

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

PROJECT NARRATIVE

Page One of Two

Chris Ricardi
MACTEC Engineering & Consulting, Inc.
511 Congress Street
Portland, ME 04101

RE: Providence Gorham Site
ESS Laboratory Work Order Number: 0608248

This signed Certificate of Analysis is our approved release of your analytical results. Beginning with this Project Narrative, the entire report has been paginated. The ESS Laboratory Certifications sheet is the final report page. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been mailed. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

Date: September 08, 2006

Sample Receipt

11 Soil samples were received on August 14, 2006 for the analyses specified on the enclosed Chain of Custody Record. Client did not deliver samples in cooler.

Analytical Summary

The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration may be used instead of automated integration because it produces more accurate results.

ESS Laboratory certifies that the test results meet the requirements of NELAC, except where noted within this project narrative.

Metals Analysis

ESS Laboratory utilized the established linear dynamic range to determine acceptable analytical results.

The batch duplicate was outside of the recommended range for Arsenic, however, was within \pm MRL.

The batch Matrix Spike was outside of the recommended range for Copper, Antimony, Lead and Selenium. These analytes were below the lower control limit.

Continuing Calibration Blanks were outside criteria for Copper and Zinc in BPH0306.

Continuing Calibration was outside of the recommended range for Copper in BPH0306. This analyte exceeds the upper control limit.

Final ICS was outside criteria for Lead in BPH0306.

Semivolatile Organics Analysis

Continuing Calibration was outside of the recommended range for Pentachlorophenol. This analyte was below the lower control limit.

Continued

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

PROJECT NARRATIVE

Page Two of Two

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511 Congress Street
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RE: Providence Gorham Site
ESS Laboratory Work Order Number: 0608248

Volatile Organics Analysis

Blank Spike was outside of the recommended range for 1,4-Dioxane - Screen. This analyte was below the lower control limit.

The batch Matrix Spike/Matrix Spike Duplicate was outside of the recommended ranges for 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane, 1,4-Dioxane - Screen, Hexachlorobutadiene and Naphthalene due to matrix interferences. These analytes were below the lower control limit.

The batch Matrix Spike/Matrix Spike Duplicate was outside of the recommended range for 1,1,1-Trichloroethane, 1,1-Dichloroethene, 1,1-Dichloropropene, Bromochloromethane, Bromodichloromethane, Carbon Disulfide, cis-1,2-Dichloroethene, Carbon Tetrachloride, Chloroform, Diethyl Ether and Dibromomethane due to matrix interferences. These analytes exceed the upper control limit.

The Relative Percent Difference for the Matrix Spike/Matrix Spike Duplicate was outside of the recommended range for 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane, 1,4-Dioxane - Screen, Hexachlorobutadiene and Naphthalene.

Continuing Calibration was outside of the recommended range for 1,4-Dioxane - Screen. This analyte was below the lower control limit.

Linear Regression @ valve was outside criteria for 1,4-Dioxane - Screen.

No other observations noted.

End of Project Narrative.

mdp

Metals Data Package

Metals Sample Data

ESS Laboratory

SDG: 0608248
CLASS: METALS
METHOD: 6010B

ANALYSES DATA PACKAGE COVER PAGE

6010B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Client Sample Id:

Lab Sample Id:

| | |
|-----------------------|----------------------|
| <u>SS-SI69 E</u> | <u>0608248-01</u> |
| <u>SS-SI69 E</u> | <u>0608248-01RE1</u> |
| <u>SS-SI71 W1</u> | <u>0608248-02</u> |
| <u>SS-SI71 W1</u> | <u>0608248-02RE1</u> |
| <u>SS-SI72 N1</u> | <u>0608248-03</u> |
| <u>SS-SI72 N1</u> | <u>0608248-03RE1</u> |
| <u>SS-SI73 B1</u> | <u>0608248-04</u> |
| <u>SS-SI73 B1</u> | <u>0608248-04RE1</u> |
| <u>SS-SI73 B1 Dup</u> | <u>0608248-05</u> |
| <u>SS-SI73 B1 Dup</u> | <u>0608248-05RE1</u> |
| <u>SS-SI74 E1</u> | <u>0608248-06</u> |
| <u>SS-SI75 S1</u> | <u>0608248-07</u> |
| <u>SS-SI75 S1</u> | <u>0608248-07RE1</u> |
| <u>SS-SI70 N</u> | <u>0608248-08</u> |
| <u>SS-SI70 N</u> | <u>0608248-08RE1</u> |
| <u>SS-SI70 N</u> | <u>0608248-08RE2</u> |
| <u>SS-SI70 B1</u> | <u>0608248-09</u> |
| <u>SS-SI77 B1</u> | <u>0608248-10</u> |
| <u>SS-SI77 B1</u> | <u>0608248-10RE1</u> |
| <u>Vertex Fill</u> | <u>0608248-11</u> |
| <u>Vertex Fill</u> | <u>0608248-11RE1</u> |

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures.

Signature: _____

Name: _____

Date: _____

Title: _____

METHOD DETECTION AND REPORTING LIMITS

6010B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Solid

Instrument: ICP2

| Analyte | MDL | MRL | Units |
|-----------|------|------|-------|
| Aluminum | 2.7 | 6.7 | mg/kg |
| Calcium | 18.7 | 26.7 | mg/kg |
| Copper | 0.2 | 1.3 | mg/kg |
| Iron | 4.7 | 6.7 | mg/kg |
| Magnesium | 0.7 | 13.3 | mg/kg |
| Zinc | 1.6 | 3.3 | mg/kg |

METHOD DETECTION AND REPORTING LIMITS

6010B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Solid

Instrument: ICP3

| Analyte | MDL | MRL | Units |
|-----------|-------|------|-------|
| Aluminum | 2.7 | 6.7 | mg/kg |
| Antimony | 0.4 | 6.7 | mg/kg |
| Beryllium | 0.008 | 0.07 | mg/kg |
| Cadmium | 0.05 | 0.67 | mg/kg |
| Calcium | 18.7 | 26.7 | mg/kg |
| Chromium | 0.2 | 1.3 | mg/kg |
| Copper | 0.2 | 1.3 | mg/kg |
| Iron | 4.7 | 6.7 | mg/kg |
| Lead | 0.2 | 6.7 | mg/kg |
| Magnesium | 0.7 | 13.3 | mg/kg |
| Nickel | 0.3 | 3.3 | mg/kg |
| Selenium | 0.5 | 6.7 | mg/kg |
| Silver | 0.04 | 0.67 | mg/kg |
| Zinc | 1.6 | 3.3 | mg/kg |

INORGANIC ANALYSIS DATA SHEET

SS-SI69 E

6010B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Soil

Laboratory ID: 0608248-01

File ID: 081406NAD-022

Sampled: 08/14/06 11:35

Prepared: 08/14/06 14:45

Analyzed: 08/14/06 17:31

Solids: 64.00

Preparation: 3050B

Initial/Final: 1.75 g / 100 ml

Batch: BH61418

Sequence: BPH0306

Calibration: UNASSIGNED

Instrument: ICP3

| CAS NO. | Analyte | Concentration (mg/kg dry) | Dilution Factor | Q | Method |
|-----------|---------|---------------------------|-----------------|---|--------|
| 7440-50-8 | Copper | 2610 | 1 | E | 6010B |

INORGANIC ANALYSIS DATA SHEET

SS-SI69 E

6010B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Soil

Laboratory ID: 0608248-01RE1

File ID: 081406XAD-019

Sampled: 08/14/06 11:35

Prepared: 08/14/06 14:45

Analyzed: 08/14/06 20:45

Solids: 64.00

Preparation: 3050B

Initial/Final: 1.75 g / 100 ml

Batch: BH61418

Sequence: BPH0303

Calibration: UNASSIGNED

Instrument: ICP2

| CAS NO. | Analyte | Concentration (mg/kg dry) | Dilution Factor | Q | Method |
|-----------|---------|------------------------------|--------------------|---|--------|
| 7440-50-8 | Copper | 2590 | 5 | D | 6010B |

INORGANIC ANALYSIS DATA SHEET

SS-SI71 W1

6010B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Soil

Laboratory ID: 0608248-02

File ID: 081406NAD-023

Sampled: 08/14/06 12:15

Prepared: 08/14/06 14:45

Analyzed: 08/14/06 17:36

Solids: 94.00

Preparation: 3050B

Initial/Final: 1.77 g / 100 ml

Batch: BH61418

Sequence: BPH0306

Calibration: UNASSIGNED

Instrument: ICP3

| CAS NO. | Analyte | Concentration (mg/kg dry) | Dilution Factor | Q | Method |
|-----------|---------|------------------------------|--------------------|---|--------|
| 7440-50-8 | Copper | 820 | 1 | E | 6010B |

INORGANIC ANALYSIS DATA SHEET

SS-SI71 W1

6010B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Soil

Laboratory ID: 0608248-02RE1

File ID: 081406XAD-020

Sampled: 08/14/06 12:15

Prepared: 08/14/06 14:45

Analyzed: 08/14/06 20:49

Solids: 94.00

Preparation: 3050B

Initial/Final: 1.77 g / 100 ml

Batch: BH61418

Sequence:

BPH0303

Calibration: UNASSIGNED

Instrument: ICP2

| CAS NO. | Analyte | Concentration (mg/kg dry) | Dilution Factor | Q | Method |
|-----------|---------|------------------------------|--------------------|---|--------|
| 7440-50-8 | Copper | 801 | 5 | D | 6010B |

INORGANIC ANALYSIS DATA SHEET

SS-SI72 N1

6010B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Soil

Laboratory ID: 0608248-03

File ID: 081406NAD-027

Sampled: 08/14/06 12:30

Prepared: 08/14/06 14:45

Analyzed: 08/14/06 17:59

Solids: 89.00

Preparation: 3050B

Initial/Final: 1.83 g / 100 ml

Batch: BH61418

Sequence: BPH0306

Calibration: UNASSIGNED

Instrument: ICP3

| CAS NO. | Analyte | Concentration (mg/kg dry) | Dilution Factor | Q | Method |
|-----------|---------|------------------------------|--------------------|---|--------|
| 7440-50-8 | Copper | 2660 | 1 | E | 6010B |

INORGANIC ANALYSIS DATA SHEET

SS-SI72 N1

6010B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Soil

Laboratory ID: 0608248-03RE1

File ID: 081406XAD-021

Sampled: 08/14/06 12:30

Prepared: 08/14/06 14:45

Analyzed: 08/14/06 20:53

Solids: 89.00

Preparation: 3050B

Initial/Final: 1.83 g / 100 ml

Batch: BH61418

Sequence: BPH0303

Calibration: UNASSIGNED

Instrument: ICP2

| CAS NO. | Analyte | Concentration (mg/kg dry) | Dilution Factor | Q | Method |
|-----------|---------|------------------------------|--------------------|---|--------|
| 7440-50-8 | Copper | 2650 | 10 | D | 6010B |

INORGANIC ANALYSIS DATA SHEET

SS-SI73 B1

6010B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Soil

Laboratory ID: 0608248-04

File ID: 081406NAD-028

Sampled: 08/14/06 12:55

Prepared: 08/14/06 14:45

Analyzed: 08/14/06 18:04

Solids: 91.00

Preparation: 3050B

Initial/Final: 1.81 g / 100 ml

Batch: BH61418

Sequence: BPH0306

Calibration: UNASSIGNED

Instrument: ICP3

| CAS NO. | Analyte | Concentration (mg/kg dry) | Dilution Factor | Q | Method |
|-----------|---------|------------------------------|--------------------|---|--------|
| 7440-50-8 | Copper | 639 | 1 | E | 6010B |

INORGANIC ANALYSIS DATA SHEET

SS-SI73 B1

6010B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Soil

Laboratory ID: 0608248-04RE1

File ID: 081406XAD-022

Sampled: 08/14/06 12:55

Prepared: 08/14/06 14:45

Analyzed: 08/14/06 20:57

Solids: 91.00

Preparation: 3050B

Initial/Final: 1.81 g / 100 ml

Batch: BH61418

Sequence: BPH0303

Calibration: UNASSIGNED

Instrument: ICP2

| CAS NO. | Analyte | Concentration (mg/kg dry) | Dilution Factor | Q | Method |
|-----------|---------|------------------------------|--------------------|---|--------|
| 7440-50-8 | Copper | 616 | 5 | D | 6010B |

INORGANIC ANALYSIS DATA SHEET

SS-SI73 B1 Dup

6010B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Soil

Laboratory ID: 0608248-05

File ID: 081406NAD-031

Sampled: 08/14/06 12:55

Prepared: 08/14/06 14:45

Analyzed: 08/14/06 18:18

Solids: 90.00

Preparation: 3050B

Initial/Final: 1.88 g / 100 ml

Batch: BH61418

Sequence: BPH0306

Calibration: UNASSIGNED

Instrument: ICP3

| CAS NO. | Analyte | Concentration (mg/kg dry) | Dilution Factor | Q | Method |
|-----------|---------|------------------------------|--------------------|---|--------|
| 7440-50-8 | Copper | 531 | 1 | E | 6010B |

INORGANIC ANALYSIS DATA SHEET

SS-SI73 B1 Dup

6010B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Soil

Laboratory ID: 0608248-05RE1

File ID: 081406XAD-023

Sampled: 08/14/06 12:55

Prepared: 08/14/06 14:45

Analyzed: 08/14/06 21:02

Solids: 90.00

Preparation: 3050B

Initial/Final: 1.88 g / 100 ml

Batch: BH61418

Sequence: BPH0303

Calibration: UNASSIGNED

Instrument: ICP2

| CAS NO. | Analyte | Concentration (mg/kg dry) | Dilution Factor | Q | Method |
|-----------|---------|------------------------------|--------------------|---|--------|
| 7440-50-8 | Copper | 524 | 5 | D | 6010B |

INORGANIC ANALYSIS DATA SHEET

SS-SI74 E1

6010B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Soil

Laboratory ID: 0608248-06

File ID: 081406XAD-024

Sampled: 08/14/06 13:00

Prepared: 08/14/06 14:45

Analyzed: 08/14/06 21:06

Solids: 92.00

Preparation: 3050B

Initial/Final: 1.77 g / 100 ml

Batch: BH61418

Sequence: BPH0303

Calibration: UNASSIGNED

Instrument: ICP2

| CAS NO. | Analyte | Concentration (mg/kg dry) | Dilution Factor | Q | Method |
|-----------|---------|------------------------------|--------------------|---|--------|
| 7440-50-8 | Copper | 122 | 1 | | 6010B |

INORGANIC ANALYSIS DATA SHEET

SS-SI75 S1

6010B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Soil

Laboratory ID: 0608248-07

File ID: 081406NAD-033

Sampled: 08/14/06 13:10

Prepared: 08/14/06 14:45

Analyzed: 08/14/06 18:28

Solids: 96.00

Preparation: 3050B

Initial/Final: 1.81 g / 100 ml

Batch: BH61418

Sequence: BPH0306

Calibration: UNASSIGNED

Instrument: ICP3

| CAS NO. | Analyte | Concentration (mg/kg dry) | Dilution Factor | Q | Method |
|-----------|---------|------------------------------|--------------------|---|--------|
| 7440-50-8 | Copper | 480 | 1 | E | 6010B |

INORGANIC ANALYSIS DATA SHEET

SS-SI75 S1

6010B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Soil

Laboratory ID: 0608248-07RE1

File ID: 081406XAD-027

Sampled: 08/14/06 13:10

Prepared: 08/14/06 14:45

Analyzed: 08/14/06 21:19

Solids: 96.00

Preparation: 3050B

Initial/Final: 1.81 g / 100 ml

Batch: BH61418

Sequence: BPH0303

Calibration: UNASSIGNED

Instrument: ICP2

| CAS NO. | Analyte | Concentration (mg/kg dry) | Dilution Factor | Q | Method |
|-----------|---------|------------------------------|--------------------|---|--------|
| 7440-50-8 | Copper | 473 | 5 | D | 6010B |

INORGANIC ANALYSIS DATA SHEET

SS-SI70 N

6010B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Soil

Laboratory ID: 0608248-08

File ID: 081406NAD-034

Sampled: 08/14/06 13:15

Prepared: 08/14/06 14:45

Analyzed: 08/14/06 18:33

Solids: 22.00

Preparation: 3050B

Initial/Final: 1.78 g / 100 ml

Batch: BH61418

Sequence:

BPH0306

Calibration: UNASSIGNED

Instrument: ICP3

| CAS NO. | Analyte | Concentration (mg/kg dry) | Dilution Factor | Q | Method |
|-----------|---------|------------------------------|--------------------|---|--------|
| 7440-50-8 | Copper | 11100 | 1 | E | 6010B |

INORGANIC ANALYSIS DATA SHEET

SS-SI70 N

6010B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Soil

Laboratory ID: 0608248-08RE1

File ID: 081406XAD-028

Sampled: 08/14/06 13:15

Prepared: 08/14/06 14:45

Analyzed: 08/14/06 21:23

Solids: 22.00

Preparation: 3050B

Initial/Final: 1.78 g / 100 ml

Batch: BH61418

Sequence: BPH0303

Calibration: UNASSIGNED

Instrument: ICP2

| CAS NO. | Analyte | Concentration (mg/kg dry) | Dilution Factor | Q | Method |
|-----------|---------|------------------------------|--------------------|---|--------|
| 7440-50-8 | Copper | 10800 | 10 | D | 6010B |

INORGANIC ANALYSIS DATA SHEET

SS-SI70 B1

6010B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Soil

Laboratory ID: 0608248-09

File ID: 081406NAD-039

Sampled: 08/14/06 13:30

Prepared: 08/14/06 14:45

Analyzed: 08/14/06 18:57

Solids: 93.00

Preparation: 3050B

Initial/Final: 1.86 g / 100 ml

Batch: BH61418

Sequence:

BPH0306

Calibration: UNASSIGNED

Instrument: ICP3

| CAS NO. | Analyte | Concentration (mg/kg dry) | Dilution Factor | Q | Method |
|-----------|-----------|------------------------------|--------------------|---|--------|
| 7440-36-0 | Antimony | 5.8 | 1 | U | 6010B |
| 7440-41-7 | Beryllium | 0.07 | 1 | | 6010B |
| 7440-43-9 | Cadmium | 0.58 | 1 | U | 6010B |
| 7440-47-3 | Chromium | 4.3 | 1 | | 6010B |
| 7440-50-8 | Copper | 81.1 | 1 | | 6010B |
| 7439-92-1 | Lead | 298 | 1 | | 6010B |
| 7440-02-0 | Nickel | 5.1 | 1 | | 6010B |
| 7782-49-2 | Selenium | 5.8 | 1 | U | 6010B |
| 7440-22-4 | Silver | 81.4 | 1 | | 6010B |
| 7440-66-6 | Zinc | 36.8 | 1 | | 6010B |

INORGANIC ANALYSIS DATA SHEET

SS-SI77 B1

6010B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Soil

Laboratory ID: 0608248-10

File ID: 081406NAD-040

Sampled: 08/14/06 13:40

Prepared: 08/14/06 14:45

Analyzed: 08/14/06 19:01

Solids: 94.00

Preparation: 3050B

Initial/Final: 1.76 g / 100 ml

Batch: BH61418

Sequence: BPH0306

Calibration: UNASSIGNED

Instrument: ICP3

| CAS NO. | Analyte | Concentration (mg/kg dry) | Dilution Factor | Q | Method |
|-----------|-----------|---------------------------|-----------------|---|--------|
| 7440-36-0 | Antimony | 6.0 | 1 | U | 6010B |
| 7440-41-7 | Beryllium | 0.11 | 1 | | 6010B |
| 7440-43-9 | Cadmium | 0.78 | 1 | | 6010B |
| 7440-47-3 | Chromium | 15.5 | 1 | | 6010B |
| 7440-50-8 | Copper | 352 | 1 | E | 6010B |
| 7439-92-1 | Lead | 630 | 1 | | 6010B |
| 7440-02-0 | Nickel | 13.5 | 1 | | 6010B |
| 7782-49-2 | Selenium | 6.0 | 1 | U | 6010B |
| 7440-22-4 | Silver | 12.3 | 1 | | 6010B |
| 7440-66-6 | Zinc | 190 | 1 | E | 6010B |

INORGANIC ANALYSIS DATA SHEET

SS-SI77 B1

6010B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Soil

Laboratory ID: 0608248-10RE1

File ID: 081406XAD-034

Sampled: 08/14/06 13:40

Prepared: 08/14/06 14:45

Analyzed: 08/14/06 21:48

Solids: 94.00

Preparation: 3050B

Initial/Final: 1.76 g / 100 ml

Batch: BH61418

Sequence: BPH0303

Calibration: UNASSIGNED

Instrument: ICP2

| CAS NO. | Analyte | Concentration (mg/kg dry) | Dilution Factor | Q | Method |
|-----------|---------|------------------------------|--------------------|---|--------|
| 7440-50-8 | Copper | 341 | 2 | D | 6010B |
| 7440-66-6 | Zinc | 193 | 2 | D | 6010B |

INORGANIC ANALYSIS DATA SHEET

Vertex Fill

6010B

 Laboratory: ESS Laboratory

 SDG: 0608248

 Client: MACTEC Engineering & Consulting, Inc.

 Project: Providence Gorham Site

 Matrix: Soil

 Laboratory ID: 0608248-11

 File ID: 081406NAD-043

 Sampled: 08/14/06 14:00

 Prepared: 08/14/06 14:45

 Analyzed: 08/14/06 19:15

 Solids: 99.00

 Preparation: 3050B

 Initial/Final: 1.78 g / 100 ml

 Batch: BH61418

 Sequence: BPH0306

 Calibration: UNASSIGNED

 Instrument: ICP3

| CAS NO. | Analyte | Concentration (mg/kg dry) | Dilution Factor | Q | Method |
|-----------|-----------|------------------------------|--------------------|---|--------|
| 7440-36-0 | Antimony | 5.7 | 1 | U | 6010B |
| 7440-41-7 | Beryllium | 0.08 | 1 | | 6010B |
| 7440-43-9 | Cadmium | 0.57 | 1 | U | 6010B |
| 7440-47-3 | Chromium | 2.4 | 1 | | 6010B |
| 7440-50-8 | Copper | 3.8 | 1 | | 6010B |
| 7439-92-1 | Lead | 5.7 | 1 | U | 6010B |
| 7440-02-0 | Nickel | 2.8 | 1 | U | 6010B |
| 7782-49-2 | Selenium | 5.7 | 1 | U | 6010B |
| 7440-22-4 | Silver | 0.57 | 1 | U | 6010B |
| 7440-66-6 | Zinc | 15.6 | 1 | | 6010B |

Metals Quality Control Data

DUPLICATES

SS-SI70 N

6010B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Solid

Laboratory ID: BH61418-DUP1

Batch: BH61418

Lab Source ID: 0608248-08

Preparation: 3050B

Initial/Final: 1.75 g / 100 ml

Source Sample Name: SS-SI70 N

% Solids: 22.00

| ANALYTE | CONTROL LIMIT | SAMPLE CONCENTRATION (mg/kg dry) | C | DUPLICATE CONCENTRATION (mg/kg dry) | C | RPD % | Q | METHOD |
|---------|---------------|----------------------------------|---|-------------------------------------|---|-------|---|--------|
| Copper | 35 | 11100 | | 11800 | | 6 | | 6010B |

* Values outside of QC limits

DUPLICATES

Vertex Fill

6010B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Solid

Laboratory ID: BH61418-DUP2

Batch: BH61418

Lab Source ID: 0608248-11

Preparation: 3050B

Initial/Final: 1.77 g / 100 ml

Source Sample Name: Vertex Fill

% Solids: 99.00

| ANALYTE | CONTROL LIMIT | SAMPLE CONCENTRATION (mg/kg dry) | C | DUPLICATE CONCENTRATION (mg/kg dry) | C | RPD % | Q | METHOD |
|-----------|---------------|----------------------------------|---|-------------------------------------|---|-------|---|--------|
| Antimony | 35 | ND | | ND | | | | 6010B |
| Beryllium | 35 | 0.08 | | 0.079 | | 1 | | 6010B |
| Cadmium | 35 | 0.04 | | ND | | | | 6010B |
| Chromium | 35 | 2.4 | | 2.36 | | 2 | | 6010B |
| Copper | 35 | 3.8 | | 4.24 | | 11 | | 6010B |
| Lead | 35 | 3.8 | | ND | | | | 6010B |
| Nickel | 35 | 1.6 | | ND | | | | 6010B |
| Selenium | 35 | ND | | ND | | | | 6010B |
| Silver | 35 | ND | | ND | | | | 6010B |
| Zinc | 35 | 15.6 | | 15.5 | | 0.6 | | 6010B |

* Values outside of QC limits

DUPLICATES

SS-SI70 N

6010B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Solid

Laboratory ID: BH61418-DUP3

Batch: BH61418

Lab Source ID: 0608248-08RE1

Preparation: 3050B

Initial/Final: 1.75 g / 100 ml

Source Sample Name: SS-SI70 N

% Solids: 22.00

| ANALYTE | CONTROL LIMIT | SAMPLE CONCENTRATION (mg/kg dry) | C | DUPLICATE CONCENTRATION (mg/kg dry) | C | RPD % | Q | METHOD |
|---------|---------------|----------------------------------|---|-------------------------------------|---|-------|---|--------|
| Copper | 35 | 10800 | | 11600 | | 7 | | 6010B |

* Values outside of QC limits

DUPLICATES

Vertex Fill

6010B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Solid

Laboratory ID: BH61418-DUP4

Batch: BH61418

Lab Source ID: 0608248-11

Preparation: 3050B

Initial/Final: 1.77 g / 100 ml

Source Sample Name: Vertex Fill

% Solids: 99.00

| ANALYTE | CONTROL LIMIT | SAMPLE CONCENTRATION (mg/kg dry) | C | DUPLICATE CONCENTRATION (mg/kg dry) | C | RPD % | Q | METHOD |
|---------|---------------|----------------------------------|---|-------------------------------------|---|-------|---|--------|
| Copper | 35 | 3.8 | | 4.24 | | 11 | | 6010B |
| Zinc | 35 | 15.6 | | 15.5 | | 0.6 | | 6010B |

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

6010B

SS-SI70 N

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Solid

Batch: BH61418

Laboratory ID: BH61418-MS1

Preparation: 3050B

Initial/Final: 1.77 g / 100 ml

Source Sample Name: SS-SI70 N

| COMPOUND | SPIKE ADDED (mg/kg dry) | SAMPLE CONCENTRATION (mg/kg dry) | MS CONCENTRATION (mg/kg dry) | MS % REC. # | QC LIMITS REC. |
|----------|----------------------------|-------------------------------------|---------------------------------|----------------|-------------------|
| Copper | 128 | 11100 | 12500 | 1090 * | 75 - 125 |

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Vertex Fill

6010B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Solid

Batch: BH61418

Laboratory ID: BH61418-MS2

Preparation: 3050B

Initial/Final: 1.75 g / 100 ml

Source Sample Name: Vertex Fill

| COMPOUND | SPIKE ADDED (mg/kg dry) | SAMPLE CONCENTRATION (mg/kg dry) | MS CONCENTRATION (mg/kg dry) | MS % REC. # | QC LIMITS REC. |
|-----------|-------------------------|----------------------------------|------------------------------|-------------|----------------|
| Antimony | 28.9 | ND | 17.4 | 60 * | 75 - 125 |
| Beryllium | 2.89 | 0.08 | 2.37 | 79 | 75 - 125 |
| Cadmium | 14.4 | 0.04 | 11.2 | 78 | 75 - 125 |
| Chromium | 28.9 | 2.4 | 25.5 | 80 | 75 - 125 |
| Copper | 28.9 | 3.8 | 24.9 | 73 * | 75 - 125 |
| Lead | 28.9 | 3.8 | 24.8 | 73 * | 75 - 125 |
| Nickel | 28.9 | 1.6 | 24.1 | 78 | 75 - 125 |
| Selenium | 57.7 | ND | 42.5 | 74 * | 75 - 125 |
| Silver | 14.4 | ND | 11.4 | 79 | 75 - 125 |
| Zinc | 28.9 | 15.6 | 37.8 | 77 | 75 - 125 |

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

6010B

SS-SI70 N

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Solid

Batch: BH61418

Laboratory ID: BH61418-MS3

Preparation: 3050B

Initial/Final: 1.77 g / 100 ml

Source Sample Name: SS-SI70 N

| COMPOUND | SPIKE ADDED (mg/kg dry) | SAMPLE CONCENTRATION (mg/kg dry) | MS CONCENTRATION (mg/kg dry) | MS % REC. # | QC LIMITS REC. |
|----------|----------------------------|-------------------------------------|---------------------------------|-------------|----------------|
| Copper | 128 | 10800 | 12600 | 1410 * | 75 - 125 |

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Vertex Fill

6010B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Solid

Batch: BH61418

Laboratory ID: BH61418-MS4

Preparation: 3050B

Initial/Final: 1.75 g / 100 ml

Source Sample Name: Vertex Fill

| COMPOUND | SPIKE ADDED (mg/kg dry) | SAMPLE CONCENTRATION (mg/kg dry) | MS CONCENTRATION (mg/kg dry) | MS % REC. # | QC LIMITS REC. |
|-----------|-------------------------|----------------------------------|------------------------------|-------------|----------------|
| Aluminum | 144 | 3130 | 3230 | 69 * | 75 - 125 |
| Calcium | 289 | 303 | 588 | 99 | 75 - 125 |
| Copper | 28.9 | 3.8 | 24.9 | 73 * | 75 - 125 |
| Iron | 144 | 3710 | 4210 | 347 * | 75 - 125 |
| Magnesium | 289 | 615 | 864 | 86 | 75 - 125 |
| Zinc | 28.9 | 15.6 | 37.8 | 77 | 75 - 125 |

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

6010B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Solid

Batch: BH61418

Laboratory ID: BH61418-BS1

Preparation: 3050B

Initial/Final: 1.5 g / 100 ml

| COMPOUND | SPIKE ADDED (mg/kg wet) | LCS CONCENTRATION (mg/kg wet) | LCS % REC. # | QC LIMITS REC. |
|-----------|-------------------------|-------------------------------|--------------|----------------|
| Antimony | 33.3 | 29.4 | 88 | 80 - 120 |
| Beryllium | 3.33 | 3.06 | 92 | 80 - 120 |
| Cadmium | 16.7 | 15.1 | 90 | 80 - 120 |
| Chromium | 33.3 | 32.0 | 96 | 80 - 120 |
| Copper | 33.3 | 31.2 | 94 | 80 - 120 |
| Lead | 33.3 | 30.3 | 91 | 80 - 120 |
| Nickel | 33.3 | 31.7 | 95 | 80 - 120 |
| Selenium | 66.7 | 56.9 | 85 | 80 - 120 |
| Silver | 16.7 | 15.5 | 93 | 80 - 120 |
| Zinc | 33.3 | 30.6 | 92 | 80 - 120 |

| COMPOUND | SPIKE ADDED (mg/kg wet) | LCS D CONCENTRATION (mg/kg wet) | LCS D % REC. # | % RPD # | QC LIMITS | |
|-----------|-------------------------|---------------------------------|----------------|---------|-----------|----------|
| | | | | | RPD | REC. |
| Antimony | 33.3 | 30.2 | 91 | 3 | 20 | 80 - 120 |
| Beryllium | 3.33 | 3.14 | 94 | 3 | 20 | 80 - 120 |
| Cadmium | 16.7 | 15.6 | 93 | 3 | 20 | 80 - 120 |
| Chromium | 33.3 | 32.5 | 98 | 2 | 20 | 80 - 120 |
| Copper | 33.3 | 32.2 | 97 | 3 | 20 | 80 - 120 |
| Lead | 33.3 | 31.5 | 95 | 4 | 20 | 80 - 120 |
| Nickel | 33.3 | 32.2 | 97 | 2 | 20 | 80 - 120 |
| Selenium | 66.7 | 58.0 | 87 | 2 | 20 | 80 - 120 |
| Silver | 16.7 | 15.8 | 95 | 2 | 20 | 80 - 120 |
| Zinc | 33.3 | 31.2 | 94 | 2 | 20 | 80 - 120 |

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

6010B

| | |
|--|--|
| Laboratory: <u>ESS Laboratory</u> | SDG: <u>0608248</u> |
| Client: <u>MACTEC Engineering & Consulting, Inc.</u> | Project: <u>Providence Gorham Site</u> |
| Matrix: <u>Solid</u> | |
| Batch: <u>BH61418</u> | Laboratory ID: <u>BH61418-BS2</u> |
| Preparation: <u>3050B</u> | Initial/Final: <u>1.5 g / 100 ml</u> |

| COMPOUND | SPIKE ADDED (mg/kg wet) | LCS CONCENTRATION (mg/kg wet) | LCS % REC. # | QC LIMITS REC. |
|-----------|----------------------------|----------------------------------|-----------------|-------------------|
| Aluminum | 167 | 152 | 91 | 80 - 120 |
| Calcium | 333 | 327 | 98 | 80 - 120 |
| Copper | 33.3 | 31.2 | 94 | 80 - 120 |
| Iron | 167 | 162 | 97 | 80 - 120 |
| Magnesium | 333 | 313 | 94 | 80 - 120 |
| Zinc | 33.3 | 30.6 | 92 | 80 - 120 |

| COMPOUND | SPIKE ADDED (mg/kg wet) | LCSD CONCENTRATION (mg/kg wet) | LCSD % REC. # | % RPD # | QC LIMITS | |
|----------|----------------------------|-----------------------------------|------------------|------------|-----------|----------|
| | | | | | RPD | REC. |
| Copper | 33.3 | 32.2 | 97 | 3 | 20 | 80 - 120 |
| Zinc | 33.3 | 31.2 | 94 | 2 | 20 | 80 - 120 |

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

STANDARD REFERENCE MATERIAL RECOVERY

6010B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Solid

Batch: BH61418

Laboratory ID: BH61418-SRM1

Preparation: 3050B

Initial/Final: 1 g / 100 ml

| ANALYTE | TRUE (mg/kg wet) | FOUND (mg/kg wet) | SRM % REC. | QC LIMITS REC. |
|-----------|---------------------|----------------------|------------------|----------------------|
| Antimony | 77.5 | 55.5 | 72 | 0 - 223.23 |
| Beryllium | 143 | 138 | 97 | 81.82 - 118.18 |
| Cadmium | 233 | 209 | 90 | 80.69 - 118.88 |
| Chromium | 60.8 | 55.3 | 91 | 78.45 - 121.38 |
| Copper | 131 | 126 | 96 | 82.44 - 117.56 |
| Lead | 76.8 | 73.2 | 95 | 80.6 - 119.53 |
| Nickel | 49.6 | 47.6 | 96 | 81.45 - 118.55 |
| Selenium | 82.9 | 78.4 | 95 | 75.51 - 124.25 |
| Silver | 80.0 | 80.8 | 101 | 61.25 - 138.75 |
| Zinc | 116 | 102 | 88 | 78.02 - 121.55 |

* Values outside of QC limits

STANDARD REFERENCE MATERIAL RECOVERY

6010B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Solid

Batch: BH61418

Laboratory ID: BH61418-SRM3

Preparation: 3050B

Initial/Final: 1 g / 100 ml

| ANALYTE | TRUE (mg/kg wet) | FOUND (mg/kg wet) | SRM % REC. | QC LIMITS REC. |
|---------|---------------------|----------------------|------------------|----------------------|
| Copper | 131 | 126 | 96 | 82.44 - 117.56 |
| Zinc | 116 | 102 | 88 | 78.02 - 121.55 |

* Values outside of QC limits

POST DIGEST SPIKE SAMPLE RECOVERY

SS-SI70 N

6010B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Solid

Laboratory ID: BH61418-PS1

Batch: BH61418

Lab Source ID: 0608248-08

Preparation: 3050B

Initial/Final: 0.178 g / 10 ml

Source Sample Name: SS-SI70 N

% Solids: 22.00

| Analyte | Control Limit %R | Spike Sample Result (SSR) (mg/L) | Sample Result (SR) (mg/L) | Spike Added (SA) (mg/L) | %R |
|---------|------------------|----------------------------------|---------------------------|-------------------------|--------|
| Copper | 75 - 125 | 42.5 | 43.4 | 0.500 | -180 * |

* Values outside of QC limits

POST DIGEST SPIKE SAMPLE RECOVERY

Vertex Fill

6010B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Solid

Laboratory ID: BH61418-PS2

Batch: BH61418

Lab Source ID: 0608248-11

Preparation: 3050B

Initial/Final: 0.178 g / 10 ml

Source Sample Name: Vertex Fill

% Solids: 99.00

| Analyte | Control Limit %R | Spike Sample Result (SSR) (mg/L) | Sample Result (SR) (mg/L) | Spike Added (SA) (mg/L) | %R |
|-----------|------------------|----------------------------------|---------------------------|-------------------------|----|
| Antimony | 75 - 125 | 0.418 | -0.0157 | 0.500 | 87 |
| Beryllium | 75 - 125 | 0.047 | 0.00139 | 0.0500 | 91 |
| Cadmium | 75 - 125 | 0.227 | 0.000757 | 0.250 | 90 |
| Chromium | 75 - 125 | 0.510 | 0.0423 | 0.500 | 94 |
| Copper | 75 - 125 | 0.537 | 0.0671 | 0.500 | 94 |
| Lead | 75 - 125 | 0.511 | 0.0663 | 0.500 | 89 |
| Nickel | 75 - 125 | 0.484 | 0.0287 | 0.500 | 91 |
| Selenium | 75 - 125 | 0.866 | 0.000531 | 1.00 | 87 |
| Silver | 75 - 125 | 0.230 | 0.000343 | 0.250 | 92 |
| Zinc | 75 - 125 | 0.708 | 0.274 | 0.500 | 87 |

* Values outside of QC limits

POST DIGEST SPIKE SAMPLE RECOVERY

SS-SI70 N

6010B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Solid

Laboratory ID: BH61418-PS3

Batch: BH61418

Lab Source ID: 0608248-08RE1

Preparation: 3050B

Initial/Final: 0.0178 g / 10 ml

Source Sample Name: SS-SI70 N

% Solids: 22.00

| Analyte | Control Limit %R | Spike Sample Result (SSR) (mg/L) | Sample Result (SR) (mg/L) | Spike Added (SA) (mg/L) | %R |
|---------|------------------|----------------------------------|---------------------------|-------------------------|-----|
| Copper | 75 - 125 | 4.80 | 4.24 | 0.500 | 112 |

* Values outside of QC limits

POST DIGEST SPIKE SAMPLE RECOVERY

Vertex Fill

6010B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Solid

Laboratory ID: BH61418-PS4

Batch: BH61418

Lab Source ID: 0608248-11

Preparation: 3050B

Initial/Final: 0.178 g / 10 ml

Source Sample Name: Vertex Fill

% Solids: 99.00

| Analyte | Control Limit %R | Spike Sample Result (SSR) (mg/L) | Sample Result (SR) (mg/L) | Spike Added (SA) (mg/L) | %R |
|---------|------------------|----------------------------------|---------------------------|-------------------------|----|
| Copper | 75 - 125 | 0.488 | 0.0671 | 0.500 | 84 |
| Zinc | 75 - 125 | 0.697 | 0.274 | 0.500 | 85 |

* Values outside of QC limits

SERIAL DILUTION

6010B

SS-SI70 N

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Solid

Laboratory ID: BPH0303-SRD1

Sequence: BPH0303

Lab Source ID: 0608248-08RE1

Preparation: BH61418

Initial/Final: 1.78 / 100

Source Sample Name: SS-SI70 N

% Solids: 22.00

| Analyte | Initial Sample Result (I) | C | Serial Dilution Result (S) | C | % Difference | Q | Method | QC Limits % Difference |
|---------|---------------------------|---|----------------------------|---|--------------|---|--------|------------------------|
| Copper | 10800 | | 10600 | | 2 | | 6010B | 10 |

* Values outside of QC limits

SERIAL DILUTION

6010B

Vertex Fill

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Solid

Laboratory ID: BPH0303-SRD2

Sequence: BPH0303

Lab Source ID: 0608248-11

Preparation: BH61418

Initial/Final: 1.78 / 100

Source Sample Name: Vertex Fill

% Solids: 99.00

| Analyte | Initial Sample Result (I) | C | Serial Dilution Result (S) | C | % Difference | Q | Method | QC Limits % Difference |
|---------|---------------------------|---|----------------------------|---|--------------|---|--------|------------------------|
| Copper | 3.8 | | ND | | | | 6010B | 10 |
| Zinc | 15.6 | | 17.8 | | 13 * | | 6010B | 10 |

* Values outside of QC limits

SERIAL DILUTION

6010B

SS-SI70 N

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Solid

Laboratory ID: BPH0306-SRD1

Sequence: BPH0306

Lab Source ID: 0608248-08

Preparation: BH61418

Initial/Final: 1.78 / 100

Source Sample Name: SS-SI70 N

% Solids: 22.00

| Analyte | Initial Sample Result (I) | C | Serial Dilution Result (S) | C | % Difference | Q | Method | QC Limits % Difference |
|-----------|---------------------------|---|----------------------------|---|--------------|---|--------|------------------------|
| Aluminum | 6650 | | 6750 | | 1 | | 6010B | 10 |
| Calcium | 11500 | | 11600 | | 0.9 | | 6010B | 10 |
| Copper | 11100 | | 11300 | | 2 | | 6010B | 10 |
| Iron | 16300 | | 16900 | | 4 | | 6010B | 10 |
| Magnesium | 2330 | | 2400 | | 3 | | 6010B | 10 |

* Values outside of QC limits

SERIAL DILUTION

6010B

Vertex Fill

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Solid

Laboratory ID: BPH0306-SRD2

Sequence: BPH0306

Lab Source ID: 0608248-11

Preparation: BH61418

Initial/Final: 1.78 / 100

Source Sample Name: Vertex Fill

% Solids: 99.00

| Analyte | Initial Sample Result (I) | C | Serial Dilution Result (S) | C | % Difference | Q | Method | QC Limits % Difference |
|-----------|---------------------------|---|----------------------------|---|--------------|---|--------|------------------------|
| Antimony | ND | | ND | | | | 6010B | 10 |
| Beryllium | 0.08 | | ND | | | | 6010B | 10 |
| Cadmium | 0.04 | | ND | | | | 6010B | 10 |
| Chromium | 2.4 | | ND | | | | 6010B | 10 |
| Lead | 3.8 | | ND | | | | 6010B | 10 |
| Nickel | 1.6 | | ND | | | | 6010B | 10 |
| Selenium | ND | | ND | | | | 6010B | 10 |
| Silver | ND | | ND | | | | 6010B | 10 |

* Values outside of QC limits

Metals Calibration Data

ANALYSIS BATCH (SEQUENCE) SUMMARY

6010B

| | | | |
|-------------|--|--------------|-------------------------------|
| Laboratory: | <u>ESS Laboratory</u> | SDG: | <u>0608248</u> |
| Client: | <u>MACTEC Engineering & Consulting, Inc.</u> | Project: | <u>Providence Gorham Site</u> |
| Sequence: | <u>BPH0306</u> | Instrument: | <u>ICP3</u> |
| Matrix: | <u>Solid</u> | Calibration: | <u>UNASSIGNED</u> |

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|----------------------|---------------|---------------|--------------------|
| Cal Standard | BPH0306-CAL1 | 081406NAD-001 | 08/14/06 15:39 |
| Cal Standard | BPH0306-CAL2 | 081406NAD-002 | 08/14/06 15:43 |
| Cal Standard | BPH0306-CAL3 | 081406NAD-003 | 08/14/06 15:48 |
| Cal Standard | BPH0306-CAL4 | 081406NAD-004 | 08/14/06 15:52 |
| Initial Cal Check | BPH0306-ICV1 | 081406NAD-005 | 08/14/06 15:56 |
| Secondary Cal Check | BPH0306-SCV1 | 081406NAD-006 | 08/14/06 16:01 |
| Initial Cal Blank | BPH0306-ICB1 | 081406NAD-007 | 08/14/06 16:05 |
| MRL Check | BPH0306-CRL1 | 081406NAD-008 | 08/14/06 16:10 |
| MRL Check | BPH0306-CRL2 | 081406NAD-009 | 08/14/06 16:14 |
| MRL Check | BPH0306-CRL3 | 081406NAD-010 | 08/14/06 16:19 |
| Interference Check A | BPH0306-IFA1 | 081406NAD-011 | 08/14/06 16:23 |
| Interference Check B | BPH0306-IFB1 | 081406NAD-012 | 08/14/06 16:28 |
| Blank | BH61418-BLK1 | 081406NAD-016 | 08/14/06 17:04 |
| LCS | BH61418-BS1 | 081406NAD-017 | 08/14/06 17:08 |
| LCS Dup | BH61418-BSD1 | 081406NAD-018 | 08/14/06 17:13 |
| Reference | BH61418-SRM1 | 081406NAD-019 | 08/14/06 17:17 |
| SS-SI69 E | 0608248-01 | 081406NAD-022 | 08/14/06 17:31 |
| SS-SI71 W1 | 0608248-02 | 081406NAD-023 | 08/14/06 17:36 |
| SS-SI72 N1 | 0608248-03 | 081406NAD-027 | 08/14/06 17:59 |
| SS-SI73 B1 | 0608248-04 | 081406NAD-028 | 08/14/06 18:04 |
| Calibration Check | BPH0306-CCV1 | 081406NAD-029 | 08/14/06 18:09 |
| Calibration Blank | BPH0306-CCB1 | 081406NAD-030 | 08/14/06 18:14 |
| SS-SI73 B1 Dup | 0608248-05 | 081406NAD-031 | 08/14/06 18:18 |
| SS-SI75 S1 | 0608248-07 | 081406NAD-033 | 08/14/06 18:28 |
| SS-SI70 N | 0608248-08 | 081406NAD-034 | 08/14/06 18:33 |
| SS-SI70 N | BH61418-DUP1 | 081406NAD-035 | 08/14/06 18:38 |
| SS-SI70 N | BH61418-MS1 | 081406NAD-036 | 08/14/06 18:42 |
| SS-SI70 N | BPH0306-SRD1 | 081406NAD-037 | 08/14/06 18:47 |
| SS-SI70 N | BH61418-PS1 | 081406NAD-038 | 08/14/06 18:52 |
| SS-SI70 B1 | 0608248-09 | 081406NAD-039 | 08/14/06 18:57 |
| SS-SI70 B1 | 0608248-09 | 081406NAD-039 | 08/14/06 18:57 |
| SS-SI70 B1 | 0608248-09 | 081406NAD-039 | 08/14/06 18:57 |

ANALYSIS BATCH (SEQUENCE) SUMMARY

6010B

| | | | |
|-------------|--|--------------|-------------------------------|
| Laboratory: | <u>ESS Laboratory</u> | SDG: | <u>0608248</u> |
| Client: | <u>MACTEC Engineering & Consulting, Inc.</u> | Project: | <u>Providence Gorham Site</u> |
| Sequence: | <u>BPH0306</u> | Instrument: | <u>ICP3</u> |
| Matrix: | <u>Solid</u> | Calibration: | <u>UNASSIGNED</u> |

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|-------------------|---------------|---------------|--------------------|
| SS-SI70 B1 | 0608248-09 | 081406NAD-039 | 08/14/06 18:57 |
| SS-SI70 B1 | 0608248-09 | 081406NAD-039 | 08/14/06 18:57 |
| SS-SI70 B1 | 0608248-09 | 081406NAD-039 | 08/14/06 18:57 |
| SS-SI70 B1 | 0608248-09 | 081406NAD-039 | 08/14/06 18:57 |
| SS-SI70 B1 | 0608248-09 | 081406NAD-039 | 08/14/06 18:57 |
| SS-SI77 B1 | 0608248-10 | 081406NAD-040 | 08/14/06 19:01 |
| SS-SI77 B1 | 0608248-10 | 081406NAD-040 | 08/14/06 19:01 |
| SS-SI77 B1 | 0608248-10 | 081406NAD-040 | 08/14/06 19:01 |
| SS-SI77 B1 | 0608248-10 | 081406NAD-040 | 08/14/06 19:01 |
| SS-SI77 B1 | 0608248-10 | 081406NAD-040 | 08/14/06 19:01 |
| SS-SI77 B1 | 0608248-10 | 081406NAD-040 | 08/14/06 19:01 |
| SS-SI77 B1 | 0608248-10 | 081406NAD-040 | 08/14/06 19:01 |
| SS-SI77 B1 | 0608248-10 | 081406NAD-040 | 08/14/06 19:01 |
| SS-SI77 B1 | 0608248-10 | 081406NAD-040 | 08/14/06 19:01 |
| SS-SI77 B1 | 0608248-10 | 081406NAD-040 | 08/14/06 19:01 |
| SS-SI77 B1 | 0608248-10 | 081406NAD-040 | 08/14/06 19:01 |
| SS-SI77 B1 | 0608248-10 | 081406NAD-040 | 08/14/06 19:01 |
| Calibration Check | BPH0306-CCV2 | 081406NAD-041 | 08/14/06 19:06 |
| Calibration Blank | BPH0306-CCB2 | 081406NAD-042 | 08/14/06 19:11 |
| Vertex Fill | 0608248-11 | 081406NAD-043 | 08/14/06 19:15 |
| Vertex Fill | 0608248-11 | 081406NAD-043 | 08/14/06 19:15 |
| Vertex Fill | 0608248-11 | 081406NAD-043 | 08/14/06 19:15 |
| Vertex Fill | 0608248-11 | 081406NAD-043 | 08/14/06 19:15 |
| Vertex Fill | 0608248-11 | 081406NAD-043 | 08/14/06 19:15 |
| Vertex Fill | 0608248-11 | 081406NAD-043 | 08/14/06 19:15 |
| Vertex Fill | 0608248-11 | 081406NAD-043 | 08/14/06 19:15 |
| Vertex Fill | 0608248-11 | 081406NAD-043 | 08/14/06 19:15 |
| Vertex Fill | BH61418-DUP2 | 081406NAD-044 | 08/14/06 19:20 |
| Vertex Fill | BH61418-MS2 | 081406NAD-045 | 08/14/06 19:24 |
| Vertex Fill | BPH0306-SRD2 | 081406NAD-046 | 08/14/06 19:29 |
| Vertex Fill | BH61418-PS2 | 081406NAD-047 | 08/14/06 19:33 |
| Calibration Check | BPH0306-CCV3 | 081406NAD-053 | 08/14/06 20:01 |
| Calibration Blank | BPH0306-CCB3 | 081406NAD-054 | 08/14/06 20:05 |
| Blank | BH61418-BLK1 | 081406XAD-015 | 08/14/06 20:28 |

ANALYSIS BATCH (SEQUENCE) SUMMARY

6010B

| | | | |
|-------------|--|--------------|-------------------------------|
| Laboratory: | <u>ESS Laboratory</u> | SDG: | <u>0608248</u> |
| Client: | <u>MACTEC Engineering & Consulting, Inc.</u> | Project: | <u>Providence Gorham Site</u> |
| Sequence: | <u>BPH0306</u> | Instrument: | <u>ICP3</u> |
| Matrix: | <u>Solid</u> | Calibration: | <u>UNASSIGNED</u> |

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|----------------------|---------------|---------------|--------------------|
| LCS | BH61418-BS1 | 081406XAD-016 | 08/14/06 20:32 |
| LCS Dup | BH61418-BSD1 | 081406XAD-017 | 08/14/06 20:36 |
| Reference | BH61418-SRM1 | 081406XAD-018 | 08/14/06 20:40 |
| Interference Check A | BPH0306-IFA2 | 081406NAD-062 | 08/14/06 20:42 |
| Interference Check B | BPH0306-IFB2 | 081406NAD-063 | 08/14/06 20:47 |
| Vertex Fill | BH61418-DUP2 | 081406XAD-036 | 08/14/06 21:57 |
| Vertex Fill | BH61418-MS2 | 081406XAD-039 | 08/14/06 22:10 |

ANALYSIS BATCH (SEQUENCE) SUMMARY

6010B

| | |
|--|--|
| Laboratory: <u>ESS Laboratory</u> | SDG: <u>0608248</u> |
| Client: <u>MACTEC Engineering & Consulting, Inc.</u> | Project: <u>Providence Gorham Site</u> |
| Sequence: <u>BPH0303</u> | Instrument: <u>ICP2</u> |
| Matrix: <u>Solid</u> | Calibration: <u>UNASSIGNED</u> |

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|----------------------|---------------|---------------|--------------------|
| Cal Standard | BPH0303-CAL1 | 081406XAD-001 | 08/14/06 19:25 |
| Cal Standard | BPH0303-CAL2 | 081406XAD-002 | 08/14/06 19:33 |
| Cal Standard | BPH0303-CAL3 | 081406XAD-003 | 08/14/06 19:37 |
| Cal Standard | BPH0303-CAL4 | 081406XAD-004 | 08/14/06 19:41 |
| Initial Cal Check | BPH0303-ICV1 | 081406XAD-005 | 08/14/06 19:45 |
| Secondary Cal Check | BPH0303-SCV1 | 081406XAD-006 | 08/14/06 19:49 |
| Initial Cal Blank | BPH0303-ICB1 | 081406XAD-007 | 08/14/06 19:54 |
| MRL Check | BPH0303-CRL1 | 081406XAD-008 | 08/14/06 19:58 |
| MRL Check | BPH0303-CRL2 | 081406XAD-009 | 08/14/06 20:02 |
| MRL Check | BPH0303-CRL3 | 081406XAD-010 | 08/14/06 20:06 |
| Interference Check A | BPH0303-IFA1 | 081406XAD-011 | 08/14/06 20:10 |
| Interference Check B | BPH0303-IFB1 | 081406XAD-012 | 08/14/06 20:15 |
| Calibration Check | BPH0303-CCV1 | 081406XAD-013 | 08/14/06 20:20 |
| Calibration Blank | BPH0303-CCB1 | 081406XAD-014 | 08/14/06 20:24 |
| Blank | BH61418-BLK2 | 081406XAD-015 | 08/14/06 20:28 |
| LCS | BH61418-BS2 | 081406XAD-016 | 08/14/06 20:32 |
| LCS Dup | BH61418-BSD2 | 081406XAD-017 | 08/14/06 20:36 |
| Reference | BH61418-SRM3 | 081406XAD-018 | 08/14/06 20:40 |
| SS-SI69 E | 0608248-01RE1 | 081406XAD-019 | 08/14/06 20:45 |
| SS-SI71 W1 | 0608248-02RE1 | 081406XAD-020 | 08/14/06 20:49 |
| SS-SI72 N1 | 0608248-03RE1 | 081406XAD-021 | 08/14/06 20:53 |
| SS-SI73 B1 | 0608248-04RE1 | 081406XAD-022 | 08/14/06 20:57 |
| SS-SI73 B1 Dup | 0608248-05RE1 | 081406XAD-023 | 08/14/06 21:02 |
| SS-SI74 E1 | 0608248-06 | 081406XAD-024 | 08/14/06 21:06 |
| Calibration Check | BPH0303-CCV2 | 081406XAD-025 | 08/14/06 21:11 |
| Calibration Blank | BPH0303-CCB2 | 081406XAD-026 | 08/14/06 21:15 |
| SS-SI75 S1 | 0608248-07RE1 | 081406XAD-027 | 08/14/06 21:19 |
| SS-SI70 N | 0608248-08RE1 | 081406XAD-028 | 08/14/06 21:23 |
| SS-SI70 N | BH61418-DUP3 | 081406XAD-029 | 08/14/06 21:27 |
| SS-SI70 N | BH61418-MS3 | 081406XAD-030 | 08/14/06 21:31 |
| SS-SI70 N | BPH0303-SRD1 | 081406XAD-031 | 08/14/06 21:36 |
| SS-SI70 N | BH61418-PS3 | 081406XAD-032 | 08/14/06 21:40 |

ANALYSIS BATCH (SEQUENCE) SUMMARY

6010B

| | | | |
|-------------|--|--------------|-------------------------------|
| Laboratory: | <u>ESS Laboratory</u> | SDG: | <u>0608248</u> |
| Client: | <u>MACTEC Engineering & Consulting, Inc.</u> | Project: | <u>Providence Gorham Site</u> |
| Sequence: | <u>BPH0303</u> | Instrument: | <u>ICP2</u> |
| Matrix: | <u>Solid</u> | Calibration: | <u>UNASSIGNED</u> |

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|----------------------|---------------|---------------|--------------------|
| SS-SI70 B1 | 0608248-09 | 081406XAD-033 | 08/14/06 21:44 |
| SS-SI70 B1 | 0608248-09 | 081406XAD-033 | 08/14/06 21:44 |
| SS-SI77 B1 | 0608248-10RE1 | 081406XAD-034 | 08/14/06 21:48 |
| SS-SI77 B1 | 0608248-10RE1 | 081406XAD-034 | 08/14/06 21:48 |
| Vertex Fill | 0608248-11 | 081406XAD-035 | 08/14/06 21:53 |
| Vertex Fill | 0608248-11 | 081406XAD-035 | 08/14/06 21:53 |
| Vertex Fill | BH61418-DUP4 | 081406XAD-036 | 08/14/06 21:57 |
| Calibration Check | BPH0303-CCV3 | 081406XAD-037 | 08/14/06 22:02 |
| Calibration Blank | BPH0303-CCB3 | 081406XAD-038 | 08/14/06 22:06 |
| Vertex Fill | BH61418-MS4 | 081406XAD-039 | 08/14/06 22:10 |
| Vertex Fill | BPH0303-SRD2 | 081406XAD-040 | 08/14/06 22:14 |
| Vertex Fill | BH61418-PS4 | 081406XAD-041 | 08/14/06 22:19 |
| Calibration Check | BPH0303-CCV4 | 081406XAD-042 | 08/14/06 22:23 |
| Calibration Blank | BPH0303-CCB4 | 081406XAD-043 | 08/14/06 22:27 |
| Interference Check A | BPH0303-IFA2 | 081406XAD-044 | 08/14/06 22:31 |
| Interference Check B | BPH0303-IFB2 | 081406XAD-045 | 08/14/06 22:36 |

