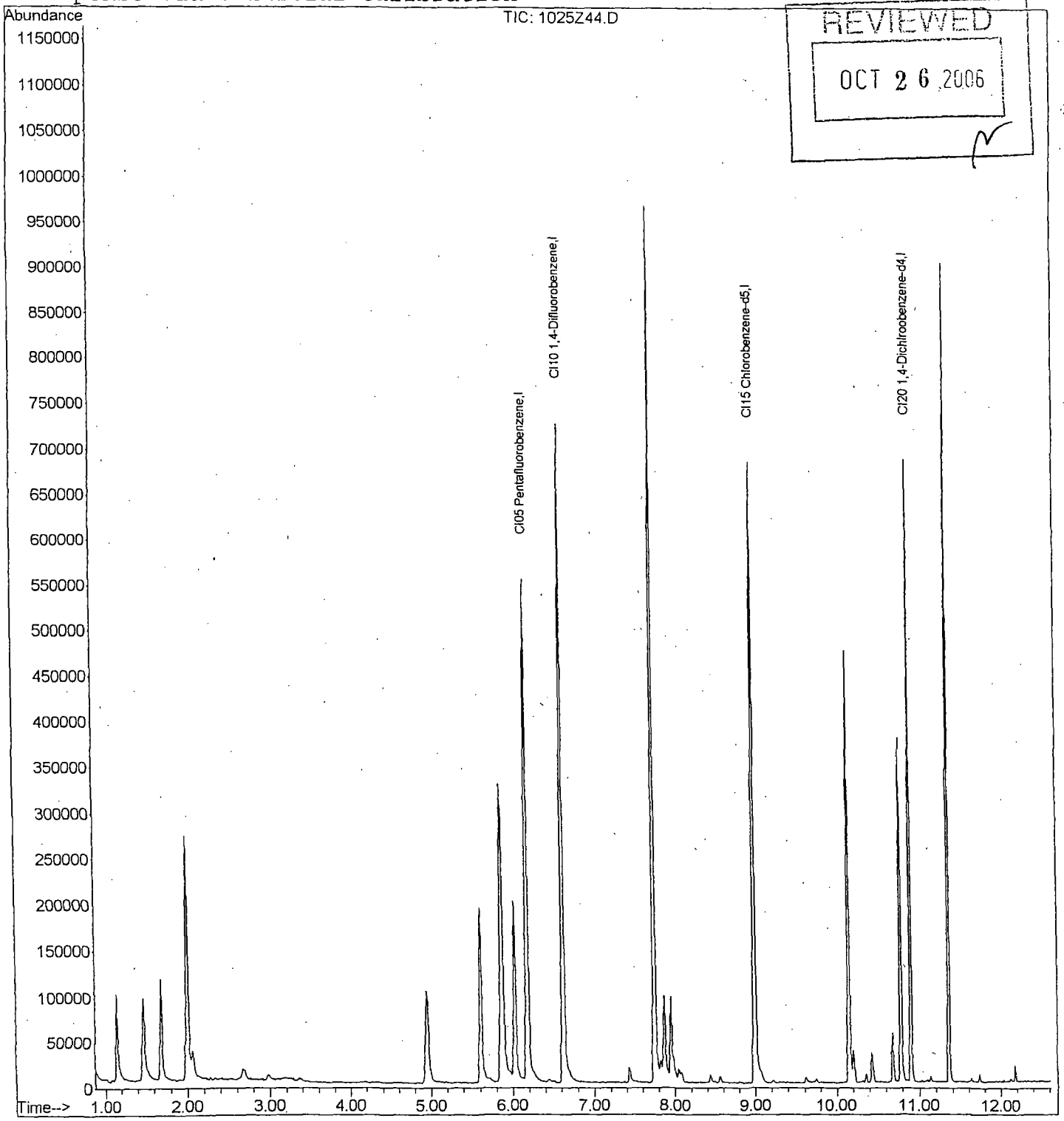
(#) = qualifier out of range (m) = manual integration

Data File : C:\DATAZ\102506\1025Z44.D
Acq On : 26 Oct 2006 2:09
Sample : SSTD010
Misc :
MS Integration Params: RTEENT.P
Quant Time: Oct 26 8:57 2006

Vial: 44
Operator:
Inst : Inst_Z
Multiplr: 1.00

Quant Results File: SCZ1025.RES

Method : R:\DATAZ\Z102306.M (RTE Integrator)
Title : 8260 LIST Z
Last Update : Wed Oct 25 13:09:11 2006
Response via : Initial Calibration

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1025Z44.D Z102306.M Thu Oct 26 09:06:46 2006 Page 1

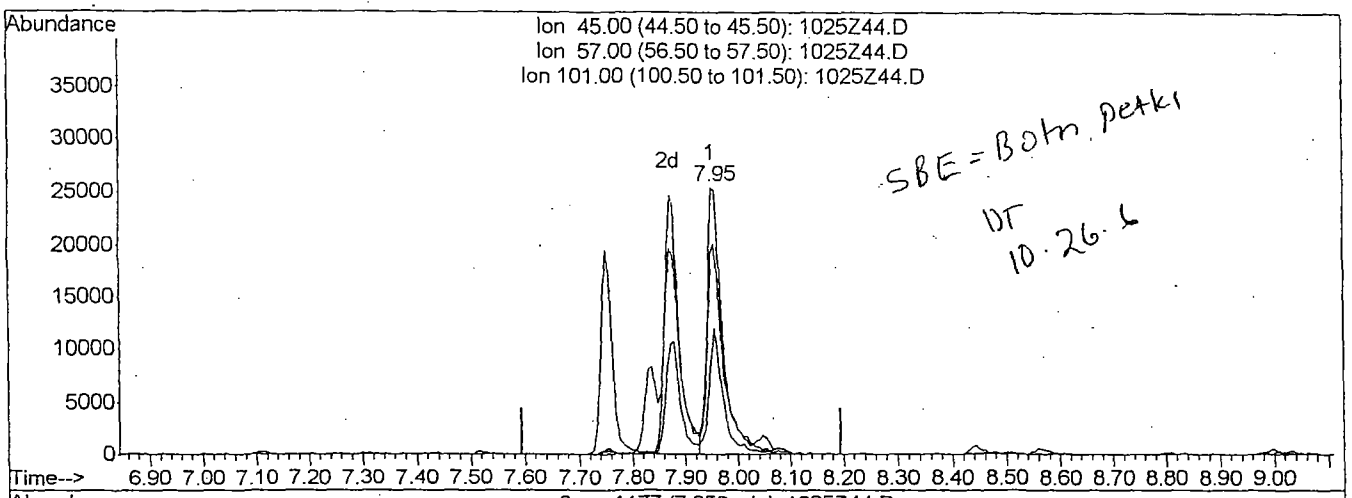
010037

Quantitation Report (Qedit)

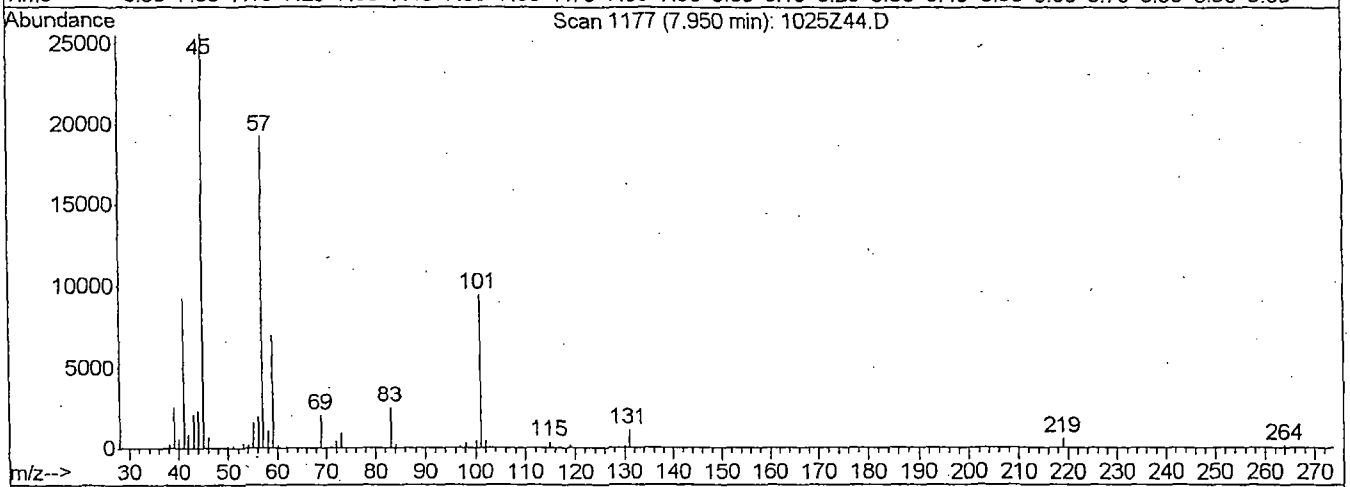
Data File : C:\DATAZ\102506\1025Z44.D
Acq On : 26 Oct 2006 2:09
Sample : SSTD010
Misc :
MS Integration Params: RTEENT.P
Quant Time: Oct 26 8:57 2006

Vial: 44
Operator:
Inst : Inst_Z
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\DATAZ\SCZ1025.M (RTE Integrator)
Title : Special VOAs - Z
Last Update : Tue Oct 24 08:52:37 2006
Response via : Multiple Level Calibration




SBE = Both peaks
DT
10.26.6




TIC: 1025Z44.D

(14) SS27 Sec-butyl Ether (T)

7.95min 5.36ppb

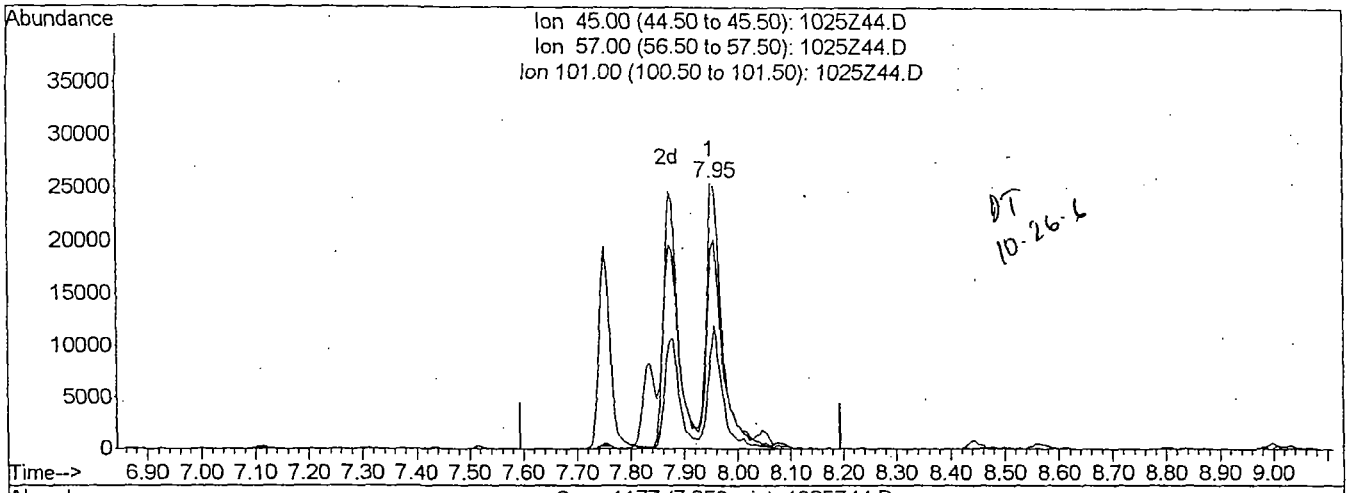
response 54010

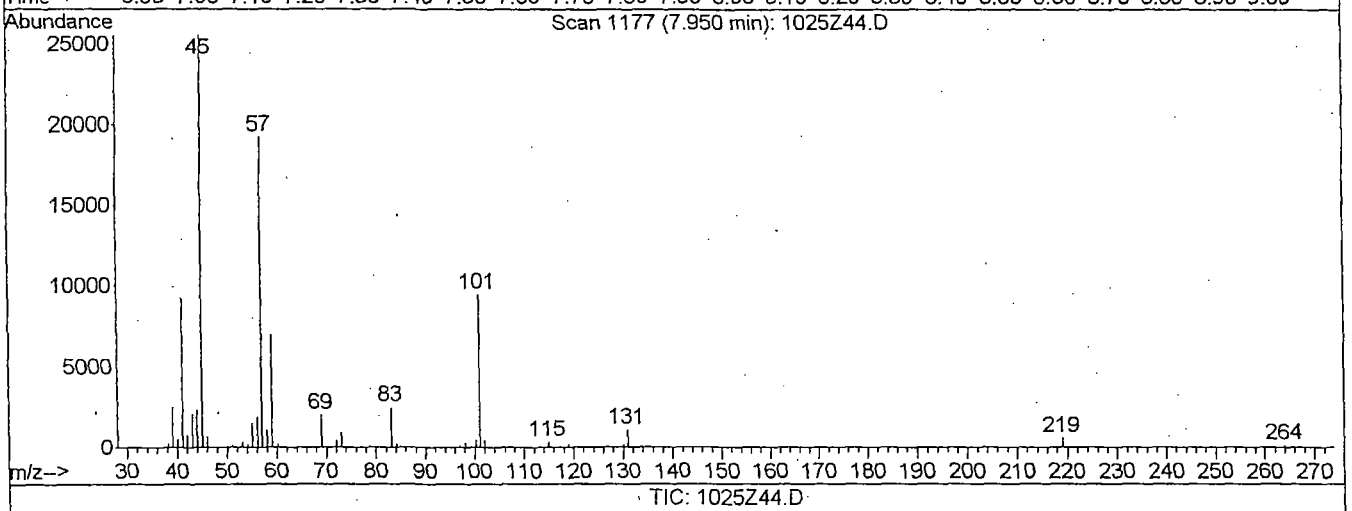
| Ion | Exp% | Act% |
|---|---|---|
| 45.00 | 100 | 100 |
| 57.00 | 82.00 | 84.38 |
| 101.00 | 37.80 | 33.77 |
| 0.00 | 0.00 | 0.00 |

Data File : C:\DATAZ\102506\1025Z44.D
Acq On : 26 Oct 2006 2:09
Sample : SSTD010
Misc :
MS Integration Params: RTEENT.P
Quant Time: Oct 26 8:57 2006

Vial: 44
Operator:
Inst : Inst_Z
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\DATAZ\SCZ1025.M (RTE Integrator)
Title : Special VOAs - Z
Last Update : Tue Oct 24 08:52:37 2006
Response via : Multiple Level Calibration




TIC: 1025Z44.D

(14) SS27 Sec-butyl Ether (T)

7.95min 10.04ppb m

response 101126

| Ion | Exp% | Act% |
|---|---|---|
| 45.00 | 100 | 100 |
| 57.00 | 82.00 | 45.07# |
| 101.00 | 37.80 | 18.04 |
| 0.00 | 0.00 | 0.00 |

Data File : C:\DATAZ\102506\1025Z44.D
Acq On : 26 Oct 2006 2:09
Sample : SSTD010
Misc :
MS Integration Params: RTEENT.P
Quant Time: Oct 26 8:57 2006

Vial: 44
Operator:
Inst : Inst_Z
Multiplr: 1.00
Quant Results File: SCZ1025.RES

Quant Method : C:\DATAZ\SCZ1025.M (RTE Integrator)
Title : Special VOAs - Z
Last Update : Tue Oct 24 08:52:37 2006
Response via : Initial Calibration
DataAcq Meth : ZVOAGC2
IS QA File : CC level for IS QA unknown. No recoveries calculated.

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) Rcv(Ar ) |
|---|---|---|---|---|---|
| 1) CI05 Pentafluorobenzene | 6.19 | 99 | 218833 | 50.00 ppb | -0.03 NA% |
| 8) CI10 1,4-Difluorobenzene | 6.63 | 114 | 547192 | 50.00 ppb | -0.03 NA% |
| 15) CI15 Chlorobenzene-d5 | 9.00 | 82 | 220531 | 50.00 ppb | -0.03 NA% |
| 18) CI20 1,4-Dichlroobenzene-d | 10.90 | 152 | 116100 | 50.00 ppb | -0.02 NA% |
| **System Monitoring Compounds** | | | | | |
| **Target Compounds** | | | | | Qvalue |
| 2) SS72 1,3-Butadiene | 1.15 | 39 | 47418 | 9.81 ppb | 95 |
| 3) SS73 2-Methyl butane | 1.48 | 43 | 52478 | 11.35 ppb | 95 |
| 4) SS79 Isoprene | 2.01 | 67 | 128063 | 20.42 ppb | 100 |
| 5) SS89 Ethyl ether | 2.07 | 45 | 13967 | 9.13 ppb | 97 |
| 6) SS98 Pentane | 1.69 | 43 | 77800 | 9.60 ppb | 98 |
| 7) SS67 Isobutylchloride | 4.96 | 43 | 92741 | 9.72 ppb | 99 |
| 9) SS43 Isooctane | 5.88 | 57 | 423566 | 20.23 ppb | 98 |
| 10) SS26 Heptane | 6.03 | 43 | 90292 | 9.71 ppb | 92 |
| 11) SS22 2-Nitropropane | 7.99 | 43 | 7108m | 25.49 ppb # | 94 |
| 12) SS71 n-Propyl acetate | 7.43 | 43 | 20246 | 9.36 ppb | 96 |
| 13) SS21 Epichlorohydrin | 7.83 | 49 | 3840 | 231.39 ppb # | 64 |
| 14) SS27 Sec-butyl Ether | 7.95 | 45 | 101126m | 10.04 ppb # | 96 |
| 16) SS45 Tetrahydrothiophene | 8.44 | 60 | 3650 | 7.91 ppb | 97 |
| 17) SS06 Cyclohexanone | 10.43 | 55 | 13391 | 189.56 ppb | 93 |
| 19) SS98 4-Methylstyrene | 10.79 | 117 | 48817 | 8.83 ppb | 83 |
| 20) SS99 Dicyclopentadiene | 10.78 | 66 | 195156 | 5.11 ppb | 95 |
| 21) SS83 Benzoyl chloride | 11.63 | 105 | 793 | 0.84 ppb # | 80 |

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Oct 26 2006

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

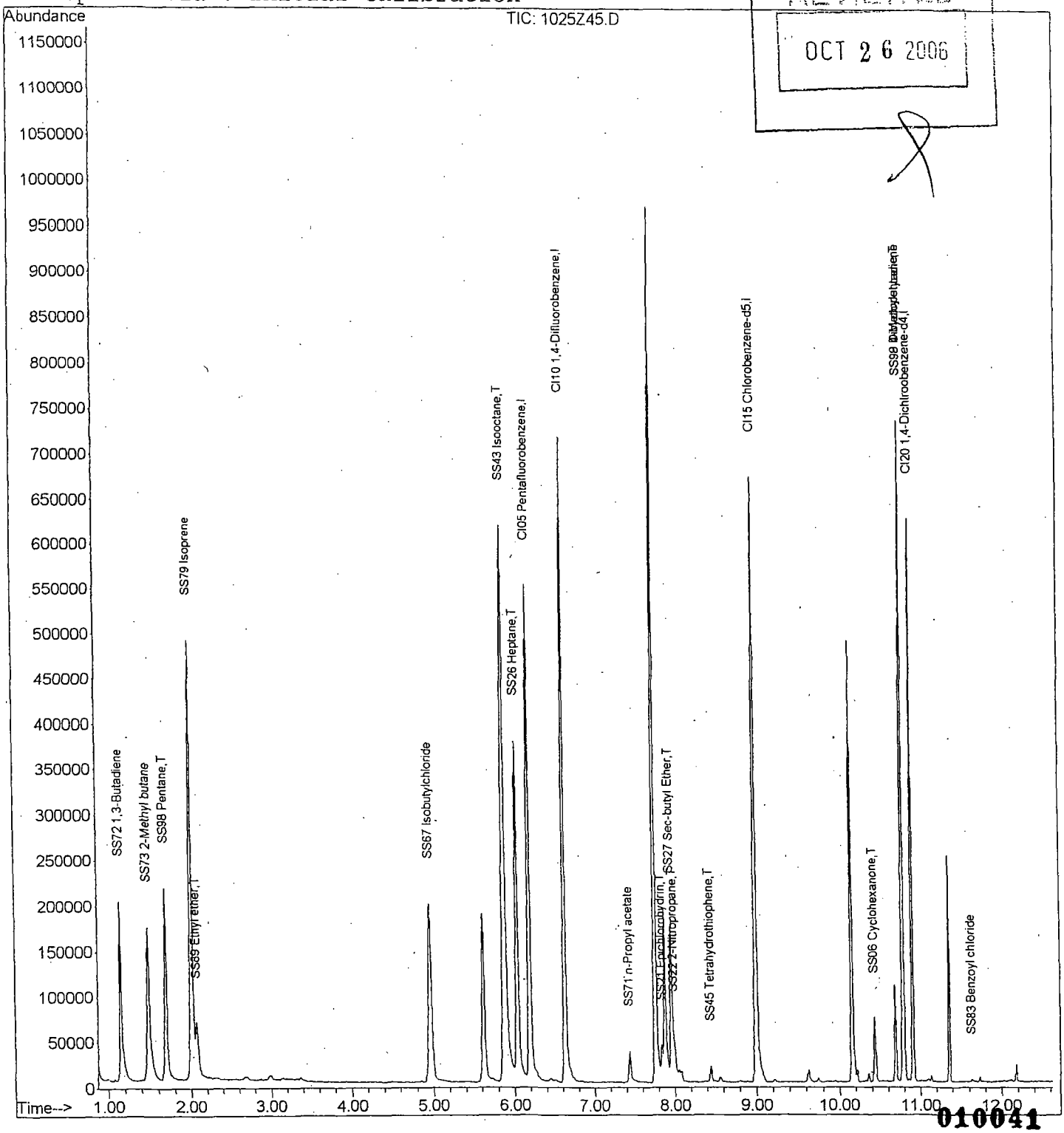
Data File : C:\DATAZ\102506\1025Z45.D
Acq On : 26 Oct 2006 2:28
Sample : SSTD020
Misc :
MS Integration Params: RTEENT.P
Quant Time: Oct 26 8:58 2006

Vial: 45
Operator:
Inst : Inst_Z
Multiplr: 1.00

Quant Results File: SCZ1025.RES

Method : C:\DATAZ\SCZ1025.M (RTE Integrator)
Title : Special VOAs - Z
Last Update : Thu Oct 26 09:01:55 2006
Response via : Initial Calibration

REVIEWED
OCT 26 2006

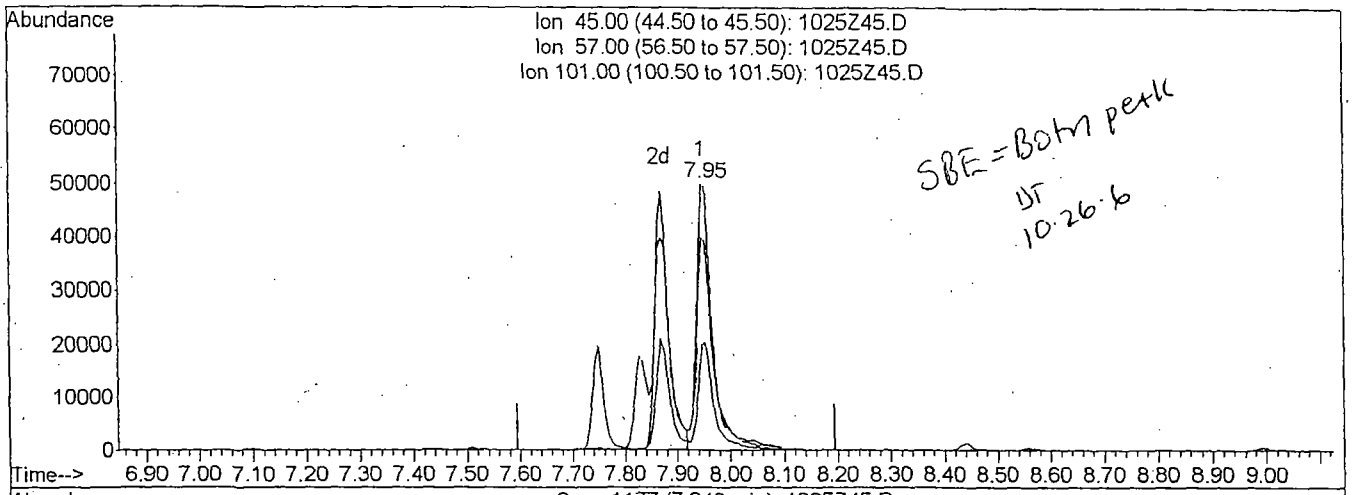


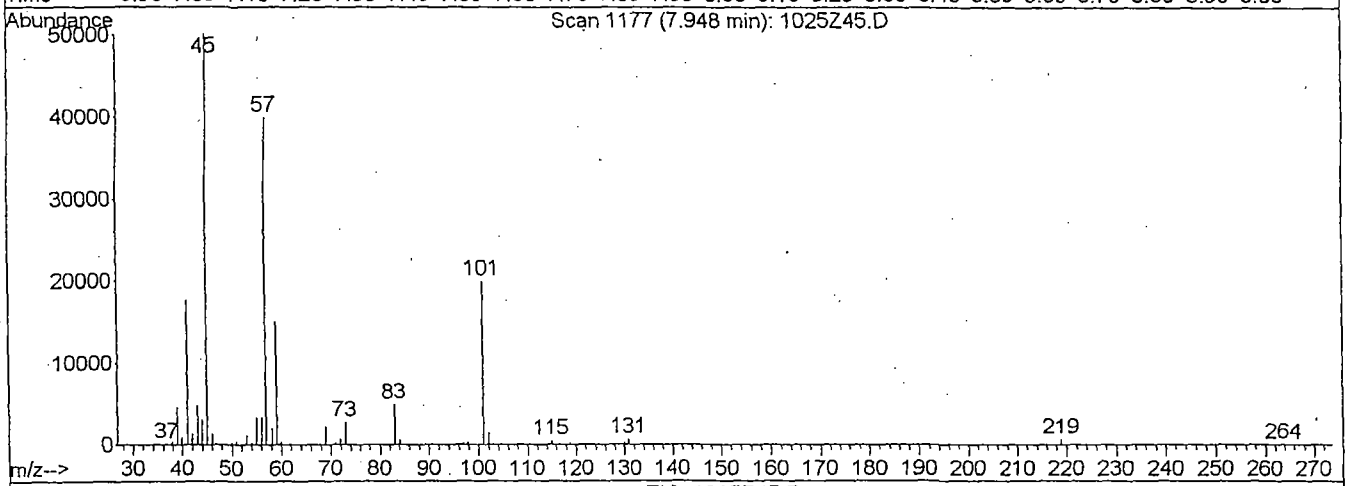

010041

Data File : C:\DATAZ\102506\1025Z45.D
Acq On : 26 Oct 2006 2:28
Sample : SSTD020
Misc :
MS Integration Params: RTEENT.P
Quant Time: Oct 26 8:58 2006

Vial: 45
Operator:
Inst : Inst_Z
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\DATAZ\SCZ1025.M (RTE Integrator)
Title : Special VOAs - Z
Last Update : Tue Oct 24 08:52:37 2006
Response via : Multiple Level Calibration




TIC: 1025Z45.D

(14) SS27 Sec-butyl Ether (T)

7.95min 10.29ppb

response 106263

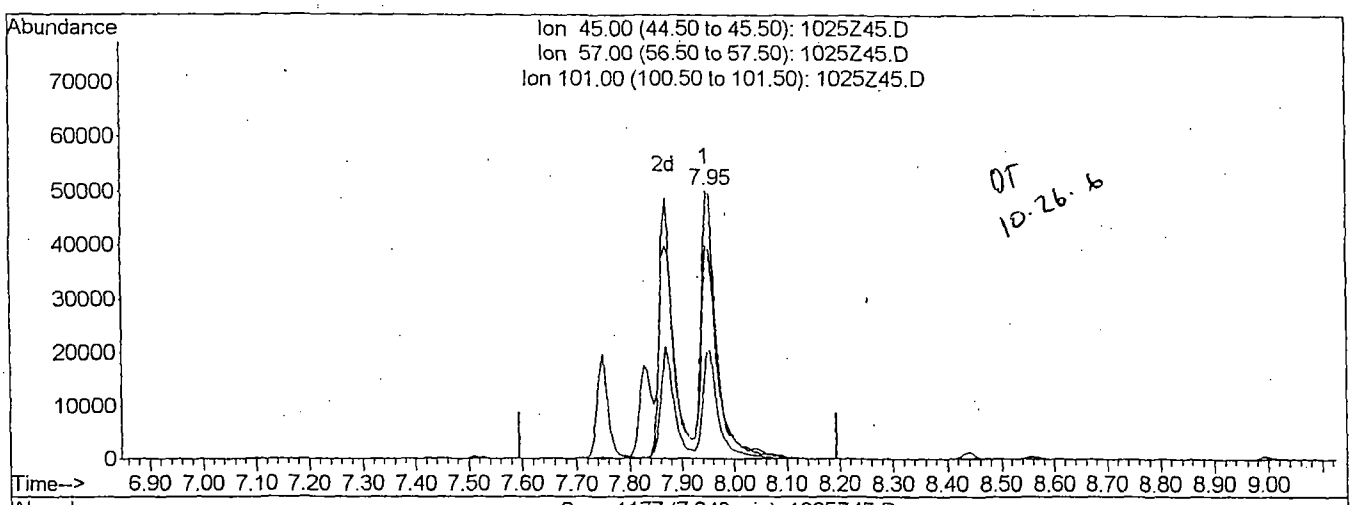
| Ion | Exp% | Act% |
|---|---|---|
| 45.00 | 100 | 100 |
| 57.00 | 82.00 | 81.16 |
| 101.00 | 37.80 | 33.37 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

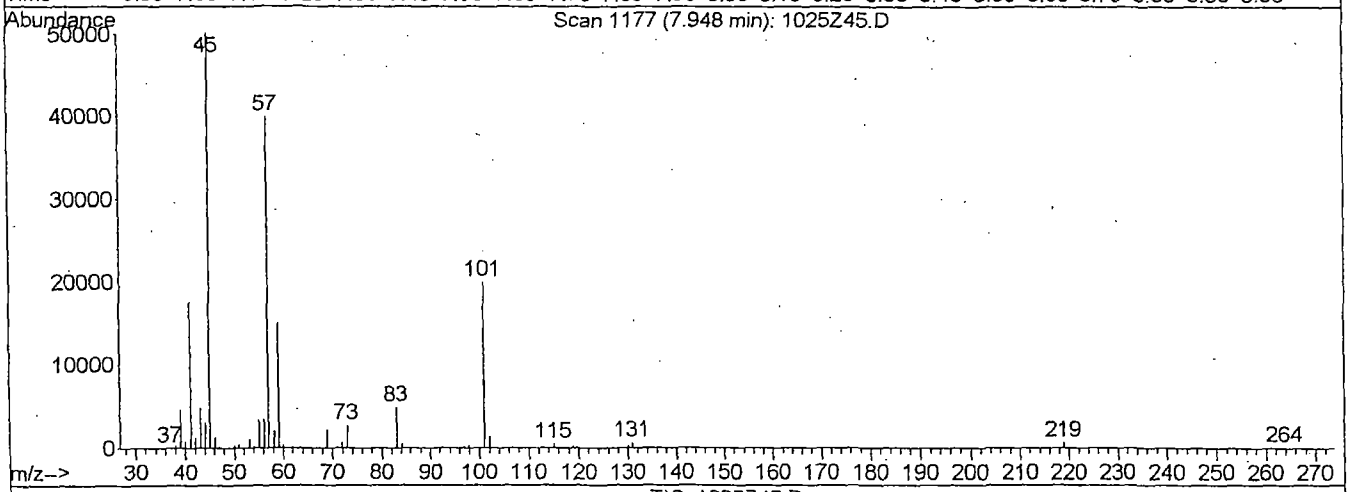
Data File : C:\DATAZ\102506\1025Z45.D
Acq On : 26 Oct 2006 2:28
Sample : SSTD020
Misc :
MS Integration Params: RTEENT.P
Quant Time: Oct 26 8:58 2006

Vial: 45
Operator:
Inst : Inst_Z
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\DATAZ\SCZ1025.M (RTE Integrator)
Title : Special VOAs - Z
Last Update : Tue Oct 24 08:52:37 2006
Response via : Multiple Level Calibration




OT 10.26.6




TIC: 1025Z45.D

(14) SS27 Sec-butyl Ether (T)

7.95min 18.93ppb m

response 195468

| Ion | Exp% | Act% |
|---|---|---|
| 45.00 | 100 | 100 |
| 57.00 | 82.00 | 44.12# |
| 101.00 | 37.80 | 18.14 |
| 0.00 | 0.00 | 0.00 |

Data File : C:\DATAZ\102506\1025Z45.D Vial: 45
Acq On : 26 Oct 2006 2:28 Operator:
Sample : SSTD020 Inst : Inst_Z
Misc : Multiplr: 1.00
MS Integration Params: RTEENT.P
Quant Time: Oct 26 8:58 2006 Quant Results File: SCZ1025.RES

Quant Method : C:\DATAZ\SCZ1025.M (RTE Integrator)
Title : Special VOAs - Z
Last Update : Tue Oct 24 08:52:37 2006
Response via : Initial Calibration
DataAcq Meth : ZVOAGC2
IS QA File : CC level for IS QA unknown. No recoveries calculated.

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) Rcv(Ar ) |
|---|---|---|---|---|---|---|---|
| 1) CI05 Pentafluorobenzene | 6.18 | 99 | 219822 | 50.00 | ppb | | -0.04 NA% |
| 8) CI10 1,4-Difluorobenzene | 6.62 | 114 | 561191 | 50.00 | ppb | | -0.03 NA% |
| 15) CI15 Chlorobenzene-d5 | 8.99 | 82 | 221861 | 50.00 | ppb | | -0.03 NA% |
| 18) CI20 1,4-Dichlroobenzene-d | 10.90 | 152 | 112504 | 50.00 | ppb | | -0.02 NA% |
| **System Monitoring Compounds** | | | | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) SS72 1,3-Butadiene | 1.14 | 39 | 93903 | 19.35 | ppb | | 95 |
| 3) SS73 2-Methyl butane | 1.48 | 43 | 95202 | 20.51 | ppb | | 95 |
| 4) SS79 Isoprene | 2.00 | 67 | 244426 | 38.80 | ppb | | 99 |
| 5) SS89 Ethyl ether | 2.07 | 45 | 29004 | 18.87 | ppb | | 96 |
| 6) SS98 Pentane | 1.69 | 43 | 145241 | 34.19 | ppb | | 99 |
| 7) SS67 Isobutylchloride | 4.96 | 43 | 179720 | 18.75 | ppb | | 99 |
| 9) SS43 Isooctane | 5.87 | 57 | 808250 | 37.64 | ppb | | 98 |
| 10) SS26 Heptane | 6.03 | 43 | 176279 | 18.49 | ppb | | 92 |
| 11) SS22 2-Nitropropane | 7.99 | 43 | 15956 | 55.78 | ppb | # | 4 |
| 12) SS71 n-Propyl acetate | 7.43 | 43 | 37842 | 17.05 | ppb | | 96 |
| 13) SS21 Epichlorohydrin | 7.83 | 49 | 8266 | 396.70 | ppb | # | 66 |
| 14) SS27 Sec-butyl Ether | 7.95 | 45 | 195468m | 18.93 | ppb | # | 97 |
| 16) SS45 Tetrahydrothiophene | 8.44 | 60 | 7926 | 17.07 | ppb | | 98 |
| 17) SS06 Cyclohexanone | 10.43 | 55 | 29377 | 413.37 | ppb | | 96 |
| 19) SS98 4-Methylstyrene | 10.79 | 117 | 100373 | 18.73 | ppb | | 88 |
| 20) SS99 Dicyclopentadiene | 10.78 | 66 | 373426 | 18.68 | ppb | | 95 |
| 21) SS83 Benzoyl chloride | 11.64 | 105 | 1300 | 1.42 | ppb | # | 89 |

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

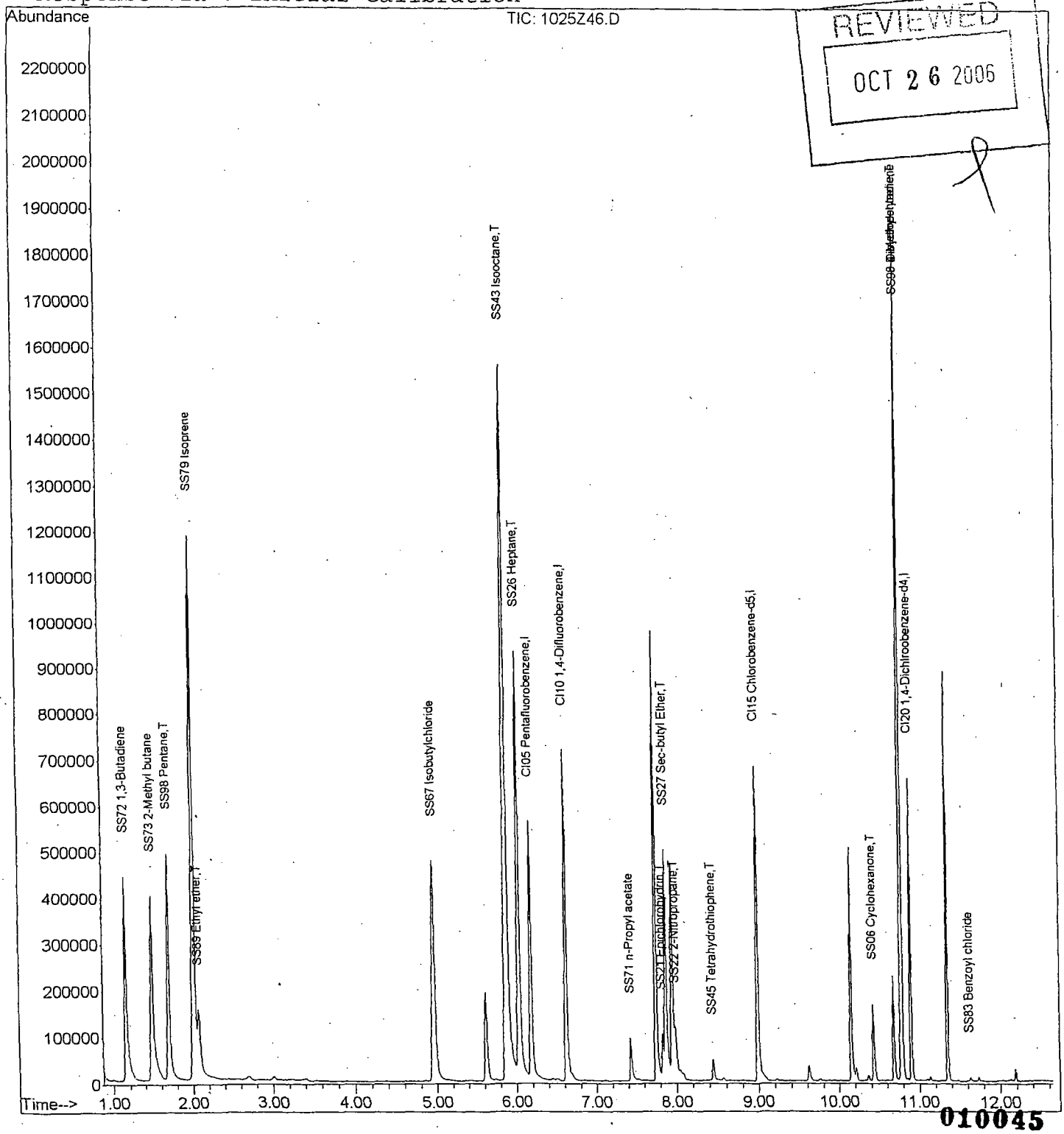
010044

Data File : C:\DATAZ\102506\1025Z46.D
Acq On : 26 Oct 2006 2:47
Sample : SSTD050
Misc :
MS Integration Params: RTEENT.P
Quant Time: Oct 26 8:58 2006

Vial: 46
Operator:
Inst : Inst_Z
Multiplr: 1.00

Quant Results File: SCZ1025.RES

Method : C:\DATAZ\SCZ1025.M (RTE Integrator)
Title : Special VOAs - Z
Last Update : Thu Oct 26 09:01:55 2006
Response via : Initial Calibration

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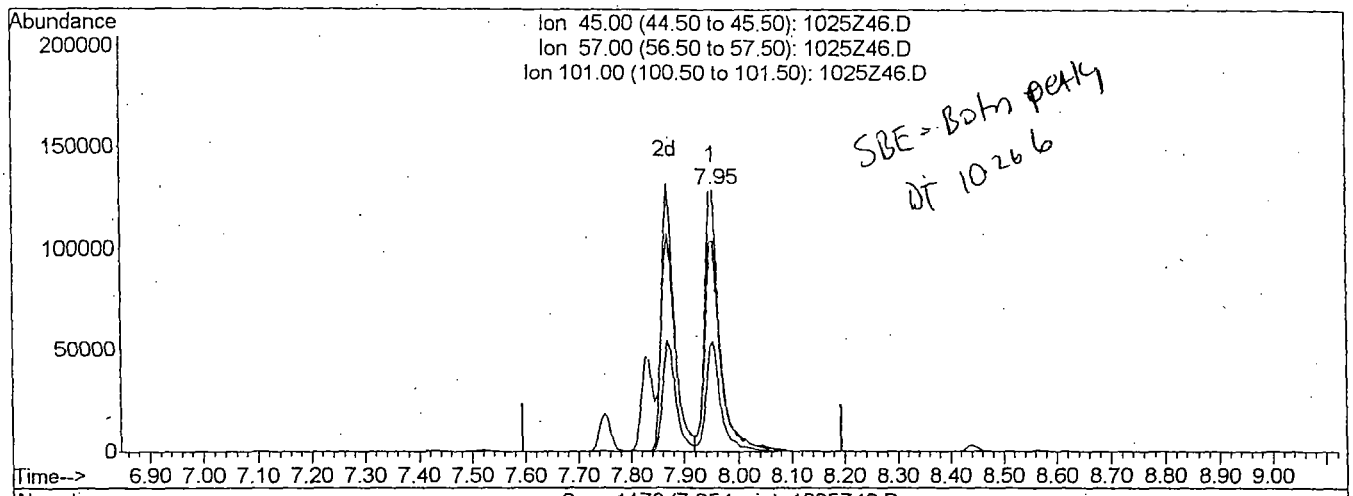
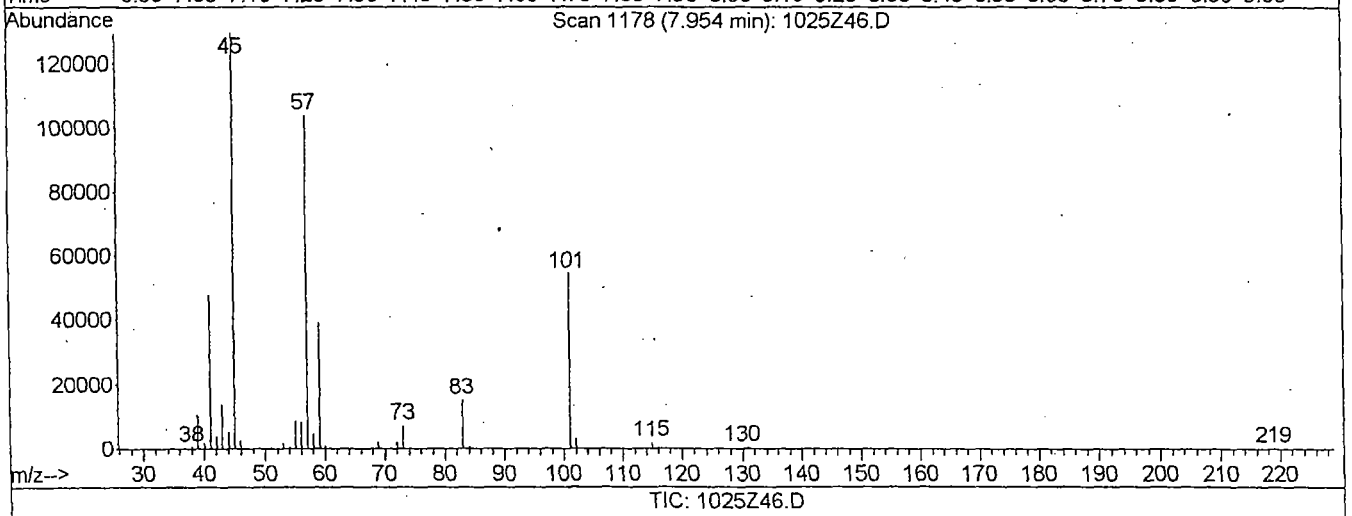
OCT 26 2006

010045

Data File : C:\DATAZ\102506\1025Z46.D  Vial: 46
Acq On : 26 Oct 2006 2:47  Operator:
Sample : SSTD050  Inst : Inst_Z
Misc :  Multiplr: 1.00
MS Integration Params: RTEENT.P
Quant Time: Oct 26 8:58 2006  Quant Results File: temp.res

Method : C:\DATAZ\SCZ1025.M (RTE Integrator)
Title : Special VOAs - Z
Last Update : Tue Oct 24 08:52:37 2006
Response via : Multiple Level Calibration




TIC: 1025Z46.D

(14) SS27 Sec-butyl Ether (T)

7.95min 25.44ppb

response 255180

| Ion | Exp% | Act% |
|---|---|---|
| 45.00 | 100 | 100 |
| 57.00 | 82.00 | 82.48 |
| 101.00 | 37.80 | 35.39 |
| 0.00 | 0.00 | 0.00 |

010046

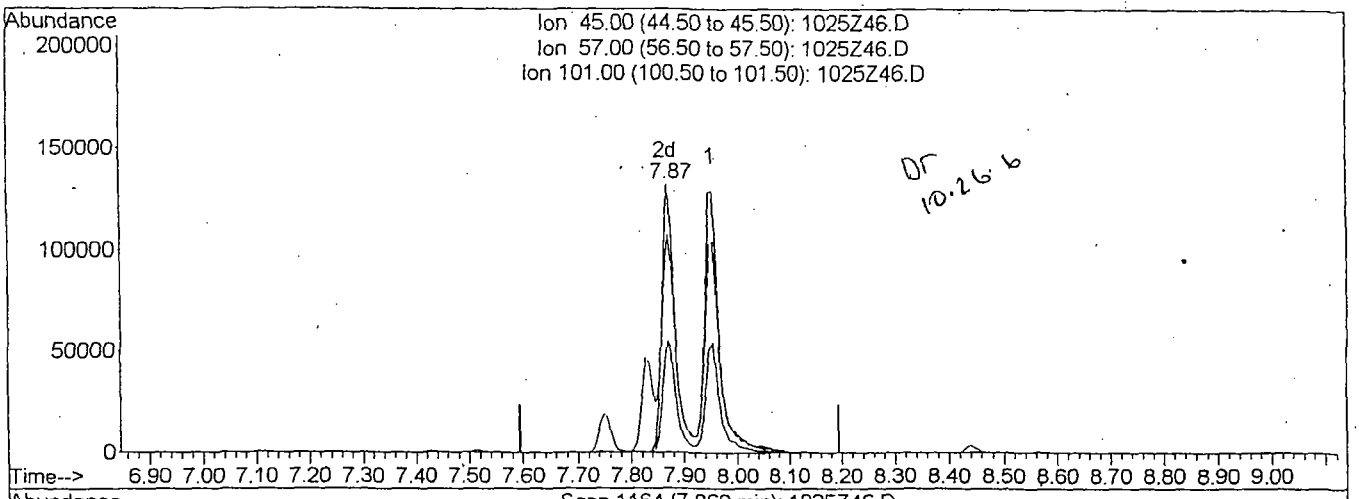
1025Z46.D SCZ1025.M Thu Oct 26 08:58:56 2006 (CMP14,0,0)

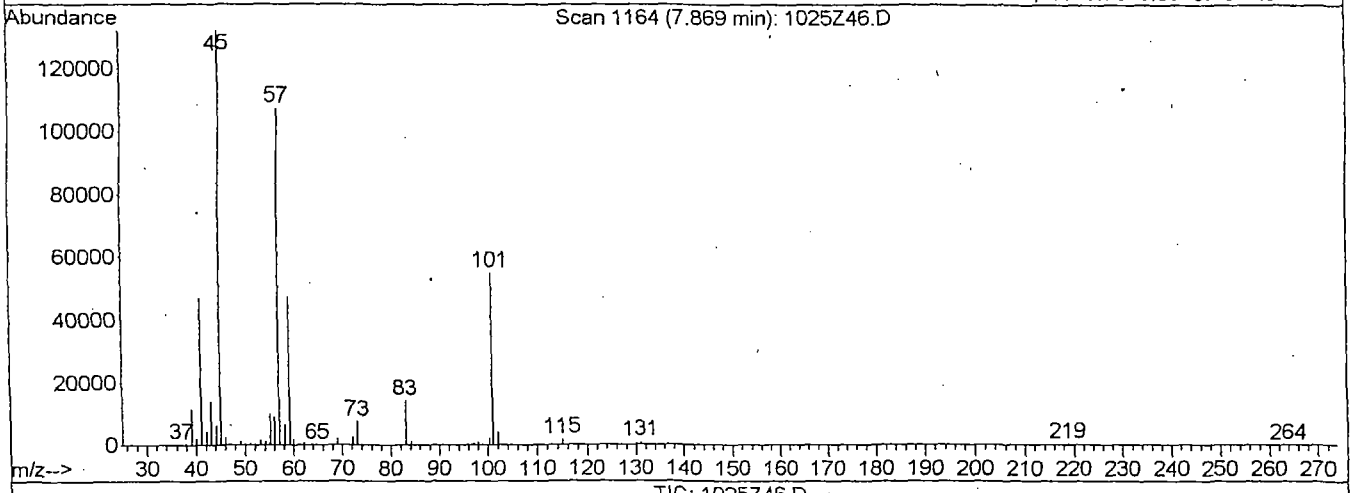
Quantitation Report (Qedit)

Data File : C:\DATAZ\102506\1025Z46.D
Acq On : 26 Oct 2006 2:47
Sample : SSTD050
Misc :
MS Integration Params: RTEENT.P
Quant Time: Oct 26 8:58 2006

Vial: 46
Operator:
Inst : Inst_Z
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\DATAZ\SCZ1025.M (RTE Integrator)
Title : Special VOAs - Z
Last Update : Tue Oct 24 08:52:37 2006
Response via : Multiple Level Calibration




TIC: 1025Z46.D

(14) SS27 Sec-butyl Ether (T)

7.87min 47.80ppb m

response 479478

| Ion | Exp% | Act% |
|---|---|---|
| 45.00 | 100 | 100 |
| 57.00 | 82.00 | 43.90# |
| 101.00 | 37.80 | 18.83 |
| 0.00 | 0.00 | 0.00 |

010047

Data File : C:\DATAZ\102506\1025Z46.D Vial: 46
Acq On : 26 Oct 2006 2:47 Operator:
Sample : SSTD050 Inst : Inst_Z
Misc : Multiplr: 1.00
MS Integration Params: RTEENT.P
Quant Time: Oct 26 8:58 2006 Quant Results File: SCZ1025.RES

Quant Method : C:\DATAZ\SCZ1025.M (RTE Integrator)
Title : Special VOAs - Z
Last Update : Tue Oct 24 08:52:37 2006
Response via : Initial Calibration
DataAcq Meth : ZVOAGC2
IS QA File : CC level for IS QA unknown. No recoveries calculated.

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) Rcv(Ar ) |
|---|---|---|---|---|---|---|---|
| 1) CI05 Pentafluorobenzene | 6.19 | 99 | 213894 | 50.00 | ppb | | -0.03 NA% |
| 8) CI10 1,4-Difluorobenzene | 6.62 | 114 | 545037 | 50.00 | ppb | | -0.03 NA% |
| 15) CI15 Chlorobenzene-d5 | 8.99 | 82 | 219185 | 50.00 | ppb | | -0.03 NA% |
| 18) CI20 1,4-Dichlroobenzene-d | 10.90 | 152 | 121531 | 50.00 | ppb | | -0.02 NA% |
| **System Monitoring Compounds** | | | | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) SS72 1,3-Butadiene | 1.15 | 39 | 225425 | 47.73 | ppb | | 97 |
| 3) SS73 2-Methyl butane | 1.49 | 43 | 227274 | 50.31 | ppb | | 96 |
| 4) SS79 Isoprene | 2.02 | 67 | 592947 | 96.73 | ppb | | 99 |
| 5) SS89 Ethyl ether | 2.08 | 45 | 64758 | 43.30 | ppb | | 96 |
| 6) SS98 Pentane | 1.70 | 43 | 333922 | 106.73 | ppb | | 99 |
| 7) SS67 Isobutylchloride | 4.96 | 43 | 431669 | 46.27 | ppb | | 99 |
| 9) SS43 Isooctane | 5.88 | 57 | 1996092 | 95.71 | ppb | | 98 |
| 10) SS26 Heptane | 6.03 | 43 | 431578 | 46.60 | ppb | | 90 |
| 11) SS22 2-Nitropropane | 7.99 | 43 | 42266 | 152.14 | ppb | # | 75 |
| 12) SS71 n-Propyl acetate | 7.43 | 43 | 93903 | 43.56 | ppb | | 99 |
| 13) SS21 Epichlorohydrin | 7.83 | 49 | 20575 | 890.17 | ppb | # | 64 |
| 14) SS27 Sec-butyl Ether | 7.87 | 45 | 479478m | 47.80 | ppb | # | 98 |
| 16) SS45 Tetrahydrothiophene | 8.44 | 60 | 19891 | 43.37 | ppb | | 96 |
| 17) SS06 Cyclohexanone | 10.43 | 55 | 63192 | 900.05 | ppb | | 96 |
| 19) SS98 4-Methylstyrene | 10.79 | 117 | 272965 | 47.16 | ppb | | 89 |
| 20) SS99 Dicyclopentadiene | 10.77 | 66 | 927395 | 54.39 | ppb | # | 95 |
| 21) SS83 Benzoyl chloride | 11.63 | 105 | 2506 | 2.53 | ppb | | 92 |

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

Quantitation Report

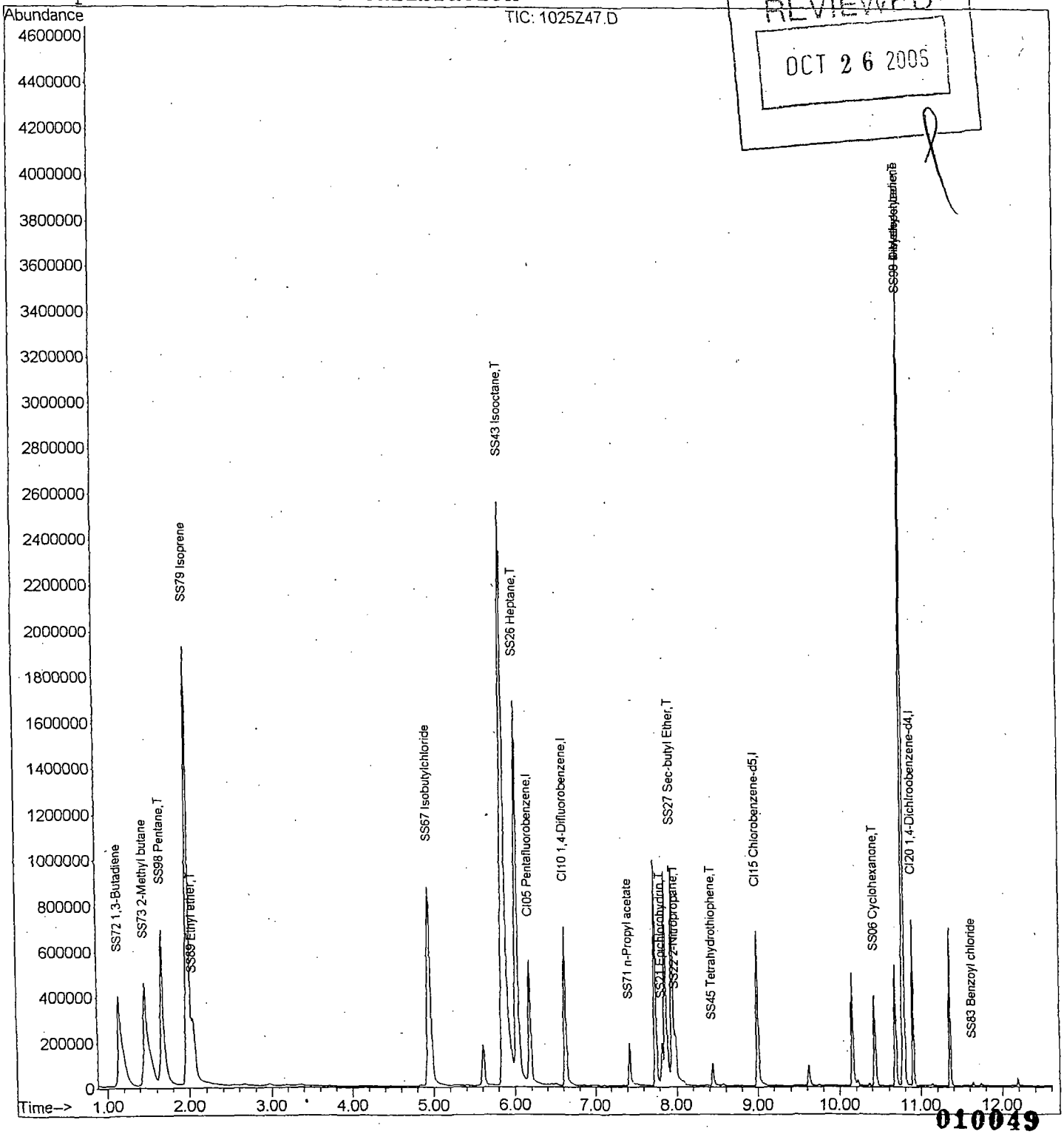
Data File : C:\DATAZ\102506\1025Z47.D
Acq On : 26 Oct 2006 3:06
Sample : SSTD100
Misc :
MS Integration Params: RTEENT.P
Quant Time: Oct 26 8:59 2006

Vial: 47
Operator:
Inst : Inst_Z
Multiplr: 1.00

Quant Results File: SCZ1025.RES

Method : C:\DATAZ\SCZ1025.M (RTE Integrator)
Title : Special VOAs - Z
Last Update : Thu Oct 26 09:01:55 2006
Response via : Initial Calibration

REVIEWED
OCT 26 2006



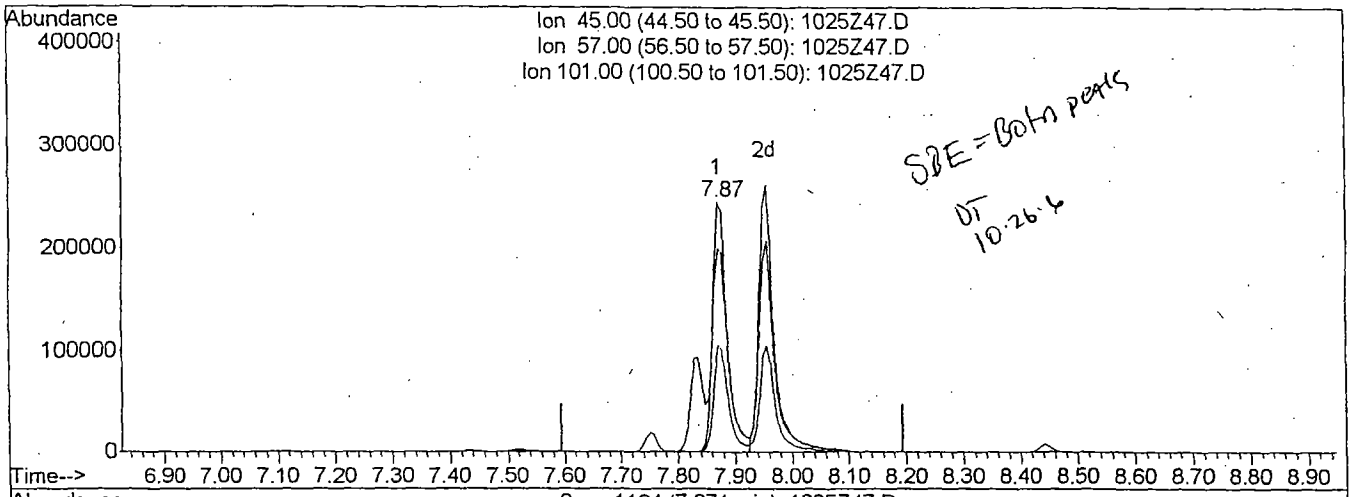

010049

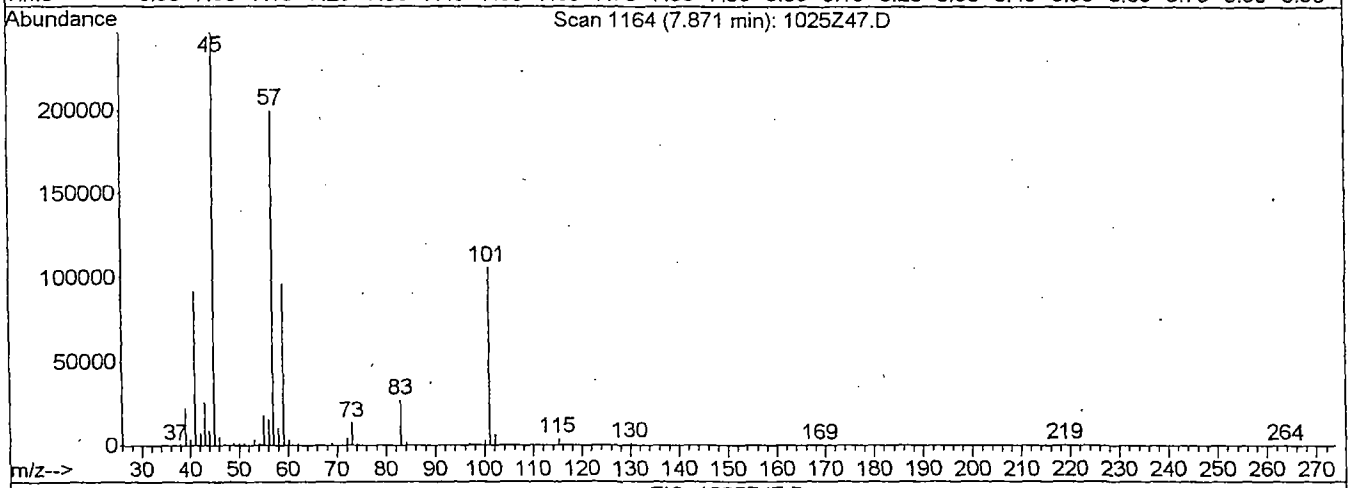
Quantitation Report (Qedit)

Data File : C:\DATAZ\102506\1025Z47.D
Acq On : 26 Oct 2006 3:06
Sample : SSTD100
Misc :
MS Integration Params: RTEENT.P
Quant Time: Oct 26 8:59 2006

Vial: 47
Operator:
Inst : Inst_Z
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\DATAZ\SCZ1025.M (RTE Integrator)
Title : Special VOAs - Z
Last Update : Tue Oct 24 08:52:37 2006
Response via : Multiple Level Calibration




TIC: 1025Z47.D

(14) SS27 Sec-butyl Ether (T)

7.87min 43.52ppb

response 442231

| Ion | Exp% | Act% |
|---|---|---|
| 45.00 | 100 | 100 |
| 57.00 | 82.00 | 83.00 |
| 101.00 | 37.80 | 38.63 |
| 0.00 | 0.00 | 0.00 |

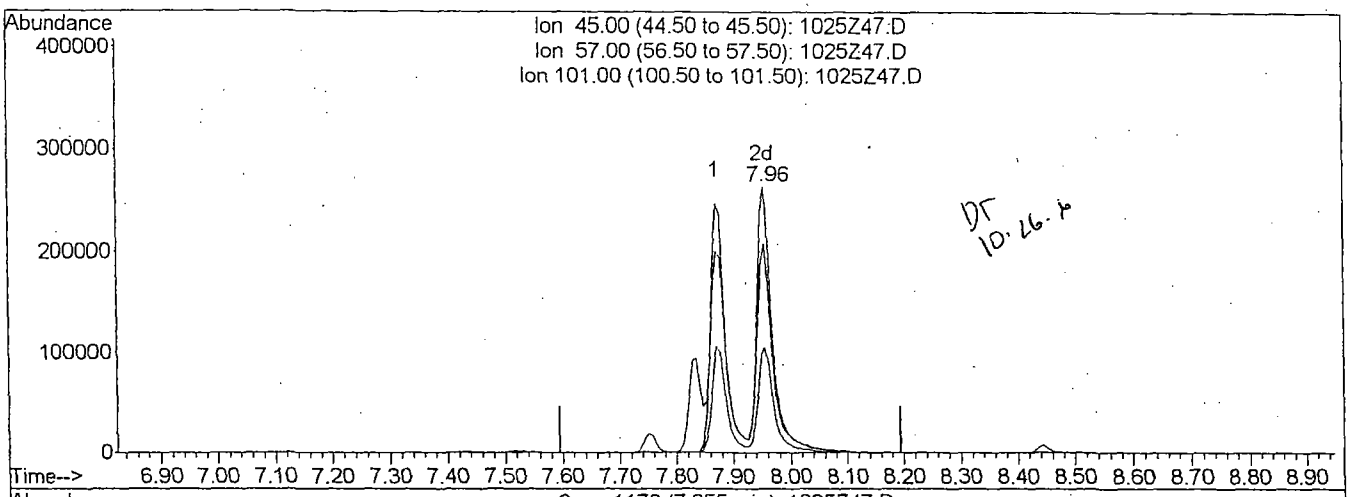
010050

Data File : C:\DATAZ\102506\1025Z47.D
Acq On : 26 Oct 2006 3:06
Sample : SSTD100
Misc :
MS Integration Params: RTEENT.P
Quant Time: Oct 26 8:59 2006

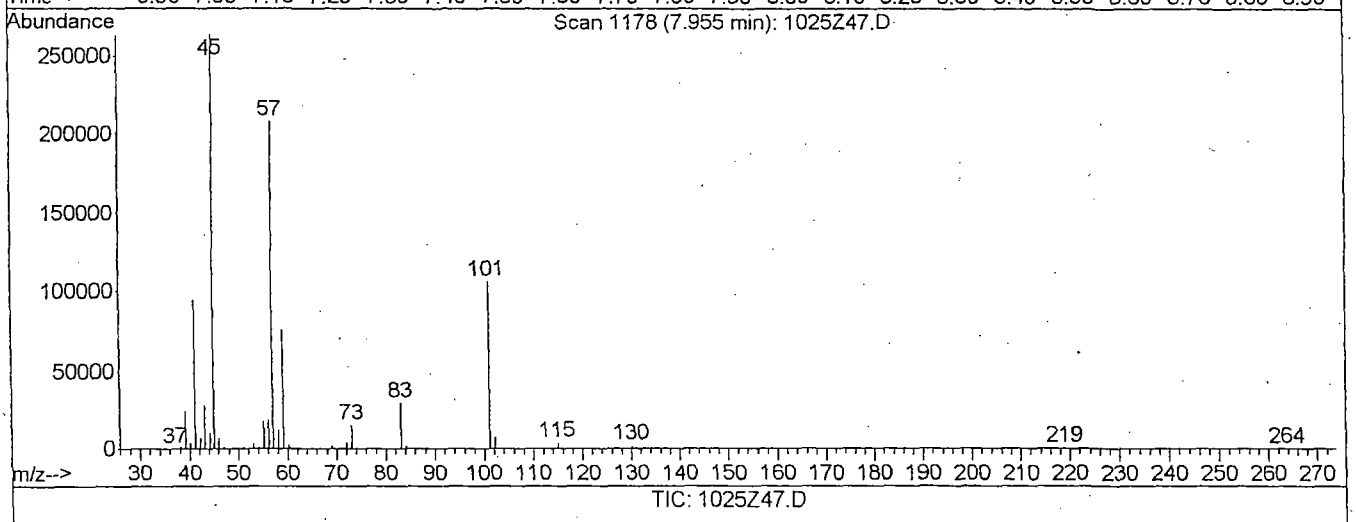
Vial: 47
Operator:
Inst : Inst_Z
Multiplr: 1.00

Quant Results File: temp.res

Method : C:\DATAZ\SCZ1025.M (RTE Integrator)
Title : Special VOAs - Z
Last Update : Tue Oct 24 08:52:37 2006
Response via : Multiple Level Calibration




DT 10.26.06




TIC: 1025Z47.D

(14) SS27 Sec-butyl Ether (T)

7.96min 92.52ppb m

response 940194

| Ion | Exp% | Act% |
|---|---|---|
| 45.00 | 100 | 100 |
| 57.00 | 82.00 | 39.04# |
| 101.00 | 37.80 | 18.17 |
| 0.00 | 0.00 | 0.00 |

010051

Data File : C:\DATAZ\102506\1025Z47.D Vial: 47
Acq On : 26 Oct 2006 3:06 Operator:
Sample : SSTD100 Inst : Inst_Z
Misc : Multiplr: 1.00
MS Integration Params: RTEENT.P
Quant Time: Oct 26 8:59 2006 Quant Results File: SCZ1025.RES

Quant Method : C:\DATAZ\SCZ1025.M (RTE Integrator)
Title : Special VOAs - Z
Last Update : Tue Oct 24 08:52:37 2006
Response via : Initial Calibration
DataAcq Meth : ZVOAGC2
IS QA File : CC level for IS QA unknown. No recoveries calculated.

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) Rcv(Ar ) |
|---|---|---|---|---|---|
| 1) CI05 Pentafluorobenzene | 6.18 | 99 | 218774 | 50.00 ppb | -0.04 NA% |
| 8) CI10 1,4-Difluorobenzene | 6.63 | 114 | 552144 | 50.00 ppb | -0.03 NA% |
| 15) CI15 Chlorobenzene-d5 | 9.00 | 82 | 220365 | 50.00 ppb | -0.03 NA% |
| 18) CI20 1,4-Dichlroobenzene-d | 10.90 | 152 | 123250 | 50.00 ppb | -0.02 NA% |

System Monitoring Compounds

| Target Compounds | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 2) SS72 1,3-Butadiene | 1.14 | 39 | 436446 | 90.36 ppb | | 97 |
| 3) SS73 2-Methyl butane | 1.46 | 43 | 431224 | 93.33 ppb | | 96 |
| 4) SS79 Isoprene | 1.99 | 67 | 1152590 | 183.83 ppb | | 100 |
| 5) SS89 Ethyl ether | 2.05 | 45 | 130443 | 85.28 ppb | | 98 |
| 6) SS98 Pentane | 1.68 | 43 | 654538 | 221.98 ppb | | 99 |
| 7) SS67 Isobutylchloride | 4.95 | 43 | 887918 | 93.06 ppb | | 99 |
| 9) SS43 Isooctane | 5.87 | 57 | 3909082 | 185.03 ppb | | 98 |
| 10) SS26 Heptane | 6.03 | 43 | 883856 | 94.21 ppb | | 91 |
| 11) SS22 2-Nitropropane | 7.99 | 43 | 86253 | 306.48 ppb | | 87 |
| 12) SS71 n-Propyl acetate | 7.43 | 43 | 188350 | 86.25 ppb | | 98 |
| 13) SS21 Epichlorohydrin | 7.83 | 49 | 39014 | 1595.63 ppb | # | 73 |
| 14) SS27 Sec-butyl Ether | 7.96 | 45 | 940194m | 92.52 ppb | # | 99 |
| 16) SS45 Tetrahydrothiophene | 8.44 | 60 | 41417 | 89.82 ppb | | 98 |
| 17) SS06 Cyclohexanone | 10.43 | 55 | 153460 | 2174.03 ppb | | 99 |
| 19) SS98 4-Methylstyrene | 10.79 | 117 | 579834 | 98.78 ppb | | 90 |
| 20) SS99 Dicyclopentadiene | 10.78 | 66 | 1838464 | 114.75 ppb | # | 94 |
| 21) SS83 Benzoyl chloride | 11.64 | 105 | 4865 | 4.85 ppb | | 94 |

**010052**

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

Quantitation Report

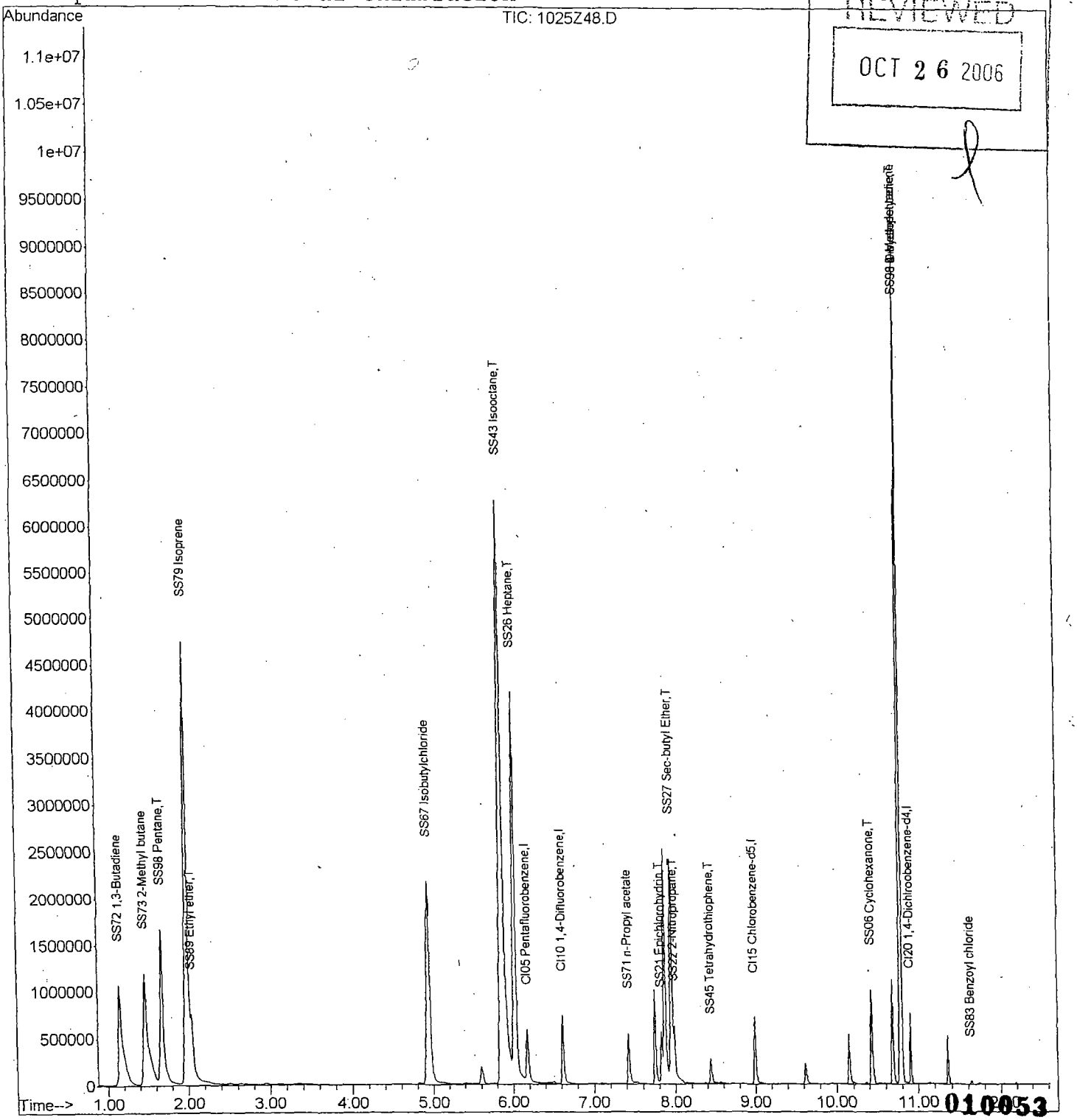
Data File : C:\DATAZ\102506\1025Z48.D
Acq On : 26 Oct 2006 3:27
Sample : SSTD250
Misc :
MS Integration Params: RTEENT.P
Quant Time: Oct 26 8:59 2006

Vial: 48
Operator:
Inst : Inst_Z
Multiplr: 1.00

Quant Results File: SCZ1025.RES

Method : C:\DATAZ\SCZ1025.M (RTE Integrator)
Title : Special VOAs - Z
Last Update : Thu Oct 26 09:01:55 2006
Response via : Initial Calibration

REVIEWED
OCT 26 2006

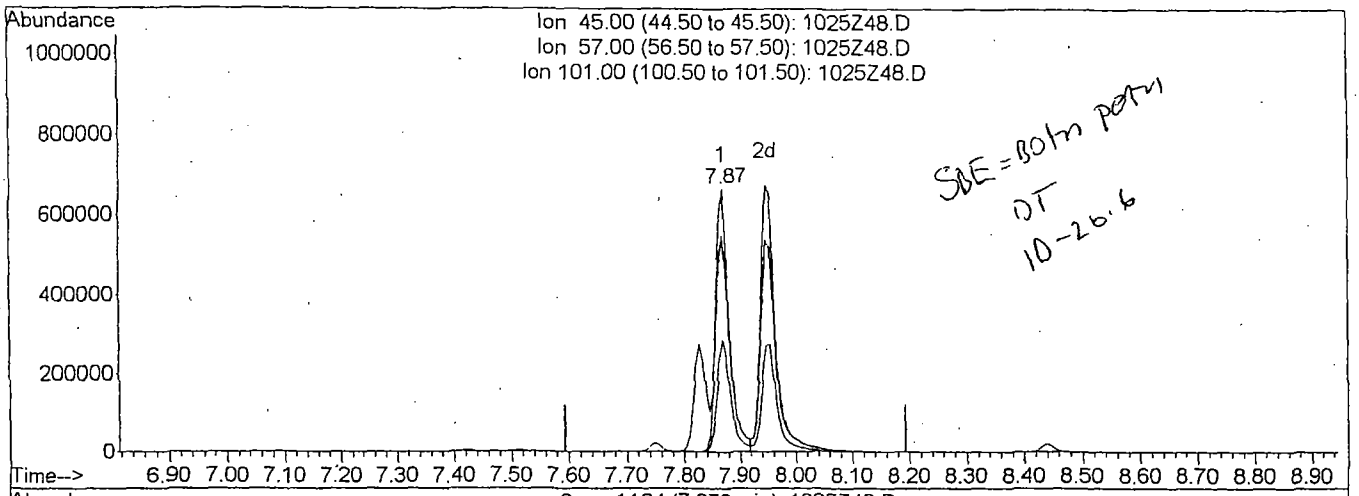


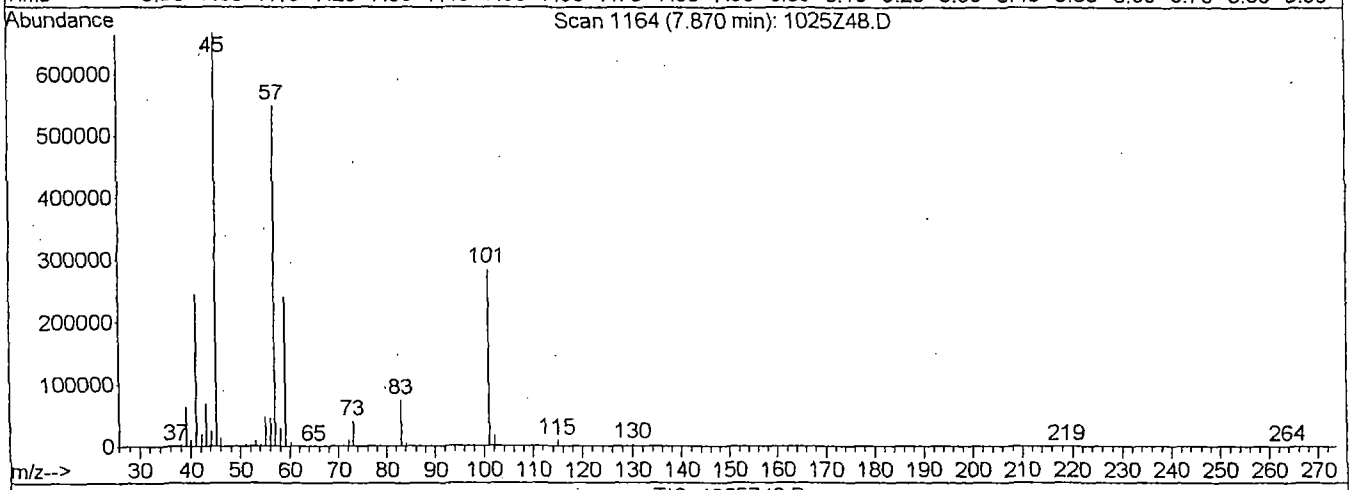

010053

Quantitation Report (Qedit)

Data File : C:\DATAZ\102506\1025Z48.D  Vial: 48
Acq On : 26 Oct 2006 3:27  Operator:
Sample : SSTD250  Inst : Inst_Z
Misc :  Multiplr: 1.00
MS Integration Params: RTEENT.P
Quant Time: Oct 26 8:59 2006  Quant Results File: temp.res

Method : C:\DATAZ\SCZ1025.M (RTE Integrator)
Title : Special VOAs - Z
Last Update : Tue Oct 24 08:52:37 2006
Response via : Multiple Level Calibration




TIC: 1025Z48.D

(14) SS27 Sec-butyl Ether (T)

7.87min 109.67ppb

response 1133890

| Ion | Exp% | Act% |
|---|---|---|
| 45.00 | 100 | 100 |
| 57.00 | 82.00 | 84.56 |
| 101.00 | 37.80 | 39.67 |
| 0.00 | 0.00 | 0.00 |

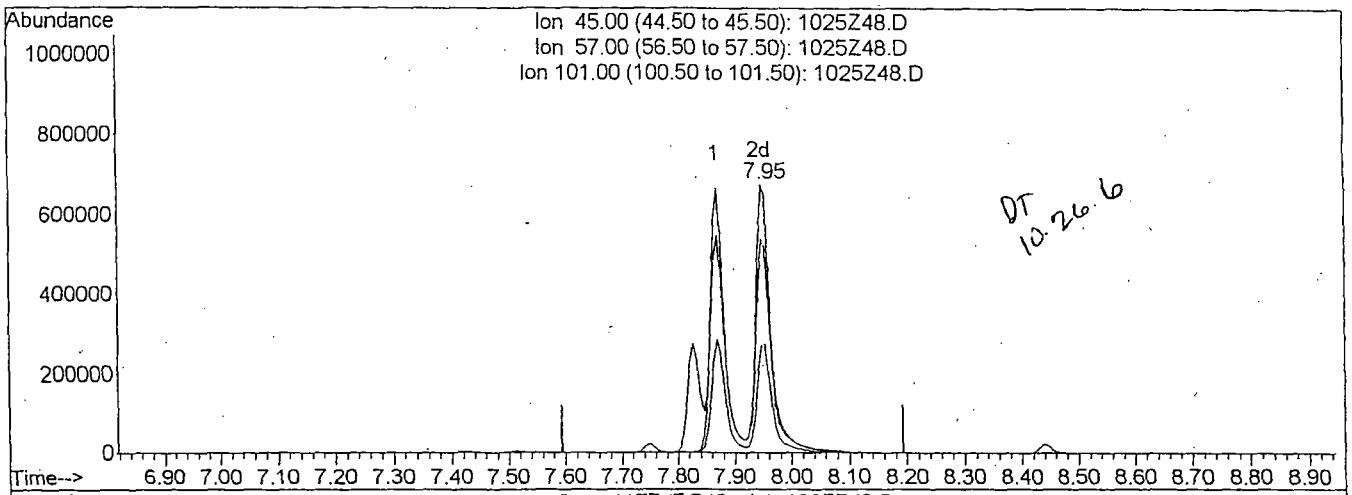
010054

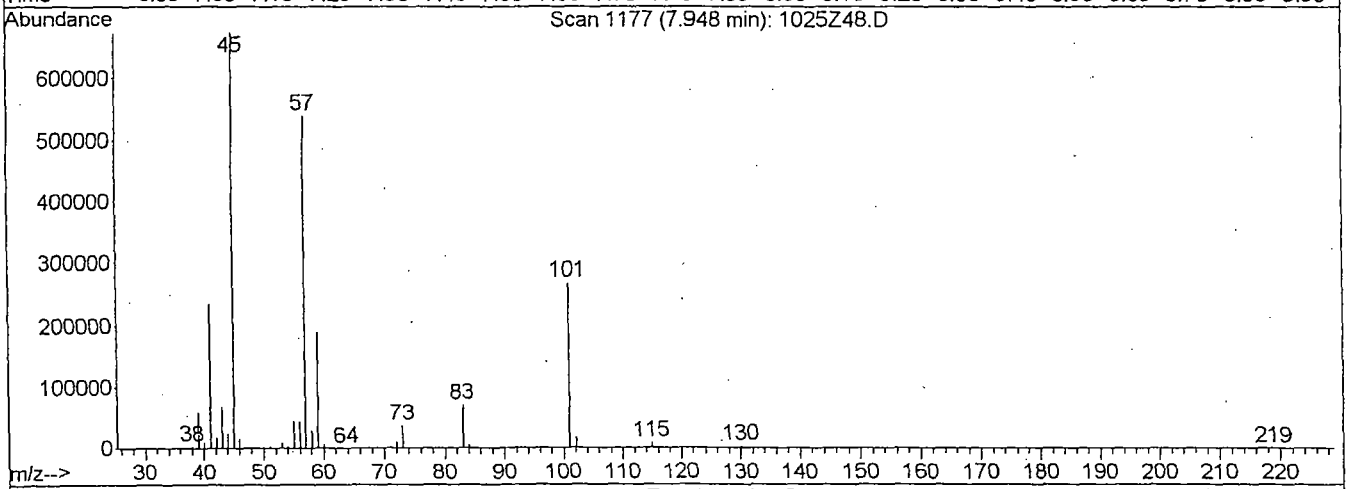
Quantitation Report (Qedit)

Data File : C:\DATAZ\102506\1025Z48.D
Acq On : 26 Oct 2006 3:27
Sample : SSTD250
Misc :
MS Integration Params: RTEENT.P
Quant Time: Oct 26 8:59 2006

Vial: 48
Operator:
Inst : Inst_Z
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\DATAZ\SCZ1025.M (RTE Integrator)
Title : Special VOAs - Z
Last Update : Tue Oct 24 08:52:37 2006
Response via : Multiple Level Calibration




TIC: 1025Z48.D

(14) SS27 Sec-butyl Ether (T)

7.95min 231.25ppb m

response 2391033

| Ion | Exp% | Act% |
|---|---|---|
| 45.00 | 100 | 100 |
| 57.00 | 82.00 | 40.10# |
| 101.00 | 37.80 | 18.81 |
| 0.00 | 0.00 | 0.00 |

010055

1025Z48.D SCZ1025.M Thu Oct 26 08:59:52 2006 (CMP14,0,1)

Data File : C:\DATAZ\102506\1025Z48.D Vial: 48
Acq On : 26 Oct 2006 3:27 Operator:
Sample : SSTD250 Inst : Inst_Z
Misc : Multiplr: 1.00
MS Integration Params: RTEENT.P
Quant Time: Oct 26 8:59 2006 Quant Results File: SCZ1025.RES

Quant Method : C:\DATAZ\SCZ1025.M (RTE Integrator)
Title : Special VOAs - Z
Last Update : Tue Oct 24 08:52:37 2006
Response via : Initial Calibration
DataAcq Meth : ZVOAGC2
IS QA File : CC level for IS QA unknown. No recoveries calculated.

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) Rcv(Ar ) |
|---|---|---|---|---|---|---|---|
| 1) CI05 Pentafluorobenzene | 6.18 | 99 | 225278 | 50.00 | ppb | | -0.04 NA% |
| 8) CI10 1,4-Difluorobenzene | 6.62 | 114 | 561801 | 50.00 | ppb | | -0.04 NA% |
| 15) CI15 Chlorobenzene-d5 | 8.99 | 82 | 224092 | 50.00 | ppb | | -0.03 NA% |
| 18) CI20 1,4-Dichlroobenzene-d | 10.90 | 152 | 124917 | 50.00 | ppb | | -0.02 NA% |
| **System Monitoring Compounds** | | | | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) SS72 1,3-Butadiene | 1.14 | 39 | 1124876 | 226.15 | ppb | | 99 |
| 3) SS73 2-Methyl butane | 1.46 | 43 | 1063195 | 223.46 | ppb | | 96 |
| 4) SS79 Isoprene | 1.98 | 67 | 2813823 | 435.82 | ppb | | 100 |
| 5) SS89 Ethyl ether | 2.04 | 45 | 329398 | 209.13 | ppb | | 97 |
| 6) SS98 Pentane | 1.67 | 43 | 1492788 | 514.78 | ppb | | 99 |
| 7) SS67 Isobutylchloride | 4.94 | 43 | 2210939 | 225.03 | ppb | | 99 |
| 9) SS43 Isooctane | 5.87 | 57 | 9804775 | 456.11 | ppb | | 97 |
| 10) SS26 Heptane | 6.02 | 43 | 2220472 | 232.62 | ppb | | 93 |
| 11) SS22 2-Nitropropane | 7.99 | 43 | 236450 | 825.73 | ppb | | 80 |
| 12) SS71 n-Propyl acetate | 7.42 | 43 | 488056 | 219.66 | ppb | | 98 |
| 13) SS21 Epichlorohydrin | 7.83 | 49 | 106154 | 4131.44 | ppb | # | 81 |
| 14) SS27 Sec-butyl Ether | 7.95 | 45 | 2391033m | 231.25 | ppb | # | 97 |
| 16) SS45 Tetrahydrothiophene | 8.44 | 60 | 108598 | 231.59 | ppb | | 99 |
| 17) SS06 Cyclohexanone | 10.43 | 55 | 367749 | 5123.16 | ppb | | 100 |
| 19) SS98 4-Methylstyrene | 10.79 | 117 | 1450614 | 243.82 | ppb | | 92 |
| 20) SS99 Dicyclopentadiene | 10.78 | 66 | 4336282 | 278.74 | ppb | # | 93 |
| 21) SS83 Benzoyl chloride | 11.64 | 105 | 11608 | 11.41 | ppb | | 95 |

010056

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

# Response Factor Report Inst_Z

Method : C:\DATAZ\Z121406.M (RTE Integrator)
Title : 8260 LIST Z
Last Update : Thu Dec 14 14:14:31 2006
Response via : Initial Calibration

Calibration Files
50 =1214Z08.D 5 =1214Z05.D 10 =1214Z06.D
20 =1214Z07.D 100 =1214Z09.D 250 =1214Z10.D

| | | | Compound | 50 | 5 | 10 | 20 | 100 | 250 | Avg | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1) | I | CI05 | Pentafluorobenze | ---------- | ---------- | ISTD | ---------- | ---------- | ---------- | | |
| 2) | PM | C010 | Chloromethane | 0.524 | 0.498 | 0.485 | 0.508 | 0.476 | 0.507 | 0.500 | 3.42 |
| 3) | CM | C020 | Vinyl chloride | 0.353 | 0.223 | 0.275 | 0.309 | 0.340 | 0.379 | 0.313B | 18.30B |
| | | | | | | | | L | M= 0.382 | R=0.999 | |
| | | | | | | | | | B= -0.031 | | |
| 4) | TM | C015 | Bromomethane | 0.529 | 0.535 | 0.503 | 0.506 | 0.492 | 0.510 | 0.513 | 3.19 |
| 5) | T | C025 | Chloroethane | 0.240 | 0.259 | 0.276 | 0.250 | 0.207 | 0.175 | 0.235B | 15.79B |
| | | | | | | | | L | M= 0.171 | R=0.991 | |
| | | | | | | | | | B= 0.042 | | |
| 6) | T | D805 | Dichldiflmetha | 0.078 | 0.125 | 0.092 | 0.090 | 0.088 | 0.073 | 0.091B | 20.02B |
| | | | | | | | | L | M= 0.072 | R=0.993 | |
| | | | | | | | | | B= 0.009 | | |
| 7) | T | D010 | Trichlflmethan | 1.155 | 1.161 | 1.084 | 1.067 | 1.045 | 0.880 | 1.065 | 9.59 |
| 8) | T | E123 | 1,1,2-Trichlor | 0.899 | 1.025 | 0.885 | 0.853 | 0.814 | 0.866 | 0.890 | 8.12 |
| 9) | T | D015 | Acrolein | 0.028 | 0.009 | 0.031 | 0.026 | 0.025 | 0.028 | 0.025B | 32.52B |
| | | | | | | | | L | M= 0.028 | R=0.998 | |
| | | | | | | | | | B= -0.002 | | |
| 10) | T | C035 | Acetone | 0.068 | 0.185 | 0.141 | 0.087 | 0.055 | 0.059 | 0.099B | 52.98B |
| | | | | | | | | L | M= 0.056 | R=0.996 | |
| | | | | | | | | | B= 0.012 | | |
| 11) | MC | C045 | 1,1-Dichloroet | 0.762 | 0.840 | 0.725 | 0.667 | 0.698 | 0.697 | 0.732 | 8.49 |
| 12) | T | XS12 | Hexane | 0.726 | 0.843 | 0.721 | 0.701 | 0.675 | 0.671 | 0.723 | 8.73 |
| 13) | T | D020 | Acetonitrile | 0.088 | 0.100 | 0.091 | 0.086 | 0.085 | 0.085 | 0.089 | 6.28 |
| 14) | T | F010 | Methylacetate | 0.050 | 0.050 | 0.033 | 0.049 | 0.046 | 0.051 | 0.047 | 14.61 |
| 15) | T | D030 | Iodomethane | 1.296 | 1.353 | 1.175 | 1.086 | 1.161 | 1.233 | 1.217 | 7.97 |
| 16) | T | D025 | Allyl chloride | 0.372 | 0.417 | 0.385 | 0.367 | 0.352 | 0.348 | 0.373 | 6.72 |
| 17) | T | C030 | Methylene chlo | 1.251 | 2.474 | 1.484 | 0.985 | 0.814 | 0.713 | 1.287B | 50.31B |
| | | | | | | | | L | M= 0.667 | R=0.972 | |
| | | | | | | | | | B= 0.308 | | |
| 18) | T | C040 | Carbon disulfi | 2.010 | 2.176 | 1.912 | 1.726 | 1.695 | 1.536 | 1.843 | 12.68 |
| 19) | T | D810 | MTBE | 1.019 | 0.863 | 0.742 | 0.918 | 0.691 | 0.886 | 0.853 | 14.04 |
| 20) | T | C009 | Acrylonitrile | 0.091 | 0.098 | 0.091 | 0.084 | 0.094 | 0.110 | 0.095 | 9.51 |
| 21) | T | C053 | t-1,2-Dichleth | 0.905 | 0.965 | 0.882 | 0.833 | 0.857 | 0.893 | 0.889 | 5.10 |
| 22) | P | C050 | 1,1-Dichloroet | 1.203 | 1.309 | 1.232 | 1.162 | 1.133 | 1.123 | 1.194 | 5.85 |
| 23) | T | C125 | Vinyl acetate | 0.523 | 0.438 | 0.496 | 0.495 | 0.490 | 0.540 | 0.497 | 6.98 |
| 24) | T | D309 | Chloroprene | 0.813 | 0.936 | 0.844 | 0.782 | 0.786 | 0.791 | 0.825 | 7.14 |
| 25) | T | C110 | 2-Butanone | 0.125 | 0.156 | 0.159 | 0.113 | 0.113 | 0.131 | 0.133B | 15.33B |
| | | | | | | | | L | M= 0.130 | R=0.996 | |
| | | | | | | | | | B= -0.005 | | |
| 26) | T | E100 | Ethyl cyanide | 0.032 | 0.031 | 0.032 | 0.031 | 0.030 | 0.033 | 0.031 | 3.82 |
| 27) | T | C054 | c-1,2-Dichleth | 0.904 | 0.974 | 0.901 | 0.834 | 0.851 | 0.901 | 0.894 | 5.49 |
| 28) | T | B060 | 22-Dichloropro | 1.198 | 1.309 | 1.108 | 1.076 | 1.023 | 1.011 | 1.121 | 10.19 |
| 29) | C | C060 | Chloroform | 1.525 | 1.697 | 1.543 | 1.452 | 1.430 | 1.483 | 1.522 | 6.29 |
| 30) | T | E114 | Methacrylonitr | 0.204 | 0.187 | 0.196 | 0.176 | 0.177 | 0.195 | 0.189 | 5.96 |
| 31) | T | C007 | Isobutyl alcoh | 0.011 | 0.013 | 0.012 | 0.010 | 0.010 | 0.013 | 0.012 | 10.44 |
| 32) | T | B070 | Bromochloromet | 0.222 | 0.226 | 0.216 | 0.207 | 0.210 | 0.229 | 0.218 | 4.11 |
| 33) | T | B075 | 111-Trichloret | 1.387 | 1.502 | 1.318 | 1.253 | 1.240 | 1.277 | 1.330 | 7.50 |
| 34) | T | F012 | Cyclohexane | 1.462 | 1.615 | 1.414 | 1.310 | 1.285 | 1.278 | 1.394 | 9.43 |
| 35) | S | CS15 | Dibrfluoromeths | 0.615 | 0.542 | 0.545 | 0.549 | 0.590 | 0.638 | 0.580 | 7.03 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 36) | T | X103 | Tetrahydrofura | 0.081 | 0.070 | 0.084 | 0.077 | 0.071 | 0.078 | 0.077 | | 7.23 |
| 37) | I | CI10 | 1,4-Difluorobenz | ---------- | | | ISTD | ---------- | | | | |
| 38) | T | C065 | 1,2-Dichloroet | 0.228 | 0.277 | 0.243 | 0.222 | 0.214 | 0.225 | 0.235 | | 9.74 |
| 39) | T | C120 | Carbon tetrach | 0.357 | 0.405 | 0.349 | 0.323 | 0.333 | 0.339 | 0.351 | | 8.31 |
| 40) | T | B115 | 11-Dichloropro | 0.533 | 0.816 | 0.630 | 0.554 | 0.513 | 0.498 | 0.591B | | 20.27E |
| | | | | | | | | | L | M= 0.492 | R=1.000 | |
| | | | | | | | | | | B= 0.034 | | |
| 41) | M | C165 | Benzene | 1.512 | 1.813 | 1.611 | 1.475 | 1.472 | 1.504 | 1.565 | | 8.43 |
| 42) | M | C150 | Trichloroethen | 0.271 | 0.319 | 0.276 | 0.260 | 0.272 | 0.287 | 0.281 | | 7.32 |
| 43) | T | F013 | Methylcyclohex | 0.739 | 0.867 | 0.724 | 0.691 | 0.667 | 0.649 | 0.723 | | 10.83 |
| 44) | C | C140 | 12-Dichloropro | 0.278 | 0.320 | 0.283 | 0.268 | 0.261 | 0.256 | 0.278 | | 8.38 |
| 45) | T | E116 | Methyl methacr | 0.131 | 0.131 | 0.130 | 0.117 | 0.123 | 0.134 | 0.128 | | 5.03 |
| 46) | T | C130 | Bromodiclmetha | 0.488 | 0.549 | 0.479 | 0.458 | 0.462 | 0.483 | 0.486 | | 6.74 |
| 47) | T | D040 | Dibromomethane | 0.170 | 0.181 | 0.169 | 0.154 | 0.158 | 0.169 | 0.167 | | 5.73 |
| 48) | T | C251 | 1,4-Dioxane | 0.002 | 0.002 | 0.002 | 0.001 | 0.002 | 0.002 | 0.002 | | 7.43 |
| 49) | T | C175 | 2-Chloroethvin | 0.051 | 0.046 | 0.052 | 0.049 | 0.047 | 0.048 | 0.049 | | 4.65 |
| 50) | T | C143 | c-1,3-Dichlpro | 0.473 | 0.513 | 0.471 | 0.436 | 0.444 | 0.443 | 0.463 | | 6.19 |
| 51) | T | C172 | t-1,3-Dichlpro | 0.370 | 0.383 | 0.359 | 0.337 | 0.342 | 0.367 | 0.360 | | 4.84 |
| 52) | T | E112 | Ethyl methacry | 0.211 | 0.254 | 0.215 | 0.189 | 0.197 | 0.211 | 0.213 | | 10.56 |
| 53) | CM | B130 | Toluene | 1.711 | 2.001 | 1.737 | 1.622 | 1.662 | 1.718 | 1.742 | | 7.68 |
| 54) | S | CS05 | Toluene-d8 | 1.285 | 1.134 | 1.111 | 1.163 | 1.278 | 1.349 | 1.220 | | 7.94 |
| 55) | T | C160 | 112-Trichloret | 0.218 | 0.222 | 0.213 | 0.199 | 0.202 | 0.218 | 0.212 | | 4.47 |
| 56) | T | B155 | 1,2-Dibromoeth | 0.177 | 0.187 | 0.174 | 0.155 | 0.165 | 0.182 | 0.173 | | 6.68 |
| 57) | I | CI15 | Chlorobenzene-d5 | ---------- | | | ISTD | ---------- | | | | |
| 58) | T | B140 | 13-Dichloropro | 0.756 | 0.865 | 0.793 | 0.721 | 0.717 | 0.726 | 0.763 | | 7.55 |
| 59) | T | C155 | Chlorodibrmeth | 0.330 | 0.363 | 0.341 | 0.305 | 0.319 | 0.334 | 0.332 | | 5.99 |
| 60) | P | C180 | Bromoform | 0.283 | 0.306 | 0.288 | 0.260 | 0.269 | 0.303 | 0.285 | | 6.42 |
| 61) | T | C205 | 4-Methyl2penta | 0.260 | 0.300 | 0.263 | 0.235 | 0.238 | 0.249 | 0.257 | | 9.14 |
| 62) | T | C210 | 2-Hexanone | 0.168 | 0.194 | 0.155 | 0.151 | 0.151 | 0.172 | 0.165 | | 10.17 |
| 63) | T | C220 | Tetrachloroeth | 0.663 | 0.783 | 0.680 | 0.634 | 0.654 | 0.660 | 0.679 | | 7.81 |
| 64) | MP | C235 | Chlorobenzene | 1.652 | 1.867 | 1.641 | 1.539 | 1.606 | 1.740 | 1.674 | | 6.88 |
| 65) | T | C008 | 1112-Tetraclet | 0.394 | 0.477 | 0.432 | 0.365 | 0.372 | 0.400 | 0.407 | | 10.27 |
| 66) | C | C240 | Ethylbenzene | 3.829 | 4.524 | 3.865 | 3.648 | 3.745 | 3.843 | 3.909 | | 7.98 |
| 67) | T | C250 | m-p-Xylene | 1.286 | 1.486 | 1.277 | 1.208 | 1.280 | 1.435 | 1.329 | | 8.07 |
| 68) | T | C250 | o-Xylene | 1.198 | 1.400 | 1.220 | 1.159 | 1.161 | 1.243 | 1.230 | | 7.27 |
| 69) | T | C245 | Styrene | 1.782 | 1.918 | 1.724 | 1.639 | 1.747 | 1.945 | 1.793 | | 6.58 |
| 70) | I | CI20 | 1,4-Dichlroobenz | ---------- | | | ISTD | ---------- | | | | |
| 71) | T | B195 | Isopropylbenze | 5.306 | 6.981 | 5.599 | 5.402 | 5.259 | 6.174 | 5.787 | | 11.64 |
| 72) | P | C225 | 1122-Tetraclet | 0.805 | 1.035 | 0.914 | 0.813 | 0.761 | 0.876 | 0.867 | | 11.34 |
| 73) | S | CS10 | Bromofluoroben | 1.004 | 1.223 | 1.006 | 1.009 | 1.004 | 1.170 | 1.069 | | 9.35 |
| 74) | T | B210 | Bromobenzene | 1.008 | 1.262 | 1.054 | 0.996 | 1.002 | 1.220 | 1.090 | | 10.93 |
| 75) | T | D055 | 1,2,3-Triclpro | 0.190 | 0.270 | 0.213 | 0.190 | 0.183 | 0.215 | 0.210B | | 15.19B |
| | | | | | | | | | L | M= 0.214 | R=0.996 | |
| | | | | | | | | | | B= -0.015 | | |
| 76) | T | B215 | n-Propylbenzen | 7.795 | 9.924 | 7.983 | 7.745 | 7.834 | 7.442 | 8.121 | | 11.10 |
| 77) | T | B220 | 2-Chlorotoluen | 4.288 | 5.572 | 4.568 | 4.361 | 4.230 | 7.455 | 5.079B | | 24.92B |
| | | | | | | | | | L | M= 7.490 | R=0.969 | |
| | | | | | | | | | | B= -2.161 | | |
| 78) | T | B230 | 1,3,5-Trimeben | 4.176 | 5.310 | 4.284 | 4.138 | 4.275 | 5.142 | 4.554 | | 11.55 |
| 79) | T | B225 | 4-Chlorotoluen | 4.194 | 5.197 | 4.243 | 4.089 | 4.202 | 4.807 | 4.455 | | 9.96 |
| 80) | T | E118 | Pentachloroeth | 0.725 | 0.929 | 0.758 | 0.721 | 0.729 | 0.903 | 0.794 | | 12.04 |
| 81) | T | B240 | tert-Butylbenz | 3.640 | 4.620 | 3.735 | 3.633 | 3.879 | 5.017 | 4.087 | | 14.35 |
| 82) | T | B235 | 1,2,4-Trimeben | 3.963 | 4.876 | 4.035 | 3.866 | 4.115 | 5.017 | 4.312 | | 11.60 |
| 83) | T | B245 | sec-Butylbenze | 6.185 | 7.508 | 6.114 | 5.974 | 6.471 | 6.466 | 6.453 | | 8.57 |
| 84) | T | B255 | 4-Isopropyltol | 3.617 | 4.169 | 3.473 | 3.360 | 3.905 | 5.008 | 3.922B | | 15.52B |
| | | | | | | | | | L | M= 5.055 | R=0.991 | |
| | | | | | | | | | | B= -0.928 | | |
| 85) | T | D070 | t-1,4Dicl-2-bu | 0.278 | 0.331 | 0.291 | 0.261 | 0.266 | 0.319 | 0.291 | | 9.81 |
| 86) | T | C252 | 1,3-Dichlorobe | 1.778 | 1.964 | 1.723 | 1.656 | 1.846 | 2.438 | 1.901 | | 14.92 |
| 87) | T | C254 | 1,4-Dichlorobe | 1.694 | 1.895 | 1.598 | 1.555 | 1.750 | 2.276 | 1.795 | | 14.73 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 88) | T | C255 | 1,2-Dichlorobe | 1.434 | 1.637 | 1.392 | 1.328 | 1.460 | 1.863 | 1.519 | 13.01 |
| 89) | T | B250 | n-Butylbenzene | 4.402 | 4.402 | 3.906 | 3.835 | 4.763 | 5.246 | 4.426 | 11.98 |
| 90) | T | D060 | 1,2-Dibr3chlpr | 0.073 | 0.095 | 0.075 | 0.070 | 0.074 | 0.090 | 0.080 | 13.20 |
| 91) | T | B290 | 1,2,4-Trichlbe | 0.639 | 0.545 | 0.478 | 0.504 | 0.784 | 1.040 | 0.665B | 32.29E |
| | | | | | | | | L | M= 1.062 R=0.989 | | |
| | | | | | | | | | B= -0.273 | | |
| 92) | T | B280 | Hexachlorobuta | 0.258 | 0.298 | 0.257 | 0.242 | 0.296 | 0.291 | 0.274 | 8.79 |
| 93) | T | B285 | Naphthalene | 0.495 | 0.476 | 0.408 | 0.403 | 0.615 | 0.870 | 0.544B | 32.52E |
| | | | | | | | | L | M= 0.888 R=0.984 | | |
| | | | | | | | | | B= -0.250 | | |
| 94) | T | B295 | 1,2,3-Trichlbe | 0.455 | 0.417 | 0.360 | 0.374 | 0.566 | 0.730 | 0.484B | 29.26E |
| | | | | | | | | L | M= 0.746 R=0.990 | | |
| | | | | | | | | | B= -0.183 | | |

Total Average %RSD 8.55

L = Linear LO = Linear+Origin Q = Quad QO = Quad+Origin R = Corr. Coef
(#) = Out of Range (B) = Before Regression