**BLANKS
6010B**

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Instrument ID: ICP2

Project: Providence Gorham Site

Sequence: BPH0303

Calibration: UNASSIGNED

| Lab Sample ID | Analyte | Found | MRL | Units | C | Method |
|---------------|-----------|----------|------|-----------|---|--------|
| BPH0303-ICB1 | Aluminum | 0.007 | 0.1 | mg/L | | 6010B |
| | Calcium | -0.012 | 0.4 | mg/L | | 6010B |
| | Copper | 0.003 | 0.02 | mg/L | | 6010B |
| | Iron | 0.001 | 0.1 | mg/L | | 6010B |
| | Magnesium | -0.00004 | 0.2 | mg/L | | 6010B |
| | Zinc | -0.001 | 0.05 | mg/L | | 6010B |
| BPH0303-CCB1 | Aluminum | 0.009 | 0.1 | mg/L | | 6010B |
| | Calcium | -0.01 | 0.4 | mg/L | | 6010B |
| | Copper | 0.003 | 0.02 | mg/L | | 6010B |
| | Iron | 0.005 | 0.1 | mg/L | | 6010B |
| | Magnesium | 0.005 | 0.2 | mg/L | | 6010B |
| | Zinc | -0.0006 | 0.05 | mg/L | | 6010B |
| BH61418-BLK2 | Aluminum | 0.5 | 6.7 | mg/kg wet | | 6010B |
| | Calcium | 2.5 | 26.7 | mg/kg wet | | 6010B |
| | Copper | 0.2 | 1.3 | mg/kg wet | | 6010B |
| | Iron | 1.4 | 6.7 | mg/kg wet | | 6010B |
| | Magnesium | 0.3 | 13.3 | mg/kg wet | | 6010B |
| | Zinc | 0.05 | 3.3 | mg/kg wet | | 6010B |
| BPH0303-CCB2 | Aluminum | 0.008 | 0.1 | mg/L | | 6010B |
| | Calcium | -0.01 | 0.4 | mg/L | | 6010B |
| | Copper | 0.009 | 0.02 | mg/L | | 6010B |
| | Iron | 0.01 | 0.1 | mg/L | | 6010B |
| | Magnesium | -0.001 | 0.2 | mg/L | | 6010B |
| | Zinc | 0.005 | 0.05 | mg/L | | 6010B |
| BPH0303-CCB3 | Aluminum | 0.008 | 0.1 | mg/L | | 6010B |
| | Calcium | -0.01 | 0.4 | mg/L | | 6010B |
| | Copper | 0.009 | 0.02 | mg/L | | 6010B |
| | Iron | 0.008 | 0.1 | mg/L | | 6010B |
| | Magnesium | 0.004 | 0.2 | mg/L | | 6010B |
| | Zinc | 0.002 | 0.05 | mg/L | | 6010B |
| BPH0303-CCB4 | Aluminum | 0.01 | 0.1 | mg/L | | 6010B |
| | Calcium | -0.01 | 0.4 | mg/L | | 6010B |
| | Copper | 0.007 | 0.02 | mg/L | | 6010B |

BLANKS
6010B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Instrument ID: ICP2

Project: Providence Gorham Site

Sequence: BPH0303

Calibration: UNASSIGNED

| Lab Sample ID | Analyte | Found | MRL | Units | C | Method |
|---------------|-----------|--------|------|-------|---|--------|
| BPH0303-CCB4 | Iron | 0.008 | 0.1 | mg/L | | 6010B |
| | Magnesium | 0.003 | 0.2 | mg/L | | 6010B |
| | Zinc | 0.0007 | 0.05 | mg/L | | 6010B |

**BLANKS
6010B**

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Instrument ID: ICP3

Project: Providence Gorham Site

Sequence: BPH0306

Calibration: UNASSIGNED

| Lab Sample ID | Analyte | Found | MRL | Units | C | Method |
|---------------|--------------|----------|--------|-----------|-------|--------|
| BPH0306-ICB1 | Aluminum | -0.0005 | 0.1 | mg/L | | 6010B |
| | Antimony | -0.001 | 0.1 | mg/L | | 6010B |
| | Beryllium | -0.00008 | 0.001 | mg/L | | 6010B |
| | Cadmium | -0.001 | 0.01 | mg/L | | 6010B |
| | Calcium | -0.022 | 0.4 | mg/L | | 6010B |
| | Chromium | -0.001 | 0.02 | mg/L | | 6010B |
| | Copper | -0.002 | 0.02 | mg/L | | 6010B |
| | Iron | -0.009 | 0.1 | mg/L | | 6010B |
| | Lead | -0.001 | 0.1 | mg/L | | 6010B |
| | Magnesium | -0.016 | 0.2 | mg/L | | 6010B |
| | Nickel | -0.004 | 0.05 | mg/L | | 6010B |
| | Selenium | 0.002 | 0.1 | mg/L | | 6010B |
| | Silver | 0.001 | 0.01 | mg/L | | 6010B |
| Zinc | -0.002 | 0.05 | mg/L | | 6010B | |
| BH61418-BLK1 | Aluminum | 0.003 | 6.7 | mg/kg wet | | 6010B |
| | Antimony | -0.2 | 6.7 | mg/kg wet | | 6010B |
| | Beryllium | -0.006 | 0.07 | mg/kg wet | | 6010B |
| | Cadmium | -0.07 | 0.67 | mg/kg wet | | 6010B |
| | Calcium | -0.2 | 26.7 | mg/kg wet | | 6010B |
| | Chromium | 0.3 | 1.3 | mg/kg wet | | 6010B |
| | Iron | 0.8 | 6.7 | mg/kg wet | | 6010B |
| | Lead | -0.2 | 6.7 | mg/kg wet | | 6010B |
| | Magnesium | -0.2 | 13.3 | mg/kg wet | | 6010B |
| | Nickel | 0.02 | 3.3 | mg/kg wet | | 6010B |
| | Selenium | 0.3 | 6.7 | mg/kg wet | | 6010B |
| | Silver | 0.03 | 0.67 | mg/kg wet | | 6010B |
| | BPH0306-CCB1 | Aluminum | -0.002 | 0.1 | mg/L | |
| Antimony | | -0.003 | 0.1 | mg/L | | 6010B |
| Beryllium | | -0.00007 | 0.001 | mg/L | | 6010B |
| Cadmium | | -0.0009 | 0.01 | mg/L | | 6010B |
| Calcium | | -0.02 | 0.4 | mg/L | | 6010B |
| Chromium | | -0.001 | 0.02 | mg/L | | 6010B |
| Copper | | 0.09 | 0.02 | mg/L | * | 6010B |

**BLANKS
6010B**

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Instrument ID: ICP3

Project: Providence Gorham Site

Sequence: BPH0306

Calibration: UNASSIGNED

| Lab Sample ID | Analyte | Found | MRL | Units | C | Method |
|---------------|--------------|----------|-----------|-------|------|--------|
| BPH0306-CCB1 | Iron | 0.05 | 0.1 | mg/L | | 6010B |
| | Lead | 0.001 | 0.1 | mg/L | | 6010B |
| | Magnesium | -0.01 | 0.2 | mg/L | | 6010B |
| | Nickel | -0.0003 | 0.05 | mg/L | | 6010B |
| | Selenium | -0.001 | 0.1 | mg/L | | 6010B |
| | Silver | 0.001 | 0.01 | mg/L | | 6010B |
| | Zinc | 0.07 | 0.05 | mg/L | * | 6010B |
| | BPH0306-CCB2 | Aluminum | 0.0008 | 0.1 | mg/L | |
| Antimony | | -0.0007 | 0.1 | mg/L | | 6010B |
| Beryllium | | -0.00005 | 0.001 | mg/L | | 6010B |
| Cadmium | | -0.001 | 0.01 | mg/L | | 6010B |
| Calcium | | -0.02 | 0.4 | mg/L | | 6010B |
| Chromium | | -0.002 | 0.02 | mg/L | | 6010B |
| Copper | | 0.09 | 0.02 | mg/L | * | 6010B |
| Iron | | 0.04 | 0.1 | mg/L | | 6010B |
| Lead | | 0.004 | 0.1 | mg/L | | 6010B |
| Magnesium | | -0.01 | 0.2 | mg/L | | 6010B |
| Nickel | | -0.003 | 0.05 | mg/L | | 6010B |
| Selenium | | 0.003 | 0.1 | mg/L | | 6010B |
| Silver | | 0.001 | 0.01 | mg/L | | 6010B |
| Zinc | | 0.03 | 0.05 | mg/L | | 6010B |
| BPH0306-CCB3 | | Aluminum | -0.000007 | 0.1 | mg/L | |
| | Antimony | -0.003 | 0.1 | mg/L | | 6010B |
| | Beryllium | -0.00008 | 0.001 | mg/L | | 6010B |
| | Cadmium | -0.001 | 0.01 | mg/L | | 6010B |
| | Calcium | -0.02 | 0.4 | mg/L | | 6010B |
| | Chromium | -0.002 | 0.02 | mg/L | | 6010B |
| | Copper | 0.009 | 0.02 | mg/L | | 6010B |
| | Iron | 0.02 | 0.1 | mg/L | | 6010B |
| | Lead | -0.0005 | 0.1 | mg/L | | 6010B |
| | Magnesium | -0.02 | 0.2 | mg/L | | 6010B |
| | Nickel | -0.004 | 0.05 | mg/L | | 6010B |
| | Selenium | 0.0007 | 0.1 | mg/L | | 6010B |

BLANKS
6010B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Instrument ID: ICP3

Project: Providence Gorham Site

Sequence: BPH0306

Calibration: UNASSIGNED

| Lab Sample ID | Analyte | Found | MRL | Units | C | Method |
|---------------|---------|--------|------|-----------|---|--------|
| BPH0306-CCB3 | Silver | 0.0009 | 0.01 | mg/L | | 6010B |
| | Zinc | 0.009 | 0.05 | mg/L | | 6010B |
| BH61418-BLK1 | Copper | 0.2 | 1.3 | mg/kg wet | | 6010B |
| | Zinc | 0.05 | 3.3 | mg/kg wet | | 6010B |

INITIAL AND CONTINUING CALIBRATION CHECK

6010B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Instrument ID: ICP2

Calibration: UNASSIGNED

Control Limit: +/- 10.00%

Sequence: BPH0303

| Lab Sample ID | Analyte | True | Found | %R | Units | Method |
|---------------|-----------|-------|-------|-----|-------|--------|
| BPH0303-ICV1 | Aluminum | 2.50 | 2.48 | 99 | mg/L | 6010B |
| | Calcium | 5.00 | 5.07 | 101 | mg/L | 6010B |
| | Copper | 0.500 | 0.498 | 100 | mg/L | 6010B |
| | Iron | 2.50 | 2.53 | 101 | mg/L | 6010B |
| | Magnesium | 5.00 | 5.06 | 101 | mg/L | 6010B |
| | Zinc | 0.500 | 0.503 | 101 | mg/L | 6010B |
| BPH0303-CCV1 | Aluminum | 2.50 | 2.47 | 99 | mg/L | 6010B |
| | Calcium | 5.00 | 5.08 | 102 | mg/L | 6010B |
| | Copper | 0.500 | 0.496 | 99 | mg/L | 6010B |
| | Iron | 2.50 | 2.54 | 102 | mg/L | 6010B |
| | Magnesium | 5.00 | 5.08 | 102 | mg/L | 6010B |
| | Zinc | 0.500 | 0.505 | 101 | mg/L | 6010B |
| BPH0303-CCV2 | Aluminum | 2.50 | 2.44 | 98 | mg/L | 6010B |
| | Calcium | 5.00 | 5.06 | 101 | mg/L | 6010B |
| | Copper | 0.500 | 0.499 | 100 | mg/L | 6010B |
| | Iron | 2.50 | 2.51 | 100 | mg/L | 6010B |
| | Magnesium | 5.00 | 5.00 | 100 | mg/L | 6010B |
| | Zinc | 0.500 | 0.506 | 101 | mg/L | 6010B |
| BPH0303-CCV3 | Aluminum | 2.50 | 2.47 | 99 | mg/L | 6010B |
| | Calcium | 5.00 | 5.02 | 100 | mg/L | 6010B |
| | Copper | 0.500 | 0.501 | 100 | mg/L | 6010B |
| | Iron | 2.50 | 2.49 | 100 | mg/L | 6010B |
| | Magnesium | 5.00 | 4.96 | 99 | mg/L | 6010B |
| | Zinc | 0.500 | 0.495 | 99 | mg/L | 6010B |
| BPH0303-CCV4 | Aluminum | 2.50 | 2.41 | 96 | mg/L | 6010B |
| | Calcium | 5.00 | 4.95 | 99 | mg/L | 6010B |
| | Copper | 0.500 | 0.489 | 98 | mg/L | 6010B |
| | Iron | 2.50 | 2.47 | 99 | mg/L | 6010B |
| | Magnesium | 5.00 | 4.92 | 98 | mg/L | 6010B |
| | Zinc | 0.500 | 0.491 | 98 | mg/L | 6010B |

* Values outside of QC limits

INITIAL AND CONTINUING CALIBRATION CHECK

6010B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Instrument ID: ICP3

Calibration: UNASSIGNED

Control Limit: +/- 10.00%

Sequence: BPH0306

| Lab Sample ID | Analyte | True | Found | %R | Units | Method |
|---------------|-----------|--------|-------|-------|-------|--------|
| BPH0306-ICV1 | Aluminum | 2.50 | 2.53 | 101 | mg/L | 6010B |
| | Antimony | 0.500 | 0.495 | 99 | mg/L | 6010B |
| | Beryllium | 0.0500 | 0.051 | 102 | mg/L | 6010B |
| | Cadmium | 0.250 | 0.255 | 102 | mg/L | 6010B |
| | Calcium | 5.00 | 5.02 | 100 | mg/L | 6010B |
| | Chromium | 0.500 | 0.509 | 102 | mg/L | 6010B |
| | Copper | 0.500 | 0.509 | 102 | mg/L | 6010B |
| | Iron | 2.50 | 2.55 | 102 | mg/L | 6010B |
| | Lead | 0.500 | 0.508 | 102 | mg/L | 6010B |
| | Magnesium | 5.00 | 5.10 | 102 | mg/L | 6010B |
| | Nickel | 0.500 | 0.513 | 103 | mg/L | 6010B |
| | Selenium | 1.00 | 1.01 | 101 | mg/L | 6010B |
| | Silver | 0.250 | 0.255 | 102 | mg/L | 6010B |
| | Zinc | 0.500 | 0.506 | 101 | mg/L | 6010B |
| BPH0306-CCV1 | Aluminum | 2.50 | 2.55 | 102 | mg/L | 6010B |
| | Antimony | 0.500 | 0.491 | 98 | mg/L | 6010B |
| | Beryllium | 0.0500 | 0.051 | 102 | mg/L | 6010B |
| | Cadmium | 0.250 | 0.256 | 102 | mg/L | 6010B |
| | Calcium | 5.00 | 5.09 | 102 | mg/L | 6010B |
| | Chromium | 0.500 | 0.512 | 102 | mg/L | 6010B |
| | Copper | 0.500 | 0.665 | 133 * | mg/L | 6010B |
| | Iron | 2.50 | 2.67 | 107 | mg/L | 6010B |
| | Lead | 0.500 | 0.518 | 104 | mg/L | 6010B |
| | Magnesium | 5.00 | 5.15 | 103 | mg/L | 6010B |
| | Nickel | 0.500 | 0.520 | 104 | mg/L | 6010B |
| | Selenium | 1.00 | 1.01 | 101 | mg/L | 6010B |
| | Silver | 0.250 | 0.258 | 103 | mg/L | 6010B |
| | Zinc | 0.500 | 0.601 | 120 | mg/L | 6010B |
| BPH0306-CCV2 | Aluminum | 2.50 | 2.51 | 100 | mg/L | 6010B |
| | Antimony | 0.500 | 0.482 | 96 | mg/L | 6010B |
| | Beryllium | 0.0500 | 0.050 | 100 | mg/L | 6010B |
| | Cadmium | 0.250 | 0.252 | 101 | mg/L | 6010B |
| | Calcium | 5.00 | 4.99 | 100 | mg/L | 6010B |
| | Chromium | 0.500 | 0.501 | 100 | mg/L | 6010B |
| | Copper | 0.500 | 0.637 | 127 * | mg/L | 6010B |
| | Iron | 2.50 | 2.59 | 104 | mg/L | 6010B |
| | Lead | 0.500 | 0.512 | 102 | mg/L | 6010B |
| | Magnesium | 5.00 | 5.03 | 101 | mg/L | 6010B |

INITIAL AND CONTINUING CALIBRATION CHECK

6010B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Instrument ID: ICP3

Calibration: UNASSIGNED

Control Limit: +/- 10.00%

Sequence: BPH0306

| Lab Sample ID | Analyte | True | Found | %R | Units | Method |
|---------------|-----------|--------|-------|------|-------|--------|
| BPH0306-CCV2 | Nickel | 0.500 | 0.508 | 102 | mg/L | 6010B |
| | Selenium | 1.00 | 0.996 | 100 | mg/L | 6010B |
| | Silver | 0.250 | 0.253 | 101 | mg/L | 6010B |
| | Zinc | 0.500 | 0.539 | 108 | mg/L | 6010B |
| BPH0306-CCV3 | Aluminum | 2.50 | 2.50 | 100 | mg/L | 6010B |
| | Antimony | 0.500 | 0.481 | 96 | mg/L | 6010B |
| | Beryllium | 0.0500 | 0.050 | 100 | mg/L | 6010B |
| | Cadmium | 0.250 | 0.251 | 100 | mg/L | 6010B |
| | Calcium | 5.00 | 5.00 | 100 | mg/L | 6010B |
| | Chromium | 0.500 | 0.499 | 100 | mg/L | 6010B |
| | Copper | 0.500 | 0.514 | 103 | mg/L | 6010B |
| | Iron | 2.50 | 2.55 | 102 | mg/L | 6010B |
| | Lead | 0.500 | 0.501 | 100 | mg/L | 6010B |
| | Magnesium | 5.00 | 5.01 | 100 | mg/L | 6010B |
| | Nickel | 0.500 | 0.504 | 101 | mg/L | 6010B |
| | Selenium | 1.00 | 0.990 | 99 | mg/L | 6010B |
| Silver | 0.250 | 0.253 | 101 | mg/L | 6010B | |
| Zinc | 0.500 | 0.509 | 102 | mg/L | 6010B | |

* Values outside of QC limits

ICP INTERFERENCE CHECK SAMPLE

6010B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Instrument ID: ICP2

Calibration: UNASSIGNED

Sequence: BPH0303

| Lab Sample ID | Analyte | True | Found | %R | Units |
|---------------|-----------|-------|--------|----|-------|
| BPH0303-IFA1 | Aluminum | 250 | 244.00 | 98 | mg/L |
| | Aluminum | 250 | 244.00 | 98 | mg/L |
| | Calcium | 250 | 243.00 | 97 | mg/L |
| | Calcium | 250 | 243.00 | 97 | mg/L |
| | Copper | | 0.00 | | mg/L |
| | Copper | | 0.00 | | mg/L |
| | Iron | 100 | 93.20 | 93 | mg/L |
| | Iron | 100 | 93.20 | 93 | mg/L |
| | Magnesium | 250 | 242.00 | 97 | mg/L |
| | Magnesium | 250 | 242.00 | 97 | mg/L |
| | Zinc | | 0.03 | | mg/L |
| | Zinc | | 0.03 | | mg/L |
| BPH0303-IFB1 | Aluminum | 250 | 244.00 | 98 | mg/L |
| | Aluminum | 250 | 244.00 | 98 | mg/L |
| | Calcium | 250 | 243.00 | 97 | mg/L |
| | Calcium | 250 | 243.00 | 97 | mg/L |
| | Copper | 0.250 | 0.23 | 94 | mg/L |
| | Copper | 0.250 | 0.23 | 94 | mg/L |
| | Iron | 100 | 92.80 | 93 | mg/L |
| | Iron | 100 | 92.80 | 93 | mg/L |
| | Magnesium | 250 | 241.00 | 96 | mg/L |
| | Magnesium | 250 | 241.00 | 96 | mg/L |
| | Zinc | 0.500 | 0.48 | 97 | mg/L |
| | Zinc | 0.500 | 0.48 | 97 | mg/L |
| BPH0303-IFA2 | Aluminum | 250 | 239.00 | 96 | mg/L |
| | Aluminum | 250 | 239.00 | 96 | mg/L |
| | Calcium | 250 | 234.00 | 94 | mg/L |
| | Calcium | 250 | 234.00 | 94 | mg/L |
| | Copper | | 0.00 | | mg/L |

ICP INTERFERENCE CHECK SAMPLE

6010B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Instrument ID: ICP2

Calibration: UNASSIGNED

Sequence: BPH0303

| Lab Sample ID | Analyte | True | Found | %R | Units |
|---------------|-----------|-------|--------|----|-------|
| BPH0303-IFA2 | Copper | | 0.00 | | mg/L |
| | Iron | 100 | 90.80 | 91 | mg/L |
| | Iron | 100 | 90.80 | 91 | mg/L |
| | Magnesium | 250 | 236.00 | 94 | mg/L |
| | Magnesium | 250 | 236.00 | 94 | mg/L |
| | Zinc | | 0.03 | | mg/L |
| | Zinc | | 0.03 | | mg/L |
| BPH0303-IFB2 | Aluminum | 250 | 239.00 | 96 | mg/L |
| | Aluminum | 250 | 239.00 | 96 | mg/L |
| | Calcium | 250 | 234.00 | 94 | mg/L |
| | Calcium | 250 | 234.00 | 94 | mg/L |
| | Copper | 0.250 | 0.23 | 93 | mg/L |
| | Copper | 0.250 | 0.23 | 93 | mg/L |
| | Iron | 100 | 90.20 | 90 | mg/L |
| | Iron | 100 | 90.20 | 90 | mg/L |
| | Magnesium | 250 | 235.00 | 94 | mg/L |
| | Magnesium | 250 | 235.00 | 94 | mg/L |
| | Zinc | 0.500 | 0.47 | 94 | mg/L |
| | Zinc | 0.500 | 0.47 | 94 | mg/L |

* Values outside of QC limits

ICP INTERFERENCE CHECK SAMPLE

6010B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Instrument ID: ICP3

Calibration: UNASSIGNED

Sequence: BPH0306

| Lab Sample ID | Analyte | True | Found | %R | Units |
|---------------|-----------|------|--------|-----|-------|
| BPH0306-IFA1 | Aluminum | 250 | 265.00 | 106 | mg/L |
| | Aluminum | 250 | 265.00 | 106 | mg/L |
| | Antimony | | -0.01 | | mg/L |
| | Antimony | | -0.01 | | mg/L |
| | Beryllium | | 0.00 | | mg/L |
| | Beryllium | | 0.00 | | mg/L |
| | Cadmium | | 0.00 | | mg/L |
| | Cadmium | | 0.00 | | mg/L |
| | Calcium | 250 | 251.00 | 100 | mg/L |
| | Calcium | 250 | 251.00 | 100 | mg/L |
| | Chromium | | 0.00 | | mg/L |
| | Chromium | | 0.00 | | mg/L |
| | Copper | | 0.01 | | mg/L |
| | Copper | | 0.01 | | mg/L |
| | Iron | 100 | 96.00 | 96 | mg/L |
| | Iron | 100 | 96.00 | 96 | mg/L |
| | Lead | | 0.00 | | mg/L |
| | Lead | | 0.00 | | mg/L |
| | Magnesium | 250 | 252.00 | 101 | mg/L |
| | Magnesium | 250 | 252.00 | 101 | mg/L |
| | Nickel | | 0.00 | | mg/L |
| | Nickel | | 0.00 | | mg/L |
| | Selenium | | 0.01 | | mg/L |
| | Selenium | | 0.01 | | mg/L |
| | Silver | | 0.00 | | mg/L |
| | Silver | | 0.00 | | mg/L |
| | Zinc | | 0.02 | | mg/L |
| | Zinc | | 0.02 | | mg/L |
| BPH0306-IFB1 | Aluminum | 250 | 266.00 | 106 | mg/L |

ICP INTERFERENCE CHECK SAMPLE

6010B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Instrument ID: ICP3

Calibration: UNASSIGNED

Sequence: BPH0306

| Lab Sample ID | Analyte | True | Found | %R | Units |
|---------------|-----------|-------|--------|-----|-------|
| BPH0306-IFB1 | Aluminum | 250 | 266.00 | 106 | mg/L |
| | Antimony | | 0.00 | | mg/L |
| | Antimony | | 0.00 | | mg/L |
| | Beryllium | 0.250 | 0.26 | 105 | mg/L |
| | Beryllium | 0.250 | 0.26 | 105 | mg/L |
| | Cadmium | 0.500 | 0.49 | 97 | mg/L |
| | Cadmium | 0.500 | 0.49 | 97 | mg/L |
| | Calcium | 250 | 254.00 | 102 | mg/L |
| | Calcium | 250 | 254.00 | 102 | mg/L |
| | Chromium | 0.250 | 0.25 | 101 | mg/L |
| | Chromium | 0.250 | 0.25 | 101 | mg/L |
| | Copper | 0.250 | 0.25 | 101 | mg/L |
| | Copper | 0.250 | 0.25 | 101 | mg/L |
| | Iron | 100 | 96.60 | 97 | mg/L |
| | Iron | 100 | 96.60 | 97 | mg/L |
| | Lead | 0.500 | 0.48 | 96 | mg/L |
| | Lead | 0.500 | 0.48 | 96 | mg/L |
| | Magnesium | 250 | 254.00 | 102 | mg/L |
| | Magnesium | 250 | 254.00 | 102 | mg/L |
| | Nickel | 0.500 | 0.47 | 94 | mg/L |
| | Nickel | 0.500 | 0.47 | 94 | mg/L |
| | Selenium | | 0.03 | | mg/L |
| | Selenium | | 0.03 | | mg/L |
| | Silver | 0.500 | 0.54 | 109 | mg/L |
| | Silver | 0.500 | 0.54 | 109 | mg/L |
| | Zinc | 0.500 | 0.49 | 97 | mg/L |
| | Zinc | 0.500 | 0.49 | 97 | mg/L |
| BPH0306-IFA2 | Aluminum | 250 | 263.00 | 105 | mg/L |
| | Aluminum | 250 | 263.00 | 105 | mg/L |

ICP INTERFERENCE CHECK SAMPLE

6010B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Instrument ID: ICP3

Calibration: UNASSIGNED

Sequence: BPH0306

| Lab Sample ID | Analyte | True | Found | %R | Units |
|---------------|-----------|------|--------|-----|-------|
| BPH0306-IFA2 | Antimony | | -0.01 | | mg/L |
| | Antimony | | -0.01 | | mg/L |
| | Beryllium | | 0.00 | | mg/L |
| | Beryllium | | 0.00 | | mg/L |
| | Cadmium | | 0.00 | | mg/L |
| | Cadmium | | 0.00 | | mg/L |
| | Calcium | 250 | 249.00 | 100 | mg/L |
| | Calcium | 250 | 249.00 | 100 | mg/L |
| | Chromium | | 0.00 | | mg/L |
| | Chromium | | 0.00 | | mg/L |
| | Copper | | 0.03 | | mg/L |
| | Copper | | 0.03 | | mg/L |
| | Iron | 100 | 95.20 | 95 | mg/L |
| | Iron | 100 | 95.20 | 95 | mg/L |
| | Lead | | 0.00 | | mg/L |
| | Lead | | 0.00 | | mg/L |
| | Magnesium | 250 | 248.00 | 99 | mg/L |
| | Magnesium | 250 | 248.00 | 99 | mg/L |
| | Nickel | | 0.00 | | mg/L |
| | Nickel | | 0.00 | | mg/L |
| | Selenium | | 0.01 | | mg/L |
| | Selenium | | 0.01 | | mg/L |
| | Silver | | 0.00 | | mg/L |
| | Silver | | 0.00 | | mg/L |
| | Zinc | | 0.07 | | mg/L |
| | Zinc | | 0.07 | | mg/L |
| BPH0306-IFB2 | Aluminum | 250 | 264.00 | 106 | mg/L |
| | Aluminum | 250 | 264.00 | 106 | mg/L |
| | Antimony | | -0.01 | | mg/L |

ICP INTERFERENCE CHECK SAMPLE

6010B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Instrument ID: ICP3

Calibration: UNASSIGNED

Sequence: BPH0306

| Lab Sample ID | Analyte | True | Found | %R | Units |
|---------------|-----------|-------|--------|------|-------|
| BPH0306-IFB2 | Antimony | | -0.01 | | mg/L |
| | Beryllium | 0.250 | 0.26 | 104 | mg/L |
| | Beryllium | 0.250 | 0.26 | 104 | mg/L |
| | Cadmium | 0.500 | 0.50 | 99 | mg/L |
| | Cadmium | 0.500 | 0.50 | 99 | mg/L |
| | Calcium | 250 | 250.00 | 100 | mg/L |
| | Calcium | 250 | 250.00 | 100 | mg/L |
| | Chromium | 0.250 | 0.26 | 102 | mg/L |
| | Chromium | 0.250 | 0.26 | 102 | mg/L |
| | Copper | 0.250 | 0.28 | 110 | mg/L |
| | Copper | 0.250 | 0.28 | 110 | mg/L |
| | Iron | 100 | 95.50 | 96 | mg/L |
| | Iron | 100 | 95.50 | 96 | mg/L |
| | Lead | 0.500 | 0.35 | 71 * | mg/L |
| | Lead | 0.500 | 0.35 | 71 * | mg/L |
| | Magnesium | 250 | 249.00 | 100 | mg/L |
| | Magnesium | 250 | 249.00 | 100 | mg/L |
| | Nickel | 0.500 | 0.48 | 96 | mg/L |
| | Nickel | 0.500 | 0.48 | 96 | mg/L |
| | Selenium | | 0.00 | | mg/L |
| | Selenium | | 0.00 | | mg/L |
| | Silver | 0.500 | 0.56 | 111 | mg/L |
| | Silver | 0.500 | 0.56 | 111 | mg/L |
| | Zinc | 0.500 | 0.54 | 107 | mg/L |
| | Zinc | 0.500 | 0.54 | 107 | mg/L |

* Values outside of QC limits

CRDL STANDARD

6010B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Instrument ID: ICP2

Calibration: UNASSIGNED

Sequence: BPH0303

| Lab Sample ID | Analyte | True | Found | %R | Units | QC Limits |
|---------------|-----------|--------|-------|-------|-------|-----------|
| BPH0303-CRL1 | Aluminum | 0.250 | 0.250 | 100 | mg/L | 70 - 130 |
| | Aluminum | 0.250 | 0.250 | 100 | mg/L | 70 - 130 |
| | Calcium | 0.500 | 0.488 | 98 | mg/L | 70 - 130 |
| | Calcium | 0.500 | 0.488 | 98 | mg/L | 70 - 130 |
| | Copper | 0.0500 | 0.051 | 102 | mg/L | 70 - 130 |
| | Copper | 0.0500 | 0.051 | 102 | mg/L | 70 - 130 |
| | Iron | 0.250 | 0.254 | 102 | mg/L | 70 - 130 |
| | Iron | 0.250 | 0.254 | 102 | mg/L | 70 - 130 |
| | Magnesium | 0.500 | 0.497 | 99 | mg/L | 70 - 130 |
| | Magnesium | 0.500 | 0.497 | 99 | mg/L | 70 - 130 |
| | Zinc | 0.0500 | 0.049 | 98 | mg/L | 70 - 130 |
| | Zinc | 0.0500 | 0.049 | 98 | mg/L | 70 - 130 |
| BPH0303-CRL2 | Aluminum | 0.100 | 0.108 | 108 | mg/L | 70 - 130 |
| | Aluminum | 0.100 | 0.108 | 108 | mg/L | 70 - 130 |
| | Calcium | 0.200 | 0.191 | 96 | mg/L | 70 - 130 |
| | Calcium | 0.200 | 0.191 | 96 | mg/L | 70 - 130 |
| | Copper | 0.0200 | 0.021 | 105 | mg/L | 70 - 130 |
| | Copper | 0.0200 | 0.021 | 105 | mg/L | 70 - 130 |
| | Iron | 0.100 | 0.103 | 103 | mg/L | 70 - 130 |
| | Iron | 0.100 | 0.103 | 103 | mg/L | 70 - 130 |
| | Magnesium | 0.200 | 0.199 | 100 | mg/L | 70 - 130 |
| | Magnesium | 0.200 | 0.199 | 100 | mg/L | 70 - 130 |
| | Zinc | 0.0200 | 0.019 | 95 | mg/L | 70 - 130 |
| | Zinc | 0.0200 | 0.019 | 95 | mg/L | 70 - 130 |
| BPH0303-CRL3 | Aluminum | 0.0500 | 0.066 | 132 * | mg/L | 70 - 130 |
| | Aluminum | 0.0500 | 0.066 | 132 * | mg/L | 70 - 130 |
| | Calcium | 0.100 | 0.089 | 89 | mg/L | 70 - 130 |
| | Calcium | 0.100 | 0.089 | 89 | mg/L | 70 - 130 |

CRDL STANDARD

6010B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Instrument ID: ICP2

Calibration: UNASSIGNED

Sequence: BPH0303

| Lab Sample ID | Analyte | True | Found | %R | Units | QC Limits |
|---------------|-----------|--------|-------|-----|-------|-----------|
| BPH0303-CRL3 | Copper | 0.0100 | 0.011 | 110 | mg/L | 70 - 130 |
| | Copper | 0.0100 | 0.011 | 110 | mg/L | 70 - 130 |
| | Iron | 0.0500 | 0.052 | 104 | mg/L | 70 - 130 |
| | Iron | 0.0500 | 0.052 | 104 | mg/L | 70 - 130 |
| | Magnesium | 0.100 | 0.098 | 98 | mg/L | 70 - 130 |
| | Magnesium | 0.100 | 0.098 | 98 | mg/L | 70 - 130 |
| | Zinc | 0.0100 | 0.009 | 90 | mg/L | 70 - 130 |
| | Zinc | 0.0100 | 0.009 | 90 | mg/L | 70 - 130 |

* Values outside of QC limits

CRDL STANDARD

6010B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Instrument ID: ICP3

Calibration: UNASSIGNED

Sequence: BPH0306

| Lab Sample ID | Analyte | True | Found | %R | Units | QC Limits |
|---------------|-----------|---------|-------|-----|-------|-----------|
| BPH0306-CRL1 | Aluminum | 0.250 | 0.247 | 99 | mg/L | 70 - 130 |
| | Aluminum | 0.250 | 0.247 | 99 | mg/L | 70 - 130 |
| | Antimony | 0.0500 | 0.045 | 90 | mg/L | 70 - 130 |
| | Antimony | 0.0500 | 0.045 | 90 | mg/L | 70 - 130 |
| | Beryllium | 0.00500 | 0.005 | 100 | mg/L | 70 - 130 |
| | Beryllium | 0.00500 | 0.005 | 100 | mg/L | 70 - 130 |
| | Cadmium | 0.0250 | 0.024 | 96 | mg/L | 70 - 130 |
| | Cadmium | 0.0250 | 0.024 | 96 | mg/L | 70 - 130 |
| | Calcium | 0.500 | 0.483 | 97 | mg/L | 70 - 130 |
| | Calcium | 0.500 | 0.483 | 97 | mg/L | 70 - 130 |
| | Chromium | 0.0500 | 0.049 | 98 | mg/L | 70 - 130 |
| | Chromium | 0.0500 | 0.049 | 98 | mg/L | 70 - 130 |
| | Copper | 0.0500 | 0.048 | 96 | mg/L | 70 - 130 |
| | Copper | 0.0500 | 0.048 | 96 | mg/L | 70 - 130 |
| | Iron | 0.250 | 0.239 | 96 | mg/L | 70 - 130 |
| | Iron | 0.250 | 0.239 | 96 | mg/L | 70 - 130 |
| | Lead | 0.0500 | 0.047 | 94 | mg/L | 70 - 130 |
| | Lead | 0.0500 | 0.047 | 94 | mg/L | 70 - 130 |
| | Magnesium | 0.500 | 0.479 | 96 | mg/L | 70 - 130 |
| | Magnesium | 0.500 | 0.479 | 96 | mg/L | 70 - 130 |
| | Nickel | 0.0500 | 0.047 | 94 | mg/L | 70 - 130 |
| | Nickel | 0.0500 | 0.047 | 94 | mg/L | 70 - 130 |
| | Selenium | 0.100 | 0.099 | 99 | mg/L | 70 - 130 |
| | Selenium | 0.100 | 0.099 | 99 | mg/L | 70 - 130 |
| | Silver | 0.0250 | 0.025 | 100 | mg/L | 70 - 130 |
| | Silver | 0.0250 | 0.025 | 100 | mg/L | 70 - 130 |
| | Zinc | 0.0500 | 0.048 | 96 | mg/L | 70 - 130 |
| | Zinc | 0.0500 | 0.048 | 96 | mg/L | 70 - 130 |

CRDL STANDARD

6010B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Instrument ID: ICP3

Calibration: UNASSIGNED

Sequence: BPH0306

| Lab Sample ID | Analyte | True | Found | %R | Units | QC Limits |
|---------------|-----------|---------|-------|-----|-------|-----------|
| BPH0306-CRL2 | Aluminum | 0.100 | 0.102 | 102 | mg/L | 70 - 130 |
| | Aluminum | 0.100 | 0.102 | 102 | mg/L | 70 - 130 |
| | Antimony | 0.0200 | 0.018 | 90 | mg/L | 70 - 130 |
| | Antimony | 0.0200 | 0.018 | 90 | mg/L | 70 - 130 |
| | Beryllium | 0.00200 | 0.002 | 100 | mg/L | 70 - 130 |
| | Beryllium | 0.00200 | 0.002 | 100 | mg/L | 70 - 130 |
| | Cadmium | 0.0100 | 0.009 | 90 | mg/L | 70 - 130 |
| | Cadmium | 0.0100 | 0.009 | 90 | mg/L | 70 - 130 |
| | Calcium | 0.200 | 0.185 | 92 | mg/L | 70 - 130 |
| | Calcium | 0.200 | 0.185 | 92 | mg/L | 70 - 130 |
| | Chromium | 0.0200 | 0.019 | 95 | mg/L | 70 - 130 |
| | Chromium | 0.0200 | 0.019 | 95 | mg/L | 70 - 130 |
| | Copper | 0.0200 | 0.018 | 90 | mg/L | 70 - 130 |
| | Copper | 0.0200 | 0.018 | 90 | mg/L | 70 - 130 |
| | Iron | 0.100 | 0.091 | 91 | mg/L | 70 - 130 |
| | Iron | 0.100 | 0.091 | 91 | mg/L | 70 - 130 |
| | Lead | 0.0200 | 0.017 | 85 | mg/L | 70 - 130 |
| | Lead | 0.0200 | 0.017 | 85 | mg/L | 70 - 130 |
| | Magnesium | 0.200 | 0.185 | 92 | mg/L | 70 - 130 |
| | Magnesium | 0.200 | 0.185 | 92 | mg/L | 70 - 130 |
| | Nickel | 0.0200 | 0.017 | 85 | mg/L | 70 - 130 |
| | Nickel | 0.0200 | 0.017 | 85 | mg/L | 70 - 130 |
| | Selenium | 0.0400 | 0.039 | 98 | mg/L | 70 - 130 |
| | Selenium | 0.0400 | 0.039 | 98 | mg/L | 70 - 130 |
| | Silver | 0.0100 | 0.010 | 100 | mg/L | 70 - 130 |
| | Silver | 0.0100 | 0.010 | 100 | mg/L | 70 - 130 |
| | Zinc | 0.0200 | 0.018 | 90 | mg/L | 70 - 130 |
| | Zinc | 0.0200 | 0.018 | 90 | mg/L | 70 - 130 |

CRDL STANDARD

6010B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Instrument ID: ICP3

Calibration: UNASSIGNED

Sequence: BPH0306

| Lab Sample ID | Analyte | True | Found | %R | Units | QC Limits |
|---------------|-----------|---------|--------|------|-------|-----------|
| BPH0306-CRL3 | Aluminum | 0.0500 | 0.053 | 106 | mg/L | 70 - 130 |
| | Aluminum | 0.0500 | 0.053 | 106 | mg/L | 70 - 130 |
| | Antimony | 0.0100 | 0.006 | 60 * | mg/L | 70 - 130 |
| | Antimony | 0.0100 | 0.006 | 60 * | mg/L | 70 - 130 |
| | Beryllium | 0.00100 | 0.0009 | 90 | mg/L | 70 - 130 |
| | Beryllium | 0.00100 | 0.0009 | 90 | mg/L | 70 - 130 |
| | Cadmium | 0.00500 | 0.004 | 80 | mg/L | 70 - 130 |
| | Cadmium | 0.00500 | 0.004 | 80 | mg/L | 70 - 130 |
| | Calcium | 0.100 | 0.081 | 81 | mg/L | 70 - 130 |
| | Calcium | 0.100 | 0.081 | 81 | mg/L | 70 - 130 |
| | Chromium | 0.0100 | 0.009 | 90 | mg/L | 70 - 130 |
| | Chromium | 0.0100 | 0.009 | 90 | mg/L | 70 - 130 |
| | Copper | 0.0100 | 0.007 | 70 | mg/L | 70 - 130 |
| | Copper | 0.0100 | 0.007 | 70 | mg/L | 70 - 130 |
| | Iron | 0.0500 | 0.040 | 80 | mg/L | 70 - 130 |
| | Iron | 0.0500 | 0.040 | 80 | mg/L | 70 - 130 |
| | Lead | 0.0100 | 0.008 | 80 | mg/L | 70 - 130 |
| | Lead | 0.0100 | 0.008 | 80 | mg/L | 70 - 130 |
| | Magnesium | 0.100 | 0.085 | 85 | mg/L | 70 - 130 |
| | Magnesium | 0.100 | 0.085 | 85 | mg/L | 70 - 130 |
| | Nickel | 0.0100 | 0.006 | 60 * | mg/L | 70 - 130 |
| | Nickel | 0.0100 | 0.006 | 60 * | mg/L | 70 - 130 |
| | Selenium | 0.0200 | 0.021 | 105 | mg/L | 70 - 130 |
| | Selenium | 0.0200 | 0.021 | 105 | mg/L | 70 - 130 |
| | Silver | 0.00500 | 0.005 | 100 | mg/L | 70 - 130 |
| | Silver | 0.00500 | 0.005 | 100 | mg/L | 70 - 130 |
| | Zinc | 0.0100 | 0.007 | 70 | mg/L | 70 - 130 |
| | Zinc | 0.0100 | 0.007 | 70 | mg/L | 70 - 130 |

* Values outside of QC limits

**ESS Laboratory
ICP Data Review Checklist**

| | |
|---|------------------------------|
| SIF: 081466X1A | Date Run: 8/14/06 |
| Method: Everything | Y-IS: 1992/617.4 |
| Project Number(s): 081466X1A | SOP NO. 30 6010B |
| Review Item | |
| | Yes (X) No (X) N/A (X) |
| 1. Does the daily standard curve consist of a Calibration Blank and the required minimum number of calibration standards and is $R^2 > 0.995$ for all elements? | X |
| 2. Is the mid-point initial calibration standard reanalyzed immediately after calibration and results within QC limits? ($\pm 5\%$ for 200.7, 10% for 6010B) | X |
| 3. Are interference check standards analyzed at the beginning of each analytical run and within QC limits? | X |
| 4. Is the ICV from a second source and is its percent within QC limits ($\pm 10\%$ and $\%RPD < 5$)? | X |
| 5. Is the CRI standard 20% of the true value? | X |
| 6. Are the CCVs analyzed at required frequency and all parameters within QC limits? ($\pm 10\%$) | X |
| 7. Are the CCB standards analyzed at required frequency and at the end of the analytical sequence and are all parameters within QC limits? ($< MRL$) | X |
| 8. Is the method blank run at the desired frequency and is its concentration for target analytes less than the MRL? | X |
| 9. Is the Laboratory Control Sample run at the desired frequency and is the percent recovery within QC limits? ($\pm 15\%$ for 200.7, $+20\%$ for 6010B) | X |
| 10. Is the Matrix Duplicate run at the desired frequency and is the RPD within QC limits? ($\pm 20\%$ for aqueous and $+ 35\%$ for soil samples/ All USACE/Navy samples $< 25\%$) | X |
| 11. Is the matrix spike run at the desired frequency and is the percent recovery /RPD within QC limits? (75-125%) | X |
| 12. Is a Serial Dilution Analysis performed at the desired frequency and within QC limits? ($\pm 10\%$) | X |
| 13. Are post-digestion spikes analyzed at the desired frequency and within QC limits? (85-115% for 200.7, 75-125% for 6010B) | X |
| 14. Are all samples with concentrations greater than the linear dynamic range diluted and reanalyzed? | X |
| 15. Are all sample IDs and units checked for transcription errors? | X |
| 16. Are all nonconformances included and noted? | X |
| 17. Is the correct methodology used for sample prep and analysis? | X |
| 18. Are all sample holding times met? | X |
| 19. Did analyst sign/date the appropriate print outs and report sheets? | X |

Comments on any "No" response:
BH614/8 - m51x10: Cu - m52: Cu - 502: Cu

Analyst: SW Date: 8/15/06 2nd Level Review: [Signature] Date: 8/15/06

Page _____

Control 30.0007-0603A

Analytical Sequence

Method : everythingx

| Seq. | Loc. | Sample ID |
|------|------|-----------------|
| 1 | 1 | Calib Blank 1 |
| 2 | 2 | Calib Std 1 |
| 3 | 3 | Calib Std 2 |
| 4 | 4 | Calib Std 3 |
| 5 | 3 | STD2 |
| 6 | 5 | ICV |
| 7 | 1 | ICCB |
| 8 | 6 | CRI1 |
| 9 | 7 | CRI2 |
| 10 | 8 | CRI3 |
| 11 | 106 | ICSA |
| 12 | 105 | ICSAB |
| 13 | 3 | CCV |
| 14 | 1 | ICCB |
| 15 | 9 | BH61418-BLK1 |
| 16 | 10 | BH61418-BS1 |
| 17 | 11 | BH61418-BSD1 |
| 18 | 12 | BH61418-SRM1 |
| 19 | 13 | 0608248-01X5 |
| 20 | 14 | 0608248-02X5 |
| 21 | 15 | 0608248-03X10 |
| 22 | 16 | 0608248-04X5 |
| 23 | 17 | 0608248-05X5 |
| 24 | 18 | 0608248-06 |
| 25 | 3 | CCV |
| 26 | 1 | ICCB |
| 27 | 19 | 0608248-07X5 |
| 28 | 20 | 0608248-08X10 |
| 29 | 21 | BH61418-DUP1X10 |
| 30 | 22 | BH61418-MS1X10 |
| 31 | 23 | BH61418-SD1X50 |
| 32 | 24 | BH61418-PDS1X10 |
| 33 | 25 | 0608248-09 |
| 34 | 26 | 0608248-10X2 |
| 35 | 27 | 0608248-11 |
| 36 | 28 | BH61418-DUP2 |
| 37 | 3 | CCV |
| 38 | 1 | ICCB |
| 39 | 29 | BH61418-MS2 |
| 40 | 30 | BH61418-SD2 |
| 41 | 31 | BH61418-PDS2 |
| 42 | 3 | CCV |
| 43 | 1 | ICCB |
| 44 | 106 | ICSA |
| 45 | 105 | ICSAB |
| 46 | 0 | WASH |

Cu: 0.02

Zn: 0.02

Align View XY Axial for analyte Mn 257.640

| X-position | Y-position | Intensity |
|------------|------------|-----------|
| -2.0 | 15.0 | 317147.2 |
| -1.6 | 15.0 | 442554.5 |
| -1.2 | 15.0 | 626934.9 |
| -0.8 | 15.0 | 756855.8 |
| -0.4 | 15.0 | 862641.6 |
| 0.0 | 15.0 | 922780.4 |
| 0.4 | 15.0 | 868958.9 |
| 0.8 | 15.0 | 751686.0 |
| 1.2 | 15.0 | 582617.6 |
| 1.6 | 15.0 | 447880.4 |
| 2.0 | 15.0 | 321157.0 |
| 0.0 | 10.0 | 1766.1 |
| 0.0 | 10.5 | 14590.6 |
| 0.0 | 11.0 | 38984.4 |
| 0.0 | 11.5 | 76731.5 |
| 0.0 | 12.0 | 129097.3 |
| 0.0 | 12.5 | 301687.6 |
| 0.0 | 13.0 | 409533.4 |
| 0.0 | 13.5 | 536686.3 |
| 0.0 | 14.0 | 684234.7 |
| 0.0 | 14.5 | 894039.2 |
| 0.0 | 15.0 | 899698.0 |
| 0.0 | 15.5 | 878967.5 |
| 0.0 | 16.0 | 776935.2 |
| 0.0 | 16.5 | 523887.7 |
| 0.0 | 17.0 | 396845.1 |
| 0.0 | 17.5 | 268845.4 |
| 0.0 | 18.0 | 194988.8 |
| 0.0 | 18.5 | 126190.0 |
| 0.0 | 19.0 | 47989.8 |
| 0.0 | 19.5 | 29082.0 |
| 0.0 | 20.0 | 15901.6 |
| -0.8 | 15.0 | 744362.4 |
| -0.4 | 15.0 | 889093.2 |
| 0.0 | 15.0 | 914691.9 |
| 0.4 | 15.0 | 872794.8 |
| 0.8 | 15.0 | 743828.9 |
| 0.0 | 13.0 | 389696.7 |
| 0.0 | 13.5 | 537895.5 |
| 0.0 | 14.0 | 682624.6 |
| 0.0 | 14.5 | 913737.2 |
| 0.0 | 15.0 | 910462.3 |
| 0.0 | 15.5 | 892203.8 |
| 0.0 | 16.0 | 799140.2 |
| 0.0 | 16.5 | 511584.6 |
| 0.0 | 17.0 | 397913.5 |

8/14/2006 7:14:44 PM aligned for analyte Mn 257.640

X viewing position set to 0.0 mm having Peak intensity 913737.2 for Axial viewing
Y viewing position set to 14.5 mm having Peak intensity 913737.2 for Axial viewing

Analysis Begun

Start Time: 8/14/2006 7:25:25 PM

Plasma On Time: 8/14/2006 6:26:53 PM

Logged In Analyst: ICP2

Technique: ICP Continuous

Spectrometer Model: Optima 3100 XL, S/N 069N8031701 Autosampler Model: AS-90

Sample Information File: C:\pe\ICP2\Sample Information\081406XA.sif

Batch ID: 081406xa

Results Data Set: 081406XAD

Results Library: Q:\Metals\Results\Icp2\Results\Results.mdb

Method Loaded

Method Name: everythingx
IEC File: 011006.iecMethod Last Saved: 7/20/2006 3:40:46 PM
MSF File:

=====
Analysis Begun

Start Time: 8/14/2006 7:29:17 PM Plasma On Time: 8/14/2006 6:26:53 PM
Logged In Analyst: ICP2 Technique: ICP Continuous
Spectrometer Model: Optima 3100 XL, S/N 069N8031701 Autosampler Model: AS-90

Sample Information File: C:\pe\ICP2\Sample Information\081406XA.sif
Batch ID: 081406xa
Results Data Set: 081406XAD
Results Library: Q:\Metals\Results\Icp2\Results\Results.mdb

=====
Sequence No.: 1 Autosampler Location: 1
Sample ID: Calib Blank 1 Date Collected: 8/14/2006 7:29:17 PM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Replicate Data: Calib Blank 1

| Repl# | Analyte | Net Intensity | Corrected Intensity | Conc. | Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------|-------|---------------|
| 1 | Y 360.073 | 1998172.3 | 1998172.3 | 1.00 | mg/L | 19:30:48 |
| 1 | Ag 328.068† | 478.8 | 477.4 | [0.00] | mg/L | 19:30:53 |
| 1 | Al 237.313† | -285.0 | -284.2 | [0.00] | mg/L | 19:31:14 |
| 1 | As 188.979† | -8.9 | -8.8 | [0.00] | mg/L | 19:31:14 |
| 1 | B 182.528† | -22.2 | -22.1 | [0.00] | mg/L | 19:31:14 |
| 1 | Ba 233.527† | 220.8 | 220.2 | [0.00] | mg/L | 19:31:14 |
| 1 | Be 313.107† | 3148.2 | 3139.5 | [0.00] | mg/L | 19:30:48 |
| 1 | Ca 315.886† | -285.5 | -284.7 | [0.00] | mg/L | 19:30:53 |
| 1 | Cd 228.802† | 531.3 | 529.9 | [0.00] | mg/L | 19:31:14 |
| 1 | Co 228.616† | -163.9 | -163.5 | [0.00] | mg/L | 19:31:14 |
| 1 | Cr 267.716† | 1437.1 | 1433.1 | [0.00] | mg/L | 19:30:53 |
| 1 | Cu 324.752† | 2122.5 | 2116.6 | [0.00] | mg/L | 19:30:53 |
| 1 | Fe 238.204† | 1174.3 | 1171.1 | [0.00] | mg/L | 19:31:14 |
| 1 | Fe 234.349† | 657.2 | 655.3 | [0.00] | mg/L | 19:31:14 |
| 1 | Mg 279.077† | -809.0 | -806.8 | [0.00] | mg/L | 19:30:53 |
| 1 | Mn 257.610† | 1275.1 | 1271.5 | [0.00] | mg/L | 19:31:14 |
| 1 | Mo 202.031† | 77.6 | 77.4 | [0.00] | mg/L | 19:31:14 |
| 1 | Na 330.237† | 1486.2 | 1482.0 | [0.00] | mg/L | 19:30:53 |
| 1 | Ni 231.604† | 4203.2 | 4191.5 | [0.00] | mg/L | 19:30:53 |
| 1 | Pb 220.353† | 48.7 | 48.6 | [0.00] | mg/L | 19:31:14 |
| 1 | Sb 206.836† | 50.9 | 50.7 | [0.00] | mg/L | 19:31:14 |
| 1 | Se 196.026† | -15.1 | -15.1 | [0.00] | mg/L | 19:31:14 |
| 1 | Sn 189.927† | 193.0 | 192.5 | [0.00] | mg/L | 19:31:14 |
| 1 | Ti 337.279† | 288.1 | 287.3 | [0.00] | mg/L | 19:30:53 |
| 1 | Tl 190.801† | -16.3 | -16.3 | [0.00] | mg/L | 19:31:14 |
| 1 | V 292.402† | 2244.9 | 2238.6 | [0.00] | mg/L | 19:30:53 |
| 1 | Zn 213.857† | 1045.8 | 1042.9 | [0.00] | mg/L | 19:31:14 |
| 2 | Y 360.073 | 1987062.5 | 1987062.5 | 0.997 | mg/L | 19:31:20 |
| 2 | Ag 328.068† | 503.0 | 504.4 | [0.00] | mg/L | 19:31:25 |
| 2 | Al 237.313† | -267.1 | -267.8 | [0.00] | mg/L | 19:31:45 |
| 2 | As 188.979† | -9.6 | -9.7 | [0.00] | mg/L | 19:31:45 |
| 2 | B 182.528† | -21.2 | -21.3 | [0.00] | mg/L | 19:31:45 |
| 2 | Ba 233.527† | 212.0 | 212.6 | [0.00] | mg/L | 19:31:45 |
| 2 | Be 313.107† | 3093.4 | 3102.1 | [0.00] | mg/L | 19:31:20 |
| 2 | Ca 315.886† | -352.5 | -353.5 | [0.00] | mg/L | 19:31:25 |
| 2 | Cd 228.802† | 554.8 | 556.3 | [0.00] | mg/L | 19:31:45 |
| 2 | Co 228.616† | -166.0 | -166.5 | [0.00] | mg/L | 19:31:45 |
| 2 | Cr 267.716† | 1444.3 | 1448.4 | [0.00] | mg/L | 19:31:25 |
| 2 | Cu 324.752† | 2083.1 | 2088.9 | [0.00] | mg/L | 19:31:25 |
| 2 | Fe 238.204† | 1079.4 | 1082.4 | [0.00] | mg/L | 19:31:45 |
| 2 | Fe 234.349† | 637.2 | 639.0 | [0.00] | mg/L | 19:31:45 |
| 2 | Mg 279.077† | -822.5 | -824.8 | [0.00] | mg/L | 19:31:25 |
| 2 | Mn 257.610† | 1277.1 | 1280.7 | [0.00] | mg/L | 19:31:45 |
| 2 | Mo 202.031† | 83.1 | 83.3 | [0.00] | mg/L | 19:31:45 |
| 2 | Na 330.237† | 1522.9 | 1527.1 | [0.00] | mg/L | 19:31:25 |
| 2 | Ni 231.604† | 4058.9 | 4070.3 | [0.00] | mg/L | 19:31:25 |
| 2 | Pb 220.353† | 46.0 | 46.1 | [0.00] | mg/L | 19:31:45 |

| | | | | | |
|---|-------------|--------|--------|-------------|----------|
| 2 | Sb 206.836† | 52.6 | 52.8 | [0.00] mg/L | 19:31:45 |
| 2 | Se 196.026† | -17.2 | -17.2 | [0.00] mg/L | 19:31:45 |
| 2 | Sn 189.927† | 186.4 | 186.9 | [0.00] mg/L | 19:31:45 |
| 2 | Ti 337.279† | 367.2 | 368.3 | [0.00] mg/L | 19:31:25 |
| 2 | Tl 190.801† | -19.7 | -19.8 | [0.00] mg/L | 19:31:45 |
| 2 | V 292.402† | 2296.4 | 2302.8 | [0.00] mg/L | 19:31:25 |
| 2 | Zn 213.857† | 1052.1 | 1055.1 | [0.00] mg/L | 19:31:45 |

Mean Data: Calib Blank 1

| Analyte | Mean Corrected | | Std.Dev. | RSD | Calib | |
|-------------|----------------|--|----------|--------|--------|-------|
| | Intensity | | | | Conc. | Units |
| Y 360.073 | 1992617.4 | | 7855.82 | 0.39% | 1.00 | mg/L |
| Ag 328.068† | 490.9 | | 19.09 | 3.89% | [0.00] | mg/L |
| Al 237.313† | -276.0 | | 11.60 | 4.20% | [0.00] | mg/L |
| As 188.979† | -9.3 | | 0.59 | 6.34% | [0.00] | mg/L |
| B 182.528† | -21.7 | | 0.57 | 2.64% | [0.00] | mg/L |
| Ba 233.527† | 216.4 | | 5.35 | 2.47% | [0.00] | mg/L |
| Be 313.107† | 3120.8 | | 26.46 | 0.85% | [0.00] | mg/L |
| Ca 315.886† | -319.1 | | 48.65 | 15.24% | [0.00] | mg/L |
| Cd 228.802† | 543.1 | | 18.72 | 3.45% | [0.00] | mg/L |
| Co 228.616† | -165.0 | | 2.12 | 1.28% | [0.00] | mg/L |
| Cr 267.716† | 1440.7 | | 10.82 | 0.75% | [0.00] | mg/L |
| Cu 324.752† | 2102.8 | | 19.55 | 0.93% | [0.00] | mg/L |
| Fe 238.204† | 1126.7 | | 62.71 | 5.57% | [0.00] | mg/L |
| Fe 234.349† | 647.2 | | 11.54 | 1.78% | [0.00] | mg/L |
| Mg 279.077† | -815.8 | | 12.76 | 1.56% | [0.00] | mg/L |
| Mn 257.610† | 1276.1 | | 6.46 | 0.51% | [0.00] | mg/L |
| Mo 202.031† | 80.3 | | 4.16 | 5.18% | [0.00] | mg/L |
| Na 330.237† | 1504.6 | | 31.88 | 2.12% | [0.00] | mg/L |
| Ni 231.604† | 4130.9 | | 85.75 | 2.08% | [0.00] | mg/L |
| Pb 220.353† | 47.3 | | 1.76 | 3.73% | [0.00] | mg/L |
| Sb 206.836† | 51.8 | | 1.46 | 2.82% | [0.00] | mg/L |
| Se 196.026† | -16.1 | | 1.51 | 9.38% | [0.00] | mg/L |
| Sn 189.927† | 189.7 | | 3.93 | 2.07% | [0.00] | mg/L |
| Ti 337.279† | 327.8 | | 57.22 | 17.46% | [0.00] | mg/L |
| Tl 190.801† | -18.0 | | 2.44 | 13.53% | [0.00] | mg/L |
| V 292.402† | 2270.7 | | 45.36 | 2.00% | [0.00] | mg/L |
| Zn 213.857† | 1049.0 | | 8.60 | 0.82% | [0.00] | mg/L |

Sequence No.: 2
 Sample ID: Calib Std 1
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 2
 Date Collected: 8/14/2006 7:33:21 PM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Replicate Data: Calib Std 1