Z121406.M Thu Dec 14 14:14:38 2006

# Concentration Report for Z121406.M

Method : C:\DATAZ\Z121406.M (RTE Integrator)
Title : 8260 LIST Z

COLUMN A — Calibration Levels

| | compound name | 50 | 5 | 10 | 20 | 100 | 250 |
|---|---|---|---|---|---|---|---|
| 1 | CI05 Pentafluor | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| 2 | C010 Chlorometh | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 3 | C020 Vinyl chlo | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 4 | C015 Bromometha | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 5 | C025 Chloroetha | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 6 | D805 Dichldiflm | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 7 | D010 Trichlflme | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 8 | E123 1,1,2-Tric | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 9 | D015 Acrolein | 100.0 | 10.0 | 20.0 | 40.0 | 200.0 | 500.0 |
| 10 | C035 Acetone | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 11 | C045 1,1-Dichlo | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 12 | XS12 Hexane | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 13 | D020 Acetonitri | 500.0 | 50.0 | 100.0 | 200.0 | 1000.0 | 2500.0 |
| 14 | F010 Methylacet | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 15 | D030 Iodomethan | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 16 | D025 Allyl chlo | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 17 | C030 Methylene | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 18 | C040 Carbon dis | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 19 | D810 MTBE | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 20 | C009 Acrylonitr | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 21 | C053 t-1,2-Dich | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 22 | C050 1,1-Dichlo | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 23 | C125 Vinyl acet | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 24 | D309 Chloropren | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 25 | C110 2-Butanone | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 26 | E100 Ethyl cyan | 500.0 | 50.0 | 100.0 | 200.0 | 1000.0 | 2500.0 |
| 27 | C054 c-1,2-Dich | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 28 | B060 22-Dichlor | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 29 | C060 Chloroform | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 30 | E114 Methacrylo | 500.0 | 50.0 | 100.0 | 200.0 | 1000.0 | 2500.0 |
| 31 | C007 Isobutyl a | 1000.0 | 100.0 | 200.0 | 400.0 | 2000.0 | 5000.0 |
| 32 | B070 Bromochlor | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 33 | B075 111-Trichl | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 34 | F012 Cyclohexan | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 35 | CS15 Dibrfluoro | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 36 | X103 Tetrahydro | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 37 | CI10 1,4-Difluo | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| 38 | C065 1,2-Dichlo | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 39 | C120 Carbon tet | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 40 | B115 11-Dichlor | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 41 | C165 Benzene | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 42 | C150 Trichloroe | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 43 | F013 Methylcycl | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 44 | C140 12-Dichlor | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 45 | E116 Methyl met | 100.0 | 10.0 | 20.0 | 40.0 | 200.0 | 500.0 |
| 46 | C130 Bromodiclm | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 47 | D040 Dibromomet | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 48 | C251 1,4-Dioxan | 1000.0 | 100.0 | 200.0 | 400.0 | 2000.0 | 5000.0 |
| 49 | C175 2-Chloroet | 200.0 | 20.0 | 40.0 | 80.0 | 400.0 | 1000.0 |
| 50 | C143 c-1,3-Dich | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 51 | C172 t-1,3-Dich | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 52 | E112 Ethyl meth | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 53 | B130 | Toluene | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 54 | CS05 | Toluene-d8 | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 55 | C160 | 112-Trichl | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 56 | B155 | 1,2-Dibrom | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 57 | CI15 | Chlorobenz | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| 58 | B140 | 13-Dichlor | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 59 | C155 | Chlorodibr | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 60 | C180 | Bromoform | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 61 | C205 | 4-Methyl2p | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 62 | C210 | 2-Hexanone | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 63 | C220 | Tetrachlor | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 64 | C235 | Chlorobenz | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 65 | C008 | 1112-Tetra | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 66 | C240 | Ethylbenze | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 67 | C250 | m-p-Xylene | 100.0 | 10.0 | 20.0 | 40.0 | 200.0 | 500.0 |
| 68 | C250 | o-Xylene | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 69 | C245 | Styrene | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 70 | CI20 | 1,4-Dichlr | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| 71 | B195 | Isopropylb | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 72 | C225 | 1122-Tetra | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 73 | CS10 | Bromofluor | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 74 | B210 | Bromobenze | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 75 | D055 | 1,2,3-Tric | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 76 | B215 | n-Propylbe | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 77 | B220 | 2-Chloroto | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 78 | B230 | 1,3,5-Trim | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 79 | B225 | 4-Chloroto | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 80 | E118 | Pentachlor | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 81 | B240 | tert-Butyl | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 82 | B235 | 1,2,4-Trim | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 83 | B245 | sec-Butylb | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 84 | B255 | 4-Isopropy | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 85 | D070 | t-1,4Dicl- | 100.0 | 10.0 | 20.0 | 40.0 | 200.0 | 500.0 |
| 86 | C252 | 1,3-Dichlo | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 87 | C254 | 1,4-Dichlo | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 88 | C253 | 1,2-Dichlo | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 89 | B250 | n-Butylben | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 90 | D060 | 1,2-Dibr3c | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 91 | B290 | 1,2,4-Tric | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 92 | B280 | Hexachloro | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 93 | B285 | Naphthalen | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |
| 94 | B295 | 1,2,3-Tric | 50.0 | 5.0 | 10.0 | 20.0 | 100.0 | 250.0 |

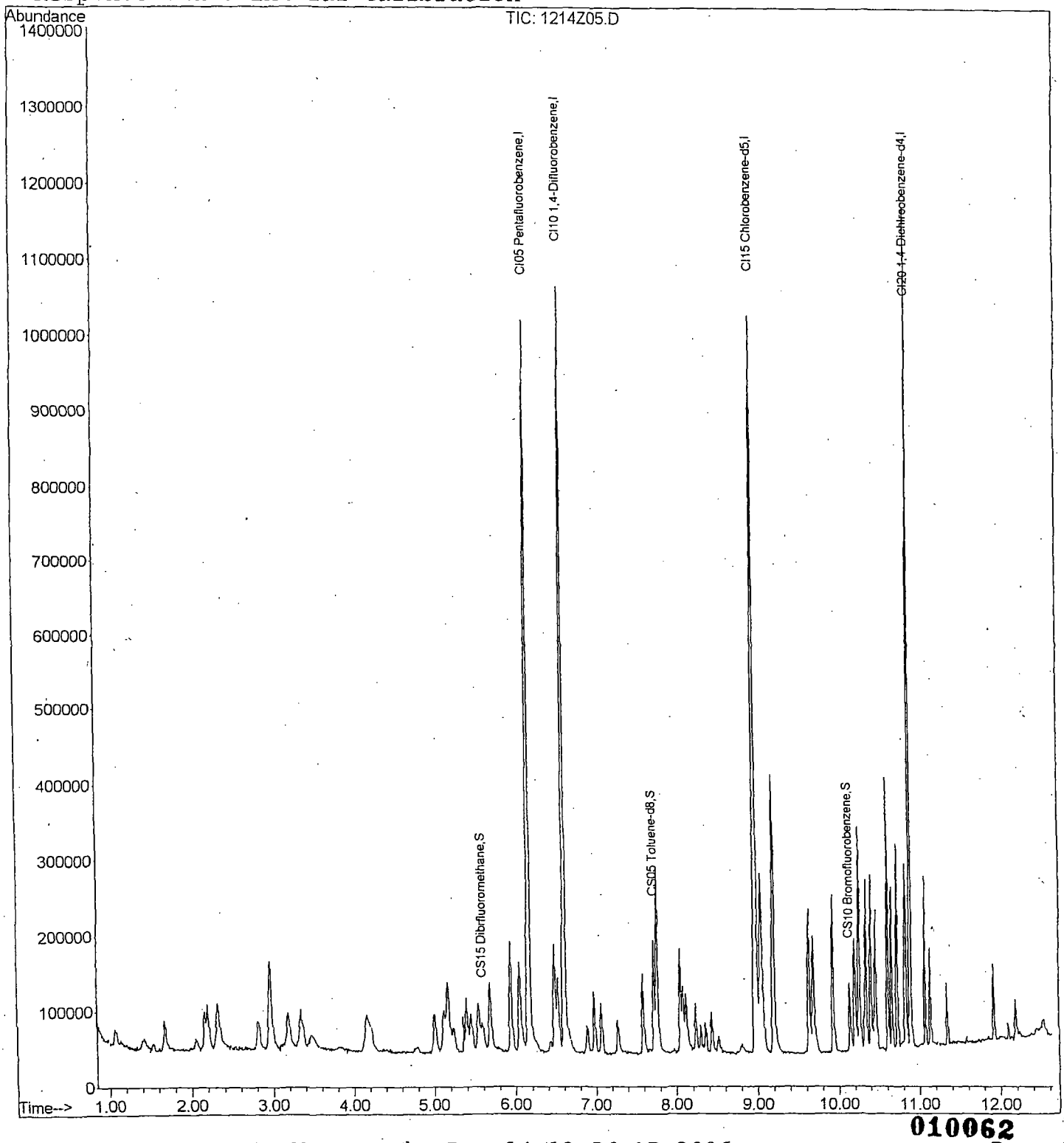
Quantitation Report

Data File : C:\DATAZ\121406\1214Z05.D
Acq On : 14 Dec 2006 11:07
Sample : VSTD005
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 14 13:54 2006

Vial: 5
Operator:
Inst : Inst_Z
Multiplr: 1.00

Quant Results File: Z121406.RE

Method : C:\DATAZ\Z121406.M (RTE Integrator)
Title : 8260 LIST Z
Last Update : Thu Dec 14 13:50:42 2006
Response via : Initial Calibration




010062

Data File : C:\DATAZ\121406\1214Z05.D Vial: 5
Acq On : 14 Dec 2006 11:07 Operator:
Sample : VSTD005 Inst : Inst_Z
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 14 13:54 2006 Quant Results File: Z121406.RE

Quant Method : C:\DATAZ\Z121406.M (RTE Integrator)
Title : 8260 LIST Z
Last Update : Thu Dec 14 13:50:42 2006
Response via : Initial Calibration
DataAcq Meth : ZVOAGC2
IS QA File : CC level for IS QA unknown. No recoveries calculated.

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) Rcv(Ar ) |
|---|---|---|---|---|---|---|---|
| 1) CI05 Pentafluorobenzene | 6.17 | 99 | 407318 | 50.00 | ppb | | 0.00 NA% |
| 37) CI10 1,4-Difluorobenzene | 6.61 | 114 | 850455 | 50.00 | ppb | | 0.00 NA% |
| 57) CI15 Chlorobenzene-d5 | 8.98 | 82 | 407022 | 50.00 | ppb | | 0.00 NA% |
| 70) CI20 1,4-Dichlroobenzene-d | 10.89 | 152 | 202599 | 50.00 | ppb | | 0.00 NA% |
| **System Monitoring Compounds** | | | | | | | |
| 35) CS15 Dibrfluoromethane | 5.59 | 113 | 22092 | 4.41 | ppb | | 0.00 |
| Spiked Amount 50.000 | Range 68 - 124 | | Recovery = 8.82%# | | | | |
| 54) CS05 Toluene-d8 | 7.73 | 98 | 96471 | 4.41 | ppb | | 0.00 |
| Spiked Amount 50.000 | Range 74 - 122 | | Recovery = 8.82%# | | | | |
| 73) CS10 Bromofluorobenzene | 10.14 | 176 | 24780 | 6.09 | ppb | | -0.01 |
| Spiked Amount 50.000 | Range 71 - 129 | | Recovery = 12.18%# | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) C010 Chloromethane | 1.06 | 50 | 20275 | 4.75 | ppb | | 93 |
| 3) C020 Vinyl chloride | 1.14 | 62 | 9070 | 3.15 | ppb | | 75 |
| 4) C015 Bromomethane | 1.42 | 94 | 21802m | 5.06 | ppb | # | 2 |
| 5) C025 Chloroethane | 1.54 | 64 | 10563 | 5.41 | ppb | | 95 |
| 6) D805 Dichldiflmethane | 0.91 | 85 | 5086 | 7.98 | ppb | | 96 |
| 7) D010 Trichlflmethane | 1.67 | 101 | 47271 | 5.02 | ppb | | 96 |
| 8) E123 1,1,2-Trichlorotriflu | 2.31 | 101 | 41757 | 5.70 | ppb | | 98 |
| 9) D015 Acrolein | 2.66 | 56 | 719 | 3.11 | ppb | # | 1 |
| 10) C035 Acetone | 3.13 | 43 | 7537 | 13.51 | ppb | | 94 |
| 11) C045 1,1-Dichloroethene | 2.20 | 96 | 34234 | 5.52 | ppb | # | 46 |
| 12) XS12 Hexane | 3.35 | 57 | 34336 | 5.80 | ppb | | 91 |
| 13) D020 Acetonitrile | 2.83 | 41 | 40623 | 56.62 | ppb | | 97 |
| 14) F010 Methylacetate | 3.35 | 74 | 2025 | 4.92 | ppb | | 100 |
| 15) D030 Iodomethane | 2.33 | 142 | 55096 | 5.22 | ppb | | 81 |
| 16) D025 Allyl chloride | 2.82 | 76 | 16966 | 5.60 | ppb | # | 57 |
| 17) C030 Methylene chloride | 2.98 | 84 | 100786 | 9.89 | ppb | # | 71 |
| 18) C040 Carbon disulfide | 2.16 | 76 | 88623 | 5.41 | ppb | | 97 |
| 19) D810 MTBE | 3.48 | 73 | 35132 | 4.23 | ppb | | 100 |
| 20) C009 Acrylonitrile | 4.38 | 53 | 3997m | 5.38 | ppb | | 1 |
| 21) C053 t-1,2-Dichlethene | 3.19 | 96 | 39309 | 5.33 | ppb | # | 56 |
| 22) C050 1,1-Dichloroethane | 4.20 | 63 | 53299 | 5.44 | ppb | | 92 |

010063

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

Data File : C:\DATAZ\121406\1214Z05.D
Acq On : 14 Dec 2006 11:07
Sample : VSTD005
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 14 13:54 2006

Vial: 5
Operator:
Inst : Inst_Z
Multiplr: 1.00
Quant Results File: Z121406.RE

Quant Method : C:\DATAZ\Z121406.M (RTE Integrator)
Title : 8260 LIST Z
Last Update : Thu Dec 14 13:50:42 2006
Response via : Initial Calibration
DataAcq Meth : ZVOAGC2

| | Compound | R.T. | QIon | Response | Conc | Unit | | Qvalue |
|---|---|---|---|---|---|---|---|---|
| 23) | C125 Vinyl acetate | 4.79 | 43 | 17853 | 4.19 | ppb | | 76 |
| 24) | D309 Chloroprene | 4.17 | 88 | 38124 | 5.75 | ppb | | 100 |
| 25) | C110 2-Butanone | 5.79 | 43 | 6345 | 6.25 | ppb | | 92 |
| 26) | E100 Ethyl cyanide | 6.05 | 54 | 12464 | 47.21 | ppb | | 93 |
| 27) | C054 c-1,2-Dichlethene | 5.01 | 96 | 39675 | 5.39 | ppb | # | 77 |
| 28) | B060 22-Dichloropropane | 5.13 | 77 | 53307 | 5.46 | ppb | | 93 |
| 29) | C060 Chloroform | 5.40 | 83 | 69124 | 5.57 | ppb | | 92 |
| 30) | E114 Methacrylonitrile | 6.06 | 41 | 76234 | 45.86 | ppb | | 97 |
| 31) | C007 Isobutyl alcohol | 6.43 | 43 | 10296 | 109.98 | ppb | | 72 |
| 32) | B070 Bromochloromethane | 5.25 | 128 | 9199 | 5.09 | ppb | | 100 |
| 33) | B075 111-Trichlorethane | 5.55 | 97 | 61182 | 5.41 | ppb | | 90 |
| 34) | F012 Cyclohexane | 5.18 | 84 | 65795 | 5.53 | ppb | # | 58 |
| 36) | X103 Tetrahydrofuran | 5.57 | 42 | 2862 | 4.33 | ppb | | 89 |
| 38) | C065 1,2-Dichloroethane | 6.17 | 62 | 23597 | 6.08 | ppb | | 98 |
| 39) | C120 Carbon tetrachlori | 5.46 | 117 | 34472 | 5.68 | ppb | | 94 |
| 40) | B115 11-Dichloropropene | 5.69 | 75 | 69426 | 7.65 | ppb | | 91 |
| 41) | C165 Benzene | 5.95 | 78 | 154201 | 5.99 | ppb | | 99 |
| 42) | C150 Trichloroethene | 6.53 | 130 | 27096 | 5.87 | ppb | # | 44 |
| 43) | F013 Methylcyclohexane | 6.49 | 83 | 73772 | 5.87 | ppb | # | 79 |
| 44) | C140 12-Dichloropropane | 6.99 | 63 | 27244 | 5.77 | ppb | | 92 |
| 45) | E116 Methyl methacrylate | 7.28 | 41 | 22356 | 10.00 | ppb | | 85 |
| 46) | C130 Bromodiclmethane | 7.07 | 83 | 46665 | 5.62 | ppb | | 97 |
| 47) | D040 Dibromomethane | 6.89 | 93 | 15390 | 5.31 | ppb | | 92 |
| 48) | C251 1,4-Dioxane | 7.29 | 88 | 2771 | 95.27 | ppb | # | 14 |
| 49) | C175 2-Chloroethvinylet | 7.60 | 63 | 15650 | 18.05 | ppb | | 93 |
| 50) | C143 c-1,3-Dichlpropene | 7.60 | 75 | 43595 | 5.42 | ppb | | 98 |
| 51) | C172 t-1,3-Dichlpropene | 8.13 | 75 | 32607 | 5.18 | ppb | | 98 |
| 52) | E112 Ethyl methacrylate | 8.31 | 69 | 21642 | 6.03 | ppb | | 90 |
| 53) | B130 Toluene | 7.77 | 91 | 170184 | 5.85 | ppb | | 98 |
| 55) | C160 112-Trichlorethane | 8.24 | 97 | 18856 | 5.09 | ppb | | 81 |
| 56) | B155 1,2-Dibromoethane | 8.52 | 107 | 15864 | 5.27 | ppb | | 94 |
| 58) | B140 13-Dichloropropane | 8.44 | 76 | 35205 | 5.72 | ppb | | 94 |
| 59) | C155 Chlorodibrmethane | 8.36 | 129 | 14783 | 5.50 | ppb | | 99 |
| 60) | C180 Bromoform | 9.69 | 173 | 12462 | 5.41 | ppb | | 93 |
| 61) | C205 4-Methyl2pentanone | 8.12 | 43 | 12193 | 5.77 | ppb | | 91 |
| 62) | C210 2-Hexanone | 8.80 | 43 | 7882 | 5.77 | ppb | | 89 |
| 63) | C220 Tetrachloroethene | 8.06 | 164 | 31868 | 5.90 | ppb | | 99 |
| 64) | C235 Chlorobenzene | 8.99 | 112 | 75999 | 5.65 | ppb | | 90 |
| 65) | C008 1112-Tetraclethane | 9.07 | 131 | 19417 | 6.06 | ppb | | 96 |
| 66) | C240 Ethylbenzene | 9.05 | 91 | 184152 | 5.91 | ppb | | 92 |
| 67) | C250 m-p-Xylene | 9.20 | 106 | 120986 | 11.55 | ppb | # | 81 |

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

010064

Data File : C:\DATAZ\121406\1214Z05.D
Acq On : 14 Dec 2006 11:07
Sample : VSTD005
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 14 13:54 2006

Vial: 5
Operator:
Inst : Inst_Z
Multiplr: 1.00
Quant Results File: Z121406.RE

Quant Method : C:\DATAZ\Z121406.M (RTE Integrator)
Title : 8260 LIST Z
Last Update : Thu Dec 14 13:50:42 2006
Response via : Initial Calibration
DataAcq Meth : ZVOAGC2

| | Compound | R.T. | QIon | Response | Conc | Unit | | Qvalue |
|---|---|---|---|---|---|---|---|---|
| 68) | C250 o-Xylene | 9.64 | 106 | 56986 | 5.84 | ppb | # | 72 |
| 69) | C245 Styrene | 9.69 | 104 | 78087 | 5.38 | ppb | | 99 |
| 71) | B195 Isopropylbenzene | 9.93 | 105 | 141443 | 6.58 | ppb | | 89 |
| 72) | C225 1122-Tetraclethane | 10.32 | 83 | 20962 | 6.43 | ppb | | 91 |
| 74) | B210 Bromobenzene | 10.20 | 156 | 25570 | 6.26 | ppb | | 94 |
| 75) | D055 1,2,3-Triclpropane | 10.40 | 110 | 5462 | 7.09 | ppb | | 96 |
| 76) | B215 n-Propylbenzene | 10.26 | 91 | 201062 | 6.37 | ppb | | 85 |
| 77) | B220 2-Chlorotoluene | 10.35 | 91 | 112894 | 6.50 | ppb | | 78 |
| 78) | B230 1,3,5-Trimebenzene | 10.41 | 105 | 107578 | 6.36 | ppb | | 87 |
| 79) | B225 4-Chlorotoluene | 10.47 | 91 | 105285 | 6.20 | ppb | | 81 |
| 80) | E118 Pentachloroethane | 10.61 | 167 | 18823 | 6.40 | ppb | # | 80 |
| 81) | B240 tert-Butylbenzene | 10.62 | 119 | 93598 | 6.35 | ppb | # | 73 |
| 82) | B235 1,2,4-Trimebenzene | 10.67 | 105 | 98795 | 6.15 | ppb | | 88 |
| 83) | B245 sec-Butylbenzene | 10.73 | 105 | 152105 | 6.07 | ppb | | 89 |
| 84) | B255 4-Isopropyltoluene | 10.83 | 119 | 84469 | 5.76 | ppb | | 95 |
| 85) | D070 t-1,4Dicl-2-butene | 10.22 | 88 | 13416 | 11.90 | ppb | | 100 |
| 86) | C252 1,3-Dichlorobenzen | 10.84 | 146 | 39800 | 5.53 | ppb | | 95 |
| 87) | C254 1,4-Dichlorobenzen | 10.90 | 146 | 38385 | 5.59 | ppb | | 96 |
| 88) | C253 1,2-Dichlorobenzen | 11.14 | 146 | 33166 | 5.71 | ppb | | 99 |
| 89) | B250 n-Butylbenzene | 11.07 | 91 | 89193 | 5.00 | ppb | | 93 |
| 90) | D060 1,2-Dibr3chlpropan | 11.58 | 75 | 1925 | 6.51 | ppb | | 96 |
| 91) | B290 1,2,4-Trichlbenzen | 11.93 | 180 | 11042 | 4.26 | ppb | | 98 |
| 92) | B280 Hexachlorobutadien | 11.92 | 225 | 6043 | 5.78 | ppb | | 100 |
| 93) | B285 Naphthalene | 12.09 | 128 | 9636 | 4.81 | ppb | | 100 |
| 94) | B295 1,2,3-Trichlbenzen | 12.19 | 180 | 8449 | 4.58 | ppb | | 97 |

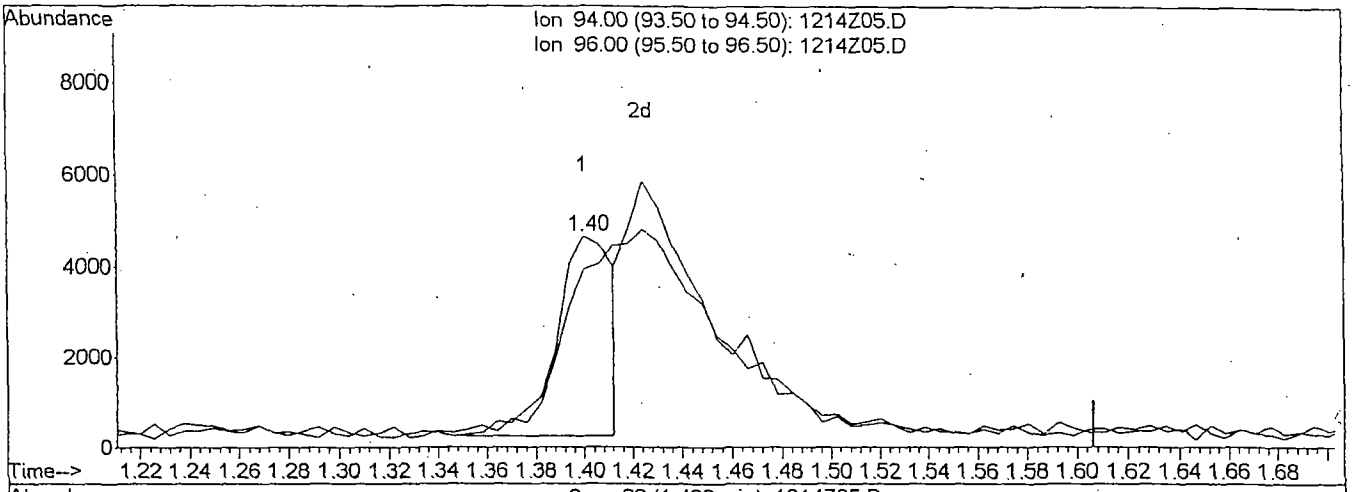
010065

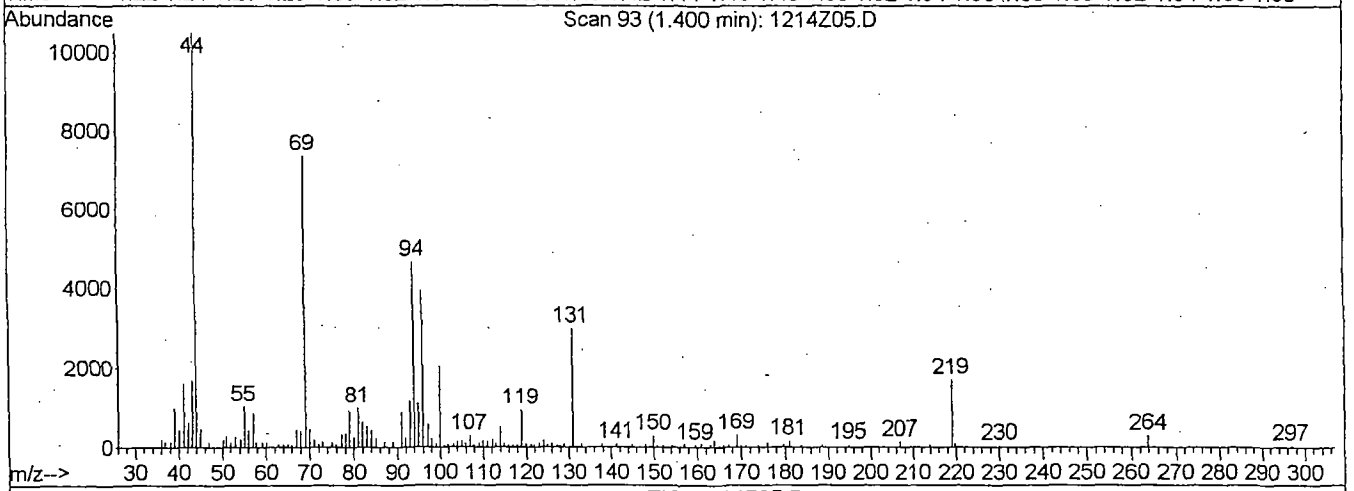
(#) = qualifier out of range (m) = manual integration

Data File : C:\DATAZ\121406\1214Z05.D
Acq On : 14 Dec 2006 11:07
Sample : VSTD005
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 14 13:50 2006

Vial: 5
Operator:
Inst : Inst_Z
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\DATAZ\Z121406.M (RTE Integrator)
Title : 8260 LIST Z
Last Update : Thu Dec 14 13:50:42 2006
Response via : Single Level Calibration




TIC: 1214Z05.D

(4) C015 Bromomethane (TM)

1.40min 1.72ppb

response 7420

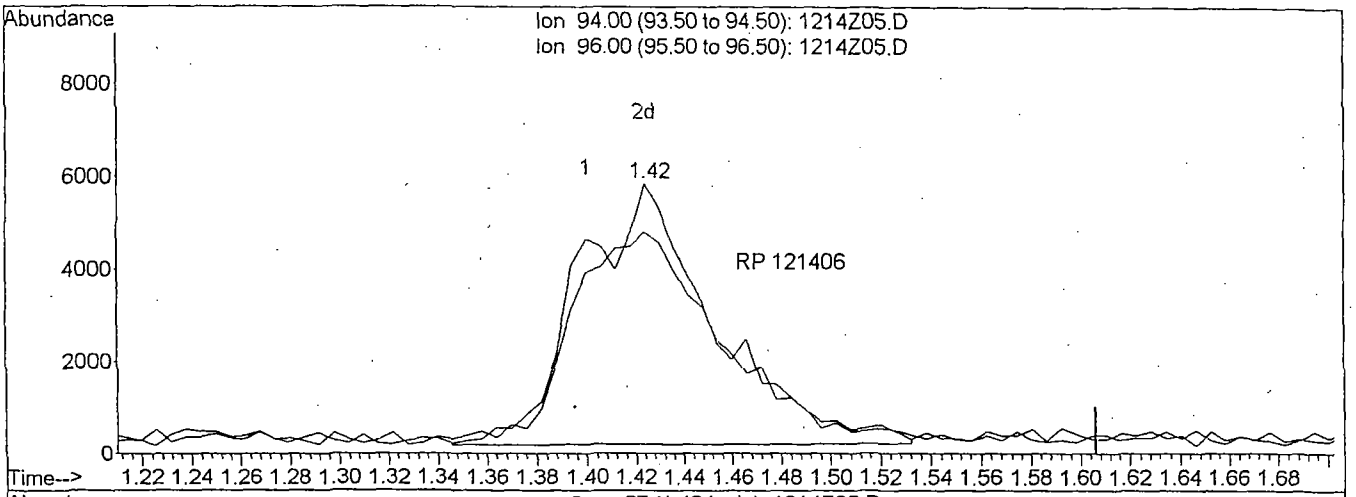
| Ion | Exp% | Act% |
|---|---|---|
| 94.00 | 100 | 100 |
| 96.00 | 94.50 | 0.00# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

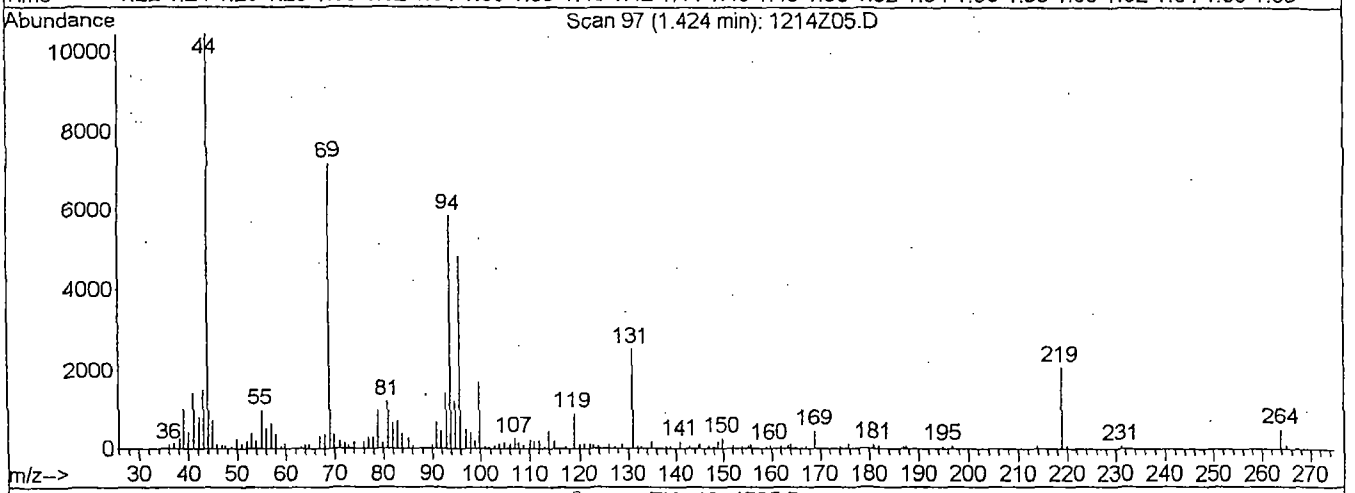
010066

1214Z05.D Z121406.M Thu Dec 14 13:53:40 2006 (CMP4,0,0)

Data File : C:\DATAZ\121406\1214Z05.D  Vial: 5
Acq On : 14 Dec 2006 11:07  Operator:
Sample : VSTD005  Inst : Inst_Z
Misc :  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 14 13:53 2006  Quant Results File: temp.res

Method : C:\DATAZ\Z121406.M (RTE Integrator)
Title : 8260 LIST Z
Last Update : Thu Dec 14 13:50:42 2006
Response via : Single Level Calibration




TIC: 1214Z05.D

(4) C015 Bromomethane (TM)

1.42min 5.06ppb m

response 21802

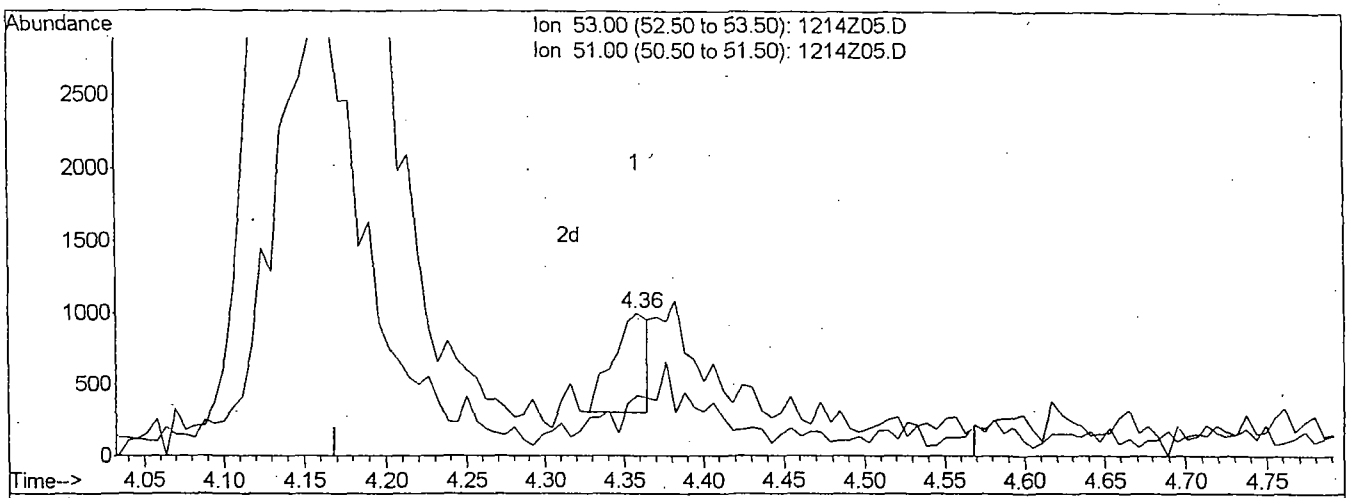
| Ion | Exp% | Act% |
|---|---|---|
| 94.00 | 100 | 100 |
| 96.00 | 94.50 | 0.00# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

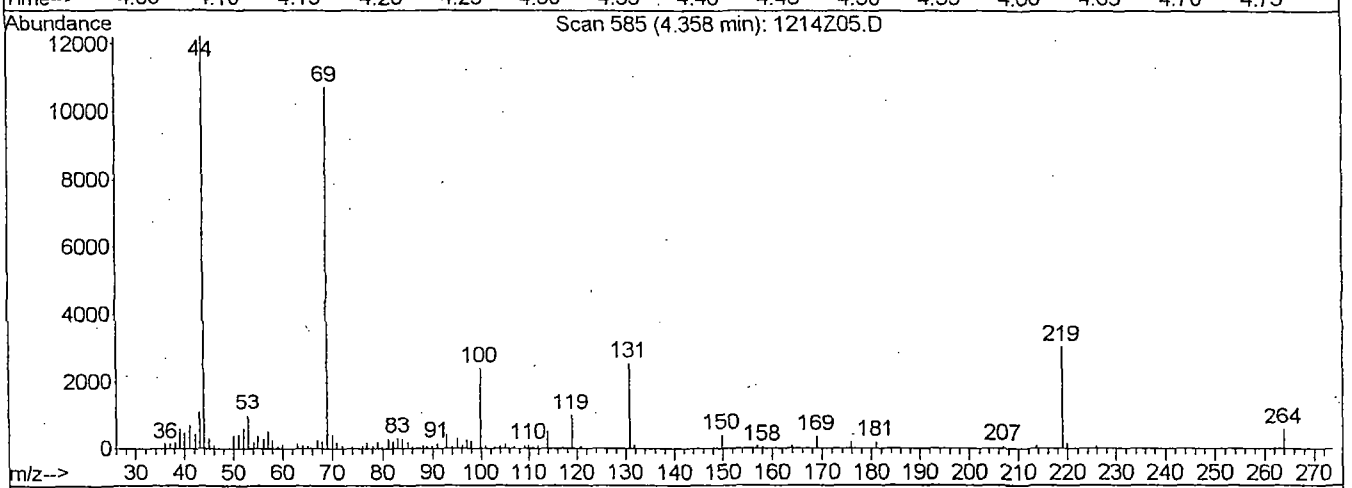
010067

Data File : C:\DATAZ\121406\1214Z05.D
Acq On : 14 Dec 2006 11:07
Sample : VSTD005
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 14 13:53 2006

Vial: 5
Operator:
Inst : Inst_Z
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\DATAZ\Z121406.M (RTE Integrator)
Title : 8260 LIST Z
Last Update : Thu Dec 14 13:50:42 2006
Response via : Single Level Calibration




TIC: 1214Z05.D

(20) C009 Acrylonitrile (T)

4.36min 1.46ppb

response 1082

| Ion | Exp% | Act% |
|---|---|---|
| 53.00 | 100 | 100 |
| 51.00 | 25.80 | 131.98# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

010068

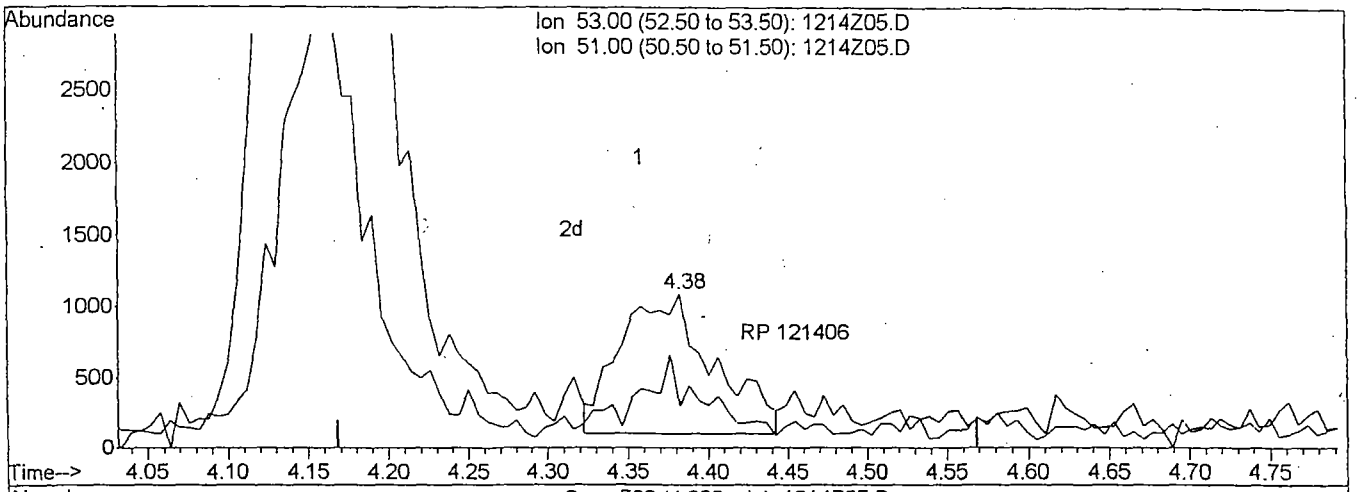
1214Z05.D Z121406.M Thu Dec 14 13:54:34 2006 (CMP20,0,0)

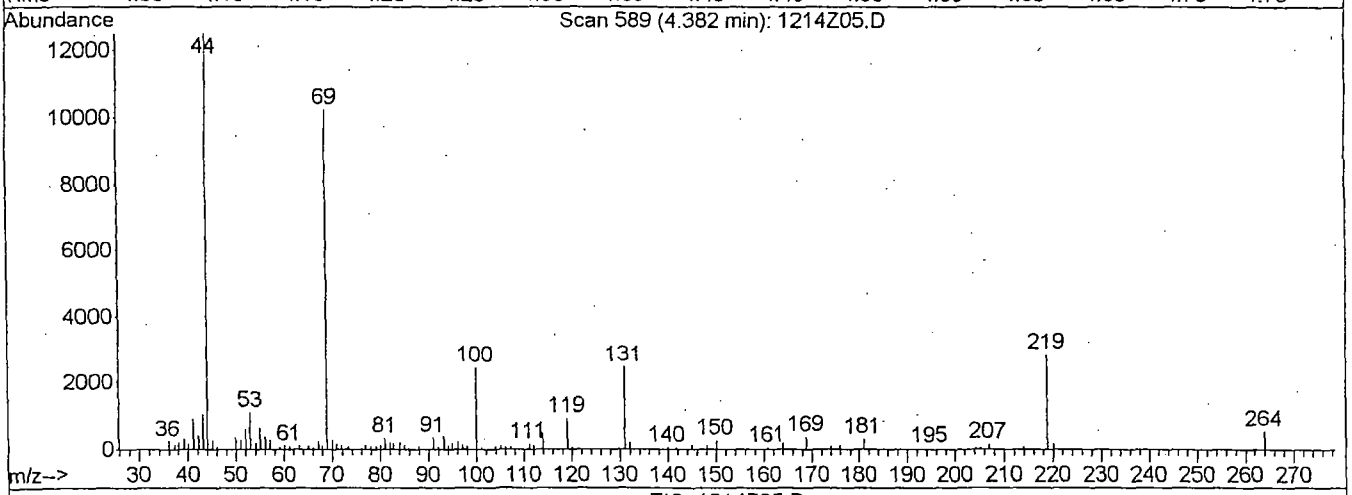
Quantitation Report (Qedit)

Data File : C:\DATAZ\121406\1214Z05.D
Acq On : 14 Dec 2006 11:07
Sample : VSTD005
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 14 13:54 2006

Vial: 5
Operator:
Inst : Inst_Z
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\DATAZ\Z121406.M (RTE Integrator)
Title : 8260 LIST Z
Last Update : Thu Dec 14 13:50:42 2006
Response via : Single Level Calibration




TIC: 1214Z05.D

(20) C009 Acrylonitrile (T)

4.38min 5.38ppb m

response 3997

| Ion | Exp% | Act% |
|---|---|---|
| 53.00 | 100 | 100 |
| 51.00 | 25.80 | 35.73 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

010069

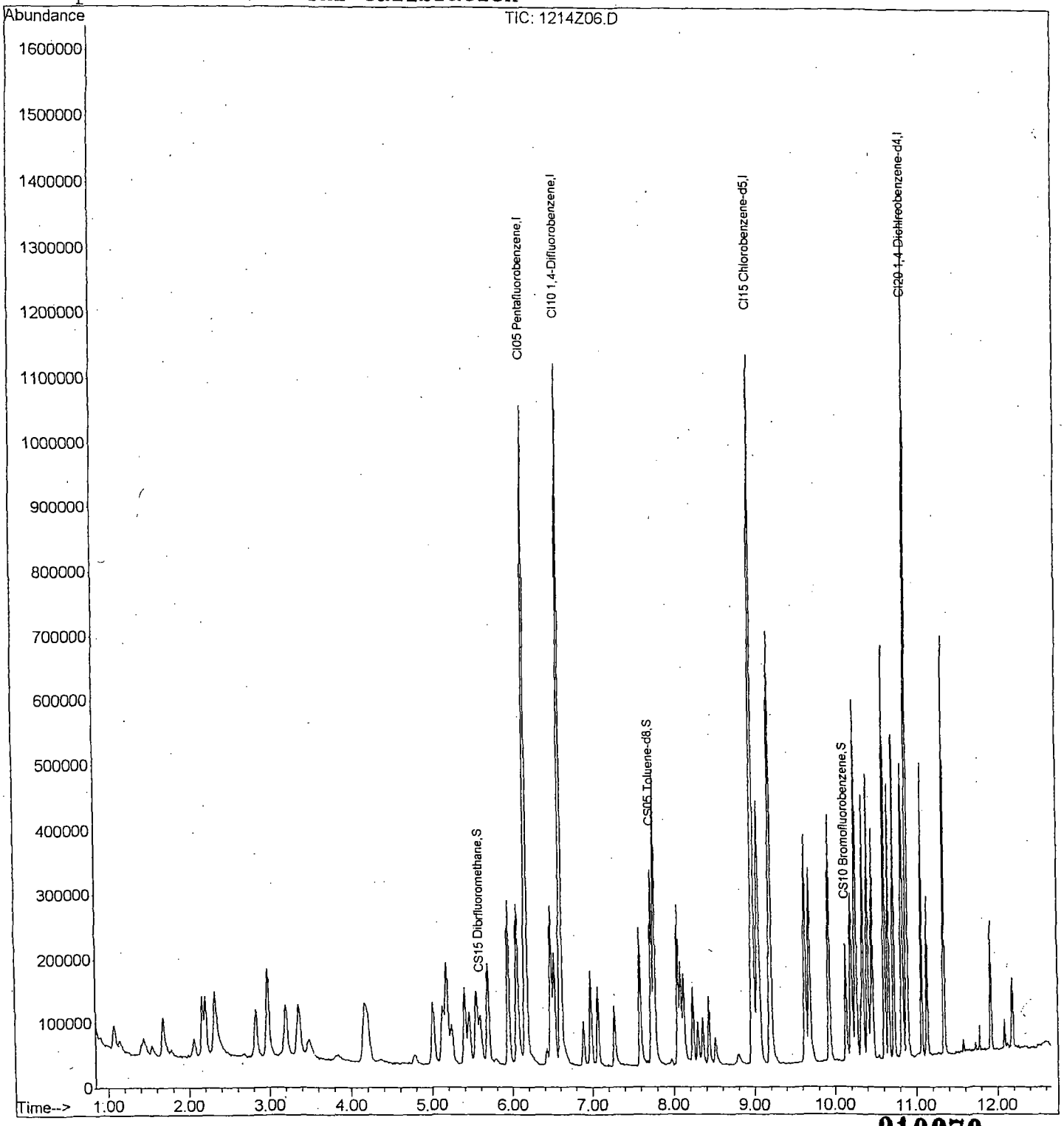
Quantitation Report

Data File : C:\DATAZ\121406\1214Z06.D
Acq On : 14 Dec 2006 11:27
Sample : VSTD010
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 14 13:51 2006

Vial: 6
Operator:
Inst : Inst_Z
Multiplr: 1.00

Quant Results File: Z121406.RE

Method : C:\DATAZ\Z121406.M (RTE Integrator)
Title : 8260 LIST Z
Last Update : Thu Dec 14 13:50:42 2006
Response via : Initial Calibration




010070

Data File : C:\DATAZ\121406\1214Z06.D Vial: 6
Acq On : 14 Dec 2006 11:27 Operator:
Sample : VSTD010 Inst : Inst_Z
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 14 13:51 2006 Quant Results File: Z121406.RE

Quant Method : C:\DATAZ\Z121406.M (RTE Integrator)
Title : 8260 LIST Z
Last Update : Thu Dec 14 13:50:42 2006
Response via : Initial Calibration
DataAcq Meth : ZVOAGC2
IS QA File : CC level for IS QA unknown. No recoveries calculated.

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) Rcv(Ar ) |
|---|---|---|---|---|---|---|---|
| 1) CI05 Pentafluorobenzene | 6.17 | 99 | 405512 | 50.00 | ppb | | 0.00 NA% |
| 37) CI10 1,4-Difluorobenzene | 6.61 | 114 | 874995 | 50.00 | ppb | | 0.00 NA% |
| 57) CI15 Chlorobenzene-d5 | 8.98 | 82 | 422477 | 50.00 | ppb | | 0.00 NA% |
| 70) CI20 1,4-Dichlroobenzene-d | 10.89 | 152 | 227759 | 50.00 | ppb | | 0.00 NA% |
| **System Monitoring Compounds** | | | | | | | |
| 35) CS15 Dibrfluoromethane | 5.60 | 113 | 44200 | 8.86 | ppb | | 0.00 |
| Spiked Amount 50.000 | Range 68 - 124 | | Recovery = 17.72%# | | | | |
| 54) CS05 Toluene-d8 | 7.74 | 98 | 194418 | 8.64 | ppb | | 0.00 |
| Spiked Amount 50.000 | Range 74 - 122 | | Recovery = 17.28%# | | | | |
| 73) CS10 Bromofluorobenzene | 10.14 | 176 | 45809 | 10.01 | ppb | | -0.01 |
| Spiked Amount 50.000 | Range 71 - 129 | | Recovery = 20.02%# | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) C010 Chloromethane | 1.07 | 50 | 39348 | 9.26 | ppb | | 96 |
| 3) C020 Vinyl chloride | 1.15 | 62 | 22267 | 7.77 | ppb | | 81 |
| 4) C015 Bromomethane | 1.44 | 94 | 40790 | 9.50 | ppb | | 99 |
| 5) C025 Chloroethane | 1.54 | 64 | 22359 | 11.49 | ppb | | 94 |
| 6) D805 Dichldiflmethane | 0.91 | 85 | 7456 | 11.76 | ppb | | 96 |
| 7) D010 Trichlflmethane | 1.68 | 101 | 87878 | 9.38 | ppb | | 99 |
| 8) E123 1,1,2-Trichlorotriflu | 2.34 | 101 | 71774 | 9.85 | ppb | | 99 |
| 9) D015 Acrolein | 2.69 | 56 | 5056 | 21.95 | ppb | | 91 |
| 10) C035 Acetone | 3.14 | 43 | 11448 | 20.61 | ppb | | 91 |
| 11) C045 1,1-Dichloroethene | 2.21 | 96 | 58827 | 9.52 | ppb | # | 48 |
| 12) XS12 Hexane | 3.36 | 57 | 58483 | 9.93 | ppb | | 91 |
| 13) D020 Acetonitrile | 2.83 | 41 | 73669 | 103.15 | ppb | | 93 |
| 14) F010 Methylacetate | 3.36 | 74 | 2694 | 6.58 | ppb | | 100 |
| 15) D030 Iodomethane | 2.33 | 142 | 95324 | 9.07 | ppb | | 83 |
| 16) D025 Allyl chloride | 2.84 | 76 | 31208 | 10.34 | ppb | # | 53 |
| 17) C030 Methylene chloride | 2.99 | 84 | 120364 | 11.87 | ppb | # | 72 |
| 18) C040 Carbon disulfide | 2.17 | 76 | 155080 | 9.51 | ppb | | 96 |
| 19) D810 MTBE | 3.49 | 73 | 60174 | 7.28 | ppb | | 100 |
| 20) C009 Acrylonitrile | 4.37 | 53 | 7350 | 9.94 | ppb | | 91 |
| 21) C053 t-1,2-Dichlethene | 3.20 | 96 | 71511 | 9.74 | ppb | # | 55 |
| 22) C050 1,1-Dichloroethane | 4.21 | 63 | 99953 | 10.24 | ppb | | 94 |

010071

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

Data File : C:\DATAZ\121406\1214Z06.D
Acq On : 14 Dec 2006 11:27
Sample : VSTD010
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 14 13:51 2006

Vial: 6
Operator:
Inst : Inst_Z
Multiplr: 1.00
Quant Results File: Z121406.RE

Quant Method : C:\DATAZ\Z121406.M (RTE Integrator)
Title : 8260 LIST Z
Last Update : Thu Dec 14 13:50:42 2006
Response via : Initial Calibration
DataAcq Meth : ZVOAGC2

| | Compound | R.T. | QIon | Response | Conc | Unit | | Qvalue |
|---|---|---|---|---|---|---|---|---|
| 23) | C125 Vinyl acetate | 4.79 | 43 | 40206 | 9.48 | ppb | | 85 |
| 24) | D309 Chloroprene | 4.17 | 88 | 68480 | 10.38 | ppb | | 100 |
| 25) | C110 2-Butanone | 5.80 | 43 | 12883 | 12.74 | ppb | | 96 |
| 26) | E100 Ethyl cyanide | 6.05 | 54 | 26285 | 100.00 | ppb | | 96 |
| 27) | C054 c-1,2-Dichlethene | 5.01 | 96 | 73033 | 9.96 | ppb | # | 75 |
| 28) | B060 22-Dichloropropane | 5.13 | 77 | 89828 | 9.24 | ppb | | 99 |
| 29) | C060 Chloroform | 5.40 | 83 | 125124 | 10.12 | ppb | | 92 |
| 30) | E114 Methacrylonitrile | 6.06 | 41 | 158732 | 95.91 | ppb | | 96 |
| 31) | C007 Isobutyl alcohol | 6.43 | 43 | 19544 | 209.69 | ppb | | 77 |
| 32) | B070 Bromochloromethane | 5.24 | 128 | 17479 | 9.71 | ppb | | 92 |
| 33) | B075 111-Trichlorethane | 5.55 | 97 | 106932 | 9.50 | ppb | | 91 |
| 34) | F012 Cyclohexane | 5.18 | 84 | 114675 | 9.67 | ppb | # | 57 |
| 36) | X103 Tetrahydrofuran | 5.57 | 42 | 6832 | 10.38 | ppb | | 92 |
| 38) | C065 1,2-Dichloroethane | 6.17 | 62 | 42522 | 10.66 | ppb | | 98 |
| 39) | C120 Carbon tetrachlori | 5.46 | 117 | 61158 | 9.79 | ppb | | 94 |
| 40) | B115 11-Dichloropropene | 5.69 | 75 | 110216 | 11.81 | ppb | | 94 |
| 41) | C165 Benzene | 5.95 | 78 | 281942 | 10.65 | ppb | | 98 |
| 42) | C150 Trichloroethene | 6.53 | 130 | 48222 | 10.16 | ppb | # | 44 |
| 43) | F013 Methylcyclohexane | 6.49 | 83 | 126648 | 9.80 | ppb | # | 79 |
| 44) | C140 12-Dichloropropane | 6.99 | 63 | 49571 | 10.20 | ppb | | 94 |
| 45) | E116 Methyl methacrylate | 7.27 | 41 | 45564 | 19.81 | ppb | | 87 |
| 46) | C130 Bromodiclmethane | 7.07 | 83 | 83810 | 9.81 | ppb | | 94 |
| 47) | D040 Dibromomethane | 6.89 | 93 | 29526 | 9.90 | ppb | | 97 |
| 48) | C251 1,4-Dioxane | 7.28 | 88 | 6128 | 204.78 | ppb | | 97 |
| 49) | C175 2-Chloroethvinylet | 7.60 | 63 | 36157 | 40.52 | ppb | | 93 |
| 50) | C143 c-1,3-Dichlpropene | 7.60 | 75 | 82339 | 9.95 | ppb | | 98 |
| 51) | C172 t-1,3-Dichlpropene | 8.13 | 75 | 62763 | 9.69 | ppb | | 95 |
| 52) | E112 Ethyl methacrylate | 8.30 | 69 | 37679 | 10.20 | ppb | | 96 |
| 53) | B130 Toluene | 7.77 | 91 | 304060 | 10.15 | ppb | | 98 |
| 55) | C160 112-Trichlorethane | 8.24 | 97 | 37348 | 9.79 | ppb | | 85 |
| 56) | B155 1,2-Dibromoethane | 8.52 | 107 | 30522 | 9.86 | ppb | | 93 |
| 58) | B140 13-Dichloropropane | 8.44 | 76 | 67031 | 10.50 | ppb | | 97 |
| 59) | C155 Chlorodibrmethane | 8.36 | 129 | 28852 | 10.34 | ppb | | 97 |
| 60) | C180 Bromoform | 9.69 | 173 | 24311 | 10.17 | ppb | | 95 |
| 61) | C205 4-Methyl2pentanone | 8.12 | 43 | 22261 | 10.15 | ppb | | 88 |
| 62) | C210 2-Hexanone | 8.80 | 43 | 13057 | 9.21 | ppb | | 90 |
| 63) | C220 Tetrachloroethene | 8.06 | 164 | 57415 | 10.25 | ppb | | 96 |
| 64) | C235 Chlorobenzene | 8.99 | 112 | 138644 | 9.93 | ppb | | 94 |
| 65) | C008 1112-Tetraclethane | 9.07 | 131 | 36509 | 10.98 | ppb | | 99 |
| 66) | C240 Ethylbenzene | 9.05 | 91 | 326589 | 10.09 | ppb | | 94 |
| 67) | C250 m-p-Xylene | 9.20 | 106 | 215791 | 19.85 | ppb | # | 82 |

010072

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

Data File : C:\DATAZ\121406\1214Z06.D Vial: 6
Acq On : 14 Dec 2006 11:27 Operator:
Sample : VSTD010 Inst : Inst_Z
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 14 13:51 2006 Quant Results File: Z121406.RE

Quant Method : C:\DATAZ\Z121406.M (RTE Integrator)
Title : 8260 LIST Z
Last Update : Thu Dec 14 13:50:42 2006
Response via : Initial Calibration
DataAcq Meth : ZVOAGC2

| | Compound | R.T. | QIon | Response | Conc | Unit | | Qvalue |
|---|---|---|---|---|---|---|---|---|
| 68) | C250 o-Xylene | 9.64 | 106 | 103100 | 10.18 | ppb | # | 74 |
| 69) | C245 Styrene | 9.69 | 104 | 145698 | 9.68 | ppb | | 98 |
| 71) | B195 Isopropylbenzene | 9.93 | 105 | 255042 | 10.55 | ppb | | 90 |
| 72) | C225 1122-Tetraclethane | 10.32 | 83 | 41630 | 11.35 | ppb | | 94 |
| 74) | B210 Bromobenzene | 10.20 | 156 | 48012 | 10.46 | ppb | | 95 |
| 75) | D055 1,2,3-Triclpropane | 10.40 | 110 | 9704 | 11.20 | ppb | | 98 |
| 76) | B215 n-Propylbenzene | 10.26 | 91 | 363634 | 10.24 | ppb | | 85 |
| 77) | B220 2-Chlorotoluene | 10.35 | 91 | 208060 | 10.65 | ppb | | 78 |
| 78) | B230 1,3,5-Trimebenzene | 10.41 | 105 | 195124 | 10.26 | ppb | | 87 |
| 79) | B225 4-Chlorotoluene | 10.47 | 91 | 193299 | 10.12 | ppb | | 81 |
| 80) | E118 Pentachloroethane | 10.62 | 167 | 34540 | 10.45 | ppb | # | 80 |
| 81) | B240 tert-Butylbenzene | 10.62 | 119 | 170152 | 10.26 | ppb | # | 75 |
| 82) | B235 1,2,4-Trimebenzene | 10.67 | 105 | 183783 | 10.18 | ppb | | 87 |
| 83) | B245 sec-Butylbenzene | 10.73 | 105 | 278509 | 9.89 | ppb | | 88 |
| 84) | B255 4-Isopropyltoluene | 10.83 | 119 | 158211 | 9.60 | ppb | | 96 |
| 85) | D070 t-1,4Dicl-2-butene | 10.21 | 88 | 26525 | 20.92 | ppb | | 100 |
| 86) | C252 1,3-Dichlorobenzen | 10.84 | 146 | 78472 | 9.69 | ppb | | 98 |
| 87) | C254 1,4-Dichlorobenzen | 10.90 | 146 | 72804 | 9.43 | ppb | | 98 |
| 88) | C253 1,2-Dichlorobenzen | 11.14 | 146 | 63422 | 9.71 | ppb | | 97 |
| 89) | B250 n-Butylbenzene | 11.07 | 91 | 177932 | 8.87 | ppb | | 92 |
| 90) | D060 1,2-Dibr3chlpropan | 11.58 | 75 | 3430 | 10.32 | ppb | | 96 |
| 91) | B290 1,2,4-Trichlbenzen | 11.93 | 180 | 21783 | 7.48 | ppb | | 98 |
| 92) | B280 Hexachlorobutadien | 11.92 | 225 | 11690 | 9.95 | ppb | | 100 |
| 93) | B285 Naphthalene | 12.09 | 128 | 18574 | 8.24 | ppb | | 100 |
| 94) | B295 1,2,3-Trichlbenzen | 12.18 | 180 | 16393 | 7.90 | ppb | | 91 |

010073

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

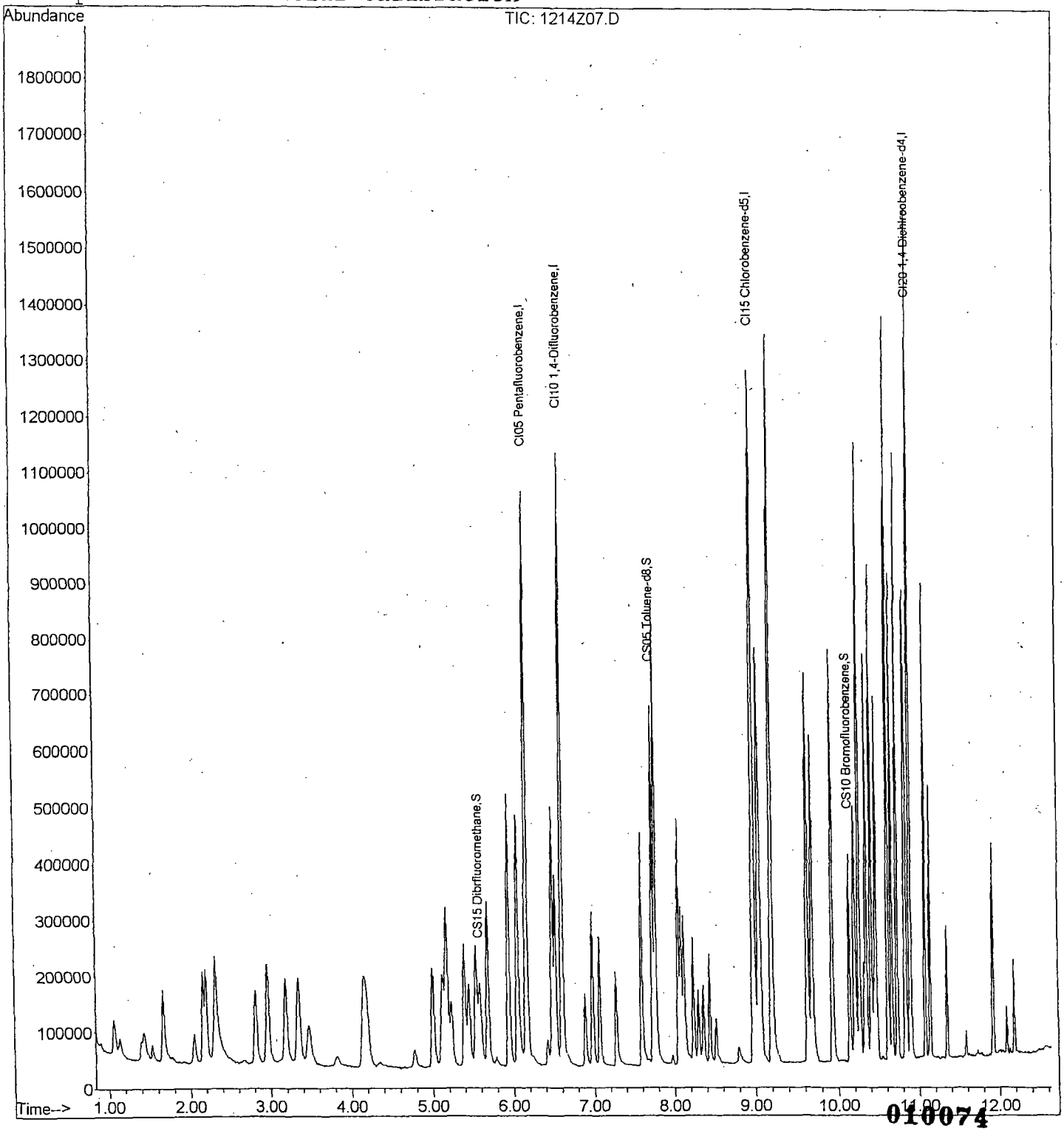
Quantitation Report

Data File : C:\DATAZ\121406\1214Z07.D
Acq On : 14 Dec 2006 11:46
Sample : VSTD020
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 14 13:51 2006

Vial: 7
Operator:
Inst : Inst_Z
Multiplr: 1.00

Quant Results File: Z121406.RE

Method : C:\DATAZ\Z121406.M (RTE Integrator)
Title : 8260 LIST Z
Last Update : Thu Dec 14 13:50:42 2006
Response via : Initial Calibration




010074

Data File : C:\DATAZ\121406\1214Z07.D Vial: 7
Acq On : 14 Dec 2006 11:46 Operator:
Sample : VSTD020 Inst : Inst_Z
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 14 13:51 2006 Quant Results File: Z121406.RE

Quant Method : C:\DATAZ\Z121406.M (RTE Integrator)
Title : 8260 LIST Z
Last Update : Thu Dec 14 13:50:42 2006
Response via : Initial Calibration
DataAcq Meth : ZVOAGC2
IS QA File : CC level for IS QA unknown. No recoveries calculated.

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) Rcv(Ar ) |
|---|---|---|---|---|---|
| 1) CI05 Pentafluorobenzene | 6.16 | 99 | 381812 | 50.00 ppb | 0.00 NA% |
| 37) CI10 1,4-Difluorobenzene | 6.60 | 114 | 837074 | 50.00 ppb | 0.00 NA% |
| 57) CI15 Chlorobenzene-d5 | 8.98 | 82 | 412917 | 50.00 ppb | 0.00 NA% |
| 70) CI20 1,4-Dichlroobenzene-d | 10.89 | 152 | 223598 | 50.00 ppb | 0.00 NA% |
| **System Monitoring Compounds** | | | | | |
| 35) CS15 Dibrfluoromethane | 5.59 | 113 | 83837 | 17.85 ppb | -0.01 |
| Spiked Amount 50.000 | Range 68 - 124 | | Recovery = 35.70%# | | |
| 54) CS05 Toluene-d8 | 7.73 | 98 | 389413 | 18.10 ppb | 0.00 |
| Spiked Amount 50.000 | Range 74 - 122 | | Recovery = 36.20%# | | |
| 73) CS10 Bromofluorobenzene | 10.14 | 176 | 90259 | 20.09 ppb | 0.00 |
| Spiked Amount 50.000 | Range 71 - 129 | | Recovery = 40.18%# | | |
| **Target Compounds** | | | | | Qvalue |
| 2) C010 Chloromethane | 1.06 | 50 | 77515 | 19.38 ppb | 97 |
| 3) C020 Vinyl chloride | 1.14 | 62 | 47189 | 17.49 ppb | 92 |
| 4) C015 Bromomethane | 1.42 | 94 | 77281 | 19.12 ppb | 99 |
| 5) C025 Chloroethane | 1.53 | 64 | 38191 | 20.85 ppb | 98 |
| 6) D805 Dichldiflmethane | 0.90 | 85 | 13721 | 22.98 ppb | 93 |
| 7) D010 Trichlflmethane | 1.67 | 101 | 162916 | 18.47 ppb | 100 |
| 8) E123 1,1,2-Trichlorotriflu | 2.31 | 101 | 130275 | 18.98 ppb | 96 |
| 9) D015 Acrolein | 2.67 | 56 | 8085 | 37.28 ppb # | 61 |
| 10) C035 Acetone | 3.13 | 43 | 13264 | 25.36 ppb | 93 |
| 11) C045 1,1-Dichloroethene | 2.20 | 96 | 101863 | 17.51 ppb # | 48 |
| 12) XS12 Hexane | 3.34 | 57 | 107023 | 19.30 ppb | 92 |
| 13) D020 Acetonitrile | 2.82 | 41 | 131822 | 196.02 ppb | 93 |
| 14) F010 Methylacetate | 3.35 | 74 | 7535 | 19.55 ppb | 100 |
| 15) D030 Iodomethane | 2.32 | 142 | 165836 | 16.75 ppb | 81 |
| 16) D025 Allyl chloride | 2.82 | 76 | 55996 | 19.70 ppb # | 53 |
| 17) C030 Methylene chloride | 2.97 | 84 | 150439 | 15.75 ppb # | 71 |
| 18) C040 Carbon disulfide | 2.16 | 76 | 263623 | 17.17 ppb | 97 |
| 19) D810 MTBE | 3.48 | 73 | 140181 | 18.01 ppb | 100 |
| 20) C009 Acrylonitrile | 4.35 | 53 | 12806 | 18.39 ppb | 99 |
| 21) C053 t-1,2-Dichlethene | 3.19 | 96 | 127209 | 18.41 ppb # | 57 |
| 22) C050 1,1-Dichloroethane | 4.19 | 63 | 177511 | 19.32 ppb | 96 |

010075

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

Data File : C:\DATAZ\121406\1214Z07.D
Acq On : 14 Dec 2006 11:46
Sample : VSTD020
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 14 13:51 2006

Vial: 7
Operator:
Inst : Inst_Z
Multiplr: 1.00
Quant Results File: Z121406.RE

Quant Method : C:\DATAZ\Z121406.M (RTE Integrator)
Title : 8260 LIST Z
Last Update : Thu Dec 14 13:50:42 2006
Response via : Initial Calibration
DataAcq Meth : ZVOAGC2

| Compound | R.T. | QIon | Response | Conc | Unit | | Qvalue |
|---|---|---|---|---|---|---|---|
| 23) C125 Vinyl acetate | 4.78 | 43 | 75658 | 18.95 | ppb | | 84 |
| 24) D309 Chloroprene | 4.16 | 88 | 119397 | 19.23 | ppb | | 100 |
| 25) C110 2-Butanone | 5.79 | 43 | 17230 | 18.10 | ppb | | 85 |
| 26) E100 Ethyl cyanide | 6.04 | 54 | 46888 | 189.46 | ppb | | 97 |
| 27) C054 c-1,2-Dichlethene | 5.00 | 96 | 127356 | 18.46 | ppb | # | 77 |
| 28) B060 22-Dichloropropane | 5.12 | 77 | 164268 | 17.95 | ppb | | 98 |
| 29) C060 Chloroform | 5.39 | 83 | 221822 | 19.05 | ppb | | 93 |
| 30) E114 Methacrylonitrile | 6.05 | 41 | 268470 | 172.29 | ppb | | 97 |
| 31) C007 Isobutyl alcohol | 6.42 | 43 | 30214 | 344.29 | ppb | | 79 |
| 32) B070 Bromochloromethane | 5.24 | 128 | 31619 | 18.65 | ppb | | 91 |
| 33) B075 111-Trichlorethane | 5.55 | 97 | 191373 | 18.06 | ppb | | 90 |
| 34) F012 Cyclohexane | 5.17 | 84 | 200080 | 17.93 | ppb | # | 64 |
| 36) X103 Tetrahydrofuran | 5.56 | 42 | 11692 | 18.87 | ppb | | 90 |
| 38) C065 1,2-Dichloroethane | 6.16 | 62 | 74223 | 19.45 | ppb | | 96 |
| 39) C120 Carbon tetrachlori | 5.45 | 117 | 108156 | 18.11 | ppb | | 94 |
| 40) B115 11-Dichloropropene | 5.68 | 75 | 185365 | 20.76 | ppb | | 97 |
| 41) C165 Benzene | 5.94 | 78 | 493780 | 19.50 | ppb | | 100 |
| 42) C150 Trichloroethene | 6.53 | 130 | 86986 | 19.16 | ppb | # | 43 |
| 43) F013 Methylcyclohexane | 6.48 | 83 | 231436 | 18.72 | ppb | # | 80 |
| 44) C140 12-Dichloropropane | 6.98 | 63 | 89796 | 19.32 | ppb | | 93 |
| 45) E116 Methyl methacrylate | 7.27 | 41 | 78598 | 35.72 | ppb | | 90 |
| 46) C130 Bromodiclmethane | 7.07 | 83 | 153319 | 18.75 | ppb | | 99 |
| 47) D040 Dibromomethane | 6.89 | 93 | 51601 | 18.08 | ppb | | 95 |
| 48) C251 1,4-Dioxane | 7.27 | 88 | 9520 | 332.55 | ppb | | 93 |
| 49) C175 2-Chloroethvinylet | 7.60 | 63 | 65771 | 77.05 | ppb | | 94 |
| 50) C143 c-1,3-Dichlpropene | 7.60 | 75 | 146076 | 18.46 | ppb | | 97 |
| 51) C172 t-1,3-Dichlpropene | 8.12 | 75 | 112954 | 18.24 | ppb | | 100 |
| 52) E112 Ethyl methacrylate | 8.30 | 69 | 63429 | 17.95 | ppb | | 94 |
| 53) B130 Toluene | 7.77 | 91 | 543133 | 18.96 | ppb | | 98 |
| 55) C160 112-Trichlorethane | 8.24 | 97 | 66536 | 18.23 | ppb | | 86 |
| 56) B155 1,2-Dibromoethane | 8.52 | 107 | 51968 | 17.54 | ppb | | 97 |
| 58) B140 13-Dichloropropane | 8.44 | 76 | 119116 | 19.09 | ppb | | 94 |
| 59) C155 Chlorodibrmethane | 8.36 | 129 | 50360 | 18.47 | ppb | | 98 |
| 60) C180 Bromoform | 9.68 | 173 | 42958 | 18.39 | ppb | | 94 |
| 61) C205 4-Methyl2pentanone | 8.12 | 43 | 38837 | 18.11 | ppb | | 90 |
| 62) C210 2-Hexanone | 8.79 | 43 | 24873 | 17.95 | ppb | | 94 |
| 63) C220 Tetrachloroethene | 8.05 | 164 | 104721 | 19.12 | ppb | | 98 |
| 64) C235 Chlorobenzene | 8.99 | 112 | 254131 | 18.63 | ppb | | 97 |
| 65) C008 1112-Tetraclethane | 9.07 | 131 | 60324 | 18.56 | ppb | | 88 |
| 66) C240 Ethylbenzene | 9.04 | 91 | 602535 | 19.05 | ppb | | 94 |
| 67) C250 m-p-Xylene | 9.20 | 106 | 399074 | 37.56 | ppb | # | 81 |

010076

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

Data File : C:\DATAZ\121406\1214Z07.D
Acq On : 14 Dec 2006 11:46
Sample : VSTD020
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 14 13:51 2006

Vial: 7
Operator:
Inst : Inst_Z
Multiplr: 1.00
Quant Results File: Z121406.RE

Quant Method : C:\DATAZ\Z121406.M (RTE Integrator)
Title : 8260 LIST Z
Last Update : Thu Dec 14 13:50:42 2006
Response via : Initial Calibration
DataAcq Meth : ZVOAGC2

| | Compound | R.T. | QIon | Response | Conc | Unit | | Qvalue |
|---|---|---|---|---|---|---|---|---|
| 68) | C250 o-Xylene | 9.63 | 106 | 191438 | 19.34 | ppb | # | 74 |
| 69) | C245 Styrene | 9.69 | 104 | 270699 | 18.39 | ppb | | 100 |
| 71) | B195 Isopropylbenzene | 9.93 | 105 | 483168 | 20.36 | ppb | | 88 |
| 72) | C225 1122-Tetraclethane | 10.32 | 83 | 72688 | 20.19 | ppb | | 94 |
| 74) | B210 Bromobenzene | 10.20 | 156 | 89114 | 19.77 | ppb | | 95 |
| 75) | D055 1,2,3-Triclpropane | 10.40 | 110 | 17036 | 20.03 | ppb | | 94 |
| 76) | B215 n-Propylbenzene | 10.26 | 91 | 692744 | 19.87 | ppb | | 84 |
| 77) | B220 2-Chlorotoluene | 10.35 | 91 | 390013 | 20.34 | ppb | | 78 |
| 78) | B230 1,3,5-Trimebenzene | 10.41 | 105 | 370105 | 19.82 | ppb | | 86 |
| 79) | B225 4-Chlorotoluene | 10.47 | 91 | 365725 | 19.50 | ppb | | 81 |
| 80) | E118 Pentachloroethane | 10.61 | 167 | 64446 | 19.87 | ppb | # | 81 |
| 81) | B240 tert-Butylbenzene | 10.61 | 119 | 324946 | 19.96 | ppb | # | 75 |
| 82) | B235 1,2,4-Trimebenzene | 10.66 | 105 | 345813 | 19.51 | ppb | | 88 |
| 83) | B245 sec-Butylbenzene | 10.73 | 105 | 534334 | 19.32 | ppb | | 89 |
| 84) | B255 4-Isopropyltoluene | 10.82 | 119 | 300504 | 18.58 | ppb | | 96 |
| 85) | D070 t-1,4Dicl-2-butene | 10.22 | 88 | 46684 | 37.51 | ppb | | 100 |
| 86) | C252 1,3-Dichlorobenzen | 10.84 | 146 | 148132 | 18.63 | ppb | | 96 |
| 87) | C254 1,4-Dichlorobenzen | 10.90 | 146 | 139069 | 18.35 | ppb | | 97 |
| 88) | C253 1,2-Dichlorobenzen | 11.14 | 146 | 118817 | 18.53 | ppb | | 99 |
| 89) | B250 n-Butylbenzene | 11.07 | 91 | 343005 | 17.42 | ppb | | 92 |
| 90) | D060 1,2-Dibr3chlpropan | 11.58 | 75 | 6228 | 19.09 | ppb | | 92 |
| 91) | B290 1,2,4-Trichlbenzen | 11.92 | 180 | 45038 | 15.76 | ppb | | 98 |
| 92) | B280 Hexachlorobutadien | 11.92 | 225 | 21681 | 18.79 | ppb | | 100 |
| 93) | B285 Naphthalene | 12.09 | 128 | 36028 | 16.28 | ppb | | 100 |
| 94) | B295 1,2,3-Trichlbenzen | 12.18 | 180 | 33409 | 16.41 | ppb | | 97 |

010077

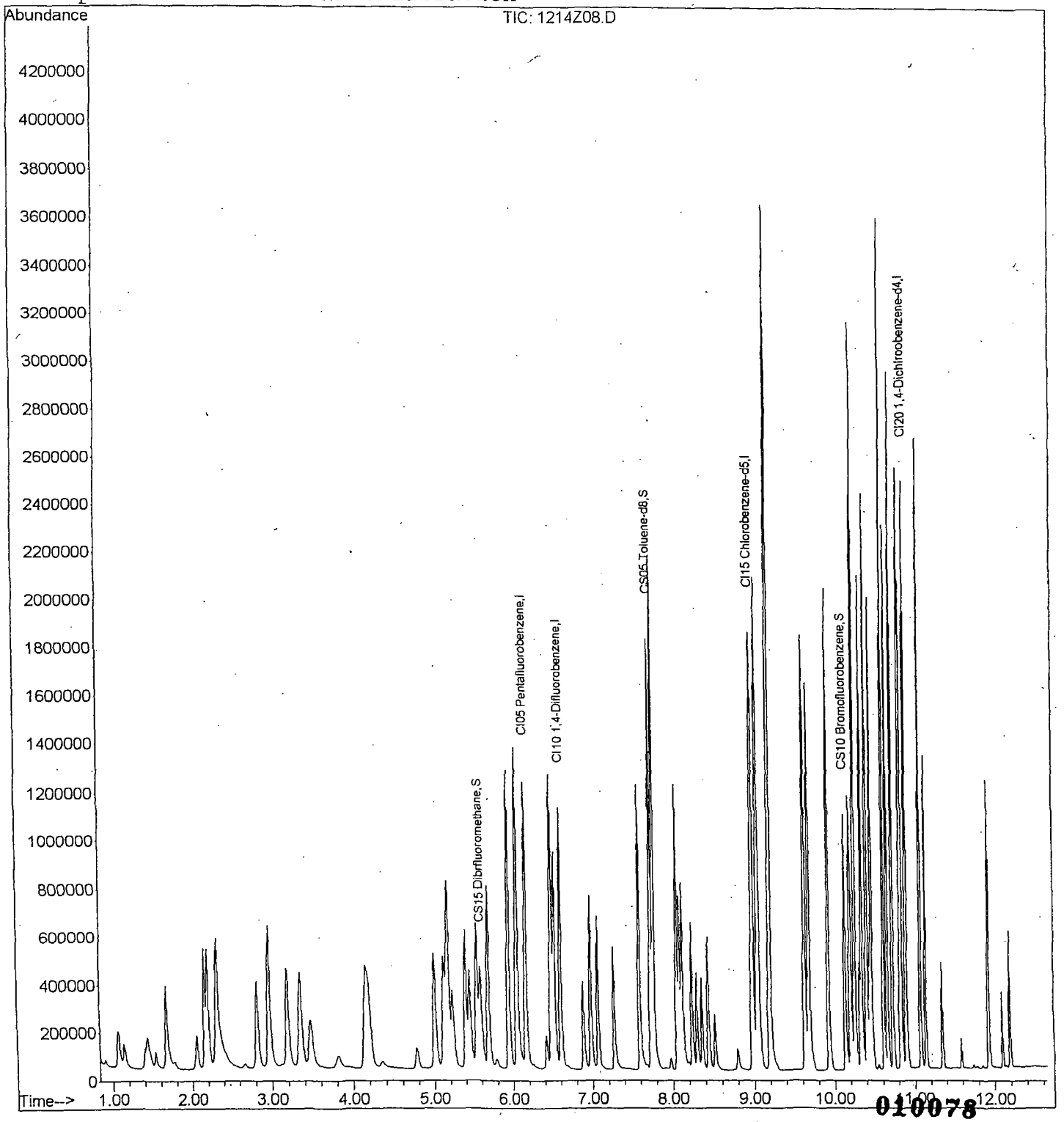
(#) = qualifier out of range (m) = manual integration

Data File : C:\DATAZ\121406\1214Z08.D
Acq On : 14 Dec 2006 12:06
Sample : VSTD050
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 14 13:49 2006

Vial: 8
Operator:
Inst : Inst_Z
Multiplr: 1.00

Quant Results File: Z121406.RE

Method : C:\DATAZ\Z121406.M (RTE Integrator)
Title : 8260 LIST Z
Last Update : Thu Dec 14 14:14:31 2006
Response via : Initial Calibration




010078

Quantitation Report (QT Reviewed)

Data File : C:\DATAZ\121406\1214Z08.D Vial: 8
Acq On : 14 Dec 2006 12:06 Operator:
Sample : VSTD050 Inst : Inst_Z
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 14 13:49 2006 Quant Results File: Z121406.RE

Quant Method : C:\DATAZ\Z121406.M (RTE Integrator)
Title : 8260 LIST Z
Last Update : Tue Dec 12 13:45:14 2006
Response via : Initial Calibration
DataAcq Meth : ZVOAGC2
IS QA File : C:\DATAZ\121206\1212Z03.D (12 Dec 2006 13:22)

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) Rcv(Ar ) |
|---|---|---|---|---|---|---|---|
| 1) CI05 Pentafluorobenzene | 6.16 | 99 | 377299 | 50.00 | ppb | | 0.00 209.55% |
| 37) CI10 1,4-Difluorobenzene | 6.61 | 114 | 836122 | 50.00 | ppb | | 0.00 201.66% |
| 57) CI15 Chlorobenzene-d5 | 8.98 | 82 | 421009 | 50.00 | ppb | | 0.00 243.73% |
| 70) CI20 1,4-Dichlroobenzene-d | 10.89 | 152 | 241307 | 50.00 | ppb | | 0.00 205.55% |
| **System Monitoring Compounds** | | | | | | | |
| 35) CS15 Dibrfluoromethane | 5.59 | 113 | 232085 | 45.56 | ppb | | 0.00 |
| Spiked Amount 50.000 | Range 68 - 124 | | Recovery = 91.12% | | | | |
| 54) CS05 Toluene-d8 | 7.73 | 98 | 1074750 | 65.48 | ppb | | 0.00 |
| Spiked Amount 50.000 | Range 74 - 122 | | Recovery = 130.96%# | | | | |
| 73) CS10 Bromofluorobenzene | 10.14 | 176 | 242383 | 59.86 | ppb | | -0.01 |
| Spiked Amount 50.000 | Range 71 - 129 | | Recovery = 119.72% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) C010 Chloromethane | 1.06 | 50 | 197645 | 27.44 | ppb | | 98 |
| 3) C020 Vinyl chloride | 1.14 | 62 | 133343 | 20.13 | ppb | | 92 |
| 4) C015 Bromomethane | 1.43 | 94 | 199662 | 45.83 | ppb | | 99 |
| 5) C025 Chloroethane | 1.53 | 64 | 90498 | 20.50 | ppb | | 99 |
| 6) D805 Dichldiflmethane | 0.91 | 85 | 29501 | 5.24 | ppb | | 96 |
| 7) D010 Trichlflmethane | 1.67 | 101 | 435852 | 58.58 | ppb | | 99 |
| 8) E123 1,1,2-Trichlorotriflu | 2.31 | 101 | 339070 | 45.92 | ppb | | 96 |
| 9) D015 Acrolein | 2.67 | 56 | 21432 | 93.43 | ppb | # | 59 |
| 10) C035 Acetone | 3.11 | 43 | 25840 | 16.39 | ppb | | 85 |
| 11) C045 1,1-Dichloroethene | 2.20 | 96 | 287447 | 53.71 | ppb | # | 47 |
| 12) XS12 Hexane | 3.34 | 57 | 274003 | 24.29 | ppb | | 92 |
| 13) D020 Acetonitrile | 2.82 | 41 | 332268 | 285.65 | ppb | | 98 |
| 14) F010 Methylacetate | 3.35 | 74 | 19047 | 44.05 | ppb | | 100 |
| 15) D030 Iodomethane | 2.32 | 142 | 489135 | 51.45 | ppb | | 82 |
| 16) D025 Allyl chloride | 2.82 | 76 | 140426 | 38.60 | ppb | # | 56 |
| 17) C030 Methylene chloride | 2.97 | 84 | 471840 | 90.96 | ppb | # | 71 |
| 18) C040 Carbon disulfide | 2.16 | 76 | 758425 | 35.33 | ppb | | 98 |
| 19) D810 MTBE | 3.47 | 73 | 384588 | 47.29 | ppb | | 100 |
| 20) C009 Acrylonitrile | 4.35 | 53 | 34414 | 38.91 | ppb | | 86 |
| 21) C053 t-1,2-Dichlethene | 3.19 | 96 | 341429 | 54.02 | ppb | # | 57 |
| 22) C050 1,1-Dichloroethane | 4.20 | 63 | 453985 | 34.42 | ppb | | 95 |

(#) = qualifier out of range (m) = manual integration **010079**

Quantitation Report (QT Reviewed)

Data File : C:\DATAZ\121406\1214Z08.D
Acq On : 14 Dec 2006 12:06
Sample : VSTD050
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 14 13:49 2006

Vial: 8
Operator:
Inst : Inst_Z
Multiplr: 1.00
Quant Results File: Z121406.RE

Quant Method : C:\DATAZ\Z121406.M (RTE Integrator)
Title : 8260 LIST Z
Last Update : Tue Dec 12 13:45:14 2006
Response via : Initial Calibration
DataAcq Meth : ZVOAGC2

| Compound | R.T. | QIon | Response | Conc | Unit | | Qvalue |
|---|---|---|---|---|---|---|---|
| 23) C125 Vinyl acetate | 4.77 | 43 | 197218 | 35.15 | ppb | | 82 |
| 24) D309 Chloroprene | 4.15 | 88 | 306850 | 47.08 | ppb | | 100 |
| 25) C110 2-Butanone | 5.78 | 43 | 47044 | 27.50 | ppb | | 95 |
| 26) E100 Ethyl cyanide | 6.04 | 54 | 122277 | 391.29 | ppb | | 97 |
| 27) C054 c-1,2-Dichlethene | 5.01 | 96 | 340960 | 50.25 | ppb | # | 76 |
| 28) B060 22-Dichloropropane | 5.12 | 77 | 452069 | 40.08 | ppb | | 98 |
| 29) C060 Chloroform | 5.40 | 83 | 575259 | 52.32 | ppb | | 92 |
| 30) E114 Methacrylonitrile | 6.05 | 41 | 769897 | 406.05 | ppb | | 96 |
| 31) C007 Isobutyl alcohol | 6.41 | 43 | 86721 | 763.06 | ppb | | 78 |
| 32) B070 Bromochloromethane | 5.24 | 128 | 83756 | 33.96 | ppb | | 96 |
| 33) B075 111-Trichlorethane | 5.54 | 97 | 523449 | 46.37 | ppb | | 90 |
| 34) F012 Cyclohexane | 5.18 | 84 | 551460 | 45.62 | ppb | # | 63 |
| 36) X103 Tetrahydrofuran | 5.55 | 42 | 30607 | 44.27 | ppb | | 93 |
| 38) C065 1,2-Dichloroethane | 6.17 | 62 | 190634 | 36.94 | ppb | | 98 |
| 39) C120 Carbon tetrachlori | 5.45 | 117 | 298323 | 35.46 | ppb | | 91 |
| 40) B115 11-Dichloropropene | 5.69 | 75 | 446027 | 46.18 | ppb | | 99 |
| 41) C165 Benzene | 5.95 | 78 | 1264597 | 54.09 | ppb | | 99 |
| 42) C150 Trichloroethene | 6.53 | 130 | 226799 | 35.82 | ppb | # | 41 |
| 43) F013 Methylcyclohexane | 6.49 | 83 | 617531 | 52.48 | ppb | # | 79 |
| 44) C140 12-Dichloropropane | 6.98 | 63 | 232157 | 42.66 | ppb | | 92 |
| 45) E116 Methyl methacrylate | 7.27 | 41 | 219776 | 91.41 | ppb | | 91 |
| 46) C130 Bromodiclmethane | 7.07 | 83 | 408309 | 66.49 | ppb | | 100 |
| 47) D040 Dibromomethane | 6.88 | 93 | 142522 | 66.17 | ppb | | 94 |
| 48) C251 1,4-Dioxane | 7.27 | 88 | 28595 | 1369.66 | ppb | # | 70 |
| 49) C175 2-Chloroethvinylet | 7.59 | 63 | 170521 | 193.81 | ppb | | 97 |
| 50) C143 c-1,3-Dichlpropene | 7.59 | 75 | 395270 | 54.04 | ppb | | 99 |
| 51) C172 t-1,3-Dichlpropene | 8.12 | 75 | 309308 | 54.47 | ppb | | 98 |
| 52) E112 Ethyl methacrylate | 8.30 | 69 | 176515 | 46.54 | ppb | | 94 |
| 53) B130 Toluene | 7.77 | 91 | 1430855 | 59.34 | ppb | | 97 |
| 55) C160 112-Trichlorethane | 8.24 | 97 | 182236 | 63.53 | ppb | | 88 |
| 56) B155 1,2-Dibromoethane | 8.52 | 107 | 147945 | 58.57 | ppb | | 96 |
| 58) B140 13-Dichloropropane | 8.44 | 76 | 318164 | 46.37 | ppb | | 96 |
| 59) C155 Chlorodibrmethane | 8.36 | 129 | 138971 | 32.01 | ppb | | 98 |
| 60) C180 Bromoform | 9.68 | 173 | 119065 | 63.07 | ppb | | 95 |
| 61) C205 4-Methyl2pentanone | 8.12 | 43 | 109321 | 35.55 | ppb | | 95 |
| 62) C210 2-Hexanone | 8.80 | 43 | 70631 | 28.86 | ppb | | 98 |
| 63) C220 Tetrachloroethene | 8.06 | 164 | 279232 | 44.07 | ppb | | 97 |
| 64) C235 Chlorobenzene | 8.99 | 112 | 695463 | 40.15 | ppb | | 99 |
| 65) C008 1112-Tetraclethane | 9.07 | 131 | 165731 | 28.17 | ppb | | 93 |
| 66) C240 Ethylbenzene | 9.05 | 91 | 1612064 | 46.97 | ppb | | 94 |
| 67) C250 m-p-Xylene | 9.20 | 106 | 1083185 | 84.37 | ppb | # | 84 |

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

**010080**

Data File : C:\DATAZ\121406\1214Z08.D
Acq On : 14 Dec 2006 12:06
Sample : VSTD050
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 14 13:49 2006

Vial: 8
Operator:
Inst : Inst_Z
Multiplr: 1.00
Quant Results File: Z121406.RES

Quant Method : C:\DATAZ\Z121406.M (RTE Integrator)
Title : 8260 LIST Z
Last Update : Tue Dec 12 13:45:14 2006
Response via : Initial Calibration
DataAcq Meth : ZVOAGC2

| | Compound | R.T. | QIon | Response | Conc | Unit | | Qvalue |
|---|---|---|---|---|---|---|---|---|
| 68) | C250 o-Xylene | 9.63 | 106 | 504570 | 42.42 | ppb | # | 75 |
| 69) | C245 Styrene | 9.69 | 104 | 750222 | 44.86 | ppb | | 98 |
| 71) | B195 Isopropylbenzene | 9.93 | 105 | 1280383 | 43.73 | ppb | | 89 |
| 72) | C225 1122-Tetraclethane | 10.32 | 83 | 194220 | 56.61 | ppb | | 95 |
| 74) | B210 Bromobenzene | 10.20 | 156 | 243172 | 51.44 | ppb | | 96 |
| 75) | D055 1,2,3-Triclpropane | 10.40 | 110 | 45894 | 50.43 | ppb | | 98 |
| 76) | B215 n-Propylbenzene | 10.26 | 91 | 1880964 | 51.85 | ppb | | 85 |
| 77) | B220 2-Chlorotoluene | 10.35 | 91 | 1034741 | 52.81 | ppb | | 78 |
| 78) | B230 1,3,5-Trimebenzene | 10.41 | 105 | 1007578 | 45.35 | ppb | | 87 |
| 79) | B225 4-Chlorotoluene | 10.47 | 91 | 1011988 | 54.19 | ppb | | 80 |
| 80) | E118 Pentachloroethane | 10.61 | 167 | 175027 | 62.64 | ppb | # | 79 |
| 81) | B240 tert-Butylbenzene | 10.61 | 119 | 878402 | 39.88 | ppb | # | 76 |
| 82) | B235 1,2,4-Trimebenzene | 10.66 | 105 | 956354 | 46.50 | ppb | | 88 |
| 83) | B245 sec-Butylbenzene | 10.73 | 105 | 1492381 | 45.84 | ppb | | 89 |
| 84) | B255 4-Isopropyltoluene | 10.83 | 119 | 872771 | 37.34 | ppb | | 96 |
| 85) | D070 t-1,4Dicl-2-butene | 10.22 | 88 | 134311 | 133.39 | ppb | | 100 |
| 86) | C252 1,3-Dichlorobenzen | 10.84 | 146 | 428959 | 44.38 | ppb | | 96 |
| 87) | C254 1,4-Dichlorobenzen | 10.90 | 146 | 408866 | 46.07 | ppb | | 100 |
| 88) | C253 1,2-Dichlorobenzen | 11.14 | 146 | 346028 | 44.59 | ppb | | 98 |
| 89) | B250 n-Butylbenzene | 11.07 | 91 | 1062285 | 54.38 | ppb | | 94 |
| 90) | D060 1,2-Dibr3chlpropan | 11.58 | 75 | 17601 | 53.96 | ppb | | 90 |
| 91) | B290 1,2,4-Trichlbenzen | 11.93 | 180 | 154215 | 55.68 | ppb | | 99 |
| 92) | B280 Hexachlorobutadien | 11.92 | 225 | 62256 | 30.45 | ppb | | 100 |
| 93) | B285 Naphthalene | 12.09 | 128 | 119402 | 36.24 | ppb | | 100 |
| 94) | B295 1,2,3-Trichlbenzen | 12.18 | 180 | 109887 | 53.96 | ppb | | 97 |

010081

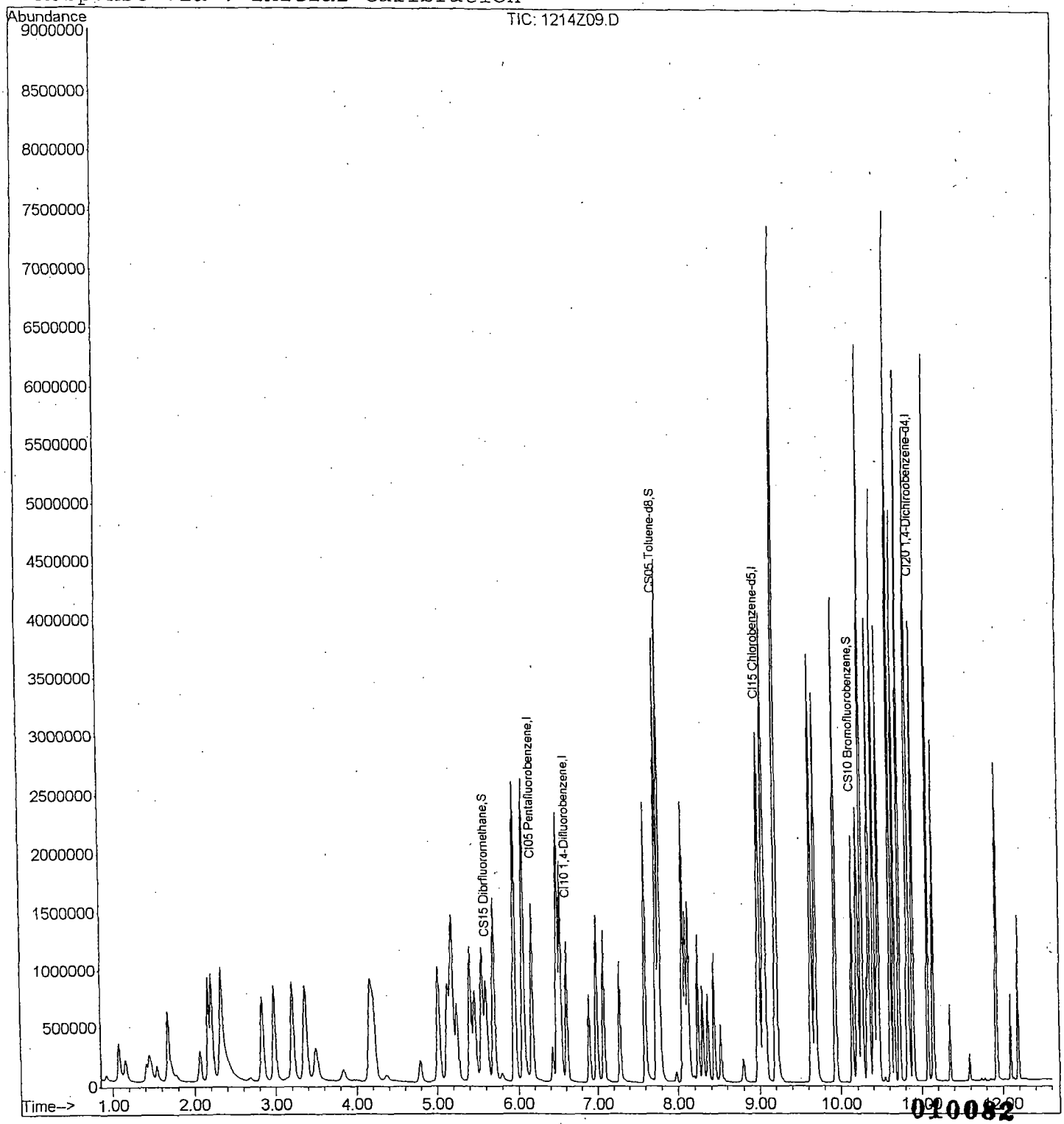
(#) = qualifier out of range (m) = manual integration

Data File : C:\DATAZ\121406\1214Z09.D
Acq On : 14 Dec 2006 12:27
Sample : VSTD100
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 14 13:58 2006

Vial: 9
Operator:
Inst : Inst_Z
Multiplr: 1.00

Quant Results File: Z121406.RES

Method : C:\DATAZ\Z121406.M (RTE Integrator)
Title : 8260 LIST Z
Last Update : Thu Dec 14 13:50:42 2006
Response via : Initial Calibration




010082

Data File : C:\DATAZ\121406\1214Z09.D  Vial: 9
Acq On : 14 Dec 2006 12:27  Operator:
Sample : VSTD100  Inst : Inst_Z
Misc :  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 14 13:58 2006  Quant Results File: Z121406.RES

Quant Method : C:\DATAZ\Z121406.M (RTE Integrator)
Title : 8260 LIST Z
Last Update : Thu Dec 14 13:50:42 2006
Response via : Initial Calibration
DataAcq Meth : ZVOAGC2
IS QA File : CC level for IS QA unknown. No recoveries calculated.

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) Rcv(Ar ) |
|---|---|---|---|---|---|---|
| 1) CI05 Pentafluorobenzene | 6.17 | 99 | 404896 | 50.00 | ppb | 0.00 NA% |
| 37) CI10 1,4-Difluorobenzene | 6.61 | 114 | 877417 | 50.00 | ppb | 0.00 NA% |
| 57) CI15 Chlorobenzene-d5 | 8.98 | 82 | 430734 | 50.00 | ppb | 0.00 NA% |
| 70) CI20 1,4-Dichlroobenzene-d | 10.89 | 152 | 246377 | 50.00 | ppb | 0.00 NA% |
| **System Monitoring Compounds** | | | | | | |
| 35) CS15 Dibrfluoromethane | 5.60 | 113 | 477912 | 95.94 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 68 - 124 | | Recovery = 191.88%# | | | |
| 54) CS05 Toluene-d8 | 7.74 | 98 | 2242617 | 99.42 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 74 - 122 | | Recovery = 198.84%# | | | |
| 73) CS10 Bromofluorobenzene | 10.14 | 176 | 494630 | 99.93 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 71 - 129 | | Recovery = 199.86%# | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) C010 Chloromethane | 1.07 | 50 | 385616 | 90.90 | ppb | 98 |
| 3) C020 Vinyl chloride | 1.15 | 62 | 275228 | 96.17 | ppb | 89 |
| 4) C015 Bromomethane | 1.45 | 94 | 398766m | 93.05 | ppb # | 99 |
| 5) C025 Chloroethane | 1.54 | 64 | 167785 | 86.38 | ppb | 99 |
| 6) D805 Dichldiflmethane | 0.91 | 85 | 71553 | 113.01 | ppb | 96 |
| 7) D010 Trichlflmethane | 1.68 | 101 | 846314 | 90.47 | ppb | 98 |
| 8) E123 1,1,2-Trichlorotriflu | 2.32 | 101 | 659157 | 90.58 | ppb | 96 |
| 9) D015 Acrolein | 2.68 | 56 | 40886 | 177.77 | ppb # | 58 |
| 10) C035 Acetone | 3.13 | 43 | 44315 | 79.90 | ppb | 89 |
| 11) C045 1,1-Dichloroethene | 2.21 | 96 | 565468 | 91.66 | ppb # | 44 |
| 12) XS12 Hexane | 3.37 | 57 | 546696 | 92.96 | ppb | 91 |
| 13) D020 Acetonitrile | 2.84 | 41 | 689323 | 966.60 | ppb | 96 |
| 14) F010 Methylacetate | 3.37 | 74 | 36848 | 90.14 | ppb | 100 |
| 15) D030 Iodomethane | 2.33 | 142 | 940045 | 89.54 | ppb | 81 |
| 16) D025 Allyl chloride | 2.84 | 76 | 285324 | 94.67 | ppb # | 57 |
| 17) C030 Methylene chloride | 2.98 | 84 | 658837 | 65.06 | ppb # | 72 |
| 18) C040 Carbon disulfide | 2.17 | 76 | 1372323 | 84.31 | ppb | 98 |
| 19) D810 MTBE | 3.49 | 73 | 559290 | 67.76 | ppb | 100 |
| 20) C009 Acrylonitrile | 4.37 | 53 | 75840 | 102.68 | ppb | 89 |
| 21) C053 t-1,2-Dichlethene | 3.20 | 96 | 694100 | 94.72 | ppb # | 56 |
| 22) C050 1,1-Dichloroethane | 4.21 | 63 | 917489 | 94.16 | ppb | 95 |

010083

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

Data File : C:\DATAZ\121406\1214Z09.D  Vial: 9
Acq On : 14 Dec 2006 12:27  Operator:
Sample : VSTD100  Inst : Inst_Z
Misc :  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 14 13:58 2006  Quant Results File: Z121406.RES

Quant Method : C:\DATAZ\Z121406.M (RTE Integrator)
Title : 8260 LIST Z
Last Update : Thu Dec 14 13:50:42 2006
Response via : Initial Calibration
DataAcq Meth : ZVOAGC2

| | Compound | R.T. | QIon | Response | Conc | Unit | | Qvalue |
|---|---|---|---|---|---|---|---|---|
| 23) | C125 Vinyl acetate | 4.79 | 43 | 396740 | 93.73 | ppb | | 83 |
| 24) | D309 Chloroprene | 4.17 | 88 | 636663 | 96.67 | ppb | | 100 |
| 25) | C110 2-Butanone | 5.79 | 43 | 91510 | 90.63 | ppb | | 91 |
| 26) | E100 Ethyl cyanide | 6.05 | 54 | 241934 | 921.86 | ppb | | 96 |
| 27) | C054 c-1,2-Dichlethene | 5.02 | 96 | 689301 | 94.19 | ppb | # | 76 |
| 28) | B060 22-Dichloropropane | 5.13 | 77 | 828571 | 85.40 | ppb | | 98 |
| 29) | C060 Chloroform | 5.41 | 83 | 1158148 | 93.80 | ppb | | 93 |
| 30) | E114 Methacrylonitrile | 6.07 | 41 | 1430701 | 865.82 | ppb | | 97 |
| 31) | C007 Isobutyl alcohol | 6.43 | 43 | 170015 | 1826.86 | ppb | | 78 |
| 32) | B070 Bromochloromethane | 5.25 | 128 | 169862 | 94.49 | ppb | | 94 |
| 33) | B075 111-Trichlorethane | 5.55 | 97 | 1004350 | 89.40 | ppb | | 90 |
| 34) | F012 Cyclohexane | 5.19 | 84 | 1040262 | 87.89 | ppb | # | 63 |
| 36) | X103 Tetrahydrofuran | 5.56 | 42 | 57300 | 87.23 | ppb | | 96 |
| 38) | C065 1,2-Dichloroethane | 6.17 | 62 | 375974 | 93.97 | ppb | | 99 |
| 39) | C120 Carbon tetrachlori | 5.46 | 117 | 583878 | 93.25 | ppb | | 92 |
| 40) | B115 11-Dichloropropene | 5.70 | 75 | 900421 | 96.19 | ppb | | 98 |
| 41) | C165 Benzene | 5.95 | 78 | 2583517 | 97.34 | ppb | | 98 |
| 42) | C150 Trichloroethene | 6.53 | 130 | 476991 | 100.21 | ppb | # | 46 |
| 43) | F013 Methylcyclohexane | 6.49 | 83 | 1170934 | 90.35 | ppb | # | 77 |
| 44) | C140 12-Dichloropropane | 6.99 | 63 | 457355 | 93.87 | ppb | | 93 |
| 45) | E116 Methyl methacrylate | 7.27 | 41 | 431724 | 187.19 | ppb | | 93 |
| 46) | C130 Bromodiclmethane | 7.08 | 83 | 810332 | 94.56 | ppb | | 99 |
| 47) | D040 Dibromomethane | 6.90 | 93 | 277722 | 92.85 | ppb | | 97 |
| 48) | C251 1,4-Dioxane | 7.27 | 88 | 55769 | 1858.52 | ppb | # | 72 |
| 49) | C175 2-Chloroethvinylet | 7.60 | 63 | 327932 | 366.52 | ppb | | 94 |
| 50) | C143 c-1,3-Dichlpropene | 7.60 | 75 | 778775 | 93.88 | ppb | | 96 |
| 51) | C172 t-1,3-Dichlpropene | 8.13 | 75 | 600992 | 92.58 | ppb | | 95 |
| 52) | E112 Ethyl methacrylate | 8.30 | 69 | 346276 | 93.47 | ppb | | 95 |
| 53) | B130 Toluene | 7.77 | 91 | 2916601 | 97.12 | ppb | | 96 |
| 55) | C160 112-Trichlorethane | 8.24 | 97 | 354470 | 92.68 | ppb | | 88 |
| 56) | B155 1,2-Dibromoethane | 8.52 | 107 | 289000 | 93.07 | ppb | | 95 |
| 58) | B140 13-Dichloropropane | 8.44 | 76 | 617503 | 94.85 | ppb | | 96 |
| 59) | C155 Chlorodibrmethane | 8.36 | 129 | 274582 | 96.56 | ppb | | 97 |
| 60) | C180 Bromoform | 9.69 | 173 | 231880 | 95.18 | ppb | | 95 |
| 61) | C205 4-Methyl2pentanone | 8.12 | 43 | 204821 | 91.56 | ppb | | 93 |
| 62) | C210 2-Hexanone | 8.80 | 43 | 129752 | 89.78 | ppb | | 96 |
| 63) | C220 Tetrachloroethene | 8.06 | 164 | 563403 | 98.61 | ppb | | 98 |
| 64) | C235 Chlorobenzene | 8.99 | 112 | 1383668 | 97.23 | ppb | | 99 |
| 65) | C008 1112-Tetraclethane | 9.07 | 131 | 320424 | 94.49 | ppb | | 92 |
| 66) | C240 Ethylbenzene | 9.05 | 91 | 3226078 | 97.80 | ppb | | 94 |
| 67) | C250 m-p-Xylene | 9.20 | 106 | 2205820 | 199.04 | ppb | # | 86 |

010084

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

Data File : C:\DATAZ\121406\1214Z09.D Vial: 9
Acq On : 14 Dec 2006 12:27 Operator:
Sample : VSTD100 Inst : Inst_Z
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 14 13:58 2006 Quant Results File: Z121406.RES