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. | Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------------|-------|---------------|
| 1 | Y 360.073 | 2029062.8 | 2029062.8 | 1.02 | mg/L | 19:34:53 |
| 1 | Ag 328.068† | 13965.5 | 13223.7 | [0.0500] | mg/L | 19:34:58 |
| 1 | Al 237.313† | 3099.2 | 3319.6 | [0.5] | mg/L | 19:34:58 |
| 1 | As 188.979† | 51.0 | 59.3 | [0.1000] | mg/L | 19:35:18 |
| 1 | B 182.528† | 71.0 | 91.5 | [0.1000] | mg/L | 19:35:18 |
| 1 | Ba 233.527† | 15640.2 | 15142.9 | [0.1000] | mg/L | 19:34:58 |
| 1 | Be 313.107† | 48049.7 | 44065.8 | [0.0100] | mg/L | 19:34:53 |
| 1 | Ca 315.886† | 110359.3 | 108696.2 | [1.0000] | mg/L | 19:34:58 |
| 1 | Cd 228.802† | 3901.0 | 3287.9 | [0.0500] | mg/L | 19:35:18 |
| 1 | Co 228.616† | 5605.0 | 5669.3 | [0.1000] | mg/L | 19:34:58 |
| 1 | Cr 267.716† | 12681.8 | 11013.3 | [0.1000] | mg/L | 19:34:58 |
| 1 | Cu 324.752† | 22922.7 | 20408.2 | [0.1000] | mg/L | 19:34:58 |
| 1 | Fe 238.204† | 53686.5 | 51595.5 | [0.5] | mg/L | 19:34:58 |
| 1 | Fe 234.349† | 15993.3 | 15058.8 | [0.5] | mg/L | 19:34:58 |
| 1 | Mg 279.077† | 15482.5 | 16020.2 | [1.0000] | mg/L | 19:34:58 |
| 1 | Mn 257.610† | 88699.1 | 85829.8 | [0.1000] | mg/L | 19:34:58 |
| 1 | Mo 202.031† | 1041.5 | 942.4 | [0.1000] | mg/L | 19:35:18 |
| 1 | Na 330.237† | 4632.3 | 3044.6 | [5.0000] | mg/L | 19:34:58 |
| 1 | Ni 231.604† | 8414.0 | 4131.9 | [0.1000] | mg/L | 19:34:58 |
| 1 | Pb 220.353† | 783.1 | 721.7 | [0.1000] | mg/L | 19:35:18 |

| | | | | | | |
|---|-------------|-----------|-----------|----------|------|----------|
| 1 | Sb 206.836† | 358.1 | 299.9 | [0.1000] | mg/L | 19:35:18 |
| 1 | Se 196.026† | 89.7 | 104.2 | [0.2000] | mg/L | 19:35:18 |
| 1 | Sn 189.927† | 369.0 | 172.7 | [0.1000] | mg/L | 19:35:18 |
| 1 | Ti 337.279† | 54729.8 | 53419.0 | [0.1000] | mg/L | 19:34:58 |
| 1 | Tl 190.801† | 76.6 | 93.2 | [0.1000] | mg/L | 19:35:18 |
| 1 | V 292.402† | 20473.4 | 17834.9 | [0.1000] | mg/L | 19:34:58 |
| 1 | Zn 213.857† | 9165.8 | 7952.2 | [0.1000] | mg/L | 19:34:58 |
| 2 | Y 360.073 | 2013995.7 | 2013995.7 | 1.01 | mg/L | 19:35:24 |
| 2 | Ag 328.068† | 14240.5 | 13598.5 | [0.0500] | mg/L | 19:35:30 |
| 2 | Al 237.313† | 3143.1 | 3385.8 | [0.5] | mg/L | 19:35:30 |
| 2 | As 188.979† | 48.8 | 57.6 | [0.1000] | mg/L | 19:35:50 |
| 2 | B 182.528† | 66.7 | 87.7 | [0.1000] | mg/L | 19:35:50 |
| 2 | Ba 233.527† | 15849.1 | 15464.5 | [0.1000] | mg/L | 19:35:30 |
| 2 | Be 313.107† | 47804.2 | 44176.0 | [0.0100] | mg/L | 19:35:24 |
| 2 | Ca 315.886† | 111593.0 | 110727.6 | [1.0000] | mg/L | 19:35:30 |
| 2 | Cd 228.802† | 3885.6 | 3301.2 | [0.0500] | mg/L | 19:35:50 |
| 2 | Co 228.616† | 5607.3 | 5712.7 | [0.1000] | mg/L | 19:35:30 |
| 2 | Cr 267.716† | 12812.2 | 11235.5 | [0.1000] | mg/L | 19:35:30 |
| 2 | Cu 324.752† | 23217.9 | 20868.7 | [0.1000] | mg/L | 19:35:30 |
| 2 | Fe 238.204† | 54365.6 | 52661.8 | [0.5] | mg/L | 19:35:30 |
| 2 | Fe 234.349† | 16201.1 | 15382.0 | [0.5] | mg/L | 19:35:30 |
| 2 | Mg 279.077† | 15669.2 | 16318.6 | [1.0000] | mg/L | 19:35:30 |
| 2 | Mn 257.610† | 89744.7 | 87516.0 | [0.1000] | mg/L | 19:35:30 |
| 2 | Mo 202.031† | 1038.4 | 947.0 | [0.1000] | mg/L | 19:35:50 |
| 2 | Na 330.237† | 4717.1 | 3162.4 | [5.0000] | mg/L | 19:35:30 |
| 2 | Ni 231.604† | 8429.2 | 4208.8 | [0.1000] | mg/L | 19:35:30 |
| 2 | Pb 220.353† | 780.9 | 725.3 | [0.1000] | mg/L | 19:35:50 |
| 2 | Sb 206.836† | 369.0 | 313.4 | [0.1000] | mg/L | 19:35:50 |
| 2 | Se 196.026† | 90.6 | 105.8 | [0.2000] | mg/L | 19:35:50 |
| 2 | Sn 189.927† | 363.7 | 170.1 | [0.1000] | mg/L | 19:35:50 |
| 2 | Ti 337.279† | 55575.8 | 54658.1 | [0.1000] | mg/L | 19:35:30 |
| 2 | Tl 190.801† | 69.4 | 86.7 | [0.1000] | mg/L | 19:35:50 |
| 2 | V 292.402† | 20713.5 | 18222.9 | [0.1000] | mg/L | 19:35:30 |
| 2 | Zn 213.857† | 9314.0 | 8166.1 | [0.1000] | mg/L | 19:35:30 |

Mean Data: Calib Std 1

| Analyte | Mean Corrected Intensity | Std.Dev. | RSD | Calib Conc. | Units |
|-------------|--------------------------|----------|-------|-------------|-------|
| Y 360.073 | 2021529.3 | 10654.00 | 0.53% | 1.01 | mg/L |
| Ag 328.068† | 13411.1 | 264.97 | 1.98% | [0.0500] | mg/L |
| Al 237.313† | 3352.7 | 46.84 | 1.40% | [0.5] | mg/L |
| As 188.979† | 58.5 | 1.25 | 2.13% | [0.1000] | mg/L |
| B 182.528† | 89.6 | 2.64 | 2.95% | [0.1000] | mg/L |
| Ba 233.527† | 15303.7 | 227.40 | 1.49% | [0.1000] | mg/L |
| Be 313.107† | 44120.9 | 77.86 | 0.18% | [0.0100] | mg/L |
| Ca 315.886† | 109711.9 | 1436.43 | 1.31% | [1.0000] | mg/L |
| Cd 228.802† | 3294.6 | 9.45 | 0.29% | [0.0500] | mg/L |
| Co 228.616† | 5691.0 | 30.70 | 0.54% | [0.1000] | mg/L |
| Cr 267.716† | 11124.4 | 157.13 | 1.41% | [0.1000] | mg/L |
| Cu 324.752† | 20638.5 | 325.62 | 1.58% | [0.1000] | mg/L |
| Fe 238.204† | 52128.6 | 753.96 | 1.45% | [0.5] | mg/L |
| Fe 234.349† | 15220.4 | 228.49 | 1.50% | [0.5] | mg/L |
| Mg 279.077† | 16169.4 | 211.05 | 1.31% | [1.0000] | mg/L |
| Mn 257.610† | 86672.9 | 1192.29 | 1.38% | [0.1000] | mg/L |
| Mo 202.031† | 944.7 | 3.24 | 0.34% | [0.1000] | mg/L |
| Na 330.237† | 3103.5 | 83.34 | 2.69% | [5.0000] | mg/L |
| Ni 231.604† | 4170.4 | 54.34 | 1.30% | [0.1000] | mg/L |
| Pb 220.353† | 723.5 | 2.52 | 0.35% | [0.1000] | mg/L |
| Sb 206.836† | 306.6 | 9.49 | 3.10% | [0.1000] | mg/L |
| Se 196.026† | 105.0 | 1.11 | 1.06% | [0.2000] | mg/L |
| Sn 189.927† | 171.4 | 1.83 | 1.07% | [0.1000] | mg/L |
| Ti 337.279† | 54038.5 | 876.18 | 1.62% | [0.1000] | mg/L |
| Tl 190.801† | 89.9 | 4.64 | 5.16% | [0.1000] | mg/L |
| V 292.402† | 18028.9 | 274.33 | 1.52% | [0.1000] | mg/L |
| Zn 213.857† | 8059.1 | 151.28 | 1.88% | [0.1000] | mg/L |

Sequence No.: 3
Sample ID: Calib Std 2
Analyst:

Autosampler Location: 3
Date Collected: 8/14/2006 7:37:29 PM
Data Type: Original

Initial Sample Wt:
Dilution:

Initial Sample Vol:
Sample Prep Vol:

Replicate Data: Calib Std 2

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. | Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------------|-------|---------------|
| 1 | Y 360.073 | 2005131.4 | 2005131.4 | 1.01 | mg/L | 19:39:03 |
| 1 | Ag 328.068† | 70152.6 | 69223.9 | [0.2500] | mg/L | 19:39:08 |
| 1 | Al 237.313† | 17046.5 | 17216.1 | [2.5] | mg/L | 19:39:08 |
| 1 | As 188.979† | 306.0 | 313.3 | [0.5000] | mg/L | 19:39:28 |
| 1 | B 182.528† | 454.4 | 473.3 | [0.5000] | mg/L | 19:39:28 |
| 1 | Ba 233.527† | 77694.3 | 76993.0 | [0.5000] | mg/L | 19:39:08 |
| 1 | Be 313.107† | 229320.7 | 224768.7 | [0.0500] | mg/L | 19:39:03 |
| 1 | Ca 315.886† | 559363.9 | 556192.1 | [5.0000] | mg/L | 19:39:03 |
| 1 | Cd 228.802† | 18074.6 | 17418.7 | [0.2500] | mg/L | 19:39:08 |
| 1 | Co 228.616† | 28734.4 | 28720.0 | [0.5000] | mg/L | 19:39:08 |
| 1 | Cr 267.716† | 58337.3 | 56532.5 | [0.5000] | mg/L | 19:39:08 |
| 1 | Cu 324.752† | 107080.4 | 104309.4 | [0.5000] | mg/L | 19:39:08 |
| 1 | Fe 238.204† | 264031.1 | 261256.6 | [2.5] | mg/L | 19:39:08 |
| 1 | Fe 234.349† | 77448.9 | 76318.3 | [2.5] | mg/L | 19:39:08 |
| 1 | Mg 279.077† | 82220.7 | 82523.3 | [5.0000] | mg/L | 19:39:08 |
| 1 | Mn 257.610† | 444476.9 | 440426.9 | [0.5000] | mg/L | 19:39:03 |
| 1 | Mo 202.031† | 4957.6 | 4846.3 | [0.5000] | mg/L | 19:39:28 |
| 1 | Na 330.237† | 18505.4 | 16885.4 | [25.0000] | mg/L | 19:39:08 |
| 1 | Ni 231.604† | 25452.2 | 21162.5 | [0.5000] | mg/L | 19:39:08 |
| 1 | Pb 220.353† | 3796.6 | 3725.6 | [0.5000] | mg/L | 19:39:28 |
| 1 | Sb 206.836† | 1656.3 | 1594.2 | [0.5000] | mg/L | 19:39:28 |
| 1 | Se 196.026† | 532.5 | 545.3 | [1.0000] | mg/L | 19:39:28 |
| 1 | Sn 189.927† | 1286.3 | 1088.5 | [0.5000] | mg/L | 19:39:28 |
| 1 | Ti 337.279† | 285443.0 | 283333.7 | [0.5000] | mg/L | 19:39:03 |
| 1 | Tl 190.801† | 474.0 | 489.0 | [0.5000] | mg/L | 19:39:28 |
| 1 | V 292.402† | 95089.5 | 92225.4 | [0.5000] | mg/L | 19:39:08 |
| 1 | Zn 213.857† | 40617.5 | 39315.0 | [0.5000] | mg/L | 19:39:08 |
| 2 | Y 360.073 | 2007712.6 | 2007712.6 | 1.01 | mg/L | 19:39:35 |
| 2 | Ag 328.068† | 70270.6 | 69251.3 | [0.2500] | mg/L | 19:39:41 |
| 2 | Al 237.313† | 17138.6 | 17285.7 | [2.5] | mg/L | 19:39:41 |
| 2 | As 188.979† | 309.9 | 316.8 | [0.5000] | mg/L | 19:40:01 |
| 2 | B 182.528† | 455.1 | 473.4 | [0.5000] | mg/L | 19:40:01 |
| 2 | Ba 233.527† | 77832.9 | 77031.3 | [0.5000] | mg/L | 19:39:41 |
| 2 | Be 313.107† | 229608.5 | 224761.4 | [0.0500] | mg/L | 19:39:35 |
| 2 | Ca 315.886† | 559868.8 | 555978.5 | [5.0000] | mg/L | 19:39:35 |
| 2 | Cd 228.802† | 18135.0 | 17455.6 | [0.2500] | mg/L | 19:39:41 |
| 2 | Co 228.616† | 28717.8 | 28666.9 | [0.5000] | mg/L | 19:39:41 |
| 2 | Cr 267.716† | 58448.1 | 56567.9 | [0.5000] | mg/L | 19:39:41 |
| 2 | Cu 324.752† | 107655.9 | 104743.7 | [0.5000] | mg/L | 19:39:41 |
| 2 | Fe 238.204† | 264590.9 | 261474.8 | [2.5] | mg/L | 19:39:41 |
| 2 | Fe 234.349† | 77551.2 | 76320.9 | [2.5] | mg/L | 19:39:41 |
| 2 | Mg 279.077† | 82344.0 | 82540.6 | [5.0000] | mg/L | 19:39:41 |
| 2 | Mn 257.610† | 444818.1 | 440197.6 | [0.5000] | mg/L | 19:39:35 |
| 2 | Mo 202.031† | 4988.3 | 4870.5 | [0.5000] | mg/L | 19:40:01 |
| 2 | Na 330.237† | 18609.0 | 16964.5 | [25.0000] | mg/L | 19:39:41 |
| 2 | Ni 231.604† | 25412.0 | 21090.0 | [0.5000] | mg/L | 19:39:41 |
| 2 | Pb 220.353† | 3801.8 | 3725.9 | [0.5000] | mg/L | 19:40:01 |
| 2 | Sb 206.836† | 1656.9 | 1592.7 | [0.5000] | mg/L | 19:40:01 |
| 2 | Se 196.026† | 529.7 | 541.8 | [1.0000] | mg/L | 19:40:01 |
| 2 | Sn 189.927† | 1271.3 | 1072.0 | [0.5000] | mg/L | 19:40:01 |
| 2 | Ti 337.279† | 280438.9 | 278002.6 | [0.5000] | mg/L | 19:39:35 |
| 2 | Tl 190.801† | 487.4 | 501.8 | [0.5000] | mg/L | 19:40:01 |
| 2 | V 292.402† | 95285.4 | 92298.2 | [0.5000] | mg/L | 19:39:41 |
| 2 | Zn 213.857† | 40701.2 | 39346.2 | [0.5000] | mg/L | 19:39:41 |

Mean Data: Calib Std 2

| Analyte | Mean Corrected Intensity | Std.Dev. | RSD | Calib Conc. | Units |
|-------------|--------------------------|----------|-------|-------------|-------|
| Y 360.073 | 2006422.0 | 1825.23 | 0.09% | 1.01 | mg/L |
| Ag 328.068† | 69237.6 | 19.41 | 0.03% | [0.2500] | mg/L |
| Al 237.313† | 17250.9 | 49.23 | 0.29% | [2.5] | mg/L |
| As 188.979† | 315.1 | 2.48 | 0.79% | [0.5000] | mg/L |
| B 182.528† | 473.3 | 0.08 | 0.02% | [0.5000] | mg/L |

| | | | | | |
|-------------|----------|---------|-------|-----------|------|
| Ba 233.527† | 77012.2 | 27.06 | 0.04% | [0.5000] | mg/L |
| Be 313.107† | 224765.1 | 5.14 | 0.00% | [0.0500] | mg/L |
| Ca 315.886† | 556085.3 | 151.01 | 0.03% | [5.0000] | mg/L |
| Cd 228.802† | 17437.1 | 26.10 | 0.15% | [0.2500] | mg/L |
| Co 228.616† | 28693.4 | 37.59 | 0.13% | [0.5000] | mg/L |
| Cr 267.716† | 56550.2 | 25.00 | 0.04% | [0.5000] | mg/L |
| Cu 324.752† | 104526.5 | 307.09 | 0.29% | [0.5000] | mg/L |
| Fe 238.204† | 261365.7 | 154.34 | 0.06% | [2.5] | mg/L |
| Fe 234.349† | 76319.6 | 1.81 | 0.00% | [2.5] | mg/L |
| Mg 279.077† | 82532.0 | 12.25 | 0.01% | [5.0000] | mg/L |
| Mn 257.610† | 440312.3 | 162.12 | 0.04% | [0.5000] | mg/L |
| Mo 202.031† | 4858.4 | 17.08 | 0.35% | [0.5000] | mg/L |
| Na 330.237† | 16925.0 | 56.00 | 0.33% | [25.0000] | mg/L |
| Ni 231.604† | 21126.2 | 51.27 | 0.24% | [0.5000] | mg/L |
| Pb 220.353† | 3725.7 | 0.24 | 0.01% | [0.5000] | mg/L |
| Sb 206.836† | 1593.5 | 1.12 | 0.07% | [0.5000] | mg/L |
| Se 196.026† | 543.6 | 2.44 | 0.45% | [1.0000] | mg/L |
| Sn 189.927† | 1080.3 | 11.66 | 1.08% | [0.5000] | mg/L |
| Ti 337.279† | 280668.1 | 3769.72 | 1.34% | [0.5000] | mg/L |
| Tl 190.801† | 495.4 | 8.99 | 1.81% | [0.5000] | mg/L |
| V 292.402† | 92261.8 | 51.53 | 0.06% | [0.5000] | mg/L |
| Zn 213.857† | 39330.6 | 22.04 | 0.06% | [0.5000] | mg/L |

Sequence No.: 4
 Sample ID: Calib Std 3
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 4
 Date Collected: 8/14/2006 7:41:38 PM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Replicate Data: Calib Std 3

| Repl# | Analyte | Net Intensity | Corrected Intensity | Conc. Units | Calib. | Analysis Time |
|-------|-------------|---------------|---------------------|-------------|--------|---------------|
| 1 | Y 360.073 | 1986937.9 | 1986937.9 | 0.997 | mg/L | 19:43:13 |
| 1 | Ag 328.068† | 139040.3 | 138946.9 | [0.5000] | mg/L | 19:43:18 |
| 1 | Al 237.313† | 34203.7 | 34577.5 | [5] | mg/L | 19:43:18 |
| 1 | As 188.979† | 616.3 | 627.3 | [1.0000] | mg/L | 19:43:38 |
| 1 | B 182.528† | 938.6 | 963.0 | [1.0000] | mg/L | 19:43:38 |
| 1 | Ba 233.527† | 151907.7 | 152125.6 | [1.0000] | mg/L | 19:43:18 |
| 1 | Be 313.107† | 447910.3 | 446069.9 | [0.1000] | mg/L | 19:43:13 |
| 1 | Ca 315.886† | 1096098.4 | 1099550.7 | [10.0000] | mg/L | 19:43:13 |
| 1 | Cd 228.802† | 35051.8 | 34608.9 | [0.5000] | mg/L | 19:43:18 |
| 1 | Co 228.616† | 56323.6 | 56649.6 | [1.0000] | mg/L | 19:43:18 |
| 1 | Cr 267.716† | 114019.7 | 112904.9 | [1.0000] | mg/L | 19:43:18 |
| 1 | Cu 324.752† | 212445.8 | 210950.3 | [1.0000] | mg/L | 19:43:18 |
| 1 | Fe 238.204† | 521997.1 | 522362.5 | [5] | mg/L | 19:43:13 |
| 1 | Fe 234.349† | 151209.4 | 150994.5 | [5] | mg/L | 19:43:18 |
| 1 | Mg 279.077† | 162843.6 | 164124.9 | [10.0000] | mg/L | 19:43:18 |
| 1 | Mn 257.610† | 864576.4 | 865771.6 | [1.0000] | mg/L | 19:43:13 |
| 1 | Mo 202.031† | 9727.4 | 9674.8 | [1.0000] | mg/L | 19:43:38 |
| 1 | Na 330.237† | 37086.2 | 35687.6 | [50.0000] | mg/L | 19:43:18 |
| 1 | Ni 231.604† | 46467.1 | 42469.0 | [1.0000] | mg/L | 19:43:18 |
| 1 | Pb 220.353† | 7471.9 | 7445.9 | [1.0000] | mg/L | 19:43:38 |
| 1 | Sb 206.836† | 3205.2 | 3162.6 | [1.0000] | mg/L | 19:43:38 |
| 1 | Se 196.026† | 1066.2 | 1085.4 | [2.0000] | mg/L | 19:43:38 |
| 1 | Sn 189.927† | 2330.3 | 2147.3 | [1.0000] | mg/L | 19:43:38 |
| 1 | Ti 337.279† | 547674.4 | 548912.1 | [1.0000] | mg/L | 19:43:13 |
| 1 | Tl 190.801† | 955.5 | 976.2 | [1.0000] | mg/L | 19:43:38 |
| 1 | V 292.402† | 186023.9 | 184285.0 | [1.0000] | mg/L | 19:43:18 |
| 1 | Zn 213.857† | 78836.7 | 78013.0 | [1.0000] | mg/L | 19:43:18 |
| 2 | Y 360.073 | 2003644.6 | 2003644.6 | 1.01 | mg/L | 19:43:45 |
| 2 | Ag 328.068† | 139720.8 | 138460.9 | [0.5000] | mg/L | 19:43:51 |
| 2 | Al 237.313† | 34424.3 | 34510.8 | [5] | mg/L | 19:43:51 |
| 2 | As 188.979† | 614.0 | 619.9 | [1.0000] | mg/L | 19:44:11 |
| 2 | B 182.528† | 934.0 | 950.6 | [1.0000] | mg/L | 19:44:11 |
| 2 | Ba 233.527† | 152616.7 | 151560.3 | [1.0000] | mg/L | 19:43:51 |
| 2 | Be 313.107† | 450990.2 | 445387.4 | [0.1000] | mg/L | 19:43:45 |
| 2 | Ca 315.886† | 1101577.8 | 1095834.4 | [10.0000] | mg/L | 19:43:45 |
| 2 | Cd 228.802† | 35293.3 | 34555.9 | [0.5000] | mg/L | 19:43:51 |
| 2 | Co 228.616† | 56739.9 | 56592.6 | [1.0000] | mg/L | 19:43:51 |

| | | | | | | |
|---|-------------|----------|----------|-----------|------|----------|
| 2 | Cr 267.716† | 114620.0 | 112548.5 | [1.0000] | mg/L | 19:43:51 |
| 2 | Cu 324.752† | 214114.9 | 210833.8 | [1.0000] | mg/L | 19:43:51 |
| 2 | Fe 238.204† | 525506.0 | 521487.2 | [5] | mg/L | 19:43:45 |
| 2 | Fe 234.349† | 152094.2 | 150610.0 | [5] | mg/L | 19:43:51 |
| 2 | Mg 279.077† | 163541.2 | 163456.9 | [10.0000] | mg/L | 19:43:51 |
| 2 | Mn 257.610† | 870053.9 | 863989.4 | [1.0000] | mg/L | 19:43:45 |
| 2 | Mo 202.031† | 9717.1 | 9583.3 | [1.0000] | mg/L | 19:44:11 |
| 2 | Na 330.237† | 37545.1 | 35833.9 | [50.0000] | mg/L | 19:43:51 |
| 2 | Ni 231.604† | 46561.2 | 42174.1 | [1.0000] | mg/L | 19:43:51 |
| 2 | Pb 220.353† | 7406.9 | 7318.8 | [1.0000] | mg/L | 19:44:11 |
| 2 | Sb 206.836† | 3197.6 | 3128.3 | [1.0000] | mg/L | 19:44:11 |
| 2 | Se 196.026† | 1062.7 | 1073.0 | [2.0000] | mg/L | 19:44:11 |
| 2 | Sn 189.927† | 2328.0 | 2125.4 | [1.0000] | mg/L | 19:44:11 |
| 2 | Ti 337.279† | 552495.9 | 549127.4 | [1.0000] | mg/L | 19:43:45 |
| 2 | Tl 190.801† | 962.6 | 975.3 | [1.0000] | mg/L | 19:44:11 |
| 2 | V 292.402† | 187016.8 | 183716.8 | [1.0000] | mg/L | 19:43:51 |
| 2 | Zn 213.857† | 79416.0 | 77929.9 | [1.0000] | mg/L | 19:43:51 |

Mean Data: Calib Std 3

| Analyte | Mean Corrected | | | RSD | Calib Conc. Units |
|-------------|----------------|----------|----------|-----------|-------------------|
| | Intensity | Std.Dev. | Std.Dev. | | |
| Y 360.073 | 1995291.2 | 11813.47 | 0.59% | 1.00 | mg/L |
| Ag 328.068† | 138703.9 | 343.62 | 0.25% | [0.5000] | mg/L |
| Al 237.313† | 34544.2 | 47.16 | 0.14% | [5] | mg/L |
| As 188.979† | 623.6 | 5.22 | 0.84% | [1.0000] | mg/L |
| B 182.528† | 956.8 | 8.79 | 0.92% | [1.0000] | mg/L |
| Ba 233.527† | 151843.0 | 399.68 | 0.26% | [1.0000] | mg/L |
| Be 313.107† | 445728.6 | 482.61 | 0.11% | [0.1000] | mg/L |
| Ca 315.886† | 1097692.5 | 2627.84 | 0.24% | [10.0000] | mg/L |
| Cd 228.802† | 34582.4 | 37.46 | 0.11% | [0.5000] | mg/L |
| Co 228.616† | 56621.1 | 40.30 | 0.07% | [1.0000] | mg/L |
| Cr 267.716† | 112726.7 | 252.04 | 0.22% | [1.0000] | mg/L |
| Cu 324.752† | 210892.1 | 82.42 | 0.04% | [1.0000] | mg/L |
| Fe 238.204† | 521924.8 | 618.94 | 0.12% | [5] | mg/L |
| Fe 234.349† | 150802.2 | 271.85 | 0.18% | [5] | mg/L |
| Mg 279.077† | 163790.9 | 472.34 | 0.29% | [10.0000] | mg/L |
| Mn 257.610† | 864880.5 | 1260.19 | 0.15% | [1.0000] | mg/L |
| Mo 202.031† | 9629.1 | 64.73 | 0.67% | [1.0000] | mg/L |
| Na 330.237† | 35760.8 | 103.42 | 0.29% | [50.0000] | mg/L |
| Ni 231.604† | 42321.5 | 208.55 | 0.49% | [1.0000] | mg/L |
| Pb 220.353† | 7382.4 | 89.85 | 1.22% | [1.0000] | mg/L |
| Sb 206.836† | 3145.5 | 24.32 | 0.77% | [1.0000] | mg/L |
| Se 196.026† | 1079.2 | 8.76 | 0.81% | [2.0000] | mg/L |
| Sn 189.927† | 2136.3 | 15.43 | 0.72% | [1.0000] | mg/L |
| Ti 337.279† | 549019.8 | 152.19 | 0.03% | [1.0000] | mg/L |
| Tl 190.801† | 975.8 | 0.66 | 0.07% | [1.0000] | mg/L |
| V 292.402† | 184000.9 | 401.72 | 0.22% | [1.0000] | mg/L |
| Zn 213.857† | 77971.4 | 58.77 | 0.08% | [1.0000] | mg/L |

Calibration Summary

| Analyte | Stds. | Equation | Intercept | Slope | Curvature | Corr. Coef. | Reslope |
|------------|-------|---------------|-----------|---------|-----------|-------------|---------|
| Ag 328.068 | 3 | Lin, Calc Int | -224.9 | 277800 | 0.00000 | 0.999995 | |
| Al 237.313 | 3 | Lin, Calc Int | -49.1 | 6918 | 0.00000 | 0.999996 | |
| As 188.979 | 3 | Lin, Calc Int | -1.1 | 626.0 | 0.00000 | 0.999954 | |
| B 182.528 | 3 | Lin, Calc Int | -3.6 | 958.9 | 0.00000 | 0.999975 | |
| Ba 233.527 | 3 | Lin, Calc Int | 255.2 | 152000 | 0.00000 | 0.999971 | |
| Be 313.107 | 3 | Lin, Calc Int | 152.1 | 4463000 | 0.00000 | 0.999987 | |
| Ca 315.886 | 3 | Lin, Calc Int | 1317.3 | 109900 | 0.00000 | 0.999974 | |
| Cd 228.802 | 3 | Lin, Calc Int | -45.5 | 69370 | 0.00000 | 0.999972 | |
| Co 228.616 | 3 | Lin, Calc Int | 83.8 | 56670 | 0.00000 | 0.999974 | |
| Cr 267.716 | 3 | Lin, Calc Int | -31.1 | 112800 | 0.00000 | 0.999997 | |
| Cu 324.752 | 3 | Lin, Calc Int | -370.5 | 211000 | 0.00000 | 0.999990 | |
| Fe 238.204 | 3 | Lin, Calc Int | 46.5 | 104400 | 0.00000 | 1.000000 | |
| Fe 234.349 | 3 | Lin, Calc Int | 232.5 | 30180 | 0.00000 | 0.999979 | |
| Mg 279.077 | 3 | Lin, Calc Int | 25.1 | 16400 | 0.00000 | 0.999989 | |
| Mn 257.610 | 3 | Lin, Calc Int | 1542.1 | 866100 | 0.00000 | 0.999952 | |
| Mo 202.031 | 3 | Lin, Calc Int | 0.1 | 9645 | 0.00000 | 0.999983 | |
| Na 330.237 | 3 | Lin, Calc Int | -386.8 | 716.7 | 0.00000 | 0.999609 | |

| | | | | | | |
|------------|---|---------------|--------|--------|---------|----------|
| Ni 231.604 | 3 | Lin, Calc Int | -33.8 | 42350 | 0.00000 | 0.999999 |
| Pb 220.353 | 3 | Lin, Calc Int | -0.1 | 7395 | 0.00000 | 0.999982 |
| Sb 206.836 | 3 | Lin, Calc Int | 0.3 | 3153 | 0.00000 | 0.999966 |
| Se 196.026 | 3 | Lin, Calc Int | -0.6 | 540.6 | 0.00000 | 0.999985 |
| Sn 189.927 | 3 | Lin, Calc Int | -16.5 | 2159 | 0.00000 | 0.999759 |
| Ti 337.279 | 3 | Lin, Calc Int | 759.3 | 550400 | 0.00000 | 0.999919 |
| Tl 190.801 | 3 | Lin, Calc Int | -2.0 | 980.7 | 0.00000 | 0.999916 |
| V 292.402 | 3 | Lin, Calc Int | -116.2 | 184200 | 0.00000 | 0.999996 |
| Zn 213.857 | 3 | Lin, Calc Int | 180.2 | 77900 | 0.00000 | 0.999988 |

Sequence No.: 5

Sample ID: STD2

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 3

Date Collected: 8/14/2006 7:45:49 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: STD2

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. Units | Sample Conc. Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------------------|--------------------|---------------|
| 1 | Y 360.073 | 2012558.5 | 2012558.5 | 1.01 mg/L | | 19:47:22 |
| 1 | Ag 328.068† | 70349.0 | 69161.1 | 0.2499 mg/L | 0.2499 mg/L | 19:47:28 |
| 1 | Al 237.313† | 17090.5 | 17197.2 | 2.472 mg/L | 2.472 mg/L | 19:47:28 |
| 1 | As 188.979† | 303.5 | 309.7 | 0.4980 mg/L | 0.4980 mg/L | 19:47:48 |
| 1 | B 182.528† | 465.2 | 482.3 | 0.5068 mg/L | 0.5068 mg/L | 19:47:48 |
| 1 | Ba 233.527† | 78499.3 | 77505.2 | 0.5080 mg/L | 0.5080 mg/L | 19:47:28 |
| 1 | Be 313.107† | 230897.6 | 225489.0 | 0.0505 mg/L | 0.0505 mg/L | 19:47:22 |
| 1 | Ca 315.886† | 563317.4 | 558055.0 | 5.067 mg/L | 5.067 mg/L | 19:47:22 |
| 1 | Cd 228.802† | 18292.7 | 17568.3 | 0.2518 mg/L | 0.2518 mg/L | 19:47:28 |
| 1 | Co 228.616† | 29009.1 | 28886.6 | 0.5068 mg/L | 0.5068 mg/L | 19:47:28 |
| 1 | Cr 267.716† | 58878.4 | 56854.3 | 0.5043 mg/L | 0.5043 mg/L | 19:47:28 |
| 1 | Cu 324.752† | 107681.1 | 104511.4 | 0.4974 mg/L | 0.4974 mg/L | 19:47:28 |
| 1 | Fe 238.204† | 266611.8 | 262843.4 | 2.518 mg/L | 2.518 mg/L | 19:47:28 |
| 1 | Fe 234.349† | 78040.2 | 76619.8 | 2.527 mg/L | 2.527 mg/L | 19:47:28 |
| 1 | Mg 279.077† | 83039.4 | 83032.4 | 5.058 mg/L | 5.058 mg/L | 19:47:28 |
| 1 | Mn 257.610† | 446716.3 | 441014.1 | 0.5075 mg/L | 0.5075 mg/L | 19:47:22 |
| 1 | Mo 202.031† | 5000.6 | 4870.7 | 0.5055 mg/L | 0.5055 mg/L | 19:47:48 |
| 1 | Na 330.237† | 18536.2 | 16847.9 | 24.04 mg/L | 24.04 mg/L | 19:47:28 |
| 1 | Ni 231.604† | 25835.6 | 21448.7 | 0.5070 mg/L | 0.5070 mg/L | 19:47:28 |
| 1 | Pb 220.353† | 3833.4 | 3748.1 | 0.5091 mg/L | 0.5091 mg/L | 19:47:48 |
| 1 | Sb 206.836† | 1655.3 | 1587.1 | 0.4966 mg/L | 0.4966 mg/L | 19:47:48 |
| 1 | Se 196.026† | 537.6 | 548.4 | 1.015 mg/L | 1.015 mg/L | 19:47:48 |
| 1 | Sn 189.927† | 1286.6 | 1084.2 | 0.5110 mg/L | 0.5110 mg/L | 19:47:48 |
| 1 | Ti 337.279† | 279242.1 | 276147.5 | 0.5003 mg/L | 0.5003 mg/L | 19:47:22 |
| 1 | Tl 190.801† | 483.9 | 497.1 | 0.5088 mg/L | 0.5088 mg/L | 19:47:48 |
| 1 | V 292.402† | 95633.1 | 92414.8 | 0.5056 mg/L | 0.5056 mg/L | 19:47:28 |
| 1 | Zn 213.857† | 41047.7 | 39591.9 | 0.5027 mg/L | 0.5027 mg/L | 19:47:28 |
| 2 | Y 360.073 | 2007227.6 | 2007227.6 | 1.01 mg/L | | 19:47:55 |
| 2 | Ag 328.068† | 70223.8 | 69221.7 | 0.2501 mg/L | 0.2501 mg/L | 19:48:00 |
| 2 | Al 237.313† | 17112.1 | 17263.6 | 2.481 mg/L | 2.481 mg/L | 19:48:00 |
| 2 | As 188.979† | 307.2 | 314.2 | 0.5051 mg/L | 0.5051 mg/L | 19:48:20 |
| 2 | B 182.528† | 467.2 | 485.5 | 0.5101 mg/L | 0.5101 mg/L | 19:48:20 |
| 2 | Ba 233.527† | 78204.4 | 77418.8 | 0.5074 mg/L | 0.5074 mg/L | 19:48:00 |
| 2 | Be 313.107† | 230174.5 | 225378.3 | 0.0505 mg/L | 0.0505 mg/L | 19:47:55 |
| 2 | Ca 315.886† | 562321.8 | 558547.9 | 5.071 mg/L | 5.071 mg/L | 19:47:55 |
| 2 | Cd 228.802† | 18205.9 | 17530.2 | 0.2512 mg/L | 0.2512 mg/L | 19:48:00 |
| 2 | Co 228.616† | 28936.3 | 28890.7 | 0.5069 mg/L | 0.5069 mg/L | 19:48:00 |
| 2 | Cr 267.716† | 58650.7 | 56783.1 | 0.5036 mg/L | 0.5036 mg/L | 19:48:00 |
| 2 | Cu 324.752† | 107503.0 | 104617.8 | 0.4979 mg/L | 0.4979 mg/L | 19:48:00 |
| 2 | Fe 238.204† | 266189.9 | 263125.6 | 2.521 mg/L | 2.521 mg/L | 19:48:00 |
| 2 | Fe 234.349† | 78006.6 | 76791.6 | 2.532 mg/L | 2.532 mg/L | 19:48:00 |
| 2 | Mg 279.077† | 82807.4 | 83020.4 | 5.058 mg/L | 5.058 mg/L | 19:48:00 |
| 2 | Mn 257.610† | 445554.5 | 441035.3 | 0.5075 mg/L | 0.5075 mg/L | 19:47:55 |
| 2 | Mo 202.031† | 4995.4 | 4878.7 | 0.5063 mg/L | 0.5063 mg/L | 19:48:20 |
| 2 | Na 330.237† | 18496.7 | 16857.5 | 24.05 mg/L | 24.05 mg/L | 19:48:00 |
| 2 | Ni 231.604† | 25885.6 | 21566.2 | 0.5097 mg/L | 0.5097 mg/L | 19:48:00 |
| 2 | Pb 220.353† | 3822.3 | 3747.2 | 0.5090 mg/L | 0.5090 mg/L | 19:48:20 |
| 2 | Sb 206.836† | 1650.2 | 1586.4 | 0.4963 mg/L | 0.4963 mg/L | 19:48:20 |
| 2 | Se 196.026† | 534.9 | 547.2 | 1.013 mg/L | 1.013 mg/L | 19:48:20 |
| 2 | Sn 189.927† | 1284.6 | 1085.5 | 0.5116 mg/L | 0.5116 mg/L | 19:48:20 |

| | | | | | | |
|---|-------------|----------|----------|-------------|-------------|----------|
| 2 | Ti 337.279† | 278937.0 | 276578.8 | 0.5011 mg/L | 0.5011 mg/L | 19:47:55 |
| 2 | Tl 190.801† | 479.8 | 494.3 | 0.5059 mg/L | 0.5059 mg/L | 19:48:20 |
| 2 | V 292.402† | 95496.9 | 92531.1 | 0.5063 mg/L | 0.5063 mg/L | 19:48:00 |
| 2 | Zn 213.857† | 40985.5 | 39638.2 | 0.5033 mg/L | 0.5033 mg/L | 19:48:00 |

 Mean Data: STD2

| Analyte | Mean Corrected Intensity | Conc. Units | Calib | Std.Dev. | Sample Conc. Units | Std.Dev. | RSD |
|-------------|---------------------------------------|--------------------|-------|----------|--------------------|----------|-------|
| Y 360.073 | 2009893.1 | 1.01 mg/L | | 0.002 | | | 0.19% |
| Ag 328.068† | 69191.4 | 0.2500 mg/L | | 0.00015 | 0.2500 mg/L | 0.00015 | 0.06% |
| | QC value within limits for Ag 328.068 | Recovery = 99.99% | | | | | |
| Al 237.313† | 17230.4 | 2.476 mg/L | | 0.0068 | 2.476 mg/L | 0.0068 | 0.27% |
| | QC value within limits for Al 237.313 | Recovery = 99.06% | | | | | |
| As 188.979† | 312.0 | 0.5016 mg/L | | 0.00503 | 0.5016 mg/L | 0.00503 | 1.00% |
| | QC value within limits for As 188.979 | Recovery = 100.32% | | | | | |
| B 182.528† | 483.9 | 0.5084 mg/L | | 0.00237 | 0.5084 mg/L | 0.00237 | 0.47% |
| | QC value within limits for B 182.528 | Recovery = 101.69% | | | | | |
| Ba 233.527† | 77462.0 | 0.5077 mg/L | | 0.00040 | 0.5077 mg/L | 0.00040 | 0.08% |
| | QC value within limits for Ba 233.527 | Recovery = 101.54% | | | | | |
| Be 313.107† | 225433.6 | 0.0505 mg/L | | 0.00002 | 0.0505 mg/L | 0.00002 | 0.03% |
| | QC value within limits for Be 313.107 | Recovery = 101.02% | | | | | |
| Ca 315.886† | 558301.4 | 5.069 mg/L | | 0.0032 | 5.069 mg/L | 0.0032 | 0.06% |
| | QC value within limits for Ca 315.886 | Recovery = 101.38% | | | | | |
| Cd 228.802† | 17549.3 | 0.2515 mg/L | | 0.00040 | 0.2515 mg/L | 0.00040 | 0.16% |
| | QC value within limits for Cd 228.802 | Recovery = 100.59% | | | | | |
| Co 228.616† | 28888.6 | 0.5068 mg/L | | 0.00005 | 0.5068 mg/L | 0.00005 | 0.01% |
| | QC value within limits for Co 228.616 | Recovery = 101.37% | | | | | |
| Cr 267.716† | 56818.7 | 0.5040 mg/L | | 0.00045 | 0.5040 mg/L | 0.00045 | 0.09% |
| | QC value within limits for Cr 267.716 | Recovery = 100.79% | | | | | |
| Cu 324.752† | 104564.6 | 0.4976 mg/L | | 0.00036 | 0.4976 mg/L | 0.00036 | 0.07% |
| | QC value within limits for Cu 324.752 | Recovery = 99.52% | | | | | |
| Fe 238.204† | 262984.5 | 2.519 mg/L | | 0.0019 | 2.519 mg/L | 0.0019 | 0.08% |
| | QC value within limits for Fe 238.204 | Recovery = 100.77% | | | | | |
| Fe 234.349† | 76705.7 | 2.529 mg/L | | 0.0040 | 2.529 mg/L | 0.0040 | 0.16% |
| | QC value within limits for Fe 234.349 | Recovery = 101.18% | | | | | |
| Mg 279.077† | 83026.4 | 5.058 mg/L | | 0.0005 | 5.058 mg/L | 0.0005 | 0.01% |
| | QC value within limits for Mg 279.077 | Recovery = 101.16% | | | | | |
| Mn 257.610† | 441024.7 | 0.5075 mg/L | | 0.00002 | 0.5075 mg/L | 0.00002 | 0.00% |
| | QC value within limits for Mn 257.610 | Recovery = 101.51% | | | | | |
| Mo 202.031† | 4874.7 | 0.5059 mg/L | | 0.00058 | 0.5059 mg/L | 0.00058 | 0.11% |
| | QC value within limits for Mo 202.031 | Recovery = 101.18% | | | | | |
| Na 330.237† | 16852.7 | 24.05 mg/L | | 0.009 | 24.05 mg/L | 0.009 | 0.04% |
| | QC value within limits for Na 330.237 | Recovery = 96.19% | | | | | |
| Ni 231.604† | 21507.5 | 0.5083 mg/L | | 0.00196 | 0.5083 mg/L | 0.00196 | 0.39% |
| | QC value within limits for Ni 231.604 | Recovery = 101.67% | | | | | |
| Pb 220.353† | 3747.6 | 0.5090 mg/L | | 0.00009 | 0.5090 mg/L | 0.00009 | 0.02% |
| | QC value within limits for Pb 220.353 | Recovery = 101.80% | | | | | |
| Sb 206.836† | 1586.8 | 0.4965 mg/L | | 0.00016 | 0.4965 mg/L | 0.00016 | 0.03% |
| | QC value within limits for Sb 206.836 | Recovery = 99.29% | | | | | |
| Se 196.026† | 547.8 | 1.014 mg/L | | 0.0016 | 1.014 mg/L | 0.0016 | 0.15% |
| | QC value within limits for Se 196.026 | Recovery = 101.43% | | | | | |
| Sn 189.927† | 1084.8 | 0.5113 mg/L | | 0.00043 | 0.5113 mg/L | 0.00043 | 0.08% |
| | QC value within limits for Sn 189.927 | Recovery = 102.26% | | | | | |
| Ti 337.279† | 276363.1 | 0.5007 mg/L | | 0.00055 | 0.5007 mg/L | 0.00055 | 0.11% |
| | QC value within limits for Ti 337.279 | Recovery = 100.14% | | | | | |
| Tl 190.801† | 495.7 | 0.5073 mg/L | | 0.00204 | 0.5073 mg/L | 0.00204 | 0.40% |
| | QC value within limits for Tl 190.801 | Recovery = 101.46% | | | | | |
| V 292.402† | 92472.9 | 0.5059 mg/L | | 0.00044 | 0.5059 mg/L | 0.00044 | 0.09% |
| | QC value within limits for V 292.402 | Recovery = 101.19% | | | | | |
| Zn 213.857† | 39615.0 | 0.5030 mg/L | | 0.00041 | 0.5030 mg/L | 0.00041 | 0.08% |
| | QC value within limits for Zn 213.857 | Recovery = 100.61% | | | | | |

All analyte(s) passed QC.

Sequence No.: 6
 Sample ID: ICV
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 5
 Date Collected: 8/14/2006 7:49:58 PM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Replicate Data: ICV

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. Units | Sample Conc. Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------------------|--------------------|---------------|
| 1 | Y 360.073 | 2021767.4 | 2021767.4 | 1.01 mg/L | | 19:51:33 |
| 1 | Ag 328.068† | 71184.7 | 69667.4 | 0.2517 mg/L | 0.2517 mg/L | 19:51:38 |
| 1 | Al 237.313† | 17108.6 | 17137.9 | 2.463 mg/L | 2.463 mg/L | 19:51:38 |
| 1 | As 188.979† | 294.6 | 299.6 | 0.4818 mg/L | 0.4818 mg/L | 19:51:58 |
| 1 | B 182.528† | 459.7 | 474.8 | 0.4989 mg/L | 0.4989 mg/L | 19:51:58 |
| 1 | Ba 233.527† | 77631.4 | 76295.8 | 0.5000 mg/L | 0.5000 mg/L | 19:51:38 |
| 1 | Be 313.107† | 233414.8 | 226928.6 | 0.0508 mg/L | 0.0508 mg/L | 19:51:33 |
| 1 | Ca 315.886† | 571061.7 | 563147.3 | 5.113 mg/L | 5.113 mg/L | 19:51:33 |
| 1 | Cd 228.802† | 18439.7 | 17630.7 | 0.2527 mg/L | 0.2527 mg/L | 19:51:38 |
| 1 | Co 228.616† | 28857.3 | 28606.2 | 0.5019 mg/L | 0.5019 mg/L | 19:51:38 |
| 1 | Cr 267.716† | 59233.1 | 56938.3 | 0.5050 mg/L | 0.5050 mg/L | 19:51:38 |
| 1 | Cu 324.752† | 108595.7 | 104927.2 | 0.4993 mg/L | 0.4993 mg/L | 19:51:38 |
| 1 | Fe 238.204† | 270537.8 | 265510.5 | 2.544 mg/L | 2.544 mg/L | 19:51:38 |
| 1 | Fe 234.349† | 79388.7 | 77596.9 | 2.559 mg/L | 2.559 mg/L | 19:51:38 |
| 1 | Mg 279.077† | 82212.5 | 81843.0 | 4.986 mg/L | 4.986 mg/L | 19:51:38 |
| 1 | Mn 257.610† | 447419.3 | 439692.3 | 0.5060 mg/L | 0.5060 mg/L | 19:51:33 |
| 1 | Mo 202.031† | 4972.5 | 4820.4 | 0.5003 mg/L | 0.5003 mg/L | 19:51:58 |
| 1 | Na 330.237† | 18612.1 | 16839.2 | 24.03 mg/L | 24.03 mg/L | 19:51:38 |
| 1 | Ni 231.604† | 26186.3 | 21677.8 | 0.5124 mg/L | 0.5124 mg/L | 19:51:38 |
| 1 | Pb 220.353† | 3793.3 | 3691.2 | 0.5014 mg/L | 0.5014 mg/L | 19:51:58 |
| 1 | Sb 206.836† | 1645.8 | 1570.3 | 0.4912 mg/L | 0.4912 mg/L | 19:51:58 |
| 1 | Se 196.026† | 535.2 | 543.6 | 1.007 mg/L | 1.007 mg/L | 19:51:58 |
| 1 | Sn 189.927† | 1282.9 | 1074.7 | 0.5066 mg/L | 0.5066 mg/L | 19:51:58 |
| 1 | Ti 337.279† | 276824.1 | 272505.0 | 0.4937 mg/L | 0.4937 mg/L | 19:51:33 |
| 1 | Tl 190.801† | 481.4 | 492.5 | 0.5041 mg/L | 0.5041 mg/L | 19:51:58 |
| 1 | V 292.402† | 95313.4 | 91668.5 | 0.5016 mg/L | 0.5016 mg/L | 19:51:38 |
| 1 | Zn 213.857† | 42147.4 | 40490.7 | 0.5142 mg/L | 0.5142 mg/L | 19:51:38 |
| 2 | Y 360.073 | 2008776.0 | 2008776.0 | 1.01 mg/L | | 19:52:05 |
| 2 | Ag 328.068† | 70166.9 | 69111.5 | 0.2497 mg/L | 0.2497 mg/L | 19:52:11 |
| 2 | Al 237.313† | 16830.1 | 16970.8 | 2.439 mg/L | 2.439 mg/L | 19:52:11 |
| 2 | As 188.979† | 305.7 | 312.5 | 0.5025 mg/L | 0.5025 mg/L | 19:52:31 |
| 2 | B 182.528† | 458.8 | 476.8 | 0.5010 mg/L | 0.5010 mg/L | 19:52:31 |
| 2 | Ba 233.527† | 76652.9 | 75819.9 | 0.4969 mg/L | 0.4969 mg/L | 19:52:11 |
| 2 | Be 313.107† | 232619.6 | 227627.6 | 0.0510 mg/L | 0.0510 mg/L | 19:52:05 |
| 2 | Ca 315.886† | 569041.3 | 564783.0 | 5.128 mg/L | 5.128 mg/L | 19:52:05 |
| 2 | Cd 228.802† | 18248.4 | 17558.5 | 0.2516 mg/L | 0.2516 mg/L | 19:52:11 |
| 2 | Co 228.616† | 28501.6 | 28437.3 | 0.4989 mg/L | 0.4989 mg/L | 19:52:11 |
| 2 | Cr 267.716† | 58547.1 | 56635.4 | 0.5023 mg/L | 0.5023 mg/L | 19:52:11 |
| 2 | Cu 324.752† | 106904.1 | 103941.4 | 0.4947 mg/L | 0.4947 mg/L | 19:52:11 |
| 2 | Fe 238.204† | 267433.8 | 264155.8 | 2.531 mg/L | 2.531 mg/L | 19:52:11 |
| 2 | Fe 234.349† | 78327.0 | 77049.8 | 2.541 mg/L | 2.541 mg/L | 19:52:11 |
| 2 | Mg 279.077† | 81155.8 | 81318.7 | 4.954 mg/L | 4.954 mg/L | 19:52:11 |
| 2 | Mn 257.610† | 445832.9 | 440970.5 | 0.5075 mg/L | 0.5075 mg/L | 19:52:05 |
| 2 | Mo 202.031† | 5002.1 | 4881.5 | 0.5066 mg/L | 0.5066 mg/L | 19:52:31 |
| 2 | Na 330.237† | 18328.3 | 16676.3 | 23.80 mg/L | 23.80 mg/L | 19:52:11 |
| 2 | Ni 231.604† | 25917.6 | 21578.2 | 0.5100 mg/L | 0.5100 mg/L | 19:52:11 |
| 2 | Pb 220.353† | 3806.6 | 3728.7 | 0.5064 mg/L | 0.5064 mg/L | 19:52:31 |
| 2 | Sb 206.836† | 1640.1 | 1575.2 | 0.4928 mg/L | 0.4928 mg/L | 19:52:31 |
| 2 | Se 196.026† | 544.3 | 556.0 | 1.030 mg/L | 1.030 mg/L | 19:52:31 |
| 2 | Sn 189.927† | 1288.6 | 1088.5 | 0.5130 mg/L | 0.5130 mg/L | 19:52:31 |
| 2 | Ti 337.279† | 274578.8 | 272042.3 | 0.4929 mg/L | 0.4929 mg/L | 19:52:05 |
| 2 | Tl 190.801† | 485.3 | 499.4 | 0.5112 mg/L | 0.5112 mg/L | 19:52:31 |
| 2 | V 292.402† | 94038.7 | 91011.6 | 0.4980 mg/L | 0.4980 mg/L | 19:52:11 |
| 2 | Zn 213.857† | 41699.0 | 40314.5 | 0.5120 mg/L | 0.5120 mg/L | 19:52:11 |

Mean Data: ICV

| Analyte | Mean Corrected Intensity | Calib Conc. Units | Std.Dev. | Sample Conc. Units | Std.Dev. | RSD |
|--|--------------------------|-------------------|----------|--------------------|----------|-------|
| Y 360.073 | 2015271.7 | 1.01 mg/L | 0.005 | | | 0.46% |
| Ag 328.068† | 69389.5 | 0.2507 mg/L | 0.00142 | 0.2507 mg/L | 0.00142 | 0.56% |
| QC value within limits for Ag 328.068 Recovery = 100.27% | | | | | | |
| Al 237.313† | 17054.4 | 2.451 mg/L | 0.0170 | 2.451 mg/L | 0.0170 | 0.69% |
| QC value within limits for Al 237.313 Recovery = 98.04% | | | | | | |
| As 188.979† | 306.1 | 0.4921 mg/L | 0.01462 | 0.4921 mg/L | 0.01462 | 2.97% |
| QC value within limits for As 188.979 Recovery = 98.43% | | | | | | |
| B 182.528† | 475.8 | 0.5000 mg/L | 0.00150 | 0.5000 mg/L | 0.00150 | 0.30% |

| | | | | | | |
|----|---------------------------------------|--------------------|-------------|---------|-------------|---------------|
| | QC value within limits for B 182.528 | Recovery = 99.99% | | | | |
| Ba | 233.527† | 76057.8 | 0.4985 mg/L | 0.00221 | 0.4985 mg/L | 0.00221 0.44% |
| | QC value within limits for Ba 233.527 | Recovery = 99.69% | | | | |
| Be | 313.107† | 227278.1 | 0.0509 mg/L | 0.00011 | 0.0509 mg/L | 0.00011 0.22% |
| | QC value within limits for Be 313.107 | Recovery = 101.85% | | | | |
| Ca | 315.886† | 563965.1 | 5.121 mg/L | 0.0105 | 5.121 mg/L | 0.0105 0.21% |
| | QC value within limits for Ca 315.886 | Recovery = 102.41% | | | | |
| Cd | 228.802† | 17594.6 | 0.2522 mg/L | 0.00078 | 0.2522 mg/L | 0.00078 0.31% |
| | QC value within limits for Cd 228.802 | Recovery = 100.86% | | | | |
| Co | 228.616† | 28521.7 | 0.5004 mg/L | 0.00210 | 0.5004 mg/L | 0.00210 0.42% |
| | QC value within limits for Co 228.616 | Recovery = 100.08% | | | | |
| Cr | 267.716† | 56786.9 | 0.5037 mg/L | 0.00190 | 0.5037 mg/L | 0.00190 0.38% |
| | QC value within limits for Cr 267.716 | Recovery = 100.73% | | | | |
| Cu | 324.752† | 104434.3 | 0.4970 mg/L | 0.00330 | 0.4970 mg/L | 0.00330 0.66% |
| | QC value within limits for Cu 324.752 | Recovery = 99.40% | | | | |
| Fe | 238.204† | 264833.2 | 2.537 mg/L | 0.0092 | 2.537 mg/L | 0.0092 0.36% |
| | QC value within limits for Fe 238.204 | Recovery = 101.48% | | | | |
| Fe | 234.349† | 77323.3 | 2.550 mg/L | 0.0128 | 2.550 mg/L | 0.0128 0.50% |
| | QC value within limits for Fe 234.349 | Recovery = 102.00% | | | | |
| Mg | 279.077† | 81580.8 | 4.970 mg/L | 0.0226 | 4.970 mg/L | 0.0226 0.45% |
| | QC value within limits for Mg 279.077 | Recovery = 99.39% | | | | |
| Mn | 257.610† | 440331.4 | 0.5067 mg/L | 0.00104 | 0.5067 mg/L | 0.00104 0.21% |
| | QC value within limits for Mn 257.610 | Recovery = 101.35% | | | | |
| Mo | 202.031† | 4851.0 | 0.5035 mg/L | 0.00447 | 0.5035 mg/L | 0.00447 0.89% |
| | QC value within limits for Mo 202.031 | Recovery = 100.69% | | | | |
| Na | 330.237† | 16757.7 | 23.91 mg/L | 0.161 | 23.91 mg/L | 0.161 0.67% |
| | QC value within limits for Na 330.237 | Recovery = 95.66% | | | | |
| Ni | 231.604† | 21628.0 | 0.5112 mg/L | 0.00166 | 0.5112 mg/L | 0.00166 0.33% |
| | QC value within limits for Ni 231.604 | Recovery = 102.24% | | | | |
| Pb | 220.353† | 3710.0 | 0.5039 mg/L | 0.00359 | 0.5039 mg/L | 0.00359 0.71% |
| | QC value within limits for Pb 220.353 | Recovery = 100.78% | | | | |
| Sb | 206.836† | 1572.8 | 0.4920 mg/L | 0.00111 | 0.4920 mg/L | 0.00111 0.23% |
| | QC value within limits for Sb 206.836 | Recovery = 98.40% | | | | |
| Se | 196.026† | 549.8 | 1.018 mg/L | 0.0162 | 1.018 mg/L | 0.0162 1.59% |
| | QC value within limits for Se 196.026 | Recovery = 101.81% | | | | |
| Sn | 189.927† | 1081.6 | 0.5098 mg/L | 0.00454 | 0.5098 mg/L | 0.00454 0.89% |
| | QC value within limits for Sn 189.927 | Recovery = 101.96% | | | | |
| Ti | 337.279† | 272273.7 | 0.4933 mg/L | 0.00059 | 0.4933 mg/L | 0.00059 0.12% |
| | QC value within limits for Ti 337.279 | Recovery = 98.66% | | | | |
| Tl | 190.801† | 495.9 | 0.5076 mg/L | 0.00504 | 0.5076 mg/L | 0.00504 0.99% |
| | QC value within limits for Tl 190.801 | Recovery = 101.52% | | | | |
| V | 292.402† | 91340.0 | 0.4998 mg/L | 0.00254 | 0.4998 mg/L | 0.00254 0.51% |
| | QC value within limits for V 292.402 | Recovery = 99.96% | | | | |
| Zn | 213.857† | 40402.6 | 0.5131 mg/L | 0.00159 | 0.5131 mg/L | 0.00159 0.31% |
| | QC value within limits for Zn 213.857 | Recovery = 102.62% | | | | |

All analyte(s) passed QC.

Sequence No.: 7
 Sample ID: ICCB
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 1
 Date Collected: 8/14/2006 7:54:09 PM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

 Replicate Data: ICCB

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. Units | Sample Conc. Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------------------|--------------------|---------------|
| 1 | Y 360.073 | 1966836.3 | 1966836.3 | 0.987 mg/L | | 19:55:40 |
| 1 | Ag 328.068† | 468.5 | -16.3 | 0.0008 mg/L | 0.0008 mg/L | 19:55:46 |
| 1 | Al 237.313† | -274.0 | -1.6 | 0.0069 mg/L | 0.0069 mg/L | 19:56:06 |
| 1 | As 188.979† | -5.5 | 3.7 | 0.0077 mg/L | 0.0077 mg/L | 19:56:06 |
| 1 | B 182.528† | -17.7 | 3.8 | 0.0078 mg/L | 0.0078 mg/L | 19:56:06 |
| 1 | Ba 233.527† | 234.8 | 21.5 | -0.0015 mg/L | -0.0015 mg/L | 19:56:06 |
| 1 | Be 313.107† | 3145.1 | 65.5 | 0.0000 mg/L | 0.0000 mg/L | 19:55:40 |
| 1 | Ca 315.886† | -267.5 | 48.1 | -0.0115 mg/L | -0.0115 mg/L | 19:55:46 |
| 1 | Cd 228.802† | 572.5 | 36.9 | 0.0012 mg/L | 0.0012 mg/L | 19:56:06 |
| 1 | Co 228.616† | -151.0 | 12.0 | -0.0013 mg/L | -0.0013 mg/L | 19:56:06 |
| 1 | Cr 267.716† | 1491.3 | 70.1 | 0.0009 mg/L | 0.0009 mg/L | 19:55:46 |
| 1 | Cu 324.752† | 2365.3 | 293.5 | 0.0031 mg/L | 0.0031 mg/L | 19:55:46 |
| 1 | Fe 238.204† | 1294.4 | 184.7 | 0.0013 mg/L | 0.0013 mg/L | 19:56:06 |

| | | | | | | |
|---|-------------|-----------|-----------|--------------|--------------|----------|
| 1 | Fe 234.349† | 724.7 | 87.0 | -0.0049 mg/L | -0.0049 mg/L | 19:56:06 |
| 1 | Mg 279.077† | -803.8 | 1.4 | -0.0014 mg/L | -0.0014 mg/L | 19:55:46 |
| 1 | Mn 257.610† | 1290.0 | 30.9 | -0.0017 mg/L | -0.0017 mg/L | 19:55:46 |
| 1 | Mo 202.031† | 96.0 | 17.0 | 0.0018 mg/L | 0.0018 mg/L | 19:56:06 |
| 1 | Na 330.237† | 1595.1 | 111.5 | 0.6953 mg/L | 0.6953 mg/L | 19:55:46 |
| 1 | Ni 231.604† | 4404.9 | 331.7 | 0.0086 mg/L | 0.0086 mg/L | 19:55:46 |
| 1 | Pb 220.353† | 42.8 | -4.0 | -0.0005 mg/L | -0.0005 mg/L | 19:56:06 |
| 1 | Sb 206.836† | 51.2 | 0.1 | -0.0001 mg/L | -0.0001 mg/L | 19:56:06 |
| 1 | Se 196.026† | -16.1 | -0.1 | 0.0008 mg/L | 0.0008 mg/L | 19:56:06 |
| 1 | Sn 189.927† | 182.3 | -5.0 | 0.0053 mg/L | 0.0053 mg/L | 19:56:06 |
| 1 | Ti 337.279† | 420.6 | 98.3 | -0.0012 mg/L | -0.0012 mg/L | 19:55:46 |
| 1 | Tl 190.801† | -7.5 | 10.5 | 0.0127 mg/L | 0.0127 mg/L | 19:56:06 |
| 1 | V 292.402† | 2446.0 | 207.4 | 0.0018 mg/L | 0.0018 mg/L | 19:55:46 |
| 1 | Zn 213.857† | 1127.5 | 93.2 | -0.0012 mg/L | -0.0012 mg/L | 19:56:06 |
| 2 | Y 360.073 | 1993949.4 | 1993949.4 | 1.00 mg/L | | 19:56:12 |
| 2 | Ag 328.068† | 426.8 | -64.4 | 0.0006 mg/L | 0.0006 mg/L | 19:56:17 |
| 2 | Al 237.313† | -281.3 | -5.1 | 0.0064 mg/L | 0.0064 mg/L | 19:56:37 |
| 2 | As 188.979† | -6.7 | 2.6 | 0.0059 mg/L | 0.0059 mg/L | 19:56:37 |
| 2 | B 182.528† | -9.8 | 11.9 | 0.0162 mg/L | 0.0162 mg/L | 19:56:37 |
| 2 | Ba 233.527† | 216.0 | -0.5 | -0.0017 mg/L | -0.0017 mg/L | 19:56:37 |
| 2 | Be 313.107† | 3235.4 | 112.5 | 0.0000 mg/L | 0.0000 mg/L | 19:56:12 |
| 2 | Ca 315.886† | -306.2 | 13.2 | -0.0119 mg/L | -0.0119 mg/L | 19:56:17 |
| 2 | Cd 228.802† | 584.2 | 40.7 | 0.0012 mg/L | 0.0012 mg/L | 19:56:37 |
| 2 | Co 228.616† | -193.5 | -28.4 | -0.0020 mg/L | -0.0020 mg/L | 19:56:37 |
| 2 | Cr 267.716† | 1448.7 | 7.0 | 0.0003 mg/L | 0.0003 mg/L | 19:56:17 |
| 2 | Cu 324.752† | 2336.3 | 232.0 | 0.0029 mg/L | 0.0029 mg/L | 19:56:17 |
| 2 | Fe 238.204† | 1250.8 | 123.2 | 0.0007 mg/L | 0.0007 mg/L | 19:56:37 |
| 2 | Fe 234.349† | 688.1 | 40.5 | -0.0064 mg/L | -0.0064 mg/L | 19:56:37 |
| 2 | Mg 279.077† | -769.1 | 47.2 | 0.0014 mg/L | 0.0014 mg/L | 19:56:17 |
| 2 | Mn 257.610† | 1290.7 | 13.7 | -0.0018 mg/L | -0.0018 mg/L | 19:56:17 |
| 2 | Mo 202.031† | 94.8 | 14.4 | 0.0015 mg/L | 0.0015 mg/L | 19:56:37 |
| 2 | Na 330.237† | 1513.1 | 7.5 | 0.5502 mg/L | 0.5502 mg/L | 19:56:17 |
| 2 | Ni 231.604† | 4131.1 | -2.5 | 0.0007 mg/L | 0.0007 mg/L | 19:56:17 |
| 2 | Pb 220.353† | 42.7 | -4.6 | -0.0006 mg/L | -0.0006 mg/L | 19:56:37 |
| 2 | Sb 206.836† | 51.6 | -0.2 | -0.0002 mg/L | -0.0002 mg/L | 19:56:37 |
| 2 | Se 196.026† | -16.5 | -0.4 | 0.0004 mg/L | 0.0004 mg/L | 19:56:37 |
| 2 | Sn 189.927† | 177.0 | -12.8 | 0.0017 mg/L | 0.0017 mg/L | 19:56:37 |
| 2 | Ti 337.279† | 373.9 | 45.9 | -0.0013 mg/L | -0.0013 mg/L | 19:56:17 |
| 2 | Tl 190.801† | -12.3 | 5.7 | 0.0079 mg/L | 0.0079 mg/L | 19:56:37 |
| 2 | V 292.402† | 2425.0 | 152.7 | 0.0015 mg/L | 0.0015 mg/L | 19:56:17 |
| 2 | Zn 213.857† | 1135.8 | 86.0 | -0.0012 mg/L | -0.0012 mg/L | 19:56:37 |

 Mean Data: ICCB

| Analyte | Mean Corrected Intensity | Conc. Units | Calib | Std.Dev. | Sample Conc. Units | Std.Dev. | RSD |
|---|--------------------------|--------------|-------|----------|--------------------|----------|--------|
| Y 360.073 | 1980392.8 | 0.994 mg/L | | 0.0096 | | | 0.97% |
| Ag 328.068† | -40.3 | 0.0007 mg/L | | 0.00012 | 0.0007 mg/L | 0.00012 | 18.43% |
| QC value within limits for Ag 328.068 Recovery = Not calculated | | | | | | | |
| Al 237.313† | -3.3 | 0.0066 mg/L | | 0.00036 | 0.0066 mg/L | 0.00036 | 5.40% |
| QC value within limits for Al 237.313 Recovery = Not calculated | | | | | | | |
| As 188.979† | 3.1 | 0.0068 mg/L | | 0.00121 | 0.0068 mg/L | 0.00121 | 17.76% |
| QC value within limits for As 188.979 Recovery = Not calculated | | | | | | | |
| B 182.528† | 7.8 | 0.0120 mg/L | | 0.00595 | 0.0120 mg/L | 0.00595 | 49.66% |
| QC value within limits for B 182.528 Recovery = Not calculated | | | | | | | |
| Ba 233.527† | 10.5 | -0.0016 mg/L | | 0.00010 | -0.0016 mg/L | 0.00010 | 6.35% |
| QC value within limits for Ba 233.527 Recovery = Not calculated | | | | | | | |
| Be 313.107† | 89.0 | 0.0000 mg/L | | 0.00001 | 0.0000 mg/L | 0.00001 | 52.61% |
| QC value within limits for Be 313.107 Recovery = Not calculated | | | | | | | |
| Ca 315.886† | 30.6 | -0.0117 mg/L | | 0.00022 | -0.0117 mg/L | 0.00022 | 1.92% |
| QC value within limits for Ca 315.886 Recovery = Not calculated | | | | | | | |
| Cd 228.802† | 38.8 | 0.0012 mg/L | | 0.00004 | 0.0012 mg/L | 0.00004 | 3.73% |
| QC value within limits for Cd 228.802 Recovery = Not calculated | | | | | | | |
| Co 228.616† | -8.2 | -0.0016 mg/L | | 0.00050 | -0.0016 mg/L | 0.00050 | 30.84% |
| QC value within limits for Co 228.616 Recovery = Not calculated | | | | | | | |
| Cr 267.716† | 38.6 | 0.0006 mg/L | | 0.00040 | 0.0006 mg/L | 0.00040 | 63.91% |
| QC value within limits for Cr 267.716 Recovery = Not calculated | | | | | | | |
| Cu 324.752† | 262.8 | 0.0030 mg/L | | 0.00021 | 0.0030 mg/L | 0.00021 | 6.87% |
| QC value within limits for Cu 324.752 Recovery = Not calculated | | | | | | | |
| Fe 238.204† | 153.9 | 0.0010 mg/L | | 0.00042 | 0.0010 mg/L | 0.00042 | 40.37% |
| QC value within limits for Fe 238.204 Recovery = Not calculated | | | | | | | |

| | | | | | | |
|---------------------------------------|---------------------------|--------------|---------|--------------|---------|---------|
| Fe 234.349† | 63.8 | -0.0056 mg/L | 0.00104 | -0.0056 mg/L | 0.00104 | 18.42% |
| QC value within limits for Fe 234.349 | Recovery = Not calculated | | | | | |
| Mg 279.077† | 24.3 | 0.0000 mg/L | 0.00198 | 0.0000 mg/L | 0.00198 | >999.9% |
| QC value within limits for Mg 279.077 | Recovery = Not calculated | | | | | |
| Mn 257.610† | 22.3 | -0.0018 mg/L | 0.00001 | -0.0018 mg/L | 0.00001 | 0.80% |
| QC value within limits for Mn 257.610 | Recovery = Not calculated | | | | | |
| Mo 202.031† | 15.7 | 0.0016 mg/L | 0.00019 | 0.0016 mg/L | 0.00019 | 11.57% |
| QC value within limits for Mo 202.031 | Recovery = Not calculated | | | | | |
| Na 330.237† | 59.5 | 0.6228 mg/L | 0.10260 | 0.6228 mg/L | 0.10260 | 16.47% |
| QC value within limits for Na 330.237 | Recovery = Not calculated | | | | | |
| Ni 231.604† | 164.6 | 0.0047 mg/L | 0.00558 | 0.0047 mg/L | 0.00558 | 119.08% |
| QC value within limits for Ni 231.604 | Recovery = Not calculated | | | | | |
| Pb 220.353† | -4.3 | -0.0006 mg/L | 0.00006 | -0.0006 mg/L | 0.00006 | 10.72% |
| QC value within limits for Pb 220.353 | Recovery = Not calculated | | | | | |
| Sb 206.836† | -0.0 | -0.0001 mg/L | 0.00005 | -0.0001 mg/L | 0.00005 | 39.44% |
| QC value within limits for Sb 206.836 | Recovery = Not calculated | | | | | |
| Se 196.026† | -0.3 | 0.0006 mg/L | 0.00031 | 0.0006 mg/L | 0.00031 | 54.09% |
| QC value within limits for Se 196.026 | Recovery = Not calculated | | | | | |
| Sn 189.927† | -8.9 | 0.0035 mg/L | 0.00254 | 0.0035 mg/L | 0.00254 | 72.57% |
| QC value within limits for Sn 189.927 | Recovery = Not calculated | | | | | |
| Ti 337.279† | 72.1 | -0.0012 mg/L | 0.00007 | -0.0012 mg/L | 0.00007 | 5.40% |
| QC value within limits for Ti 337.279 | Recovery = Not calculated | | | | | |
| Tl 190.801† | 8.1 | 0.0103 mg/L | 0.00340 | 0.0103 mg/L | 0.00340 | 33.14% |
| QC value within limits for Tl 190.801 | Recovery = Not calculated | | | | | |
| V 292.402† | 180.0 | 0.0016 mg/L | 0.00021 | 0.0016 mg/L | 0.00021 | 13.19% |
| QC value within limits for V 292.402 | Recovery = Not calculated | | | | | |
| Zn 213.857† | 89.6 | -0.0012 mg/L | 0.00003 | -0.0012 mg/L | 0.00003 | 2.36% |
| QC value within limits for Zn 213.857 | Recovery = Not calculated | | | | | |

All analyte(s) passed QC.

Sequence No.: 8
 Sample ID: CRI1
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 6
 Date Collected: 8/14/2006 7:58:13 PM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Replicate Data: CRI1

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. Units | Sample Conc. Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------------------|--------------------|---------------|
| 1 | Y 360.073 | 2016708.3 | 2016708.3 | 1.01 mg/L | | 19:59:47 |
| 1 | Ag 328.068† | 7300.4 | 6722.3 | 0.0250 mg/L | 0.0250 mg/L | 19:59:52 |
| 1 | Al 237.313† | 1433.5 | 1692.4 | 0.2496 mg/L | 0.2496 mg/L | 20:00:12 |
| 1 | As 188.979† | 23.2 | 32.2 | 0.0534 mg/L | 0.0534 mg/L | 20:00:12 |
| 1 | B 182.528† | 31.7 | 53.0 | 0.0591 mg/L | 0.0591 mg/L | 20:00:12 |
| 1 | Ba 233.527† | 8055.8 | 7743.2 | 0.0492 mg/L | 0.0492 mg/L | 19:59:52 |
| 1 | Be 313.107† | 25970.7 | 22539.7 | 0.0050 mg/L | 0.0050 mg/L | 19:59:47 |
| 1 | Ca 315.886† | 55510.1 | 55166.2 | 0.4901 mg/L | 0.4901 mg/L | 19:59:52 |
| 1 | Cd 228.802† | 2251.5 | 1681.5 | 0.0247 mg/L | 0.0247 mg/L | 20:00:12 |
| 1 | Co 228.616† | 2669.8 | 2802.9 | 0.0478 mg/L | 0.0478 mg/L | 20:00:12 |
| 1 | Cr 267.716† | 7172.0 | 5645.6 | 0.0503 mg/L | 0.0503 mg/L | 19:59:52 |
| 1 | Cu 324.752† | 12713.1 | 10458.4 | 0.0514 mg/L | 0.0514 mg/L | 19:59:52 |
| 1 | Fe 238.204† | 28103.8 | 26641.3 | 0.2548 mg/L | 0.2548 mg/L | 19:59:52 |
| 1 | Fe 234.349† | 8485.0 | 7736.5 | 0.2482 mg/L | 0.2482 mg/L | 19:59:52 |
| 1 | Mg 279.077† | 7487.2 | 8213.5 | 0.4990 mg/L | 0.4990 mg/L | 19:59:52 |
| 1 | Mn 257.610† | 45745.0 | 43922.5 | 0.0489 mg/L | 0.0489 mg/L | 19:59:52 |
| 1 | Mo 202.031† | 586.0 | 498.7 | 0.0517 mg/L | 0.0517 mg/L | 20:00:12 |
| 1 | Na 330.237† | 3109.8 | 1568.1 | 2.727 mg/L | 2.727 mg/L | 19:59:52 |
| 1 | Ni 231.604† | 6421.7 | 2214.1 | 0.0531 mg/L | 0.0531 mg/L | 19:59:52 |
| 1 | Pb 220.353† | 433.0 | 380.5 | 0.0517 mg/L | 0.0517 mg/L | 20:00:12 |
| 1 | Sb 206.836† | 210.0 | 155.8 | 0.0486 mg/L | 0.0486 mg/L | 20:00:12 |
| 1 | Se 196.026† | 33.4 | 49.1 | 0.0919 mg/L | 0.0919 mg/L | 20:00:12 |
| 1 | Sn 189.927† | 238.8 | 46.2 | 0.0291 mg/L | 0.0291 mg/L | 20:00:12 |
| 1 | Ti 337.279† | 27700.0 | 27041.3 | 0.0477 mg/L | 0.0477 mg/L | 19:59:52 |
| 1 | Tl 190.801† | 25.3 | 43.0 | 0.0459 mg/L | 0.0459 mg/L | 20:00:12 |
| 1 | V 292.402† | 11525.3 | 9116.9 | 0.0505 mg/L | 0.0505 mg/L | 19:59:52 |
| 1 | Zn 213.857† | 5147.5 | 4037.0 | 0.0492 mg/L | 0.0492 mg/L | 20:00:12 |
| 2 | Y 360.073 | 2032585.8 | 2032585.8 | 1.02 mg/L | | 20:00:18 |
| 2 | Ag 328.068† | 7318.7 | 6683.9 | 0.0249 mg/L | 0.0249 mg/L | 20:00:24 |
| 2 | Al 237.313† | 1445.2 | 1692.8 | 0.2497 mg/L | 0.2497 mg/L | 20:00:44 |

| | | | | | | |
|---|-------------|---------|---------|-------------|-------------|----------|
| 2 | As 188.979† | 22.2 | 31.0 | 0.0514 mg/L | 0.0514 mg/L | 20:00:44 |
| 2 | B 182.528† | 33.2 | 54.2 | 0.0603 mg/L | 0.0603 mg/L | 20:00:44 |
| 2 | Ba 233.527† | 8050.9 | 7676.3 | 0.0488 mg/L | 0.0488 mg/L | 20:00:24 |
| 2 | Be 313.107† | 25837.9 | 22209.0 | 0.0049 mg/L | 0.0049 mg/L | 20:00:18 |
| 2 | Ca 315.886† | 55459.4 | 54688.0 | 0.4857 mg/L | 0.4857 mg/L | 20:00:24 |
| 2 | Cd 228.802† | 2252.3 | 1664.9 | 0.0244 mg/L | 0.0244 mg/L | 20:00:44 |
| 2 | Co 228.616† | 2662.4 | 2775.0 | 0.0473 mg/L | 0.0473 mg/L | 20:00:44 |
| 2 | Cr 267.716† | 7245.1 | 5661.9 | 0.0505 mg/L | 0.0505 mg/L | 20:00:24 |
| 2 | Cu 324.752† | 12665.3 | 10313.5 | 0.0507 mg/L | 0.0507 mg/L | 20:00:24 |
| 2 | Fe 238.204† | 28087.6 | 26408.6 | 0.2526 mg/L | 0.2526 mg/L | 20:00:24 |
| 2 | Fe 234.349† | 8483.2 | 7669.2 | 0.2460 mg/L | 0.2460 mg/L | 20:00:24 |
| 2 | Mg 279.077† | 7475.6 | 8144.4 | 0.4948 mg/L | 0.4948 mg/L | 20:00:24 |
| 2 | Mn 257.610† | 45681.6 | 43507.2 | 0.0485 mg/L | 0.0485 mg/L | 20:00:24 |
| 2 | Mo 202.031† | 590.2 | 498.2 | 0.0517 mg/L | 0.0517 mg/L | 20:00:44 |
| 2 | Na 330.237† | 3087.5 | 1522.3 | 2.663 mg/L | 2.663 mg/L | 20:00:24 |
| 2 | Ni 231.604† | 6355.3 | 2099.4 | 0.0503 mg/L | 0.0503 mg/L | 20:00:24 |
| 2 | Pb 220.353† | 429.5 | 373.8 | 0.0508 mg/L | 0.0508 mg/L | 20:00:44 |
| 2 | Sb 206.836† | 213.7 | 157.7 | 0.0492 mg/L | 0.0492 mg/L | 20:00:44 |
| 2 | Se 196.026† | 41.1 | 56.4 | 0.1054 mg/L | 0.1054 mg/L | 20:00:44 |
| 2 | Sn 189.927† | 241.5 | 47.0 | 0.0295 mg/L | 0.0295 mg/L | 20:00:44 |
| 2 | Ti 337.279† | 27619.4 | 26748.5 | 0.0472 mg/L | 0.0472 mg/L | 20:00:24 |
| 2 | Tl 190.801† | 26.8 | 44.3 | 0.0472 mg/L | 0.0472 mg/L | 20:00:44 |
| 2 | V 292.402† | 11624.6 | 9125.2 | 0.0505 mg/L | 0.0505 mg/L | 20:00:24 |
| 2 | Zn 213.857† | 5141.3 | 3991.2 | 0.0486 mg/L | 0.0486 mg/L | 20:00:44 |

Mean Data: CR11

| Analyte | Mean Corrected Intensity | Conc. Units | Calib | Std.Dev. | Sample Conc. Units | Std.Dev. | RSD |
|---------------------------------------|--------------------------|-------------|------------|----------|--------------------|----------|-------|
| Y 360.073 | 2024647.0 | 1.02 mg/L | | 0.006 | | | 0.55% |
| Ag 328.068† | 6703.1 | 0.0249 mg/L | | 0.00010 | 0.0249 mg/L | 0.00010 | 0.39% |
| QC value within limits for Ag 328.068 | | | Recovery = | 99.79% | | | |
| Al 237.313† | 1692.6 | 0.2497 mg/L | | 0.00006 | 0.2497 mg/L | 0.00006 | 0.02% |
| QC value within limits for Al 237.313 | | | Recovery = | 99.87% | | | |
| As 188.979† | 31.6 | 0.0524 mg/L | | 0.00139 | 0.0524 mg/L | 0.00139 | 2.66% |
| QC value within limits for As 188.979 | | | Recovery = | 104.79% | | | |
| B 182.528† | 53.6 | 0.0597 mg/L | | 0.00090 | 0.0597 mg/L | 0.00090 | 1.51% |
| QC value within limits for B 182.528 | | | Recovery = | 119.39% | | | |
| Ba 233.527† | 7709.7 | 0.0490 mg/L | | 0.00031 | 0.0490 mg/L | 0.00031 | 0.64% |
| QC value within limits for Ba 233.527 | | | Recovery = | 98.04% | | | |
| Be 313.107† | 22374.4 | 0.0050 mg/L | | 0.00005 | 0.0050 mg/L | 0.00005 | 1.05% |
| QC value within limits for Be 313.107 | | | Recovery = | 99.65% | | | |
| Ca 315.886† | 54927.1 | 0.4879 mg/L | | 0.00308 | 0.4879 mg/L | 0.00308 | 0.63% |
| QC value within limits for Ca 315.886 | | | Recovery = | 97.58% | | | |
| Cd 228.802† | 1673.2 | 0.0246 mg/L | | 0.00016 | 0.0246 mg/L | 0.00016 | 0.67% |
| QC value within limits for Cd 228.802 | | | Recovery = | 98.22% | | | |
| Co 228.616† | 2789.0 | 0.0476 mg/L | | 0.00035 | 0.0476 mg/L | 0.00035 | 0.73% |
| QC value within limits for Co 228.616 | | | Recovery = | 95.19% | | | |
| Cr 267.716† | 5653.7 | 0.0504 mg/L | | 0.00010 | 0.0504 mg/L | 0.00010 | 0.20% |
| QC value within limits for Cr 267.716 | | | Recovery = | 100.79% | | | |
| Cu 324.752† | 10386.0 | 0.0510 mg/L | | 0.00049 | 0.0510 mg/L | 0.00049 | 0.95% |
| QC value within limits for Cu 324.752 | | | Recovery = | 102.01% | | | |
| Fe 238.204† | 26524.9 | 0.2537 mg/L | | 0.00158 | 0.2537 mg/L | 0.00158 | 0.62% |
| QC value within limits for Fe 238.204 | | | Recovery = | 101.48% | | | |
| Fe 234.349† | 7702.9 | 0.2471 mg/L | | 0.00156 | 0.2471 mg/L | 0.00156 | 0.63% |
| QC value within limits for Fe 234.349 | | | Recovery = | 98.83% | | | |
| Mg 279.077† | 8179.0 | 0.4969 mg/L | | 0.00298 | 0.4969 mg/L | 0.00298 | 0.60% |
| QC value within limits for Mg 279.077 | | | Recovery = | 99.38% | | | |
| Mn 257.610† | 43714.8 | 0.0487 mg/L | | 0.00034 | 0.0487 mg/L | 0.00034 | 0.70% |
| QC value within limits for Mn 257.610 | | | Recovery = | 97.41% | | | |
| Mo 202.031† | 498.5 | 0.0517 mg/L | | 0.00003 | 0.0517 mg/L | 0.00003 | 0.07% |
| QC value within limits for Mo 202.031 | | | Recovery = | 103.45% | | | |
| Na 330.237† | 1545.2 | 2.695 mg/L | | 0.0452 | 2.695 mg/L | 0.0452 | 1.68% |
| QC value within limits for Na 330.237 | | | Recovery = | 107.81% | | | |
| Ni 231.604† | 2156.7 | 0.0517 mg/L | | 0.00191 | 0.0517 mg/L | 0.00191 | 3.70% |
| QC value within limits for Ni 231.604 | | | Recovery = | 103.39% | | | |
| Pb 220.353† | 377.1 | 0.0512 mg/L | | 0.00065 | 0.0512 mg/L | 0.00065 | 1.26% |
| QC value within limits for Pb 220.353 | | | Recovery = | 102.48% | | | |
| Sb 206.836† | 156.7 | 0.0489 mg/L | | 0.00043 | 0.0489 mg/L | 0.00043 | 0.89% |
| QC value within limits for Sb 206.836 | | | Recovery = | 97.85% | | | |
| Se 196.026† | 52.8 | 0.0987 mg/L | | 0.00955 | 0.0987 mg/L | 0.00955 | 9.68% |

QC value within limits for Se 196.026 Recovery = 98.66%
 Sn 189.927† 46.6 0.0293 mg/L 0.00028 0.0293 mg/L 0.00028 0.95%
 QC value less than the lower limit for Sn 189.927 Recovery = 58.69%
 Ti 337.279† 26894.9 0.0475 mg/L 0.00038 0.0475 mg/L 0.00038 0.79%
 QC value within limits for Ti 337.279 Recovery = 94.96%
 Tl 190.801† 43.7 0.0465 mg/L 0.00094 0.0465 mg/L 0.00094 2.03%
 QC value within limits for Tl 190.801 Recovery = 93.09%
 V 292.402† 9121.1 0.0505 mg/L 0.00003 0.0505 mg/L 0.00003 0.07%
 QC value within limits for V 292.402 Recovery = 100.96%
 Zn 213.857† 4014.1 0.0489 mg/L 0.00040 0.0489 mg/L 0.00040 0.82%
 QC value within limits for Zn 213.857 Recovery = 97.77%
 QC Failed. Continue with analysis.

Sequence No.: 9
 Sample ID: CRI2
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 7
 Date Collected: 8/14/2006 8:02:22 PM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Replicate Data: CRI2

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. Units | Sample Conc. Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------------------|--------------------|---------------|
| 1 | Y 360.073 | 2010121.1 | 2010121.1 | 1.01 mg/L | | 20:03:57 |
| 1 | Ag 328.068† | 3312.7 | 2792.9 | 0.0109 mg/L | 0.0109 mg/L | 20:04:02 |
| 1 | Al 237.313† | 441.0 | 713.1 | 0.1094 mg/L | 0.1094 mg/L | 20:04:22 |
| 1 | As 188.979† | 1.9 | 11.2 | 0.0197 mg/L | 0.0197 mg/L | 20:04:22 |
| 1 | B 182.528† | -4.2 | 17.6 | 0.0221 mg/L | 0.0221 mg/L | 20:04:22 |
| 1 | Ba 233.527† | 3325.9 | 3080.5 | 0.0186 mg/L | 0.0186 mg/L | 20:04:22 |
| 1 | Be 313.107† | 12359.2 | 9130.8 | 0.0020 mg/L | 0.0020 mg/L | 20:03:57 |
| 1 | Ca 315.886† | 22500.6 | 22623.8 | 0.1939 mg/L | 0.1939 mg/L | 20:04:02 |
| 1 | Cd 228.802† | 1244.2 | 690.3 | 0.0105 mg/L | 0.0105 mg/L | 20:04:22 |
| 1 | Co 228.616† | 977.2 | 1133.6 | 0.0185 mg/L | 0.0185 mg/L | 20:04:22 |
| 1 | Cr 267.716† | 3746.6 | 2273.2 | 0.0204 mg/L | 0.0204 mg/L | 20:04:02 |
| 1 | Cu 324.752† | 6334.8 | 4176.9 | 0.0216 mg/L | 0.0216 mg/L | 20:04:02 |
| 1 | Fe 238.204† | 12159.3 | 10926.7 | 0.1042 mg/L | 0.1042 mg/L | 20:04:02 |
| 1 | Fe 234.349† | 3814.6 | 3134.2 | 0.0960 mg/L | 0.0960 mg/L | 20:04:02 |
| 1 | Mg 279.077† | 2554.5 | 3348.1 | 0.2025 mg/L | 0.2025 mg/L | 20:04:02 |
| 1 | Mn 257.610† | 19377.3 | 17932.4 | 0.0189 mg/L | 0.0189 mg/L | 20:04:02 |
| 1 | Mo 202.031† | 289.8 | 206.9 | 0.0215 mg/L | 0.0215 mg/L | 20:04:22 |
| 1 | Na 330.237† | 2190.1 | 666.5 | 1.469 mg/L | 1.469 mg/L | 20:04:02 |
| 1 | Ni 231.604† | 4991.8 | 817.4 | 0.0201 mg/L | 0.0201 mg/L | 20:04:02 |
| 1 | Pb 220.353† | 192.0 | 143.0 | 0.0194 mg/L | 0.0194 mg/L | 20:04:22 |
| 1 | Sb 206.836† | 116.0 | 63.3 | 0.0197 mg/L | 0.0197 mg/L | 20:04:22 |
| 1 | Se 196.026† | 2.2 | 18.3 | 0.0350 mg/L | 0.0350 mg/L | 20:04:22 |
| 1 | Sn 189.927† | 204.8 | 13.3 | 0.0138 mg/L | 0.0138 mg/L | 20:04:22 |
| 1 | Ti 337.279† | 11341.6 | 10915.1 | 0.0185 mg/L | 0.0185 mg/L | 20:04:02 |
| 1 | Tl 190.801† | -3.6 | 14.5 | 0.0168 mg/L | 0.0168 mg/L | 20:04:22 |
| 1 | V 292.402† | 6110.0 | 3786.1 | 0.0213 mg/L | 0.0213 mg/L | 20:04:02 |
| 1 | Zn 213.857† | 2726.0 | 1653.3 | 0.0188 mg/L | 0.0188 mg/L | 20:04:22 |
| 2 | Y 360.073 | 2015216.8 | 2015216.8 | 1.01 mg/L | | 20:04:28 |
| 2 | Ag 328.068† | 3175.0 | 2648.5 | 0.0103 mg/L | 0.0103 mg/L | 20:04:33 |
| 2 | Al 237.313† | 426.8 | 698.1 | 0.1072 mg/L | 0.1072 mg/L | 20:04:54 |
| 2 | As 188.979† | 8.1 | 17.2 | 0.0294 mg/L | 0.0294 mg/L | 20:04:54 |
| 2 | B 182.528† | 0.2 | 21.9 | 0.0266 mg/L | 0.0266 mg/L | 20:04:54 |
| 2 | Ba 233.527† | 3302.1 | 3048.6 | 0.0184 mg/L | 0.0184 mg/L | 20:04:54 |
| 2 | Be 313.107† | 12330.6 | 9071.5 | 0.0020 mg/L | 0.0020 mg/L | 20:04:28 |
| 2 | Ca 315.886† | 21952.0 | 22025.0 | 0.1885 mg/L | 0.1885 mg/L | 20:04:33 |
| 2 | Cd 228.802† | 1254.9 | 697.7 | 0.0106 mg/L | 0.0106 mg/L | 20:04:54 |
| 2 | Co 228.616† | 949.9 | 1104.3 | 0.0180 mg/L | 0.0180 mg/L | 20:04:54 |
| 2 | Cr 267.716† | 3765.1 | 2282.1 | 0.0205 mg/L | 0.0205 mg/L | 20:04:33 |
| 2 | Cu 324.752† | 6194.1 | 4021.9 | 0.0208 mg/L | 0.0208 mg/L | 20:04:33 |
| 2 | Fe 238.204† | 11851.3 | 10591.7 | 0.1010 mg/L | 0.1010 mg/L | 20:04:33 |
| 2 | Fe 234.349† | 3720.2 | 3031.3 | 0.0926 mg/L | 0.0926 mg/L | 20:04:33 |
| 2 | Mg 279.077† | 2436.8 | 3225.3 | 0.1950 mg/L | 0.1950 mg/L | 20:04:33 |
| 2 | Mn 257.610† | 18880.4 | 17392.6 | 0.0183 mg/L | 0.0183 mg/L | 20:04:33 |
| 2 | Mo 202.031† | 289.2 | 205.6 | 0.0213 mg/L | 0.0213 mg/L | 20:04:54 |
| 2 | Na 330.237† | 2213.8 | 684.4 | 1.495 mg/L | 1.495 mg/L | 20:04:33 |
| 2 | Ni 231.604† | 4966.2 | 779.6 | 0.0192 mg/L | 0.0192 mg/L | 20:04:33 |
| 2 | Pb 220.353† | 205.1 | 155.4 | 0.0211 mg/L | 0.0211 mg/L | 20:04:54 |

| | | | | | | |
|---|-------------|---------|---------|-------------|-------------|----------|
| 2 | Sb 206.836† | 118.8 | 65.7 | 0.0205 mg/L | 0.0205 mg/L | 20:04:54 |
| 2 | Se 196.026† | 5.4 | 21.5 | 0.0409 mg/L | 0.0409 mg/L | 20:04:54 |
| 2 | Sn 189.927† | 197.3 | 5.4 | 0.0102 mg/L | 0.0102 mg/L | 20:04:54 |
| 2 | Ti 337.279† | 11046.0 | 10594.3 | 0.0179 mg/L | 0.0179 mg/L | 20:04:33 |
| 2 | Tl 190.801† | -1.1 | 16.9 | 0.0193 mg/L | 0.0193 mg/L | 20:04:54 |
| 2 | V 292.402† | 6037.7 | 3699.2 | 0.0208 mg/L | 0.0208 mg/L | 20:04:33 |
| 2 | Zn 213.857† | 2715.6 | 1636.1 | 0.0186 mg/L | 0.0186 mg/L | 20:04:54 |

Mean Data: CRI2

| Analyte | Mean Corrected Intensity | Conc. Units | Calib | Std.Dev. | Sample Conc. Units | Std.Dev. | RSD |
|---|--------------------------|-------------|-------|----------|--------------------|----------|--------|
| Y 360.073 | 2012669.0 | 1.01 mg/L | | 0.002 | | | 0.18% |
| Ag 328.068† | 2720.7 | 0.0106 mg/L | | 0.00037 | 0.0106 mg/L | 0.00037 | 3.47% |
| QC value within limits for Ag 328.068 Recovery = 106.07% | | | | | | | |
| Al 237.313† | 705.6 | 0.1083 mg/L | | 0.00152 | 0.1083 mg/L | 0.00152 | 1.40% |
| QC value within limits for Al 237.313 Recovery = 108.28% | | | | | | | |
| As 188.979† | 14.2 | 0.0245 mg/L | | 0.00685 | 0.0245 mg/L | 0.00685 | 27.90% |
| QC value within limits for As 188.979 Recovery = 122.70% | | | | | | | |
| B 182.528† | 19.7 | 0.0244 mg/L | | 0.00320 | 0.0244 mg/L | 0.00320 | 13.14% |
| QC value within limits for B 182.528 Recovery = 121.80% | | | | | | | |
| Ba 233.527† | 3064.6 | 0.0185 mg/L | | 0.00015 | 0.0185 mg/L | 0.00015 | 0.80% |
| QC value within limits for Ba 233.527 Recovery = 92.36% | | | | | | | |
| Be 313.107† | 9101.1 | 0.0020 mg/L | | 0.00001 | 0.0020 mg/L | 0.00001 | 0.47% |
| QC value within limits for Be 313.107 Recovery = 100.33% | | | | | | | |
| Ca 315.886† | 22324.4 | 0.1912 mg/L | | 0.00385 | 0.1912 mg/L | 0.00385 | 2.02% |
| QC value within limits for Ca 315.886 Recovery = 95.60% | | | | | | | |
| Cd 228.802† | 694.0 | 0.0106 mg/L | | 0.00006 | 0.0106 mg/L | 0.00006 | 0.53% |
| QC value within limits for Cd 228.802 Recovery = 105.63% | | | | | | | |
| Co 228.616† | 1118.9 | 0.0182 mg/L | | 0.00037 | 0.0182 mg/L | 0.00037 | 2.01% |
| QC value within limits for Co 228.616 Recovery = 91.06% | | | | | | | |
| Cr 267.716† | 2277.7 | 0.0205 mg/L | | 0.00006 | 0.0205 mg/L | 0.00006 | 0.27% |
| QC value within limits for Cr 267.716 Recovery = 102.33% | | | | | | | |
| Cu 324.752† | 4099.4 | 0.0212 mg/L | | 0.00052 | 0.0212 mg/L | 0.00052 | 2.45% |
| QC value within limits for Cu 324.752 Recovery = 105.98% | | | | | | | |
| Fe 238.204† | 10759.2 | 0.1026 mg/L | | 0.00227 | 0.1026 mg/L | 0.00227 | 2.21% |
| QC value within limits for Fe 238.204 Recovery = 102.64% | | | | | | | |
| Fe 234.349† | 3082.7 | 0.0943 mg/L | | 0.00241 | 0.0943 mg/L | 0.00241 | 2.55% |
| QC value within limits for Fe 234.349 Recovery = 94.27% | | | | | | | |
| Mg 279.077† | 3286.7 | 0.1988 mg/L | | 0.00529 | 0.1988 mg/L | 0.00529 | 2.66% |
| QC value within limits for Mg 279.077 Recovery = 99.38% | | | | | | | |
| Mn 257.610† | 17662.5 | 0.0186 mg/L | | 0.00044 | 0.0186 mg/L | 0.00044 | 2.37% |
| QC value within limits for Mn 257.610 Recovery = 93.08% | | | | | | | |
| Mo 202.031† | 206.3 | 0.0214 mg/L | | 0.00009 | 0.0214 mg/L | 0.00009 | 0.44% |
| QC value within limits for Mo 202.031 Recovery = 107.00% | | | | | | | |
| Na 330.237† | 675.5 | 1.482 mg/L | | 0.0177 | 1.482 mg/L | 0.0177 | 1.20% |
| QC value greater than the upper limit for Na 330.237 Recovery = 148.20% | | | | | | | |
| Ni 231.604† | 798.5 | 0.0196 mg/L | | 0.00063 | 0.0196 mg/L | 0.00063 | 3.21% |
| QC value within limits for Ni 231.604 Recovery = 98.21% | | | | | | | |
| Pb 220.353† | 149.2 | 0.0203 mg/L | | 0.00119 | 0.0203 mg/L | 0.00119 | 5.88% |
| QC value within limits for Pb 220.353 Recovery = 101.42% | | | | | | | |
| Sb 206.836† | 64.5 | 0.0201 mg/L | | 0.00055 | 0.0201 mg/L | 0.00055 | 2.74% |
| QC value within limits for Sb 206.836 Recovery = 100.35% | | | | | | | |
| Se 196.026† | 19.9 | 0.0379 mg/L | | 0.00415 | 0.0379 mg/L | 0.00415 | 10.94% |
| QC value within limits for Se 196.026 Recovery = 94.80% | | | | | | | |
| Sn 189.927† | 9.4 | 0.0120 mg/L | | 0.00258 | 0.0120 mg/L | 0.00258 | 21.50% |
| QC value less than the lower limit for Sn 189.927 Recovery = 60.10% | | | | | | | |
| Ti 337.279† | 10754.7 | 0.0182 mg/L | | 0.00041 | 0.0182 mg/L | 0.00041 | 2.27% |
| QC value within limits for Ti 337.279 Recovery = 90.80% | | | | | | | |
| Tl 190.801† | 15.7 | 0.0180 mg/L | | 0.00180 | 0.0180 mg/L | 0.00180 | 9.97% |
| QC value within limits for Tl 190.801 Recovery = 90.12% | | | | | | | |
| V 292.402† | 3742.7 | 0.0211 mg/L | | 0.00033 | 0.0211 mg/L | 0.00033 | 1.58% |
| QC value within limits for V 292.402 Recovery = 105.42% | | | | | | | |
| Zn 213.857† | 1644.7 | 0.0187 mg/L | | 0.00015 | 0.0187 mg/L | 0.00015 | 0.81% |
| QC value within limits for Zn 213.857 Recovery = 93.37% | | | | | | | |
| QC Failed. Continue with analysis. | | | | | | | |

Sequence No.: 10
 Sample ID: CRI3
 Analyst:

Autosampler Location: 8
 Date Collected: 8/14/2006 8:06:33 PM
 Data Type: Original

Initial Sample Wt:
Dilution:Initial Sample Vol:
Sample Prep Vol:-----
Replicate Data: CR13

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. Units | Sample Conc. Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------------------|--------------------|---------------|
| 1 | Y 360.073 | 2014695.9 | 2014695.9 | 1.01 mg/L | | 20:08:08 |
| 1 | Ag 328.068† | 1909.5 | 1397.7 | 0.0058 mg/L | 0.0058 mg/L | 20:08:13 |
| 1 | Al 237.313† | 134.5 | 409.1 | 0.0658 mg/L | 0.0658 mg/L | 20:08:33 |
| 1 | As 188.979† | -3.2 | 6.1 | 0.0116 mg/L | 0.0116 mg/L | 20:08:33 |
| 1 | B 182.528† | -8.1 | 13.7 | 0.0180 mg/L | 0.0180 mg/L | 20:08:33 |
| 1 | Ba 233.527† | 1781.8 | 1545.9 | 0.0085 mg/L | 0.0085 mg/L | 20:08:33 |
| 1 | Be 313.107† | 7723.3 | 4517.9 | 0.0010 mg/L | 0.0010 mg/L | 20:08:08 |
| 1 | Ca 315.886† | 10941.9 | 11141.1 | 0.0894 mg/L | 0.0894 mg/L | 20:08:13 |
| 1 | Cd 228.802† | 908.7 | 355.7 | 0.0057 mg/L | 0.0057 mg/L | 20:08:33 |
| 1 | Co 228.616† | 390.1 | 550.8 | 0.0082 mg/L | 0.0082 mg/L | 20:08:33 |
| 1 | Cr 267.716† | 2612.2 | 1142.8 | 0.0104 mg/L | 0.0104 mg/L | 20:08:13 |
| 1 | Cu 324.752† | 4150.7 | 2002.4 | 0.0113 mg/L | 0.0113 mg/L | 20:08:13 |
| 1 | Fe 238.204† | 6768.3 | 5567.4 | 0.0529 mg/L | 0.0529 mg/L | 20:08:13 |
| 1 | Fe 234.349† | 2235.0 | 1563.3 | 0.0440 mg/L | 0.0440 mg/L | 20:08:33 |
| 1 | Mg 279.077† | 839.6 | 1646.2 | 0.0988 mg/L | 0.0988 mg/L | 20:08:13 |
| 1 | Mn 257.610† | 10257.8 | 8869.3 | 0.0085 mg/L | 0.0085 mg/L | 20:08:13 |
| 1 | Mo 202.031† | 190.7 | 108.3 | 0.0112 mg/L | 0.0112 mg/L | 20:08:33 |
| 1 | Na 330.237† | 1911.7 | 386.2 | 1.079 mg/L | 1.079 mg/L | 20:08:13 |
| 1 | Ni 231.604† | 4508.5 | 328.1 | 0.0085 mg/L | 0.0085 mg/L | 20:08:13 |
| 1 | Pb 220.353† | 126.9 | 78.2 | 0.0106 mg/L | 0.0106 mg/L | 20:08:33 |
| 1 | Sb 206.836† | 83.1 | 30.4 | 0.0094 mg/L | 0.0094 mg/L | 20:08:33 |
| 1 | Se 196.026† | -5.9 | 10.3 | 0.0202 mg/L | 0.0202 mg/L | 20:08:33 |
| 1 | Sn 189.927† | 159.4 | -32.0 | -0.0072 mg/L | -0.0072 mg/L | 20:08:33 |
| 1 | Ti 337.279† | 5789.5 | 5398.3 | 0.0084 mg/L | 0.0084 mg/L | 20:08:13 |
| 1 | Tl 190.801† | -7.6 | 10.5 | 0.0128 mg/L | 0.0128 mg/L | 20:08:33 |
| 1 | V 292.402† | 4267.4 | 1950.0 | 0.0113 mg/L | 0.0113 mg/L | 20:08:13 |
| 1 | Zn 213.857† | 1917.1 | 847.1 | 0.0085 mg/L | 0.0085 mg/L | 20:08:33 |
| 2 | Y 360.073 | 2019096.1 | 2019096.1 | 1.01 mg/L | | 20:08:39 |
| 2 | Ag 328.068† | 1906.9 | 1391.0 | 0.0058 mg/L | 0.0058 mg/L | 20:08:44 |
| 2 | Al 237.313† | 143.6 | 417.7 | 0.0671 mg/L | 0.0671 mg/L | 20:09:05 |
| 2 | As 188.979† | 0.5 | 9.7 | 0.0173 mg/L | 0.0173 mg/L | 20:09:05 |
| 2 | B 182.528† | -7.6 | 14.2 | 0.0186 mg/L | 0.0186 mg/L | 20:09:05 |
| 2 | Ba 233.527† | 1754.6 | 1515.2 | 0.0083 mg/L | 0.0083 mg/L | 20:09:05 |
| 2 | Be 313.107† | 7775.7 | 4552.9 | 0.0010 mg/L | 0.0010 mg/L | 20:08:39 |
| 2 | Ca 315.886† | 10902.4 | 11078.6 | 0.0888 mg/L | 0.0888 mg/L | 20:08:44 |
| 2 | Cd 228.802† | 915.3 | 360.2 | 0.0058 mg/L | 0.0058 mg/L | 20:09:05 |
| 2 | Co 228.616† | 389.9 | 549.8 | 0.0082 mg/L | 0.0082 mg/L | 20:09:05 |
| 2 | Cr 267.716† | 2596.2 | 1121.4 | 0.0102 mg/L | 0.0102 mg/L | 20:08:44 |
| 2 | Cu 324.752† | 4129.8 | 1972.9 | 0.0111 mg/L | 0.0111 mg/L | 20:08:44 |
| 2 | Fe 238.204† | 6619.4 | 5405.9 | 0.0514 mg/L | 0.0514 mg/L | 20:08:44 |
| 2 | Fe 234.349† | 2245.3 | 1568.7 | 0.0442 mg/L | 0.0442 mg/L | 20:09:05 |
| 2 | Mg 279.077† | 818.7 | 1623.7 | 0.0974 mg/L | 0.0974 mg/L | 20:08:44 |
| 2 | Mn 257.610† | 10172.6 | 8763.1 | 0.0083 mg/L | 0.0083 mg/L | 20:08:44 |
| 2 | Mo 202.031† | 186.1 | 103.3 | 0.0107 mg/L | 0.0107 mg/L | 20:09:05 |
| 2 | Na 330.237† | 1870.9 | 341.8 | 1.017 mg/L | 1.017 mg/L | 20:08:44 |
| 2 | Ni 231.604† | 4414.1 | 225.3 | 0.0061 mg/L | 0.0061 mg/L | 20:08:44 |
| 2 | Pb 220.353† | 116.4 | 67.5 | 0.0092 mg/L | 0.0092 mg/L | 20:09:05 |
| 2 | Sb 206.836† | 81.9 | 29.0 | 0.0090 mg/L | 0.0090 mg/L | 20:09:05 |
| 2 | Se 196.026† | -5.6 | 10.6 | 0.0207 mg/L | 0.0207 mg/L | 20:09:05 |
| 2 | Sn 189.927† | 162.7 | -29.1 | -0.0058 mg/L | -0.0058 mg/L | 20:09:05 |
| 2 | Ti 337.279† | 5669.8 | 5267.7 | 0.0082 mg/L | 0.0082 mg/L | 20:08:44 |
| 2 | Tl 190.801† | -9.7 | 8.4 | 0.0106 mg/L | 0.0106 mg/L | 20:09:05 |
| 2 | V 292.402† | 4301.2 | 1974.0 | 0.0114 mg/L | 0.0114 mg/L | 20:08:44 |
| 2 | Zn 213.857† | 1928.4 | 854.1 | 0.0086 mg/L | 0.0086 mg/L | 20:09:05 |

Mean Data: CR13

| Analyte | Mean Corrected Intensity | Calib. Conc. Units | Std.Dev. | Sample Conc. Units | Std.Dev. | RSD |
|---|--------------------------|--------------------|----------|--------------------|----------|-------|
| Y 360.073 | 2016896.0 | 1.01 mg/L | 0.002 | | | 0.15% |
| Ag 328.068† | 1394.3 | 0.0058 mg/L | 0.00002 | 0.0058 mg/L | 0.00002 | 0.29% |
| QC value within limits for Ag 328.068 Recovery = 116.62% | | | | | | |
| Al 237.313† | 413.4 | 0.0665 mg/L | 0.00088 | 0.0665 mg/L | 0.00088 | 1.33% |
| QC value greater than the upper limit for Al 237.313 Recovery = 132.93% | | | | | | |

| | | | | | | | |
|------------------------------------|---|---------|--------------|---------|--------------|---------|--------|
| As | 188.979† | 7.9 | 0.0144 mg/L | 0.00410 | 0.0144 mg/L | 0.00410 | 28.38% |
| | QC value greater than the upper limit for As 188.979 Recovery = 144.50% | | | | | | |
| B | 182.528† | 13.9 | 0.0183 mg/L | 0.00041 | 0.0183 mg/L | 0.00041 | 2.21% |
| | QC value greater than the upper limit for B 182.528 Recovery = 183.26% | | | | | | |
| Ba | 233.527† | 1530.6 | 0.0084 mg/L | 0.00014 | 0.0084 mg/L | 0.00014 | 1.70% |
| | QC value within limits for Ba 233.527 Recovery = 83.84% | | | | | | |
| Be | 313.107† | 4535.4 | 0.0010 mg/L | 0.00001 | 0.0010 mg/L | 0.00001 | 0.56% |
| | QC value within limits for Be 313.107 Recovery = 98.28% | | | | | | |
| Ca | 315.886† | 11109.8 | 0.0891 mg/L | 0.00040 | 0.0891 mg/L | 0.00040 | 0.45% |
| | QC value within limits for Ca 315.886 Recovery = 89.13% | | | | | | |
| Cd | 228.802† | 357.9 | 0.0058 mg/L | 0.00003 | 0.0058 mg/L | 0.00003 | 0.59% |
| | QC value within limits for Cd 228.802 Recovery = 115.24% | | | | | | |
| Co | 228.616† | 550.3 | 0.0082 mg/L | 0.00001 | 0.0082 mg/L | 0.00001 | 0.14% |
| | QC value within limits for Co 228.616 Recovery = 82.07% | | | | | | |
| Cr | 267.716† | 1132.1 | 0.0103 mg/L | 0.00013 | 0.0103 mg/L | 0.00013 | 1.30% |
| | QC value within limits for Cr 267.716 Recovery = 103.12% | | | | | | |
| Cu | 324.752† | 1987.6 | 0.0112 mg/L | 0.00010 | 0.0112 mg/L | 0.00010 | 0.89% |
| | QC value within limits for Cu 324.752 Recovery = 111.81% | | | | | | |
| Fe | 238.204† | 5486.6 | 0.0521 mg/L | 0.00109 | 0.0521 mg/L | 0.00109 | 2.10% |
| | QC value within limits for Fe 238.204 Recovery = 104.25% | | | | | | |
| Fe | 234.349† | 1566.0 | 0.0441 mg/L | 0.00014 | 0.0441 mg/L | 0.00014 | 0.32% |
| | QC value within limits for Fe 234.349 Recovery = 88.24% | | | | | | |
| Mg | 279.077† | 1634.9 | 0.0981 mg/L | 0.00097 | 0.0981 mg/L | 0.00097 | 0.99% |
| | QC value within limits for Mg 279.077 Recovery = 98.10% | | | | | | |
| Mn | 257.610† | 8816.2 | 0.0084 mg/L | 0.00009 | 0.0084 mg/L | 0.00009 | 1.03% |
| | QC value within limits for Mn 257.610 Recovery = 84.01% | | | | | | |
| Mo | 202.031† | 105.8 | 0.0110 mg/L | 0.00037 | 0.0110 mg/L | 0.00037 | 3.36% |
| | QC value within limits for Mo 202.031 Recovery = 109.71% | | | | | | |
| Na | 330.237† | 364.0 | 1.048 mg/L | 0.0439 | 1.048 mg/L | 0.0439 | 4.19% |
| | QC value greater than the upper limit for Na 330.237 Recovery = 209.50% | | | | | | |
| Ni | 231.604† | 276.7 | 0.0073 mg/L | 0.00172 | 0.0073 mg/L | 0.00172 | 23.44% |
| | QC value within limits for Ni 231.604 Recovery = 73.27% | | | | | | |
| Pb | 220.353† | 72.9 | 0.0099 mg/L | 0.00102 | 0.0099 mg/L | 0.00102 | 10.27% |
| | QC value within limits for Pb 220.353 Recovery = 99.15% | | | | | | |
| Sb | 206.836† | 29.7 | 0.0092 mg/L | 0.00030 | 0.0092 mg/L | 0.00030 | 3.29% |
| | QC value within limits for Sb 206.836 Recovery = 91.77% | | | | | | |
| Se | 196.026† | 10.5 | 0.0204 mg/L | 0.00036 | 0.0204 mg/L | 0.00036 | 1.76% |
| | QC value within limits for Se 196.026 Recovery = 102.10% | | | | | | |
| Sn | 189.927† | -30.6 | -0.0065 mg/L | 0.00095 | -0.0065 mg/L | 0.00095 | 14.67% |
| | QC value less than the lower limit for Sn 189.927 Recovery = -64.97% | | | | | | |
| Ti | 337.279† | 5333.0 | 0.0083 mg/L | 0.00017 | 0.0083 mg/L | 0.00017 | 2.02% |
| | QC value within limits for Ti 337.279 Recovery = 83.09% | | | | | | |
| Tl | 190.801† | 9.5 | 0.0117 mg/L | 0.00151 | 0.0117 mg/L | 0.00151 | 12.89% |
| | QC value within limits for Tl 190.801 Recovery = 116.93% | | | | | | |
| V | 292.402† | 1962.0 | 0.0114 mg/L | 0.00009 | 0.0114 mg/L | 0.00009 | 0.81% |
| | QC value within limits for V 292.402 Recovery = 113.51% | | | | | | |
| Zn | 213.857† | 850.6 | 0.0086 mg/L | 0.00007 | 0.0086 mg/L | 0.00007 | 0.87% |
| | QC value within limits for Zn 213.857 Recovery = 85.59% | | | | | | |
| QC Failed. Continue with analysis. | | | | | | | |

Sequence No.: 11
 Sample ID: ICSA
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 106
 Date Collected: 8/14/2006 8:10:44 PM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Replicate Data: ICSA