Quant Method : C:\DATAZ\Z121406.M (RTE Integrator)
Title : 8260 LIST Z
Last Update : Thu Dec 14 13:50:42 2006
Response via : Initial Calibration
DataAcq Meth : ZVOAGC2

| | Compound | R.T. | QIon | Response | Conc | Unit | | Qvalue |
|---|---|---|---|---|---|---|---|---|
| 68) | C250 o-Xylene | 9.64 | 106 | 999857 | 96.84 | ppb | # | 76 |
| 69) | C245 Styrene | 9.69 | 104 | 1505376 | 98.06 | ppb | | 97 |
| 71) | B195 Isopropylbenzene | 9.93 | 105 | 2591471 | 99.12 | ppb | | 89 |
| 72) | C225 1122-Tetraclethane | 10.32 | 83 | 375099 | 94.58 | ppb | | 95 |
| 74) | B210 Bromobenzene | 10.20 | 156 | 493955 | 99.47 | ppb | | 97 |
| 75) | D055 1,2,3-Triclpropane | 10.40 | 110 | 90067 | 96.11 | ppb | | 98 |
| 76) | B215 n-Propylbenzene | 10.26 | 91 | 3860065 | 100.50 | ppb | | 86 |
| 77) | B220 2-Chlorotoluene | 10.35 | 91 | 2084513 | 98.65 | ppb | | 79 |
| 78) | B230 1,3,5-Trimebenzene | 10.41 | 105 | 2106498 | 102.38 | ppb | | 87 |
| 79) | B225 4-Chlorotoluene | 10.47 | 91 | 2070664 | 100.20 | ppb | | 81 |
| 80) | E118 Pentachloroethane | 10.62 | 167 | 359232 | 100.51 | ppb | # | 81 |
| 81) | B240 tert-Butylbenzene | 10.62 | 119 | 1911287 | 106.55 | ppb | | 82 |
| 82) | B235 1,2,4-Trimebenzene | 10.67 | 105 | 2027653 | 103.83 | ppb | | 88 |
| 83) | B245 sec-Butylbenzene | 10.73 | 105 | 3188819 | 104.64 | ppb | | 88 |
| 84) | B255 4-Isopropyltoluene | 10.83 | 119 | 1924119 | 107.96 | ppb | | 96 |
| 85) | D070 t-1,4Dicl-2-butene | 10.21 | 88 | 262578 | 191.48 | ppb | | 100 |
| 86) | C252 1,3-Dichlorobenzen | 10.84 | 146 | 909459 | 103.83 | ppb | | 97 |
| 87) | C254 1,4-Dichlorobenzen | 10.90 | 146 | 862492 | 103.30 | ppb | | 100 |
| 88) | C253 1,2-Dichlorobenzen | 11.14 | 146 | 719196 | 101.78 | ppb | | 98 |
| 89) | B250 n-Butylbenzene | 11.07 | 91 | 2346948 | 108.19 | ppb | | 93 |
| 90) | D060 1,2-Dibr3chlpropan | 11.58 | 75 | 36336 | 101.10 | ppb | | 91 |
| 91) | B290 1,2,4-Trichlbenzen | 11.93 | 180 | 386140 | 122.62 | ppb | | 100 |
| 92) | B280 Hexachlorobutadien | 11.92 | 225 | 145614 | 114.54 | ppb | | 100 |
| 93) | B285 Naphthalene | 12.10 | 128 | 303106 | 124.31 | ppb | | 100 |
| 94) | B295 1,2,3-Trichlbenzen | 12.19 | 180 | 278676 | 124.19 | ppb | | 99 |

010085

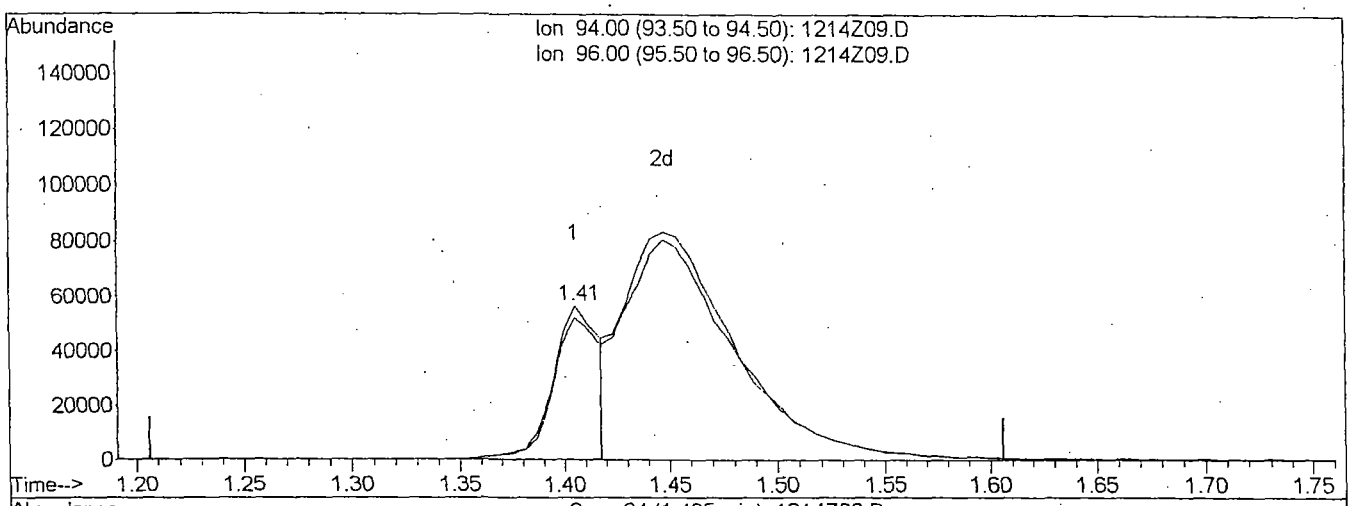
(#) = qualifier out of range (m) = manual integration

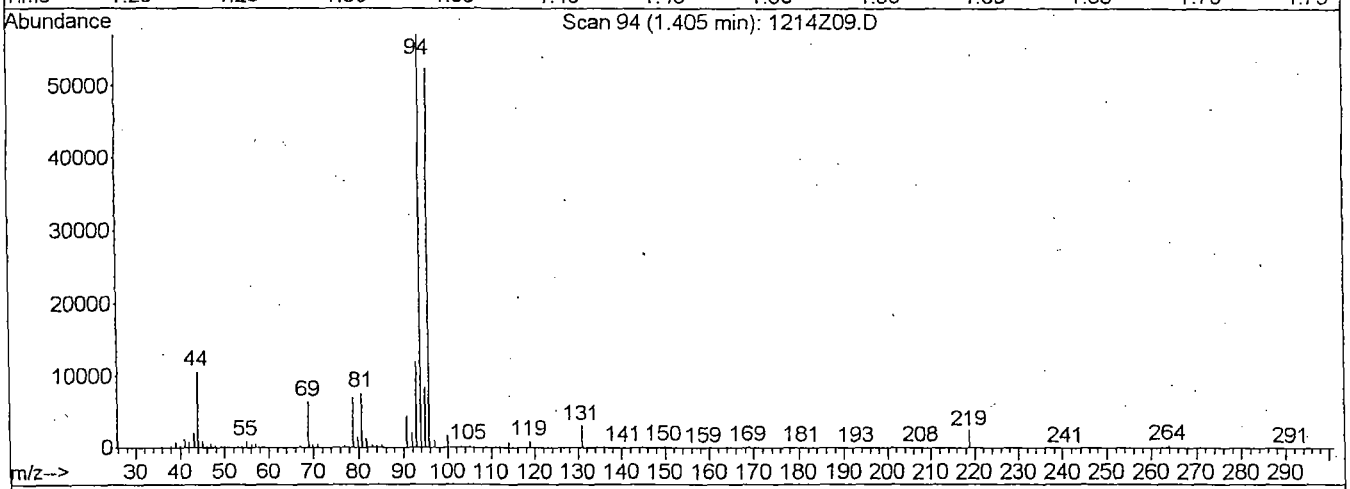
Data File : C:\DATAZ\121406\1214Z09.D
Acq On : 14 Dec 2006 12:27
Sample : VSTD100
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 14 13:51 2006

Vial: 9
Operator:
Inst : Inst_Z
Multiplr: 1.00

Quant Results File: temp.res

Method : C:\DATAZ\Z121406.M (RTE Integrator)
Title : 8260 LIST Z
Last Update : Thu Dec 14 13:50:42 2006
Response via : Single Level Calibration




TIC: 1214Z09.D

(4) C015 Bromomethane (TM)

1.41min 20.27ppb

response 86880

| Ion | Exp% | Act% |
|---|---|---|
| 94.00 | 100 | 100 |
| 96.00 | 94.50 | 93.45 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

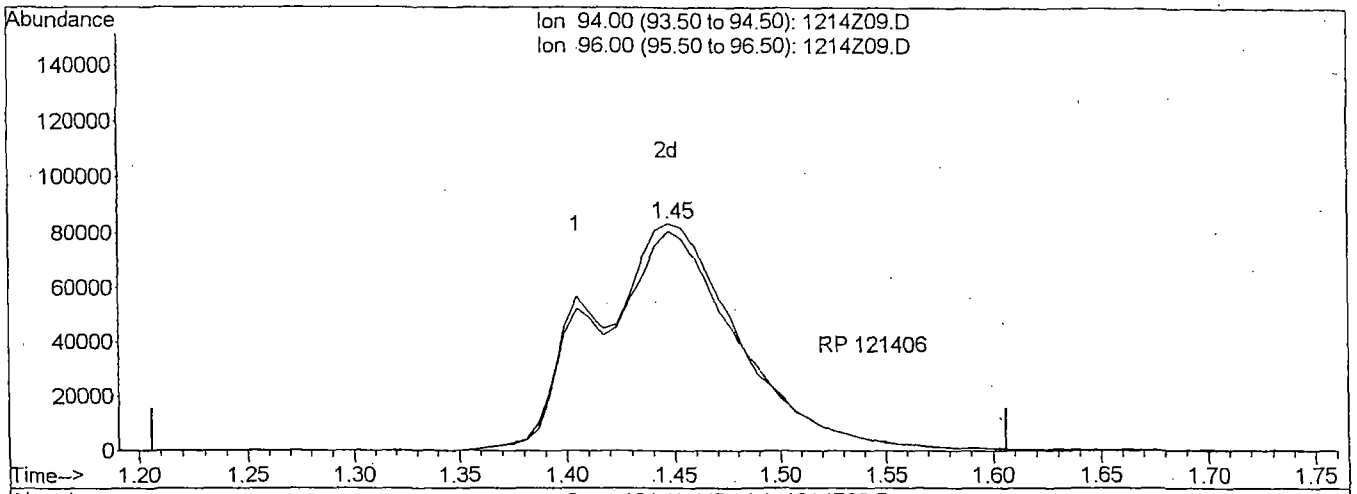
010086

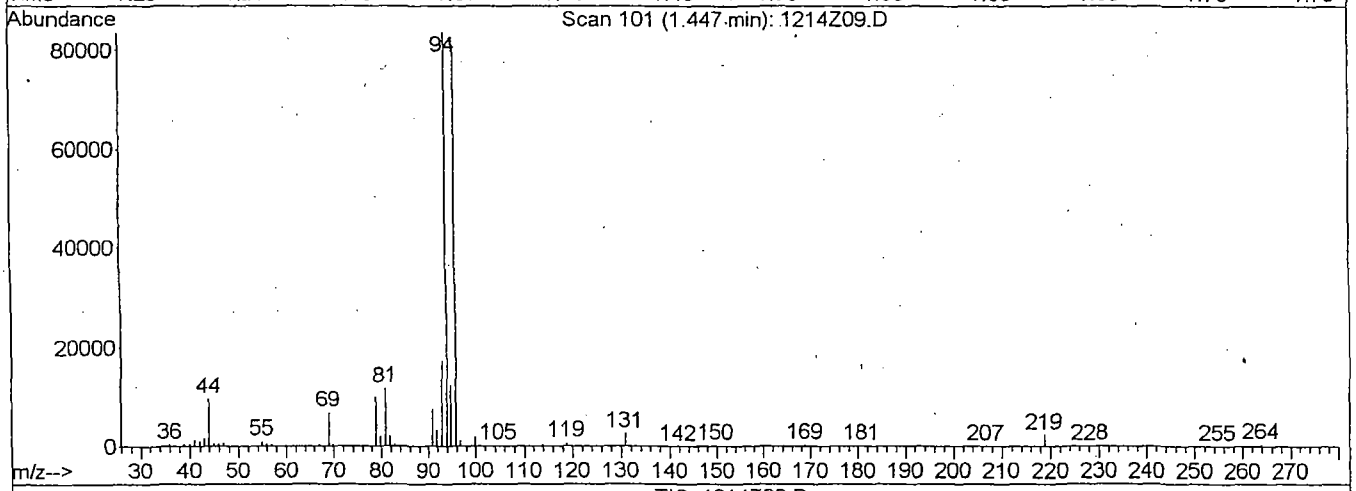
Data File : C:\DATAZ\121406\1214Z09.D
Acq On : 14 Dec 2006 12:27
Sample : VSTD100
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 14 13:58 2006

Vial: 9
Operator:
Inst : Inst_Z
Multiplr: 1.00

Quant Results File: temp.res

Method : C:\DATAZ\Z121406.M (RTE Integrator)
Title : 8260 LIST Z
Last Update : Thu Dec 14 13:50:42 2006
Response via : Single Level Calibration




TIC: 1214Z09.D

(4) C015 Bromomethane (TM)

1.45min 93.05ppb m

response 398766

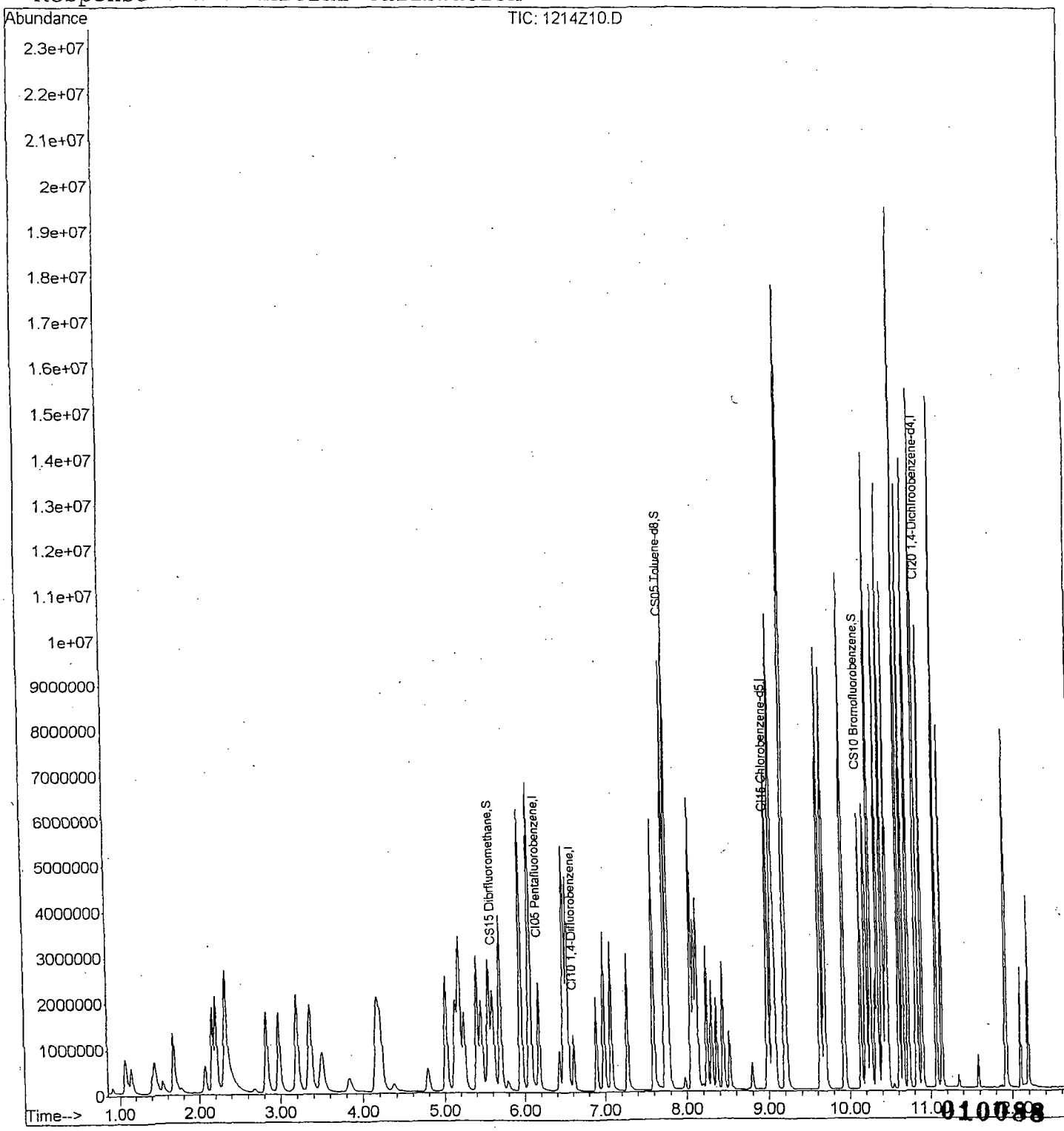
| Ion | Exp% | Act% |
|---|---|---|
| 94.00 | 100 | 100 |
| 96.00 | 94.50 | 20.36# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

010087

Quantitation Report

Data File : C:\DATAZ\121406\1214Z10.D  Vial: 10
Acq On : 14 Dec 2006 12:46  Operator:
Sample : VSTD250  Inst : Inst_Z
Misc :  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 14 13:51 2006  Quant Results File: Z121406.RES

Method : C:\DATAZ\Z121406.M (RTE Integrator)
Title : 8260 LIST Z
Last Update : Thu Dec 14 13:50:42 2006
Response via : Initial Calibration




010088

Data File : C:\DATAZ\121406\1214Z10.D Vial: 10
Acq On : 14 Dec 2006 12:46 Operator:
Sample : VSTD250 Inst : Inst_Z
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 14 13:51 2006 Quant Results File: Z121406.RES

Quant Method : C:\DATAZ\Z121406.M (RTE Integrator)
Title : 8260 LIST Z
Last Update : Thu Dec 14 13:50:42 2006
Response via : Initial Calibration
DataAcq Meth : ZVOAGC2
IS QA File : CC level for IS QA unknown. No recoveries calculated.

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) Rcv(Ar ) |
|---|---|---|---|---|---|---|---|
| 1) CI05 Pentafluorobenzene | 6.17 | 99 | 386139 | 50.00 | ppb | | 0.00 NA% |
| 37) CI10 1,4-Difluorobenzene | 6.61 | 114 | 854363 | 50.00 | ppb | | 0.00 NA% |
| 57) CI15 Chlorobenzene-d5 | 8.98 | 82 | 438023 | 50.00 | ppb | | 0.00 NA% |
| 70) CI20 1,4-Dichlroobenzene-d | 10.89 | 152 | 234046 | 50.00 | ppb | | 0.00 NA% |
| **System Monitoring Compounds** | | | | | | | |
| 35) CS15 Dibrfluoromethane | 5.60 | 113 | 1231880 | 259.32 | ppb | | 0.00 |
| Spiked Amount 50.000 | Range 68 - 124 | | Recovery = 518.64%# | | | | |
| 54) CS05 Toluene-d8 | 7.74 | 98 | 5764798 | 262.47 | ppb | | 0.00 |
| Spiked Amount 50.000 | Range 74 - 122 | | Recovery = 524.94%# | | | | |
| 73) CS10 Bromofluorobenzene | 10.14 | 176 | 1369308 | 291.23 | ppb | | 0.00 |
| Spiked Amount 50.000 | Range 71 - 129 | | Recovery = 582.46%# | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) C010 Chloromethane | 1.07 | 50 | 978341 | 241.83 | ppb | | 99 |
| 3) C020 Vinyl chloride | 1.14 | 62 | 732495 | 268.38 | ppb | | 89 |
| 4) C015 Bromomethane | 1.44 | 94 | 983954 | 240.76 | ppb | | 99 |
| 5) C025 Chloroethane | 1.54 | 64 | 338019 | 182.48 | ppb | | 99 |
| 6) D805 Dichldiflmethane | 0.91 | 85 | 140211 | 232.20 | ppb | | 98 |
| 7) D010 Trichlflmethane | 1.67 | 101 | 1699444 | 190.49 | ppb | | 100 |
| 8) E123 1,1,2-Trichlorotriflu | 2.32 | 101 | 1671394 | 240.82 | ppb | | 93 |
| 9) D015 Acrolein | 2.68 | 56 | 108677 | 495.47 | ppb | # | 68 |
| 10) C035 Acetone | 3.14 | 43 | 113981 | 215.50 | ppb | | 89 |
| 11) C045 1,1-Dichloroethene | 2.21 | 96 | 1345693 | 228.72 | ppb | # | 37 |
| 12) XS12 Hexane | 3.36 | 57 | 1295431 | 230.98 | ppb | | 90 |
| 13) D020 Acetonitrile | 2.83 | 41 | 1642805 | 2415.51 | ppb | | 96 |
| 14) F010 Methylacetate | 3.38 | 74 | 98292 | 252.12 | ppb | | 100 |
| 15) D030 Iodomethane | 2.33 | 142 | 2381213 | 237.84 | ppb | | 80 |
| 16) D025 Allyl chloride | 2.83 | 76 | 670941 | 233.43 | ppb | # | 58 |
| 17) C030 Methylene chloride | 2.98 | 84 | 1376034 | 142.48 | ppb | # | 71 |
| 18) C040 Carbon disulfide | 2.17 | 76 | 2966434 | 191.09 | ppb | | 98 |
| 19) D810 MTBE | 3.50 | 73 | 1710346 | 217.27 | ppb | | 100 |
| 20) C009 Acrylonitrile | 4.36 | 53 | 213084 | 302.50 | ppb | | 87 |
| 21) C053 t-1,2-Dichlethene | 3.20 | 96 | 1724514 | 246.76 | ppb | # | 55 |
| 22) C050 1,1-Dichloroethane | 4.21 | 63 | 2168568 | 233.37 | ppb | | 96 |

010089

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

Data File : C:\DATAZ\121406\1214Z10.D
Acq On : 14 Dec 2006 12:46
Sample : VSTD250
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 14 13:51 2006

Vial: 10
Operator:
Inst : Inst_Z
Multiplr: 1.00

Quant Results File: Z121406.RES

Quant Method : C:\DATAZ\Z121406.M (RTE Integrator)
Title : 8260 LIST Z
Last Update : Thu Dec 14 13:50:42 2006
Response via : Initial Calibration
DataAcq Meth : ZVOAGC2

| | Compound | R.T. | QIon | Response | Conc | Unit | | Qvalue |
|---|---|---|---|---|---|---|---|---|
| 23) | C125 Vinyl acetate | 4.79 | 43 | 1042939 | 258.36 | ppb | | 83 |
| 24) | D309 Chloroprene | 4.17 | 88 | 1526355 | 243.02 | ppb | | 100 |
| 25) | C110 2-Butanone | 5.79 | 43 | 252213 | 261.92 | ppb | | 89 |
| 26) | E100 Ethyl cyanide | 6.06 | 54 | 631748 | 2524.13 | ppb | | 95 |
| 27) | C054 c-1,2-Dichlethene | 5.02 | 96 | 1740120 | 249.34 | ppb | # | 75 |
| 28) | B060 22-Dichloropropane | 5.13 | 77 | 1951584 | 210.91 | ppb | | 98 |
| 29) | C060 Chloroform | 5.41 | 83 | 2863964 | 243.23 | ppb | | 93 |
| 30) | E114 Methacrylonitrile | 6.07 | 41 | 3759054 | 2385.38 | ppb | | 94 |
| 31) | C007 Isobutyl alcohol | 6.43 | 43 | 501006 | 5644.96 | ppb | | 82 |
| 32) | B070 Bromochloromethane | 5.25 | 128 | 443031 | 258.42 | ppb | | 93 |
| 33) | B075 111-Trichlorethane | 5.55 | 97 | 2465858 | 230.15 | ppb | | 89 |
| 34) | F012 Cyclohexane | 5.19 | 84 | 2468027 | 218.65 | ppb | # | 64 |
| 36) | X103 Tetrahydrofuran | 5.56 | 42 | 150081 | 239.56 | ppb | | 94 |
| 38) | C065 1,2-Dichloroethane | 6.17 | 62 | 962124 | 246.96 | ppb | | 96 |
| 39) | C120 Carbon tetrachlori | 5.46 | 117 | 1447671 | 237.45 | ppb | | 92 |
| 40) | B115 11-Dichloropropene | 5.70 | 75 | 2127300 | 233.38 | ppb | | 95 |
| 41) | C165 Benzene | 5.95 | 78 | 6426379 | 248.66 | ppb | | 97 |
| 42) | C150 Trichloroethene | 6.54 | 130 | 1227462 | 264.83 | ppb | # | 51 |
| 43) | F013 Methylcyclohexane | 6.50 | 83 | 2773885 | 219.80 | ppb | # | 76 |
| 44) | C140 12-Dichloropropane | 6.99 | 63 | 1093275 | 230.43 | ppb | | 92 |
| 45) | E116 Methyl methacrylate | 7.28 | 41 | 1148423 | 511.39 | ppb | | 92 |
| 46) | C130 Bromodiclmethane | 7.07 | 83 | 2061903 | 247.10 | ppb | | 100 |
| 47) | D040 Dibromomethane | 6.89 | 93 | 722393 | 248.02 | ppb | | 96 |
| 48) | C251 1,4-Dioxane | 7.27 | 88 | 146922 | 5028.33 | ppb | # | 72 |
| 49) | C175 2-Chloroethvinylet | 7.60 | 63 | 820656 | 941.98 | ppb | | 96 |
| 50) | C143 c-1,3-Dichlpropene | 7.60 | 75 | 1891189 | 234.12 | ppb | | 92 |
| 51) | C172 t-1,3-Dichlpropene | 8.13 | 75 | 1566815 | 247.87 | ppb | | 94 |
| 52) | E112 Ethyl methacrylate | 8.30 | 69 | 903368 | 250.43 | ppb | | 91 |
| 53) | B130 Toluene | 7.78 | 91 | 7340369 | 251.03 | ppb | | 96 |
| 55) | C160 112-Trichlorethane | 8.25 | 97 | 932624 | 250.42 | ppb | | 89 |
| 56) | B155 1,2-Dibromoethane | 8.52 | 107 | 778093 | 257.35 | ppb | | 95 |
| 58) | B140 13-Dichloropropane | 8.44 | 76 | 1590486 | 240.24 | ppb | | 96 |
| 59) | C155 Chlorodibrmethane | 8.36 | 129 | 732316 | 253.24 | ppb | | 97 |
| 60) | C180 Bromoform | 9.69 | 173 | 664673 | 268.28 | ppb | | 96 |
| 61) | C205 4-Methyl2pentanone | 8.12 | 43 | 546038 | 240.04 | ppb | | 93 |
| 62) | C210 2-Hexanone | 8.79 | 43 | 377491 | 256.85 | ppb | | 97 |
| 63) | C220 Tetrachloroethene | 8.06 | 164 | 1446261 | 248.91 | ppb | | 98 |
| 64) | C235 Chlorobenzene | 9.00 | 112 | 3811751 | 263.40 | ppb | | 93 |
| 65) | C008 1112-Tetraclethane | 9.08 | 131 | 877106 | 254.34 | ppb | | 92 |
| 66) | C240 Ethylbenzene | 9.05 | 91 | 8417334 | 250.93 | ppb | | 95 |
| 67) | C250 m-p-Xylene | 9.21 | 106 | 6284965 | 557.69 | ppb | | 94 |

010090

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

Data File : C:\DATAZ\121406\1214Z10.D
Acq On : 14 Dec 2006 12:46
Sample : VSTD250
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 14 13:51 2006

Vial: 10
Operator:
Inst : Inst_Z
Multiplr: 1.00
Quant Results File: Z121406.RES

Quant Method : C:\DATAZ\Z121406.M (RTE Integrator)
Title : 8260 LIST Z
Last Update : Thu Dec 14 13:50:42 2006
Response via : Initial Calibration
DataAcq Meth : ZVOAGC2

| | Compound | R.T. | QIon | Response | Conc | Unit | | Qvalue |
|---|---|---|---|---|---|---|---|---|
| 68) | C250 o-Xylene | 9.64 | 106 | 2723401 | 259.39 | ppb | # | 79 |
| 69) | C245 Styrene | 9.69 | 104 | 4260783 | 272.94 | ppb | | 93 |
| 71) | B195 Isopropylbenzene | 9.94 | 105 | 7225024 | 290.90 | ppb | | 89 |
| 72) | C225 1122-Tetraclethane | 10.33 | 83 | 1024778 | 272.00 | ppb | | 95 |
| 74) | B210 Bromobenzene | 10.20 | 156 | 1427453 | 302.61 | ppb | | 99 |
| 75) | D055 1,2,3-Triclpropane | 10.40 | 110 | 251103 | 282.06 | ppb | | 98 |
| 76) | B215 n-Propylbenzene | 10.26 | 91 | 8709126 | 238.69 | ppb | | 95 |
| 77) | B220 2-Chlorotoluene | 10.26 | 91 | 8724171 | 434.64 | ppb | | 66 |
| 78) | B230 1,3,5-Trimebenzene | 10.42 | 105 | 6016868 | 307.84 | ppb | | 89 |
| 79) | B225 4-Chlorotoluene | 10.47 | 91 | 5625253 | 286.55 | ppb | | 84 |
| 80) | E118 Pentachloroethane | 10.61 | 167 | 1056462 | 311.16 | ppb | # | 81 |
| 81) | B240 tert-Butylbenzene | 10.61 | 119 | 5870948 | 344.55 | ppb | | 97 |
| 82) | B235 1,2,4-Trimebenzene | 10.66 | 105 | 5870614 | 316.45 | ppb | | 90 |
| 83) | B245 sec-Butylbenzene | 10.73 | 105 | 7566179 | 261.36 | ppb | | 95 |
| 84) | B255 4-Isopropyltoluene | 10.83 | 119 | 5860528 | 346.16 | ppb | | 96 |
| 85) | D070 t-1,4Dicl-2-butene | 10.22 | 88 | 747637 | 573.92 | ppb | | 100 |
| 86) | C252 1,3-Dichlorobenzen | 10.84 | 146 | 2852978 | 342.86 | ppb | | 99 |
| 87) | C254 1,4-Dichlorobenzen | 10.90 | 146 | 2662861 | 335.74 | ppb | | 98 |
| 88) | C253 1,2-Dichlorobenzen | 11.14 | 146 | 2179741 | 324.74 | ppb | | 100 |
| 89) | B250 n-Butylbenzene | 11.07 | 91 | 6138691 | 297.90 | ppb | | 93 |
| 90) | D060 1,2-Dibr3chlpropan | 11.58 | 75 | 105799 | 309.87 | ppb | | 91 |
| 91) | B290 1,2,4-Trichlbenzen | 11.93 | 180 | 1216568 | 406.68 | ppb | | 99 |
| 92) | B280 Hexachlorobutadien | 11.93 | 225 | 340477 | 281.93 | ppb | | 100 |
| 93) | B285 Naphthalene | 12.10 | 128 | 1017687 | 439.38 | ppb | | 100 |
| 94) | B295 1,2,3-Trichlbenzen | 12.19 | 180 | 854317 | 400.79 | ppb | | 98 |

**010091**

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

# Continuing Calibration Report Inst_Z

Method : C:\DATAZ\Z121406.M (RTE Integrator)
Title : 8260 LIST Z
Last Update : Mon Dec 18 13:44:07 2006
Response via : Initial Calibration

Continuing Calibration File: 1218Z03.D

Min. RRF : 0.000 Min. Rel. Area : 10%
Max. RRF Dev : 90% Max. Rel. Area : 500%

| | | Compound | AvgRF | CCRF | %Dev | Area% |
|---|---|---|---|---|---|---|
| 1 | I | CI05 Pentafluorobenzene | 1.000 | 1.000 | 0.0 | 119 |
| 2 | PM | C010 Chloromethane | 0.500 | 0.518 ✓ | -3.7 | 117 |
| 3 | CM | C020 Vinyl chloride - UJ | 0.313 | 0.418 | -33.6# | 140 |
| | | | | % Drift = 17.89# | | |
| 4 | TM | C015 Bromomethane | 0.513 | 0.481 | 6.1 | 108 |
| 5 | T | C025 Chloroethane | 0.235 | 0.251 | -6.9 | 124 |
| | | | | % Drift = 24.96# | | |
| 6 | T | D805 Dichldiflmethane - UJ | 0.091 | 0.065 | 28.8 | 98 |
| | | | | % Drift = 23.18# | | |
| 7 | T | D010 Trichlflmethane | 1.065 | 1.095 | -2.8 | 112 |
| 8 | T | E123 1,1,2-Trichlorotrifluoro | 0.890 | 0.818 | 8.1 | 108 |
| 9 | T | D015 Acrolein - R | 0.025 | 0.036 | -45.7 | 150 |
| | | | | % Drift = 32.36# | | |
| 10 | T | C035 Acetone | 0.099 | 0.084 | 14.9 | 146 |
| | | | | % Drift = 30.59# | | |
| 11 | MC | C045 1,1-Dichloroethene | 0.732 | 0.637 | 13.0 | 99 |
| 12 | T | XS12 Hexane | 0.723 | 0.762 | -5.3 | 124 |
| 13 | T | D020 Acetonitrile | 0.089 | 0.093 | -3.8 | 125 |
| 14 | T | F010 Methylacetate - R | 0.047 | 0.063 | -34.8 | 147 |
| 15 | T | D030 Iodomethane | 1.217 | 1.083 | 11.1 | 99 |
| 16 | T | D025 Allyl chloride | 0.373 | 0.341 | 8.6 | 109 |
| 17 | T | C030 Methylene chloride | 1.287 | 0.667 | 48.2 | 63 |
| | | | | % Drift = 38.48# | | |
| 18 | T | C040 Carbon disulfide | 1.843 | 1.793 | 2.7 | 106 |
| 19 | T | D810 MTBE | 0.853 | 0.837 | 1.9 | 97 |
| 20 | T | C009 Acrylonitrile | 0.095 | 0.118 | -24.5 | 153 |
| 21 | T | C053 t-1,2-Dichlethene | 0.889 | 0.837 | 5.9 | 110 |
| 22 | P | C050 1,1-Dichloroethane | 1.194 | 1.202 | -0.6 | 118 |
| 23 | T | C125 Vinyl acetate | 0.497 | 0.626 | -26.0 | 142 |
| 24 | T | D309 Chloroprene | 0.825 | 0.724 | 12.3 | 106 |
| 25 | T | C110 2-Butanone | 0.133 | 0.168 | -26.6 | 160 |
| | | | | % Drift = 33.52# | | |
| 26 | T | E100 Ethyl cyanide - not parameter | 0.031 | 0.047 | -47.9 | 170 |
| 27 | T | C054 c-1,2-Dichlethene | 0.894 | 0.811 | 9.3 | 106 |
| 28 | T | B060 22-Dichloropropane | 1.121 | 1.121 | -0.0 | 111 |
| 29 | C | C060 Chloroform | 1.522 | 1.457 | 4.2 | 113 |
| 30 | T | E114 Methacrylonitrile - not para | 0.189 | 0.274 | -45.1 | 159 |
| 31 | T | C007 Isobutyl alcohol - not parameter | 0.012 | 0.017 | -49.7 | 179 |
| 32 | T | B070 Bromochloromethane | 0.218 | 0.217 | 0.7 | 116 |
| 33 | T | B075 111-Trichlorethane | 1.330 | 1.272 | 4.3 | 109 |
| 34 | T | F012 Cyclohexane | 1.394 | 1.273 | 8.7 | 103 |
| 35 | S | CS15 Dibrfluoromethane | 0.580 | 0.577 ✓ | 0.6 | 111 |
| 36 | T | X103 Tetrahydrofuran - not para | 0.077 | 0.107 | -39.5 | 157 |

010092

(#) = Out of Range

Method : C:\DATAZ\Z121406.M (RTE Integrator)
Title : 8260 LIST Z
Last Update : Mon Dec 18 13:44:07 2006
Response via : Initial Calibration

Continuing Calibration File: 1218Z03.D

Min. RRF : 0.000 Min. Rel. Area : 10%
Max. RRF Dev : 90% Max. Rel. Area : 500%

| | | Compound | AvgRF | CCRF | %Dev | Area% |
|---|---|---|---|---|---|---|
| 37 | I | CI10 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 117 |
| 38 | T | C065 1,2-Dichloroethane | 0.235 | 0.270 | -14.8 | 139 |
| 39 | T | C120 Carbon tetrachlori | 0.351 | 0.342 | 2.6 | 112 |
| 40 | T | B115 11-Dichloropropene | 0.591 | 0.530 | 10.3 | 116 |
| | | | | % Drift = 0.99 | | |
| 41 | M | C165 Benzene | 1.565 | 1.461 | 6.6 | 113 |
| 42 | M | C150 Trichloroethene | 0.281 | 0.258 | 8.1 | 111 |
| 43 | T | F013 Methylcyclohexane | 0.723 | 0.684 | 5.3 | 109 |
| 44 | C | C140 12-Dichloropropane | 0.278 | 0.304 | -9.6 | 129 |
| 45 | T | E116 Methyl methacrylate-not para | 0.128 | 0.179 | -40.2 | 160 |
| 46 | T | C130 Bromodiclmethane | 0.486 | 0.491 | -1.0 | 118 |
| 47 | T | D040 Dibromomethane | 0.167 | 0.182 | -9.1 | 125 |
| 48 | T | C251 1,4-Dioxane -not parameter | 0.002 | 0.002 | -23.5 | 139 |
| 49 | T | C175 2-Chloroethvinylet-R | 0.049 | 0.065 | -33.4 | 150 |
| 50 | T | C143 c-1,3-Dichlpropene | 0.463 | 0.504 | -8.8 | 125 |
| 51 | T | C172 t-1,3-Dichlpropene | 0.360 | 0.412 | -14.6 | 131 |
| 52 | T | E112 Ethyl methacrylate | 0.213 | 0.254 | -19.2 | 141 |
| 53 | CM | B130 Toluene | 1.742 | 1.633 | 6.2 | 112 |
| 54 | S | CS05 Toluene-d8 | 1.220 | 1.213 | 0.6 | 111 |
| 55 | T | C160 112-Trichlorethane | 0.212 | 0.229 | -8.0 | 123 |
| 56 | T | B155 1,2-Dibromoethane | 0.173 | 0.197 | -13.8 | 131 |
| 57 | I | CI15 Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 129 |
| 58 | T | B140 13-Dichloropropane | 0.763 | 0.772 | -1.1 | 132 |
| 59 | T | C155 Chlorodibrmethane | 0.332 | 0.329 | 0.9 | 129 |
| 60 | P | C180 Bromoform | 0.285 | 0.281 | 1.4 | 129 |
| 61 | T | C205 4-Methyl2pentanone | 0.257 | 0.320 | -24.3 | 160 |
| 62 | T | C210 2-Hexanone | 0.165 | 0.196 | -18.7 | 151 |
| 63 | T | C220 Tetrachloroethene | 0.679 | 0.538 | 20.8 | 105 |
| 64 | MP | C235 Chlorobenzene | 1.674 | 1.507 | 10.0 | 118 |
| 65 | T | C008 1112-Tetraclethane | 0.407 | 0.373 | 8.4 | 123 |
| 66 | C | C240 Ethylbenzene | 3.909 | 3.376 | 13.6 | 114 |
| 67 | T | C250 m-p-Xylene | 1.329 | 1.155 | 13.1 | 116 |
| 68 | T | C250 o-Xylene | 1.230 | 1.080 | 12.2 | 117 |
| 69 | T | C245 Styrene | 1.793 | 1.624 | 9.4 | 118 |
| 70 | I | CI20 1,4-Dichlroobenzene-d4 | 1.000 | 1.000 | 0.0 | 134 |
| 71 | T | B195 Isopropylbenzene | 5.787 | 4.621 | 20.2 | 117 |
| 72 | P | C225 1122-Tetraclethane | 0.867 | 0.829 | 4.4 | 138 |
| 73 | S | CS10 Bromofluorobenzene | 1.069 | 0.868 | 18.9 | 116 |
| 74 | T | B210 Bromobenzene | 1.090 | 0.891 | 18.2 | 118 |
| 75 | T | D055 1,2,3-Triclpropane | 0.210 | 0.202 | 4.1 | 142 |
| | | | | % Drift = 0.87 | | |

**010093**

(#) = Out of Range

Method : C:\DATAZ\Z121406.M (RTE Integrator)
Title : 8260 LIST Z
Last Update : Mon Dec 18 13:44:07 2006
Response via : Initial Calibration

Continuing Calibration File: 1218Z03.D

Min. RRF : 0.000 Min. Rel. Area : 10%
Max. RRF Dev : 90% Max. Rel. Area : 500%

| | | Compound | AvgRF | CCRF | %Dev | Area% |
|---|---|---|---|---|---|---|
| 76 | T | B215 n-Propylbenzene | 8.121 | 6.705 | 17.4 | 115 |
| 77 | T | B220 2-Chlorotoluene | 5.079 | 3.694 | 27.3 | 115 |
| | | | | % Drift = 24.39# | | |
| 78 | T | B230 1,3,5-Trimebenzene | 4.554 | 3.609 | 20.7 | 116 |
| 79 | T | B225 4-Chlorotoluene | 4.455 | 3.630 | 18.5 | 116 |
| 80 | T | E118 Pentachloroethane | 0.794 | 0.658 | 17.2 | 121 |
| 81 | T | B240 tert-Butylbenzene | 4.087 | 3.259 | 20.3 | 120 |
| 82 | T | B235 1,2,4-Trimebenzene | 4.312 | 3.439 | 20.2 | 116 |
| 83 | T | B245 sec-Butylbenzene | 6.453 | 5.274 | 18.3 | 114 |
| 84 | T | B255 4-Isopropyltoluene | 3.922 | 3.122 | 20.4 | 115 |
| | | | | % Drift = 21.74# | | |
| 85 | T | D070 t-1,4Dicl-2-butene | 0.291 | 0.285 | 2.1 | 137 |
| 86 | T | C252 1,3-Dichlorobenzen | 1.901 | 1.533 | 19.3 | 115 |
| 87 | T | C254 1,4-Dichlorobenzen | 1.795 | 1.457 | 18.8 | 115 |
| 88 | T | C253 1,2-Dichlorobenzen | 1.519 | 1.263 | 16.9 | 118 |
| 89 | T | B250 n-Butylbenzene | 4.426 | 3.590 | 18.9 | 109 |
| 90 | T | D060 1,2-Dibr3chlpropan | 0.080 | 0.073 | 8.5 | 133 |
| 91 | T | B290 1,2,4-Trichlbenzen | 0.665 | 0.503 | 24.3 | 105 |
| | | | | % Drift = 29.58# | | |
| 92 | T | B280 Hexachlorobutadien-not para | 0.274 | 0.191 | 30.3 | 99 |
| 93 | T | B285 Naphthalene | 0.544 | 0.471 | 13.4 | 127 |
| | | | | % Drift = 21.66# | | |
| 94 | T | B295 1,2,3-Trichlbenzen | 0.484 | 0.372 | 23.1 | 109 |
| | | | | % Drift = 28.35# | | |

010094

(#) = Out of Range SPCC's out = 0 CCC's out = 1

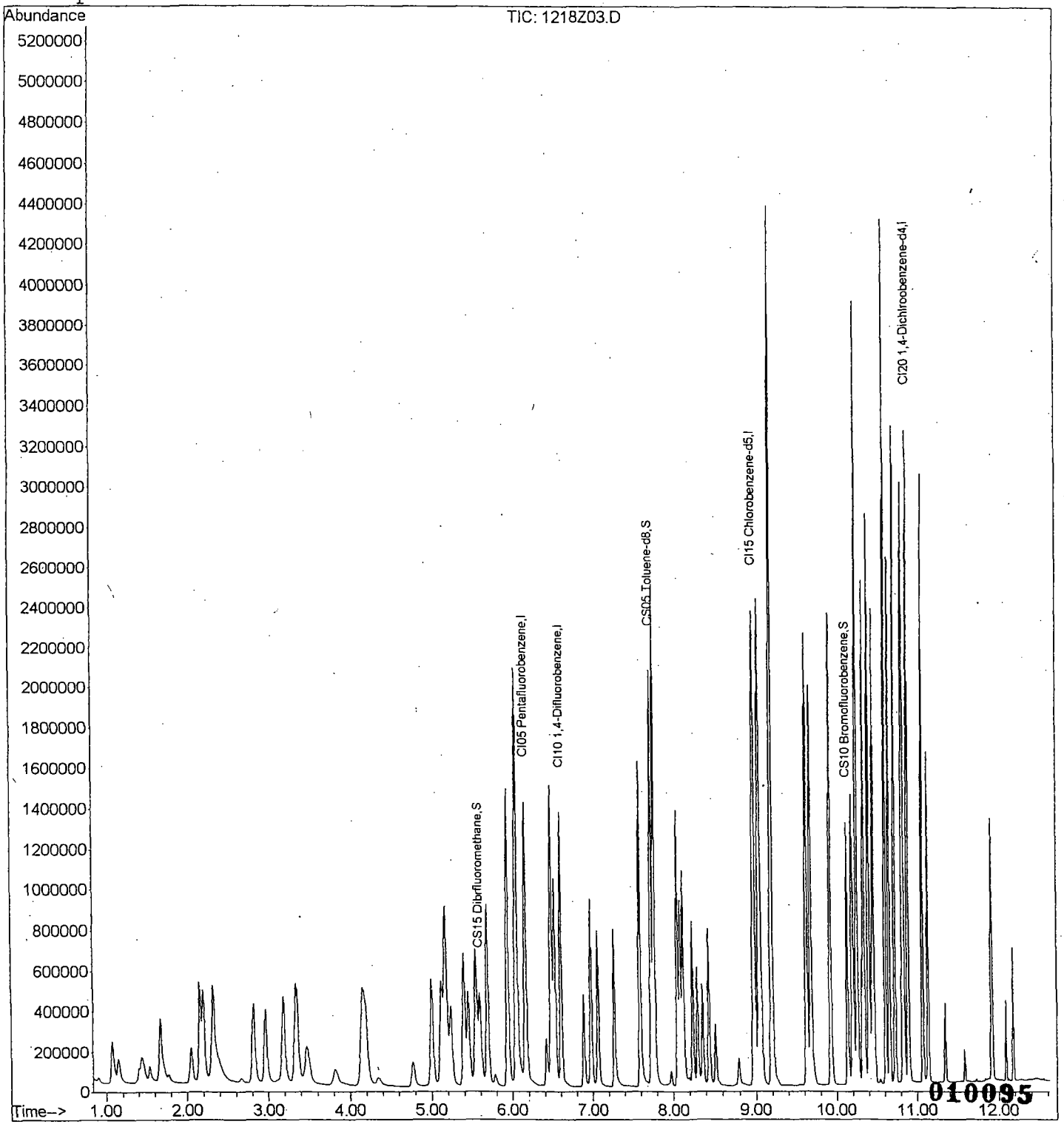
Quantitation Report

Data File : C:\DATAZ\121806\1218Z03.D
Acq On : 18 Dec 2006 12:39
Sample : VSTD050
Misc. :
MS Integration Params: RTEINT.P
Quant Time: Dec 18 13:43 2006

Vial: 3
Operator:
Inst : Inst_Z
Multiplr: 1.00

Quant Results File: Z121406.RES

Method : C:\DATAZ\Z121406.M (RTE Integrator)
Title : 8260 LIST Z
Last Update : Fri Dec 15 12:34:39 2006
Response via : Initial Calibration




010095

Quantitation Report (QT Reviewed)

Data File : C:\DATAZ\121806\1218Z03.D Vial: 3
Acq On : 18 Dec 2006 12:39 Operator:
Sample : VSTD050 Inst : Inst_Z
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 18 13:43 2006 Quant Results File: Z121406.RES

Quant Method : C:\DATAZ\Z121406.M (RTE Integrator)
Title : 8260 LIST Z
Last Update : Fri Dec 15 12:34:39 2006
Response via : Initial Calibration
DataAcq Meth : ZVOAGC2
IS QA File : C:\DATAZ\121506\1215Z03.D (15 Dec 2006 12:14)

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) Rcv(Ar ) |
|---|---|---|---|---|---|---|---|
| 1) CI05 Pentafluorobenzene | 6.16 | 99 | 447431 | 50.00 | ppb | | -0.01 99.07% |
| 37) CI10 1,4-Difluorobenzene | 6.60 | 114 | 980529 | 50.00 | ppb | | 0.00 99.71% |
| 57) CI15 Chlorobenzene-d5 | 8.97 | 82 | 545179 | 50.00 | ppb | | 0.00 110.57% |
| 70) CI20 1,4-Dichlroobenzene-d | 10.88 | 152 | 322859 | 50.00 | ppb | | 0.00 114.54% |
| **System Monitoring Compounds** | | | | | | | |
| 35) CS15 Dibrfluoromethane | 5.59 | 113 | 257949 | 49.70 | ppb | | -0.01 |
| Spiked Amount 50.000 | Range 68 - 124 | | Recovery = 99.40% | | | | |
| 54) CS05 Toluene-d8 | 7.73 | 98 | 1189137 | 49.69 | ppb | | 0.00 |
| Spiked Amount 50.000 | Range 74 - 122 | | Recovery = 99.38% | | | | |
| 73) CS10 Bromofluorobenzene | 10.13 | 176 | 280176 | 40.57 | ppb | | -0.02 |
| Spiked Amount 50.000 | Range 71 - 129 | | Recovery = 81.14% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) C010 Chloromethane | 1.06 | 50 | 231795 | 51.85 | ppb | | 99 |
| 3) C020 Vinyl chloride | 1.14 | 62 | 187144 | 58.94 | ppb | | 90 |
| 4) C015 Bromomethane | 1.44 | 94 | 215350 | 46.95 | ppb | | 98 |
| 5) C025 Chloroethane | 1.53 | 64 | 112191 | 62.48 | ppb | | 97 |
| 6) D805 Dichldiflmethane | 0.91 | 85 | 28991 | 38.41 | ppb | | 97 |
| 7) D010 Trichlflmethane | 1.67 | 101 | 489860 | 51.39 | ppb | | 99 |
| 8) E123 1,1,2-Trichlorotriflu | 2.32 | 101 | 366171 | 45.96 | ppb | | 98 |
| 9) D015 Acrolein | 2.66 | 56 | 32216 | 132.36 | ppb | # | 67 |
| 10) C035 Acetone | 3.12 | 43 | 37765 | 65.30 | ppb | | 94 |
| 11) C045 1,1-Dichloroethene | 2.20 | 96 | 284834 | 43.50 | ppb | # | 51 |
| 12) XS12 Hexane | 3.34 | 57 | 340719 | 52.67 | ppb | # | 85 |
| 13) D020 Acetonitrile | 2.81 | 41 | 414220 | 518.97 | ppb | | 95 |
| 14) F010 Methylacetate | 3.36 | 74 | 28060 | 67.39 | ppb | | 100 |
| 15) D030 Iodomethane | 2.32 | 142 | 484488 | 44.47 | ppb | | 85 |
| 16) D025 Allyl chloride | 2.81 | 76 | 152703 | 45.71 | ppb | # | 70 |
| 17) C030 Methylene chloride | 2.96 | 84 | 298451 | 30.76 | ppb | # | 76 |
| 18) C040 Carbon disulfide | 2.15 | 76 | 802055 | 48.64 | ppb | | 98 |
| 19) D810 MTBE | 3.47 | 73 | 374297 | 49.03 | ppb | | 100 |
| 20) C009 Acrylonitrile | 4.35 | 53 | 52737 | 62.27 | ppb | | 81 |
| 21) C053 t-1,2-Dichlethene | 3.19 | 96 | 374549 | 47.07 | ppb | # | 59 |
| 22) C050 1,1-Dichloroethane | 4.19 | 63 | 537600 | 50.32 | ppb | | 97 |

010096

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

Quantitation Report (QT Reviewed)

Data File : C:\DATAZ\121806\1218Z03.D Vial: 3
Acq On : 18 Dec 2006 12:39 Operator:
Sample : VSTD050 Inst : Inst_Z
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 18 13:43 2006 Quant Results File: Z121406.RES

Quant Method : C:\DATAZ\Z121406.M (RTE Integrator)
Title : 8260 LIST Z
Last Update : Fri Dec 15 12:34:39 2006
Response via : Initial Calibration
DataAcq Meth : ZVOAGC2

| | Compound | R.T. | QIon | Response | Conc | Unit | | Qvalue |
|---|---|---|---|---|---|---|---|---|
| 23) | C125 Vinyl acetate | 4.77 | 43 | 280143 | 62.98 | ppb | | 89 |
| 24) | D309 Chloroprene | 4.16 | 88 | 323943 | 43.86 | ppb | | 100 |
| 25) | C110 2-Butanone | 5.78 | 43 | 75104 | 66.76 | ppb | | 97 |
| 26) | E100 Ethyl cyanide | 6.04 | 54 | 208096 | 739.35 | ppb | | 94 |
| 27) | C054 c-1,2-Dichlethene | 5.00 | 96 | 362772 | 45.34 | ppb | # | 84 |
| 28) | B060 22-Dichloropropane | 5.12 | 77 | 501454 | 50.00 | ppb | | 98 |
| 29) | C060 Chloroform | 5.39 | 83 | 652129 | 47.89 | ppb | | 94 |
| 30) | E114 Methacrylonitrile | 6.05 | 41 | 1226736 | 725.27 | ppb | | 93 |
| 31) | C007 Isobutyl alcohol | 6.42 | 43 | 155273 | 1497.03 | ppb | | 82 |
| 32) | B070 Bromochloromethane | 5.23 | 128 | 97003 | 49.66 | ppb | | 96 |
| 33) | B075 111-Trichlorethane | 5.54 | 97 | 569296 | 47.84 | ppb | | 92 |
| 34) | F012 Cyclohexane | 5.17 | 84 | 569622 | 45.66 | ppb | # | 74 |
| 36) | X103 Tetrahydrofuran | 5.54 | 42 | 47930 | 69.76 | ppb | | 96 |
| 38) | C065 1,2-Dichloroethane | 6.16 | 62 | 264351 | 57.38 | ppb | | 99 |
| 39) | C120 Carbon tetrachlori | 5.45 | 117 | 335277 | 48.70 | ppb | | 91 |
| 40) | B115 11-Dichloropropene | 5.68 | 75 | 519414 | 50.49 | ppb | | 97 |
| 41) | C165 Benzene | 5.94 | 78 | 1432551 | 46.69 | ppb | | 100 |
| 42) | C150 Trichloroethene | 6.52 | 130 | 252828 | 45.93 | ppb | # | 45 |
| 43) | F013 Methylcyclohexane | 6.48 | 83 | 671159 | 47.34 | ppb | # | 84 |
| 44) | C140 12-Dichloropropane | 6.98 | 63 | 298510 | 54.82 | ppb | | 96 |
| 45) | E116 Methyl methacrylate | 7.27 | 41 | 351957 | 140.24 | ppb | | 94 |
| 46) | C130 Bromodiclmethane | 7.07 | 83 | 481852 | 50.52 | ppb | | 99 |
| 47) | D040 Dibromomethane | 6.89 | 93 | 178584 | 54.55 | ppb | | 94 |
| 48) | C251 1,4-Dioxane | 7.26 | 88 | 39639 | 1234.98 | ppb | | 83 |
| 49) | C175 2-Chloroethvinylet | 7.59 | 63 | 255109 | 266.85 | ppb | | 96 |
| 50) | C143 c-1,3-Dichlpropene | 7.59 | 75 | 494062 | 54.40 | ppb | | 99 |
| 51) | C172 t-1,3-Dichlpropene | 8.12 | 75 | 404136 | 57.28 | ppb | | 99 |
| 52) | E112 Ethyl methacrylate | 8.29 | 69 | 249218 | 59.61 | ppb | | 89 |
| 53) | B130 Toluene | 7.77 | 91 | 1601578 | 46.88 | ppb | | 98 |
| 55) | C160 112-Trichlorethane | 8.23 | 97 | 224518 | 54.00 | ppb | | 90 |
| 56) | B155 1,2-Dibromoethane | 8.51 | 107 | 193462 | 56.92 | ppb | | 96 |
| 58) | B140 13-Dichloropropane | 8.43 | 76 | 420670 | 50.56 | ppb | | 96 |
| 59) | C155 Chlorodibrmethane | 8.35 | 129 | 179441 | 49.55 | ppb | | 96 |
| 60) | C180 Bromoform | 9.68 | 173 | 153162 | 49.30 | ppb | | 95 |
| 61) | C205 4-Methyl2pentanone | 8.11 | 43 | 174432 | 62.13 | ppb | | 96 |
| 62) | C210 2-Hexanone | 8.79 | 43 | 106729 | 59.35 | ppb | | 99 |
| 63) | C220 Tetrachloroethene | 8.05 | 164 | 293340 | 39.62 | ppb | | 100 |
| 64) | C235 Chlorobenzene | 8.98 | 112 | 821704 | 45.01 | ppb | | 100 |
| 65) | C008 1112-Tetraclethane | 9.06 | 131 | 203159 | 45.81 | ppb | | 93 |
| 66) | C240 Ethylbenzene | 9.04 | 91 | 1840473 | 43.18 | ppb | | 94 |
| 67) | C250 m-p-Xylene | 9.19 | 106 | 1259669 | 86.94 | ppb | # | 85 |

010097

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

Quantitation Report (QT Reviewed)

Data File : C:\DATAZ\121806\1218Z03.D Vial: 3
Acq On : 18 Dec 2006 12:39 Operator:
Sample : VSTD050 Inst : Inst_Z
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 18 13:43 2006 Quant Results File: Z121406.RES

Quant Method : C:\DATAZ\Z121406.M (RTE Integrator)
Title : 8260 LIST Z
Last Update : Fri Dec 15 12:34:39 2006
Response via : Initial Calibration
DataAcq Meth : ZVOAGC2

| | Compound | R.T. | QIon | Response | Conc | Unit | | Qvalue |
|---|---|---|---|---|---|---|---|---|
| 68) | C250 o-Xylene | 9.63 | 106 | 588866 | 43.90 | ppb | # | 74 |
| 69) | C245 Styrene | 9.69 | 104 | 885432 | 45.30 | ppb | | 98 |
| 71) | B195 Isopropylbenzene | 9.93 | 105 | 1491893 | 39.92 | ppb | | 90 |
| 72) | C225 1122-Tetraclethane | 10.32 | 83 | 267694 | 47.81 | ppb | | 96 |
| 74) | B210 Bromobenzene | 10.19 | 156 | 287828 | 40.88 | ppb | | 98 |
| 75) | D055 1,2,3-Triclpropane | 10.39 | 110 | 65075 | 50.43 | ppb | | 96 |
| 76) | B215 n-Propylbenzene | 10.25 | 91 | 2164917 | 41.29 | ppb | | 86 |
| 77) | B220 2-Chlorotoluene | 10.34 | 91 | 1192583 | 37.80 | ppb | | 79 |
| 78) | B230 1,3,5-Trimebenzene | 10.40 | 105 | 1165309 | 39.63 | ppb | | 88 |
| 79) | B225 4-Chlorotoluene | 10.46 | 91 | 1171876 | 40.73 | ppb | | 81 |
| 80) | E118 Pentachloroethane | 10.61 | 167 | 212341 | 41.41 | ppb | # | 80 |
| 81) | B240 tert-Butylbenzene | 10.61 | 119 | 1052199 | 39.87 | ppb | | 80 |
| 82) | B235 1,2,4-Trimebenzene | 10.66 | 105 | 1110356 | 39.88 | ppb | | 89 |
| 83) | B245 sec-Butylbenzene | 10.72 | 105 | 1702646 | 40.86 | ppb | | 88 |
| 84) | B255 4-Isopropyltoluene | 10.82 | 119 | 1007939 | 39.13 | ppb | | 96 |
| 85) | D070 t-1,4Dicl-2-butene | 10.21 | 88 | 184085 | 97.89 | ppb | | 100 |
| 86) | C252 1,3-Dichlorobenzen | 10.84 | 146 | 495087 | 40.34 | ppb | | 96 |
| 87) | C254 1,4-Dichlorobenzen | 10.90 | 146 | 470274 | 40.58 | ppb | | 99 |
| 88) | C253 1,2-Dichlorobenzen | 11.14 | 146 | 407766 | 41.57 | ppb | | 99 |
| 89) | B250 n-Butylbenzene | 11.07 | 91 | 1159082 | 40.56 | ppb | | 94 |
| 90) | D060 1,2-Dibr3chlpropan | 11.58 | 75 | 23485 | 45.75 | ppb | | 96 |
| 91) | B290 1,2,4-Trichlbenzen | 11.92 | 180 | 162486 | 35.21 | ppb | | 99 |
| 92) | B280 Hexachlorobutadien | 11.91 | 225 | 61553 | 34.84 | ppb | | 100 |
| 93) | B285 Naphthalene | 12.09 | 128 | 152163 | 39.17 | ppb | | 100 |
| 94) | B295 1,2,3-Trichlbenzen | 12.18 | 180 | 119991 | 35.82 | ppb | | 95 |

010098

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

# Continuing Calibration Report Inst_Z

Method : C:\DATAZ\SCZ1025.M (RTE Integrator)
Title : Special VOAs - Z
Last Update : Mon Dec 18 13:50:56 2006
Response via : Initial Calibration

Continuing Calibration File: 1218Z04.D

Min. RRF : 0.000 Min. Rel. Area : 10%
Max. RRF Dev : 90% Max. Rel. Area : 500%

| | | Compound | AvgRF | CCRF | %Dev | Area% |
|---|---|---|---|---|---|---|
| 1 | I | CI05 Pentafluorobenzene | 1.000 | 1.000 | 0.0 | 199 |
| 2 | | SS72 1,3-Butadiene - not parameter | 1.067 | 0.403 | 62.2 | 76 |
| 3 | | SS73 2-Methyl butane - not parameter | 1.105 | 0.480 | 56.6 | 90 |
| 4 | | SS79 Isoprene - not para | 1.408 | 0.688 | 51.2 | 99 |
| 5 | T | SS89 Ethyl ether | 0.324 | 0.279 | 13.9 | 184 |
| 6 | T | SS98 Pentane - not para | 0.814 | 0.394 | 51.6 | 101 |
| 7 | | SS67 Isobutylchloride - not para | 2.105 | 1.555 | 26.1 | 154 |
| 8 | I | CI10 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 171 |
| 9 | T | SS43 Isooctane | 1.885 | 1.427 | 24.3 | 134 |
| 10 | T | SS26 Heptane | 0.828 | 0.681 | 17.8 | 147 |
| 11 | T | SS22 2-Nitropropane - not para | 0.019 | 0.043 | -124.6# | 380 |
| 12 | | SS71 n-Propyl acetate - not para | 0.176 | 0.280 | -59.1 | 278 |
| 13 | T | SS21 Epichlorohydrin - not parameter | 0.002 | 0.003 | -56.3 | 275 |
| 14 | T | SS27 Sec-butyl Ether | 0.903 | 0.840 | 7.0 | 164 |
| 15 | I | CI15 Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 230 |
| 16 | T | SS45 Tetrahydrothiophene | 0.091 | 0.102 | -11.0 | 257 |
| 17 | T | SS06 Cyclohexanone | 0.016 | 0.013 | 20.3 | 205 |
| 18 | I | CI20 1,4-Dichlroobenzene-d4 | 1.000 | 1.000 | 0.0 | 210 |
| 19 | T | SS98 4-Methylstyrene | 2.265 | 1.899 | 16.2 | 178 |
| 20 | | SS99 Dicyclopentadiene | 8.085 | 5.484 not para | 32.2 | 151 |
| 21 | | SS83 Benzoyl chloride | 0.031 | 0.030 | 3.6 | 303 |
| | | | | % Drift = 45.49# | | |

010099

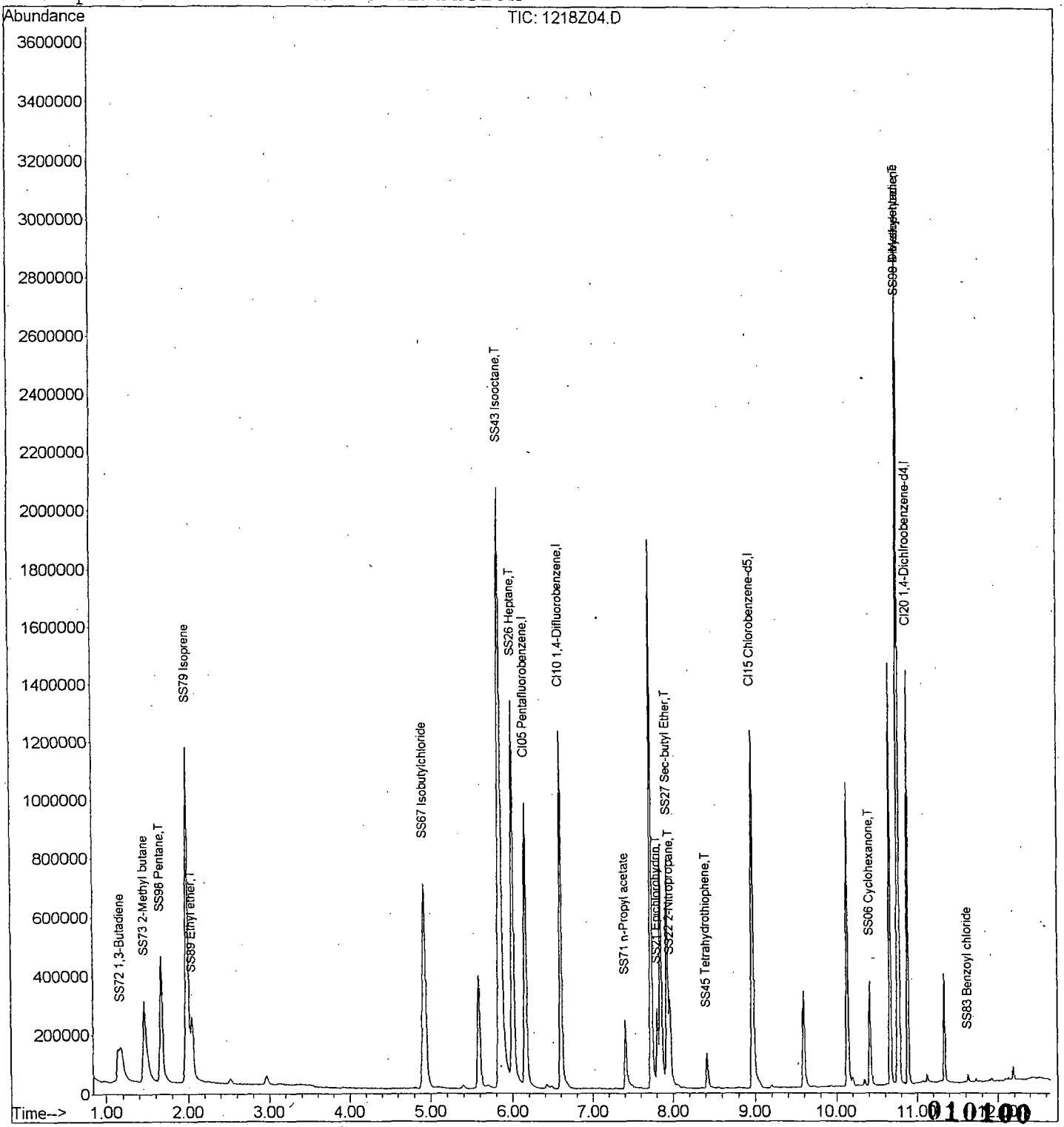
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data File : C:\DATAZ\121806\1218Z04.D
Acq On : 18 Dec 2006 13:07
Sample : SSTD050
Misc :
MS Integration Params: RTEENT.P
Quant Time: Dec 18 13:50 2006

Vial: 4
Operator:
Inst : Inst_Z
Multiplr: 1.00

Quant Results File: SCZ1025.RES

Method : C:\DATAZ\SCZ1025.M (RTE Integrator)
Title : Special VOAs - Z
Last Update : Tue Dec 12 14:02:06 2006
Response via : Initial Calibration




010100

Data File : C:\DATAZ\121806\1218Z04.D Vial: 4
Acq On : 18 Dec 2006 13:07 Operator:
Sample : SSTD050 Inst : Inst_Z
Misc : Multiplr: 1.00
MS Integration Params: RTEENT.P
Quant Time: Dec 18 13:50 2006 Quant Results File: SCZ1025.RES

Quant Method : C:\DATAZ\SCZ1025.M (RTE Integrator)
Title : Special VOAs - Z
Last Update : Tue Dec 12 14:02:06 2006
Response via : Initial Calibration
DataAcq Meth : ZVOAGC2
IS QA File : C:\DATAZ\121206\1212Z04.D (12 Dec 2006 13:44)

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) Rcv(Ar ) |
|---|---|---|---|---|---|---|---|
| 1) CI05 Pentafluorobenzene | 6.16 | 99 | 426381 | 50.00 | ppb | | -0.06 234.82% |
| 8) CI10 1,4-Difluorobenzene | 6.60 | 114 | 934431 | 50.00 | ppb | | -0.06 222.68% |
| 15) CI15 Chlorobenzene-d5 | 8.97 | 82 | 504244 | 50.00 | ppb | | -0.06 279.17% |
| 18) CI20 1,4-Dichlroobenzene-d | 10.89 | 152 | 255472 | 50.00 | ppb | | -0.03 240.70% |
| **System Monitoring Compounds** | | | | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) SS72 1,3-Butadiene | 1.17 | 39 | 171807 | 18.88 | ppb | | 92 |
| 3) SS73 2-Methyl butane | 1.47 | 43 | 204675 | 21.71 | ppb | | 98 |
| 4) SS79 Isoprene | 1.99 | 67 | 586448 | 48.83 | ppb | | 97 |
| 5) SS89 Ethyl ether | 2.06 | 45 | 119039 | 43.03 | ppb | | 91 |
| 6) SS98 Pentane | 1.68 | 43 | 335813 | 48.37 | ppb | | 99 |
| 7) SS67 Isobutylchloride | 4.92 | 43 | 663007 | 36.93 | ppb | | 94 |
| 9) SS43 Isooctane | 5.85 | 57 | 2667742 | 75.72 | ppb | | 96 |
| 10) SS26 Heptane | 6.01 | 43 | 636110 | 41.12 | ppb | | 92 |
| 11) SS22 2-Nitropropane | 7.97 | 43 | 160461 | 449.13 | ppb | | 99 |
| 12) SS71 n-Propyl acetate | 7.41 | 43 | 261433 | 79.55 | ppb | | 99 |
| 13) SS21 Epichlorohydrin | 7.81 | 49 | 56631 | 1562.68 | ppb | # | 75 |
| 14) SS27 Sec-butyl Ether | 7.93 | 45 | 785014m | 46.49 | ppb | # | 83 |
| 16) SS45 Tetrahydrothiophene | 8.42 | 60 | 51189 | 55.51 | ppb | | 80 |
| 17) SS06 Cyclohexanone | 10.41 | 55 | 129810 | 797.04 | ppb | | 94 |
| 19) SS98 4-Methylstyrene | 10.77 | 117 | 485126 | 41.92 | ppb | | 68 |
| 20) SS99 Dicyclopentadiene | 10.76 | 66 | 1401015 | 33.92 | ppb | # | 94 |
| 21) SS83 Benzoyl chloride | 11.63 | 105 | 7588 | 72.75 | ppb | | 88 |

010101

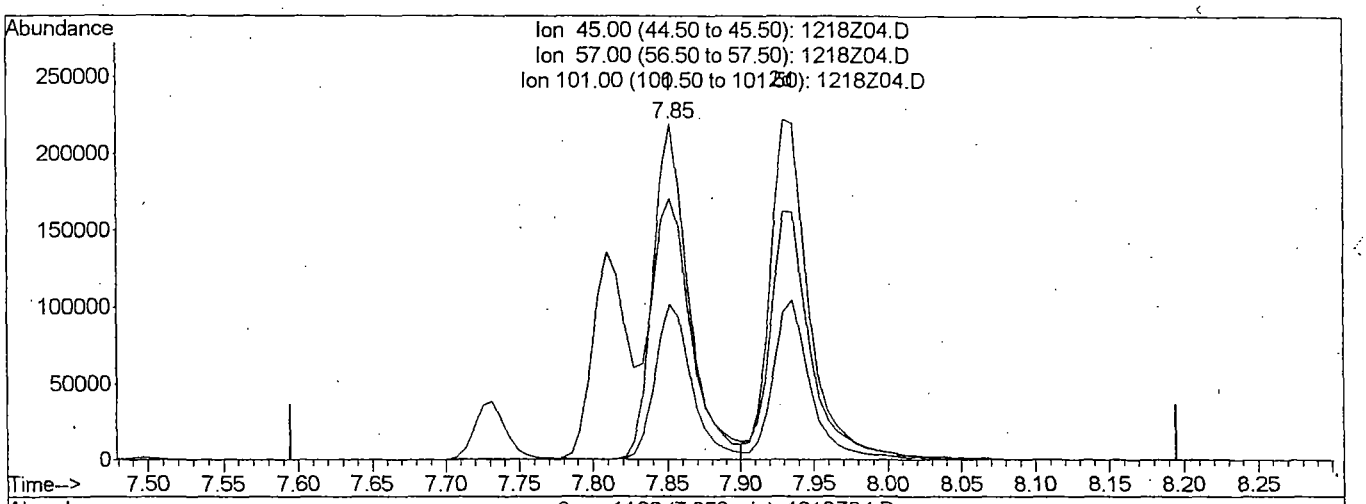
(#) = qualifier out of range (m) = manual integration

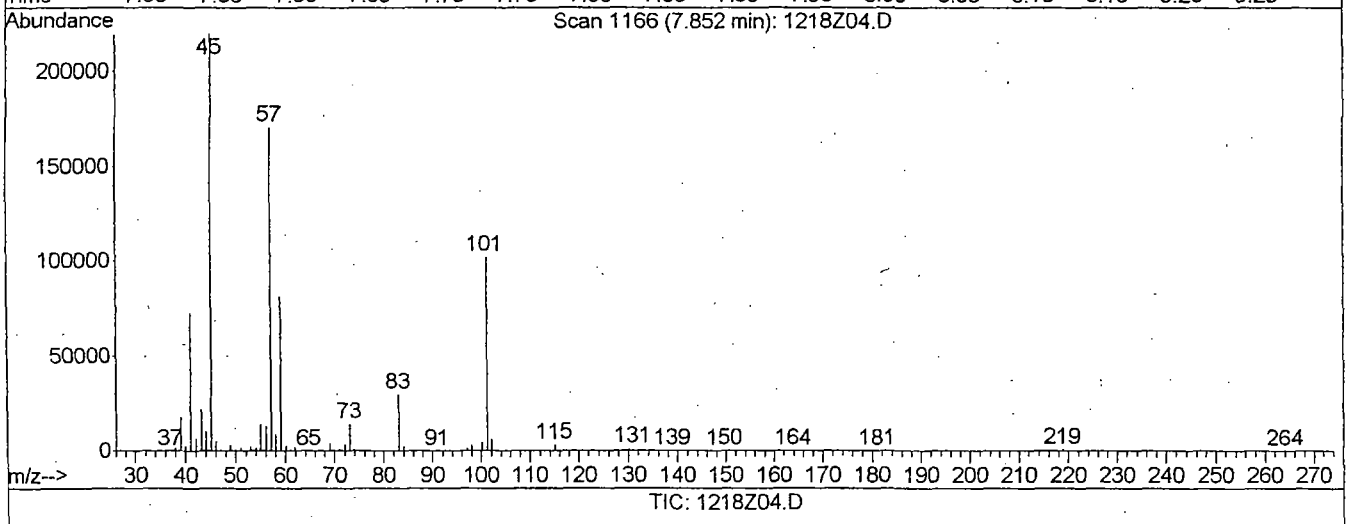
Quantitation Report (Qedit)

Data File : C:\DATAZ\121806\1218Z04.D
Acq On : 18 Dec 2006 13:07
Sample : SSTD050
Misc :
MS Integration Params: RTEENT.P
Quant Time: Dec 18 13:49 2006

Vial: 4
Operator:
Inst : Inst_Z
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\DATAZ\SCZ1025.M (RTE Integrator)
Title : Special VOAs - Z
Last Update : Tue Dec 12 14:02:06 2006
Response via : Multiple Level Calibration




TIC: 1218Z04.D

(14) SS27 Sec-butyl Ether (T)

7.85min 21.80ppb

response 368114

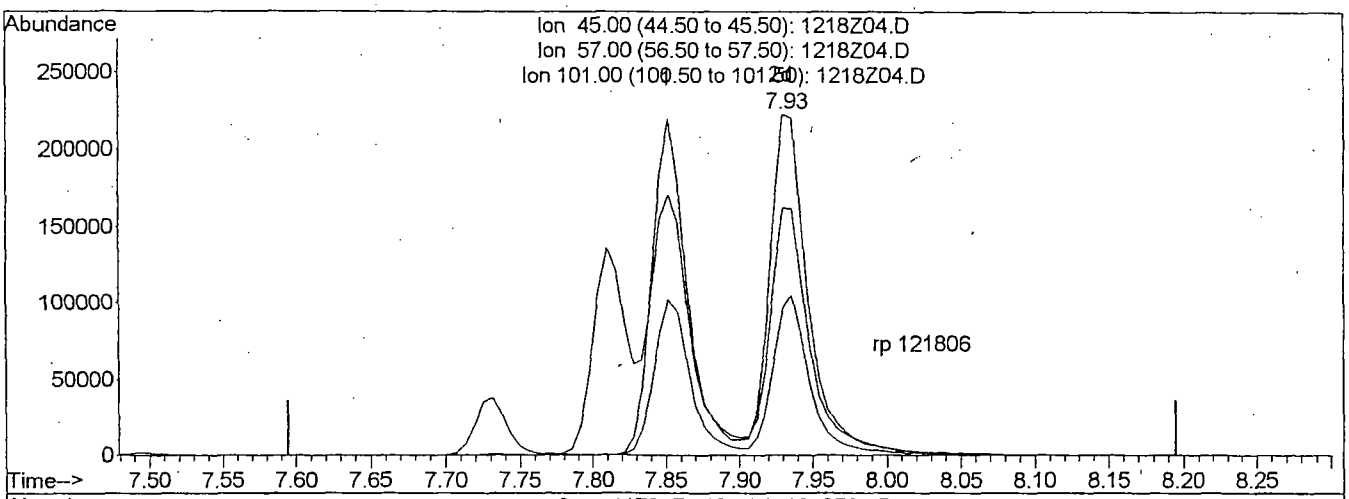
| Ion | Exp% | Act% |
|---|---|---|
| 45.00 | 100 | 100 |
| 57.00 | 82.00 | 63.96 |
| 101.00 | 37.80 | 44.45 |
| 0.00 | 0.00 | 0.00 |

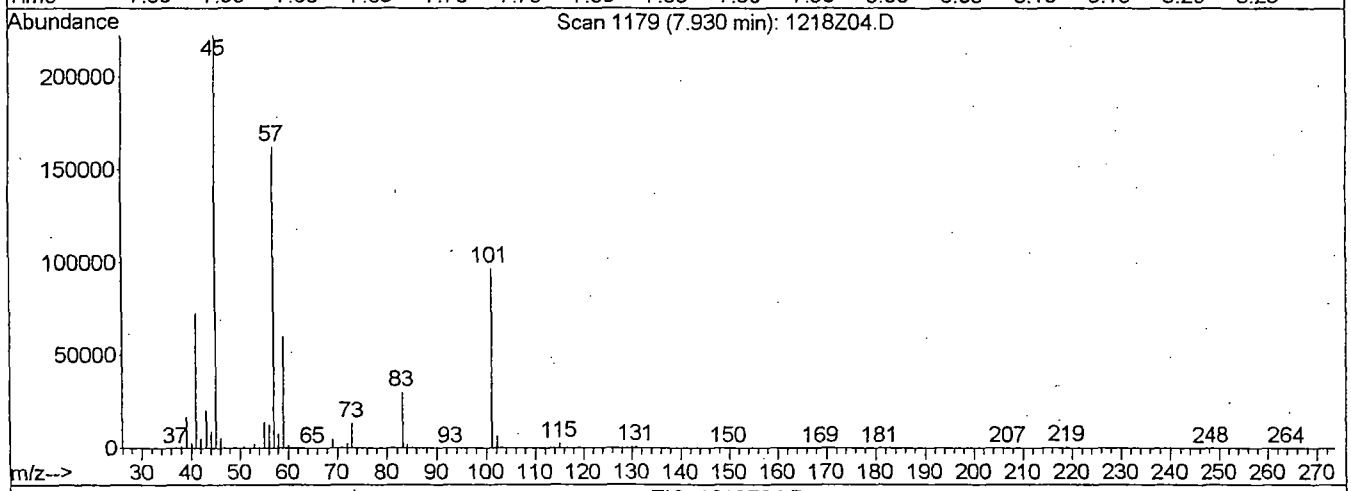
010102

Quantitation Report (Qedit)

Data File : C:\DATAZ\121806\1218Z04.D  Vial: 4
Acq On : 18 Dec 2006 13:07  Operator:
Sample : SSTD050  Inst : Inst_Z
Misc :  Multiplr: 1.00
MS Integration Params: RTEENT.P
Quant Time: Dec 18 13:50 2006  Quant Results File: temp.res

Method : C:\DATAZ\SCZ1025.M (RTE Integrator)
Title : Special VOAs - Z
Last Update : Tue Dec 12 14:02:06 2006
Response via : Multiple Level Calibration




TIC: 1218Z04.D

(14) SS27 Sec-butyl Ether (T)

7.93min 46.49ppb m

response 785014

| Ion | Exp% | Act% |
|---|---|---|
| 45.00 | 100 | 100 |
| 57.00 | 82.00 | 29.99# |
| 101.00 | 37.80 | 20.85 |
| 0.00 | 0.00 | 0.00 |

010103

FORM 8

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QC SUMMARY

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**VOLATILE**

**RAW QC**

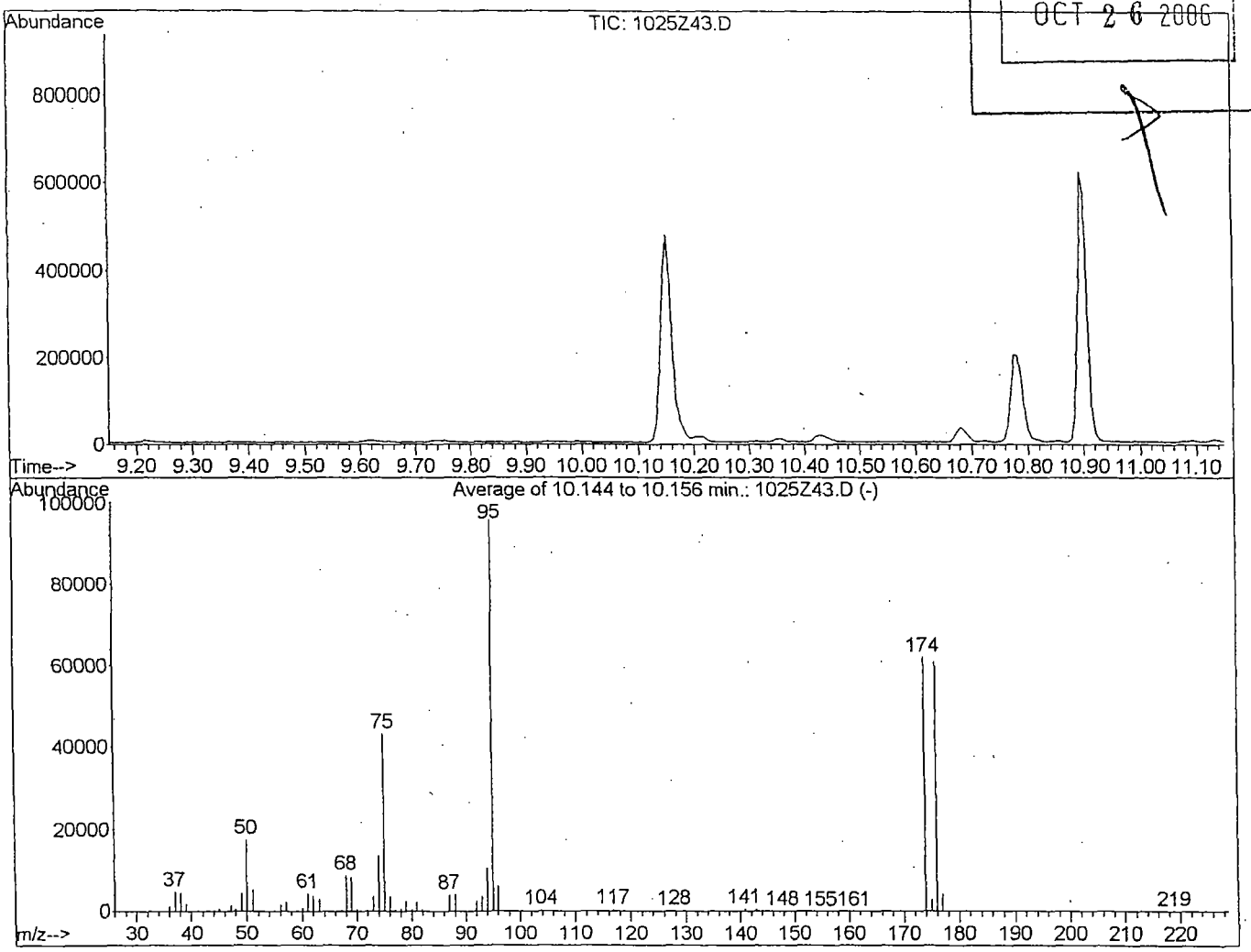
**SDG: 2064976**

# BFB Tune Evaluation

Data File : C:\DATAZ\102506\1025Z43.D
Acq On : 26 Oct 2006 1:50
Sample : SSTD005
Misc :
MS Integration Params: RTEENT.P
Method : C:\DATAZ\SCZ1025.M (RTE Integrator)
Title : Special VOAs - Z

Vial: 43
Operator:
Inst : Inst_Z
Multiplr: 1.00

REVIEWED
OCT 2 6 2006




Peak Apex is scan: 1543 (10.15 min)
Average of 3 scans: 1542,1543,1544 minus background scan 1523 (10.03 min)

| Target Mass | Rel. to Mass | Lower Limit,% | Upper Limit,% | Rel. Abn,% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 8 | 40 | 18.4 | 17600 | PASS |
| 75 | 95 | 30 | 66 | 45.2 | 43232 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 95672 | PASS |
| 96 | 95 | 5 | 9 | 6.5 | 6233 | PASS |
| 173 | 174 | 0 | 2 | 0.0 | 0 | PASS |
| 174 | 95 | 50 | 120 | 65.0 | 62227 | PASS |
| 175 | 174 | 4 | 9 | 4.6 | 2888 | PASS |
| 176 | 174 | 93 | 101 | 98.0 | 61008 | PASS |
| 177 | 176 | 5 | 9 | 6.8 | 4124 | PASS |

010106

1025Z43.D SCZ1025.M Thu Oct 26 09:02:48 2006

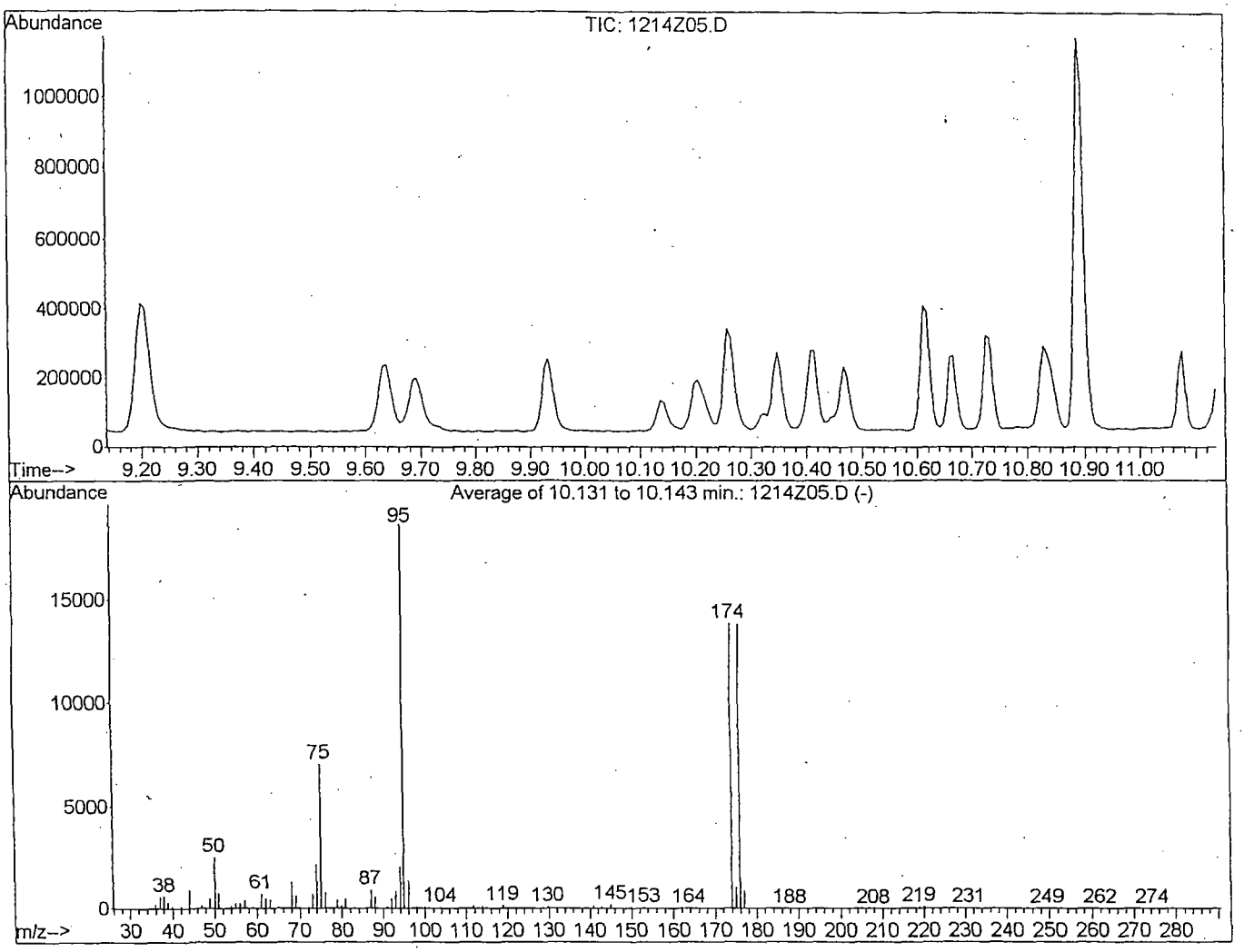
Average of 10.144 to 10.156 min.: 1025243.D
SSTD005
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 36.00 | 1343 | 56.95 | 2272 | 76.00 | 3645 | 95.00 | 95672 |
| 37.05 | 4755 | 60.00 | 832 | 76.95 | 527 | 96.00 | 6233 |
| 38.05 | 4438 | 61.00 | 4371 | 77.95 | 590 | 116.90 | 485 |
| 39.00 | 1741 | 62.00 | 3796 | 78.85 | 2400 | 140.85 | 698 |
| 45.00 | 791 | 63.00 | 2922 | 80.85 | 2199 | 142.95 | 596 |
| 47.05 | 1521 | 68.00 | 8856 | 81.90 | 513 | 173.90 | 62227 |
| 48.00 | 674 | 68.95 | 8317 | 86.95 | 4039 | 174.95 | 2888 |
| 49.05 | 4262 | 70.05 | 646 | 87.95 | 4032 | 175.90 | 61008 |
| 50.05 | 17600 | 72.95 | 3573 | 92.00 | 2479 | 176.90 | 4124 |
| 51.05 | 5266 | 74.00 | 13686 | 93.00 | 3667 | | |
| 56.00 | 1536 | 75.00 | 43232 | 94.00 | 10580 | | |

# BFB Tune Evaluation

Data File : C:\DATAZ\121406\1214Z05.D
Acq On : 14 Dec 2006 11:07
Sample : VSTD005
Misc :
MS Integration Params: RTEINT.P
Method : C:\DATAZ\Z121406.M (RTE Integrator)
Title : 8260 LIST Z

Vial: 5
Operator:
Inst : Inst_Z
Multiplr: 1.00




Peak Apex is scan: 1546 (10.14 min)
Average of 3 scans: 1545,1546,1547 minus background scan 1526 (10.02 min)

| Target Mass | Rel. to Mass | Lower Limit,% | Upper Limit,% | Rel. Abn,% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 8 | 40 | 13.6 | 2527 | PASS |
| 75 | 95 | 30 | 66 | 37.9 | 7064 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 18624 | PASS |
| 96 | 95 | 5 | 9 | 7.3 | 1355 | PASS |
| 173 | 174 | 0 | 2 | 0.0 | 0 | PASS |
| 174 | 95 | 50 | 120 | 74.5 | 13879 | PASS |
| 175 | 174 | 4 | 9 | 7.6 | 1057 | PASS |
| 176 | 174 | 93 | 101 | 99.6 | 13829 | PASS |
| 177 | 176 | 5 | 9 | 6.2 | 861 | PASS |

**010108**

1214Z05.D Z121406.M Thu Dec 14 13:56:08 2006

Average of 10.131 to 10.143 min.: 1214Z05.D
VSTD005
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 35.90 | 195 | 53.95 | 106 | 73.95 | 2148 | 94.00 | 2047 |
| 36.95 | 581 | 55.00 | 233 | 74.90 | 7064 | 94.95 | 18624 |
| 37.95 | 605 | 56.00 | 226 | 75.95 | 792 | 96.00 | 1355 |
| 38.95 | 307 | 57.00 | 392 | 78.90 | 432 | 111.80 | 149 |
| 39.95 | 116 | 61.00 | 709 | 79.90 | 158 | 113.90 | 117 |
| 42.05 | 130 | 61.95 | 495 | 80.90 | 489 | 118.90 | 165 |
| 43.95 | 890 | 63.00 | 427 | 86.95 | 912 | 140.85 | 152 |
| 46.95 | 179 | 68.00 | 1263 | 87.80 | 253 | 142.90 | 96 |
| 48.90 | 493 | 69.00 | 624 | 87.95 | 582 | 144.95 | 201 |
| 50.00 | 2527 | 71.95 | 95 | 91.95 | 480 | 173.90 | 13879 |
| 50.95 | 759 | 72.90 | 696 | 92.95 | 836 | 174.85 | 1057 |

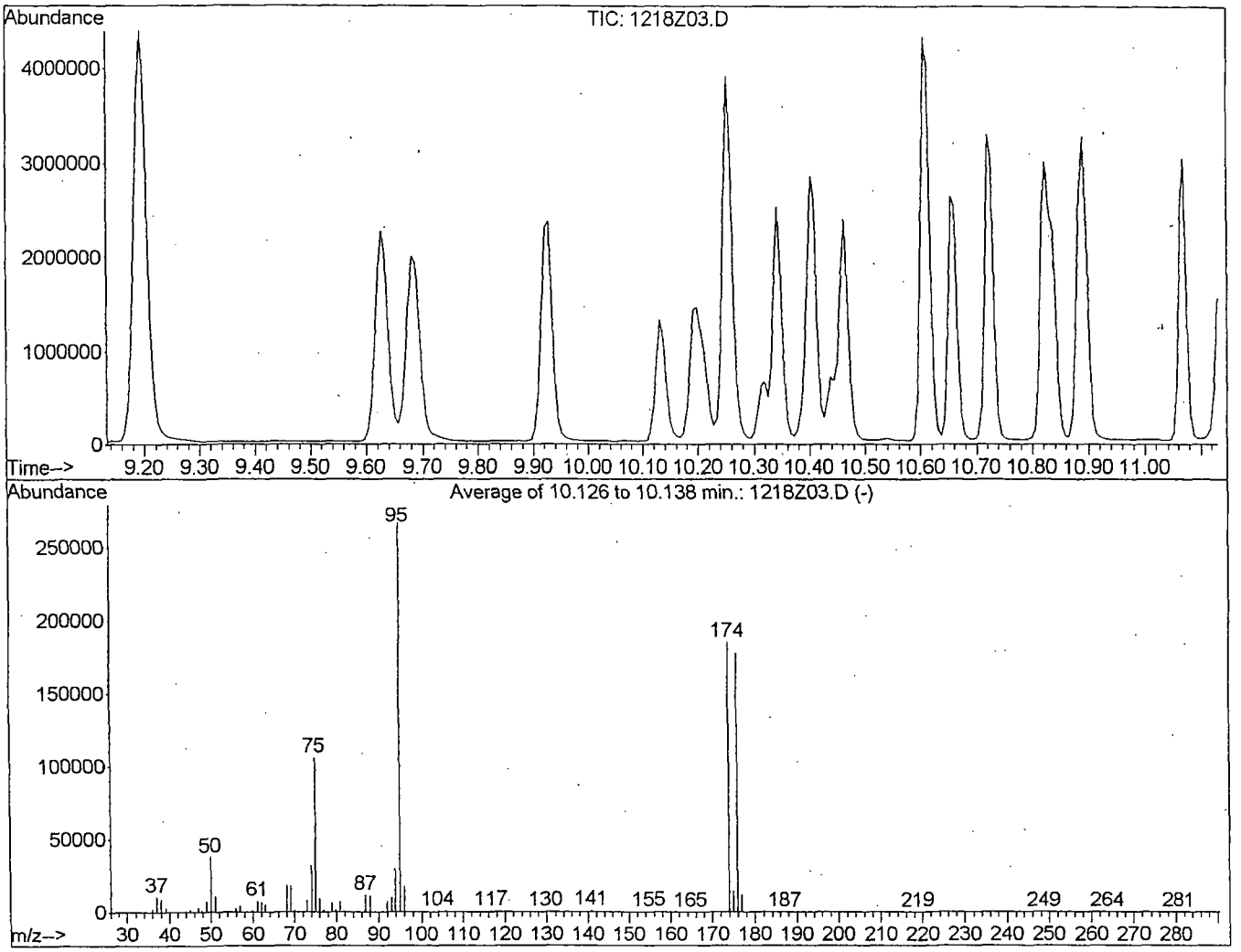
Average of 10.131 to 10.143 min.: 1214Z05.D
VSTD005
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 175.90 | 13829 | | | | | | |
| 176.85 | 861 | | | | | | |
| 218.90 | 99 | | | | | | |

# BFB Tune Evaluation

Data File : C:\DATAZ\121806\1218Z03.D
Acq On : 18 Dec 2006 12:39
Sample : VSTD050
Misc :
MS Integration Params: RTEINT.P
Method : C:\DATAZ\Z121406.M (RTE Integrator)
Title : 8260 LIST Z

Vial: 3
Operator:
Inst : Inst_Z
Multiplr: 1.00




Peak Apex is scan: 1546 (10.13 min)
Average of 3 scans: 1545,1546,1547 minus background scan 1526 (10.01 min)

| Target Mass | Rel. to Mass | Lower Limit,% | Upper Limit,% | Rel. Abn,% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 8 | 40 | 14.2 | 37931 | PASS |
| 75 | 95 | 30 | 66 | 39.6 | 105592 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 266552 | PASS |
| 96 | 95 | 5 | 9 | 6.6 | 17508 | PASS |
| 173 | 174 | 0 | 2 | 0.0 | 0 | PASS |
| 174 | 95 | 50 | 120 | 69.5 | 185344 | PASS |
| 175 | 174 | 4 | 9 | 7.8 | 14373 | PASS |
| 176 | 174 | 93 | 101 | 96.3 | 178546 | PASS |
| 177 | 176 | 5 | 9 | 6.5 | 11600 | PASS |

**010110**

1218Z03.D Z121406.M Mon Dec 18 13:43:14 2006

Average of 10.126 to 10.138 min.: 1218Z03.D
VSTD050
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 36.00 | 1930 | 59.90 | 1431 | 78.85 | 6631 | 140.85 | 1359 |
| 37.00 | 10584 | 61.00 | 7663 | 79.85 | 1735 | 173.90 | 185344 |
| 38.00 | 8875 | 61.95 | 7029 | 80.85 | 7486 | 174.90 | 14373 |
| 39.00 | 3350 | 62.95 | 5274 | 81.80 | 1373 | 175.85 | 178546 |
| 45.00 | 1758 | 68.00 | 18397 | 86.85 | 11635 | 176.90 | 11600 |
| 47.00 | 3355 | 69.00 | 18252 | 87.90 | 11178 | | |
| 48.95 | 7729 | 72.95 | 8180 | 91.90 | 7312 | | |
| 50.00 | 37931 | 74.00 | 32003 | 92.95 | 10082 | | |
| 50.95 | 11050 | 75.00 | 105592 | 93.90 | 30012 | | |
| 55.90 | 2454 | 76.00 | 9197 | 94.95 | 266552 | | |
| 56.95 | 4727 | 76.95 | 1552 | 95.95 | 17508 | | |

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New Orleans Laboratory

# Report of Method Blank

*Pace Analytical Services, Inc.*
*1000 Riverbend Blvd. Suite F*
*St. Rose , LA 70087*

*Phone: 504.469.0333*
*Fax: 504.469.0555*
*LELAP # 02006*

**Lab ID:** 20490721

**Description:** 8260 VOAs Full List Water BLK **Project No.:** 2064976

**Method:** EPA 8260 **Batch:** 80059 **Units:** ug/L

**Prep Factor:** 1 **Leached:** **Prepared:** 18-Dec-06 **Analyzed:** 12/18/06 13:26 DET (1)

| CAS Number | Parameter | Dilution | Result | Qu | Reporting Limit |
|---|---|---|---|---|---|
| 67-64-1 | Acetone | 1 | ND | A11 | 10.0 |
| 107-02-8 | Acrolein | 1 | ND | | 20.0 |
| 107-13-1 | Acrylonitrile | 1 | ND | | 20.0 |
| 71-43-2 | Benzene | 1 | ND | | 5.00 |
| 108-86-1 | Bromobenzene | 1 | ND | | 5.00 |
| 75-27-4 | Bromodichloromethane | 1 | ND | | 5.00 |
| 75-25-2 | Bromoform | 1 | ND | | 5.00 |
| 74-83-9 | Bromomethane | 1 | ND | | 5.00 |
| 71-36-3 | n-Butanol | 1 | ND | | 200. |
| 78-93-3 | 2-Butanone (MEK) | 1 | ND | A11 | 10.0 |
| 104-51-8 | n-Butylbenzene | 1 | ND | | 5.00 |
| 135-98-8 | sec-Butylbenzene | 1 | ND | | 5.00 |
| 98-06-6 | tert-Butylbenzene | 1 | ND | | 5.00 |
| 75-15-0 | Carbon disulfide | 1 | ND | | 5.00 |
| 56-23-5 | Carbon tetrachloride | 1 | ND | | 5.00 |
| 108-90-7 | Chlorobenzene | 1 | ND | | 5.00 |
| 75-00-3 | Chloroethane | 1 | ND | | 5.00 |
| 110-75-8 | 2-Chloroethylvinyl ether | 1 | ND | | 20.0 |
| 67-66-3 | Chloroform | 1 | ND | | 5.00 |
| 74-87-3 | Chloromethane | 1 | ND | | 5.00 |
| 95-49-8 | 2-Chlorotoluene | 1 | ND | | 5.00 |
| 106-43-4 | 4-Chlorotoluene | 1 | ND | | 5.00 |
| 110-82-7 | Cyclohexane | 1 | ND | | 5.00 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 1 | ND | | 5.00 |
| 124-48-1 | Dibromochloromethane | 1 | ND | | 5.00 |
| 106-93-4 | 1,2-Dibromoethane (EDB) | 1 | ND | | 5.00 |
| 74-95-3 | Dibromomethane | 1 | ND | | 5.00 |
| 95-50-1 | 1,2-Dichlorobenzene | 1 | ND | | 5.00 |
| 541-73-1 | 1,3-Dichlorobenzene | 1 | ND | | 5.00 |
| 106-46-7 | 1,4-Dichlorobenzene | 1 | ND | | 5.00 |
| 110-57-6 | trans-1,4-Dichloro-2-butene | 1 | ND | | 5.00 |
| 75-71-8 | Dichlorodifluoromethane | 1 | ND | | 5.00 |
| 75-34-3 | 1,1-Dichloroethane | 1 | ND | | 5.00 |
| 107-06-2 | 1,2-Dichloroethane | 1 | ND | | 5.00 |
| 540-59-0 | 1,2-Dichloroethene (Total) | 1 | ND | | 10.0 |
| 75-35-4 | 1,1-Dichloroethene | 1 | ND | | 5.00 |

1/5/2007 10:15:10

ND denotes Not Detected at or above the reporting limit.
DF denotes Dilution Factor.
RL denotes sample Reporting Limit.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

*New Orleans Laboratory Certifications*
*Louisiana Dept. of Environmental Quality (LELAP) - 02006*
*Arkansas Dept. of Environmental Quality - 88-0681*
*Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023*
*Florida Dept. of Health (NELAC) - E87595*
*Kansas Dept. of Health Environment - E-10266*
*U.S. Dept. of Agriculture Foreign Soil Permit - S-47270*

# Report of Method Blank

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

**Lab ID:** 20490721

**Description:** 8260 VOAs Full List Water BLK **Project No.:** 2064976

**Method:** EPA 8260 **Batch:** 80059 **Units:** ug/L

**Prep Factor:** 1 **Leached:** **Prepared:** 18-Dec-06 **Analyzed:** 12/18/06 13:26 DET (1)

| CAS Number | Parameter | Dilution | Result | Qu | Reporting Limit |
|---|---|---|---|---|---|
| 156-59-2 | cis-1,2-Dichloroethene | 1 | ND | | 5.00 |
| 156-60-5 | trans-1,2-Dichloroethene | 1 | ND | | 5.00 |
| 78-87-5 | 1,2-Dichloropropane | 1 | ND | | 5.00 |
| 142-28-9 | 1,3-Dichloropropane | 1 | ND | | 5.00 |
| 594-20-7 | 2,2-Dichloropropane | 1 | ND | | 5.00 |
| 563-58-6 | 1,1-Dichloropropene | 1 | ND | | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropene | 1 | ND | | 5.00 |
| 10061-02-6 | trans-1,3-Dichloropropene | 1 | ND | | 5.00 |
| 100-41-4 | Ethylbenzene | 1 | ND | | 5.00 |
| 87-68-3 | Hexachloro-1,3-butadiene | 1 | ND | | 5.00 |
| 591-78-6 | 2-Hexanone | 1 | ND | | 10.0 |
| 74-88-4 | Iodomethane | 1 | ND | | 5.00 |
| 98-82-8 | Isopropylbenzene (Cumene) | 1 | ND | | 5.00 |
| 99-87-6 | p-Isopropyltoluene | 1 | ND | | 5.00 |
| 79-20-9 | Methyl acetate | 1 | ND | | 10.0 |
| 108-87-2 | Methylcyclohexane | 1 | ND | | 10.0 |
| 75-09-2 | Methylene chloride | 1 | ND | A11 | 5.00 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | 1 | ND | | 10.0 |
| 1634-04-4 | Methyl-tert-butyl ether | 1 | ND | | 5.00 |
| 103-65-1 | n-Propylbenzene | 1 | ND | | 5.00 |
| 100-42-5 | Styrene | 1 | ND | | 5.00 |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | 1 | ND | | 5.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1 | ND | | 5.00 |
| 127-18-4 | Tetrachloroethene | 1 | ND | | 5.00 |
| 108-88-3 | Toluene | 1 | ND | | 5.00 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1 | ND | | 5.00 |
| 71-55-6 | 1,1,1-Trichloroethane | 1 | ND | | 5.00 |
| 79-00-5 | 1,1,2-Trichloroethane | 1 | ND | | 5.00 |
| 79-01-6 | Trichloroethene | 1 | ND | | 5.00 |
| 75-69-4 | Trichlorofluoromethane | 1 | ND | | 5.00 |
| 96-18-4 | 1,2,3-Trichloropropane | 1 | ND | | 5.00 |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1 | ND | | 5.00 |
| 95-63-6 | 1,2,4-Trimethylbenzene | 1 | ND | | 5.00 |
| 108-67-8 | 1,3,5-Trimethylbenzene | 1 | ND | | 5.00 |
| 108-05-4 | Vinyl acetate | 1 | ND | | 10.0 |
| 75-01-4 | Vinyl chloride | 1 | ND | | 5.00 |

1/5/2007 10:15:10

ND denotes Not Detected at or above the reporting limit.
DF denotes Dilution Factor.
RL denotes sample Reporting Limit.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA050023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-41[illegible]

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New Orleans Laboratory

# Report of Method Blank

*Pace Analytical Services, Inc.*
*1000 Riverbend Blvd. Suite F*
*St. Rose , LA 70087*

*Phone: 504.469.0333*
*Fax: 504.469.0555*
*LELAP # 02006*

**Lab ID:** 20490721

**Description:** 8260 VOAs Full List Water BLK **Project No.:** 2064976

**Method:** EPA 8260 **Batch:** 80059 **Units:** ug/L

**Prep Factor:** 1 **Leached:** **Prepared:** 18-Dec-06 **Analyzed:** 12/18/06 13:26 DET (1)

| CAS Number | Parameter | Dilution | Result | Qu | Reporting Limit |
|---|---|---|---|---|---|
| | m&p-Xylene | 1 | ND | | 5.00 |
| 95-47-6 | o-Xylene | 1 | ND | | 5.00 |

74 compound(s) reported

ND denotes Not Detected at or above the reporting limit.
DF denotes Dilution Factor.
RL denotes sample Reporting Limit.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