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. Units | Sample Conc. Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------------------|--------------------|---------------|
| 1 | Y 360.073 | 1949597.6 | 1949597.6 | 0.978 mg/L | | 20:12:33 |
| 1 | Ag 328.068† | 742.5 | 267.9 | 0.0018 mg/L | 0.0018 mg/L | 20:12:38 |
| 1 | Al 237.313† | 1657559.9 | 1694411.6 | 244.1 mg/L | 244.1 mg/L | 20:12:33 |
| 1 | As 188.979† | -7.1 | 2.0 | 0.0051 mg/L | 0.0051 mg/L | 20:12:58 |
| 1 | B 182.528† | -11.0 | 10.4 | 0.0147 mg/L | 0.0147 mg/L | 20:12:58 |
| 1 | Ba 233.527† | 901.0 | 704.5 | 0.0030 mg/L | 0.0030 mg/L | 20:12:58 |
| 1 | Be 313.107† | 667.3 | -2438.8 | -0.0003 mg/L | -0.0003 mg/L | 20:12:38 |
| 1 | Ca 315.886† | 26194577.6 | 26772906.3 | 243.6 mg/L | 243.6 mg/L | 20:12:25 |
| 1 | Cd 228.802† | 653.5 | 124.8 | 0.0005 mg/L | 0.0005 mg/L | 20:12:58 |
| 1 | Co 228.616† | -117.2 | 45.2 | -0.0007 mg/L | -0.0007 mg/L | 20:12:58 |

| | | | | | | | |
|---|----|----------|------------|------------|--------------|--------------|----------|
| 1 | Cr | 267.716† | 1427.6 | 18.4 | 0.0051 mg/L | 0.0051 mg/L | 20:12:38 |
| 1 | Cu | 324.752† | 1218.5 | -857.3 | -0.0023 mg/L | -0.0023 mg/L | 20:12:38 |
| 1 | Fe | 238.204† | 9044634.9 | 9243087.1 | 88.53 mg/L | 88.53 mg/L | 20:12:25 |
| 1 | Fe | 234.349† | 2751660.7 | 2811731.7 | 93.17 mg/L | 93.17 mg/L | 20:12:33 |
| 1 | Mg | 279.077† | 3880760.7 | 3967209.3 | 241.7 mg/L | 241.7 mg/L | 20:12:33 |
| 1 | Mn | 257.610† | 4966.9 | 3800.5 | 0.0058 mg/L | 0.0058 mg/L | 20:12:38 |
| 1 | Mo | 202.031† | -22.2 | -103.0 | -0.0042 mg/L | -0.0042 mg/L | 20:12:58 |
| 1 | Na | 330.237† | 1422.8 | -50.4 | 0.8501 mg/L | 0.8501 mg/L | 20:12:38 |
| 1 | Ni | 231.604† | 3933.0 | -111.1 | -0.0018 mg/L | -0.0018 mg/L | 20:12:58 |
| 1 | Pb | 220.353† | -108.4 | -158.1 | -0.0050 mg/L | -0.0050 mg/L | 20:12:58 |
| 1 | Sb | 206.836† | 23.0 | -28.3 | -0.0091 mg/L | -0.0091 mg/L | 20:12:58 |
| 1 | Se | 196.026† | -40.2 | -24.9 | -0.0450 mg/L | -0.0450 mg/L | 20:12:58 |
| 1 | Sn | 189.927† | 102.9 | -84.6 | -0.0315 mg/L | -0.0315 mg/L | 20:12:58 |
| 1 | Ti | 337.279† | 3531.5 | 3281.6 | 0.0046 mg/L | 0.0046 mg/L | 20:12:38 |
| 1 | Tl | 190.801† | -55.0 | -38.2 | -0.0368 mg/L | -0.0368 mg/L | 20:12:58 |
| 1 | V | 292.402† | 1095.6 | -1150.9 | -0.0056 mg/L | -0.0056 mg/L | 20:12:38 |
| 1 | Zn | 213.857† | 3475.8 | 2503.5 | 0.0298 mg/L | 0.0298 mg/L | 20:12:58 |
| 2 | Y | 360.073 | 1962776.2 | 1962776.2 | 0.985 mg/L | | 20:13:18 |
| 2 | Ag | 328.068† | 731.3 | 251.5 | 0.0017 mg/L | 0.0017 mg/L | 20:13:23 |
| 2 | Al | 237.313† | 1669739.1 | 1695401.1 | 244.2 mg/L | 244.2 mg/L | 20:13:18 |
| 2 | As | 188.979† | -5.5 | 3.7 | 0.0077 mg/L | 0.0077 mg/L | 20:13:43 |
| 2 | B | 182.528† | -0.2 | 21.5 | 0.0262 mg/L | 0.0262 mg/L | 20:13:43 |
| 2 | Ba | 233.527† | 886.9 | 684.0 | 0.0028 mg/L | 0.0028 mg/L | 20:13:43 |
| 2 | Be | 313.107† | 570.1 | -2542.0 | -0.0003 mg/L | -0.0003 mg/L | 20:13:23 |
| 2 | Ca | 315.886† | 26290882.3 | 26690916.5 | 242.9 mg/L | 242.9 mg/L | 20:13:10 |
| 2 | Cd | 228.802† | 655.3 | 122.2 | 0.0004 mg/L | 0.0004 mg/L | 20:13:43 |
| 2 | Co | 228.616† | -139.0 | 23.8 | -0.0011 mg/L | -0.0011 mg/L | 20:13:43 |
| 2 | Cr | 267.716† | 1352.4 | -67.8 | 0.0043 mg/L | 0.0043 mg/L | 20:13:23 |
| 2 | Cu | 324.752† | 1195.6 | -889.0 | -0.0025 mg/L | -0.0025 mg/L | 20:13:23 |
| 2 | Fe | 238.204† | 9072507.3 | 9209314.9 | 88.21 mg/L | 88.21 mg/L | 20:13:10 |
| 2 | Fe | 234.349† | 2770168.0 | 2811637.2 | 93.17 mg/L | 93.17 mg/L | 20:13:18 |
| 2 | Mg | 279.077† | 3909658.8 | 3969915.3 | 241.9 mg/L | 241.9 mg/L | 20:13:18 |
| 2 | Mn | 257.610† | 4929.3 | 3728.2 | 0.0057 mg/L | 0.0057 mg/L | 20:13:23 |
| 2 | Mo | 202.031† | -11.7 | -92.3 | -0.0031 mg/L | -0.0031 mg/L | 20:13:43 |
| 2 | Na | 330.237† | 1420.5 | -62.5 | 0.8333 mg/L | 0.8333 mg/L | 20:13:23 |
| 2 | Ni | 231.604† | 3838.6 | -233.9 | -0.0047 mg/L | -0.0047 mg/L | 20:13:43 |
| 2 | Pb | 220.353† | -86.3 | -135.0 | -0.0018 mg/L | -0.0018 mg/L | 20:13:43 |
| 2 | Sb | 206.836† | 18.1 | -33.4 | -0.0107 mg/L | -0.0107 mg/L | 20:13:43 |
| 2 | Se | 196.026† | -41.5 | -26.0 | -0.0470 mg/L | -0.0470 mg/L | 20:13:43 |
| 2 | Sn | 189.927† | 101.7 | -86.5 | -0.0324 mg/L | -0.0324 mg/L | 20:13:43 |
| 2 | Ti | 337.279† | 3506.0 | 3231.5 | 0.0045 mg/L | 0.0045 mg/L | 20:13:23 |
| 2 | Tl | 190.801† | -44.1 | -26.8 | -0.0252 mg/L | -0.0252 mg/L | 20:13:43 |
| 2 | V | 292.402† | 1127.4 | -1126.2 | -0.0055 mg/L | -0.0055 mg/L | 20:13:23 |
| 2 | Zn | 213.857† | 3475.6 | 2479.4 | 0.0296 mg/L | 0.0296 mg/L | 20:13:43 |

Mean Data: ICSA

| Analyte | Mean Corrected Intensity | Calib Conc. Units | Std.Dev. | Sample Conc. Units | Std.Dev. | RSD |
|---|--------------------------|-------------------|----------|--------------------|----------|--------|
| Y 360.073 | 1956186.9 | 0.982 mg/L | 0.0047 | | | 0.48% |
| Ag 328.068† | 259.7 | 0.0017 mg/L | 0.00004 | 0.0017 mg/L | 0.00004 | 2.40% |
| QC value within limits for Ag 328.068 Recovery = Not calculated | | | | | | |
| Al 237.313† | 1694906.4 | 244.2 mg/L | 0.10 | 244.2 mg/L | 0.10 | 0.04% |
| QC value within limits for Al 237.313 Recovery = 97.66% | | | | | | |
| As 188.979† | 2.8 | 0.0064 mg/L | 0.00185 | 0.0064 mg/L | 0.00185 | 29.00% |
| QC value within limits for As 188.979 Recovery = Not calculated | | | | | | |
| B 182.528† | 16.0 | 0.0205 mg/L | 0.00818 | 0.0205 mg/L | 0.00818 | 39.97% |
| QC value within limits for B 182.528 Recovery = Not calculated | | | | | | |
| Ba 233.527† | 694.3 | 0.0029 mg/L | 0.00010 | 0.0029 mg/L | 0.00010 | 3.31% |
| QC value within limits for Ba 233.527 Recovery = Not calculated | | | | | | |
| Be 313.107† | -2490.4 | -0.0003 mg/L | 0.00002 | -0.0003 mg/L | 0.00002 | 5.24% |
| QC value within limits for Be 313.107 Recovery = Not calculated | | | | | | |
| Ca 315.886† | 26731911.4 | 243.3 mg/L | 0.53 | 243.3 mg/L | 0.53 | 0.22% |
| QC value within limits for Ca 315.886 Recovery = 97.30% | | | | | | |
| Cd 228.802† | 123.5 | 0.0005 mg/L | 0.00003 | 0.0005 mg/L | 0.00003 | 6.81% |
| QC value within limits for Cd 228.802 Recovery = Not calculated | | | | | | |
| Co 228.616† | 34.5 | -0.0009 mg/L | 0.00027 | -0.0009 mg/L | 0.00027 | 30.29% |
| QC value within limits for Co 228.616 Recovery = Not calculated | | | | | | |
| Cr 267.716† | -24.7 | 0.0047 mg/L | 0.00054 | 0.0047 mg/L | 0.00054 | 11.46% |
| QC value within limits for Cr 267.716 Recovery = Not calculated | | | | | | |
| Cu 324.752† | -873.2 | -0.0024 mg/L | 0.00011 | -0.0024 mg/L | 0.00011 | 4.46% |

| | | | | | | | |
|-------------------------------|----------|-----------|--------------|---------------------------|--------------|---------|--------|
| Fe | 238.204† | 9226201.0 | 88.37 mg/L | 0.229 | 88.37 mg/L | 0.229 | 0.26% |
| QC value within limits for Fe | 238.204 | | | Recovery = 88.37% | | | |
| Fe | 234.349† | 2811684.4 | 93.17 mg/L | 0.002 | 93.17 mg/L | 0.002 | 0.00% |
| QC value within limits for Fe | 234.349 | | | Recovery = 93.17% | | | |
| Mg | 279.077† | 3968562.3 | 241.8 mg/L | 0.12 | 241.8 mg/L | 0.12 | 0.05% |
| QC value within limits for Mg | 279.077 | | | Recovery = 96.72% | | | |
| Mn | 257.610† | 3764.3 | 0.0057 mg/L | 0.00006 | 0.0057 mg/L | 0.00006 | 1.03% |
| QC value within limits for Mn | 257.610 | | | Recovery = Not calculated | | | |
| Mo | 202.031† | -97.6 | -0.0036 mg/L | 0.00079 | -0.0036 mg/L | 0.00079 | 21.83% |
| QC value within limits for Mo | 202.031 | | | Recovery = Not calculated | | | |
| Na | 330.237† | -56.4 | 0.8417 mg/L | 0.01187 | 0.8417 mg/L | 0.01187 | 1.41% |
| QC value within limits for Na | 330.237 | | | Recovery = Not calculated | | | |
| Ni | 231.604† | -172.5 | -0.0033 mg/L | 0.00205 | -0.0033 mg/L | 0.00205 | 62.63% |
| QC value within limits for Ni | 231.604 | | | Recovery = Not calculated | | | |
| Pb | 220.353† | -146.6 | -0.0034 mg/L | 0.00223 | -0.0034 mg/L | 0.00223 | 65.55% |
| QC value within limits for Pb | 220.353 | | | Recovery = Not calculated | | | |
| Sb | 206.836† | -30.8 | -0.0099 mg/L | 0.00115 | -0.0099 mg/L | 0.00115 | 11.66% |
| QC value within limits for Sb | 206.836 | | | Recovery = Not calculated | | | |
| Se | 196.026† | -25.4 | -0.0460 mg/L | 0.00137 | -0.0460 mg/L | 0.00137 | 2.99% |
| QC value within limits for Se | 196.026 | | | Recovery = Not calculated | | | |
| Sn | 189.927† | -85.5 | -0.0320 mg/L | 0.00063 | -0.0320 mg/L | 0.00063 | 1.98% |
| QC value within limits for Sn | 189.927 | | | Recovery = Not calculated | | | |
| Ti | 337.279† | 3256.6 | 0.0045 mg/L | 0.00006 | 0.0045 mg/L | 0.00006 | 1.42% |
| QC value within limits for Ti | 337.279 | | | Recovery = Not calculated | | | |
| Tl | 190.801† | -32.5 | -0.0310 mg/L | 0.00822 | -0.0310 mg/L | 0.00822 | 26.55% |
| QC value within limits for Tl | 190.801 | | | Recovery = Not calculated | | | |
| V | 292.402† | -1138.6 | -0.0056 mg/L | 0.00009 | -0.0056 mg/L | 0.00009 | 1.64% |
| QC value within limits for V | 292.402 | | | Recovery = Not calculated | | | |
| Zn | 213.857† | 2491.5 | 0.0297 mg/L | 0.00021 | 0.0297 mg/L | 0.00021 | 0.69% |
| QC value within limits for Zn | 213.857 | | | Recovery = Not calculated | | | |

All analyte(s) passed QC.

Sequence No.: 12
 Sample ID: ICSAB
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 105
 Date Collected: 8/14/2006 8:15:22 PM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Replicate Data: ICSAB

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. Units | Sample Conc. Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------------------|--------------------|---------------|
| 1 | Y 360.073 | 1958732.7 | 1958732.7 | 0.983 mg/L | | 20:17:10 |
| 1 | Ag 328.068† | 141983.3 | 143948.6 | 0.5190 mg/L | 0.5190 mg/L | 20:17:16 |
| 1 | Al 237.313† | 1661780.0 | 1690803.7 | 243.6 mg/L | 243.6 mg/L | 20:17:10 |
| 1 | As 188.979† | -7.3 | 1.8 | 0.0045 mg/L | 0.0045 mg/L | 20:17:36 |
| 1 | B 182.528† | 1.6 | 23.3 | 0.0281 mg/L | 0.0281 mg/L | 20:17:36 |
| 1 | Ba 233.527† | 37582.6 | 38016.4 | 0.2483 mg/L | 0.2483 mg/L | 20:17:16 |
| 1 | Be 313.107† | 1107285.3 | 1123319.8 | 0.2520 mg/L | 0.2520 mg/L | 20:17:10 |
| 1 | Ca 315.886† | 26243457.1 | 26697770.3 | 242.9 mg/L | 242.9 mg/L | 20:17:02 |
| 1 | Cd 228.802† | 31678.4 | 31683.3 | 0.4551 mg/L | 0.4551 mg/L | 20:17:16 |
| 1 | Co 228.616† | 12904.2 | 13292.4 | 0.2328 mg/L | 0.2328 mg/L | 20:17:16 |
| 1 | Cr 267.716† | 28644.8 | 27699.6 | 0.2504 mg/L | 0.2504 mg/L | 20:17:16 |
| 1 | Cu 324.752† | 50280.0 | 49047.1 | 0.2343 mg/L | 0.2343 mg/L | 20:17:16 |
| 1 | Fe 238.204† | 9051734.4 | 9207196.6 | 88.19 mg/L | 88.19 mg/L | 20:17:02 |
| 1 | Fe 234.349† | 2752136.9 | 2799099.8 | 92.75 mg/L | 92.75 mg/L | 20:17:10 |
| 1 | Mg 279.077† | 3881868.3 | 3949837.7 | 240.7 mg/L | 240.7 mg/L | 20:17:10 |
| 1 | Mn 257.610† | 209424.0 | 211770.8 | 0.2459 mg/L | 0.2459 mg/L | 20:17:16 |
| 1 | Mo 202.031† | -7.5 | -88.0 | -0.0025 mg/L | -0.0025 mg/L | 20:17:36 |
| 1 | Na 330.237† | 1363.9 | -117.1 | 0.7246 mg/L | 0.7246 mg/L | 20:17:16 |
| 1 | Ni 231.604† | 23652.1 | 19930.4 | 0.4713 mg/L | 0.4713 mg/L | 20:17:16 |
| 1 | Pb 220.353† | 3338.8 | 3349.3 | 0.4695 mg/L | 0.4695 mg/L | 20:17:36 |
| 1 | Sb 206.836† | 26.9 | -24.4 | -0.0109 mg/L | -0.0109 mg/L | 20:17:36 |
| 1 | Se 196.026† | -38.6 | -23.2 | -0.0418 mg/L | -0.0418 mg/L | 20:17:36 |
| 1 | Sn 189.927† | 76.8 | -111.6 | -0.0441 mg/L | -0.0441 mg/L | 20:17:36 |
| 1 | Ti 337.279† | 3498.7 | 3231.4 | 0.0045 mg/L | 0.0045 mg/L | 20:17:16 |
| 1 | Tl 190.801† | -52.2 | -35.1 | -0.0344 mg/L | -0.0344 mg/L | 20:17:36 |
| 1 | V 292.402† | 45310.4 | 43823.5 | 0.2404 mg/L | 0.2404 mg/L | 20:17:16 |
| 1 | Zn 213.857† | 38510.1 | 38127.3 | 0.4839 mg/L | 0.4839 mg/L | 20:17:16 |

| | | | | | | |
|---|-------------|------------|------------|--------------|--------------|----------|
| 2 | Y 360.073 | 1951568.1 | 1951568.1 | 0.979 mg/L | | 20:17:56 |
| 2 | Ag 328.068† | 140371.7 | 142833.3 | 0.5150 mg/L | 0.5150 mg/L | 20:18:02 |
| 2 | Al 237.313† | 1659169.7 | 1694344.7 | 244.1 mg/L | 244.1 mg/L | 20:17:56 |
| 2 | As 188.979† | -13.2 | -4.2 | -0.0051 mg/L | -0.0051 mg/L | 20:18:22 |
| 2 | B 182.528† | -2.6 | 19.1 | 0.0237 mg/L | 0.0237 mg/L | 20:18:22 |
| 2 | Ba 233.527† | 37143.4 | 37708.3 | 0.2463 mg/L | 0.2463 mg/L | 20:18:02 |
| 2 | Be 313.107† | 1105044.1 | 1125166.9 | 0.2524 mg/L | 0.2524 mg/L | 20:17:56 |
| 2 | Ca 315.886† | 26122628.5 | 26672411.4 | 242.7 mg/L | 242.7 mg/L | 20:17:48 |
| 2 | Cd 228.802† | 31395.7 | 31513.0 | 0.4527 mg/L | 0.4527 mg/L | 20:18:02 |
| 2 | Co 228.616† | 12711.2 | 13143.5 | 0.2301 mg/L | 0.2301 mg/L | 20:18:02 |
| 2 | Cr 267.716† | 28305.5 | 27460.1 | 0.2483 mg/L | 0.2483 mg/L | 20:18:02 |
| 2 | Cu 324.752† | 49947.0 | 48894.8 | 0.2335 mg/L | 0.2335 mg/L | 20:18:02 |
| 2 | Fe 238.204† | 9020359.3 | 9208966.9 | 88.20 mg/L | 88.20 mg/L | 20:17:48 |
| 2 | Fe 234.349† | 2746751.6 | 2803879.6 | 92.90 mg/L | 92.90 mg/L | 20:17:56 |
| 2 | Mg 279.077† | 3875606.8 | 3957942.2 | 241.2 mg/L | 241.2 mg/L | 20:17:56 |
| 2 | Mn 257.610† | 206836.4 | 209911.0 | 0.2438 mg/L | 0.2438 mg/L | 20:18:02 |
| 2 | Mo 202.031† | -2.3 | -82.7 | -0.0019 mg/L | -0.0019 mg/L | 20:18:22 |
| 2 | Na 330.237† | 1398.0 | -77.1 | 0.7811 mg/L | 0.7811 mg/L | 20:18:02 |
| 2 | Ni 231.604† | 23499.3 | 19862.7 | 0.4697 mg/L | 0.4697 mg/L | 20:18:02 |
| 2 | Pb 220.353† | 3344.8 | 3367.8 | 0.4720 mg/L | 0.4720 mg/L | 20:18:22 |
| 2 | Sb 206.836† | 21.3 | -30.0 | -0.0126 mg/L | -0.0126 mg/L | 20:18:22 |
| 2 | Se 196.026† | -46.8 | -31.6 | -0.0574 mg/L | -0.0574 mg/L | 20:18:22 |
| 2 | Sn 189.927† | 92.2 | -95.6 | -0.0366 mg/L | -0.0366 mg/L | 20:18:22 |
| 2 | Ti 337.279† | 3442.5 | 3187.1 | 0.0044 mg/L | 0.0044 mg/L | 20:18:02 |
| 2 | Tl 190.801† | -56.0 | -39.1 | -0.0385 mg/L | -0.0385 mg/L | 20:18:22 |
| 2 | V 292.402† | 44864.3 | 43537.2 | 0.2388 mg/L | 0.2388 mg/L | 20:18:02 |
| 2 | Zn 213.857† | 38302.5 | 38059.2 | 0.4830 mg/L | 0.4830 mg/L | 20:18:02 |

Mean Data: ICSAB

| Analyte | Mean Corrected Intensity | Calib Conc. Units | Std.Dev. | Sample Conc. Units | Std.Dev. | RSD |
|-------------|---|-------------------|----------|--------------------|----------|---------|
| Y 360.073 | 1955150.4 | 0.981 mg/L | 0.0025 | | | 0.26% |
| Ag 328.068† | 143391.0 | 0.5170 mg/L | 0.00284 | 0.5170 mg/L | 0.00284 | 0.55% |
| Ag | QC value within limits for Ag 328.068 Recovery = 103.40% | | | | | |
| Al 237.313† | 1692574.2 | 243.8 mg/L | 0.36 | 243.8 mg/L | 0.36 | 0.15% |
| Al | QC value within limits for Al 237.313 Recovery = 97.53% | | | | | |
| As 188.979† | -1.2 | -0.0003 mg/L | 0.00680 | -0.0003 mg/L | 0.00680 | >999.9% |
| As | QC value within limits for As 188.979 Recovery = Not calculated | | | | | |
| B 182.528† | 21.2 | 0.0259 mg/L | 0.00313 | 0.0259 mg/L | 0.00313 | 12.08% |
| B | QC value within limits for B 182.528 Recovery = Not calculated | | | | | |
| Ba 233.527† | 37862.4 | 0.2473 mg/L | 0.00143 | 0.2473 mg/L | 0.00143 | 0.58% |
| Ba | QC value within limits for Ba 233.527 Recovery = 98.92% | | | | | |
| Be 313.107† | 1124243.3 | 0.2522 mg/L | 0.00029 | 0.2522 mg/L | 0.00029 | 0.12% |
| Be | QC value within limits for Be 313.107 Recovery = 100.88% | | | | | |
| Ca 315.886† | 26685090.9 | 242.8 mg/L | 0.16 | 242.8 mg/L | 0.16 | 0.07% |
| Ca | QC value within limits for Ca 315.886 Recovery = 97.13% | | | | | |
| Cd 228.802† | 31598.2 | 0.4539 mg/L | 0.00172 | 0.4539 mg/L | 0.00172 | 0.38% |
| Cd | QC value within limits for Cd 228.802 Recovery = 90.78% | | | | | |
| Co 228.616† | 13218.0 | 0.2314 mg/L | 0.00186 | 0.2314 mg/L | 0.00186 | 0.80% |
| Co | QC value within limits for Co 228.616 Recovery = 92.58% | | | | | |
| Cr 267.716† | 27579.8 | 0.2493 mg/L | 0.00149 | 0.2493 mg/L | 0.00149 | 0.60% |
| Cr | QC value within limits for Cr 267.716 Recovery = 99.74% | | | | | |
| Cu 324.752† | 48970.9 | 0.2339 mg/L | 0.00051 | 0.2339 mg/L | 0.00051 | 0.22% |
| Cu | QC value within limits for Cu 324.752 Recovery = 93.56% | | | | | |
| Fe 238.204† | 9208081.7 | 88.20 mg/L | 0.012 | 88.20 mg/L | 0.012 | 0.01% |
| Fe | QC value within limits for Fe 238.204 Recovery = 88.20% | | | | | |
| Fe 234.349† | 2801489.7 | 92.82 mg/L | 0.112 | 92.82 mg/L | 0.112 | 0.12% |
| Fe | QC value within limits for Fe 234.349 Recovery = 92.82% | | | | | |
| Mg 279.077† | 3953889.9 | 240.9 mg/L | 0.35 | 240.9 mg/L | 0.35 | 0.14% |
| Mg | QC value within limits for Mg 279.077 Recovery = 96.36% | | | | | |
| Mn 257.610† | 210840.9 | 0.2448 mg/L | 0.00151 | 0.2448 mg/L | 0.00151 | 0.62% |
| Mn | QC value within limits for Mn 257.610 Recovery = 97.93% | | | | | |
| Mo 202.031† | -85.3 | -0.0022 mg/L | 0.00040 | -0.0022 mg/L | 0.00040 | 18.00% |
| Mo | QC value within limits for Mo 202.031 Recovery = Not calculated | | | | | |
| Na 330.237† | -97.1 | 0.7528 mg/L | 0.03991 | 0.7528 mg/L | 0.03991 | 5.30% |
| Na | QC value within limits for Na 330.237 Recovery = Not calculated | | | | | |
| Ni 231.604† | 19896.5 | 0.4705 mg/L | 0.00113 | 0.4705 mg/L | 0.00113 | 0.24% |
| Ni | QC value within limits for Ni 231.604 Recovery = 94.10% | | | | | |
| Pb 220.353† | 3358.5 | 0.4708 mg/L | 0.00179 | 0.4708 mg/L | 0.00179 | 0.38% |
| Pb | QC value within limits for Pb 220.353 Recovery = 94.15% | | | | | |

| | | | | | | |
|---|---------|--------------|---------|--------------|---------|--------|
| Sb 206.836† | -27.2 | -0.0117 mg/L | 0.00124 | -0.0117 mg/L | 0.00124 | 10.60% |
| QC value within limits for Sb 206.836 Recovery = Not calculated | | | | | | |
| Se 196.026† | -27.4 | -0.0496 mg/L | 0.01103 | -0.0496 mg/L | 0.01103 | 22.24% |
| QC value within limits for Se 196.026 Recovery = Not calculated | | | | | | |
| Sn 189.927† | -103.6 | -0.0403 mg/L | 0.00524 | -0.0403 mg/L | 0.00524 | 12.99% |
| QC value within limits for Sn 189.927 Recovery = Not calculated | | | | | | |
| Ti 337.279† | 3209.3 | 0.0045 mg/L | 0.00006 | 0.0045 mg/L | 0.00006 | 1.28% |
| QC value within limits for Ti 337.279 Recovery = Not calculated | | | | | | |
| Tl 190.801† | -37.1 | -0.0364 mg/L | 0.00292 | -0.0364 mg/L | 0.00292 | 8.00% |
| QC value within limits for Tl 190.801 Recovery = Not calculated | | | | | | |
| V 292.402† | 43680.4 | 0.2396 mg/L | 0.00111 | 0.2396 mg/L | 0.00111 | 0.46% |
| QC value within limits for V 292.402 Recovery = 95.83% | | | | | | |
| Zn 213.857† | 38093.2 | 0.4834 mg/L | 0.00061 | 0.4834 mg/L | 0.00061 | 0.13% |
| QC value within limits for Zn 213.857 Recovery = 96.69% | | | | | | |

All analyte(s) passed QC.

Sequence No.: 13
 Sample ID: CCV
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 3
 Date Collected: 8/14/2006 8:20:00 PM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Replicate Data: CCV

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. Units | Sample Conc. Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------------------|--------------------|---------------|
| 1 | Y 360.073 | 2013935.6 | 2013935.6 | 1.01 mg/L | | 20:21:33 |
| 1 | Ag 328.068† | 70349.9 | 69114.3 | 0.2497 mg/L | 0.2497 mg/L | 20:21:39 |
| 1 | Al 237.313† | 17130.5 | 17225.2 | 2.476 mg/L | 2.476 mg/L | 20:21:39 |
| 1 | As 188.979† | 310.5 | 316.5 | 0.5088 mg/L | 0.5088 mg/L | 20:21:59 |
| 1 | B 182.528† | 463.3 | 480.2 | 0.5045 mg/L | 0.5045 mg/L | 20:21:59 |
| 1 | Ba 233.527† | 78595.5 | 77547.2 | 0.5083 mg/L | 0.5083 mg/L | 20:21:39 |
| 1 | Be 313.107† | 231241.4 | 225672.9 | 0.0506 mg/L | 0.0506 mg/L | 20:21:33 |
| 1 | Ca 315.886† | 565311.0 | 559646.1 | 5.081 mg/L | 5.081 mg/L | 20:21:33 |
| 1 | Cd 228.802† | 18345.8 | 17608.5 | 0.2523 mg/L | 0.2523 mg/L | 20:21:39 |
| 1 | Co 228.616† | 29032.0 | 28889.7 | 0.5069 mg/L | 0.5069 mg/L | 20:21:39 |
| 1 | Cr 267.716† | 58966.8 | 56901.9 | 0.5047 mg/L | 0.5047 mg/L | 20:21:39 |
| 1 | Cu 324.752† | 107265.5 | 104027.3 | 0.4951 mg/L | 0.4951 mg/L | 20:21:39 |
| 1 | Fe 238.204† | 268345.7 | 264378.4 | 2.533 mg/L | 2.533 mg/L | 20:21:39 |
| 1 | Fe 234.349† | 78537.6 | 77059.1 | 2.541 mg/L | 2.541 mg/L | 20:21:39 |
| 1 | Mg 279.077† | 83454.5 | 83386.9 | 5.080 mg/L | 5.080 mg/L | 20:21:39 |
| 1 | Mn 257.610† | 446976.9 | 440969.5 | 0.5075 mg/L | 0.5075 mg/L | 20:21:33 |
| 1 | Mo 202.031† | 4990.5 | 4857.4 | 0.5041 mg/L | 0.5041 mg/L | 20:21:59 |
| 1 | Na 330.237† | 18540.5 | 16839.6 | 24.03 mg/L | 24.03 mg/L | 20:21:39 |
| 1 | Ni 231.604† | 25955.9 | 21550.3 | 0.5093 mg/L | 0.5093 mg/L | 20:21:39 |
| 1 | Pb 220.353† | 3838.5 | 3750.6 | 0.5094 mg/L | 0.5094 mg/L | 20:21:59 |
| 1 | Sb 206.836† | 1657.5 | 1588.2 | 0.4969 mg/L | 0.4969 mg/L | 20:21:59 |
| 1 | Se 196.026† | 533.4 | 543.9 | 1.007 mg/L | 1.007 mg/L | 20:21:59 |
| 1 | Sn 189.927† | 1237.7 | 1034.9 | 0.4882 mg/L | 0.4882 mg/L | 20:21:59 |
| 1 | Ti 337.279† | 278545.7 | 275269.4 | 0.4987 mg/L | 0.4987 mg/L | 20:21:33 |
| 1 | Tl 190.801† | 470.0 | 483.1 | 0.4944 mg/L | 0.4944 mg/L | 20:21:59 |
| 1 | V 292.402† | 95720.4 | 92436.4 | 0.5058 mg/L | 0.5058 mg/L | 20:21:39 |
| 1 | Zn 213.857† | 41255.9 | 39770.2 | 0.5050 mg/L | 0.5050 mg/L | 20:21:39 |
| 2 | Y 360.073 | 2009798.0 | 2009798.0 | 1.01 mg/L | | 20:22:06 |
| 2 | Ag 328.068† | 70254.9 | 69163.5 | 0.2499 mg/L | 0.2499 mg/L | 20:22:11 |
| 2 | Al 237.313† | 17050.9 | 17181.1 | 2.469 mg/L | 2.469 mg/L | 20:22:11 |
| 2 | As 188.979† | 308.3 | 314.9 | 0.5063 mg/L | 0.5063 mg/L | 20:22:32 |
| 2 | B 182.528† | 458.6 | 476.4 | 0.5006 mg/L | 0.5006 mg/L | 20:22:32 |
| 2 | Ba 233.527† | 78427.7 | 77540.9 | 0.5082 mg/L | 0.5082 mg/L | 20:22:11 |
| 2 | Be 313.107† | 230840.6 | 225746.5 | 0.0506 mg/L | 0.0506 mg/L | 20:22:06 |
| 2 | Ca 315.886† | 564332.5 | 559827.5 | 5.083 mg/L | 5.083 mg/L | 20:22:06 |
| 2 | Cd 228.802† | 18294.8 | 17595.4 | 0.2521 mg/L | 0.2521 mg/L | 20:22:11 |
| 2 | Co 228.616† | 28987.5 | 28904.7 | 0.5071 mg/L | 0.5071 mg/L | 20:22:11 |
| 2 | Cr 267.716† | 58875.9 | 56931.8 | 0.5050 mg/L | 0.5050 mg/L | 20:22:11 |
| 2 | Cu 324.752† | 107284.9 | 104265.1 | 0.4962 mg/L | 0.4962 mg/L | 20:22:11 |
| 2 | Fe 238.204† | 267920.8 | 264503.8 | 2.534 mg/L | 2.534 mg/L | 20:22:11 |
| 2 | Fe 234.349† | 78398.3 | 77081.0 | 2.542 mg/L | 2.542 mg/L | 20:22:11 |
| 2 | Mg 279.077† | 83363.2 | 83466.4 | 5.085 mg/L | 5.085 mg/L | 20:22:11 |
| 2 | Mn 257.610† | 445833.9 | 440746.6 | 0.5072 mg/L | 0.5072 mg/L | 20:22:06 |
| 2 | Mo 202.031† | 4985.7 | 4862.8 | 0.5047 mg/L | 0.5047 mg/L | 20:22:32 |

| | | | | | | |
|---|-------------|----------|----------|-------------|-------------|----------|
| 2 | Na 330.237† | 18474.9 | 16812.4 | 23.99 mg/L | 23.99 mg/L | 20:22:11 |
| 2 | Ni 231.604† | 25880.8 | 21528.6 | 0.5088 mg/L | 0.5088 mg/L | 20:22:11 |
| 2 | Pb 220.353† | 3825.5 | 3745.5 | 0.5087 mg/L | 0.5087 mg/L | 20:22:32 |
| 2 | Sb 206.836† | 1662.7 | 1596.8 | 0.4996 mg/L | 0.4996 mg/L | 20:22:32 |
| 2 | Se 196.026† | 533.5 | 545.1 | 1.009 mg/L | 1.009 mg/L | 20:22:32 |
| 2 | Sn 189.927† | 1233.9 | 1033.7 | 0.4876 mg/L | 0.4876 mg/L | 20:22:32 |
| 2 | Ti 337.279† | 278838.7 | 276127.3 | 0.5003 mg/L | 0.5003 mg/L | 20:22:06 |
| 2 | Tl 190.801† | 477.3 | 491.2 | 0.5027 mg/L | 0.5027 mg/L | 20:22:32 |
| 2 | V 292.402† | 95464.2 | 92377.5 | 0.5054 mg/L | 0.5054 mg/L | 20:22:11 |
| 2 | Zn 213.857† | 41238.5 | 39836.9 | 0.5059 mg/L | 0.5059 mg/L | 20:22:11 |

Mean Data: CCV

| Analyte | Mean Corrected Intensity | Calib Conc. Units | Std.Dev. | Sample Conc. Units | Std.Dev. | RSD |
|---------------------------------------|--------------------------|--------------------|----------|--------------------|----------|-------|
| Y 360.073 | 2011866.8 | 1.01 mg/L | 0.001 | | | 0.15% |
| Ag 328.068† | 69138.9 | 0.2498 mg/L | 0.00013 | 0.2498 mg/L | 0.00013 | 0.05% |
| QC value within limits for Ag 328.068 | | Recovery = 99.91% | | | | |
| Al 237.313† | 17203.2 | 2.472 mg/L | 0.0045 | 2.472 mg/L | 0.0045 | 0.18% |
| QC value within limits for Al 237.313 | | Recovery = 98.90% | | | | |
| As 188.979† | 315.7 | 0.5076 mg/L | 0.00176 | 0.5076 mg/L | 0.00176 | 0.35% |
| QC value within limits for As 188.979 | | Recovery = 101.52% | | | | |
| B 182.528† | 478.3 | 0.5025 mg/L | 0.00279 | 0.5025 mg/L | 0.00279 | 0.56% |
| QC value within limits for B 182.528 | | Recovery = 100.51% | | | | |
| Ba 233.527† | 77544.0 | 0.5082 mg/L | 0.00003 | 0.5082 mg/L | 0.00003 | 0.01% |
| QC value within limits for Ba 233.527 | | Recovery = 101.65% | | | | |
| Be 313.107† | 225709.7 | 0.0506 mg/L | 0.00001 | 0.0506 mg/L | 0.00001 | 0.02% |
| QC value within limits for Be 313.107 | | Recovery = 101.15% | | | | |
| Ca 315.886† | 559736.8 | 5.082 mg/L | 0.0012 | 5.082 mg/L | 0.0012 | 0.02% |
| QC value within limits for Ca 315.886 | | Recovery = 101.64% | | | | |
| Cd 228.802† | 17601.9 | 0.2522 mg/L | 0.00013 | 0.2522 mg/L | 0.00013 | 0.05% |
| QC value within limits for Cd 228.802 | | Recovery = 100.89% | | | | |
| Co 228.616† | 28897.2 | 0.5070 mg/L | 0.00019 | 0.5070 mg/L | 0.00019 | 0.04% |
| QC value within limits for Co 228.616 | | Recovery = 101.40% | | | | |
| Cr 267.716† | 56916.9 | 0.5048 mg/L | 0.00019 | 0.5048 mg/L | 0.00019 | 0.04% |
| QC value within limits for Cr 267.716 | | Recovery = 100.96% | | | | |
| Cu 324.752† | 104146.2 | 0.4956 mg/L | 0.00080 | 0.4956 mg/L | 0.00080 | 0.16% |
| QC value within limits for Cu 324.752 | | Recovery = 99.13% | | | | |
| Fe 238.204† | 264441.1 | 2.533 mg/L | 0.0008 | 2.533 mg/L | 0.0008 | 0.03% |
| QC value within limits for Fe 238.204 | | Recovery = 101.33% | | | | |
| Fe 234.349† | 77070.1 | 2.542 mg/L | 0.0005 | 2.542 mg/L | 0.0005 | 0.02% |
| QC value within limits for Fe 234.349 | | Recovery = 101.66% | | | | |
| Mg 279.077† | 83426.7 | 5.082 mg/L | 0.0034 | 5.082 mg/L | 0.0034 | 0.07% |
| QC value within limits for Mg 279.077 | | Recovery = 101.65% | | | | |
| Mn 257.610† | 440858.0 | 0.5073 mg/L | 0.00018 | 0.5073 mg/L | 0.00018 | 0.04% |
| QC value within limits for Mn 257.610 | | Recovery = 101.47% | | | | |
| Mo 202.031† | 4860.1 | 0.5044 mg/L | 0.00039 | 0.5044 mg/L | 0.00039 | 0.08% |
| QC value within limits for Mo 202.031 | | Recovery = 100.88% | | | | |
| Na 330.237† | 16826.0 | 24.01 mg/L | 0.027 | 24.01 mg/L | 0.027 | 0.11% |
| QC value within limits for Na 330.237 | | Recovery = 96.04% | | | | |
| Ni 231.604† | 21539.4 | 0.5091 mg/L | 0.00036 | 0.5091 mg/L | 0.00036 | 0.07% |
| QC value within limits for Ni 231.604 | | Recovery = 101.82% | | | | |
| Pb 220.353† | 3748.0 | 0.5091 mg/L | 0.00048 | 0.5091 mg/L | 0.00048 | 0.09% |
| QC value within limits for Pb 220.353 | | Recovery = 101.81% | | | | |
| Sb 206.836† | 1592.5 | 0.4983 mg/L | 0.00191 | 0.4983 mg/L | 0.00191 | 0.38% |
| QC value within limits for Sb 206.836 | | Recovery = 99.65% | | | | |
| Se 196.026† | 544.5 | 1.008 mg/L | 0.0015 | 1.008 mg/L | 0.0015 | 0.15% |
| QC value within limits for Se 196.026 | | Recovery = 100.82% | | | | |
| Sn 189.927† | 1034.3 | 0.4879 mg/L | 0.00040 | 0.4879 mg/L | 0.00040 | 0.08% |
| QC value within limits for Sn 189.927 | | Recovery = 97.58% | | | | |
| Ti 337.279† | 275698.4 | 0.4995 mg/L | 0.00110 | 0.4995 mg/L | 0.00110 | 0.22% |
| QC value within limits for Ti 337.279 | | Recovery = 99.90% | | | | |
| Tl 190.801† | 487.1 | 0.4986 mg/L | 0.00587 | 0.4986 mg/L | 0.00587 | 1.18% |
| QC value within limits for Tl 190.801 | | Recovery = 99.71% | | | | |
| V 292.402† | 92407.0 | 0.5056 mg/L | 0.00023 | 0.5056 mg/L | 0.00023 | 0.04% |
| QC value within limits for V 292.402 | | Recovery = 101.12% | | | | |
| Zn 213.857† | 39803.6 | 0.5054 mg/L | 0.00061 | 0.5054 mg/L | 0.00061 | 0.12% |
| QC value within limits for Zn 213.857 | | Recovery = 101.09% | | | | |

All analyte(s) passed QC.
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Sequence No.: 14
 Sample ID: ICCB
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 1
 Date Collected: 8/14/2006 8:24:09 PM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Replicate Data: ICCB

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. Units | Sample Conc. Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------------------|--------------------|---------------|
| 1 | Y 360.073 | 1993182.0 | 1993182.0 | 1.00 mg/L | | 20:25:41 |
| 1 | Ag 328.068† | 478.8 | -12.2 | 0.0008 mg/L | 0.0008 mg/L | 20:25:46 |
| 1 | Al 237.313† | -253.7 | 22.4 | 0.0103 mg/L | 0.0103 mg/L | 20:26:06 |
| 1 | As 188.979† | -10.3 | -1.0 | 0.0002 mg/L | 0.0002 mg/L | 20:26:06 |
| 1 | B 182.528† | -20.1 | 1.6 | 0.0055 mg/L | 0.0055 mg/L | 20:26:06 |
| 1 | Ba 233.527† | 215.3 | -1.2 | -0.0017 mg/L | -0.0017 mg/L | 20:26:06 |
| 1 | Be 313.107† | 3301.8 | 180.1 | 0.0000 mg/L | 0.0000 mg/L | 20:25:41 |
| 1 | Ca 315.886† | -242.9 | 76.3 | -0.0113 mg/L | -0.0113 mg/L | 20:25:46 |
| 1 | Cd 228.802† | 584.0 | 40.7 | 0.0012 mg/L | 0.0012 mg/L | 20:26:06 |
| 1 | Co 228.616† | -164.0 | 1.0 | -0.0015 mg/L | -0.0015 mg/L | 20:26:06 |
| 1 | Cr 267.716† | 1464.3 | 23.2 | 0.0005 mg/L | 0.0005 mg/L | 20:25:46 |
| 1 | Cu 324.752† | 2405.7 | 302.3 | 0.0032 mg/L | 0.0032 mg/L | 20:25:46 |
| 1 | Fe 238.204† | 1688.7 | 561.5 | 0.0049 mg/L | 0.0049 mg/L | 20:26:06 |
| 1 | Fe 234.349† | 795.0 | 147.6 | -0.0028 mg/L | -0.0028 mg/L | 20:26:06 |
| 1 | Mg 279.077† | -705.6 | 110.4 | 0.0052 mg/L | 0.0052 mg/L | 20:25:46 |
| 1 | Mn 257.610† | 1317.7 | 41.2 | -0.0017 mg/L | -0.0017 mg/L | 20:25:46 |
| 1 | Mo 202.031† | 87.9 | 7.5 | 0.0008 mg/L | 0.0008 mg/L | 20:26:06 |
| 1 | Na 330.237† | 1589.0 | 84.0 | 0.6569 mg/L | 0.6569 mg/L | 20:25:46 |
| 1 | Ni 231.604† | 3921.6 | -210.4 | -0.0042 mg/L | -0.0042 mg/L | 20:25:46 |
| 1 | Pb 220.353† | 66.8 | 19.5 | 0.0027 mg/L | 0.0027 mg/L | 20:26:06 |
| 1 | Sb 206.836† | 53.4 | 1.6 | 0.0004 mg/L | 0.0004 mg/L | 20:26:06 |
| 1 | Se 196.026† | -15.1 | 1.0 | 0.0029 mg/L | 0.0029 mg/L | 20:26:06 |
| 1 | Sn 189.927† | 128.3 | -61.5 | -0.0208 mg/L | -0.0208 mg/L | 20:26:06 |
| 1 | Ti 337.279† | 430.0 | 102.0 | -0.0012 mg/L | -0.0012 mg/L | 20:25:46 |
| 1 | Tl 190.801† | -17.8 | 0.3 | 0.0023 mg/L | 0.0023 mg/L | 20:26:06 |
| 1 | V 292.402† | 2404.7 | 133.3 | 0.0014 mg/L | 0.0014 mg/L | 20:25:46 |
| 1 | Zn 213.857† | 1183.1 | 133.8 | -0.0006 mg/L | -0.0006 mg/L | 20:26:06 |
| 2 | Y 360.073 | 1979022.0 | 1979022.0 | 0.993 mg/L | | 20:26:12 |
| 2 | Ag 328.068† | 479.2 | -8.5 | 0.0008 mg/L | 0.0008 mg/L | 20:26:17 |
| 2 | Al 237.313† | -265.5 | 8.7 | 0.0084 mg/L | 0.0084 mg/L | 20:26:37 |
| 2 | As 188.979† | -11.2 | -2.0 | -0.0014 mg/L | -0.0014 mg/L | 20:26:37 |
| 2 | B 182.528† | -13.2 | 8.4 | 0.0126 mg/L | 0.0126 mg/L | 20:26:37 |
| 2 | Ba 233.527† | 226.2 | 11.4 | -0.0016 mg/L | -0.0016 mg/L | 20:26:37 |
| 2 | Be 313.107† | 3290.0 | 191.8 | 0.0000 mg/L | 0.0000 mg/L | 20:26:12 |
| 2 | Ca 315.886† | -259.0 | 58.3 | -0.0114 mg/L | -0.0114 mg/L | 20:26:17 |
| 2 | Cd 228.802† | 589.3 | 50.2 | 0.0014 mg/L | 0.0014 mg/L | 20:26:37 |
| 2 | Co 228.616† | -162.5 | 1.4 | -0.0015 mg/L | -0.0015 mg/L | 20:26:37 |
| 2 | Cr 267.716† | 1510.7 | 80.3 | 0.0010 mg/L | 0.0010 mg/L | 20:26:17 |
| 2 | Cu 324.752† | 2353.4 | 266.8 | 0.0030 mg/L | 0.0030 mg/L | 20:26:17 |
| 2 | Fe 238.204† | 1655.3 | 540.0 | 0.0047 mg/L | 0.0047 mg/L | 20:26:37 |
| 2 | Fe 234.349† | 798.1 | 156.4 | -0.0025 mg/L | -0.0025 mg/L | 20:26:37 |
| 2 | Mg 279.077† | -706.8 | 104.1 | 0.0048 mg/L | 0.0048 mg/L | 20:26:17 |
| 2 | Mn 257.610† | 1286.4 | 19.2 | -0.0018 mg/L | -0.0018 mg/L | 20:26:17 |
| 2 | Mo 202.031† | 89.6 | 9.9 | 0.0010 mg/L | 0.0010 mg/L | 20:26:37 |
| 2 | Na 330.237† | 1595.7 | 102.1 | 0.6823 mg/L | 0.6823 mg/L | 20:26:17 |
| 2 | Ni 231.604† | 3974.4 | -129.2 | -0.0023 mg/L | -0.0023 mg/L | 20:26:17 |
| 2 | Pb 220.353† | 55.5 | 8.6 | 0.0012 mg/L | 0.0012 mg/L | 20:26:37 |
| 2 | Sb 206.836† | 48.8 | -2.6 | -0.0009 mg/L | -0.0009 mg/L | 20:26:37 |
| 2 | Se 196.026† | -17.6 | -1.5 | -0.0018 mg/L | -0.0018 mg/L | 20:26:37 |
| 2 | Sn 189.927† | 126.6 | -62.3 | -0.0212 mg/L | -0.0212 mg/L | 20:26:37 |
| 2 | Ti 337.279† | 389.2 | 64.1 | -0.0013 mg/L | -0.0013 mg/L | 20:26:17 |
| 2 | Tl 190.801† | -14.4 | 3.5 | 0.0056 mg/L | 0.0056 mg/L | 20:26:37 |
| 2 | V 292.402† | 2374.8 | 120.4 | 0.0013 mg/L | 0.0013 mg/L | 20:26:17 |
| 2 | Zn 213.857† | 1166.2 | 125.2 | -0.0007 mg/L | -0.0007 mg/L | 20:26:37 |

Mean Data: ICCB

| Analyte | Mean Corrected Intensity | Calib Conc. Units | Std.Dev. | Sample Conc. Units | Std.Dev. | RSD |
|-------------|--------------------------|-------------------|----------|--------------------|----------|-------|
| Y 360.073 | 1986102.0 | 0.997 mg/L | 0.0050 | | | 0.50% |
| Ag 328.068† | -10.4 | 0.0008 mg/L | 0.00001 | 0.0008 mg/L | 0.00001 | 1.24% |

| | | | | | | | |
|----|----------|--------|--------------|---------|--------------|---------|---------|
| Al | 237.313† | 15.5 | 0.0093 mg/L | 0.00140 | 0.0093 mg/L | 0.00140 | 14.94% |
| As | 188.979† | -1.5 | -0.0006 mg/L | 0.00116 | -0.0006 mg/L | 0.00116 | 187.58% |
| B | 182.528† | 5.0 | 0.0090 mg/L | 0.00501 | 0.0090 mg/L | 0.00501 | 55.51% |
| Ba | 233.527† | 5.1 | -0.0016 mg/L | 0.00006 | -0.0016 mg/L | 0.00006 | 3.55% |
| Be | 313.107† | 186.0 | 0.0000 mg/L | 0.00000 | 0.0000 mg/L | 0.00000 | 24.64% |
| Ca | 315.886† | 67.3 | -0.0114 mg/L | 0.00012 | -0.0114 mg/L | 0.00012 | 1.01% |
| Cd | 228.802† | 45.5 | 0.0013 mg/L | 0.00010 | 0.0013 mg/L | 0.00010 | 7.60% |
| Co | 228.616† | 1.2 | -0.0015 mg/L | 0.00000 | -0.0015 mg/L | 0.00000 | 0.29% |
| Cr | 267.716† | 51.7 | 0.0007 mg/L | 0.00036 | 0.0007 mg/L | 0.00036 | 48.73% |
| Cu | 324.752† | 284.6 | 0.0031 mg/L | 0.00012 | 0.0031 mg/L | 0.00012 | 3.82% |
| Fe | 238.204† | 550.7 | 0.0048 mg/L | 0.00015 | 0.0048 mg/L | 0.00015 | 3.02% |
| Fe | 234.349† | 152.0 | -0.0026 mg/L | 0.00019 | -0.0026 mg/L | 0.00019 | 7.32% |
| Mg | 279.077† | 107.3 | 0.0050 mg/L | 0.00027 | 0.0050 mg/L | 0.00027 | 5.46% |
| Mn | 257.610† | 30.2 | -0.0017 mg/L | 0.00002 | -0.0017 mg/L | 0.00002 | 1.03% |
| Mo | 202.031† | 8.7 | 0.0009 mg/L | 0.00018 | 0.0009 mg/L | 0.00018 | 19.75% |
| Na | 330.237† | 93.0 | 0.6696 mg/L | 0.01792 | 0.6696 mg/L | 0.01792 | 2.68% |
| Ni | 231.604† | -169.8 | -0.0032 mg/L | 0.00136 | -0.0032 mg/L | 0.00136 | 42.26% |
| Pb | 220.353† | 14.0 | 0.0019 mg/L | 0.00104 | 0.0019 mg/L | 0.00104 | 54.27% |
| Sb | 206.836† | -0.5 | -0.0003 mg/L | 0.00096 | -0.0003 mg/L | 0.00096 | 352.21% |
| Se | 196.026† | -0.3 | 0.0006 mg/L | 0.00334 | 0.0006 mg/L | 0.00334 | 582.72% |
| Sn | 189.927† | -61.9 | -0.0210 mg/L | 0.00026 | -0.0210 mg/L | 0.00026 | 1.24% |
| Ti | 337.279† | 83.1 | -0.0012 mg/L | 0.00005 | -0.0012 mg/L | 0.00005 | 3.97% |
| Tl | 190.801† | 1.9 | 0.0039 mg/L | 0.00232 | 0.0039 mg/L | 0.00232 | 58.79% |
| V | 292.402† | 126.9 | 0.0013 mg/L | 0.00005 | 0.0013 mg/L | 0.00005 | 3.55% |
| Zn | 213.857† | 129.5 | -0.0006 mg/L | 0.00009 | -0.0006 mg/L | 0.00009 | 13.77% |

All analyte(s) passed QC.

Sequence No.: 15
 Sample ID: BH61418-BLK1
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 9
 Date Collected: 8/14/2006 8:28:14 PM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Replicate Data: BH61418-BLK1

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. Units | Sample Conc. Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------------------|--------------------|---------------|
| 1 | Y 360.073 | 1994346.9 | 1994346.9 | 1.00 mg/L | | 20:29:45 |
| 1 | Ag 328.068† | 637.2 | 145.7 | 0.0013 mg/L | 0.0013 mg/L | 20:29:51 |
| 1 | Al 237.313† | -281.6 | -5.3 | 0.0062 mg/L | 0.0062 mg/L | 20:30:11 |
| 1 | As 188.979† | -11.8 | -2.5 | -0.0022 mg/L | -0.0022 mg/L | 20:30:11 |
| 1 | B 182.528† | -20.2 | 1.5 | 0.0053 mg/L | 0.0053 mg/L | 20:30:11 |
| 1 | Ba 233.527† | 244.8 | 28.2 | -0.0015 mg/L | -0.0015 mg/L | 20:30:11 |
| 1 | Be 313.107† | 3210.8 | 87.2 | 0.0000 mg/L | 0.0000 mg/L | 20:29:45 |

| | | | | | | | |
|---|----|----------|-----------|-----------|--------------|--------------|----------|
| 1 | Ca | 315.886† | 5239.0 | 5553.6 | 0.0386 mg/L | 0.0386 mg/L | 20:29:51 |
| 1 | Cd | 228.802† | 598.2 | 54.6 | 0.0015 mg/L | 0.0015 mg/L | 20:30:11 |
| 1 | Co | 228.616† | -174.9 | -9.8 | -0.0016 mg/L | -0.0016 mg/L | 20:30:11 |
| 1 | Cr | 267.716† | 2039.8 | 597.3 | 0.0056 mg/L | 0.0056 mg/L | 20:29:51 |
| 1 | Cu | 324.752† | 2414.0 | 309.1 | 0.0032 mg/L | 0.0032 mg/L | 20:29:51 |
| 1 | Fe | 238.204† | 3329.5 | 2199.9 | 0.0206 mg/L | 0.0206 mg/L | 20:29:51 |
| 1 | Fe | 234.349† | 1306.3 | 658.0 | 0.0142 mg/L | 0.0142 mg/L | 20:30:11 |
| 1 | Mg | 279.077† | -669.5 | 146.9 | 0.0074 mg/L | 0.0074 mg/L | 20:29:51 |
| 1 | Mn | 257.610† | 1751.7 | 474.1 | -0.0012 mg/L | -0.0012 mg/L | 20:29:51 |
| 1 | Mo | 202.031† | 100.1 | 19.7 | 0.0020 mg/L | 0.0020 mg/L | 20:30:11 |
| 1 | Na | 330.237† | 2682.8 | 1175.9 | 2.180 mg/L | 2.180 mg/L | 20:29:51 |
| 1 | Ni | 231.604† | 3575.0 | -559.0 | -0.0124 mg/L | -0.0124 mg/L | 20:29:51 |
| 1 | Pb | 220.353† | 51.3 | 3.9 | 0.0005 mg/L | 0.0005 mg/L | 20:30:11 |
| 1 | Sb | 206.836† | 51.6 | -0.2 | -0.0002 mg/L | -0.0002 mg/L | 20:30:11 |
| 1 | Se | 196.026† | -15.7 | 0.5 | 0.0019 mg/L | 0.0019 mg/L | 20:30:11 |
| 1 | Sn | 189.927† | 116.0 | -73.8 | -0.0266 mg/L | -0.0266 mg/L | 20:30:11 |
| 1 | Ti | 337.279† | 785.6 | 457.1 | -0.0005 mg/L | -0.0005 mg/L | 20:29:51 |
| 1 | Tl | 190.801† | -11.1 | 6.9 | 0.0091 mg/L | 0.0091 mg/L | 20:30:11 |
| 1 | V | 292.402† | 2452.3 | 179.4 | 0.0016 mg/L | 0.0016 mg/L | 20:29:51 |
| 1 | Zn | 213.857† | 1290.1 | 239.9 | 0.0008 mg/L | 0.0008 mg/L | 20:30:11 |
| 2 | Y | 360.073 | 1994379.3 | 1994379.3 | 1.00 mg/L | 1.00 mg/L | 20:30:17 |
| 2 | Ag | 328.068† | 621.1 | 129.6 | 0.0013 mg/L | 0.0013 mg/L | 20:30:22 |
| 2 | Al | 237.313† | -257.1 | 19.1 | 0.0097 mg/L | 0.0097 mg/L | 20:30:42 |
| 2 | As | 188.979† | -9.9 | -0.7 | 0.0007 mg/L | 0.0007 mg/L | 20:30:42 |
| 2 | B | 182.528† | -18.0 | 3.7 | 0.0077 mg/L | 0.0077 mg/L | 20:30:42 |
| 2 | Ba | 233.527† | 226.1 | 9.5 | -0.0016 mg/L | -0.0016 mg/L | 20:30:42 |
| 2 | Be | 313.107† | 3199.3 | 75.7 | 0.0000 mg/L | 0.0000 mg/L | 20:30:17 |
| 2 | Ca | 315.886† | 5075.7 | 5390.4 | 0.0371 mg/L | 0.0371 mg/L | 20:30:22 |
| 2 | Cd | 228.802† | 598.0 | 54.3 | 0.0014 mg/L | 0.0014 mg/L | 20:30:42 |
| 2 | Co | 228.616† | -182.9 | -17.7 | -0.0018 mg/L | -0.0018 mg/L | 20:30:42 |
| 2 | Cr | 267.716† | 2079.5 | 637.0 | 0.0059 mg/L | 0.0059 mg/L | 20:30:22 |
| 2 | Cu | 324.752† | 2420.6 | 315.7 | 0.0033 mg/L | 0.0033 mg/L | 20:30:22 |
| 2 | Fe | 238.204† | 3299.6 | 2169.9 | 0.0203 mg/L | 0.0203 mg/L | 20:30:22 |
| 2 | Fe | 234.349† | 1302.4 | 654.1 | 0.0141 mg/L | 0.0141 mg/L | 20:30:42 |
| 2 | Mg | 279.077† | -747.7 | 68.8 | 0.0026 mg/L | 0.0026 mg/L | 20:30:22 |
| 2 | Mn | 257.610† | 1758.9 | 481.3 | -0.0012 mg/L | -0.0012 mg/L | 20:30:22 |
| 2 | Mo | 202.031† | 107.5 | 27.1 | 0.0028 mg/L | 0.0028 mg/L | 20:30:42 |
| 2 | Na | 330.237† | 2628.5 | 1121.6 | 2.105 mg/L | 2.105 mg/L | 20:30:22 |
| 2 | Ni | 231.604† | 3573.4 | -560.7 | -0.0124 mg/L | -0.0124 mg/L | 20:30:22 |
| 2 | Pb | 220.353† | 32.6 | -14.8 | -0.0020 mg/L | -0.0020 mg/L | 20:30:42 |
| 2 | Sb | 206.836† | 45.8 | -6.0 | -0.0021 mg/L | -0.0021 mg/L | 20:30:42 |
| 2 | Se | 196.026† | -14.9 | 1.2 | 0.0033 mg/L | 0.0033 mg/L | 20:30:42 |
| 2 | Sn | 189.927† | 111.2 | -78.6 | -0.0288 mg/L | -0.0288 mg/L | 20:30:42 |
| 2 | Ti | 337.279† | 808.4 | 479.9 | -0.0005 mg/L | -0.0005 mg/L | 20:30:22 |
| 2 | Tl | 190.801† | -16.1 | 1.9 | 0.0040 mg/L | 0.0040 mg/L | 20:30:42 |
| 2 | V | 292.402† | 2298.4 | 25.7 | 0.0008 mg/L | 0.0008 mg/L | 20:30:22 |
| 2 | Zn | 213.857† | 1281.6 | 231.5 | 0.0007 mg/L | 0.0007 mg/L | 20:30:42 |

Mean Data: BH61418-BLK1

| Analyte | Mean Corrected Intensity | Calib Conc. Units | Std.Dev. | Sample Conc. Units | Std.Dev. | RSD |
|-------------|--------------------------|-------------------|----------|--------------------|----------|---------|
| Y 360.073 | 1994363.1 | 1.00 mg/L | 0.000 | 1.00 mg/L | 0.00004 | 0.00% |
| Ag 328.068† | 137.6 | 0.0013 mg/L | 0.00004 | 0.0013 mg/L | 0.00004 | 3.15% |
| Al 237.313† | 6.9 | 0.0080 mg/L | 0.00250 | 0.0080 mg/L | 0.00250 | 31.31% |
| As 188.979† | -1.6 | -0.0007 mg/L | 0.00205 | -0.0007 mg/L | 0.00205 | 281.14% |
| B 182.528† | 2.6 | 0.0065 mg/L | 0.00166 | 0.0065 mg/L | 0.00166 | 25.40% |
| Ba 233.527† | 18.9 | -0.0016 mg/L | 0.00009 | -0.0016 mg/L | 0.00009 | 5.54% |
| Be 313.107† | 81.5 | 0.0000 mg/L | 0.00000 | 0.0000 mg/L | 0.00000 | 11.74% |
| Ca 315.886† | 5472.0 | 0.0378 mg/L | 0.00105 | 0.0378 mg/L | 0.00105 | 2.78% |
| Cd 228.802† | 54.5 | 0.0014 mg/L | 0.00001 | 0.0014 mg/L | 0.00001 | 0.59% |
| Co 228.616† | -13.7 | -0.0017 mg/L | 0.00010 | -0.0017 mg/L | 0.00010 | 5.81% |
| Cr 267.716† | 617.1 | 0.0057 mg/L | 0.00025 | 0.0057 mg/L | 0.00025 | 4.33% |
| Cu 324.752† | 312.4 | 0.0032 mg/L | 0.00002 | 0.0032 mg/L | 0.00002 | 0.68% |
| Fe 238.204† | 2184.9 | 0.0205 mg/L | 0.00020 | 0.0205 mg/L | 0.00020 | 1.00% |
| Fe 234.349† | 656.0 | 0.0141 mg/L | 0.00009 | 0.0141 mg/L | 0.00009 | 0.65% |
| Mg 279.077† | 107.8 | 0.0050 mg/L | 0.00337 | 0.0050 mg/L | 0.00337 | 67.21% |
| Mn 257.610† | 477.7 | -0.0012 mg/L | 0.00001 | -0.0012 mg/L | 0.00001 | 0.48% |
| Mo 202.031† | 23.4 | 0.0024 mg/L | 0.00054 | 0.0024 mg/L | 0.00054 | 22.27% |
| Na 330.237† | 1148.8 | 2.143 mg/L | 0.0535 | 2.143 mg/L | 0.0535 | 2.50% |
| Ni 231.604† | -559.8 | -0.0124 mg/L | 0.00003 | -0.0124 mg/L | 0.00003 | 0.22% |

| | | | | | | |
|-------------|-------|--------------|---------|--------------|---------|---------|
| Pb 220.353† | -5.4 | -0.0007 mg/L | 0.00179 | -0.0007 mg/L | 0.00179 | 249.36% |
| Sb 206.836† | -3.1 | -0.0012 mg/L | 0.00130 | -0.0012 mg/L | 0.00130 | 111.29% |
| Se 196.026† | 0.9 | 0.0026 mg/L | 0.00099 | 0.0026 mg/L | 0.00099 | 37.53% |
| Sn 189.927† | -76.2 | -0.0277 mg/L | 0.00157 | -0.0277 mg/L | 0.00157 | 5.68% |
| Ti 337.279† | 468.5 | -0.0005 mg/L | 0.00003 | -0.0005 mg/L | 0.00003 | 5.55% |
| Tl 190.801† | 4.4 | 0.0065 mg/L | 0.00359 | 0.0065 mg/L | 0.00359 | 54.95% |
| V 292.402† | 102.5 | 0.0012 mg/L | 0.00059 | 0.0012 mg/L | 0.00059 | 47.80% |
| Zn 213.857† | 235.7 | 0.0008 mg/L | 0.00008 | 0.0008 mg/L | 0.00008 | 9.67% |

Sequence No.: 16
 Sample ID: BH61418-BS1
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 10
 Date Collected: 8/14/2006 8:32:19 PM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Replicate Data: BH61418-BS1

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. Units | Sample Conc. Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------------------|--------------------|---------------|
| 1 | Y 360.073 | 2024385.1 | 2024385.1 | 1.02 mg/L | | 20:33:52 |
| 1 | Ag 328.068† | 65815.1 | 64291.3 | 0.2323 mg/L | 0.2323 mg/L | 20:33:58 |
| 1 | Al 237.313† | 15625.1 | 15655.9 | 2.250 mg/L | 2.250 mg/L | 20:33:58 |
| 1 | As 188.979† | 276.4 | 281.4 | 0.4527 mg/L | 0.4527 mg/L | 20:34:18 |
| 1 | B 182.528† | 405.6 | 421.0 | 0.4428 mg/L | 0.4428 mg/L | 20:34:18 |
| 1 | Ba 233.527† | 73310.8 | 71944.0 | 0.4714 mg/L | 0.4714 mg/L | 20:33:58 |
| 1 | Be 313.107† | 218305.6 | 211759.1 | 0.0474 mg/L | 0.0474 mg/L | 20:33:52 |
| 1 | Ca 315.886† | 547430.6 | 539159.2 | 4.895 mg/L | 4.895 mg/L | 20:33:52 |
| 1 | Cd 228.802† | 16848.1 | 16040.6 | 0.2299 mg/L | 0.2299 mg/L | 20:33:58 |
| 1 | Co 228.616† | 27118.6 | 26858.0 | 0.4710 mg/L | 0.4710 mg/L | 20:33:58 |
| 1 | Cr 267.716† | 56038.1 | 53718.0 | 0.4765 mg/L | 0.4765 mg/L | 20:33:58 |
| 1 | Cu 324.752† | 101026.0 | 97337.9 | 0.4634 mg/L | 0.4634 mg/L | 20:33:58 |
| 1 | Fe 238.204† | 255624.0 | 250485.9 | 2.400 mg/L | 2.400 mg/L | 20:33:58 |
| 1 | Fe 234.349† | 74815.1 | 72993.9 | 2.407 mg/L | 2.407 mg/L | 20:33:58 |
| 1 | Mg 279.077† | 76413.1 | 76029.8 | 4.631 mg/L | 4.631 mg/L | 20:33:58 |
| 1 | Mn 257.610† | 426827.1 | 418853.0 | 0.4819 mg/L | 0.4819 mg/L | 20:33:52 |
| 1 | Mo 202.031† | 4827.5 | 4671.4 | 0.4848 mg/L | 0.4848 mg/L | 20:34:18 |
| 1 | Na 330.237† | 17305.9 | 15529.8 | 22.20 mg/L | 22.20 mg/L | 20:33:58 |
| 1 | Ni 231.604† | 25330.8 | 20802.4 | 0.4917 mg/L | 0.4917 mg/L | 20:33:58 |
| 1 | Pb 220.353† | 3557.5 | 3454.4 | 0.4693 mg/L | 0.4693 mg/L | 20:34:18 |
| 1 | Sb 206.836† | 1521.1 | 1445.5 | 0.4520 mg/L | 0.4520 mg/L | 20:34:18 |
| 1 | Se 196.026† | 452.7 | 461.7 | 0.8551 mg/L | 0.8551 mg/L | 20:34:18 |
| 1 | Sn 189.927† | 1195.4 | 987.0 | 0.4660 mg/L | 0.4660 mg/L | 20:34:18 |
| 1 | Ti 337.279† | 275644.5 | 270991.1 | 0.4909 mg/L | 0.4909 mg/L | 20:33:52 |
| 1 | Tl 190.801† | 429.5 | 440.8 | 0.4515 mg/L | 0.4515 mg/L | 20:34:18 |
| 1 | V 292.402† | 89900.2 | 86218.8 | 0.4718 mg/L | 0.4718 mg/L | 20:33:58 |
| 1 | Zn 213.857† | 37411.6 | 35775.5 | 0.4539 mg/L | 0.4539 mg/L | 20:33:58 |
| 2 | Y 360.073 | 2005993.9 | 2005993.9 | 1.01 mg/L | | 20:34:25 |
| 2 | Ag 328.068† | 66817.6 | 65881.1 | 0.2380 mg/L | 0.2380 mg/L | 20:34:30 |
| 2 | Al 237.313† | 15874.0 | 16044.1 | 2.306 mg/L | 2.306 mg/L | 20:34:30 |
| 2 | As 188.979† | 275.0 | 282.4 | 0.4544 mg/L | 0.4544 mg/L | 20:34:50 |
| 2 | B 182.528† | 405.4 | 424.4 | 0.4463 mg/L | 0.4463 mg/L | 20:34:50 |
| 2 | Ba 233.527† | 74334.4 | 73622.3 | 0.4824 mg/L | 0.4824 mg/L | 20:34:30 |
| 2 | Be 313.107† | 216343.9 | 211780.5 | 0.0475 mg/L | 0.0475 mg/L | 20:34:25 |
| 2 | Ca 315.886† | 543452.6 | 540147.9 | 4.904 mg/L | 4.904 mg/L | 20:34:30 |
| 2 | Cd 228.802† | 17010.1 | 16353.6 | 0.2344 mg/L | 0.2344 mg/L | 20:34:30 |
| 2 | Co 228.616† | 27530.8 | 27512.1 | 0.4826 mg/L | 0.4826 mg/L | 20:34:30 |
| 2 | Cr 267.716† | 57049.9 | 55228.7 | 0.4899 mg/L | 0.4899 mg/L | 20:34:30 |
| 2 | Cu 324.752† | 102241.7 | 99457.1 | 0.4734 mg/L | 0.4734 mg/L | 20:34:30 |
| 2 | Fe 238.204† | 259632.0 | 256774.0 | 2.460 mg/L | 2.460 mg/L | 20:34:30 |
| 2 | Fe 234.349† | 75966.9 | 74813.2 | 2.467 mg/L | 2.467 mg/L | 20:34:30 |
| 2 | Mg 279.077† | 77709.0 | 78006.6 | 4.752 mg/L | 4.752 mg/L | 20:34:30 |
| 2 | Mn 257.610† | 423328.4 | 419229.4 | 0.4824 mg/L | 0.4824 mg/L | 20:34:25 |
| 2 | Mo 202.031† | 4846.6 | 4734.0 | 0.4913 mg/L | 0.4913 mg/L | 20:34:50 |
| 2 | Na 330.237† | 17453.3 | 15832.4 | 22.63 mg/L | 22.63 mg/L | 20:34:30 |
| 2 | Ni 231.604† | 25853.0 | 21549.7 | 0.5094 mg/L | 0.5094 mg/L | 20:34:30 |
| 2 | Pb 220.353† | 3550.1 | 3479.1 | 0.4726 mg/L | 0.4726 mg/L | 20:34:50 |
| 2 | Sb 206.836† | 1523.8 | 1461.9 | 0.4570 mg/L | 0.4570 mg/L | 20:34:50 |
| 2 | Se 196.026† | 450.6 | 463.7 | 0.8588 mg/L | 0.8588 mg/L | 20:34:50 |
| 2 | Sn 189.927† | 1199.6 | 1001.9 | 0.4729 mg/L | 0.4729 mg/L | 20:34:50 |
| 2 | Ti 337.279† | 272683.2 | 270537.1 | 0.4901 mg/L | 0.4901 mg/L | 20:34:25 |

| | | | | | | |
|---|-------------|---------|---------|-------------|-------------|----------|
| 2 | Tl 190.801† | 428.8 | 444.0 | 0.4546 mg/L | 0.4546 mg/L | 20:34:50 |
| 2 | V 292.402† | 91320.2 | 88440.6 | 0.4840 mg/L | 0.4840 mg/L | 20:34:30 |
| 2 | Zn 213.857† | 37783.1 | 36482.1 | 0.4628 mg/L | 0.4628 mg/L | 20:34:30 |

Mean Data: BH61418-BS1

| Analyte | Mean Corrected Intensity | Conc. Units | Calib | Std.Dev. | Conc. Units | Sample | Std.Dev. | RSD |
|-------------|--------------------------|-------------|-------|----------|-------------|--------|----------|-------|
| Y 360.073 | 2015189.5 | 1.01 mg/L | | 0.007 | | | | 0.65% |
| Ag 328.068† | 65086.2 | 0.2352 mg/L | | 0.00405 | 0.2352 mg/L | | 0.00405 | 1.72% |
| Al 237.313† | 15850.0 | 2.278 mg/L | | 0.0393 | 2.278 mg/L | | 0.0393 | 1.73% |
| As 188.979† | 281.9 | 0.4535 mg/L | | 0.00117 | 0.4535 mg/L | | 0.00117 | 0.26% |
| B 182.528† | 422.7 | 0.4446 mg/L | | 0.00251 | 0.4446 mg/L | | 0.00251 | 0.57% |
| Ba 233.527† | 72783.1 | 0.4769 mg/L | | 0.00780 | 0.4769 mg/L | | 0.00780 | 1.64% |
| Be 313.107† | 211769.8 | 0.0474 mg/L | | 0.00000 | 0.0474 mg/L | | 0.00000 | 0.01% |
| Ca 315.886† | 539653.5 | 4.899 mg/L | | 0.0064 | 4.899 mg/L | | 0.0064 | 0.13% |
| Cd 228.802† | 16197.1 | 0.2322 mg/L | | 0.00318 | 0.2322 mg/L | | 0.00318 | 1.37% |
| Co 228.616† | 27185.1 | 0.4768 mg/L | | 0.00815 | 0.4768 mg/L | | 0.00815 | 1.71% |
| Cr 267.716† | 54473.3 | 0.4832 mg/L | | 0.00947 | 0.4832 mg/L | | 0.00947 | 1.96% |
| Cu 324.752† | 98397.5 | 0.4684 mg/L | | 0.00710 | 0.4684 mg/L | | 0.00710 | 1.52% |
| Fe 238.204† | 253629.9 | 2.430 mg/L | | 0.0426 | 2.430 mg/L | | 0.0426 | 1.75% |
| Fe 234.349† | 73903.5 | 2.437 mg/L | | 0.0425 | 2.437 mg/L | | 0.0425 | 1.74% |
| Mg 279.077† | 77018.2 | 4.692 mg/L | | 0.0851 | 4.692 mg/L | | 0.0851 | 1.81% |
| Mn 257.610† | 419041.2 | 0.4821 mg/L | | 0.00031 | 0.4821 mg/L | | 0.00031 | 0.06% |
| Mo 202.031† | 4702.7 | 0.4881 mg/L | | 0.00459 | 0.4881 mg/L | | 0.00459 | 0.94% |
| Na 330.237† | 15681.1 | 22.42 mg/L | | 0.298 | 22.42 mg/L | | 0.298 | 1.33% |
| Ni 231.604† | 21176.0 | 0.5005 mg/L | | 0.01247 | 0.5005 mg/L | | 0.01247 | 2.49% |
| Pb 220.353† | 3466.7 | 0.4710 mg/L | | 0.00238 | 0.4710 mg/L | | 0.00238 | 0.51% |
| Sb 206.836† | 1453.7 | 0.4545 mg/L | | 0.00355 | 0.4545 mg/L | | 0.00355 | 0.78% |
| Se 196.026† | 462.7 | 0.8569 mg/L | | 0.00258 | 0.8569 mg/L | | 0.00258 | 0.30% |
| Sn 189.927† | 994.4 | 0.4694 mg/L | | 0.00490 | 0.4694 mg/L | | 0.00490 | 1.04% |
| Ti 337.279† | 270764.1 | 0.4905 mg/L | | 0.00058 | 0.4905 mg/L | | 0.00058 | 0.12% |
| Tl 190.801† | 442.4 | 0.4531 mg/L | | 0.00213 | 0.4531 mg/L | | 0.00213 | 0.47% |
| V 292.402† | 87329.7 | 0.4779 mg/L | | 0.00860 | 0.4779 mg/L | | 0.00860 | 1.80% |
| Zn 213.857† | 36128.8 | 0.4583 mg/L | | 0.00633 | 0.4583 mg/L | | 0.00633 | 1.38% |

Sequence No.: 17
 Sample ID: BH61418-BSD1
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 11
 Date Collected: 8/14/2006 8:36:28 PM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Replicate Data: BH61418-BSD1

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. Units | Sample Conc. Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------------------|--------------------|---------------|
| 1 | Y 360.073 | 2031690.7 | 2031690.7 | 1.02 mg/L | | 20:38:01 |
| 1 | Ag 328.068† | 67656.5 | 65864.5 | 0.2380 mg/L | 0.2380 mg/L | 20:38:07 |
| 1 | Al 237.313† | 16111.9 | 16078.0 | 2.310 mg/L | 2.310 mg/L | 20:38:07 |
| 1 | As 188.979† | 282.1 | 285.9 | 0.4600 mg/L | 0.4600 mg/L | 20:38:27 |
| 1 | B 182.528† | 423.7 | 437.3 | 0.4598 mg/L | 0.4598 mg/L | 20:38:27 |
| 1 | Ba 233.527† | 75353.0 | 73687.5 | 0.4829 mg/L | 0.4829 mg/L | 20:38:07 |
| 1 | Be 313.107† | 223483.0 | 216064.2 | 0.0484 mg/L | 0.0484 mg/L | 20:38:01 |
| 1 | Ca 315.886† | 560227.1 | 549772.0 | 4.991 mg/L | 4.991 mg/L | 20:38:01 |
| 1 | Cd 228.802† | 17267.8 | 16392.6 | 0.2349 mg/L | 0.2349 mg/L | 20:38:07 |
| 1 | Co 228.616† | 27897.0 | 27525.4 | 0.4828 mg/L | 0.4828 mg/L | 20:38:07 |
| 1 | Cr 267.716† | 57704.0 | 55153.5 | 0.4892 mg/L | 0.4892 mg/L | 20:38:07 |
| 1 | Cu 324.752† | 105154.5 | 101029.4 | 0.4809 mg/L | 0.4809 mg/L | 20:38:07 |
| 1 | Fe 238.204† | 264143.8 | 257937.1 | 2.471 mg/L | 2.471 mg/L | 20:38:07 |
| 1 | Fe 234.349† | 77279.3 | 75145.9 | 2.478 mg/L | 2.478 mg/L | 20:38:07 |
| 1 | Mg 279.077† | 78702.8 | 78004.9 | 4.752 mg/L | 4.752 mg/L | 20:38:07 |
| 1 | Mn 257.610† | 436897.6 | 427219.2 | 0.4916 mg/L | 0.4916 mg/L | 20:38:01 |
| 1 | Mo 202.031† | 4969.3 | 4793.4 | 0.4975 mg/L | 0.4975 mg/L | 20:38:27 |
| 1 | Na 330.237† | 17702.6 | 15857.5 | 22.66 mg/L | 22.66 mg/L | 20:38:07 |
| 1 | Ni 231.604† | 25938.0 | 21308.3 | 0.5037 mg/L | 0.5037 mg/L | 20:38:07 |
| 1 | Pb 220.353† | 3657.4 | 3539.8 | 0.4809 mg/L | 0.4809 mg/L | 20:38:27 |
| 1 | Sb 206.836† | 1573.2 | 1491.2 | 0.4663 mg/L | 0.4663 mg/L | 20:38:27 |
| 1 | Se 196.026† | 463.9 | 471.2 | 0.8726 mg/L | 0.8726 mg/L | 20:38:27 |
| 1 | Sn 189.927† | 1222.7 | 1009.5 | 0.4764 mg/L | 0.4764 mg/L | 20:38:27 |
| 1 | Ti 337.279† | 281897.0 | 276147.8 | 0.5003 mg/L | 0.5003 mg/L | 20:38:01 |

| | | | | | | |
|---|-------------|-----------|-----------|-------------|-------------|----------|
| 1 | Tl 190.801† | 457.6 | 466.8 | 0.4780 mg/L | 0.4780 mg/L | 20:38:27 |
| 1 | V 292.402† | 92958.8 | 88900.3 | 0.4864 mg/L | 0.4864 mg/L | 20:38:07 |
| 1 | Zn 213.857† | 38451.1 | 36662.6 | 0.4652 mg/L | 0.4652 mg/L | 20:38:07 |
| 2 | Y 360.073 | 2026480.3 | 2026480.3 | 1.02 mg/L | | 20:38:34 |
| 2 | Ag 328.068† | 68198.6 | 66568.1 | 0.2405 mg/L | 0.2405 mg/L | 20:38:39 |
| 2 | Al 237.313† | 16169.0 | 16174.8 | 2.324 mg/L | 2.324 mg/L | 20:38:39 |
| 2 | As 188.979† | 287.3 | 291.8 | 0.4694 mg/L | 0.4694 mg/L | 20:38:59 |
| 2 | B 182.528† | 427.5 | 442.1 | 0.4648 mg/L | 0.4648 mg/L | 20:38:59 |
| 2 | Ba 233.527† | 75942.7 | 74457.3 | 0.4879 mg/L | 0.4879 mg/L | 20:38:39 |
| 2 | Be 313.107† | 223595.1 | 216738.0 | 0.0486 mg/L | 0.0486 mg/L | 20:38:34 |
| 2 | Ca 315.886† | 561421.6 | 552359.3 | 5.015 mg/L | 5.015 mg/L | 20:38:34 |
| 2 | Cd 228.802† | 17436.1 | 16601.7 | 0.2379 mg/L | 0.2379 mg/L | 20:38:39 |
| 2 | Co 228.616† | 28123.1 | 27818.1 | 0.4879 mg/L | 0.4879 mg/L | 20:38:39 |
| 2 | Cr 267.716† | 58099.0 | 55687.4 | 0.4939 mg/L | 0.4939 mg/L | 20:38:39 |
| 2 | Cu 324.752† | 105994.8 | 102120.8 | 0.4860 mg/L | 0.4860 mg/L | 20:38:39 |
| 2 | Fe 238.204† | 266524.5 | 260944.1 | 2.500 mg/L | 2.500 mg/L | 20:38:39 |
| 2 | Fe 234.349† | 78006.1 | 76055.5 | 2.508 mg/L | 2.508 mg/L | 20:38:39 |
| 2 | Mg 279.077† | 79252.2 | 78743.7 | 4.797 mg/L | 4.797 mg/L | 20:38:39 |
| 2 | Mn 257.610† | 437288.8 | 428705.5 | 0.4933 mg/L | 0.4933 mg/L | 20:38:34 |
| 2 | Mo 202.031† | 4963.9 | 4800.6 | 0.4982 mg/L | 0.4982 mg/L | 20:38:59 |
| 2 | Na 330.237† | 17820.3 | 16018.0 | 22.89 mg/L | 22.89 mg/L | 20:38:39 |
| 2 | Ni 231.604† | 26177.7 | 21609.3 | 0.5108 mg/L | 0.5108 mg/L | 20:38:39 |
| 2 | Pb 220.353† | 3698.9 | 3589.7 | 0.4876 mg/L | 0.4876 mg/L | 20:38:59 |
| 2 | Sb 206.836† | 1563.6 | 1485.7 | 0.4645 mg/L | 0.4645 mg/L | 20:38:59 |
| 2 | Se 196.026† | 466.6 | 475.0 | 0.8796 mg/L | 0.8796 mg/L | 20:38:59 |
| 2 | Sn 189.927† | 1230.7 | 1020.4 | 0.4815 mg/L | 0.4815 mg/L | 20:38:59 |
| 2 | Ti 337.279† | 282069.2 | 277028.0 | 0.5019 mg/L | 0.5019 mg/L | 20:38:34 |
| 2 | Tl 190.801† | 456.9 | 467.3 | 0.4785 mg/L | 0.4785 mg/L | 20:38:59 |
| 2 | V 292.402† | 93851.8 | 90012.8 | 0.4925 mg/L | 0.4925 mg/L | 20:38:39 |
| 2 | Zn 213.857† | 38756.4 | 37059.8 | 0.4702 mg/L | 0.4702 mg/L | 20:38:39 |

Mean Data: BH61418-BSD1

| Analyte | Mean Corrected Intensity | Calib Conc. Units | Std.Dev. | Sample Conc. Units | Std.Dev. | RSD |
|-------------|--------------------------|-------------------|----------|--------------------|----------|-------|
| Y 360.073 | 2029085.5 | 1.02 mg/L | 0.002 | | | 0.18% |
| Ag 328.068† | 66216.3 | 0.2393 mg/L | 0.00179 | 0.2393 mg/L | 0.00179 | 0.75% |
| Al 237.313† | 16126.4 | 2.317 mg/L | 0.0097 | 2.317 mg/L | 0.0097 | 0.42% |
| As 188.979† | 288.9 | 0.4647 mg/L | 0.00667 | 0.4647 mg/L | 0.00667 | 1.44% |
| B 182.528† | 439.7 | 0.4623 mg/L | 0.00353 | 0.4623 mg/L | 0.00353 | 0.76% |
| Ba 233.527† | 74072.4 | 0.4854 mg/L | 0.00358 | 0.4854 mg/L | 0.00358 | 0.74% |
| Be 313.107† | 216401.1 | 0.0485 mg/L | 0.0011 | 0.0485 mg/L | 0.0011 | 0.22% |
| Ca 315.886† | 551065.7 | 5.003 mg/L | 0.0166 | 5.003 mg/L | 0.0166 | 0.33% |
| Cd 228.802† | 16497.2 | 0.2364 mg/L | 0.00211 | 0.2364 mg/L | 0.00211 | 0.89% |
| Co 228.616† | 27671.8 | 0.4854 mg/L | 0.00365 | 0.4854 mg/L | 0.00365 | 0.75% |
| Cr 267.716† | 55420.4 | 0.4916 mg/L | 0.00335 | 0.4916 mg/L | 0.00335 | 0.68% |
| Cu 324.752† | 101575.1 | 0.4834 mg/L | 0.00366 | 0.4834 mg/L | 0.00366 | 0.76% |
| Fe 238.204† | 259440.6 | 2.485 mg/L | 0.0204 | 2.485 mg/L | 0.0204 | 0.82% |
| Fe 234.349† | 75600.7 | 2.493 mg/L | 0.0213 | 2.493 mg/L | 0.0213 | 0.85% |
| Mg 279.077† | 78374.3 | 4.774 mg/L | 0.0318 | 4.774 mg/L | 0.0318 | 0.67% |
| Mn 257.610† | 427962.4 | 0.4925 mg/L | 0.00121 | 0.4925 mg/L | 0.00121 | 0.25% |
| Mo 202.031† | 4797.0 | 0.4978 mg/L | 0.00053 | 0.4978 mg/L | 0.00053 | 0.11% |
| Na 330.237† | 15937.8 | 22.77 mg/L | 0.158 | 22.77 mg/L | 0.158 | 0.69% |
| Ni 231.604† | 21458.8 | 0.5072 mg/L | 0.00502 | 0.5072 mg/L | 0.00502 | 0.99% |
| Pb 220.353† | 3564.7 | 0.4842 mg/L | 0.00478 | 0.4842 mg/L | 0.00478 | 0.99% |
| Sb 206.836† | 1488.4 | 0.4654 mg/L | 0.00127 | 0.4654 mg/L | 0.00127 | 0.27% |
| Se 196.026† | 473.1 | 0.8761 mg/L | 0.00497 | 0.8761 mg/L | 0.00497 | 0.57% |
| Sn 189.927† | 1015.0 | 0.4790 mg/L | 0.00357 | 0.4790 mg/L | 0.00357 | 0.75% |
| Ti 337.279† | 276587.9 | 0.5011 mg/L | 0.00113 | 0.5011 mg/L | 0.00113 | 0.23% |
| Tl 190.801† | 467.1 | 0.4782 mg/L | 0.00034 | 0.4782 mg/L | 0.00034 | 0.07% |
| V 292.402† | 89456.6 | 0.4895 mg/L | 0.00429 | 0.4895 mg/L | 0.00429 | 0.88% |
| Zn 213.857† | 36861.2 | 0.4677 mg/L | 0.00357 | 0.4677 mg/L | 0.00357 | 0.76% |

Duplicate Check: BH61418-BSD1

| Analyte | Expected Conc. | Measured Conc. | Std. Dev. | Units | Difference (%) |
|------------|----------------|----------------|-----------|-------|----------------|
| Y 360.073 | | | 0.000 | mg/L | Not calculated |
| Ag 328.068 | 0.2352 | 0.2393 | 0.002 | mg/L | 1.7 |
| Al 237.313 | 2.278 | 2.317 | 0.010 | mg/L | 1.7 |
| As 188.979 | 0.4535 | 0.4647 | 0.007 | mg/L | 2.4 |

| | | | | | |
|------------|--------|--------|-------|------|-----|
| B 182.528 | 0.4446 | 0.4623 | 0.004 | mg/L | 3.9 |
| Ba 233.527 | 0.4769 | 0.4854 | 0.004 | mg/L | 1.8 |
| Be 313.107 | 0.0474 | 0.0485 | 0.000 | mg/L | 2.2 |
| Ca 315.886 | 4.899 | 5.003 | 0.017 | mg/L | 2.1 |
| Cd 228.802 | 0.2322 | 0.2364 | 0.002 | mg/L | 1.8 |
| Co 228.616 | 0.4768 | 0.4854 | 0.004 | mg/L | 1.8 |
| Cr 267.716 | 0.4832 | 0.4916 | 0.003 | mg/L | 1.7 |
| Cu 324.752 | 0.4684 | 0.4834 | 0.004 | mg/L | 3.2 |
| Fe 238.204 | 2.430 | 2.485 | 0.020 | mg/L | 2.3 |
| Fe 234.349 | 2.437 | 2.493 | 0.021 | mg/L | 2.3 |
| Mg 279.077 | 4.692 | 4.774 | 0.032 | mg/L | 1.7 |
| Mn 257.610 | 0.4821 | 0.4925 | 0.001 | mg/L | 2.1 |
| Mo 202.031 | 0.4881 | 0.4978 | 0.001 | mg/L | 2.0 |
| Na 330.237 | 22.42 | 22.77 | 0.158 | mg/L | 1.6 |
| Ni 231.604 | 0.5005 | 0.5072 | 0.005 | mg/L | 1.3 |
| Pb 220.353 | 0.4710 | 0.4842 | 0.005 | mg/L | 2.8 |
| Sb 206.836 | 0.4545 | 0.4654 | 0.001 | mg/L | 2.4 |
| Se 196.026 | 0.8569 | 0.8761 | 0.005 | mg/L | 2.2 |
| Sn 189.927 | 0.4694 | 0.4790 | 0.004 | mg/L | 2.0 |
| Ti 337.279 | 0.4905 | 0.5011 | 0.001 | mg/L | 2.1 |
| Tl 190.801 | 0.4531 | 0.4782 | 0.000 | mg/L | 5.4 |
| V 292.402 | 0.4779 | 0.4895 | 0.004 | mg/L | 2.4 |
| Zn 213.857 | 0.4583 | 0.4677 | 0.004 | mg/L | 2.0 |

Sequence No.: 18
 Sample ID: BH61418-SRM1
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 12
 Date Collected: 8/14/2006 8:40:37 PM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Replicate Data: BH61418-SRM1

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. Units | Sample Conc. Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------------------|--------------------|---------------|
| 1 | Y 360.073 | 2167138.3 | 2167138.3 | 1.09 mg/L | | 20:42:21 |
| 1 | Ag 328.068† | 240030.0 | 220209.4 | 0.7936 mg/L | 0.7936 mg/L | 20:42:26 |
| 1 | Al 237.313† | 382968.2 | 352403.6 | 50.35 mg/L | 50.35 mg/L | 20:42:26 |
| 1 | As 188.979† | 489.3 | 459.2 | 0.7430 mg/L | 0.7430 mg/L | 20:42:46 |
| 1 | B 182.528† | 925.9 | 873.1 | 0.9143 mg/L | 0.9143 mg/L | 20:42:46 |
| 1 | Ba 233.527† | 240058.4 | 220510.0 | 1.449 mg/L | 1.449 mg/L | 20:42:26 |
| 1 | Be 313.107† | 6672349.1 | 6131900.3 | 1.374 mg/L | 1.374 mg/L | 20:42:14 |
| 1 | Ca 315.886† | 4949758.9 | 4551471.2 | 41.41 mg/L | 41.41 mg/L | 20:42:14 |
| 1 | Cd 228.802† | 153703.0 | 140782.1 | 2.025 mg/L | 2.025 mg/L | 20:42:26 |
| 1 | Co 228.616† | 40087.3 | 37024.0 | 0.6482 mg/L | 0.6482 mg/L | 20:42:26 |
| 1 | Cr 267.716† | 68951.0 | 61957.6 | 0.5529 mg/L | 0.5529 mg/L | 20:42:26 |
| 1 | Cu 324.752† | 290348.0 | 264863.3 | 1.258 mg/L | 1.258 mg/L | 20:42:21 |
| 1 | Fe 238.204† | 8861778.8 | 8147008.0 | 78.03 mg/L | 78.03 mg/L | 20:42:14 |
| 1 | Fe 234.349† | 2721945.5 | 2502098.6 | 82.90 mg/L | 82.90 mg/L | 20:42:21 |
| 1 | Mg 279.077† | 329256.4 | 303557.0 | 18.35 mg/L | 18.35 mg/L | 20:42:26 |
| 1 | Mn 257.610† | 2597193.1 | 2386763.6 | 2.757 mg/L | 2.757 mg/L | 20:42:21 |
| 1 | Mo 202.031† | 5972.4 | 5411.1 | 0.5672 mg/L | 0.5672 mg/L | 20:42:46 |
| 1 | Na 330.237† | 8131.5 | 5972.1 | 9.177 mg/L | 9.177 mg/L | 20:42:26 |
| 1 | Ni 231.604† | 27043.4 | 20734.6 | 0.4900 mg/L | 0.4900 mg/L | 20:42:26 |
| 1 | Pb 220.353† | 6039.9 | 5506.2 | 0.7489 mg/L | 0.7489 mg/L | 20:42:46 |
| 1 | Sb 206.836† | 2031.9 | 1816.5 | 0.5687 mg/L | 0.5687 mg/L | 20:42:46 |
| 1 | Se 196.026† | 430.2 | 411.7 | 0.7625 mg/L | 0.7625 mg/L | 20:42:46 |
| 1 | Sn 189.927† | 4383.7 | 3840.9 | 1.790 mg/L | 1.790 mg/L | 20:42:46 |
| 1 | Ti 337.279† | 935863.3 | 860169.9 | 1.561 mg/L | 1.561 mg/L | 20:42:21 |
| 1 | Tl 190.801† | 1631.5 | 1518.2 | 1.583 mg/L | 1.583 mg/L | 20:42:46 |
| 1 | V 292.402† | 116757.7 | 105084.4 | 0.5738 mg/L | 0.5738 mg/L | 20:42:26 |
| 1 | Zn 213.857† | 86660.3 | 78632.5 | 1.005 mg/L | 1.005 mg/L | 20:42:26 |
| 2 | Y 360.073 | 2137385.5 | 2137385.5 | 1.07 mg/L | | 20:43:02 |
| 2 | Ag 328.068† | 240910.6 | 224102.5 | 0.8076 mg/L | 0.8076 mg/L | 20:43:08 |
| 2 | Al 237.313† | 384846.5 | 359056.4 | 51.31 mg/L | 51.31 mg/L | 20:43:08 |
| 2 | As 188.979† | 483.6 | 460.1 | 0.7445 mg/L | 0.7445 mg/L | 20:43:28 |
| 2 | B 182.528† | 914.2 | 874.0 | 0.9153 mg/L | 0.9153 mg/L | 20:43:28 |
| 2 | Ba 233.527† | 241037.5 | 224495.3 | 1.475 mg/L | 1.475 mg/L | 20:43:08 |
| 2 | Be 313.107† | 6677429.2 | 6222037.0 | 1.394 mg/L | 1.394 mg/L | 20:42:56 |
| 2 | Ca 315.886† | 4950959.9 | 4615943.8 | 41.99 mg/L | 41.99 mg/L | 20:42:56 |
| 2 | Cd 228.802† | 154542.7 | 143532.2 | 2.065 mg/L | 2.065 mg/L | 20:43:08 |

| | | | | | | | |
|---|----|----------|-----------|-----------|-------------|-------------|----------|
| 2 | Co | 228.616† | 40207.4 | 37649.1 | 0.6592 mg/L | 0.6592 mg/L | 20:43:08 |
| 2 | Cr | 267.716† | 69359.7 | 63221.1 | 0.5641 mg/L | 0.5641 mg/L | 20:43:08 |
| 2 | Cu | 324.752† | 286288.1 | 264794.7 | 1.258 mg/L | 1.258 mg/L | 20:43:02 |
| 2 | Fe | 238.204† | 8864748.9 | 8263200.7 | 79.15 mg/L | 79.15 mg/L | 20:42:56 |
| 2 | Fe | 234.349† | 2696386.6 | 2513109.5 | 83.27 mg/L | 83.27 mg/L | 20:43:02 |
| 2 | Mg | 279.077† | 330281.7 | 308727.1 | 18.66 mg/L | 18.66 mg/L | 20:43:08 |
| 2 | Mn | 257.610† | 2570479.3 | 2395101.2 | 2.767 mg/L | 2.767 mg/L | 20:43:02 |
| 2 | Mo | 202.031† | 5949.5 | 5466.2 | 0.5729 mg/L | 0.5729 mg/L | 20:43:28 |
| 2 | Na | 330.237† | 8154.9 | 6097.9 | 9.353 mg/L | 9.353 mg/L | 20:43:08 |
| 2 | Ni | 231.604† | 27114.2 | 21146.8 | 0.4997 mg/L | 0.4997 mg/L | 20:43:08 |
| 2 | Pb | 220.353† | 6034.4 | 5578.4 | 0.7588 mg/L | 0.7588 mg/L | 20:43:28 |
| 2 | Sb | 206.836† | 2020.8 | 1832.1 | 0.5735 mg/L | 0.5735 mg/L | 20:43:28 |
| 2 | Se | 196.026† | 429.9 | 416.9 | 0.7722 mg/L | 0.7722 mg/L | 20:43:28 |
| 2 | Sn | 189.927† | 4365.0 | 3879.7 | 1.808 mg/L | 1.808 mg/L | 20:43:28 |
| 2 | Ti | 337.279† | 925087.1 | 862101.9 | 1.565 mg/L | 1.565 mg/L | 20:43:02 |
| 2 | Tl | 190.801† | 1644.0 | 1550.7 | 1.616 mg/L | 1.616 mg/L | 20:43:28 |
| 2 | V | 292.402† | 117259.1 | 107046.3 | 0.5845 mg/L | 0.5845 mg/L | 20:43:08 |
| 2 | Zn | 213.857† | 87246.6 | 80288.2 | 1.026 mg/L | 1.026 mg/L | 20:43:08 |

Mean Data: BH61418-SRM1

| Analyte | Mean Corrected | | Calib | Std.Dev. | Sample | | RSD |
|-------------|----------------|-------------|-------|----------|-------------|----------|-------|
| | Intensity | Conc. Units | | | Conc. Units | Std.Dev. | |
| Y 360.073 | 2152261.9 | 1.08 mg/L | | 0.011 | | | 0.98% |
| Ag 328.068† | 222155.9 | 0.8006 mg/L | | 0.00991 | 0.8006 mg/L | 0.00991 | 1.24% |
| Al 237.313† | 355730.0 | 50.83 mg/L | | 0.678 | 50.83 mg/L | 0.678 | 1.33% |
| As 188.979† | 459.6 | 0.7437 mg/L | | 0.00106 | 0.7437 mg/L | 0.00106 | 0.14% |
| B 182.528† | 873.5 | 0.9148 mg/L | | 0.00069 | 0.9148 mg/L | 0.00069 | 0.08% |
| Ba 233.527† | 222502.6 | 1.462 mg/L | | 0.0185 | 1.462 mg/L | 0.0185 | 1.27% |
| Be 313.107† | 6176968.7 | 1.384 mg/L | | 0.0143 | 1.384 mg/L | 0.0143 | 1.03% |
| Ca 315.886† | 4583707.5 | 41.70 mg/L | | 0.415 | 41.70 mg/L | 0.415 | 0.99% |
| Cd 228.802† | 142157.2 | 2.045 mg/L | | 0.0280 | 2.045 mg/L | 0.0280 | 1.37% |
| Co 228.616† | 37336.5 | 0.6537 mg/L | | 0.00779 | 0.6537 mg/L | 0.00779 | 1.19% |
| Cr 267.716† | 62589.4 | 0.5585 mg/L | | 0.00793 | 0.5585 mg/L | 0.00793 | 1.42% |
| Cu 324.752† | 264829.0 | 1.258 mg/L | | 0.0002 | 1.258 mg/L | 0.0002 | 0.02% |
| Fe 238.204† | 8205104.4 | 78.59 mg/L | | 0.787 | 78.59 mg/L | 0.787 | 1.00% |
| Fe 234.349† | 2507604.0 | 83.09 mg/L | | 0.258 | 83.09 mg/L | 0.258 | 0.31% |
| Mg 279.077† | 306142.0 | 18.51 mg/L | | 0.222 | 18.51 mg/L | 0.222 | 1.20% |
| Mn 257.610† | 2390932.4 | 2.762 mg/L | | 0.0068 | 2.762 mg/L | 0.0068 | 0.25% |
| Mo 202.031† | 5438.7 | 0.5701 mg/L | | 0.00406 | 0.5701 mg/L | 0.00406 | 0.71% |
| Na 330.237† | 6035.0 | 9.265 mg/L | | 0.1244 | 9.265 mg/L | 0.1244 | 1.34% |
| Ni 231.604† | 20940.7 | 0.4948 mg/L | | 0.00688 | 0.4948 mg/L | 0.00688 | 1.39% |
| Pb 220.353† | 5542.3 | 0.7538 mg/L | | 0.00696 | 0.7538 mg/L | 0.00696 | 0.92% |
| Sb 206.836† | 1824.3 | 0.5711 mg/L | | 0.00341 | 0.5711 mg/L | 0.00341 | 0.60% |
| Se 196.026† | 414.3 | 0.7673 mg/L | | 0.00686 | 0.7673 mg/L | 0.00686 | 0.89% |
| Sn 189.927† | 3860.3 | 1.799 mg/L | | 0.0127 | 1.799 mg/L | 0.0127 | 0.71% |
| Ti 337.279† | 861135.9 | 1.563 mg/L | | 0.0025 | 1.563 mg/L | 0.0025 | 0.16% |
| Tl 190.801† | 1534.4 | 1.599 mg/L | | 0.0234 | 1.599 mg/L | 0.0234 | 1.46% |
| V 292.402† | 106065.3 | 0.5792 mg/L | | 0.00759 | 0.5792 mg/L | 0.00759 | 1.31% |
| Zn 213.857† | 79460.4 | 1.015 mg/L | | 0.0150 | 1.015 mg/L | 0.0150 | 1.48% |

Sequence No.: 19
 Sample ID: 0608248-01X5
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 13
 Date Collected: 8/14/2006 8:45:06 PM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Replicate Data: 0608248-01X5

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. Units | Sample Conc. Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------------------|--------------------|---------------|
| 1 | Y 360.073 | 2084717.2 | 2084717.2 | 1.05 mg/L | | 20:46:41 |
| 1 | Ag 328.068† | 56239.9 | 53264.4 | 0.1933 mg/L | 0.1933 mg/L | 20:46:47 |
| 1 | Al 237.313† | 70472.0 | 67634.6 | 9.630 mg/L | 9.630 mg/L | 20:46:47 |
| 1 | As 188.979† | -1.1 | 8.2 | 0.0180 mg/L | 0.0180 mg/L | 20:47:07 |
| 1 | B 182.528† | -9.5 | 12.7 | 0.0170 mg/L | 0.0170 mg/L | 20:47:07 |
| 1 | Ba 233.527† | 47431.9 | 45120.1 | 0.2930 mg/L | 0.2930 mg/L | 20:46:47 |
| 1 | Be 313.107† | 9319.2 | 5786.7 | 0.0013 mg/L | 0.0013 mg/L | 20:46:41 |
| 1 | Ca 315.886† | 761185.2 | 727876.2 | 6.617 mg/L | 6.617 mg/L | 20:46:41 |
| 1 | Cd 228.802† | 1313.0 | 711.9 | 0.0095 mg/L | 0.0095 mg/L | 20:47:07 |

| | | | | | | |
|---|-------------|-----------|-----------|--------------|--------------|----------|
| 1 | Co 228.616† | 1090.6 | 1207.4 | 0.0182 mg/L | 0.0182 mg/L | 20:47:07 |
| 1 | Cr 267.716† | 15688.5 | 13554.7 | 0.1220 mg/L | 0.1220 mg/L | 20:46:47 |
| 1 | Cu 324.752† | 1285710.8 | 1226807.2 | 5.817 mg/L | 5.817 mg/L | 20:46:41 |
| 1 | Fe 238.204† | 2285674.5 | 2183570.0 | 20.92 mg/L | 20.92 mg/L | 20:46:41 |
| 1 | Fe 234.349† | 673693.2 | 643283.3 | 21.30 mg/L | 21.30 mg/L | 20:46:41 |
| 1 | Mg 279.077† | 54077.2 | 52503.9 | 3.156 mg/L | 3.156 mg/L | 20:46:47 |
| 1 | Mn 257.610† | 471245.9 | 449150.8 | 0.5176 mg/L | 0.5176 mg/L | 20:46:41 |
| 1 | Mo 202.031† | 183.9 | 95.4 | 0.0134 mg/L | 0.0134 mg/L | 20:47:07 |
| 1 | Na 330.237† | 2360.1 | 751.3 | 1.617 mg/L | 1.617 mg/L | 20:46:47 |
| 1 | Ni 231.604† | 52704.9 | 46245.6 | 1.093 mg/L | 1.093 mg/L | 20:46:47 |
| 1 | Pb 220.353† | 10788.0 | 10264.1 | 1.389 mg/L | 1.389 mg/L | 20:46:47 |
| 1 | Sb 206.836† | 78.2 | 23.0 | 0.0057 mg/L | 0.0057 mg/L | 20:47:07 |
| 1 | Se 196.026† | -20.1 | -3.0 | -0.0046 mg/L | -0.0046 mg/L | 20:47:07 |
| 1 | Sn 189.927† | 863.8 | 635.9 | 0.3034 mg/L | 0.3034 mg/L | 20:47:07 |
| 1 | Ti 337.279† | 302472.3 | 288781.8 | 0.5233 mg/L | 0.5233 mg/L | 20:46:41 |
| 1 | Tl 190.801† | 8.1 | 25.8 | 0.0152 mg/L | 0.0152 mg/L | 20:47:07 |
| 1 | V 292.402† | 586445.7 | 558266.7 | 3.031 mg/L | 3.031 mg/L | 20:46:41 |
| 1 | Zn 213.857† | 80837.4 | 76217.1 | 0.9664 mg/L | 0.9664 mg/L | 20:46:47 |
| 2 | Y 360.073 | 2087080.4 | 2087080.4 | 1.05 mg/L | | 20:47:14 |
| 2 | Ag 328.068† | 55894.2 | 52873.5 | 0.1919 mg/L | 0.1919 mg/L | 20:47:20 |
| 2 | Al 237.313† | 70000.4 | 67108.2 | 9.556 mg/L | 9.556 mg/L | 20:47:20 |
| 2 | As 188.979† | 4.4 | 13.4 | 0.0263 mg/L | 0.0263 mg/L | 20:47:40 |
| 2 | B 182.528† | -6.8 | 15.2 | 0.0197 mg/L | 0.0197 mg/L | 20:47:40 |
| 2 | Ba 233.527† | 47212.3 | 44859.1 | 0.2913 mg/L | 0.2913 mg/L | 20:47:20 |
| 2 | Be 313.107† | 9039.6 | 5509.7 | 0.0012 mg/L | 0.0012 mg/L | 20:47:14 |
| 2 | Ca 315.886† | 753925.9 | 720121.7 | 6.547 mg/L | 6.547 mg/L | 20:47:14 |
| 2 | Cd 228.802† | 1276.2 | 675.3 | 0.0090 mg/L | 0.0090 mg/L | 20:47:40 |
| 2 | Co 228.616† | 1093.9 | 1209.3 | 0.0183 mg/L | 0.0183 mg/L | 20:47:40 |
| 2 | Cr 267.716† | 15699.4 | 13548.1 | 0.1219 mg/L | 0.1219 mg/L | 20:47:20 |
| 2 | Cu 324.752† | 1278586.9 | 1218614.3 | 5.778 mg/L | 5.778 mg/L | 20:47:14 |
| 2 | Fe 238.204† | 2264376.5 | 2160762.2 | 20.70 mg/L | 20.70 mg/L | 20:47:14 |
| 2 | Fe 234.349† | 667382.0 | 636528.6 | 21.08 mg/L | 21.08 mg/L | 20:47:14 |
| 2 | Mg 279.077† | 53692.0 | 52077.6 | 3.130 mg/L | 3.130 mg/L | 20:47:20 |
| 2 | Mn 257.610† | 467241.2 | 444817.4 | 0.5125 mg/L | 0.5125 mg/L | 20:47:14 |
| 2 | Mo 202.031† | 187.5 | 98.6 | 0.0137 mg/L | 0.0137 mg/L | 20:47:40 |
| 2 | Na 330.237† | 2418.0 | 804.0 | 1.689 mg/L | 1.689 mg/L | 20:47:20 |
| 2 | Ni 231.604† | 52407.6 | 45904.7 | 1.085 mg/L | 1.085 mg/L | 20:47:20 |
| 2 | Pb 220.353† | 10745.0 | 10211.3 | 1.382 mg/L | 1.382 mg/L | 20:47:20 |
| 2 | Sb 206.836† | 82.9 | 27.4 | 0.0071 mg/L | 0.0071 mg/L | 20:47:40 |
| 2 | Se 196.026† | -14.1 | 2.7 | 0.0060 mg/L | 0.0060 mg/L | 20:47:40 |
| 2 | Sn 189.927† | 835.7 | 608.2 | 0.2906 mg/L | 0.2906 mg/L | 20:47:40 |
| 2 | Ti 337.279† | 298870.1 | 285015.2 | 0.5164 mg/L | 0.5164 mg/L | 20:47:14 |
| 2 | Tl 190.801† | -1.8 | 16.3 | 0.0057 mg/L | 0.0057 mg/L | 20:47:40 |
| 2 | V 292.402† | 581468.2 | 552879.7 | 3.002 mg/L | 3.002 mg/L | 20:47:14 |
| 2 | Zn 213.857† | 80379.8 | 75692.7 | 0.9597 mg/L | 0.9597 mg/L | 20:47:20 |

Mean Data: 0608248-01X5

| Analyte | Mean Corrected Intensity | Calib Conc. Units | Std.Dev. | Sample Conc. Units | Std.Dev. | RSD |
|-------------|--------------------------|-------------------|----------|--------------------|----------|--------|
| Y 360.073 | 2085898.8 | 1.05 mg/L | 0.001 | | | 0.08% |
| Ag 328.068† | 53068.9 | 0.1926 mg/L | 0.00100 | 0.1926 mg/L | 0.00100 | 0.52% |
| Al 237.313† | 67371.4 | 9.593 mg/L | 0.0527 | 9.593 mg/L | 0.0527 | 0.55% |
| As 188.979† | 10.8 | 0.0221 mg/L | 0.00586 | 0.0221 mg/L | 0.00586 | 26.46% |
| B 182.528† | 13.9 | 0.0183 mg/L | 0.00188 | 0.0183 mg/L | 0.00188 | 10.29% |
| Ba 233.527† | 44989.6 | 0.2922 mg/L | 0.00120 | 0.2922 mg/L | 0.00120 | 0.41% |
| Be 313.107† | 5648.2 | 0.0013 mg/L | 0.00004 | 0.0013 mg/L | 0.00004 | 3.50% |
| Ca 315.886† | 723999.0 | 6.582 mg/L | 0.0499 | 6.582 mg/L | 0.0499 | 0.76% |
| Cd 228.802† | 693.6 | 0.0093 mg/L | 0.00038 | 0.0093 mg/L | 0.00038 | 4.12% |
| Co 228.616† | 1208.4 | 0.0182 mg/L | 0.00004 | 0.0182 mg/L | 0.00004 | 0.20% |
| Cr 267.716† | 13551.4 | 0.1220 mg/L | 0.00005 | 0.1220 mg/L | 0.00005 | 0.04% |
| Cu 324.752† | 1222710.7 | 5.798 mg/L | 0.0275 | 5.798 mg/L | 0.0275 | 0.47% |
| Fe 238.204† | 2172166.1 | 20.81 mg/L | 0.155 | 20.81 mg/L | 0.155 | 0.74% |
| Fe 234.349† | 639905.9 | 21.19 mg/L | 0.158 | 21.19 mg/L | 0.158 | 0.75% |
| Mg 279.077† | 52290.8 | 3.143 mg/L | 0.0180 | 3.143 mg/L | 0.0180 | 0.57% |
| Mn 257.610† | 446984.1 | 0.5151 mg/L | 0.00354 | 0.5151 mg/L | 0.00354 | 0.69% |
| Mo 202.031† | 97.0 | 0.0135 mg/L | 0.00021 | 0.0135 mg/L | 0.00021 | 1.58% |
| Na 330.237† | 777.6 | 1.653 mg/L | 0.0516 | 1.653 mg/L | 0.0516 | 3.12% |
| Ni 231.604† | 46075.2 | 1.089 mg/L | 0.0057 | 1.089 mg/L | 0.0057 | 0.52% |
| Pb 220.353† | 10237.7 | 1.385 mg/L | 0.0050 | 1.385 mg/L | 0.0050 | 0.36% |
| Sb 206.836† | 25.2 | 0.0064 mg/L | 0.00099 | 0.0064 mg/L | 0.00099 | 15.44% |

| | | | | | | |
|-------------|----------|-------------|---------|-------------|---------|---------|
| Se 196.026† | -0.2 | 0.0007 mg/L | 0.00748 | 0.0007 mg/L | 0.00748 | >999.9% |
| Sn 189.927† | 622.0 | 0.2970 mg/L | 0.00910 | 0.2970 mg/L | 0.00910 | 3.06% |
| Ti 337.279† | 286898.5 | 0.5198 mg/L | 0.00484 | 0.5198 mg/L | 0.00484 | 0.93% |
| Tl 190.801† | 21.0 | 0.0105 mg/L | 0.00674 | 0.0105 mg/L | 0.00674 | 64.45% |
| V 292.402† | 555573.2 | 3.017 mg/L | 0.0207 | 3.017 mg/L | 0.0207 | 0.69% |
| Zn 213.857† | 75954.9 | 0.9630 mg/L | 0.00471 | 0.9630 mg/L | 0.00471 | 0.49% |

Sequence No.: 20
 Sample ID: 0608248-02X5
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 14
 Date Collected: 8/14/2006 8:49:18 PM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Replicate Data: 0608248-02X5

| Repl# | Analyte | Net Intensity | Corrected Intensity | Conc. Units | Sample Conc. Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------------|--------------------|---------------|
| 1 | Y 360.073 | 2098052.6 | 2098052.6 | 1.05 mg/L | | 20:50:56 |
| 1 | Ag 328.068† | 36960.7 | 34612.3 | 0.1254 mg/L | 0.1254 mg/L | 20:51:01 |
| 1 | Al 237.313† | 116244.8 | 110679.1 | 15.70 mg/L | 15.70 mg/L | 20:51:01 |
| 1 | As 188.979† | -1.0 | 8.3 | 0.0198 mg/L | 0.0198 mg/L | 20:51:21 |
| 1 | B 182.528† | -8.0 | 14.1 | 0.0185 mg/L | 0.0185 mg/L | 20:51:21 |
| 1 | Ba 233.527† | 32226.3 | 30390.5 | 0.1983 mg/L | 0.1983 mg/L | 20:51:01 |
| 1 | Be 313.107† | 7338.1 | 3848.6 | 0.0009 mg/L | 0.0009 mg/L | 20:51:01 |
| 1 | Ca 315.886† | 2438469.4 | 2316246.1 | 21.07 mg/L | 21.07 mg/L | 20:50:56 |
| 1 | Cd 228.802† | 1055.5 | 459.3 | 0.0061 mg/L | 0.0061 mg/L | 20:51:21 |
| 1 | Co 228.616† | 528.7 | 667.1 | 0.0086 mg/L | 0.0086 mg/L | 20:51:21 |
| 1 | Cr 267.716† | 12536.9 | 10466.1 | 0.0950 mg/L | 0.0950 mg/L | 20:51:01 |
| 1 | Cu 324.752† | 593188.5 | 561275.8 | 2.663 mg/L | 2.663 mg/L | 20:50:56 |
| 1 | Fe 238.204† | 4619721.5 | 4386436.1 | 42.01 mg/L | 42.01 mg/L | 20:50:56 |
| 1 | Fe 234.349† | 1381540.7 | 1311465.9 | 43.45 mg/L | 43.45 mg/L | 20:50:56 |
| 1 | Mg 279.077† | 91206.3 | 87438.6 | 5.243 mg/L | 5.243 mg/L | 20:51:01 |
| 1 | Mn 257.610† | 568220.8 | 538389.5 | 0.6213 mg/L | 0.6213 mg/L | 20:50:56 |
| 1 | Mo 202.031† | 84.2 | -0.4 | 0.0030 mg/L | 0.0030 mg/L | 20:51:21 |
| 1 | Na 330.237† | 2359.4 | 736.3 | 1.630 mg/L | 1.630 mg/L | 20:51:01 |
| 1 | Ni 231.604† | 8143.0 | 3602.9 | 0.0859 mg/L | 0.0859 mg/L | 20:51:01 |
| 1 | Pb 220.353† | 8717.8 | 8232.3 | 1.114 mg/L | 1.114 mg/L | 20:51:01 |
| 1 | Sb 206.836† | 50.4 | -3.9 | -0.0025 mg/L | -0.0025 mg/L | 20:51:21 |
| 1 | Se 196.026† | -16.8 | 0.1 | 0.0013 mg/L | 0.0013 mg/L | 20:51:21 |
| 1 | Sn 189.927† | 531.4 | 315.0 | 0.1553 mg/L | 0.1553 mg/L | 20:51:21 |
| 1 | Ti 337.279† | 453276.3 | 430169.6 | 0.7801 mg/L | 0.7801 mg/L | 20:50:56 |
| 1 | Tl 190.801† | -42.0 | -21.9 | -0.0099 mg/L | -0.0099 mg/L | 20:51:21 |
| 1 | V 292.402† | 14639.8 | 11633.4 | 0.0638 mg/L | 0.0638 mg/L | 20:51:01 |
| 1 | Zn 213.857† | 154401.3 | 145593.0 | 1.865 mg/L | 1.865 mg/L | 20:51:01 |
| 2 | Y 360.073 | 2086874.1 | 2086874.1 | 1.05 mg/L | | 20:51:30 |
| 2 | Ag 328.068† | 37249.3 | 35075.9 | 0.1271 mg/L | 0.1271 mg/L | 20:51:36 |
| 2 | Al 237.313† | 117572.2 | 112537.9 | 15.97 mg/L | 15.97 mg/L | 20:51:36 |
| 2 | As 188.979† | -1.1 | 8.3 | 0.0197 mg/L | 0.0197 mg/L | 20:51:56 |
| 2 | B 182.528† | -15.8 | 6.6 | 0.0107 mg/L | 0.0107 mg/L | 20:51:56 |
| 2 | Ba 233.527† | 32446.0 | 30764.2 | 0.2007 mg/L | 0.2007 mg/L | 20:51:36 |
| 2 | Be 313.107† | 7287.5 | 3837.5 | 0.0009 mg/L | 0.0009 mg/L | 20:51:36 |
| 2 | Ca 315.886† | 2438337.2 | 2328525.4 | 21.18 mg/L | 21.18 mg/L | 20:51:30 |
| 2 | Cd 228.802† | 1040.4 | 450.3 | 0.0060 mg/L | 0.0060 mg/L | 20:51:56 |
| 2 | Co 228.616† | 522.6 | 664.0 | 0.0086 mg/L | 0.0086 mg/L | 20:51:56 |
| 2 | Cr 267.716† | 12634.2 | 10622.8 | 0.0964 mg/L | 0.0964 mg/L | 20:51:36 |
| 2 | Cu 324.752† | 590638.3 | 561858.5 | 2.665 mg/L | 2.665 mg/L | 20:51:30 |
| 2 | Fe 238.204† | 4618397.0 | 4408673.7 | 42.23 mg/L | 42.23 mg/L | 20:51:30 |
| 2 | Fe 234.349† | 1380631.2 | 1317625.8 | 43.66 mg/L | 43.66 mg/L | 20:51:30 |
| 2 | Mg 279.077† | 91963.4 | 88625.5 | 5.315 mg/L | 5.315 mg/L | 20:51:36 |
| 2 | Mn 257.610† | 567873.7 | 540948.7 | 0.6243 mg/L | 0.6243 mg/L | 20:51:30 |
| 2 | Mo 202.031† | 95.3 | 10.7 | 0.0042 mg/L | 0.0042 mg/L | 20:51:56 |
| 2 | Na 330.237† | 2319.8 | 710.5 | 1.592 mg/L | 1.592 mg/L | 20:51:36 |
| 2 | Ni 231.604† | 8100.3 | 3603.5 | 0.0859 mg/L | 0.0859 mg/L | 20:51:36 |
| 2 | Pb 220.353† | 8825.3 | 8379.3 | 1.134 mg/L | 1.134 mg/L | 20:51:36 |
| 2 | Sb 206.836† | 55.3 | 1.0 | -0.0009 mg/L | -0.0009 mg/L | 20:51:56 |
| 2 | Se 196.026† | -20.9 | -3.8 | -0.0060 mg/L | -0.0060 mg/L | 20:51:56 |
| 2 | Sn 189.927† | 522.7 | 309.4 | 0.1528 mg/L | 0.1528 mg/L | 20:51:56 |
| 2 | Ti 337.279† | 451888.8 | 431150.8 | 0.7819 mg/L | 0.7819 mg/L | 20:51:30 |
| 2 | Tl 190.801† | -34.2 | -14.6 | -0.0024 mg/L | -0.0024 mg/L | 20:51:56 |
| 2 | V 292.402† | 14736.5 | 11800.2 | 0.0647 mg/L | 0.0647 mg/L | 20:51:36 |