1/5/2007 10:15:10

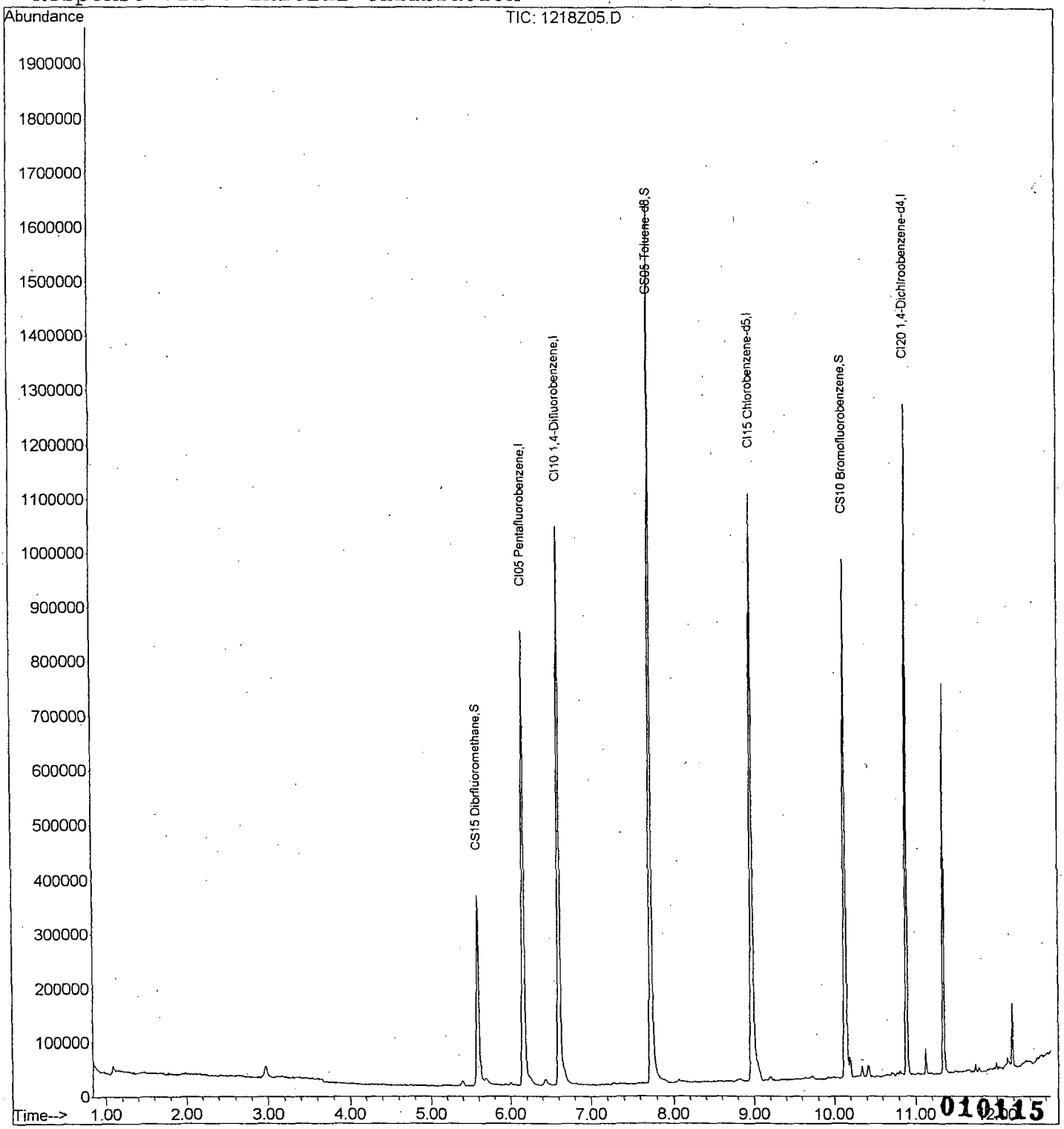
*New Orleans Laboratory Certifications*
*Louisiana Dept. of Environmental Quality (LELAP) - 02006*
*Arkansas Dept. of Environmental Quality - 88-0691*
*Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023*
*Florida Dept. of Health (NELAC) - E87595*
*Kansas Dept. of Health Environment - E-10266*
*U.S. Dept. of Agriculture Foreign Soil Permit - S-47[illegible]*

Quantitation Report

Data File : C:\DATAZ\121806\1218Z05.D
Acq On : 18 Dec 2006 13:26
Sample : 204XXXXX/B
Misc : 79944 1:1 WAT/5.0mL
MS Integration Params: RTEINT.P
Quant Time: Dec 18 13:44 2006

Vial: 5
Operator:
Inst : Inst_Z
Multiplr: 1.00
Quant Results File: Z121406.RES

Method : C:\DATAZ\Z121406.M (RTE Integrator)
Title : 8260 LIST Z
Last Update : Mon Dec 18 13:44:07 2006
Response via : Initial Calibration




010115

Data File : C:\DATAZ\121806\1218Z05.D Vial: 5
Acq On : 18 Dec 2006 13:26 Operator:
Sample : 204XXXXX/B Inst : Inst_Z
Misc : 79944 1:1 WAT/5.0mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 18 13:44 2006 Quant Results File: Z121406.RES

Quant Method : C:\DATAZ\Z121406.M (RTE Integrator)
Title : 8260 LIST Z
Last Update : Mon Dec 18 13:44:07 2006
Response via : Initial Calibration
DataAcq Meth : ZVOAGC2
IS QA File : C:\DATAZ\121806\1218Z03.D (18 Dec 2006 12:39)

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) / Rcv(Ar ) |
|---|---|---|---|---|---|---|
| 1) CI05 Pentafluorobenzene | 6.16 | 99 | 377649 | 50.00 | ppb | 0.00 / 84.40% |
| 37) CI10 1,4-Difluorobenzene | 6.61 | 114 | 817819 | 50.00 | ppb | 0.00 / 83.41% |
| 57) CI15 Chlorobenzene-d5 | 8.98 | 82 | 470932 | 50.00 | ppb | 0.00 / 86.38% |
| 70) CI20 1,4-Dichlroobenzene-d | 10.89 | 152 | 222329 | 50.00 | ppb | 0.00 / 68.86% |
| **System Monitoring Compounds** | | | | | | |
| 35) CS15 Dibrfluoromethane | 5.59 | 113 | 224704 | 51.30 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 68 - 124 | | Recovery = 102.60% | | | |
| 54) CS05 Toluene-d8 | 7.73 | 98 | 1018944 | 51.05 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 74 - 122 | | Recovery = 102.10% | | | |
| 73) CS10 Bromofluorobenzene | 10.14 | 176 | 228106 | 47.97 | ppb | -0.01 |
| Spiked Amount 50.000 | Range 71 - 129 | | Recovery = 95.94% | | | |

Target Compounds Qvalue

010116

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

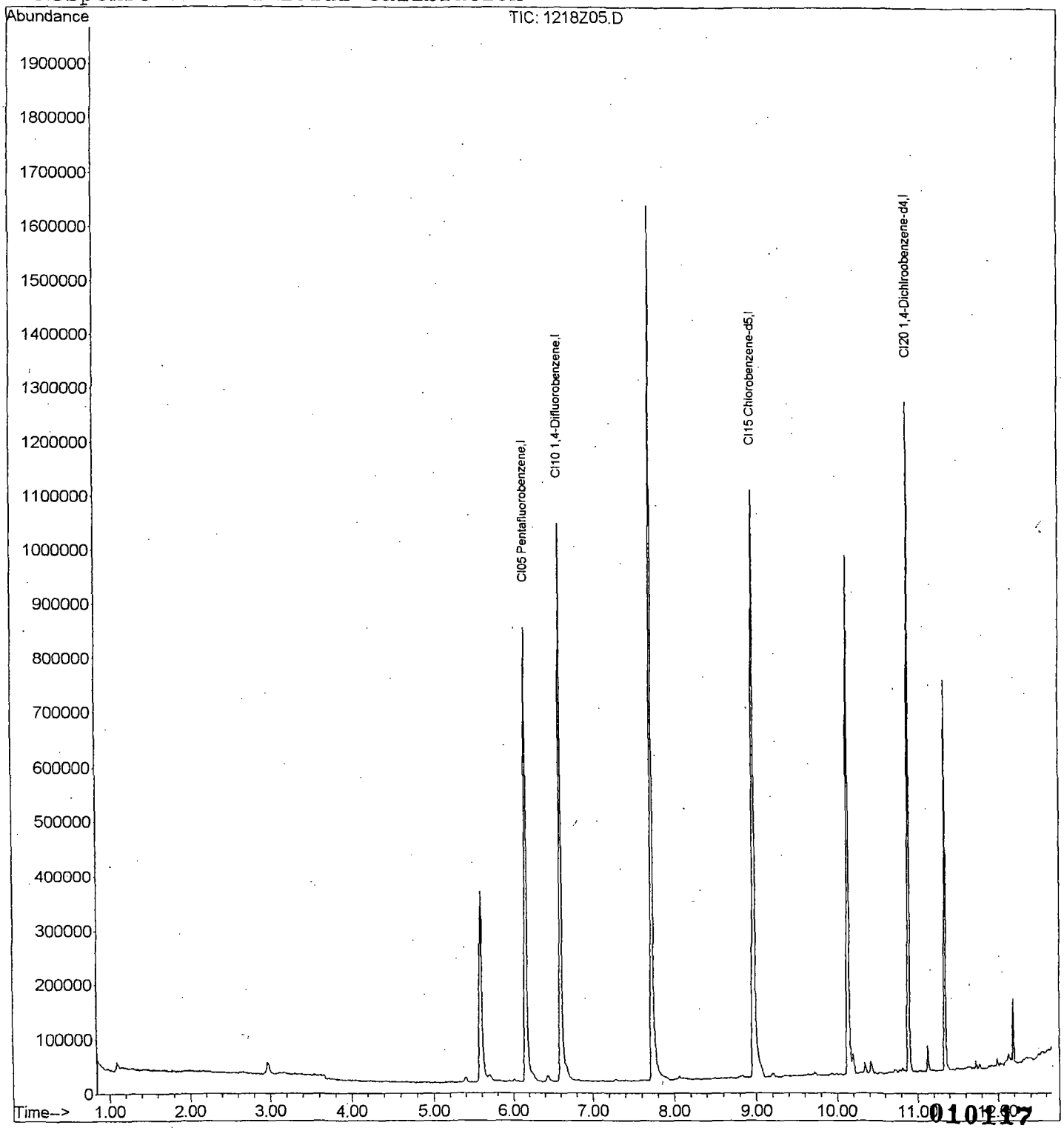
Quantitation Report

Data File : C:\DATAZ\121806\1218Z05.D
Acq On : 18 Dec 2006 13:26
Sample : 204XXXXX/B
Misc : 79944 1:1 WAT/5.0mL
MS Integration Params: RTEENT.P
Quant Time: Dec 18 13:51 2006

Vial: 5
Operator:
Inst : Inst_Z
Multiplr: 1.00

Quant Results File: SCZ1025.RES

Method : C:\DATAZ\SCZ1025.M (RTE Integrator)
Title : Special VOAs - Z
Last Update : Mon Dec 18 13:50:56 2006
Response via : Initial Calibration




010197

Data File : C:\DATAZ\121806\1218Z05.D Vial: 5
Acq On : 18 Dec 2006 13:26 Operator:
Sample : 204XXXXX/B Inst : Inst_Z
Misc : 79944 1:1 WAT/5.0mL Multiplr: 1.00
MS Integration Params: RTEENT.P
Quant Time: Dec 18 13:51 2006 Quant Results File: SCZ1025.RES

Quant Method : C:\DATAZ\SCZ1025.M (RTE Integrator)
Title : Special VOAs - Z
Last Update : Mon Dec 18 13:50:56 2006
Response via : Initial Calibration
DataAcq Meth : ZVOAGC2
IS QA File : C:\DATAZ\121806\1218Z04.D (18 Dec 2006 13:07)

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) Rcv(Ar ) |
|---|---|---|---|---|---|---|
| 1) CI05 Pentafluorobenzene | 6.16 | 99 | 377649 | 50.00 | ppb | -0.06 88.57% |
| 8) CI10 1,4-Difluorobenzene | 6.61 | 114 | 817819 | 50.00 | ppb | -0.05 87.52% |
| 15) CI15 Chlorobenzene-d5 | 8.98 | 82 | 470932 | 50.00 | ppb | -0.05 93.39% |
| 18) CI20 1,4-Dichlroobenzene-d | 10.89 | 152 | 222348 | 50.00 | ppb | -0.03 87.03% |

System Monitoring Compounds

Target Compounds Qvalue

010118

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

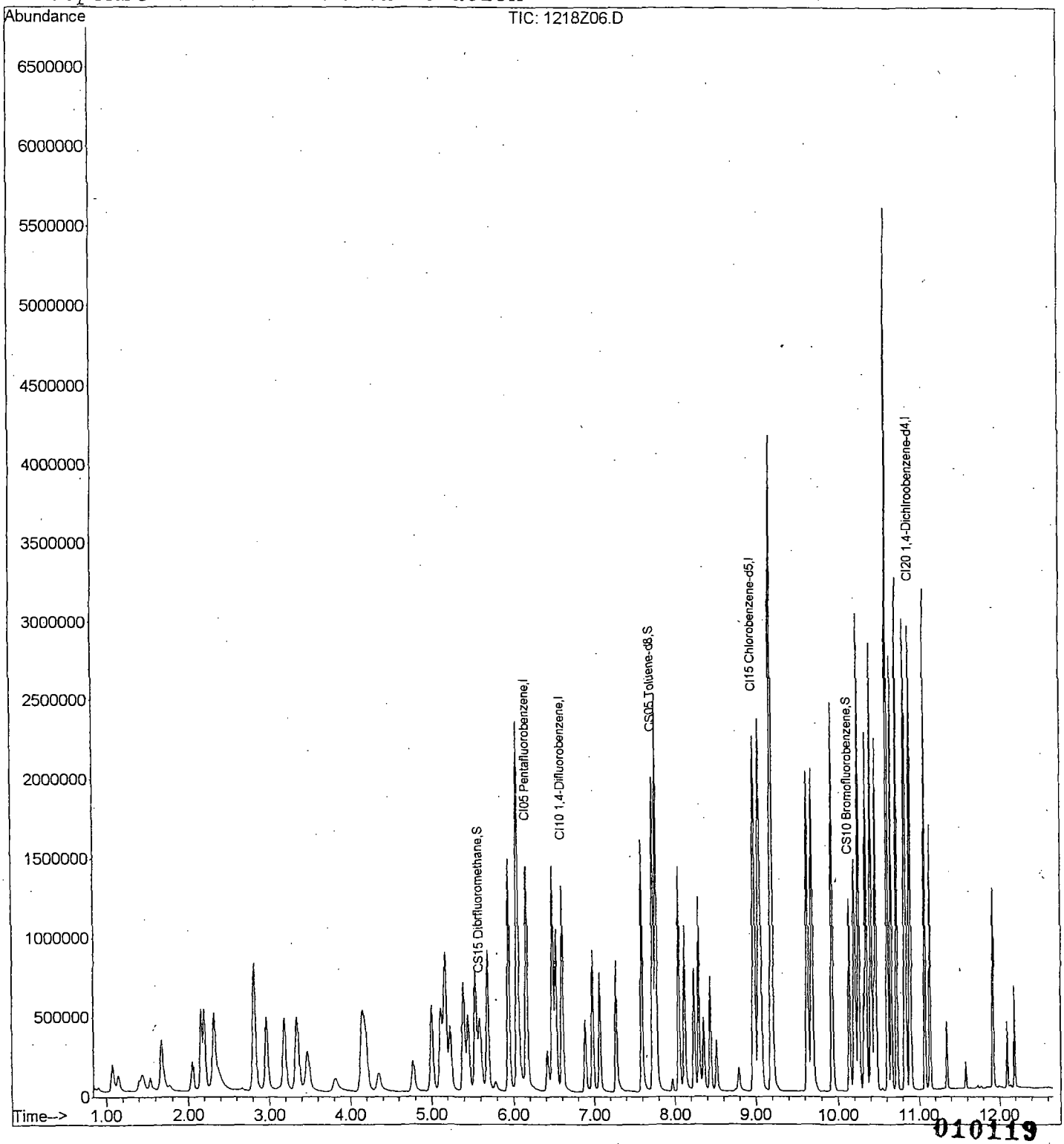
Quantitation Report

Data File : C:\DATAZ\121806\1218Z06.D
Acq On : 18 Dec 2006 13:45
Sample : 204XXXXX/S
Misc : 79944 1:1 WAT/5.0mL
MS Integration Params: RTEINT.P
Quant Time: Dec 18 13:59 2006

Vial: 6
Operator:
Inst : Inst_Z
Multiplr: 1.00

Quant Results File: Z121406.RES

Method : C:\DATAZ\Z121406.M (RTE Integrator)
Title : 8260 LIST Z
Last Update : Mon Dec 18 13:44:07 2006
Response via : Initial Calibration




010119

Data File : C:\DATAZ\121806\1218Z06.D Vial: 6
Acq On : 18 Dec 2006 13:45 Operator:
Sample : 204XXXXX/S Inst : Inst_Z
Misc : 79944 1:1 WAT/5.0mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 18 13:59 2006 Quant Results File: Z121406.RES

Quant Method : C:\DATAZ\Z121406.M (RTE Integrator)
Title : 8260 LIST Z
Last Update : Mon Dec 18 13:44:07 2006
Response via : Initial Calibration
DataAcq Meth : ZVOAGC2
IS QA File : C:\DATAZ\121806\1218Z03.D (18 Dec 2006 12:39)

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) Rcv(Ar ) |
|---|---|---|---|---|---|
| 1) CI05 Pentafluorobenzene | 6.16 | 99 | 436217 | 50.00 ppb | -0.01 97.49% |
| 37) CI10 1,4-Difluorobenzene | 6.60 | 114 | 939479 | 50.00 ppb | 0.00 95.81% |
| 57) CI15 Chlorobenzene-d5 | 8.97 | 82 | 520665 | 50.00 ppb | 0.00 95.50% |
| 70) CI20 1,4-Dichlroobenzene-d | 10.89 | 152 | 297972 | 50.00 ppb | 0.00 92.29% |
| **System Monitoring Compounds** | | | | | |
| 35) CS15 Dibrfluoromethane | 5.59 | 113 | 247839 | 48.98 ppb | -0.01 |
| Spiked Amount 50.000 | Range 68 - 124 | | Recovery = 97.96% | | |
| 54) CS05 Toluene-d8 | 7.73 | 98 | 1167177 | 50.91 ppb | 0.00 |
| Spiked Amount 50.000 | Range 74 - 122 | | Recovery = 101.82% | | |
| 73) CS10 Bromofluorobenzene | 10.14 | 176 | 272320 | 42.73 ppb | 0.00 |
| Spiked Amount 50.000 | Range 71 - 129 | | Recovery = 85.46% | | |
| **Target Compounds** | | | | | Qvalue |
| 2) C010 Chloromethane | 1.06 | 50 | 186998 | 42.91 ppb | 99 |
| 3) C020 Vinyl chloride | 1.14 | 62 | 152782 | 50.04 ppb | 92 |
| 4) C015 Bromomethane | 1.44 | 94 | 185481 | 41.48 ppb | 100 |
| 5) C025 Chloroethane | 1.53 | 64 | 111753 | 64.07 ppb | 99 |
| 6) D805 Dichldiflmethane | 0.91 | 85 | 25342 | 33.78 ppb | 100 |
| 7) D010 Trichlflmethane | 1.67 | 101 | 450602 | 48.49 ppb | 99 |
| 8) E123 1,1,2-Trichlorotriflu | 2.32 | 101 | 316531 | 40.75 ppb | 99 |
| 9) D015 Acrolein | 2.66 | 56 | 15615 | 67.94 ppb | 70 |
| 10) C035 Acetone | 3.12 | 43 | 43312 | 78.65 ppb | 93 |
| 11) C045 1,1-Dichloroethene | 2.20 | 96 | 314338 | 49.24 ppb # | 51 |
| 12) XS12 Hexane | 3.34 | 57 | 318944m | 50.57 ppb # | 83 |
| 13) D020 Acetonitrile | 2.81 | 41 | 825292 | 1060.58 ppb | 95 |
| 14) F010 Methylacetate | 3.35 | 74 | 23309 | 57.42 ppb | 100 |
| 15) D030 Iodomethane | 2.32 | 142 | 475013 | 44.72 ppb | 86 |
| 16) D025 Allyl chloride | 2.81 | 76 | 303480 | 93.17 ppb # | 70 |
| 17) C030 Methylene chloride | 2.96 | 84 | 358829 | 42.29 ppb # | 76 |
| 18) C040 Carbon disulfide | 2.16 | 76 | 792686 | 49.31 ppb | 97 |
| 19) D810 MTBE | 3.47 | 73 | 478856 | 64.34 ppb | 100 |
| 20) C009 Acrylonitrile | 4.34 | 53 | 172136 | 208.48 ppb | 85 |
| 21) C053 t-1,2-Dichlethene | 3.19 | 96 | 372079 | 47.96 ppb # | 60 |
| 22) C050 1,1-Dichloroethane | 4.19 | 63 | 531038 | 50.99 ppb | 97 |

010120

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

Data File : C:\DATAZ\121806\1218Z06.D Vial: 6
Acq On : 18 Dec 2006 13:45 Operator:
Sample : 204XXXXX/S Inst : Inst_Z
Misc : 79944 1:1 WAT/5.0mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 18 13:59 2006 Quant Results File: Z121406.RES

Quant Method : C:\DATAZ\Z121406.M (RTE Integrator)
Title : 8260 LIST Z
Last Update : Mon Dec 18 13:44:07 2006
Response via : Initial Calibration
DataAcq Meth : ZVOAGC2

| Compound | R.T. | QIon | Response | Conc | Unit | | Qvalue |
|---|---|---|---|---|---|---|---|
| 23) C125 Vinyl acetate | 4.77 | 43 | 431602 | 99.53 | ppb | | 91 |
| 24) D309 Chloroprene | 4.15 | 88 | 335053 | 46.53 | ppb | | 100 |
| 25) C110 2-Butanone | 5.78 | 43 | 80938 | 73.59 | ppb | | 94 |
| 26) E100 Ethyl cyanide | 6.04 | 54 | 232020 | 845.54 | ppb | | 96 |
| 27) C054 c-1,2-Dichlethene | 5.00 | 96 | 356073 | 45.65 | ppb | # | 86 |
| 28) B060 22-Dichloropropane | 5.12 | 77 | 496785 | 50.81 | ppb | | 98 |
| 29) C060 Chloroform | 5.39 | 83 | 670679 | 50.52 | ppb | | 94 |
| 30) E114 Methacrylonitrile | 6.05 | 41 | 1411064 | 855.69 | ppb | | 93 |
| 31) C007 Isobutyl alcohol | 6.42 | 43 | 169130 | 1672.55 | ppb | | 87 |
| 32) B070 Bromochloromethane | 5.23 | 128 | 99594 | 52.30 | ppb | | 94 |
| 33) B075 111-Trichlorethane | 5.54 | 97 | 565655 | 48.76 | ppb | | 92 |
| 34) F012 Cyclohexane | 5.17 | 84 | 552393 | 45.42 | ppb | # | 75 |
| 36) X103 Tetrahydrofuran | 5.54 | 42 | 102882 | 153.59 | ppb | | 95 |
| 38) C065 1,2-Dichloroethane | 6.16 | 62 | 258021 | 58.45 | ppb | | 99 |
| 39) C120 Carbon tetrachlori | 5.45 | 117 | 342768 | 51.97 | ppb | | 91 |
| 40) B115 11-Dichloropropene | 5.68 | 75 | 506174 | 51.41 | ppb | | 97 |
| 41) C165 Benzene | 5.94 | 78 | 1422105 | 48.37 | ppb | | 99 |
| 42) C150 Trichloroethene | 6.52 | 130 | 251034 | 47.59 | ppb | # | 44 |
| 43) F013 Methylcyclohexane | 6.48 | 83 | 635418 | 46.78 | ppb | # | 84 |
| 44) C140 12-Dichloropropane | 6.97 | 63 | 284592 | 54.55 | ppb | | 95 |
| 45) E116 Methyl methacrylate | 7.27 | 41 | 366201 | 152.29 | ppb | | 96 |
| 46) C130 Bromodiclmethane | 7.06 | 83 | 465788 | 50.97 | ppb | | 100 |
| 47) D040 Dibromomethane | 6.88 | 93 | 169490 | 54.04 | ppb | | 96 |
| 48) C251 1,4-Dioxane | 7.27 | 88 | 42297 | 1375.37 | ppb | | 79 |
| 49) C175 2-Chloroethvinylet | 7.59 | 63 | 251287 | 274.34 | ppb | | 95 |
| 50) C143 c-1,3-Dichlpropene | 7.59 | 75 | 507109 | 58.28 | ppb | | 100 |
| 51) C172 t-1,3-Dichlpropene | 8.12 | 75 | 400234 | 59.21 | ppb | | 98 |
| 52) E112 Ethyl methacrylate | 8.29 | 69 | 524763 | 131.00 | ppb | | 91 |
| 53) B130 Toluene | 7.77 | 91 | 1548509 | 47.31 | ppb | | 97 |
| 55) C160 112-Trichlorethane | 8.24 | 97 | 221363 | 55.57 | ppb | | 90 |
| 56) B155 1,2-Dibromoethane | 8.51 | 107 | 200231 | 61.48 | ppb | | 96 |
| 58) B140 13-Dichloropropane | 8.44 | 76 | 408964 | 51.47 | ppb | | 95 |
| 59) C155 Chlorodibrmethane | 8.36 | 129 | 165630 | 47.89 | ppb | | 99 |
| 60) C180 Bromoform | 9.68 | 173 | 152635 | 51.45 | ppb | | 95 |
| 61) C205 4-Methyl2pentanone | 8.12 | 43 | 191168 | 71.30 | ppb | | 97 |
| 62) C210 2-Hexanone | 8.79 | 43 | 114971 | 66.95 | ppb | | 99 |
| 63) C220 Tetrachloroethene | 8.05 | 164 | 307642 | 43.51 | ppb | | 98 |
| 64) C235 Chlorobenzene | 8.99 | 112 | 794667 | 45.58 | ppb | | 98 |
| 65) C008 1112-Tetraclethane | 9.07 | 131 | 195201 | 46.09 | ppb | | 92 |
| 66) C240 Ethylbenzene | 9.04 | 91 | 1771792 | 43.53 | ppb | | 94 |
| 67) C250 m-p-Xylene | 9.19 | 106 | 1215145 | 87.82 | ppb | # | 85 |

010121

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

Data File : C:\DATAZ\121806\1218Z06.D Vial: 6
Acq On : 18 Dec 2006 13:45 Operator:
Sample : 204XXXXX/S Inst : Inst_Z
Misc : 79944 1:1 WAT/5.0mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 18 13:59 2006 Quant Results File: Z121406.RES

Quant Method : C:\DATAZ\Z121406.M (RTE Integrator)
Title : 8260 LIST Z
Last Update : Mon Dec 18 13:44:07 2006
Response via : Initial Calibration
DataAcq Meth : ZVOAGC2

| | Compound | R.T. | QIon | Response | Conc | Unit | | Qvalue |
|---|---|---|---|---|---|---|---|---|
| 68) | C250 o-Xylene | 9.63 | 106 | 553403 | 43.20 | ppb | # | 75 |
| 69) | C245 Styrene | 9.69 | 104 | 899210 | 48.17 | ppb | | 98 |
| 71) | B195 Isopropylbenzene | 9.93 | 105 | 1513752 | 43.89 | ppb | | 89 |
| 72) | C225 1122-Tetraclethane | 10.32 | 83 | 258383 | 50.00 | ppb | | 95 |
| 74) | B210 Bromobenzene | 10.20 | 156 | 284368 | 43.76 | ppb | | 96 |
| 75) | D055 1,2,3-Triclpropane | 10.40 | 110 | 62885 | 52.66 | ppb | | 98 |
| 76) | B215 n-Propylbenzene | 10.25 | 91 | 2029291 | 41.93 | ppb | | 85 |
| 77) | B220 2-Chlorotoluene | 10.34 | 91 | 1127198 | 38.40 | ppb | | 78 |
| 78) | B230 1,3,5-Trimebenzene | 10.41 | 105 | 1162047 | 42.82 | ppb | | 87 |
| 79) | B225 4-Chlorotoluene | 10.46 | 91 | 1107007 | 41.69 | ppb | | 82 |
| 80) | E118 Pentachloroethane | 10.61 | 167 | 409763 | 86.58 | ppb | # | 79 |
| 81) | B240 tert-Butylbenzene | 10.61 | 119 | 1191212 | 48.90 | ppb | | 90 |
| 82) | B235 1,2,4-Trimebenzene | 10.66 | 105 | 1105947 | 43.04 | ppb | | 88 |
| 83) | B245 sec-Butylbenzene | 10.73 | 105 | 1612034 | 41.92 | ppb | | 89 |
| 84) | B255 4-Isopropyltoluene | 10.82 | 119 | 1003985 | 41.58 | ppb | | 95 |
| 85) | D070 t-1,4Dicl-2-butene | 10.21 | 88 | 179513 | 103.43 | ppb | | 100 |
| 86) | C252 1,3-Dichlorobenzen | 10.83 | 146 | 467045 | 41.23 | ppb | | 96 |
| 87) | C254 1,4-Dichlorobenzen | 10.90 | 146 | 449551 | 42.03 | ppb | | 99 |
| 88) | C253 1,2-Dichlorobenzen | 11.14 | 146 | 382230 | 42.22 | ppb | | 98 |
| 89) | B250 n-Butylbenzene | 11.07 | 91 | 1158543 | 43.93 | ppb | | 94 |
| 90) | D060 1,2-Dibr3chlpropan | 11.58 | 75 | 25196 | 53.18 | ppb | | 98 |
| 91) | B290 1,2,4-Trichlbenzen | 11.93 | 180 | 160632 | 36.90 | ppb | | 99 |
| 92) | B280 Hexachlorobutadien | 11.92 | 225 | 61561 | 37.75 | ppb | | 100 |
| 93) | B285 Naphthalene | 12.09 | 128 | 150488 | 41.08 | ppb | | 100 |
| 94) | B295 1,2,3-Trichlbenzen | 12.18 | 180 | 117063 | 37.25 | ppb | | 96 |

010122

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

Pace Analytical™
www.pacelabs.com

**VOLATILE**

**SAMPLE DATA**

**SDG: 2064976**

Pace Analytical®
New Orleans Laboratory

# Report of Laboratory Analysis

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

**Client:** EA Engineering,Science &Tech

**Client ID:** 2WSW6-EPA
**Site:** None
**Project:** Gulfco Marine Superfund Site
**Project No.:** 2064976
**Sample Qu:**
**Lab ID:** 20489238
**Matrix:** Water
**% Moisture:** n/a
**Description:** None
**Prep Level:** Water
**Batch:** 80059
**Method:** 8260 VOAs Full List Water
**Units:** ug/L
**Target List:** 826F_WL20
**Collected:** 12/06/06
**Received:** 12/08/06
**Prep Factor:** 1
**Prepared:** 12/18/06
**Analyzed:** 12/18/06 15:48 RMP (1)

| CAS Number | Parameter | Dilution | Result | Qu | Adjusted MDL | Reporting Limit | Reg. Limit |
|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | 1 | ND | A11 | 5.90 | 10.0 | |
| 107-02-8 | Acrolein – R | 1 | ND | | 9.10 | 20.0 | |
| 107-13-1 | Acrylonitrile | 1 | ND | | 4.90 | 20.0 | |
| 71-43-2 | Benzene | 1 | ND | | 0.117 | 5.00 | |
| 108-86-1 | Bromobenzene | 1 | ND | | 0.156 | 5.00 | |
| 75-27-4 | Bromodichloromethane | 1 | ND | | 0.206 | 5.00 | |
| 75-25-2 | Bromoform | 1 | ND | | 0.259 | 5.00 | |
| 74-83-9 | Bromomethane | 1 | ND | | 1.94 | 5.00 | |
| 71-36-3 | n-Butanol | 1 | ND | | | 200. | |
| 78-93-3 | 2-Butanone (MEK) – UJ | 1 | ND | A11 | 2.25 | 10.0 | |
| 104-51-8 | n-Butylbenzene | 1 | ND | | 0.0819 | 5.00 | |
| 135-98-8 | sec-Butylbenzene | 1 | ND | | 0.0410 | 5.00 | |
| 98-06-6 | tert-Butylbenzene | 1 | ND | | 0.0660 | 5.00 | |
| 75-15-0 | Carbon disulfide | 1 | ND | | 0.257 | 5.00 | |
| 56-23-5 | Carbon tetrachloride | 1 | ND | | 0.592 | 5.00 | |
| 108-90-7 | Chlorobenzene | 1 | ND | | 0.119 | 5.00 | |
| 75-00-3 | Chloroethane | 1 | ND | | 0.647 | 5.00 | |
| 110-75-8 | 2-Chloroethylvinyl ether – R | 1 | ND | | 1.11 | 20.0 | |
| 67-66-3 | Chloroform | 1 | ND | | 0.479 | 5.00 | |
| 74-87-3 | Chloromethane | 1 | ND | | 0.305 | 5.00 | |
| 95-49-8 | 2-Chlorotoluene – UJ CCV | 1 | ND | | 0.0906 | 5.00 | |
| 106-43-4 | 4-Chlorotoluene | 1 | ND | | 0.0916 | 5.00 | |
| 110-82-7 | Cyclohexane | 1 | ND | | 0.464 | 5.00 | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 1 | ND | | 1.22 | 5.00 | |
| 124-48-1 | Dibromochloromethane | 1 | ND | | 0.145 | 5.00 | |
| 106-93-4 | 1,2-Dibromoethane (EDB) | 1 | ND | | 0.669 | 5.00 | |
| 74-95-3 | Dibromomethane | 1 | ND | | 1.39 | 5.00 | |
| 95-50-1 | 1,2-Dichlorobenzene | 1 | ND | | 0.115 | 5.00 | |
| 541-73-1 | 1,3-Dichlorobenzene | 1 | ND | | 0.0894 | 5.00 | |
| 106-46-7 | 1,4-Dichlorobenzene | 1 | ND | | 0.139 | 5.00 | |
| 110-57-6 | trans-1,4-Dichloro-2-butene | 1 | ND | | 1.86 | 5.00 | |
| 75-71-8 | Dichlorodifluoromethane – UJ | 1 | ND | | 0.818 | 5.00 | |
| 75-34-3 | 1,1-Dichloroethane | 1 | ND | | 0.515 | 5.00 | |

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of extract. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit denotes an actual regulatory limit or a client-requested notification limit.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

1/5/2007 10:15:00

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Pace Analytical®
New Orleans Laboratory

# Report of Laboratory Analysis

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

**Client:** EA Engineering,Science &Tech

**Client ID:** 2WSW6-EPA
**Site:** None
**Project:** Gulfco Marine Superfund Site
**Project No.:** 2064976
**Sample Qu:**
**Lab ID:** 20489238
**Matrix:** Water
**% Moisture:** n/a
**Description:** None
**Prep Level:** Water
**Batch:** 80059
**Method:** 8260 VOAs Full List Water
**Units:** ug/L
**Target List:** 826F_WL20
**Collected:** 12/06/06
**Received:** 12/08/06
**Prep Factor:** 1
**Prepared:** 12/18/06
**Analyzed:** 12/18/06 15:48 RMP (1)

| CAS Number | Parameter | Dilution | Result | Qu | Adjusted MDL | Reporting Limit | Reg. Limit |
|---|---|---|---|---|---|---|---|
| 107-06-2 | 1,2-Dichloroethane | 1 | ND | | 0.212 | 5.00 | |
| 540-59-0 | 1,2-Dichloroethene (Total) | 1 | ND | | 0.839 | 10.0 | |
| 75-35-4 | 1,1-Dichloroethene | 1 | ND | | 0.493 | 5.00 | |
| 156-59-2 | cis-1,2-Dichloroethene | 1 | ND | | 0.394 | 5.00 | |
| 156-60-5 | trans-1,2-Dichloroethene | 1 | ND | | 0.733 | 5.00 | |
| 78-87-5 | 1,2-Dichloropropane | 1 | ND | | 0.328 | 5.00 | |
| 142-28-9 | 1,3-Dichloropropane | 1 | ND | | 0.239 | 5.00 | |
| 594-20-7 | 2,2-Dichloropropane | 1 | ND | | 0.855 | 5.00 | |
| 563-58-6 | 1,1-Dichloropropene | 1 | ND | | 0.342 | 5.00 | |
| 10061-01-5 | cis-1,3-Dichloropropene | 1 | ND | | 0.0869 | 5.00 | |
| 10061-02-6 | trans-1,3-Dichloropropene | 1 | ND | | 0.216 | 5.00 | |
| 87-68-3 | Hexachloro-1,3-butadiene | 1 | ND | | 0.246 | 5.00 | |
| 591-78-6 | 2-Hexanone | 1 | ND | | 0.468 | 10.0 | |
| 74-88-4 | Iodomethane | 1 | ND | | 0.621 | 5.00 | |
| 98-82-8 | Isopropylbenzene (Cumene) | 1 | ND | | 0.0368 | 5.00 | |
| 99-87-6 | p-Isopropyltoluene | 1 | ND | | 0.0504 | 5.00 | |
| 79-20-9 | Methyl acetate – R | 1 | ND | | 2.47 | 10.0 | |
| 108-87-2 | Methylcyclohexane | 1 | ND | | 1.60 | 10.0 | |
| 75-09-2 | Methylene chloride – UJ | 1 | ND | A11 | 0.710 | 5.00 | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | 1 | ND | | 0.872 | 10.0 | |
| 103-65-1 | n-Propylbenzene | 1 | ND | | 0.0768 | 5.00 | |
| 100-42-5 | Styrene | 1 | ND | | 0.0763 | 5.00 | |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | 1 | ND | | 0.291 | 5.00 | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1 | ND | | 0.238 | 5.00 | |
| 127-18-4 | Tetrachloroethene | 1 | ND | | 0.162 | 5.00 | |
| 108-88-3 | Toluene | 1 | ND | | 0.131 | 5.00 | |
| 100-41-4 | Ethylbenzene | 1 | ND | | 0.119 | 5.00 | |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1 | ND | | 0.254 | 5.00 | |
| 71-55-6 | 1,1,1-Trichloroethane | 1 | ND | | 0.609 | 5.00 | |
| 79-00-5 | 1,1,2-Trichloroethane | 1 | ND | | 0.328 | 5.00 | |
| 79-01-6 | Trichloroethene | 1 | ND | | 0.168 | 5.00 | |
| 75-69-4 | Trichlorofluoromethane | 1 | ND | | 1.57 | 5.00 | |
| 96-18-4 | 1,2,3-Trichloropropane | 1 | ND | | 1.49 | 5.00 | |

1/5/2007 10:15:00

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of extract. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit denotes an actual regulatory limit or a client-requested notification limit.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

*New Orleans Laboratory Certifications*
*Louisiana Dept. of Environmental Quality (LELAP) - 02006*
*Arkansas Dept. of Environmental Quality - 88-0681*
*Louisiana Dept. of Health and Hospitals / Drinking Water - LA050023*
*Florida Dept. of Health (NELAC) - E87595*
*Kansas Dept. of Health Environment - E-10266*
*U.S. Dept. of Agriculture Foreign Soil Permit - S-47270*

Pace Analytical
New Orleans Laboratory

# Report of Laboratory Analysis

**Pace Analytical Services, Inc.**
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

**Client:** EA Engineering,Science &Tech

**Client ID:** 2WSW6-EPA
**Site:** None
**Project:** Gulfco Marine Superfund Site
**Project No.:** 2064976
**Sample Qu:**
**Lab ID:** 20489238
**Matrix:** Water
**% Moisture:** n/a
**Description:** None
**Prep Level:** Water
**Batch:** 80059
**Method:** 8260 VOAs Full List Water
**Units:** ug/L
**Target List:** 826F_WL20
**Collected:** 12/06/06
**Received:** 12/08/06
**Prep Factor:** 1
**Prepared:** 12/18/06
**Analyzed:** 12/18/06 15:48 RMP(1)

| CAS Number | Parameter | Dilution | Result | Qu | Adjusted MDL | Reporting Limit | Reg. Limit |
|---|---|---|---|---|---|---|---|
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1 | ND | | 0.381 | 5.00 | |
| 95-63-6 | 1,2,4-Trimethylbenzene | 1 | ND | | 0.0844 | 5.00 | |
| 108-67-8 | 1,3,5-Trimethylbenzene | 1 | ND | | 0.0614 | 5.00 | |
| 108-05-4 | Vinyl acetate - UJ CCV | 1 | ND | | 0.686 | 10.0 | |
| 75-01-4 | Vinyl chloride - UJ CCV | 1 | ND | | 0.463 | 5.00 | |
| | m&p-Xylene | 1 | ND | | 0.151 | 5.00 | |
| 95-47-6 | o-Xylene | 1 | ND | | 0.142 | 5.00 | |
| 1634-04-4 | Methyl-tert-butyl ether | 1 | ND | | 0.381 | 5.00 | |

74 compound(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of extract. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit denotes an actual regulatory limit or a client-requested notification limit.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

1/5/2007 10:15:00

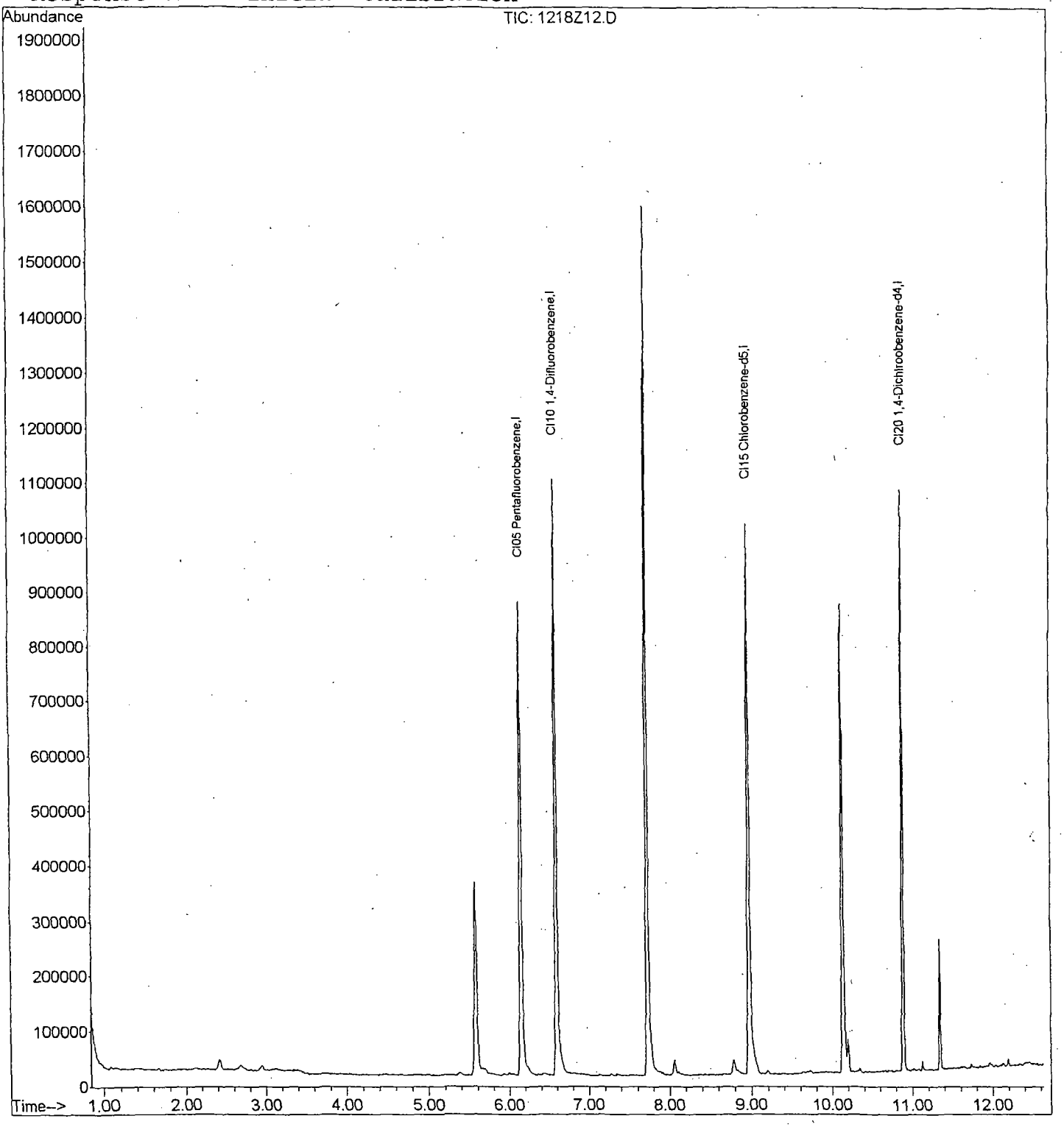
*New Orleans Laboratory Certifications*
*Louisiana Dept. of Environmental Quality (LELAP) - 02006*
*Arkansas Dept. of Environmental Quality - 88-0681*
*Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023*
*Florida Dept. of Health (NELAC) - E87595*
*Kansas Dept. of Health Environment - E-10266*
*U.S. Dept. of Agriculture Foreign Soil Permit - S-47270*

Quantitation Report

Data File : C:\DATAZ\121806\1218Z12.D
Acq On : 18 Dec 2006 15:48
Sample : 20489238
Misc : 80059 1:1 WAT/5.0mL
MS Integration Params: RTEENT.P
Quant Time: Dec 19 13:03 2006

Vial: 12
Operator:
Inst : Inst_Z
Multiplr: 1.00
Quant Results File: SCZ1025.RES

Method : C:\DATAZ\SCZ1025.M (RTE Integrator)
Title : Special VOAs - Z
Last Update : Mon Dec 18 13:50:56 2006
Response via : Initial Calibration






010021

Quantitation Report (QT Reviewed)

Data File : C:\DATAZ\121806\1218Z12.D Vial: 12
Acq On : 18 Dec 2006 15:48 Operator:
Sample : 20489238 Inst : Inst_Z
Misc : 80059 1:1 WAT/5.0mL Multiplr: 1.00
MS Integration Params: RTEENT.P
Quant Time: Dec 19 13:03 2006 Quant Results File: SCZ1025.RES

Quant Method : C:\DATAZ\SCZ1025.M (RTE Integrator)
Title : Special VOAs - Z
Last Update : Mon Dec 18 13:50:56 2006
Response via : Initial Calibration
DataAcq Meth : ZVOAGC2
IS QA File : C:\DATAZ\121806\1218Z04.D (18 Dec 2006 13:07)

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) Rcv(Ar ) |
|---|---|---|---|---|---|
| 1) CI05 Pentafluorobenzene | 6.15 | 99 | 397514 | 50.00 ppb | -0.07 93.23% |
| 8) CI10 1,4-Difluorobenzene | 6.60 | 114 | 839589 | 50.00 ppb | -0.06 89.85% |
| 15) CI15 Chlorobenzene-d5 | 8.97 | 82 | 443058 | 50.00 ppb | -0.05 87.87% |
| 18) CI20 1,4-Dichlroobenzene-d | 10.89 | 152 | 195588 | 50.00 ppb | -0.03 76.56% |

System Monitoring Compounds

Target Compounds Qvalue

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

010022

# Report of Laboratory Analysis

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087
Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Pace Analytical® New Orleans Laboratory

**Client:** EA Engineering,Science &Tech

**Client ID:** TRIP BLANK | **Site:** None

**Project:** Gulfco Marine Superfund Site | **Project No.:** 2064976 | **Sample Qu:**

**Lab ID:** 20489239 | **Matrix:** Water | **% Moisture:** n/a

**Description:** None | **Prep Level:** Water | **Batch:** 80059

**Method:** 8260 VOAs Full List Water | **Units:** ug/L | **Target List:** 826F_WL20

**Collected:** 12/06/06 | **Received:** 12/08/06

**Prep Factor:** 1 | **Prepared:** 12/18/06 | **Analyzed:** 12/18/06 16:08 RMP (1)

| CAS Number | Parameter | Dilution | Result | Qu | Adjusted MDL | Reporting Limit | Reg. Limit |
|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone | 1 | ND | A11 | 5.90 | 10.0 | |
| 107-02-8 | Acrolein | 1 | ND | | 9.10 | 20.0 | |
| 107-13-1 | Acrylonitrile | 1 | ND | | 4.90 | 20.0 | |
| 71-43-2 | Benzene | 1 | ND | | 0.117 | 5.00 | |
| 108-86-1 | Bromobenzene | 1 | ND | | 0.156 | 5.00 | |
| 75-27-4 | Bromodichloromethane | 1 | ND | | 0.206 | 5.00 | |
| 75-25-2 | Bromoform | 1 | ND | | 0.259 | 5.00 | |
| 74-83-9 | Bromomethane | 1 | ND | | 1.94 | 5.00 | |
| 71-36-3 | n-Butanol | 1 | ND | | | 200. | |
| 78-93-3 | 2-Butanone (MEK) | 1 | ND | A11 | 2.25 | 10.0 | |
| 104-51-8 | n-Butylbenzene | 1 | ND | | 0.0819 | 5.00 | |
| 135-98-8 | sec-Butylbenzene | 1 | ND | | 0.0410 | 5.00 | |
| 98-06-6 | tert-Butylbenzene | 1 | ND | | 0.0660 | 5.00 | |
| 75-15-0 | Carbon disulfide | 1 | ND | | 0.257 | 5.00 | |
| 56-23-5 | Carbon tetrachloride | 1 | ND | | 0.592 | 5.00 | |
| 108-90-7 | Chlorobenzene | 1 | ND | | 0.119 | 5.00 | |
| 75-00-3 | Chloroethane | 1 | ND | | 0.647 | 5.00 | |
| 110-75-8 | 2-Chloroethylvinyl ether | 1 | ND | | 1.11 | 20.0 | |
| 67-66-3 | Chloroform | 1 | ND | | 0.479 | 5.00 | |
| 74-87-3 | Chloromethane | 1 | ND | | 0.305 | 5.00 | |
| 95-49-8 | 2-Chlorotoluene | 1 | ND | | 0.0906 | 5.00 | |
| 106-43-4 | 4-Chlorotoluene | 1 | ND | | 0.0916 | 5.00 | |
| 110-82-7 | Cyclohexane | 1 | ND | | 0.464 | 5.00 | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 1 | ND | | 1.22 | 5.00 | |
| 124-48-1 | Dibromochloromethane | 1 | ND | | 0.145 | 5.00 | |
| 106-93-4 | 1,2-Dibromoethane (EDB) | 1 | ND | | 0.669 | 5.00 | |
| 74-95-3 | Dibromomethane | 1 | ND | | 1.39 | 5.00 | |
| 95-50-1 | 1,2-Dichlorobenzene | 1 | ND | | 0.115 | 5.00 | |
| 541-73-1 | 1,3-Dichlorobenzene | 1 | ND | | 0.0894 | 5.00 | |
| 106-46-7 | 1,4-Dichlorobenzene | 1 | ND | | 0.139 | 5.00 | |
| 110-57-6 | trans-1,4-Dichloro-2-butene | 1 | ND | | 1.86 | 5.00 | |
| 75-71-8 | Dichlorodifluoromethane | 1 | ND | | 0.818 | 5.00 | |
| 75-34-3 | 1,1-Dichloroethane | 1 | ND | | 0.515 | 5.00 | |

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of extract. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit denotes an actual regulatory limit or a client-requested notification limit.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

1/5/2007 10:15:00

*New Orleans Laboratory Certifications*
*Louisiana Dept. of Environmental Quality (LELAP) - 02006*
*Arkansas Dept. of Environmental Quality - 88-0681*
*Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023*
*Florida Dept. of Health (NELAC) - E87595*
*Kansas Dept. of Health Environment - E-10266*
*U.S. Dept. of Agriculture Foreign Soil Permit - S-47270*

# Report of Laboratory Analysis

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Pace Analytical® New Orleans Laboratory

**Client:** EA Engineering,Science &Tech

**Client ID:** TRIP BLANK | **Site:** None

**Project:** Gulfco Marine Superfund Site | **Project No.:** 2064976 | **Sample Qu:**

**Lab ID:** 20489239 | **Matrix:** Water | **% Moisture:** n/a

**Description:** None | **Prep Level:** Water | **Batch:** 80059

**Method:** 8260 VOAs Full List Water | **Units:** ug/L | **Target List:** 826F_WL20

**Collected:** 12/06/06 | **Received:** 12/08/06

**Prep Factor:** 1 | **Prepared:** 12/18/06 | **Analyzed:** 12/18/06 16:08 RMP (1)

| CAS Number | Parameter | Dilution | Result | Qu | Adjusted MDL | Reporting Limit | Reg. Limit |
|---|---|---|---|---|---|---|---|
| 107-06-2 | 1,2-Dichloroethane | 1 | ND | | 0.212 | 5.00 | |
| 540-59-0 | 1,2-Dichloroethene (Total) | 1 | ND | | 0.839 | 10.0 | |
| 75-35-4 | 1,1-Dichloroethene | 1 | ND | | 0.493 | 5.00 | |
| 156-59-2 | cis-1,2-Dichloroethene | 1 | ND | | 0.394 | 5.00 | |
| 156-60-5 | trans-1,2-Dichloroethene | 1 | ND | | 0.733 | 5.00 | |
| 78-87-5 | 1,2-Dichloropropane | 1 | ND | | 0.328 | 5.00 | |
| 142-28-9 | 1,3-Dichloropropane | 1 | ND | | 0.239 | 5.00 | |
| 594-20-7 | 2,2-Dichloropropane | 1 | ND | | 0.855 | 5.00 | |
| 563-58-6 | 1,1-Dichloropropene | 1 | ND | | 0.342 | 5.00 | |
| 10061-01-5 | cis-1,3-Dichloropropene | 1 | ND | | 0.0869 | 5.00 | |
| 10061-02-6 | trans-1,3-Dichloropropene | 1 | ND | | 0.216 | 5.00 | |
| 87-68-3 | Hexachloro-1,3-butadiene | 1 | ND | | 0.246 | 5.00 | |
| 591-78-6 | 2-Hexanone | 1 | ND | | 0.468 | 10.0 | |
| 74-88-4 | Iodomethane | 1 | ND | | 0.621 | 5.00 | |
| 98-82-8 | Isopropylbenzene (Cumene) | 1 | ND | | 0.0368 | 5.00 | |
| 99-87-6 | p-Isopropyltoluene | 1 | ND | | 0.0504 | 5.00 | |
| 79-20-9 | Methyl acetate | 1 | ND | | 2.47 | 10.0 | |
| 108-87-2 | Methylcyclohexane | 1 | ND | | 1.60 | 10.0 | |
| 75-09-2 | Methylene chloride | 1 | ND | A11 | 0.710 | 5.00 | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | 1 | ND | | 0.872 | 10.0 | |
| 103-65-1 | n-Propylbenzene | 1 | ND | | 0.0768 | 5.00 | |
| 100-42-5 | Styrene | 1 | ND | | 0.0763 | 5.00 | |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | 1 | ND | | 0.291 | 5.00 | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1 | ND | | 0.238 | 5.00 | |
| 127-18-4 | Tetrachloroethene | 1 | ND | | 0.162 | 5.00 | |
| 108-88-3 | Toluene | 1 | ND | | 0.131 | 5.00 | |
| 100-41-4 | Ethylbenzene | 1 | ND | | 0.119 | 5.00 | |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1 | ND | | 0.254 | 5.00 | |
| 71-55-6 | 1,1,1-Trichloroethane | 1 | ND | | 0.609 | 5.00 | |
| 79-00-5 | 1,1,2-Trichloroethane | 1 | ND | | 0.328 | 5.00 | |
| 79-01-6 | Trichloroethene | 1 | ND | | 0.168 | 5.00 | |
| 75-69-4 | Trichlorofluoromethane | 1 | ND | | 1.57 | 5.00 | |
| 96-18-4 | 1,2,3-Trichloropropane | 1 | ND | | 1.49 | 5.00 | |

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of extract. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit denotes an actual regulatory limit or a client-requested notification limit.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

1/5/2007 10:15:00

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47[illegible]

# Report of Laboratory Analysis

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Pace Analytical® New Orleans Laboratory

**Client:** EA Engineering,Science &Tech

**Client ID:** TRIP BLANK
**Site:** None
**Project:** Gulfco Marine Superfund Site
**Project No.:** 2064976
**Sample Qu:**
**Lab ID:** 20489239
**Matrix:** Water
**% Moisture:** n/a
**Description:** None
**Prep Level:** Water
**Batch:** 80059
**Method:** 8260 VOAs Full List Water
**Units:** ug/L
**Target List:** 826F_WL20
**Collected:** 12/06/06
**Received:** 12/08/06
**Prep Factor:** 1
**Prepared:** 12/18/06
**Analyzed:** 12/18/06 16:08 RMP (1)

| CAS Number | Parameter | Dilution | Result | Qu | Adjusted MDL | Reporting Limit | Reg. Limit |
|---|---|---|---|---|---|---|---|
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1 | ND | | 0.381 | 5.00 | |
| 95-63-6 | 1,2,4-Trimethylbenzene | 1 | ND | | 0.0844 | 5.00 | |
| 108-67-8 | 1,3,5-Trimethylbenzene | 1 | ND | | 0.0614 | 5.00 | |
| 108-05-4 | Vinyl acetate | 1 | ND | | 0.686 | 10.0 | |
| 75-01-4 | Vinyl chloride | 1 | ND | | 0.463 | 5.00 | |
| | m&p-Xylene | 1 | ND | | 0.151 | 5.00 | |
| 95-47-6 | o-Xylene | 1 | ND | | 0.142 | 5.00 | |
| 1634-04-4 | Methyl-tert-butyl ether | 1 | ND | | 0.381 | 5.00 | |

**74 compound(s) reported**

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of extract. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit denotes an actual regulatory limit or a client-requested notification limit.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

1/5/2007 10:15:00

*New Orleans Laboratory Certifications*
*Louisiana Dept. of Environmental Quality (LELAP) - 02006*
*Arkansas Dept. of Environmental Quality - 88-0681*
*Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023*
*Florida Dept. of Health (NELAC) - E87595*
*Kansas Dept. of Health Environment - E-10266*
*U.S. Dept. of Agriculture Foreign Soil Permit - S-47270*

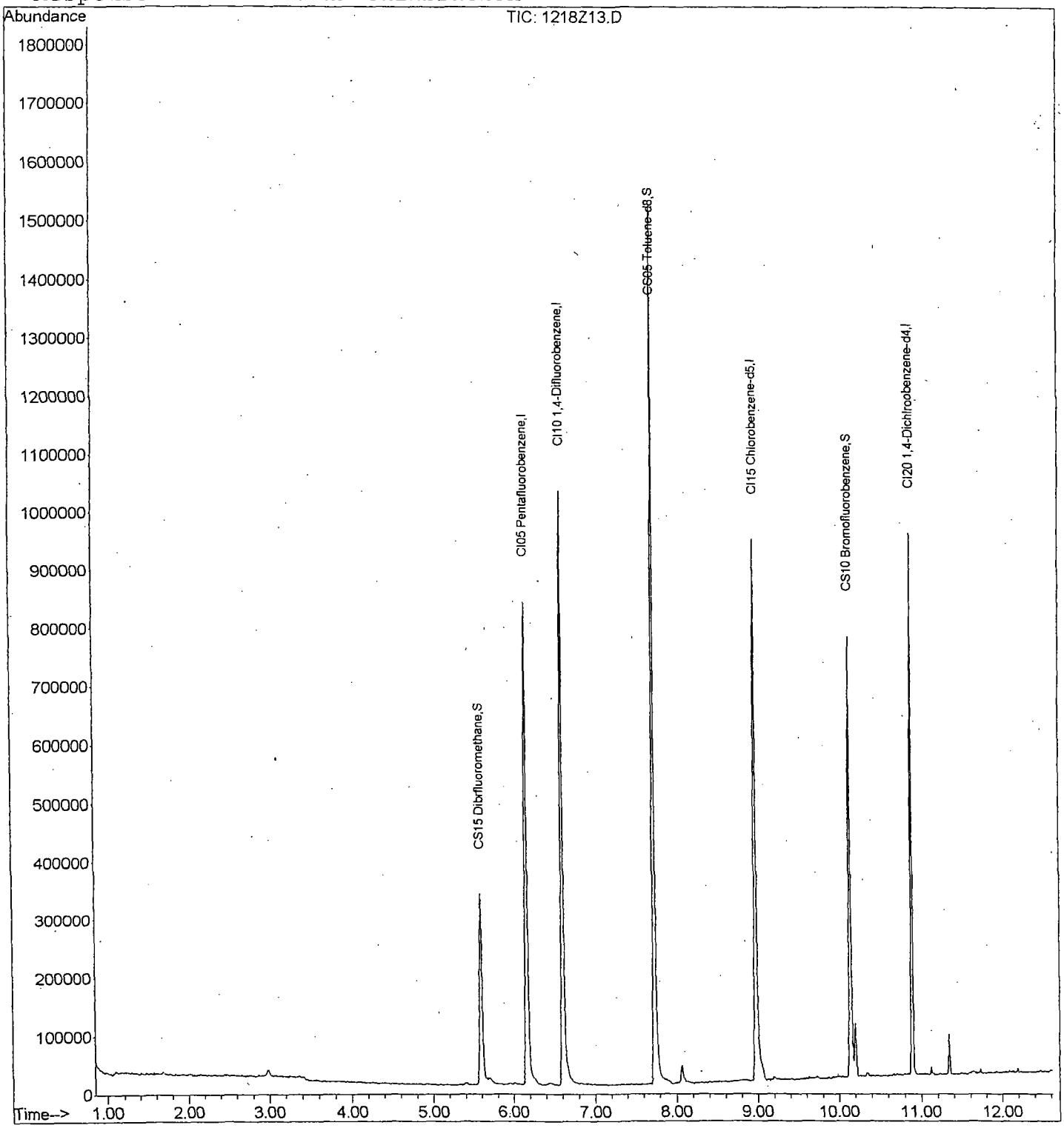
Quantitation Report

Data File : C:\DATAZ\121806\1218Z13.D
Acq On : 18 Dec 2006 16:08
Sample : 20489239
Misc : 80059 1:1 WAT/5.0mL
MS Integration Params: RTEINT.P
Quant Time: Dec 19 12:31 2006

Vial: 13
Operator:
Inst : Inst_Z
Multiplr: 1.00

Quant Results File: Z121406.RES

Method : C:\DATAZ\Z121406.M (RTE Integrator)
Title : 8260 LIST Z
Last Update : Mon Dec 18 13:44:07 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\DATAZ\121806\1218Z13.D Vial: 13
Acq On : 18 Dec 2006 16:08 Operator:
Sample : 20489239 Inst : Inst_Z
Misc : 80059 1:1 WAT/5.0mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 19 12:31 2006 Quant Results File: Z121406.RES

Quant Method : C:\DATAZ\Z121406.M (RTE Integrator)
Title : 8260 LIST Z
Last Update : Mon Dec 18 13:44:07 2006
Response via : Initial Calibration
DataAcq Meth : ZVOAGC2
IS QA File : C:\DATAZ\121806\1218Z03.D (18 Dec 2006 12:39)

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) Rcv(Ar ) |
|---|---|---|---|---|---|---|
| 1) CI05 Pentafluorobenzene | 6.16 | 99 | 376217 | 50.00 | ppb | 0.00 84.08% |
| 37) CI10 1,4-Difluorobenzene | 6.61 | 114 | 790148 | 50.00 | ppb | 0.00 80.58% |
| 57) CI15 Chlorobenzene-d5 | 8.97 | 82 | 420188 | 50.00 | ppb | 0.00 77.07% |
| 70) CI20 1,4-Dichlroobenzene-d | 10.89 | 152 | 170324 | 50.00 | ppb | 0.00 52.76% |

System Monitoring Compounds

| | | | | | | |
|---|---|---|---|---|---|---|
| 35) CS15 Dibrfluoromethane | 5.60 | 113 | 224971 | 51.56 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 68 - 124 | | Recovery = 103.12% | | | |
| 54) CS05 Toluene-d8 | 7.73 | 98 | 957116 | 49.64 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 74 - 122 | | Recovery = 99.28% | | | |
| 73) CS10 Bromofluorobenzene | 10.14 | 176 | 200108 | 54.93 | ppb | 0.00 |
| Spiked Amount 50.000 | Range 71 - 129 | | Recovery = 109.86% | | | |

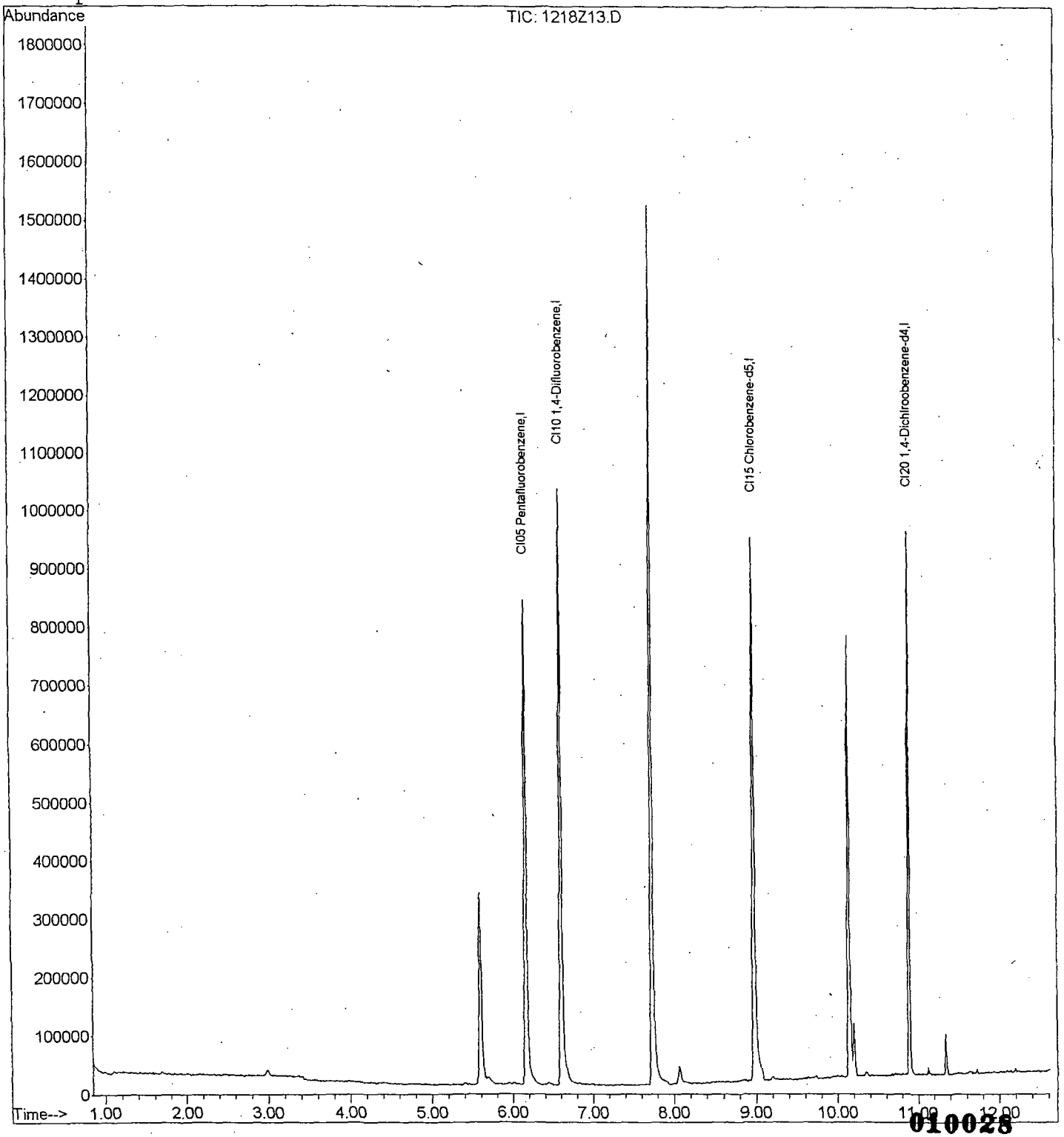
| Target Compounds | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| ~~13) D020 Acetonitrile~~ | ~~2.99~~ | ~~41~~ | ~~606~~ | ~~0.90~~ | ~~ppb~~ | ~~100~~ |

12/19/06

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

Data File : C:\DATAZ\121806\1218Z13.D  Vial: 13
Acq On : 18 Dec 2006 16:08  Operator:
Sample : 20489239  Inst : Inst_Z
Misc : 80059 1:1 WAT/5.0mL  Multiplr: 1.00
MS Integration Params: RTEENT.P
Quant Time: Dec 19 13:03 2006  Quant Results File: SCZ1025.RES

Method : C:\DATAZ\SCZ1025.M (RTE Integrator)
Title : Special VOAs - Z
Last Update : Mon Dec 18 13:50:56 2006
Response via : Initial Calibration




010028

Data File : C:\DATAZ\121806\1218Z13.D Vial: 13
Acq On : 18 Dec 2006 16:08 Operator:
Sample : 20489239 Inst : Inst_Z
Misc : 80059 1:1 WAT/5.0mL Multiplr: 1.00
MS Integration Params: RTEENT.P
Quant Time: Dec 19 13:03 2006 Quant Results File: SCZ1025.RES

Quant Method : C:\DATAZ\SCZ1025.M (RTE Integrator)
Title : Special VOAs - Z
Last Update : Mon Dec 18 13:50:56 2006
Response via : Initial Calibration
DataAcq Meth : ZVOAGC2
IS QA File : C:\DATAZ\121806\1218Z04.D (18 Dec 2006 13:07)

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) Rcv(Ar ) |
|---|---|---|---|---|---|---|
| 1) CI05 Pentafluorobenzene | 6.16 | 99 | 376443 | 50.00 | ppb | -0.05 88.29% |
| 8) CI10 1,4-Difluorobenzene | 6.61 | 114 | 790148 | 50.00 | ppb | -0.05 84.56% |
| 15) CI15 Chlorobenzene-d5 | 8.97 | 82 | 420188 | 50.00 | ppb | -0.05 83.33% |
| 18) CI20 1,4-Dichlroobenzene-d | 10.89 | 152 | 170337 | 50.00 | ppb | -0.03 66.68% |

System Monitoring Compounds

Target Compounds Qvalue

Pace Analytical™
www.pacelabs.com

**VOLATILE**

**QC SUMMARY**

**SDG: 2064976**

Pace Analytical®
New Orleans Laboratory

# Report of Batch Surrogate Recovery

*Pace Analytical Services, Inc.*
*1000 Riverbend Blvd. Suite F*
*St. Rose , LA 70087*

*Phone: 504.469.0333*
*Fax: 504.469.0555*
*LELAP # 02006*

**Report: 2064976** **Batch: 80059**

| Lab ID | Type and Qualifiers | Sur 1 %Rec | Sur 2 %Rec | Sur 3 %Rec | Sur 4 %Rec | Sur 5 %Rec | Sur 6 %Rec | Sur 7 %Rec | Sur 8 %Rec |
|---|---|---|---|---|---|---|---|---|---|
| 20489238 | Sample | 105 | 105 | 99 | | | | | |
| 20489239 | Sample | 110 | 103 | 99 | | | | | |
| 20490721 | BLANK | 96 | 103 | 102 | | | | | |
| 20490722 | LCS | 86 | 98 | 102 | | | | | |
| 20490723 | MS | 85 | 89 | 102 | | | | | |
| 20490724 | MSD | 87 | 103 | 102 | | | | | |
| 20491322 | BLANK | 109 | 117 | 92 | | | | | |
| 20491323 | LCS | 91 | 106 | 95 | | | | | |
| QC limits: | | 71-129 | 68-124 | 74-122 | | | | | |

Sur 1: 4-Bromofluorobenzene (S)
Sur 2: Dibromofluoromethane (S)
Sur 3: Toluene-d8 (S)

* denotes surrogate recovery outside of QC limits.
D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.
A Lab ID consisting of a batch number with a B suffix is a method blank.
A Lab ID consisting of a batch number with a S suffix is an LCS.
A Lab ID with a MS suffix is a matrix spike.
A Lab ID with a MSD suffix is a matrix spike duplicate.

1/5/2007 10:15:08

*New Orleans Laboratory Certifications*
*Louisiana Dept. of Environmental Quality (LELAP) - 02006*
*Arkansas Dept. of Environmental Quality - 88-0681*
*Louisiana Dept. of Health and Hospitals / Drinking Water - LA050023*
*Florida Dept. of Health (NELAC) - E87595*
*Kansas Dept. of Health Environment - E-10266*
*U.S. Dept. of Agriculture Foreign Soil Permit - S-47270*

Pace Analytical*
New Orleans Laboratory

# Report of Quality Control

**Pace Analytical Services, Inc.**
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

**Method:** EPA 8260 **Project:** 2064976 **LCS:** 20490722 12/18/2006 1:45:00 PM

**Batch:** 80059 **MS:** 20490723 12/18/2006 2:50:00 PM

**Units:** ug/L **Original for MS:** 20489231 Batch Sample

| Parameter Name | LCS Spike | LCS %Rec | LCSD %Rec | LCS RPD | MS Spike | MS %Rec | MSD %Rec | (1)MS RPD | QC Limits LCS | QC Limits MS/MSD | Max RPD | Qu |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Acetone | 50 | 157 | | | 50 | 94 | 150 | 45 * | 22 - 165 | 11 - 171 | 20 | A11 |
| Acrolein | 100 | 68 | | | 100 | 48 | 7 * | 151 * | 10 - 150 | 10 - 150 | 20 | |
| Acrylonitrile | 150 | 139 | | | 150 | 88 | 130 | 39 * | 10 - 150 | 10 - 150 | 20 | |
| Benzene | 50 | 97 | | | 50 | 98 | 86 | 13 | 70 - 135 | 60 - 144 | 20 | |
| Bromobenzene | 50 | 88 | | | 50 | 88 | 80 | 10 | 72 - 127 | 73 - 139 | 20 | |
| Bromodichloromethane | 50 | 102 | | | 50 | 93 | 91 | 2 | 61 - 156 | 59 - 156 | 20 | |
| Bromoform | 50 | 103 | | | 50 | 80 | 92 | 14 | 56 - 154 | 50 - 153 | 20 | |
| Bromomethane | 50 | 83 | | | 50 | 89 | 78 | 13 | 44 - 158 | 37 - 165 | 20 | |
| 2-Butanone (MEK) | 50 | 147 | | | 50 | 95 | 143 | 40 * | 32 - 157 | 20 - 168 | 20 | A11 |
| n-Butylbenzene | 50 | 88 | | | 50 | 97 | 74 | 27 * | 61 - 140 | 59 - 146 | 20 | |
| sec-Butylbenzene | 50 | 84 | | | 50 | 94 | 73 | 25 * | 66 - 136 | 63 - 142 | 20 | |
| tert-Butylbenzene | 50 | 98 | | | 50 | 106 | 85 | 21 * | 56 - 145 | 58 - 153 | 20 | |
| Carbon disulfide | 50 | 99 | | | 50 | 104 | 93 | 12 | 40 - 147 | 36 - 152 | 20 | |
| Carbon tetrachloride | 50 | 104 | | | 50 | 110 | 93 | 18 | 50 - 166 | 44 - 170 | 20 | |
| Chlorobenzene | 50 | 91 | | | 50 | 94 | 82 | 14 | 73 - 129 | 67 - 134 | 20 | |
| Chloroethane | 50 | 128 | | | 50 | 136 | 119 | 13 | 38 - 163 | 34 - 170 | 20 | |
| Chloroform | 50 | 101 | | | 50 | 97 | 93 | 4 | 71 - 133 | 64 - 140 | 20 | |
| Chloromethane | 50 | 86 | | | 50 | 88 | 79 | 10 | 32 - 149 | 22 - 163 | 20 | |
| 2-Chlorotoluene | 50 | 77 | | | 50 | 81 | 71 | 13 | 67 - 136 | 62 - 146 | 20 | |
| 4-Chlorotoluene | 50 | 83 | | | 50 | 89 | 74 | 18 | 67 - 133 | 38 - 156 | 20 | |
| Cyclohexane | 50 | 91 | | | 50 | 95 | 82 | 14 | 63 - 113 | 70 - 130 | 20 | |
| 1,2-Dibromo-3-chloropropane | 50 | 106 | | | 50 | 75 | 96 | 24 * | 34 - 145 | 28 - 150 | 20 | |
| Dibromochloromethane | 50 | 96 | | | 50 | 82 | 87 | 6 | 63 - 147 | 58 - 147 | 20 | |
| 1,2-Dibromoethane (EDB) | 50 | 123 | | | 50 | 93 | 110 | 17 | 60 - 147 | 55 - 149 | 20 | |
| Dibromomethane | 50 | 108 | | | 50 | 87 | 100 | 14 | 60 - 147 | 56 - 148 | 20 | |
| 1,2-Dichlorobenzene | 50 | 84 | | | 50 | 82 | 76 | 8 | 67 - 135 | 61 - 139 | 20 | |
| 1,3-Dichlorobenzene | 50 | 83 | | | 50 | 86 | 74 | 16 | 69 - 129 | 66 - 134 | 20 | |
| 1,4-Dichlorobenzene | 50 | 84 | | | 50 | 86 | 75 | 13 | 66 - 133 | 64 - 133 | 20 | |
| trans-1,4-Dichloro-2-butene | 100 | 103 | | | 100 | 79 | 94 | 17 | 17 - 178 | 21 - 164 | 20 | |
| 1,1-Dichloroethane | 50 | 102 | | | 50 | 102 | 94 | 9 | 64 - 135 | 59 - 142 | 20 | |
| 1,2-Dichloroethane | 50 | 117 | | | 50 | 101 | 106 | 6 | 53 - 164 | 51 - 161 | 20 | |
| 1,1-Dichloroethene | 50 | 99 | | | 50 | 104 | 93 | 11 | 51 - 143 | 44 - 152 | 20 | |
| cis-1,2-Dichloroethene | 50 | 91 | | | 50 | 88 | 85 | 4 | 59 - 139 | 56 - 145 | 20 | |
| trans-1,2-Dichloroethene | 50 | 96 | | | 50 | 100 | 90 | 10 | 59 - 139 | 56 - 145 | 20 | |
| 1,2-Dichloropropane | 50 | 109 | | | 50 | 105 | 100 | 4 | 69 - 135 | 66 - 138 | 20 | |
| 1,3-Dichloropropane | 50 | 103 | | | 50 | 86 | 93 | 7 | 71 - 131 | 60 - 140 | 20 | |
| 2,2-Dichloropropane | 50 | 102 | | | 50 | 105 | 93 | 13 | 52 - 138 | 53 - 139 | 20 | |
| 1,1-Dichloropropene | 50 | 103 | | | 50 | 108 | 90 | 19 | 64 - 140 | 64 - 142 | 20 | |
| cis-1,3-Dichloropropene | 50 | 117 | | | 50 | 105 | 105 | 0 | 66 - 141 | 58 - 142 | 20 | |

1/5/2007 10:15:06

* denotes recovery outside of QC limits.
MS spike concentrations are not corrected for moisture content of the spiked sample.
(1) MS RPD is calculated via SW-846 rules: on the basis of spiked sample concentrations rather than spike recoveries.

*New Orleans Laboratory Certifications*
*Louisiana Dept. of Environmental Quality (LELAP) - 02006*
*Arkansas Dept. of Environmental Quality - 88-0681*
*Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023*
*Florida Dept. of Health (NELAC) - E87595*
*Kansas Dept. of Health Environment - E-10266*
*U.S. Dept. of Agriculture Foreign Soil Permit - S-47270*

Pace Analytical®
New Orleans Laboratory

# Report of Quality Control

**Pace Analytical Services, Inc.**
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

**Method:** EPA 8260 **Project:** 2064976 **LCS:** 20490722 12/18/2006 1:45:00 PM

**Batch:** 80059 **MS:** 20490723 12/18/2006 2:50:00 PM

**Units:** ug/L **Original for MS:** 20489231 Batch Sample

| Parameter Name | LCS Spike | LCS %Rec | LCSD %Rec | LCS RPD | MS Spike | MS %Rec | MSD %Rec | (1)MS RPD | QC Limits LCS | QC Limits MS/MSD | Max RPD | Qu |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| trans-1,3-Dichloropropene | 50 | 118 | | | 50 | 99 | 107 | 8 | 57 - 150 | 50 - 151 | 20 | |
| Ethylbenzene | 50 | 87 | | | 50 | 94 | 77 | 20 | 67 - 132 | 58 - 138 | 20 | |
| Hexachloro-1,3-butadiene | 50 | 76 | | | 50 | 80 | 62 | 24 * | 49 - 167 | 27 - 195 | 20 | |
| 2-Hexanone | 50 | 134 | | | 50 | 93 | 125 | 29 * | 36 - 154 | 25 - 163 | 20 | |
| Iodomethane | 50 | 89 | | | 50 | 89 | 84 | 6 | 43 - 159 | 36 - 160 | 20 | |
| Isopropylbenzene (Cumene) | 50 | 88 | | | 50 | 98 | 77 | 24 * | 55 - 133 | 45 - 143 | 20 | |
| p-Isopropyltoluene | 50 | 83 | | | 50 | 92 | 75 | 21 * | 66 - 133 | 67 - 135 | 20 | |
| Methylcyclohexane | 50 | 94 | | | 50 | 99 | 83 | 18 | 70 - 130 | 70 - 130 | 20 | |
| Methylene chloride | 50 | 85 | | | 50 | 74 | 75 | 1 | 29 - 159 | 19 - 158 | 20 | A11 |
| 4-Methyl-2-pentanone (MIBK) | 50 | 143 | | | 50 | 100 | 133 | 28 * | 13 - 162 | 10 - 157 | 20 | |
| Methyl-tert-butyl ether | 50 | 129 | | | 50 | 99 | 121 | 20 | 48 - 145 | 39 - 157 | 20 | |
| n-Propylbenzene | 50 | 84 | | | 50 | 94 | 73 | 25 * | 66 - 135 | 61 - 143 | 20 | |
| Styrene | 50 | 96 | | | 50 | 97 | 85 | 13 | 71 - 134 | 54 - 144 | 20 | |
| 1,1,1,2-Tetrachloroethane | 50 | 92 | | | 50 | 92 | 83 | 10 | 73 - 146 | 65 - 150 | 20 | |
| 1,1,2,2-Tetrachloroethane | 50 | 100 | | | 50 | 78 | 91 | 16 | 50 - 142 | 46 - 145 | 20 | |
| Tetrachloroethene | 50 | 87 | | | 50 | 96 | 77 | 22 * | 42 - 156 | 39 - 151 | 20 | |
| Toluene | 50 | 95 | | | 50 | 97 | 84 | 14 | 72 - 132 | 64 - 139 | 20 | |
| 1,2,4-Trichlorobenzene | 50 | 74 | | | 50 | 71 | 66 | 7 | 56 - 144 | 46 - 149 | 20 | |
| 1,1,1-Trichloroethane | 50 | 98 | | | 50 | 101 | 89 | 13 | 65 - 136 | 59 - 141 | 20 | |
| 1,1,2-Trichloroethane | 50 | 111 | | | 50 | 88 | 101 | 14 | 67 - 144 | 60 - 146 | 20 | |
| Trichloroethene | 50 | 95 | | | 50 | 98 | 85 | 14 | 69 - 136 | 61 - 141 | 20 | |
| Trichlorofluoromethane | 50 | 97 | | | 50 | 104 | 93 | 11 | 42 - 161 | 38 - 160 | 20 | |
| 1,2,3-Trichloropropane | 50 | 105 | | | 50 | 82 | 99 | 18 | 52 - 152 | 51 - 151 | 20 | |
| 1,1,2-Trichlorotrifluoroethane | 50 | 82 | | | 50 | 88 | 77 | 13 | 44 - 147 | 20 - 174 | 20 | |
| 1,2,4-Trimethylbenzene | 50 | 86 | | | 50 | 94 | 76 | 21 * | 59 - 137 | 41 - 155 | 20 | |
| 1,3,5-Trimethylbenzene | 50 | 86 | | | 50 | 95 | 75 | 23 * | 69 - 135 | 55 - 150 | 20 | |
| Vinyl acetate | 50 | 199 * | | | 50 | 143 | 181 | 23 * | 21 - 190 | 10 - 185 | 20 | Q10 |
| Vinyl chloride | 50 | 100 | | | 50 | 108 | 96 | 12 | 40 - 146 | 28 - 161 | 20 | |
| m&p-Xylene | 100 | 88 | | | 100 | 95 | 77 | 21 * | 70 - 129 | 66 - 132 | 20 | |
| o-Xylene | 50 | 86 | | | 50 | 90 | 76 | 17 | 70 - 129 | 66 - 132 | 20 | |

69 compound(s) reported

* denotes recovery outside of QC limits.
MS spike concentrations are not corrected for moisture content of the spiked sample.
(1) MS RPD is calculated via SW-846 rules: on the basis of spiked sample concentrations rather than spike recoveries.

1/5/2007 10:15:06

*New Orleans Laboratory Certifications*
*Louisiana Dept. of Environmental Quality (LELAP) - 02006*
*Arkansas Dept. of Environmental Quality - 88-0681*
*Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023*
*Florida Dept. of Health (NELAC) - E87595*
*Kansas Dept. of Health Environment - E-10266*
*U.S. Dept. of Agriculture Foreign Soil Permit - S-47270*

# Form 4x

## METHOD BLANK SUMMARY

CLP Style Form IV

Sample ID : **80059 BLANK 1**
Lab ID : **20490721**
Project: **2064976**

Batch: **80059**
Lab File ID: **1218Z05**
Analysis Time: **12/18/2006 13:26**

| Client Sample ID | Lab Sample ID | Lab File ID | Analysis Date | Analysis Time |
|---|---|---|---|---|
| 80059 LCS 1 | 20490722 | 1218Z06 | 12/18/2006 | 13:45 |
| 2WSW6-EPA | 20489238 | 1218Z12 | 12/18/2006 | 15:48 |
| TRIP BLANK | 20489239 | 1218Z13 | 12/18/2006 | 16:08 |

Comments:

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# Form 5

## GCMS Instrument Performance Check (TUNE)

BFB

Data File : C:\DATAZ\102506\1025Z43.D  Vial: 43
Acq On : 26 Oct 2006 1:50  Operator:
Sample : SSTD005  Inst : Inst_Z
Misc :  Multiplr: 1.00
MS Integration Params: RTEENT.P
Method : C:\DATAZ\SCZ1025.M (RTE Integrator)
Title : Special VOAs - Z
Peak Apex is scan: 1543 (10.15 min)
Average of 3 scans: 1542,1543,1544 minus background scan 1523 (10.03 min)

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 8 | 40 | 18.4 | 17600 | PASS |
| 75 | 95 | 30 | 66 | 45.2 | 43232 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 95672 | PASS |
| 96 | 95 | 5 | 9 | 6.5 | 6233 | PASS |
| 173 | 174 | 0 | 2 | 0.0 | 0 | PASS |
| 174 | 95 | 50 | 120 | 65.0 | 62227 | PASS |
| 175 | 174 | 4 | 9 | 4.6 | 2888 | PASS |
| 176 | 174 | 93 | 101 | 98.0 | 61008 | PASS |
| 177 | 176 | 5 | 9 | 6.8 | 4124 | PASS |

| Client Sample ID | Lab Sample ID | Lab File ID | Batch | Analysis Date | Analysis Time |
|---|---|---|---|---|---|
| | SSTD005 | 1025Z43 | | 10/26/2006 | 01:50:00 |
| | SSTD010 | 1025Z44 | | 10/26/2006 | 02:09:00 |
| | SSTD020 | 1025Z45 | | 10/26/2006 | 02:28:00 |
| | SSTD050 | 1025Z46 | | 10/26/2006 | 02:47:00 |
| | SSTD100 | 1025Z47 | | 10/26/2006 | 03:06:00 |
| | SSTD250 | 1025Z48 | | 10/26/2006 | 03:27:00 |

Comments:

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# Form 5

## GCMS Instrument Performance Check (TUNE)

BFB

Data File : C:\DATAZ\121406\1214Z05.D  Vial: 5
Acq On : 14 Dec 2006 11:07  Operator:
Sample : VSTD005  Inst : Inst_Z
Misc :  Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\DATAZ\Z121406.M (RTE Integrator)
Title : 8260 LIST Z
Peak Apex is scan: 1546 (10.14 min)
Average of 3 scans: 1545,1546,1547 minus background scan 1526 (10.02 min)

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 8 | 40 | 13.6 | 2527 | PASS |
| 75 | 95 | 30 | 66 | 37.9 | 7064 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 18624 | PASS |
| 96 | 95 | 5 | 9 | 7.3 | 1355 | PASS |
| 173 | 174 | 0 | 2 | 0.0 | 0 | PASS |
| 174 | 95 | 50 | 120 | 74.5 | 13879 | PASS |
| 175 | 174 | 4 | 9 | 7.6 | 1057 | PASS |
| 176 | 174 | 93 | 101 | 99.6 | 13829 | PASS |
| 177 | 176 | 5 | 9 | 6.2 | 861 | PASS |

| Client Sample ID | Lab Sample ID | Lab File ID | Batch | Analysis Date | Analysis Time |
|---|---|---|---|---|---|
| | VSTD005 | 1214Z05 | | 12/14/2006 | 11:07:00 |
| | VSTD010 | 1214Z06 | | 12/14/2006 | 11:27:00 |
| | VSTD020 | 1214Z07 | | 12/14/2006 | 11:46:00 |
| | VSTD050 | 1214Z08 | | 12/14/2006 | 12:06:00 |
| | VSTD100 | 1214Z09 | | 12/14/2006 | 12:27:00 |
| | VSTD250 | 1214Z10 | | 12/14/2006 | 12:46:00 |
| | VSTD050ICV | 1214Z12 | | 12/14/2006 | 13:24:00 |

Comments:



010007

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# Form 5

## GCMS Instrument Performance Check (TUNE)

BFB

Data File : C:\DATAZ\121806\1218Z03.D  Vial: 3
Acq On : 18 Dec 2006 12:39  Operator:
Sample : VSTD050  Inst : Inst_Z
Misc :  Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\DATAZ\Z121406.M (RTE Integrator)
Title : 8260 LIST Z
Peak Apex is scan: 1546 (10.13 min)
Average of 3 scans: 1545,1546,1547 minus background scan 1526 (10.01 min)

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 8 | 40 | 14.2 | 37931 | PASS |
| 75 | 95 | 30 | 66 | 39.6 | 105592 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 266552 | PASS |
| 96 | 95 | 5 | 9 | 6.6 | 17508 | PASS |
| 173 | 174 | 0 | 2 | 0.0 | 0 | PASS |
| 174 | 95 | 50 | 120 | 69.5 | 185344 | PASS |
| 175 | 174 | 4 | 9 | 7.8 | 14373 | PASS |
| 176 | 174 | 93 | 101 | 96.3 | 178546 | PASS |
| 177 | 176 | 5 | 9 | 6.5 | 11600 | PASS |

| Client Sample ID | Lab Sample ID | Lab File ID | Batch | Analysis Date | Analysis Time |
|---|---|---|---|---|---|
| | VSTD050 | 1218Z03 | | 12/18/2006 | 12:39:00 |
| | SSTD050 | 1218Z04 | | 12/18/2006 | 13:07:00 |
| | 204XXXXX | 1218Z05 | 80059 | 12/18/2006 | 13:26:00 |
| | 204XXXXX | 1218Z06 | 80059 | 12/18/2006 | 13:45:00 |
| 2WSW6-EPA | 20489238 | 1218Z12 | 80059 | 12/18/2006 | 15:48:00 |
| TRIP BLANK | 20489239 | 1218Z13 | 80059 | 12/18/2006 | 16:08:00 |

Comments:

8A

# VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name :
Contract :
Project :
Site :
Location :
Group :
Lab File ID (Standard): 1025Z43.D
Date Analyzed : 26 Oct 2006
Instrument ID : Inst_Z
Time Analyzed : 1:50
GC Column :
ID :
Heated Purge (Y:N) :

| | IS1 BCM | | | | IS2 DFB | | | | IS3 CBZ | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Area | # | RT | # | Area | # | RT | # | Area | # | RT | # |
| 12 HOUR STD | 218574 | | 6.18 | | 544941 | | 6.63 | | 218137 | | 9.00 | |
| UPPER LIMIT | 437148 | | 6.68 | | 1089882 | | 7.13 | | 436274 | | 9.50 | |
| LOWER LIMIT | 109287 | | 5.68 | | 272471 | | 6.13 | | 109069 | | 8.50 | |
| File ID Sample | | | | | | | | | | | | |
| 1025Z43 SSTD005 | 218574 | | 6.18 | | 544941 | | 6.63 | | 218137 | | 9.00 | |
| 1025Z44 SSTD010 | 218833 | | 6.19 | | 547192 | | 6.63 | | 220531 | | 9.00 | |
| 1025Z45 SSTD020 | 219822 | | 6.18 | | 561191 | | 6.62 | | 221861 | | 8.99 | |
| 1025Z46 SSTD050 | 213894 | | 6.19 | | 545037 | | 6.62 | | 219185 | | 8.99 | |
| 1025Z47 SSTD100 | 218774 | | 6.18 | | 552144 | | 6.63 | | 220365 | | 9.00 | |
| 1025Z48 SSTD250 | 225278 | | 6.18 | | 561801 | | 6.62 | | 224092 | | 8.99 | |

IS1 BCM = CI05 Pentafluorobenzene
IS2 DFB = CI10 1,4-Difluorobenzene
IS3 CBZ = CI15 Chlorobenzene-d5
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = 0.5 minutes of internal standard RT
RT LOWER LIMIT = -0.5 minutes of internal standard RT

# Column to be used to flag values outside QC limit with an asterisk
* Values outside of contract required QC limits

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name :
Contract :
Project :
Site :
Location :
Group :
Lab File ID (Standard): 1025Z43.D
Date Analyzed : 26 Oct 2006
Instrument ID : Inst_Z
Time Analyzed : 1:50
GC Column :
ID :
Heated Purge (Y:N) :

| | IS4 Area | # | RT | # | IS5 Area | # | RT | # | IS6 Area | # | RT | # |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 HOUR STD | 110514 | | 10.90 | | 0 | | 0.00 | | 0 | | 0.00 | |
| UPPER LIMIT | 221028 | | 11.40 | | 0 | | 0.00 | | 0 | | 0.00 | |
| LOWER LIMIT | 55257 | | 10.40 | | 0 | | 0.00 | | 0 | | 0.00 | |
| File ID Sample | | | | | | | | | | | | |
| 1025Z43 SSTD005 | 110514 | | 10.90 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1025Z44 SSTD010 | 116100 | | 10.90 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1025Z45 SSTD020 | 112504 | | 10.90 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1025Z46 SSTD050 | 121531 | | 10.90 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1025Z47 SSTD100 | 123250 | | 10.90 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1025Z48 SSTD250 | 124917 | | 10.90 | | 0 | | 0.00 | | 0 | | 0.00 | |

IS4 = CI20 1,4-Dichlroobenzene-d4
IS5 =
IS6 =
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = 0.5 minutes of internal standard RT
RT LOWER LIMIT = -0.5 minutes of internal standard RT

# Column to be used to flag values outside QC limit with an asterisk
* Values outside of contract required QC limits


010010

8A

# VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name :
Project :
Lab File ID (Standard): 1214Z05.D
Instrument ID : Inst_Z
GC Column : VMS ID : ,25 (mm)

Contract :
Site :
Location : Group : MS-VOA
Date Analyzed : 14 Dec 2006
Time Analyzed : 11:07
Heated Purge (Y:N) : y

| | IS1 PFB | | IS2 DFB | | IS3 CLB | |
|---|---|---|---|---|---|---|
| | Area # | RT # | Area # | RT # | Area # | RT # |
| 12 HOUR STD | 407318 | 6.17 | 850455 | 6.61 | 407022 | 8.98 |
| UPPER LIMIT | 814636 | 6.67 | 1700910 | 7.11 | 814044 | 9.48 |
| LOWER LIMIT | 203659 | 5.67 | 425228 | 6.11 | 203511 | 8.48 |
| File ID Sample | | | | | | |
| 1214Z05 VSTD005 | 407318 | 6.17 | 850455 | 6.61 | 407022 | 8.98 |
| 1214Z06 VSTD010 | 405512 | 6.17 | 874995 | 6.61 | 422477 | 8.98 |
| 1214Z07 VSTD020 | 381812 | 6.16 | 837074 | 6.60 | 412917 | 8.98 |
| 1214Z08 VSTD050 | 377299 | 6.16 | 836122 | 6.61 | 421009 | 8.98 |
| 1214Z09 VSTD100 | 404896 | 6.17 | 877417 | 6.61 | 430734 | 8.98 |
| 1214Z10 VSTD250 | 386139 | 6.17 | 854363 | 6.61 | 438023 | 8.98 |
| 1214Z12 VSTD050IC | 412103 | 6.16 | 903754 | 6.61 | 443303 | 8.98 |

IS1 PFB = CI05 Pentafluorobenzene
IS2 DFB = CI10 1,4-Difluorobenzene
IS3 CLB = CI15 Chlorobenzene-d5

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = 0.5 minutes of internal standard RT
RT LOWER LIMIT = -0.5 minutes of internal standard RT

# Column to be used to flag values outside QC limit with an asterisk
* Values outside of contract required QC limits

**010011**

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name :
Project :
Site :
Contract :
Location :
Group : MS-VOA
Lab File ID (Standard): 1214Z05.D
Date Analyzed : 14 Dec 2006
Instrument ID : Inst_Z
Time Analyzed : 11:07
GC Column : VMS
ID : ,25 (mm)
Heated Purge (Y:N) : y

| | IS4 DCB Area | # | RT | # | IS5 Area | # | RT | # | IS6 Area | # | RT | # |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 HOUR STD | 202599 | | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| UPPER LIMIT | 405199 | | 11.39 | | 0 | | 0.00 | | 0 | | 0.00 | |
| LOWER LIMIT | 101300 | | 10.39 | | 0 | | 0.00 | | 0 | | 0.00 | |
| File ID Sample | | | | | | | | | | | | |
| 1214Z05 VSTD005 | 202599 | | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1214Z06 VSTD010 | 227759 | | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1214Z07 VSTD020 | 223598 | | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1214Z08 VSTD050 | 241307 | | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1214Z09 VSTD100 | 246377 | | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1214Z10 VSTD250 | 234046 | | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1214Z12 VSTD050IC | 241272 | | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |

IS4 DCB = CI20 1,4-Dichlroobenzene-d4
IS5 =
IS6 =

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = 0.5 minutes of internal standard RT
RT LOWER LIMIT = -0.5 minutes of internal standard RT

# Column to be used to flag values outside QC limit with an asterisk
* Values outside of contract required QC limits

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name :
Project :
Site :
Lab File ID (Standard): 1218Z03.D
Instrument ID : Inst_Z
GC Column : VMS
ID : ,25 (mm)
Contract :
Location :
Group : MS-VOA-
Date Analyzed : 18 Dec 2006
Time Analyzed : 12:39
Heated Purge (Y:N) : y

| | | IS1 PFB | | | IS2 DFB | | | IS3 CLB | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Area | # | RT | Area | # | RT | Area | # | RT |
| 12 HOUR STD | | 447431 | | 6.16 | 980529 | | 6.60 | 545179 | | 8.97 |
| UPPER LIMIT | | 894862 | | 6.66 | 1961058 | | 7.10 | 1090358 | | 9.47 |
| LOWER LIMIT | | 223716 | | 5.66 | 490265 | | 6.10 | 272590 | | 8.47 |
| File ID | Sample | | | | | | | | | |
| 1218Z05 | 204XXXXX/ | 377649 | | 6.16 | 817819 | | 6.61 | 470932 | | 8.98 |
| 1218Z06 | 204XXXXX/ | 436217 | | 6.16 | 939479 | | 6.60 | 520665 | | 8.97 |
| 1218Z07 | 20489586 | 400816 | | 6.16 | 874230 | | 6.60 | 485277 | | 8.98 |
| 1218Z08 | 20489231 | 395446 | | 6.16 | 841178 | | 6.60 | 454774 | | 8.98 |
| 1218Z09 | 20490723/ | 431617 | | 6.16 | 913102 | | 6.60 | 481446 | | 8.97 |
| 1218Z10 | 20490724/ | 404565 | | 6.16 | 890980 | | 6.60 | 497698 | | 8.97 |
| 1218Z11 | 20489232 | 397185 | | 6.16 | 835305 | | 6.60 | 457319 | | 8.98 |
| 1218Z12 | 20489238 | 397428 | | 6.15 | 839589 | | 6.60 | 443058 | | 8.97 |
| 1218Z13 | 20489239 | 376217 | | 6.16 | 790148 | | 6.61 | 420188 | | 8.97 |
| 1218Z14 | 20490323 | 398430 | | 6.16 | 839743 | | 6.60 | 425929 | | 8.98 |
| 1218Z15 | 20490324 | 371833 | | 6.16 | 795655 | | 6.61 | 436294 | | 8.98 |
| 1218Z16 | 20490325 | 375359 | | 6.16 | 781722 | | 6.61 | 418461 | | 8.97 |
| 1218Z17 | 20490326 | 395515 | | 6.16 | 800931 | | 6.60 | 431459 | | 8.97 |
| 1218Z18 | 20490327 | 366594 | | 6.17 | 766002 | | 6.61 | 419492 | | 8.98 |
| 1218Z19 | 20490328 | 361706 | | 6.16 | 747331 | | 6.61 | 404385 | | 8.97 |
| 1218Z20 | 20490329 | 367923 | | 6.17 | 766787 | | 6.61 | 412623 | | 8.98 |
| 1218Z21 | 20490330 | 371459 | | 6.17 | 775877 | | 6.61 | 408323 | | 8.98 |
| 1218Z22 | 20490331 | 368400 | | 6.16 | 768680 | | 6.61 | 411410 | | 8.98 |
| 1218Z23 | 20490332 | 370487 | | 6.17 | 797777 | | 6.61 | 413386 | | 8.98 |
| 1218Z24 | 20490333 | 342390 | | 6.17 | 717789 | | 6.61 | 399558 | | 8.97 |
| 1218Z25 | 20490334 | 333606 | | 6.16 | 694985 | | 6.61 | 397042 | | 8.97 |
| 1218Z26 | 20490335 | 358846 | | 6.16 | 728243 | | 6.60 | 388644 | | 8.97 |
| 1218Z27 | 20489928 | 370415 | | 6.16 | 745353 | | 6.61 | 399691 | | 8.97 |
| 1218Z28 | 20490725/ | 341601 | | 6.16 | 706185 | | 6.60 | 395658 | | 8.97 |
| 1218Z29 | 20490726/ | 408722 | | 6.16 | 846884 | | 6.60 | 457588 | | 8.97 |

IS1 PFB = CI05 Pentafluorobenzene
IS2 DFB = CI10 1,4-Difluorobenzene
IS3 CLB = CI15 Chlorobenzene-d5

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = 0.5 minutes of internal standard RT
RT LOWER LIMIT = -0.5 minutes of internal standard RT

# Column to be used to flag values outside QC limit with an asterisk
* Values outside of contract required QC limits

**010013**

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name :  Contract :
Project :  Site :  Location :  Group : MS-VOA-
Lab File ID (Standard): 1218Z03.D  Date Analyzed : 18 Dec 2006
Instrument ID : Inst_Z  Time Analyzed : 12:39
GC Column : VMS  ID : ,25 (mm)  Heated Purge (Y:N) : y

| | IS1 PFB | | IS2 DFB | | IS3 CLB | |
|---|---|---|---|---|---|---|
| | Area # | RT # | Area # | RT # | Area # | RT # |
| 12 HOUR STD | 447431 | 6.16 | 980529 | 6.60 | 545179 | 8.97 |
| UPPER LIMIT | 894862 | 6.66 | 1961058 | 7.10 | 1090358 | 9.47 |
| LOWER LIMIT | 223716 | 5.66 | 490265 | 6.10 | 272590 | 8.47 |
| File ID Sample | | | | | | |
| 1218Z30 20490618 | 358935 | 6.16 | 731383 | 6.61 | 386298 | 8.98 |
| 1218Z31 20490619 | 325671 | 6.16 | 660814 | 6.61 | 360242 | 8.98 |
| 1218Z32 20490620 | 321133 | 6.16 | 652502 | 6.61 | 372855 | 8.98 |
| 1218Z33 20490621 | 341773 | 6.16 | 700010 | 6.60 | 388584 | 8.97 |
| 1218Z34 20490622 | 335746 | 6.16 | 692022 | 6.60 | 376313 | 8.97 |
| 1218Z35 20490623 | 339818 | 6.16 | 690438 | 6.60 | 382828 | 8.97 |
| 1218Z36 20489909 | 314417 | 6.16 | 647556 | 6.61 | 365883 | 8.98 |
| 1218Z37 20489910 | 319365 | 6.16 | 657049 | 6.60 | 378881 | 8.98 |

IS1 PFB = CI05 Pentafluorobenzene
IS2 DFB = CI10 1,4-Difluorobenzene
IS3 CLB = CI15 Chlorobenzene-d5

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = 0.5 minutes of internal standard RT
RT LOWER LIMIT = -0.5 minutes of internal standard RT

# Column to be used to flag values outside QC limit with an asterisk
* Values outside of contract required QC limits

010014

8A

# VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name :
Project : Site :
Lab File ID (Standard): 1218Z03.D
Instrument ID : Inst_Z
GC Column : VMS ID : ,25 (mm)

Contract :
Location : Group : MS-VOA-
Date Analyzed : 18 Dec 2006
Time Analyzed : 12:39
Heated Purge (Y:N) : y

| | IS4 DCB Area | # | RT | # | IS5 Area | # | RT | # | IS6 Area | # | RT | # |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 HOUR STD | 322859 | | 10.88 | | 0 | | 0.00 | | 0 | | 0.00 | |
| UPPER LIMIT | 645718 | | 11.38 | | 0 | | 0.00 | | 0 | | 0.00 | |
| LOWER LIMIT | 161429 | | 10.38 | | 0 | | 0.00 | | 0 | | 0.00 | |
| File ID Sample | | | | | | | | | | | | |
| 1218Z05 204XXXXX/ | 222329 | | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1218Z06 204XXXXX/ | 297972 | | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1218Z07 20489586 | 221537 | | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1218Z08 20489231 | 191298 | | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1218Z09 20490723/ | 267965 | | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1218Z10 20490724/ | 283440 | | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1218Z11 20489232 | 188689 | | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1218Z12 20489238 | 195569 | | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1218Z13 20489239 | 170324 | | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1218Z14 20490323 | 167937 | | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1218Z15 20490324 | 179910 | | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1218Z16 20490325 | 173248 | | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1218Z17 20490326 | 167207 | | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1218Z18 20490327 | 170156 | | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1218Z19 20490328 | 163842 | | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1218Z20 20490329 | 165853 | | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1218Z21 20490330 | 158202 | * | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1218Z22 20490331 | 166167 | | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1218Z23 20490332 | 168495 | | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1218Z24 20490333 | 154462 | * | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1218Z25 20490334 | 157858 | * | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1218Z26 20490335 | 145982 | * | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1218Z27 20489928 | 142411 | * | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1218Z28 20490725/ | 156688 | * | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1218Z29 20490726/ | 225791 | | 10.88 | | 0 | | 0.00 | | 0 | | 0.00 | |

IS4 DCB = CI20 1,4-Dichlroobenzene-d4
IS5 =
IS6 =

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = 0.5 minutes of internal standard RT
RT LOWER LIMIT = -0.5 minutes of internal standard RT

# Column to be used to flag values outside QC limit with an asterisk
* Values outside of contract required QC limits

010015

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name :  Contract :
Project :  Site :  Location :  Group : MS-VOA-
Lab File ID (Standard): 1218Z03.D  Date Analyzed : 18 Dec 2006
Instrument ID : Inst_Z  Time Analyzed : 12:39
GC Column : VMS  ID : ,25 (mm)  Heated Purge (Y:N) : y

| | IS4 DCB Area | # | RT | # | IS5 Area | # | RT | # | IS6 Area | # | RT | # |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 HOUR STD | 322859 | | 10.88 | | 0 | | 0.00 | | 0 | | 0.00 | |
| UPPER LIMIT | 645718 | | 11.38 | | 0 | | 0.00 | | 0 | | 0.00 | |
| LOWER LIMIT | 161429 | | 10.38 | | 0 | | 0.00 | | 0 | | 0.00 | |
| File ID Sample | | | | | | | | | | | | |
| 1218Z30 20490618 | 151881 | * | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1218Z31 20490619 | 137720 | * | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1218Z32 20490620 | 141237 | * | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1218Z33 20490621 | 146475 | * | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1218Z34 20490622 | 127908 | * | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1218Z35 20490623 | 132392 | * | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1218Z36 20489909 | 127082 | * | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |
| 1218Z37 20489910 | 137373 | * | 10.89 | | 0 | | 0.00 | | 0 | | 0.00 | |

IS4 DCB = CI20 1,4-Dichlroobenzene-d4
IS5 =
IS6 =

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = 0.5 minutes of internal standard RT
RT LOWER LIMIT = -0.5 minutes of internal standard RT

# Column to be used to flag values outside QC limit with an asterisk
* Values outside of contract required QC limits

**010016**