2 Zn 213.857+ 156156.4 148054.3 1.897 mg/L 1.897 mg/L 20:51:36

Mean Data: 0608248-02X5

| Analyte | Mean Corrected | | Calib Conc. Units | Std.Dev. | Sample | | Std.Dev. | RSD |
|-------------|----------------|---------|----------------------|----------|---------|-------|----------|---------|
| | Intensity | Conc. | | | Conc. | Units | | |
| Y 360.073 | 2092463.3 | 1.05 | mg/L | 0.004 | | | | 0.38% |
| Ag 328.068+ | 34844.1 | 0.1262 | mg/L | 0.00118 | 0.1262 | mg/L | 0.00118 | 0.93% |
| Al 237.313+ | 111608.5 | 15.83 | mg/L | 0.189 | 15.83 | mg/L | 0.189 | 1.19% |
| As 188.979+ | 8.3 | 0.0197 | mg/L | 0.00007 | 0.0197 | mg/L | 0.00007 | 0.34% |
| B 182.528+ | 10.3 | 0.0146 | mg/L | 0.00550 | 0.0146 | mg/L | 0.00550 | 37.76% |
| Ba 233.527+ | 30577.3 | 0.1995 | mg/L | 0.00174 | 0.1995 | mg/L | 0.00174 | 0.87% |
| Be 313.107+ | 3843.1 | 0.0009 | mg/L | 0.00000 | 0.0009 | mg/L | 0.00000 | 0.14% |
| Ca 315.886+ | 2322385.7 | 21.12 | mg/L | 0.079 | 21.12 | mg/L | 0.079 | 0.37% |
| Cd 228.802+ | 454.8 | 0.0061 | mg/L | 0.00009 | 0.0061 | mg/L | 0.00009 | 1.57% |
| Co 228.616+ | 665.5 | 0.0086 | mg/L | 0.00004 | 0.0086 | mg/L | 0.00004 | 0.49% |
| Cr 267.716+ | 10544.5 | 0.0957 | mg/L | 0.00099 | 0.0957 | mg/L | 0.00099 | 1.03% |
| Cu 324.752+ | 561567.1 | 2.664 | mg/L | 0.0020 | 2.664 | mg/L | 0.0020 | 0.07% |
| Fe 238.204+ | 4397554.9 | 42.12 | mg/L | 0.151 | 42.12 | mg/L | 0.151 | 0.36% |
| Fe 234.349+ | 1314545.8 | 43.55 | mg/L | 0.144 | 43.55 | mg/L | 0.144 | 0.33% |
| Mg 279.077+ | 88032.1 | 5.279 | mg/L | 0.0509 | 5.279 | mg/L | 0.0509 | 0.96% |
| Mn 257.610+ | 539669.1 | 0.6228 | mg/L | 0.00209 | 0.6228 | mg/L | 0.00209 | 0.34% |
| Mo 202.031+ | 5.2 | 0.0036 | mg/L | 0.00082 | 0.0036 | mg/L | 0.00082 | 22.62% |
| Na 330.237+ | 723.4 | 1.611 | mg/L | 0.0264 | 1.611 | mg/L | 0.0264 | 1.64% |
| Ni 231.604+ | 3603.2 | 0.0859 | mg/L | 0.00001 | 0.0859 | mg/L | 0.00001 | 0.01% |
| Pb 220.353+ | 8305.8 | 1.124 | mg/L | 0.0141 | 1.124 | mg/L | 0.0141 | 1.25% |
| Sb 206.836+ | -1.4 | -0.0017 | mg/L | 0.00110 | -0.0017 | mg/L | 0.00110 | 64.21% |
| Se 196.026+ | -1.8 | -0.0023 | mg/L | 0.00519 | -0.0023 | mg/L | 0.00519 | 221.99% |
| Sn 189.927+ | 312.2 | 0.1541 | mg/L | 0.00182 | 0.1541 | mg/L | 0.00182 | 1.18% |
| Ti 337.279+ | 430660.2 | 0.7810 | mg/L | 0.00126 | 0.7810 | mg/L | 0.00126 | 0.16% |
| Tl 190.801+ | -18.3 | -0.0062 | mg/L | 0.00525 | -0.0062 | mg/L | 0.00525 | 85.23% |
| V 292.402+ | 11716.8 | 0.0643 | mg/L | 0.00065 | 0.0643 | mg/L | 0.00065 | 1.01% |
| Zn 213.857+ | 146823.7 | 1.881 | mg/L | 0.0223 | 1.881 | mg/L | 0.0223 | 1.19% |

Sequence No.: 21
 Sample ID: 0608248-03X10
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 15
 Date Collected: 8/14/2006 8:53:35 PM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Replicate Data: 0608248-03X10

| Repl# | Analyte | Net | | Calib. Conc. Units | Sample Conc. Units | Analysis Time |
|-------|-------------|-----------|------------------------|-----------------------|-----------------------|------------------|
| | | Intensity | Corrected Intensity | | | |
| 1 | Y 360.073 | 2042164.8 | 2042164.8 | 1.02 mg/L | | 20:55:11 |
| 1 | Ag 328.068+ | 30425.0 | 29195.9 | 0.1059 mg/L | 0.1059 mg/L | 20:55:16 |
| 1 | Al 237.313+ | 34386.0 | 33827.8 | 4.774 mg/L | 4.774 mg/L | 20:55:16 |
| 1 | As 188.979+ | -9.6 | -0.1 | 0.0029 mg/L | 0.0029 mg/L | 20:55:36 |
| 1 | B 182.528+ | -14.7 | 7.3 | 0.0114 mg/L | 0.0114 mg/L | 20:55:36 |
| 1 | Ba 233.527+ | 44042.4 | 42757.4 | 0.2797 mg/L | 0.2797 mg/L | 20:55:16 |
| 1 | Be 313.107+ | 4399.3 | 1171.8 | 0.0003 mg/L | 0.0003 mg/L | 20:55:11 |
| 1 | Ca 315.886+ | 288641.2 | 281957.2 | 2.554 mg/L | 2.554 mg/L | 20:55:11 |
| 1 | Cd 228.802+ | 819.6 | 256.6 | 0.0039 mg/L | 0.0039 mg/L | 20:55:36 |
| 1 | Co 228.616+ | 50.5 | 214.2 | 0.0017 mg/L | 0.0017 mg/L | 20:55:36 |
| 1 | Cr 267.716+ | 28523.0 | 26390.3 | 0.2350 mg/L | 0.2350 mg/L | 20:55:16 |
| 1 | Cu 324.752+ | 941691.2 | 916740.9 | 4.347 mg/L | 4.347 mg/L | 20:55:11 |
| 1 | Fe 238.204+ | 1852416.9 | 1806346.5 | 17.30 mg/L | 17.30 mg/L | 20:55:11 |
| 1 | Fe 234.349+ | 543819.6 | 529978.1 | 17.55 mg/L | 17.55 mg/L | 20:55:11 |
| 1 | Mg 279.077+ | 20212.4 | 20537.8 | 1.215 mg/L | 1.215 mg/L | 20:55:16 |
| 1 | Mn 257.610+ | 182224.5 | 176527.3 | 0.2026 mg/L | 0.2026 mg/L | 20:55:11 |
| 1 | Mo 202.031+ | 108.0 | 25.1 | 0.0038 mg/L | 0.0038 mg/L | 20:55:36 |
| 1 | Na 330.237+ | 2022.0 | 468.4 | 1.048 mg/L | 1.048 mg/L | 20:55:16 |
| 1 | Ni 231.604+ | 6852.9 | 2555.7 | 0.0611 mg/L | 0.0611 mg/L | 20:55:16 |
| 1 | Pb 220.353+ | 8474.0 | 8221.1 | 1.112 mg/L | 1.112 mg/L | 20:55:16 |
| 1 | Sb 206.836+ | 64.9 | 11.6 | 0.0007 mg/L | 0.0007 mg/L | 20:55:36 |
| 1 | Se 196.026+ | -18.1 | -1.5 | -0.0018 mg/L | -0.0018 mg/L | 20:55:36 |
| 1 | Sn 189.927+ | 749.0 | 541.1 | 0.2588 mg/L | 0.2588 mg/L | 20:55:36 |
| 1 | Ti 337.279+ | 132839.2 | 129288.4 | 0.2335 mg/L | 0.2335 mg/L | 20:55:11 |
| 1 | Tl 190.801+ | -27.0 | -8.4 | -0.0031 mg/L | -0.0031 mg/L | 20:55:36 |
| 1 | V 292.402+ | 5319.1 | 2919.3 | 0.0180 mg/L | 0.0180 mg/L | 20:55:16 |

| | | | | | | |
|---|-------------|-----------|-----------|--------------|--------------|----------|
| 1 | Zn 213.857† | 262653.4 | 255231.8 | 3.272 mg/L | 3.272 mg/L | 20:55:11 |
| 2 | Y 360.073 | 2042277.3 | 2042277.3 | 1.02 mg/L | | 20:55:44 |
| 2 | Ag 328.068† | 30287.8 | 29060.4 | 0.1054 mg/L | 0.1054 mg/L | 20:55:49 |
| 2 | Al 237.313† | 34149.5 | 33595.1 | 4.742 mg/L | 4.742 mg/L | 20:55:49 |
| 2 | As 188.979† | -10.4 | -0.9 | 0.0016 mg/L | 0.0016 mg/L | 20:56:09 |
| 2 | B 182.528† | -15.0 | 7.1 | 0.0112 mg/L | 0.0112 mg/L | 20:56:09 |
| 2 | Ba 233.527† | 43768.7 | 42488.0 | 0.2779 mg/L | 0.2779 mg/L | 20:55:49 |
| 2 | Be 313.107† | 4476.9 | 1247.3 | 0.0003 mg/L | 0.0003 mg/L | 20:55:44 |
| 2 | Ca 315.886† | 284208.6 | 277617.0 | 2.514 mg/L | 2.514 mg/L | 20:55:44 |
| 2 | Cd 228.802† | 821.5 | 258.5 | 0.0039 mg/L | 0.0039 mg/L | 20:56:09 |
| 2 | Co 228.616† | 77.4 | 240.5 | 0.0022 mg/L | 0.0022 mg/L | 20:56:09 |
| 2 | Cr 267.716† | 28354.4 | 26224.2 | 0.2335 mg/L | 0.2335 mg/L | 20:55:49 |
| 2 | Cu 324.752† | 929663.9 | 904955.5 | 4.292 mg/L | 4.292 mg/L | 20:55:44 |
| 2 | Fe 238.204† | 1823885.5 | 1778409.3 | 17.03 mg/L | 17.03 mg/L | 20:55:44 |
| 2 | Fe 234.349† | 535375.0 | 521709.7 | 17.28 mg/L | 17.28 mg/L | 20:55:44 |
| 2 | Mg 279.077† | 20052.3 | 20380.5 | 1.206 mg/L | 1.206 mg/L | 20:55:49 |
| 2 | Mn 257.610† | 179246.5 | 173611.8 | 0.1993 mg/L | 0.1993 mg/L | 20:55:44 |
| 2 | Mo 202.031† | 112.6 | 29.5 | 0.0043 mg/L | 0.0043 mg/L | 20:56:09 |
| 2 | Na 330.237† | 1959.5 | 407.3 | 0.9640 mg/L | 0.9640 mg/L | 20:55:49 |
| 2 | Ni 231.604† | 6771.9 | 2476.3 | 0.0593 mg/L | 0.0593 mg/L | 20:55:49 |
| 2 | Pb 220.353† | 8356.3 | 8105.8 | 1.096 mg/L | 1.096 mg/L | 20:55:49 |
| 2 | Sb 206.836† | 63.9 | 10.6 | 0.0004 mg/L | 0.0004 mg/L | 20:56:09 |
| 2 | Se 196.026† | -16.0 | 0.5 | 0.0020 mg/L | 0.0020 mg/L | 20:56:09 |
| 2 | Sn 189.927† | 721.7 | 514.5 | 0.2465 mg/L | 0.2465 mg/L | 20:56:09 |
| 2 | Ti 337.279† | 130561.5 | 127059.0 | 0.2295 mg/L | 0.2295 mg/L | 20:55:44 |
| 2 | Tl 190.801† | -25.6 | -7.0 | -0.0017 mg/L | -0.0017 mg/L | 20:56:09 |
| 2 | V 292.402† | 5255.6 | 2857.0 | 0.0177 mg/L | 0.0177 mg/L | 20:55:49 |
| 2 | Zn 213.857† | 259458.8 | 252100.8 | 3.232 mg/L | 3.232 mg/L | 20:55:44 |

Mean Data: 0608248-03X10

| Analyte | Mean Corrected Intensity | Conc. Units | Calib | Std.Dev. | Sample Conc. Units | Std.Dev. | RSD |
|-------------|--------------------------|--------------|-------|----------|--------------------|----------|---------|
| Y 360.073 | 2042221.1 | 1.02 mg/L | | 0.000 | | | 0.00% |
| Ag 328.068† | 29128.2 | 0.1057 mg/L | | 0.00034 | 0.1057 mg/L | 0.00034 | 0.33% |
| Al 237.313† | 33711.4 | 4.758 mg/L | | 0.0224 | 4.758 mg/L | 0.0224 | 0.47% |
| As 188.979† | -0.5 | 0.0022 mg/L | | 0.00093 | 0.0022 mg/L | 0.00093 | 41.25% |
| B 182.528† | 7.2 | 0.0113 mg/L | | 0.00020 | 0.0113 mg/L | 0.00020 | 1.76% |
| Ba 233.527† | 42622.7 | 0.2788 mg/L | | 0.00125 | 0.2788 mg/L | 0.00125 | 0.45% |
| Be 313.107† | 1209.5 | 0.0003 mg/L | | 0.00001 | 0.0003 mg/L | 0.00001 | 3.78% |
| Ca 315.886† | 279787.1 | 2.534 mg/L | | 0.0279 | 2.534 mg/L | 0.0279 | 1.10% |
| Cd 228.802† | 257.5 | 0.0039 mg/L | | 0.00003 | 0.0039 mg/L | 0.00003 | 0.67% |
| Co 228.616† | 227.3 | 0.0019 mg/L | | 0.00033 | 0.0019 mg/L | 0.00033 | 17.26% |
| Cr 267.716† | 26307.2 | 0.2343 mg/L | | 0.00105 | 0.2343 mg/L | 0.00105 | 0.45% |
| Cu 324.752† | 910848.2 | 4.319 mg/L | | 0.0395 | 4.319 mg/L | 0.0395 | 0.91% |
| Fe 238.204† | 1792377.9 | 17.17 mg/L | | 0.189 | 17.17 mg/L | 0.189 | 1.10% |
| Fe 234.349† | 525843.9 | 17.42 mg/L | | 0.194 | 17.42 mg/L | 0.194 | 1.11% |
| Mg 279.077† | 20459.2 | 1.211 mg/L | | 0.0064 | 1.211 mg/L | 0.0064 | 0.53% |
| Mn 257.610† | 175069.5 | 0.2010 mg/L | | 0.00239 | 0.2010 mg/L | 0.00239 | 1.19% |
| Mo 202.031† | 27.3 | 0.0041 mg/L | | 0.00031 | 0.0041 mg/L | 0.00031 | 7.67% |
| Na 330.237† | 437.8 | 1.006 mg/L | | 0.0592 | 1.006 mg/L | 0.0592 | 5.89% |
| Ni 231.604† | 2516.0 | 0.0602 mg/L | | 0.00133 | 0.0602 mg/L | 0.00133 | 2.20% |
| Pb 220.353† | 8163.5 | 1.104 mg/L | | 0.0110 | 1.104 mg/L | 0.0110 | 1.00% |
| Sb 206.836† | 11.1 | 0.0005 mg/L | | 0.00021 | 0.0005 mg/L | 0.00021 | 40.43% |
| Se 196.026† | -0.5 | 0.0001 mg/L | | 0.00269 | 0.0001 mg/L | 0.00269 | >999.9% |
| Sn 189.927† | 527.8 | 0.2527 mg/L | | 0.00873 | 0.2527 mg/L | 0.00873 | 3.45% |
| Ti 337.279† | 128173.7 | 0.2315 mg/L | | 0.00286 | 0.2315 mg/L | 0.00286 | 1.24% |
| Tl 190.801† | -7.7 | -0.0024 mg/L | | 0.00097 | -0.0024 mg/L | 0.00097 | 40.13% |
| V 292.402† | 2888.2 | 0.0179 mg/L | | 0.00024 | 0.0179 mg/L | 0.00024 | 1.37% |
| Zn 213.857† | 253666.3 | 3.252 mg/L | | 0.0284 | 3.252 mg/L | 0.0284 | 0.87% |

Sequence No.: 22
 Sample ID: 0608248-04X5
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 16
 Date Collected: 8/14/2006 8:57:48 PM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Replicate Data: 0608248-04X5

| Net | Corrected | Calib. | Sample | Analysis |
|-----|-----------|--------|--------|----------|
|-----|-----------|--------|--------|----------|

| Repl# | Analyte | Intensity | Intensity | Conc. Units | Conc. Units | Time |
|-------|-------------|-----------|-----------|--------------|--------------|----------|
| 1 | Y 360.073 | 2057768.2 | 2057768.2 | 1.03 mg/L | | 20:59:32 |
| 1 | Ag 328.068† | 64739.4 | 62198.7 | 0.2247 mg/L | 0.2247 mg/L | 20:59:37 |
| 1 | Al 237.313† | 117472.1 | 114028.9 | 16.02 mg/L | 16.02 mg/L | 20:59:37 |
| 1 | As 188.979† | -1.3 | 8.0 | 0.0192 mg/L | 0.0192 mg/L | 20:59:57 |
| 1 | B 182.528† | -18.0 | 4.3 | 0.0083 mg/L | 0.0083 mg/L | 20:59:57 |
| 1 | Ba 233.527† | 84786.9 | 81886.1 | 0.5371 mg/L | 0.5371 mg/L | 20:59:37 |
| 1 | Be 313.107† | 6892.6 | 3553.6 | 0.0009 mg/L | 0.0009 mg/L | 20:59:32 |
| 1 | Ca 315.886† | 1729400.5 | 1674965.3 | 15.23 mg/L | 15.23 mg/L | 20:59:32 |
| 1 | Cd 228.802† | 1077.4 | 500.2 | 0.0062 mg/L | 0.0062 mg/L | 20:59:57 |
| 1 | Co 228.616† | 615.5 | 761.0 | 0.0103 mg/L | 0.0103 mg/L | 20:59:57 |
| 1 | Cr 267.716† | 13346.6 | 11483.3 | 0.1052 mg/L | 0.1052 mg/L | 20:59:37 |
| 1 | Cu 324.752† | 443421.3 | 427279.4 | 2.027 mg/L | 2.027 mg/L | 20:59:32 |
| 1 | Fe 238.204† | 6894807.5 | 6675385.0 | 63.94 mg/L | 63.94 mg/L | 20:59:25 |
| 1 | Fe 234.349† | 2088703.9 | 2021926.5 | 66.99 mg/L | 66.99 mg/L | 20:59:32 |
| 1 | Mg 279.077† | 77926.4 | 76274.9 | 4.514 mg/L | 4.514 mg/L | 20:59:37 |
| 1 | Mn 257.610† | 715935.4 | 691992.2 | 0.7995 mg/L | 0.7995 mg/L | 20:59:32 |
| 1 | Mo 202.031† | 74.1 | -8.6 | 0.0038 mg/L | 0.0038 mg/L | 20:59:57 |
| 1 | Na 330.237† | 2260.8 | 684.6 | 1.655 mg/L | 1.655 mg/L | 20:59:37 |
| 1 | Ni 231.604† | 8916.5 | 4503.3 | 0.1071 mg/L | 0.1071 mg/L | 20:59:37 |
| 1 | Pb 220.353† | 21315.3 | 20593.1 | 2.784 mg/L | 2.784 mg/L | 20:59:37 |
| 1 | Sb 206.836† | 30.2 | -22.5 | -0.0085 mg/L | -0.0085 mg/L | 20:59:57 |
| 1 | Se 196.026† | -20.9 | -4.0 | -0.0064 mg/L | -0.0064 mg/L | 20:59:57 |
| 1 | Sn 189.927† | 384.5 | 182.7 | 0.0940 mg/L | 0.0940 mg/L | 20:59:57 |
| 1 | Ti 337.279† | 442314.7 | 427982.8 | 0.7762 mg/L | 0.7762 mg/L | 20:59:32 |
| 1 | Tl 190.801† | -37.6 | -18.4 | -0.0038 mg/L | -0.0038 mg/L | 20:59:57 |
| 1 | V 292.402† | 14500.3 | 11770.5 | 0.0646 mg/L | 0.0646 mg/L | 20:59:37 |
| 1 | Zn 213.857† | 150113.8 | 144312.0 | 1.849 mg/L | 1.849 mg/L | 20:59:32 |
| 2 | Y 360.073 | 2057671.8 | 2057671.8 | 1.03 mg/L | | 21:00:12 |
| 2 | Ag 328.068† | 65029.3 | 62482.5 | 0.2257 mg/L | 0.2257 mg/L | 21:00:17 |
| 2 | Al 237.313† | 117835.7 | 114386.3 | 16.07 mg/L | 16.07 mg/L | 21:00:17 |
| 2 | As 188.979† | -3.3 | 6.1 | 0.0161 mg/L | 0.0161 mg/L | 21:00:37 |
| 2 | B 182.528† | -17.8 | 4.5 | 0.0084 mg/L | 0.0084 mg/L | 21:00:37 |
| 2 | Ba 233.527† | 85022.2 | 82117.8 | 0.5387 mg/L | 0.5387 mg/L | 21:00:17 |
| 2 | Be 313.107† | 6824.1 | 3487.6 | 0.0009 mg/L | 0.0009 mg/L | 21:00:12 |
| 2 | Ca 315.886† | 1725952.2 | 1671704.5 | 15.20 mg/L | 15.20 mg/L | 21:00:12 |
| 2 | Cd 228.802† | 1101.1 | 523.2 | 0.0066 mg/L | 0.0066 mg/L | 21:00:37 |
| 2 | Co 228.616† | 620.6 | 765.9 | 0.0104 mg/L | 0.0104 mg/L | 21:00:37 |
| 2 | Cr 267.716† | 13320.0 | 11458.1 | 0.1049 mg/L | 0.1049 mg/L | 21:00:17 |
| 2 | Cu 324.752† | 444468.2 | 428313.3 | 2.032 mg/L | 2.032 mg/L | 21:00:12 |
| 2 | Fe 238.204† | 6966667.1 | 6745285.5 | 64.61 mg/L | 64.61 mg/L | 21:00:04 |
| 2 | Fe 234.349† | 2085477.9 | 2018897.3 | 66.89 mg/L | 66.89 mg/L | 21:00:12 |
| 2 | Mg 279.077† | 78089.9 | 76436.8 | 4.524 mg/L | 4.524 mg/L | 21:00:17 |
| 2 | Mn 257.610† | 714729.5 | 690856.9 | 0.7982 mg/L | 0.7982 mg/L | 21:00:12 |
| 2 | Mo 202.031† | 77.6 | -5.2 | 0.0042 mg/L | 0.0042 mg/L | 21:00:37 |
| 2 | Na 330.237† | 2244.5 | 669.0 | 1.633 mg/L | 1.633 mg/L | 21:00:17 |
| 2 | Ni 231.604† | 8912.0 | 4499.3 | 0.1070 mg/L | 0.1070 mg/L | 21:00:17 |
| 2 | Pb 220.353† | 21305.3 | 20584.4 | 2.783 mg/L | 2.783 mg/L | 21:00:17 |
| 2 | Sb 206.836† | 43.8 | -9.4 | -0.0043 mg/L | -0.0043 mg/L | 21:00:37 |
| 2 | Se 196.026† | -22.1 | -5.2 | -0.0086 mg/L | -0.0086 mg/L | 21:00:37 |
| 2 | Sn 189.927† | 373.2 | 171.6 | 0.0889 mg/L | 0.0889 mg/L | 21:00:37 |
| 2 | Ti 337.279† | 441268.8 | 426990.0 | 0.7744 mg/L | 0.7744 mg/L | 21:00:12 |
| 2 | Tl 190.801† | -37.2 | -18.0 | -0.0035 mg/L | -0.0035 mg/L | 21:00:37 |
| 2 | V 292.402† | 14393.9 | 11668.1 | 0.0641 mg/L | 0.0641 mg/L | 21:00:17 |
| 2 | Zn 213.857† | 149977.0 | 144186.4 | 1.848 mg/L | 1.848 mg/L | 21:00:12 |

Mean Data: 0608248-04X5

| Analyte | Mean Corrected Intensity | Calib Conc. Units | Std.Dev. | Sample Conc. Units | Std.Dev. | RSD |
|-------------|--------------------------|-------------------|----------|--------------------|----------|--------|
| Y 360.073 | 2057720.0 | 1.03 mg/L | 0.000 | | | 0.00% |
| Ag 328.068† | 62340.6 | 0.2252 mg/L | 0.00072 | 0.2252 mg/L | 0.00072 | 0.32% |
| Al 237.313† | 114207.6 | 16.05 mg/L | 0.037 | 16.05 mg/L | 0.037 | 0.23% |
| As 188.979† | 7.0 | 0.0176 mg/L | 0.00216 | 0.0176 mg/L | 0.00216 | 12.27% |
| B 182.528† | 4.4 | 0.0084 mg/L | 0.00012 | 0.0084 mg/L | 0.00012 | 1.41% |
| Ba 233.527† | 82001.9 | 0.5379 mg/L | 0.00108 | 0.5379 mg/L | 0.00108 | 0.20% |
| Be 313.107† | 3520.6 | 0.0009 mg/L | 0.00001 | 0.0009 mg/L | 0.00001 | 1.13% |
| Ca 315.886† | 1673334.9 | 15.22 mg/L | 0.021 | 15.22 mg/L | 0.021 | 0.14% |
| Cd 228.802† | 511.7 | 0.0064 mg/L | 0.00024 | 0.0064 mg/L | 0.00024 | 3.79% |
| Co 228.616† | 763.4 | 0.0103 mg/L | 0.00006 | 0.0103 mg/L | 0.00006 | 0.62% |
| Cr 267.716† | 11470.7 | 0.1051 mg/L | 0.00016 | 0.1051 mg/L | 0.00016 | 0.15% |

| | | | | | | |
|-------------|-----------|--------------|---------|--------------|---------|--------|
| Cu 324.752† | 427796.4 | 2.030 mg/L | 0.0035 | 2.030 mg/L | 0.0035 | 0.17% |
| Fe 238.204† | 6710335.3 | 64.27 mg/L | 0.473 | 64.27 mg/L | 0.473 | 0.74% |
| Fe 234.349† | 2020411.9 | 66.94 mg/L | 0.071 | 66.94 mg/L | 0.071 | 0.11% |
| Mg 279.077† | 76355.9 | 4.519 mg/L | 0.0071 | 4.519 mg/L | 0.0071 | 0.16% |
| Mn 257.610† | 691424.5 | 0.7989 mg/L | 0.00093 | 0.7989 mg/L | 0.00093 | 0.12% |
| Mo 202.031† | -6.9 | 0.0040 mg/L | 0.00025 | 0.0040 mg/L | 0.00025 | 6.22% |
| Na 330.237† | 676.8 | 1.644 mg/L | 0.0156 | 1.644 mg/L | 0.0156 | 0.95% |
| Ni 231.604† | 4501.3 | 0.1071 mg/L | 0.00007 | 0.1071 mg/L | 0.00007 | 0.06% |
| Pb 220.353† | 20588.7 | 2.784 mg/L | 0.0008 | 2.784 mg/L | 0.0008 | 0.03% |
| Sb 206.836† | -15.9 | -0.0064 mg/L | 0.00295 | -0.0064 mg/L | 0.00295 | 45.96% |
| Se 196.026† | -4.6 | -0.0075 mg/L | 0.00154 | -0.0075 mg/L | 0.00154 | 20.52% |
| Sn 189.927† | 177.1 | 0.0915 mg/L | 0.00361 | 0.0915 mg/L | 0.00361 | 3.94% |
| Ti 337.279† | 427486.4 | 0.7753 mg/L | 0.00128 | 0.7753 mg/L | 0.00128 | 0.16% |
| Tl 190.801† | -18.2 | -0.0036 mg/L | 0.00026 | -0.0036 mg/L | 0.00026 | 7.00% |
| V 292.402† | 11719.3 | 0.0643 mg/L | 0.00039 | 0.0643 mg/L | 0.00039 | 0.61% |
| Zn 213.857† | 144249.2 | 1.848 mg/L | 0.0011 | 1.848 mg/L | 0.0011 | 0.06% |

Sequence No.: 23
 Sample ID: 0608248-05X5
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 17
 Date Collected: 8/14/2006 9:02:18 PM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Replicate Data: 0608248-05X5

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. Units | Sample Conc. Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------------------|--------------------|---------------|
| 1 | Y 360.073 | 2065543.8 | 2065543.8 | 1.04 mg/L | | 21:03:58 |
| 1 | Ag 328.068† | 56285.0 | 53806.8 | 0.1945 mg/L | 0.1945 mg/L | 21:04:03 |
| 1 | Al 237.313† | 118515.2 | 114606.9 | 16.08 mg/L | 16.08 mg/L | 21:04:03 |
| 1 | As 188.979† | -4.2 | 5.2 | 0.0151 mg/L | 0.0151 mg/L | 21:04:23 |
| 1 | B 182.528† | -21.0 | 1.4 | 0.0053 mg/L | 0.0053 mg/L | 21:04:23 |
| 1 | Ba 233.527† | 71652.4 | 68906.2 | 0.4517 mg/L | 0.4517 mg/L | 21:04:03 |
| 1 | Be 313.107† | 6726.1 | 3367.9 | 0.0009 mg/L | 0.0009 mg/L | 21:03:58 |
| 1 | Ca 315.886† | 1245773.1 | 1202108.8 | 10.93 mg/L | 10.93 mg/L | 21:03:58 |
| 1 | Cd 228.802† | 1116.2 | 533.7 | 0.0066 mg/L | 0.0066 mg/L | 21:04:23 |
| 1 | Co 228.616† | 593.0 | 737.0 | 0.0098 mg/L | 0.0098 mg/L | 21:04:23 |
| 1 | Cr 267.716† | 11929.3 | 10067.4 | 0.0928 mg/L | 0.0928 mg/L | 21:04:03 |
| 1 | Cu 324.752† | 388199.9 | 372391.3 | 1.767 mg/L | 1.767 mg/L | 21:03:58 |
| 1 | Fe 238.204† | 7284132.7 | 7025831.5 | 67.29 mg/L | 67.29 mg/L | 21:03:50 |
| 1 | Fe 234.349† | 2197407.9 | 2119178.8 | 70.22 mg/L | 70.22 mg/L | 21:03:58 |
| 1 | Mg 279.077† | 75953.4 | 74087.6 | 4.374 mg/L | 4.374 mg/L | 21:04:03 |
| 1 | Mn 257.610† | 689804.7 | 664174.3 | 0.7675 mg/L | 0.7675 mg/L | 21:03:58 |
| 1 | Mo 202.031† | 79.7 | -3.5 | 0.0046 mg/L | 0.0046 mg/L | 21:04:23 |
| 1 | Na 330.237† | 2196.2 | 614.0 | 1.578 mg/L | 1.578 mg/L | 21:04:03 |
| 1 | Ni 231.604† | 8518.8 | 4087.2 | 0.0973 mg/L | 0.0973 mg/L | 21:04:03 |
| 1 | Pb 220.353† | 17736.5 | 17063.0 | 2.307 mg/L | 2.307 mg/L | 21:04:03 |
| 1 | Sb 206.836† | 38.9 | -14.3 | -0.0057 mg/L | -0.0057 mg/L | 21:04:23 |
| 1 | Se 196.026† | -21.9 | -5.0 | -0.0081 mg/L | -0.0081 mg/L | 21:04:23 |
| 1 | Sn 189.927† | 339.7 | 138.0 | 0.0735 mg/L | 0.0735 mg/L | 21:04:23 |
| 1 | Ti 337.279† | 475369.7 | 458258.5 | 0.8312 mg/L | 0.8312 mg/L | 21:03:58 |
| 1 | Tl 190.801† | -33.8 | -14.6 | -0.0003 mg/L | -0.0003 mg/L | 21:04:23 |
| 1 | V 292.402† | 15882.3 | 13050.8 | 0.0714 mg/L | 0.0714 mg/L | 21:04:03 |
| 1 | Zn 213.857† | 142069.1 | 136004.1 | 1.743 mg/L | 1.743 mg/L | 21:04:03 |
| 2 | Y 360.073 | 2052874.7 | 2052874.7 | 1.03 mg/L | | 21:04:37 |
| 2 | Ag 328.068† | 55722.6 | 53596.1 | 0.1937 mg/L | 0.1937 mg/L | 21:04:43 |
| 2 | Al 237.313† | 117426.9 | 114256.1 | 16.03 mg/L | 16.03 mg/L | 21:04:43 |
| 2 | As 188.979† | -6.0 | 3.4 | 0.0122 mg/L | 0.0122 mg/L | 21:05:03 |
| 2 | B 182.528† | -16.0 | 6.2 | 0.0103 mg/L | 0.0103 mg/L | 21:05:03 |
| 2 | Ba 233.527† | 71120.0 | 68816.0 | 0.4511 mg/L | 0.4511 mg/L | 21:04:43 |
| 2 | Be 313.107† | 6894.3 | 3571.2 | 0.0010 mg/L | 0.0010 mg/L | 21:04:37 |
| 2 | Ca 315.886† | 1242335.0 | 1206188.3 | 10.96 mg/L | 10.96 mg/L | 21:04:37 |
| 2 | Cd 228.802† | 1126.5 | 550.4 | 0.0069 mg/L | 0.0069 mg/L | 21:05:03 |
| 2 | Co 228.616† | 597.2 | 744.7 | 0.0099 mg/L | 0.0099 mg/L | 21:05:03 |
| 2 | Cr 267.716† | 11821.6 | 10033.9 | 0.0925 mg/L | 0.0925 mg/L | 21:04:43 |
| 2 | Cu 324.752† | 387732.1 | 374248.4 | 1.776 mg/L | 1.776 mg/L | 21:04:37 |
| 2 | Fe 238.204† | 7249021.9 | 7035117.4 | 67.38 mg/L | 67.38 mg/L | 21:04:30 |
| 2 | Fe 234.349† | 2190340.7 | 2125401.2 | 70.42 mg/L | 70.42 mg/L | 21:04:37 |
| 2 | Mg 279.077† | 75359.7 | 73963.5 | 4.366 mg/L | 4.366 mg/L | 21:04:43 |
| 2 | Mn 257.610† | 687681.3 | 666220.0 | 0.7699 mg/L | 0.7699 mg/L | 21:04:37 |

| | | | | | | |
|---|-------------|----------|----------|--------------|--------------|----------|
| 2 | Mo 202.031† | 71.9 | -10.6 | 0.0039 mg/L | 0.0039 mg/L | 21:05:03 |
| 2 | Na 330.237† | 2227.0 | 657.0 | 1.639 mg/L | 1.639 mg/L | 21:04:43 |
| 2 | Ni 231.604† | 8344.5 | 3968.6 | 0.0945 mg/L | 0.0945 mg/L | 21:04:43 |
| 2 | Pb 220.353† | 17681.9 | 17115.5 | 2.314 mg/L | 2.314 mg/L | 21:04:43 |
| 2 | Sb 206.836† | 42.8 | -10.2 | -0.0044 mg/L | -0.0044 mg/L | 21:05:03 |
| 2 | Se 196.026† | -18.3 | -1.6 | -0.0019 mg/L | -0.0019 mg/L | 21:05:03 |
| 2 | Sn 189.927† | 332.6 | 133.1 | 0.0712 mg/L | 0.0712 mg/L | 21:05:03 |
| 2 | Ti 337.279† | 473095.2 | 458880.9 | 0.8323 mg/L | 0.8323 mg/L | 21:04:37 |
| 2 | Tl 190.801† | -30.9 | -11.9 | 0.0024 mg/L | 0.0024 mg/L | 21:05:03 |
| 2 | V 292.402† | 15773.8 | 13040.1 | 0.0714 mg/L | 0.0714 mg/L | 21:04:43 |
| 2 | Zn 213.857† | 141186.8 | 135993.6 | 1.743 mg/L | 1.743 mg/L | 21:04:43 |

Mean Data: 0608248-05X5

| Analyte | Mean Corrected Intensity | Calib Conc. Units | Std.Dev. | Sample Conc. Units | Std.Dev. | RSD |
|-------------|--------------------------|-------------------|----------|--------------------|----------|---------|
| Y 360.073 | 2059209.2 | 1.03 mg/L | 0.004 | 0.1941 mg/L | 0.00054 | 0.28% |
| Ag 328.068† | 53701.5 | 0.1941 mg/L | 0.00054 | 16.05 mg/L | 0.037 | 0.23% |
| Al 237.313† | 114431.5 | 16.05 mg/L | 0.037 | 0.0137 mg/L | 0.00204 | 14.88% |
| As 188.979† | 4.3 | 0.0137 mg/L | 0.00204 | 0.0078 mg/L | 0.00351 | 45.13% |
| B 182.528† | 3.8 | 0.0078 mg/L | 0.00351 | 0.4514 mg/L | 0.00042 | 0.09% |
| Ba 233.527† | 68861.1 | 0.4514 mg/L | 0.00042 | 0.0009 mg/L | 0.00003 | 3.48% |
| Be 313.107† | 3469.5 | 0.0009 mg/L | 0.00003 | 10.95 mg/L | 0.026 | 0.24% |
| Ca 315.886† | 1204148.5 | 10.95 mg/L | 0.026 | 0.0067 mg/L | 0.00017 | 2.57% |
| Cd 228.802† | 542.0 | 0.0067 mg/L | 0.00017 | 0.0098 mg/L | 0.00009 | 0.96% |
| Co 228.616† | 740.9 | 0.0098 mg/L | 0.00009 | 0.0927 mg/L | 0.00020 | 0.22% |
| Cr 267.716† | 10050.6 | 0.0927 mg/L | 0.00020 | 1.772 mg/L | 0.0062 | 0.35% |
| Cu 324.752† | 373319.9 | 1.772 mg/L | 0.0062 | 67.34 mg/L | 0.063 | 0.09% |
| Fe 238.204† | 7030474.4 | 67.34 mg/L | 0.063 | 70.32 mg/L | 0.146 | 0.21% |
| Fe 234.349† | 2122290.0 | 70.32 mg/L | 0.146 | 4.370 mg/L | 0.0056 | 0.13% |
| Mg 279.077† | 74025.6 | 4.370 mg/L | 0.0056 | 0.7687 mg/L | 0.00168 | 0.22% |
| Mn 257.610† | 665197.1 | 0.7687 mg/L | 0.00168 | 0.0042 mg/L | 0.00051 | 12.06% |
| Mo 202.031† | -7.0 | 0.0042 mg/L | 0.00051 | 1.608 mg/L | 0.0430 | 2.67% |
| Na 330.237† | 635.5 | 1.608 mg/L | 0.0430 | 0.0959 mg/L | 0.00198 | 2.06% |
| Ni 231.604† | 4027.9 | 0.0959 mg/L | 0.00198 | 2.311 mg/L | 0.0050 | 0.22% |
| Pb 220.353† | 17089.3 | 2.311 mg/L | 0.0050 | -0.0051 mg/L | 0.00092 | 18.10% |
| Sb 206.836† | -12.2 | -0.0051 mg/L | 0.00092 | -0.0050 mg/L | 0.00439 | 87.08% |
| Se 196.026† | -3.3 | -0.0050 mg/L | 0.00439 | 0.0723 mg/L | 0.00161 | 2.23% |
| Sn 189.927† | 135.5 | 0.0723 mg/L | 0.00161 | 0.8317 mg/L | 0.00080 | 0.10% |
| Ti 337.279† | 458569.7 | 0.8317 mg/L | 0.00080 | 0.0010 mg/L | 0.00195 | 186.27% |
| Tl 190.801† | -13.3 | 0.0010 mg/L | 0.00195 | 0.0714 mg/L | 0.00004 | 0.06% |
| V 292.402† | 13045.5 | 0.0714 mg/L | 0.00004 | 1.743 mg/L | 0.0001 | 0.00% |
| Zn 213.857† | 135998.9 | 1.743 mg/L | 0.0001 | | | |

Sequence No.: 24
 Sample ID: 0608248-06
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 18
 Date Collected: 8/14/2006 9:06:39 PM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Replicate Data: 0608248-06

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. Units | Sample Conc. Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------------------|--------------------|---------------|
| 1 | Y 360.073 | 2085174.3 | 2085174.3 | 1.05 mg/L | | 21:08:19 |
| 1 | Ag 328.068† | 28554.0 | 26795.7 | 0.0973 mg/L | 0.0973 mg/L | 21:08:25 |
| 1 | Al 237.313† | 304832.1 | 291577.2 | 41.21 mg/L | 41.21 mg/L | 21:08:25 |
| 1 | As 188.979† | -6.2 | 3.3 | 0.0226 mg/L | 0.0226 mg/L | 21:08:45 |
| 1 | B 182.528† | -15.6 | 6.8 | 0.0109 mg/L | 0.0109 mg/L | 21:08:45 |
| 1 | Ba 233.527† | 43098.0 | 40968.5 | 0.2679 mg/L | 0.2679 mg/L | 21:08:25 |
| 1 | Be 313.107† | 11987.3 | 8334.5 | 0.0022 mg/L | 0.0022 mg/L | 21:08:25 |
| 1 | Ca 315.886† | 1012146.3 | 967538.2 | 8.793 mg/L | 8.793 mg/L | 21:08:19 |
| 1 | Cd 228.802† | 1179.7 | 584.2 | 0.0056 mg/L | 0.0056 mg/L | 21:08:45 |
| 1 | Co 228.616† | 1665.8 | 1756.8 | 0.0242 mg/L | 0.0242 mg/L | 21:08:45 |
| 1 | Cr 267.716† | 23537.3 | 21051.8 | 0.1931 mg/L | 0.1931 mg/L | 21:08:25 |
| 1 | Cu 324.752† | 442716.8 | 420962.6 | 1.998 mg/L | 1.998 mg/L | 21:08:19 |
| 1 | Fe 238.204† | 13417262.3 | 12820569.0 | 122.8 mg/L | 122.8 mg/L | 21:08:13 |
| 1 | Fe 234.349† | 4229484.2 | 4041098.3 | 133.9 mg/L | 133.9 mg/L | 21:08:13 |
| 1 | Mg 279.077† | 188871.8 | 181303.9 | 10.78 mg/L | 10.78 mg/L | 21:08:25 |
| 1 | Mn 257.610† | 1341612.7 | 1280784.9 | 1.482 mg/L | 1.482 mg/L | 21:08:19 |

| | | | | | | |
|---|-------------|------------|------------|--------------|--------------|----------|
| 1 | Mo 202.031† | 70.1 | -13.3 | 0.0080 mg/L | 0.0080 mg/L | 21:08:45 |
| 1 | Na 330.237† | 4955.1 | 3230.6 | 5.483 mg/L | 5.483 mg/L | 21:08:25 |
| 1 | Ni 231.604† | 9678.6 | 5118.1 | 0.1216 mg/L | 0.1216 mg/L | 21:08:45 |
| 1 | Pb 220.353† | 12822.3 | 12205.8 | 1.651 mg/L | 1.651 mg/L | 21:08:25 |
| 1 | Sb 206.836† | 26.2 | -26.7 | -0.0109 mg/L | -0.0109 mg/L | 21:08:45 |
| 1 | Se 196.026† | -23.0 | -5.9 | -0.0098 mg/L | -0.0098 mg/L | 21:08:45 |
| 1 | Sn 189.927† | 522.2 | 309.3 | 0.1569 mg/L | 0.1569 mg/L | 21:08:45 |
| 1 | Ti 337.279† | 1486217.2 | 1419919.0 | 2.578 mg/L | 2.578 mg/L | 21:08:19 |
| 1 | Tl 190.801† | -58.9 | -38.3 | -0.0097 mg/L | -0.0097 mg/L | 21:08:45 |
| 1 | V 292.402† | 18555.9 | 15461.5 | 0.0837 mg/L | 0.0837 mg/L | 21:08:25 |
| 1 | Zn 213.857† | 178477.0 | 169505.7 | 2.174 mg/L | 2.174 mg/L | 21:08:25 |
| 2 | Y 360.073 | 2085648.2 | 2085648.2 | 1.05 mg/L | 1.05 mg/L | 21:09:00 |
| 2 | Ag 328.068† | 28467.1 | 26706.4 | 0.0970 mg/L | 0.0970 mg/L | 21:09:05 |
| 2 | Al 237.313† | 304473.6 | 291168.5 | 41.16 mg/L | 41.16 mg/L | 21:09:05 |
| 2 | As 188.979† | -9.6 | 0.1 | 0.0175 mg/L | 0.0175 mg/L | 21:09:25 |
| 2 | B 182.528† | -22.4 | 0.4 | 0.0042 mg/L | 0.0042 mg/L | 21:09:25 |
| 2 | Ba 233.527† | 42866.8 | 40738.3 | 0.2663 mg/L | 0.2663 mg/L | 21:09:05 |
| 2 | Be 313.107† | 12099.2 | 8438.7 | 0.0022 mg/L | 0.0022 mg/L | 21:09:05 |
| 2 | Ca 315.886† | 1010819.2 | 966050.5 | 8.779 mg/L | 8.779 mg/L | 21:09:00 |
| 2 | Cd 228.802† | 1173.8 | 578.4 | 0.0056 mg/L | 0.0056 mg/L | 21:09:25 |
| 2 | Co 228.616† | 1675.1 | 1765.3 | 0.0243 mg/L | 0.0243 mg/L | 21:09:25 |
| 2 | Cr 267.716† | 23626.6 | 21132.0 | 0.1938 mg/L | 0.1938 mg/L | 21:09:05 |
| 2 | Cu 324.752† | 440497.0 | 418745.8 | 1.988 mg/L | 1.988 mg/L | 21:09:00 |
| 2 | Fe 238.204† | 13387111.9 | 12788850.2 | 122.5 mg/L | 122.5 mg/L | 21:08:53 |
| 2 | Fe 234.349† | 4219901.2 | 4031024.4 | 133.6 mg/L | 133.6 mg/L | 21:08:53 |
| 2 | Mg 279.077† | 188676.0 | 181075.8 | 10.77 mg/L | 10.77 mg/L | 21:09:05 |
| 2 | Mn 257.610† | 1339973.9 | 1278927.9 | 1.479 mg/L | 1.479 mg/L | 21:09:00 |
| 2 | Mo 202.031† | 77.3 | -6.5 | 0.0087 mg/L | 0.0087 mg/L | 21:09:25 |
| 2 | Na 330.237† | 4973.0 | 3246.6 | 5.504 mg/L | 5.504 mg/L | 21:09:05 |
| 2 | Ni 231.604† | 9811.9 | 5243.4 | 0.1246 mg/L | 0.1246 mg/L | 21:09:25 |
| 2 | Pb 220.353† | 12806.5 | 12187.9 | 1.649 mg/L | 1.649 mg/L | 21:09:05 |
| 2 | Sb 206.836† | 19.0 | -33.6 | -0.0131 mg/L | -0.0131 mg/L | 21:09:25 |
| 2 | Se 196.026† | -22.3 | -5.2 | -0.0085 mg/L | -0.0085 mg/L | 21:09:25 |
| 2 | Sn 189.927† | 529.0 | 315.7 | 0.1598 mg/L | 0.1598 mg/L | 21:09:25 |
| 2 | Ti 337.279† | 1487691.5 | 1421005.0 | 2.580 mg/L | 2.580 mg/L | 21:09:00 |
| 2 | Tl 190.801† | -59.8 | -39.1 | -0.0106 mg/L | -0.0106 mg/L | 21:09:25 |
| 2 | V 292.402† | 18535.8 | 15438.2 | 0.0836 mg/L | 0.0836 mg/L | 21:09:05 |
| 2 | Zn 213.857† | 178405.0 | 169398.2 | 2.173 mg/L | 2.173 mg/L | 21:09:05 |

Mean Data: 0608248-06

| Analyte | Mean Corrected Intensity | Calib Conc. Units | Std.Dev. | Sample Conc. Units | Std.Dev. | RSD |
|-------------|--------------------------|-------------------|----------|--------------------|----------|--------|
| Y 360.073 | 2085411.3 | 1.05 mg/L | 0.000 | | | 0.02% |
| Ag 328.068† | 26751.1 | 0.0971 mg/L | 0.00023 | 0.0971 mg/L | 0.00023 | 0.23% |
| Al 237.313† | 291372.9 | 41.18 mg/L | 0.040 | 41.18 mg/L | 0.040 | 0.10% |
| As 188.979† | 1.7 | 0.0201 mg/L | 0.00362 | 0.0201 mg/L | 0.00362 | 18.04% |
| B 182.528† | 3.6 | 0.0075 mg/L | 0.00477 | 0.0075 mg/L | 0.00477 | 63.35% |
| Ba 233.527† | 40853.4 | 0.2671 mg/L | 0.00107 | 0.2671 mg/L | 0.00107 | 0.40% |
| Be 313.107† | 8386.6 | 0.0022 mg/L | 0.00002 | 0.0022 mg/L | 0.00002 | 0.72% |
| Ca 315.886† | 966794.3 | 8.786 mg/L | 0.0096 | 8.786 mg/L | 0.0096 | 0.11% |
| Cd 228.802† | 581.3 | 0.0056 mg/L | 0.00004 | 0.0056 mg/L | 0.00004 | 0.80% |
| Co 228.616† | 1761.1 | 0.0242 mg/L | 0.00010 | 0.0242 mg/L | 0.00010 | 0.42% |
| Cr 267.716† | 21091.9 | 0.1935 mg/L | 0.00049 | 0.1935 mg/L | 0.00049 | 0.25% |
| Cu 324.752† | 419854.2 | 1.993 mg/L | 0.0074 | 1.993 mg/L | 0.0074 | 0.37% |
| Fe 238.204† | 12804709.6 | 122.6 mg/L | 0.21 | 122.6 mg/L | 0.21 | 0.18% |
| Fe 234.349† | 4036061.4 | 133.7 mg/L | 0.24 | 133.7 mg/L | 0.24 | 0.18% |
| Mg 279.077† | 181189.9 | 10.78 mg/L | 0.009 | 10.78 mg/L | 0.009 | 0.09% |
| Mn 257.610† | 1279856.4 | 1.481 mg/L | 0.0015 | 1.481 mg/L | 0.0015 | 0.10% |
| Mo 202.031† | -9.9 | 0.0084 mg/L | 0.00049 | 0.0084 mg/L | 0.00049 | 5.79% |
| Na 330.237† | 3238.6 | 5.494 mg/L | 0.0149 | 5.494 mg/L | 0.0149 | 0.27% |
| Ni 231.604† | 5180.7 | 0.1231 mg/L | 0.00209 | 0.1231 mg/L | 0.00209 | 1.70% |
| Pb 220.353† | 12196.9 | 1.650 mg/L | 0.0017 | 1.650 mg/L | 0.0017 | 0.10% |
| Sb 206.836† | -30.1 | -0.0120 mg/L | 0.00156 | -0.0120 mg/L | 0.00156 | 13.06% |
| Se 196.026† | -5.5 | -0.0091 mg/L | 0.00089 | -0.0091 mg/L | 0.00089 | 9.68% |
| Sn 189.927† | 312.5 | 0.1583 mg/L | 0.00210 | 0.1583 mg/L | 0.00210 | 1.32% |
| Ti 337.279† | 1420462.0 | 2.579 mg/L | 0.0014 | 2.579 mg/L | 0.0014 | 0.05% |
| Tl 190.801† | -38.7 | -0.0101 mg/L | 0.00061 | -0.0101 mg/L | 0.00061 | 6.03% |
| V 292.402† | 15449.9 | 0.0837 mg/L | 0.00009 | 0.0837 mg/L | 0.00009 | 0.10% |
| Zn 213.857† | 169451.9 | 2.173 mg/L | 0.0010 | 2.173 mg/L | 0.0010 | 0.05% |

Sequence No.: 25
 Sample ID: CCV
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 3
 Date Collected: 8/14/2006 9:11:01 PM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Replicate Data: CCV

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. Units | Sample Conc. Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------------------|--------------------|---------------|
| 1 | Y 360.073 | 2016098.1 | 2016098.1 | 1.01 mg/L | | 21:12:35 |
| 1 | Ag 328.068† | 69506.2 | 68205.7 | 0.2464 mg/L | 0.2464 mg/L | 21:12:40 |
| 1 | Al 237.313† | 16932.9 | 17011.8 | 2.445 mg/L | 2.445 mg/L | 21:12:40 |
| 1 | As 188.979† | 301.3 | 307.1 | 0.4938 mg/L | 0.4938 mg/L | 21:13:00 |
| 1 | B 182.528† | 453.7 | 470.1 | 0.4941 mg/L | 0.4941 mg/L | 21:13:00 |
| 1 | Ba 233.527† | 77479.7 | 76361.0 | 0.5005 mg/L | 0.5005 mg/L | 21:12:40 |
| 1 | Be 313.107† | 231003.0 | 225191.9 | 0.0505 mg/L | 0.0505 mg/L | 21:12:35 |
| 1 | Ca 315.886† | 562569.7 | 556336.8 | 5.051 mg/L | 5.051 mg/L | 21:12:35 |
| 1 | Cd 228.802† | 18047.2 | 17293.9 | 0.2478 mg/L | 0.2478 mg/L | 21:12:40 |
| 1 | Co 228.616† | 28709.7 | 28540.3 | 0.5007 mg/L | 0.5007 mg/L | 21:12:40 |
| 1 | Cr 267.716† | 58225.1 | 56106.2 | 0.4976 mg/L | 0.4976 mg/L | 21:12:40 |
| 1 | Cu 324.752† | 108259.4 | 104895.8 | 0.4992 mg/L | 0.4992 mg/L | 21:12:40 |
| 1 | Fe 238.204† | 265898.3 | 261674.7 | 2.507 mg/L | 2.507 mg/L | 21:12:40 |
| 1 | Fe 234.349† | 77809.1 | 76255.7 | 2.514 mg/L | 2.514 mg/L | 21:12:40 |
| 1 | Mg 279.077† | 82272.7 | 82130.2 | 5.003 mg/L | 5.003 mg/L | 21:12:40 |
| 1 | Mn 257.610† | 445667.0 | 439200.5 | 0.5054 mg/L | 0.5054 mg/L | 21:12:35 |
| 1 | Mo 202.031† | 4942.4 | 4804.5 | 0.4986 mg/L | 0.4986 mg/L | 21:13:00 |
| 1 | Na 330.237† | 18305.0 | 16587.3 | 23.68 mg/L | 23.68 mg/L | 21:12:40 |
| 1 | Ni 231.604† | 26149.7 | 21714.3 | 0.5132 mg/L | 0.5132 mg/L | 21:12:40 |
| 1 | Pb 220.353† | 3813.4 | 3721.7 | 0.5055 mg/L | 0.5055 mg/L | 21:13:00 |
| 1 | Sb 206.836† | 1648.5 | 1577.6 | 0.4936 mg/L | 0.4936 mg/L | 21:13:00 |
| 1 | Se 196.026† | 528.7 | 538.7 | 0.9975 mg/L | 0.9975 mg/L | 21:13:00 |
| 1 | Sn 189.927† | 1203.5 | 999.7 | 0.4719 mg/L | 0.4719 mg/L | 21:13:00 |
| 1 | Ti 337.279† | 278895.2 | 275319.2 | 0.4988 mg/L | 0.4988 mg/L | 21:12:35 |
| 1 | Tl 190.801† | 470.5 | 483.1 | 0.4945 mg/L | 0.4945 mg/L | 21:13:00 |
| 1 | V 292.402† | 94819.4 | 91444.3 | 0.5003 mg/L | 0.5003 mg/L | 21:12:40 |
| 1 | Zn 213.857† | 41399.9 | 39868.7 | 0.5062 mg/L | 0.5062 mg/L | 21:12:40 |
| 2 | Y 360.073 | 2001452.1 | 2001452.1 | 1.00 mg/L | | 21:13:07 |
| 2 | Ag 328.068† | 68854.7 | 68059.8 | 0.2459 mg/L | 0.2459 mg/L | 21:13:13 |
| 2 | Al 237.313† | 16729.5 | 16931.7 | 2.433 mg/L | 2.433 mg/L | 21:13:13 |
| 2 | As 188.979† | 303.9 | 311.8 | 0.5014 mg/L | 0.5014 mg/L | 21:13:33 |
| 2 | B 182.528† | 453.4 | 473.1 | 0.4972 mg/L | 0.4972 mg/L | 21:13:33 |
| 2 | Ba 233.527† | 76813.0 | 76257.5 | 0.4998 mg/L | 0.4998 mg/L | 21:13:13 |
| 2 | Be 313.107† | 229792.5 | 225657.4 | 0.0506 mg/L | 0.0506 mg/L | 21:13:07 |
| 2 | Ca 315.886† | 559872.2 | 557720.0 | 5.064 mg/L | 5.064 mg/L | 21:13:07 |
| 2 | Cd 228.802† | 17950.8 | 17328.5 | 0.2483 mg/L | 0.2483 mg/L | 21:13:13 |
| 2 | Co 228.616† | 28413.9 | 28453.5 | 0.4992 mg/L | 0.4992 mg/L | 21:13:13 |
| 2 | Cr 267.716† | 57739.2 | 56043.6 | 0.4971 mg/L | 0.4971 mg/L | 21:13:13 |
| 2 | Cu 324.752† | 107371.8 | 104795.1 | 0.4987 mg/L | 0.4987 mg/L | 21:13:13 |
| 2 | Fe 238.204† | 263269.0 | 260980.2 | 2.500 mg/L | 2.500 mg/L | 21:13:13 |
| 2 | Fe 234.349† | 76975.6 | 75988.6 | 2.506 mg/L | 2.506 mg/L | 21:13:13 |
| 2 | Mg 279.077† | 81430.2 | 81886.6 | 4.988 mg/L | 4.988 mg/L | 21:13:13 |
| 2 | Mn 257.610† | 443175.6 | 439943.3 | 0.5063 mg/L | 0.5063 mg/L | 21:13:07 |
| 2 | Mo 202.031† | 4942.1 | 4839.9 | 0.5023 mg/L | 0.5023 mg/L | 21:13:33 |
| 2 | Na 330.237† | 18118.8 | 16534.3 | 23.60 mg/L | 23.60 mg/L | 21:13:13 |
| 2 | Ni 231.604† | 25657.6 | 21413.5 | 0.5061 mg/L | 0.5061 mg/L | 21:13:13 |
| 2 | Pb 220.353† | 3802.5 | 3738.4 | 0.5078 mg/L | 0.5078 mg/L | 21:13:33 |
| 2 | Sb 206.836† | 1646.6 | 1587.6 | 0.4968 mg/L | 0.4968 mg/L | 21:13:33 |
| 2 | Se 196.026† | 529.6 | 543.4 | 1.006 mg/L | 1.006 mg/L | 21:13:33 |
| 2 | Sn 189.927† | 1204.2 | 1009.1 | 0.4763 mg/L | 0.4763 mg/L | 21:13:33 |
| 2 | Ti 337.279† | 277412.6 | 275860.3 | 0.4998 mg/L | 0.4998 mg/L | 21:13:07 |
| 2 | Tl 190.801† | 472.2 | 488.2 | 0.4997 mg/L | 0.4997 mg/L | 21:13:33 |
| 2 | V 292.402† | 93846.0 | 91161.0 | 0.4988 mg/L | 0.4988 mg/L | 21:13:13 |
| 2 | Zn 213.857† | 41080.6 | 39850.3 | 0.5061 mg/L | 0.5061 mg/L | 21:13:13 |

Mean Data: CCV

| Analyte | Mean Corrected Intensity | Calib Conc. Units | Std.Dev. | Sample Conc. Units | Std.Dev. | RSD |
|-----------|--------------------------|-------------------|----------|--------------------|----------|-------|
| Y 360.073 | 2008775.1 | 1.01 mg/L | 0.005 | | | 0.52% |

| | | | | | | | |
|----|---------------------------------------|----------|--------------------|---------|-------------|---------|-------|
| Ag | 328.068† | 68132.8 | 0.2462 mg/L | 0.00037 | 0.2462 mg/L | 0.00037 | 0.15% |
| | QC value within limits for Ag 328.068 | | Recovery = 98.46% | | | | |
| Al | 237.313† | 16971.7 | 2.439 mg/L | 0.0081 | 2.439 mg/L | 0.0081 | 0.33% |
| | QC value within limits for Al 237.313 | | Recovery = 97.57% | | | | |
| As | 188.979† | 309.5 | 0.4976 mg/L | 0.00536 | 0.4976 mg/L | 0.00536 | 1.08% |
| | QC value within limits for As 188.979 | | Recovery = 99.52% | | | | |
| B | 182.528† | 471.6 | 0.4956 mg/L | 0.00220 | 0.4956 mg/L | 0.00220 | 0.44% |
| | QC value within limits for B 182.528 | | Recovery = 99.13% | | | | |
| Ba | 233.527† | 76309.2 | 0.5001 mg/L | 0.00048 | 0.5001 mg/L | 0.00048 | 0.10% |
| | QC value within limits for Ba 233.527 | | Recovery = 100.02% | | | | |
| Be | 313.107† | 225424.6 | 0.0505 mg/L | 0.00007 | 0.0505 mg/L | 0.00007 | 0.15% |
| | QC value within limits for Be 313.107 | | Recovery = 101.02% | | | | |
| Ca | 315.886† | 557028.4 | 5.057 mg/L | 0.0089 | 5.057 mg/L | 0.0089 | 0.18% |
| | QC value within limits for Ca 315.886 | | Recovery = 101.15% | | | | |
| Cd | 228.802† | 17311.2 | 0.2481 mg/L | 0.00034 | 0.2481 mg/L | 0.00034 | 0.14% |
| | QC value within limits for Cd 228.802 | | Recovery = 99.22% | | | | |
| Co | 228.616† | 28496.9 | 0.4999 mg/L | 0.00108 | 0.4999 mg/L | 0.00108 | 0.22% |
| | QC value within limits for Co 228.616 | | Recovery = 99.99% | | | | |
| Cr | 267.716† | 56074.9 | 0.4974 mg/L | 0.00039 | 0.4974 mg/L | 0.00039 | 0.08% |
| | QC value within limits for Cr 267.716 | | Recovery = 99.47% | | | | |
| Cu | 324.752† | 104845.4 | 0.4989 mg/L | 0.00034 | 0.4989 mg/L | 0.00034 | 0.07% |
| | QC value within limits for Cu 324.752 | | Recovery = 99.79% | | | | |
| Fe | 238.204† | 261327.5 | 2.503 mg/L | 0.0047 | 2.503 mg/L | 0.0047 | 0.19% |
| | QC value within limits for Fe 238.204 | | Recovery = 100.14% | | | | |
| Fe | 234.349† | 76122.2 | 2.510 mg/L | 0.0062 | 2.510 mg/L | 0.0062 | 0.25% |
| | QC value within limits for Fe 234.349 | | Recovery = 100.40% | | | | |
| Mg | 279.077† | 82008.4 | 4.996 mg/L | 0.0105 | 4.996 mg/L | 0.0105 | 0.21% |
| | QC value within limits for Mg 279.077 | | Recovery = 99.92% | | | | |
| Mn | 257.610† | 439571.9 | 0.5059 mg/L | 0.00061 | 0.5059 mg/L | 0.00061 | 0.12% |
| | QC value within limits for Mn 257.610 | | Recovery = 101.17% | | | | |
| Mo | 202.031† | 4822.2 | 0.5005 mg/L | 0.00259 | 0.5005 mg/L | 0.00259 | 0.52% |
| | QC value within limits for Mo 202.031 | | Recovery = 100.09% | | | | |
| Na | 330.237† | 16560.8 | 23.64 mg/L | 0.052 | 23.64 mg/L | 0.052 | 0.22% |
| | QC value within limits for Na 330.237 | | Recovery = 94.56% | | | | |
| Ni | 231.604† | 21563.9 | 0.5097 mg/L | 0.00502 | 0.5097 mg/L | 0.00502 | 0.99% |
| | QC value within limits for Ni 231.604 | | Recovery = 101.93% | | | | |
| Pb | 220.353† | 3730.1 | 0.5066 mg/L | 0.00160 | 0.5066 mg/L | 0.00160 | 0.32% |
| | QC value within limits for Pb 220.353 | | Recovery = 101.32% | | | | |
| Sb | 206.836† | 1582.6 | 0.4952 mg/L | 0.00226 | 0.4952 mg/L | 0.00226 | 0.46% |
| | QC value within limits for Sb 206.836 | | Recovery = 99.04% | | | | |
| Se | 196.026† | 541.1 | 1.002 mg/L | 0.0061 | 1.002 mg/L | 0.0061 | 0.61% |
| | QC value within limits for Se 196.026 | | Recovery = 100.19% | | | | |
| Sn | 189.927† | 1004.4 | 0.4741 mg/L | 0.00309 | 0.4741 mg/L | 0.00309 | 0.65% |
| | QC value within limits for Sn 189.927 | | Recovery = 94.81% | | | | |
| Ti | 337.279† | 275589.7 | 0.4993 mg/L | 0.00070 | 0.4993 mg/L | 0.00070 | 0.14% |
| | QC value within limits for Ti 337.279 | | Recovery = 99.86% | | | | |
| Tl | 190.801† | 485.6 | 0.4971 mg/L | 0.00369 | 0.4971 mg/L | 0.00369 | 0.74% |
| | QC value within limits for Tl 190.801 | | Recovery = 99.42% | | | | |
| V | 292.402† | 91302.7 | 0.4995 mg/L | 0.00109 | 0.4995 mg/L | 0.00109 | 0.22% |
| | QC value within limits for V 292.402 | | Recovery = 99.91% | | | | |
| Zn | 213.857† | 39859.5 | 0.5062 mg/L | 0.00013 | 0.5062 mg/L | 0.00013 | 0.03% |
| | QC value within limits for Zn 213.857 | | Recovery = 101.23% | | | | |

All analyte(s) passed QC.

Sequence No.: 26
 Sample ID: ICCB
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 1
 Date Collected: 8/14/2006 9:15:10 PM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Replicate Data: ICCB

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. Units | Sample Conc. Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------------------|--------------------|---------------|
| 1 | Y 360.073 | 1980954.1 | 1980954.1 | 0.994 mg/L | | 21:16:41 |
| 1 | Ag 328.068† | 480.6 | -7.5 | 0.0008 mg/L | 0.0008 mg/L | 21:16:47 |
| 1 | Al 237.313† | -264.9 | 9.6 | 0.0085 mg/L | 0.0085 mg/L | 21:17:07 |
| 1 | As 188.979† | -7.3 | 1.9 | 0.0048 mg/L | 0.0048 mg/L | 21:17:07 |
| 1 | B 182.528† | -25.8 | -4.3 | -0.0007 mg/L | -0.0007 mg/L | 21:17:07 |
| 1 | Ba 233.527† | 216.2 | 1.1 | -0.0017 mg/L | -0.0017 mg/L | 21:17:07 |

| | | | | | | |
|---|-------------|-----------|-----------|--------------|--------------|----------|
| 1 | Be 313.107† | 3286.5 | 185.1 | 0.0000 mg/L | 0.0000 mg/L | 21:16:41 |
| 1 | Ca 315.886† | -398.6 | -81.8 | -0.0127 mg/L | -0.0127 mg/L | 21:16:47 |
| 1 | Cd 228.802† | 564.4 | 24.6 | 0.0010 mg/L | 0.0010 mg/L | 21:17:07 |
| 1 | Co 228.616† | -178.0 | -14.1 | -0.0017 mg/L | -0.0017 mg/L | 21:17:07 |
| 1 | Cr 267.716† | 1448.9 | 16.7 | 0.0004 mg/L | 0.0004 mg/L | 21:16:47 |
| 1 | Cu 324.752† | 3644.5 | 1563.2 | 0.0092 mg/L | 0.0092 mg/L | 21:16:47 |
| 1 | Fe 238.204† | 2199.3 | 1085.5 | 0.0100 mg/L | 0.0100 mg/L | 21:17:07 |
| 1 | Fe 234.349† | 980.6 | 339.2 | 0.0035 mg/L | 0.0035 mg/L | 21:17:07 |
| 1 | Mg 279.077† | -826.0 | -15.1 | -0.0025 mg/L | -0.0025 mg/L | 21:16:47 |
| 1 | Mn 257.610† | 1362.5 | 94.4 | -0.0017 mg/L | -0.0017 mg/L | 21:16:47 |
| 1 | Mo 202.031† | 90.2 | 10.4 | 0.0011 mg/L | 0.0011 mg/L | 21:17:07 |
| 1 | Na 330.237† | 1612.5 | 117.5 | 0.7033 mg/L | 0.7033 mg/L | 21:16:47 |
| 1 | Ni 231.604† | 4101.6 | -5.2 | 0.0007 mg/L | 0.0007 mg/L | 21:16:47 |
| 1 | Pb 220.353† | 50.9 | 3.9 | 0.0005 mg/L | 0.0005 mg/L | 21:17:07 |
| 1 | Sb 206.836† | 50.4 | -1.1 | -0.0005 mg/L | -0.0005 mg/L | 21:17:07 |
| 1 | Se 196.026† | -11.3 | 4.8 | 0.0100 mg/L | 0.0100 mg/L | 21:17:07 |
| 1 | Sn 189.927† | 90.7 | -98.5 | -0.0380 mg/L | -0.0380 mg/L | 21:17:07 |
| 1 | Ti 337.279† | 371.8 | 46.2 | -0.0013 mg/L | -0.0013 mg/L | 21:16:47 |
| 1 | Tl 190.801† | -13.0 | 5.0 | 0.0071 mg/L | 0.0071 mg/L | 21:17:07 |
| 1 | V 292.402† | 2384.8 | 128.1 | 0.0013 mg/L | 0.0013 mg/L | 21:16:47 |
| 1 | Zn 213.857† | 1651.4 | 612.1 | 0.0055 mg/L | 0.0055 mg/L | 21:17:07 |
| 2 | Y 360.073 | 1984037.1 | 1984037.1 | 0.996 mg/L | | 21:17:13 |
| 2 | Ag 328.068† | 450.4 | -38.6 | 0.0007 mg/L | 0.0007 mg/L | 21:17:18 |
| 2 | Al 237.313† | -266.9 | 8.0 | 0.0082 mg/L | 0.0082 mg/L | 21:17:38 |
| 2 | As 188.979† | -8.4 | 0.8 | 0.0031 mg/L | 0.0031 mg/L | 21:17:38 |
| 2 | B 182.528† | -25.0 | -3.4 | 0.0002 mg/L | 0.0002 mg/L | 21:17:38 |
| 2 | Ba 233.527† | 199.0 | -16.5 | -0.0018 mg/L | -0.0018 mg/L | 21:17:38 |
| 2 | Be 313.107† | 3216.3 | 109.4 | 0.0000 mg/L | 0.0000 mg/L | 21:17:13 |
| 2 | Ca 315.886† | -309.8 | 8.0 | -0.0119 mg/L | -0.0119 mg/L | 21:17:18 |
| 2 | Cd 228.802† | 569.5 | 28.9 | 0.0011 mg/L | 0.0011 mg/L | 21:17:38 |
| 2 | Co 228.616† | -176.6 | -12.4 | -0.0017 mg/L | -0.0017 mg/L | 21:17:38 |
| 2 | Cr 267.716† | 1460.0 | 25.6 | 0.0005 mg/L | 0.0005 mg/L | 21:17:18 |
| 2 | Cu 324.752† | 3607.3 | 1520.2 | 0.0090 mg/L | 0.0090 mg/L | 21:17:18 |
| 2 | Fe 238.204† | 2182.8 | 1065.5 | 0.0098 mg/L | 0.0098 mg/L | 21:17:38 |
| 2 | Fe 234.349† | 953.3 | 310.2 | 0.0026 mg/L | 0.0026 mg/L | 21:17:38 |
| 2 | Mg 279.077† | -778.4 | 34.0 | 0.0005 mg/L | 0.0005 mg/L | 21:17:18 |
| 2 | Mn 257.610† | 1362.2 | 92.0 | -0.0017 mg/L | -0.0017 mg/L | 21:17:18 |
| 2 | Mo 202.031† | 87.8 | 7.8 | 0.0008 mg/L | 0.0008 mg/L | 21:17:38 |
| 2 | Na 330.237† | 1558.7 | 60.9 | 0.6244 mg/L | 0.6244 mg/L | 21:17:18 |
| 2 | Ni 231.604† | 4138.1 | 25.1 | 0.0014 mg/L | 0.0014 mg/L | 21:17:18 |
| 2 | Pb 220.353† | 58.8 | 11.7 | 0.0016 mg/L | 0.0016 mg/L | 21:17:38 |
| 2 | Sb 206.836† | 51.8 | 0.3 | 0.0000 mg/L | 0.0000 mg/L | 21:17:38 |
| 2 | Se 196.026† | -15.7 | 0.4 | 0.0018 mg/L | 0.0018 mg/L | 21:17:38 |
| 2 | Sn 189.927† | 90.6 | -98.7 | -0.0381 mg/L | -0.0381 mg/L | 21:17:38 |
| 2 | Ti 337.279† | 407.0 | 80.9 | -0.0012 mg/L | -0.0012 mg/L | 21:17:18 |
| 2 | Tl 190.801† | -12.1 | 5.8 | 0.0080 mg/L | 0.0080 mg/L | 21:17:38 |
| 2 | V 292.402† | 2400.7 | 140.3 | 0.0014 mg/L | 0.0014 mg/L | 21:17:18 |
| 2 | Zn 213.857† | 1618.0 | 576.0 | 0.0051 mg/L | 0.0051 mg/L | 21:17:38 |

Mean Data: ICCB

| Analyte | Mean Corrected Intensity | Calib Conc. Units | Std.Dev. | Sample Conc. Units | Std.Dev. | RSD |
|---|--------------------------|-------------------|----------|--------------------|----------|---------|
| Y 360.073 | 1982495.6 | 0.995 mg/L | 0.0011 | | | 0.11% |
| Ag 328.068† | -23.0 | 0.0007 mg/L | 0.00008 | 0.0007 mg/L | 0.00008 | 10.88% |
| QC value within limits for Ag 328.068 Recovery = Not calculated | | | | | | |
| Al 237.313† | 8.8 | 0.0083 mg/L | 0.00016 | 0.0083 mg/L | 0.00016 | 1.97% |
| QC value within limits for Al 237.313 Recovery = Not calculated | | | | | | |
| As 188.979† | 1.4 | 0.0040 mg/L | 0.00120 | 0.0040 mg/L | 0.00120 | 30.18% |
| QC value within limits for As 188.979 Recovery = Not calculated | | | | | | |
| B 182.528† | -3.8 | -0.0002 mg/L | 0.00063 | -0.0002 mg/L | 0.00063 | 298.36% |
| QC value within limits for B 182.528 Recovery = Not calculated | | | | | | |
| Ba 233.527† | -7.7 | -0.0017 mg/L | 0.00008 | -0.0017 mg/L | 0.00008 | 4.74% |
| QC value within limits for Ba 233.527 Recovery = Not calculated | | | | | | |
| Be 313.107† | 147.3 | 0.0000 mg/L | 0.00001 | 0.0000 mg/L | 0.00001 | >999.9% |
| QC value within limits for Be 313.107 Recovery = Not calculated | | | | | | |
| Ca 315.886† | -36.9 | -0.0123 mg/L | 0.00058 | -0.0123 mg/L | 0.00058 | 4.69% |
| QC value within limits for Ca 315.886 Recovery = Not calculated | | | | | | |
| Cd 228.802† | 26.7 | 0.0010 mg/L | 0.00005 | 0.0010 mg/L | 0.00005 | 4.52% |
| QC value within limits for Cd 228.802 Recovery = Not calculated | | | | | | |
| Co 228.616† | -13.3 | -0.0017 mg/L | 0.00002 | -0.0017 mg/L | 0.00002 | 1.22% |

| | | | | | | | |
|---|----------|--------|--------------|---------|--------------|---------|---------|
| Cr | 267.716† | 21.1 | 0.0005 mg/L | 0.00006 | 0.0005 mg/L | 0.00006 | 11.98% |
| QC value within limits for Cr 267.716 Recovery = Not calculated | | | | | | | |
| Cu | 324.752† | 1541.7 | 0.0091 mg/L | 0.00014 | 0.0091 mg/L | 0.00014 | 1.59% |
| QC value within limits for Cu 324.752 Recovery = Not calculated | | | | | | | |
| Fe | 238.204† | 1075.5 | 0.0099 mg/L | 0.00014 | 0.0099 mg/L | 0.00014 | 1.38% |
| QC value within limits for Fe 238.204 Recovery = Not calculated | | | | | | | |
| Fe | 234.349† | 324.7 | 0.0030 mg/L | 0.00068 | 0.0030 mg/L | 0.00068 | 22.47% |
| QC value within limits for Fe 234.349 Recovery = Not calculated | | | | | | | |
| Mg | 279.077† | 9.4 | -0.0010 mg/L | 0.00212 | -0.0010 mg/L | 0.00212 | 218.75% |
| QC value within limits for Mg 279.077 Recovery = Not calculated | | | | | | | |
| Mn | 257.610† | 93.2 | -0.0017 mg/L | 0.00000 | -0.0017 mg/L | 0.00000 | 0.12% |
| QC value within limits for Mn 257.610 Recovery = Not calculated | | | | | | | |
| Mo | 202.031† | 9.1 | 0.0009 mg/L | 0.00018 | 0.0009 mg/L | 0.00018 | 19.72% |
| QC value within limits for Mo 202.031 Recovery = Not calculated | | | | | | | |
| Na | 330.237† | 89.2 | 0.6638 mg/L | 0.05578 | 0.6638 mg/L | 0.05578 | 8.40% |
| QC value within limits for Na 330.237 Recovery = Not calculated | | | | | | | |
| Ni | 231.604† | 9.9 | 0.0010 mg/L | 0.00051 | 0.0010 mg/L | 0.00051 | 48.84% |
| QC value within limits for Ni 231.604 Recovery = Not calculated | | | | | | | |
| Pb | 220.353† | 7.8 | 0.0011 mg/L | 0.00075 | 0.0011 mg/L | 0.00075 | 69.66% |
| QC value within limits for Pb 220.353 Recovery = Not calculated | | | | | | | |
| Sb | 206.836† | -0.4 | -0.0002 mg/L | 0.00030 | -0.0002 mg/L | 0.00030 | 124.65% |
| QC value within limits for Sb 206.836 Recovery = Not calculated | | | | | | | |
| Se | 196.026† | 2.6 | 0.0059 mg/L | 0.00575 | 0.0059 mg/L | 0.00575 | 97.19% |
| QC value within limits for Se 196.026 Recovery = Not calculated | | | | | | | |
| Sn | 189.927† | -98.6 | -0.0380 mg/L | 0.00006 | -0.0380 mg/L | 0.00006 | 0.17% |
| QC value within limits for Sn 189.927 Recovery = Not calculated | | | | | | | |
| Ti | 337.279† | 63.6 | -0.0013 mg/L | 0.00004 | -0.0013 mg/L | 0.00004 | 3.53% |
| QC value within limits for Ti 337.279 Recovery = Not calculated | | | | | | | |
| Tl | 190.801† | 5.4 | 0.0075 mg/L | 0.00064 | 0.0075 mg/L | 0.00064 | 8.53% |
| QC value within limits for Tl 190.801 Recovery = Not calculated | | | | | | | |
| V | 292.402† | 134.2 | 0.0014 mg/L | 0.00005 | 0.0014 mg/L | 0.00005 | 3.47% |
| QC value within limits for V 292.402 Recovery = Not calculated | | | | | | | |
| Zn | 213.857† | 594.1 | 0.0053 mg/L | 0.00033 | 0.0053 mg/L | 0.00033 | 6.25% |
| QC value within limits for Zn 213.857 Recovery = Not calculated | | | | | | | |

All analyte(s) passed QC.

Sequence No.: 27
 Sample ID: 0608248-07X5
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 19
 Date Collected: 8/14/2006 9:19:15 PM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Replicate Data: 0608248-07X5

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. Units | Sample Conc. Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------------------|--------------------|---------------|
| 1 | Y 360.073 | 2071633.2 | 2071633.2 | 1.04 mg/L | | 21:20:56 |
| 1 | Ag 328.068† | 38689.6 | 36723.0 | 0.1330 mg/L | 0.1330 mg/L | 21:21:01 |
| 1 | Al 237.313† | 107860.7 | 104022.7 | 14.36 mg/L | 14.36 mg/L | 21:21:01 |
| 1 | As 188.979† | -3.8 | 5.6 | 0.0148 mg/L | 0.0148 mg/L | 21:21:21 |
| 1 | B 182.528† | -15.8 | 6.5 | 0.0105 mg/L | 0.0105 mg/L | 21:21:21 |
| 1 | Ba 233.527† | 21446.5 | 20412.1 | 0.1326 mg/L | 0.1326 mg/L | 21:21:01 |
| 1 | Be 313.107† | 5831.4 | 2488.2 | 0.0008 mg/L | 0.0008 mg/L | 21:20:56 |
| 1 | Ca 315.886† | 456938.9 | 439829.6 | 3.991 mg/L | 3.991 mg/L | 21:20:56 |
| 1 | Cd 228.802† | 1000.3 | 419.0 | 0.0044 mg/L | 0.0044 mg/L | 21:21:21 |
| 1 | Co 228.616† | 841.1 | 974.0 | 0.0142 mg/L | 0.0142 mg/L | 21:21:21 |
| 1 | Cr 267.716† | 10236.5 | 8405.3 | 0.0794 mg/L | 0.0794 mg/L | 21:21:01 |
| 1 | Cu 324.752† | 364398.4 | 348396.9 | 1.653 mg/L | 1.653 mg/L | 21:20:56 |
| 1 | Fe 238.204† | 9916043.1 | 9536701.0 | 91.34 mg/L | 91.34 mg/L | 21:20:48 |
| 1 | Fe 234.349† | 3059628.2 | 2942281.4 | 97.49 mg/L | 97.49 mg/L | 21:20:56 |
| 1 | Mg 279.077† | 45174.0 | 44266.7 | 2.498 mg/L | 2.498 mg/L | 21:21:01 |
| 1 | Mn 257.610† | 681161.5 | 653904.7 | 0.7566 mg/L | 0.7566 mg/L | 21:20:56 |
| 1 | Mo 202.031† | 86.3 | 2.7 | 0.0071 mg/L | 0.0071 mg/L | 21:21:21 |
| 1 | Na 330.237† | 2054.9 | 472.0 | 1.534 mg/L | 1.534 mg/L | 21:21:01 |
| 1 | Ni 231.604† | 8837.4 | 4369.5 | 0.1040 mg/L | 0.1040 mg/L | 21:21:01 |
| 1 | Pb 220.353† | 9470.4 | 9061.8 | 1.224 mg/L | 1.224 mg/L | 21:21:01 |
| 1 | Sb 206.836† | 26.7 | -26.1 | -0.0093 mg/L | -0.0093 mg/L | 21:21:21 |
| 1 | Se 196.026† | -18.2 | -1.4 | -0.0014 mg/L | -0.0014 mg/L | 21:21:21 |
| 1 | Sn 189.927† | 208.0 | 10.4 | 0.0140 mg/L | 0.0140 mg/L | 21:21:21 |

| | | | | | | |
|---|-------------|-----------|-----------|--------------|--------------|----------|
| 1 | Ti 337.279† | 390082.3 | 374876.1 | 0.6797 mg/L | 0.6797 mg/L | 21:20:56 |
| 1 | Tl 190.801† | -29.4 | -10.2 | 0.0035 mg/L | 0.0035 mg/L | 21:21:21 |
| 1 | V 292.402† | 16118.1 | 13232.6 | 0.0724 mg/L | 0.0724 mg/L | 21:21:01 |
| 1 | Zn 213.857† | 89192.6 | 84741.6 | 1.085 mg/L | 1.085 mg/L | 21:21:01 |
| 2 | Y 360.073 | 2045690.5 | 2045690.5 | 1.03 mg/L | | 21:21:35 |
| 2 | Ag 328.068† | 38193.3 | 36711.5 | 0.1330 mg/L | 0.1330 mg/L | 21:21:41 |
| 2 | Al 237.313† | 106457.8 | 103971.9 | 14.36 mg/L | 14.36 mg/L | 21:21:41 |
| 2 | As 188.979† | -0.3 | 8.9 | 0.0201 mg/L | 0.0201 mg/L | 21:22:01 |
| 2 | B 182.528† | -18.5 | 3.7 | 0.0076 mg/L | 0.0076 mg/L | 21:22:01 |
| 2 | Ba 233.527† | 21251.7 | 20483.9 | 0.1331 mg/L | 0.1331 mg/L | 21:21:41 |
| 2 | Be 313.107† | 5781.4 | 2510.7 | 0.0008 mg/L | 0.0008 mg/L | 21:21:35 |
| 2 | Ca 315.886† | 448298.7 | 436987.2 | 3.965 mg/L | 3.965 mg/L | 21:21:35 |
| 2 | Cd 228.802† | 985.5 | 416.8 | 0.0044 mg/L | 0.0044 mg/L | 21:22:01 |
| 2 | Co 228.616† | 832.0 | 975.4 | 0.0143 mg/L | 0.0143 mg/L | 21:22:01 |
| 2 | Cr 267.716† | 10098.6 | 8395.9 | 0.0793 mg/L | 0.0793 mg/L | 21:21:41 |
| 2 | Cu 324.752† | 355185.0 | 343867.4 | 1.632 mg/L | 1.632 mg/L | 21:21:35 |
| 2 | Fe 238.204† | 9826310.8 | 9570251.6 | 91.67 mg/L | 91.67 mg/L | 21:21:28 |
| 2 | Fe 234.349† | 3001241.6 | 2922730.6 | 96.85 mg/L | 96.85 mg/L | 21:21:35 |
| 2 | Mg 279.077† | 44645.6 | 44303.1 | 2.502 mg/L | 2.502 mg/L | 21:21:41 |
| 2 | Mn 257.610† | 668029.6 | 649422.3 | 0.7514 mg/L | 0.7514 mg/L | 21:21:35 |
| 2 | Mo 202.031† | 75.8 | -6.5 | 0.0061 mg/L | 0.0061 mg/L | 21:22:01 |
| 2 | Na 330.237† | 2065.3 | 507.1 | 1.581 mg/L | 1.581 mg/L | 21:21:41 |
| 2 | Ni 231.604† | 8711.2 | 4354.3 | 0.1036 mg/L | 0.1036 mg/L | 21:21:41 |
| 2 | Pb 220.353† | 9341.2 | 9051.5 | 1.222 mg/L | 1.222 mg/L | 21:21:41 |
| 2 | Sb 206.836† | 34.9 | -17.8 | -0.0067 mg/L | -0.0067 mg/L | 21:22:01 |
| 2 | Se 196.026† | -15.6 | 0.9 | 0.0028 mg/L | 0.0028 mg/L | 21:22:01 |
| 2 | Sn 189.927† | 208.5 | 13.4 | 0.0154 mg/L | 0.0154 mg/L | 21:22:01 |
| 2 | Ti 337.279† | 382143.4 | 371901.3 | 0.6743 mg/L | 0.6743 mg/L | 21:21:35 |
| 2 | Tl 190.801† | -39.8 | -20.7 | -0.0073 mg/L | -0.0073 mg/L | 21:22:01 |
| 2 | V 292.402† | 16026.0 | 13339.5 | 0.0730 mg/L | 0.0730 mg/L | 21:21:41 |
| 2 | Zn 213.857† | 88108.7 | 84773.8 | 1.085 mg/L | 1.085 mg/L | 21:21:41 |

 Mean Data: 0608248-07X5

| Analyte | Mean Corrected Intensity | Conc. Units | Calib | Std.Dev. | Conc. Units | Std.Dev. | RSD |
|-------------|--------------------------|--------------|-------|----------|--------------|----------|---------|
| Y 360.073 | 2058661.9 | 1.03 mg/L | | 0.009 | | 0.00003 | 0.89% |
| Ag 328.068† | 36717.3 | 0.1330 mg/L | | 0.00003 | 0.1330 mg/L | 0.00003 | 0.02% |
| Al 237.313† | 103997.3 | 14.36 mg/L | | 0.002 | 14.36 mg/L | 0.002 | 0.01% |
| As 188.979† | 7.3 | 0.0175 mg/L | | 0.00373 | 0.0175 mg/L | 0.00373 | 21.36% |
| B 182.528† | 5.1 | 0.0091 mg/L | | 0.00207 | 0.0091 mg/L | 0.00207 | 22.85% |
| Ba 233.527† | 20448.0 | 0.1328 mg/L | | 0.00033 | 0.1328 mg/L | 0.00033 | 0.25% |
| Be 313.107† | 2499.4 | 0.0008 mg/L | | 0.00000 | 0.0008 mg/L | 0.00000 | 0.29% |
| Ca 315.886† | 438408.4 | 3.978 mg/L | | 0.0183 | 3.978 mg/L | 0.0183 | 0.46% |
| Cd 228.802† | 417.9 | 0.0044 mg/L | | 0.00002 | 0.0044 mg/L | 0.00002 | 0.54% |
| Co 228.616† | 974.7 | 0.0143 mg/L | | 0.00003 | 0.0143 mg/L | 0.00003 | 0.18% |
| Cr 267.716† | 8400.6 | 0.0794 mg/L | | 0.00008 | 0.0794 mg/L | 0.00008 | 0.10% |
| Cu 324.752† | 346132.2 | 1.643 mg/L | | 0.0152 | 1.643 mg/L | 0.0152 | 0.92% |
| Fe 238.204† | 9553476.3 | 91.50 mg/L | | 0.227 | 91.50 mg/L | 0.227 | 0.25% |
| Fe 234.349† | 2932506.0 | 97.17 mg/L | | 0.458 | 97.17 mg/L | 0.458 | 0.47% |
| Mg 279.077† | 44284.9 | 2.500 mg/L | | 0.0025 | 2.500 mg/L | 0.0025 | 0.10% |
| Mn 257.610† | 651663.5 | 0.7540 mg/L | | 0.00368 | 0.7540 mg/L | 0.00368 | 0.49% |
| Mo 202.031† | -1.9 | 0.0066 mg/L | | 0.00070 | 0.0066 mg/L | 0.00070 | 10.61% |
| Na 330.237† | 489.6 | 1.557 mg/L | | 0.0328 | 1.557 mg/L | 0.0328 | 2.10% |
| Ni 231.604† | 4361.9 | 0.1038 mg/L | | 0.00025 | 0.1038 mg/L | 0.00025 | 0.24% |
| Pb 220.353† | 9056.7 | 1.223 mg/L | | 0.0010 | 1.223 mg/L | 0.0010 | 0.08% |
| Sb 206.836† | -21.9 | -0.0080 mg/L | | 0.00186 | -0.0080 mg/L | 0.00186 | 23.36% |
| Se 196.026† | -0.2 | 0.0007 mg/L | | 0.00299 | 0.0007 mg/L | 0.00299 | 447.11% |
| Sn 189.927† | 11.9 | 0.0147 mg/L | | 0.00097 | 0.0147 mg/L | 0.00097 | 6.60% |
| Ti 337.279† | 373388.7 | 0.6770 mg/L | | 0.00382 | 0.6770 mg/L | 0.00382 | 0.56% |
| Tl 190.801† | -15.5 | -0.0019 mg/L | | 0.00764 | -0.0019 mg/L | 0.00764 | 399.80% |
| V 292.402† | 13286.1 | 0.0727 mg/L | | 0.00041 | 0.0727 mg/L | 0.00041 | 0.57% |
| Zn 213.857† | 84757.7 | 1.085 mg/L | | 0.0003 | 1.085 mg/L | 0.0003 | 0.03% |

Sequence No.: 28
 Sample ID: 0608248-08X10
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 20
 Date Collected: 8/14/2006 9:23:37 PM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Replicate Data: 0608248-08X10

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. Units | Sample Conc. Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------------------|--------------------|---------------|
| 1 | Y 360.073 | 2062309.1 | 2062309.1 | 1.03 mg/L | | 21:25:10 |
| 1 | Ag 328.068† | 29169.8 | 27693.1 | 0.1009 mg/L | 0.1009 mg/L | 21:25:16 |
| 1 | Al 237.313† | 18531.4 | 18181.2 | 2.587 mg/L | 2.587 mg/L | 21:25:16 |
| 1 | As 188.979† | -7.6 | 1.9 | 0.0056 mg/L | 0.0056 mg/L | 21:25:36 |
| 1 | B 182.528† | -20.4 | 2.0 | 0.0059 mg/L | 0.0059 mg/L | 21:25:36 |
| 1 | Ba 233.527† | 18248.5 | 17415.4 | 0.1119 mg/L | 0.1119 mg/L | 21:25:16 |
| 1 | Be 313.107† | 4850.0 | 1565.3 | 0.0003 mg/L | 0.0003 mg/L | 21:25:10 |
| 1 | Ca 315.886† | 529136.9 | 511574.9 | 4.646 mg/L | 4.646 mg/L | 21:25:10 |
| 1 | Cd 228.802† | 926.2 | 351.8 | 0.0053 mg/L | 0.0053 mg/L | 21:25:36 |
| 1 | Co 228.616† | -19.5 | 146.1 | 0.0007 mg/L | 0.0007 mg/L | 21:25:36 |
| 1 | Cr 267.716† | 13764.4 | 11858.5 | 0.1060 mg/L | 0.1060 mg/L | 21:25:16 |
| 1 | Cu 324.752† | 929815.4 | 896291.4 | 4.250 mg/L | 4.250 mg/L | 21:25:10 |
| 1 | Fe 238.204† | 730827.5 | 705003.9 | 6.755 mg/L | 6.755 mg/L | 21:25:10 |
| 1 | Fe 234.349† | 212819.7 | 204980.7 | 6.784 mg/L | 6.784 mg/L | 21:25:10 |
| 1 | Mg 279.077† | 15374.9 | 15671.1 | 0.9389 mg/L | 0.9389 mg/L | 21:25:16 |
| 1 | Mn 257.610† | 46539.7 | 43690.9 | 0.0489 mg/L | 0.0489 mg/L | 21:25:16 |
| 1 | Mo 202.031† | 135.3 | 50.4 | 0.0066 mg/L | 0.0066 mg/L | 21:25:36 |
| 1 | Na 330.237† | 2051.6 | 477.6 | 1.207 mg/L | 1.207 mg/L | 21:25:16 |
| 1 | Ni 231.604† | 7798.6 | 3404.2 | 0.0812 mg/L | 0.0812 mg/L | 21:25:16 |
| 1 | Pb 220.353† | 14580.6 | 14040.5 | 1.899 mg/L | 1.899 mg/L | 21:25:16 |
| 1 | Sb 206.836† | 68.0 | 14.0 | 0.0030 mg/L | 0.0030 mg/L | 21:25:36 |
| 1 | Se 196.026† | -20.0 | -3.2 | -0.0048 mg/L | -0.0048 mg/L | 21:25:36 |
| 1 | Sn 189.927† | 652.8 | 441.1 | 0.2123 mg/L | 0.2123 mg/L | 21:25:36 |
| 1 | Ti 337.279† | 77764.9 | 74809.2 | 0.1345 mg/L | 0.1345 mg/L | 21:25:16 |
| 1 | Tl 190.801† | -18.1 | 0.5 | -0.0066 mg/L | -0.0066 mg/L | 21:25:36 |
| 1 | V 292.402† | 274700.1 | 263146.5 | 1.430 mg/L | 1.430 mg/L | 21:25:10 |
| 1 | Zn 213.857† | 35754.0 | 33496.7 | 0.4251 mg/L | 0.4251 mg/L | 21:25:16 |
| 2 | Y 360.073 | 2034876.7 | 2034876.7 | 1.02 mg/L | | 21:25:43 |
| 2 | Ag 328.068† | 29184.8 | 28087.8 | 0.1023 mg/L | 0.1023 mg/L | 21:25:48 |
| 2 | Al 237.313† | 18553.1 | 18443.8 | 2.625 mg/L | 2.625 mg/L | 21:25:48 |
| 2 | As 188.979† | -4.6 | 4.7 | 0.0101 mg/L | 0.0101 mg/L | 21:26:08 |
| 2 | B 182.528† | -25.4 | -3.1 | 0.0005 mg/L | 0.0005 mg/L | 21:26:08 |
| 2 | Ba 233.527† | 18210.6 | 17616.0 | 0.1132 mg/L | 0.1132 mg/L | 21:25:48 |
| 2 | Be 313.107† | 4735.1 | 1516.0 | 0.0003 mg/L | 0.0003 mg/L | 21:25:43 |
| 2 | Ca 315.886† | 520408.3 | 509919.9 | 4.631 mg/L | 4.631 mg/L | 21:25:43 |
| 2 | Cd 228.802† | 942.9 | 380.3 | 0.0057 mg/L | 0.0057 mg/L | 21:26:08 |
| 2 | Co 228.616† | -19.0 | 146.3 | 0.0007 mg/L | 0.0007 mg/L | 21:26:08 |
| 2 | Cr 267.716† | 13746.0 | 12019.8 | 0.1075 mg/L | 0.1075 mg/L | 21:25:48 |
| 2 | Cu 324.752† | 912393.6 | 891342.7 | 4.227 mg/L | 4.227 mg/L | 21:25:43 |
| 2 | Fe 238.204† | 718232.4 | 702189.8 | 6.728 mg/L | 6.728 mg/L | 21:25:43 |
| 2 | Fe 234.349† | 208898.2 | 203912.7 | 6.749 mg/L | 6.749 mg/L | 21:25:43 |
| 2 | Mg 279.077† | 15381.0 | 15877.4 | 0.9516 mg/L | 0.9516 mg/L | 21:25:48 |
| 2 | Mn 257.610† | 46633.5 | 44389.0 | 0.0497 mg/L | 0.0497 mg/L | 21:25:48 |
| 2 | Mo 202.031† | 131.9 | 48.8 | 0.0065 mg/L | 0.0065 mg/L | 21:26:08 |
| 2 | Na 330.237† | 2038.3 | 491.4 | 1.226 mg/L | 1.226 mg/L | 21:25:48 |
| 2 | Ni 231.604† | 7766.3 | 3474.1 | 0.0828 mg/L | 0.0828 mg/L | 21:25:48 |
| 2 | Pb 220.353† | 14556.9 | 14207.2 | 1.921 mg/L | 1.921 mg/L | 21:25:48 |
| 2 | Sb 206.836† | 63.9 | 10.9 | 0.0020 mg/L | 0.0020 mg/L | 21:26:08 |
| 2 | Se 196.026† | -15.8 | 0.7 | 0.0024 mg/L | 0.0024 mg/L | 21:26:08 |
| 2 | Sn 189.927† | 637.1 | 434.2 | 0.2091 mg/L | 0.2091 mg/L | 21:26:08 |
| 2 | Ti 337.279† | 78088.9 | 76139.4 | 0.1369 mg/L | 0.1369 mg/L | 21:25:48 |
| 2 | Tl 190.801† | -18.1 | 0.3 | -0.0067 mg/L | -0.0067 mg/L | 21:26:08 |
| 2 | V 292.402† | 269618.8 | 261748.7 | 1.422 mg/L | 1.422 mg/L | 21:25:43 |
| 2 | Zn 213.857† | 35732.2 | 33941.1 | 0.4308 mg/L | 0.4308 mg/L | 21:25:48 |

Mean Data: 0608248-08X10

| Analyte | Mean Corrected Intensity | Calib Conc. Units | Std.Dev. | Sample Conc. Units | Std.Dev. | RSD |
|-------------|--------------------------|-------------------|----------|--------------------|----------|---------|
| Y 360.073 | 2048592.9 | 1.03 mg/L | 0.010 | | | 0.95% |
| Ag 328.068† | 27890.4 | 0.1016 mg/L | 0.00100 | 0.1016 mg/L | 0.00100 | 0.99% |
| Al 237.313† | 18312.5 | 2.606 mg/L | 0.0270 | 2.606 mg/L | 0.0270 | 1.04% |
| As 188.979† | 3.3 | 0.0079 mg/L | 0.00314 | 0.0079 mg/L | 0.00314 | 39.95% |
| B 182.528† | -0.5 | 0.0032 mg/L | 0.00381 | 0.0032 mg/L | 0.00381 | 118.40% |
| Ba 233.527† | 17515.7 | 0.1125 mg/L | 0.00094 | 0.1125 mg/L | 0.00094 | 0.83% |
| Be 313.107† | 1540.7 | 0.0003 mg/L | 0.00001 | 0.0003 mg/L | 0.00001 | 2.43% |
| Ca 315.886† | 510747.4 | 4.639 mg/L | 0.0107 | 4.639 mg/L | 0.0107 | 0.23% |

| | | | | | | |
|-------------|----------|--------------|---------|--------------|---------|---------|
| Cd 228.802† | 366.1 | 0.0055 mg/L | 0.00028 | 0.0055 mg/L | 0.00028 | 5.11% |
| Co 228.616† | 146.2 | 0.0007 mg/L | 0.00000 | 0.0007 mg/L | 0.00000 | 0.21% |
| Cr 267.716† | 11939.1 | 0.1067 mg/L | 0.00101 | 0.1067 mg/L | 0.00101 | 0.94% |
| Cu 324.752† | 893817.0 | 4.239 mg/L | 0.0166 | 4.239 mg/L | 0.0166 | 0.39% |
| Fe 238.204† | 703596.8 | 6.741 mg/L | 0.0191 | 6.741 mg/L | 0.0191 | 0.28% |
| Fe 234.349† | 204446.7 | 6.767 mg/L | 0.0250 | 6.767 mg/L | 0.0250 | 0.37% |
| Mg 279.077† | 15774.3 | 0.9453 mg/L | 0.00895 | 0.9453 mg/L | 0.00895 | 0.95% |
| Mn 257.610† | 44039.9 | 0.0493 mg/L | 0.00057 | 0.0493 mg/L | 0.00057 | 1.15% |
| Mo 202.031† | 49.6 | 0.0065 mg/L | 0.00013 | 0.0065 mg/L | 0.00013 | 1.92% |
| Na 330.237† | 484.5 | 1.216 mg/L | 0.0133 | 1.216 mg/L | 0.0133 | 1.09% |
| Ni 231.604† | 3439.1 | 0.0820 mg/L | 0.00117 | 0.0820 mg/L | 0.00117 | 1.42% |
| Pb 220.353† | 14123.9 | 1.910 mg/L | 0.0159 | 1.910 mg/L | 0.0159 | 0.83% |
| Sb 206.836† | 12.4 | 0.0025 mg/L | 0.00071 | 0.0025 mg/L | 0.00071 | 28.26% |
| Se 196.026† | -1.2 | -0.0012 mg/L | 0.00503 | -0.0012 mg/L | 0.00503 | 417.15% |
| Sn 189.927† | 437.6 | 0.2107 mg/L | 0.00226 | 0.2107 mg/L | 0.00226 | 1.07% |
| Ti 337.279† | 75474.3 | 0.1357 mg/L | 0.00171 | 0.1357 mg/L | 0.00171 | 1.26% |
| Tl 190.801† | 0.4 | -0.0066 mg/L | 0.00009 | -0.0066 mg/L | 0.00009 | 1.34% |
| V 292.402† | 262447.6 | 1.426 mg/L | 0.0054 | 1.426 mg/L | 0.0054 | 0.38% |
| Zn 213.857† | 33718.9 | 0.4280 mg/L | 0.00404 | 0.4280 mg/L | 0.00404 | 0.94% |

Sequence No.: 29

Sample ID: BH61418-DUP1X10

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 21

Date Collected: 8/14/2006 9:27:46 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: BH61418-DUP1X10

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. Units | Sample Conc. Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------------------|--------------------|---------------|
| 1 | Y 360.073 | 2059799.5 | 2059799.5 | 1.03 mg/L | | 21:29:19 |
| 1 | Ag 328.068† | 30989.6 | 29487.9 | 0.1074 mg/L | 0.1074 mg/L | 21:29:24 |
| 1 | Al 237.313† | 16437.6 | 16177.5 | 2.277 mg/L | 2.277 mg/L | 21:29:24 |
| 1 | As 188.979† | -6.7 | 2.8 | 0.0069 mg/L | 0.0069 mg/L | 21:29:44 |
| 1 | B 182.528† | -22.5 | -0.1 | 0.0037 mg/L | 0.0037 mg/L | 21:29:44 |
| 1 | Ba 233.527† | 19720.8 | 18861.2 | 0.1213 mg/L | 0.1213 mg/L | 21:29:24 |
| 1 | Be 313.107† | 4630.8 | 1359.0 | 0.0003 mg/L | 0.0003 mg/L | 21:29:19 |
| 1 | Ca 315.886† | 575791.7 | 557330.9 | 5.063 mg/L | 5.063 mg/L | 21:29:19 |
| 1 | Cd 228.802† | 914.2 | 341.3 | 0.0051 mg/L | 0.0051 mg/L | 21:29:44 |
| 1 | Co 228.616† | -41.9 | 124.4 | 0.0004 mg/L | 0.0004 mg/L | 21:29:44 |
| 1 | Cr 267.716† | 12997.8 | 11133.1 | 0.0998 mg/L | 0.0998 mg/L | 21:29:24 |
| 1 | Cu 324.752† | 990088.2 | 955692.9 | 4.532 mg/L | 4.532 mg/L | 21:29:19 |
| 1 | Fe 238.204† | 1042868.9 | 1007728.1 | 9.654 mg/L | 9.654 mg/L | 21:29:19 |
| 1 | Fe 234.349† | 304158.0 | 293590.5 | 9.721 mg/L | 9.721 mg/L | 21:29:19 |
| 1 | Mg 279.077† | 14385.3 | 14731.9 | 0.8754 mg/L | 0.8754 mg/L | 21:29:24 |
| 1 | Mn 257.610† | 43658.6 | 40958.6 | 0.0458 mg/L | 0.0458 mg/L | 21:29:24 |
| 1 | Mo 202.031† | 126.4 | 42.0 | 0.0061 mg/L | 0.0061 mg/L | 21:29:44 |
| 1 | Na 330.237† | 2045.0 | 473.7 | 1.212 mg/L | 1.212 mg/L | 21:29:24 |
| 1 | Ni 231.604† | 7091.4 | 2729.2 | 0.0652 mg/L | 0.0652 mg/L | 21:29:24 |
| 1 | Pb 220.353† | 17030.9 | 16428.1 | 2.221 mg/L | 2.221 mg/L | 21:29:24 |
| 1 | Sb 206.836† | 67.1 | 13.2 | 0.0029 mg/L | 0.0029 mg/L | 21:29:44 |
| 1 | Se 196.026† | -18.1 | -1.4 | -0.0015 mg/L | -0.0015 mg/L | 21:29:44 |
| 1 | Sn 189.927† | 661.2 | 449.9 | 0.2163 mg/L | 0.2163 mg/L | 21:29:44 |
| 1 | Ti 337.279† | 66871.2 | 64362.3 | 0.1156 mg/L | 0.1156 mg/L | 21:29:24 |
| 1 | Tl 190.801† | -13.2 | 5.3 | -0.0029 mg/L | -0.0029 mg/L | 21:29:44 |
| 1 | V 292.402† | 301585.4 | 289478.2 | 1.573 mg/L | 1.573 mg/L | 21:29:19 |
| 1 | Zn 213.857† | 37683.9 | 35405.8 | 0.4496 mg/L | 0.4496 mg/L | 21:29:24 |
| 2 | Y 360.073 | 2056541.3 | 2056541.3 | 1.03 mg/L | | 21:29:51 |
| 2 | Ag 328.068† | 30700.9 | 29255.7 | 0.1065 mg/L | 0.1065 mg/L | 21:29:57 |
| 2 | Al 237.313† | 16117.8 | 15892.8 | 2.237 mg/L | 2.237 mg/L | 21:29:57 |
| 2 | As 188.979† | -8.4 | 1.1 | 0.0042 mg/L | 0.0042 mg/L | 21:30:17 |
| 2 | B 182.528† | -20.3 | 2.1 | 0.0060 mg/L | 0.0060 mg/L | 21:30:17 |
| 2 | Ba 233.527† | 19458.0 | 18636.8 | 0.1198 mg/L | 0.1198 mg/L | 21:29:57 |
| 2 | Be 313.107† | 4515.0 | 1253.9 | 0.0003 mg/L | 0.0003 mg/L | 21:29:51 |
| 2 | Ca 315.886† | 565380.0 | 548125.4 | 4.979 mg/L | 4.979 mg/L | 21:29:51 |
| 2 | Cd 228.802† | 907.0 | 335.7 | 0.0050 mg/L | 0.0050 mg/L | 21:30:17 |
| 2 | Co 228.616† | -42.3 | 123.9 | 0.0004 mg/L | 0.0004 mg/L | 21:30:17 |
| 2 | Cr 267.716† | 12848.4 | 11008.3 | 0.0987 mg/L | 0.0987 mg/L | 21:29:57 |
| 2 | Cu 324.752† | 968131.0 | 935935.7 | 4.438 mg/L | 4.438 mg/L | 21:29:51 |
| 2 | Fe 238.204† | 1024017.3 | 991060.9 | 9.495 mg/L | 9.495 mg/L | 21:29:51 |

| | | | | | | |
|---|-------------|----------|----------|--------------|--------------|----------|
| 2 | Fe 234.349† | 298588.3 | 288660.1 | 9.557 mg/L | 9.557 mg/L | 21:29:51 |
| 2 | Mg 279.077† | 14160.1 | 14535.8 | 0.8638 mg/L | 0.8638 mg/L | 21:29:57 |
| 2 | Mn 257.610† | 43180.4 | 40562.2 | 0.0454 mg/L | 0.0454 mg/L | 21:29:57 |
| 2 | Mo 202.031† | 118.8 | 34.7 | 0.0053 mg/L | 0.0053 mg/L | 21:30:17 |
| 2 | Na 330.237† | 1976.6 | 410.6 | 1.123 mg/L | 1.123 mg/L | 21:29:57 |
| 2 | Ni 231.604† | 7097.3 | 2745.8 | 0.0656 mg/L | 0.0656 mg/L | 21:29:57 |
| 2 | Pb 220.353† | 16824.7 | 16254.4 | 2.198 mg/L | 2.198 mg/L | 21:29:57 |
| 2 | Sb 206.836† | 62.0 | 8.3 | 0.0013 mg/L | 0.0013 mg/L | 21:30:17 |
| 2 | Se 196.026† | -12.8 | 3.7 | 0.0080 mg/L | 0.0080 mg/L | 21:30:17 |
| 2 | Sn 189.927† | 638.5 | 428.9 | 0.2066 mg/L | 0.2066 mg/L | 21:30:17 |
| 2 | Ti 337.279† | 65967.7 | 63589.4 | 0.1141 mg/L | 0.1141 mg/L | 21:29:57 |
| 2 | Tl 190.801† | -15.3 | 3.2 | -0.0048 mg/L | -0.0048 mg/L | 21:30:17 |
| 2 | V 292.402† | 295730.9 | 284267.9 | 1.544 mg/L | 1.544 mg/L | 21:29:51 |
| 2 | Zn 213.857† | 37161.4 | 34957.3 | 0.4439 mg/L | 0.4439 mg/L | 21:29:57 |

Mean Data: BH61418-DUP1X10

| Analyte | Mean Corrected Intensity | Conc. Units | Calib | Std.Dev. | Conc. Units | Sample | Std.Dev. | RSD |
|-------------|--------------------------|--------------|-------|----------|--------------|--------|----------|---------|
| Y 360.073 | 2058170.4 | 1.03 mg/L | | 0.001 | | | | 0.11% |
| Ag 328.068† | 29371.8 | 0.1069 mg/L | | 0.00060 | 0.1069 mg/L | | 0.00060 | 0.56% |
| Al 237.313† | 16035.1 | 2.257 mg/L | | 0.0283 | 2.257 mg/L | | 0.0283 | 1.25% |
| As 188.979† | 2.0 | 0.0056 mg/L | | 0.00187 | 0.0056 mg/L | | 0.00187 | 33.72% |
| B 182.528† | 1.0 | 0.0048 mg/L | | 0.00160 | 0.0048 mg/L | | 0.00160 | 33.25% |
| Ba 233.527† | 18749.0 | 0.1206 mg/L | | 0.00103 | 0.1206 mg/L | | 0.00103 | 0.85% |
| Be 313.107† | 1306.4 | 0.0003 mg/L | | 0.00002 | 0.0003 mg/L | | 0.00002 | 6.09% |
| Ca 315.886† | 552728.1 | 5.021 mg/L | | 0.0593 | 5.021 mg/L | | 0.0593 | 1.18% |
| Cd 228.802† | 338.5 | 0.0050 mg/L | | 0.00005 | 0.0050 mg/L | | 0.00005 | 0.90% |
| Co 228.616† | 124.2 | 0.0004 mg/L | | 0.00000 | 0.0004 mg/L | | 0.00000 | 0.82% |
| Cr 267.716† | 11070.7 | 0.0992 mg/L | | 0.00079 | 0.0992 mg/L | | 0.00079 | 0.80% |
| Cu 324.752† | 945814.3 | 4.485 mg/L | | 0.0662 | 4.485 mg/L | | 0.0662 | 1.48% |
| Fe 238.204† | 999394.5 | 9.575 mg/L | | 0.1129 | 9.575 mg/L | | 0.1129 | 1.18% |
| Fe 234.349† | 291125.3 | 9.639 mg/L | | 0.1155 | 9.639 mg/L | | 0.1155 | 1.20% |
| Mg 279.077† | 14633.8 | 0.8696 mg/L | | 0.00820 | 0.8696 mg/L | | 0.00820 | 0.94% |
| Mn 257.610† | 40760.4 | 0.0456 mg/L | | 0.00033 | 0.0456 mg/L | | 0.00033 | 0.72% |
| Mo 202.031† | 38.4 | 0.0057 mg/L | | 0.00055 | 0.0057 mg/L | | 0.00055 | 9.73% |
| Na 330.237† | 442.1 | 1.167 mg/L | | 0.0625 | 1.167 mg/L | | 0.0625 | 5.35% |
| Ni 231.604† | 2737.5 | 0.0654 mg/L | | 0.00028 | 0.0654 mg/L | | 0.00028 | 0.42% |
| Pb 220.353† | 16341.3 | 2.210 mg/L | | 0.0166 | 2.210 mg/L | | 0.0166 | 0.75% |
| Sb 206.836† | 10.8 | 0.0021 mg/L | | 0.00108 | 0.0021 mg/L | | 0.00108 | 51.61% |
| Se 196.026† | 1.2 | 0.0033 mg/L | | 0.00669 | 0.0033 mg/L | | 0.00669 | 205.64% |
| Sn 189.927† | 439.4 | 0.2114 mg/L | | 0.00688 | 0.2114 mg/L | | 0.00688 | 3.25% |
| Ti 337.279† | 63975.9 | 0.1148 mg/L | | 0.00099 | 0.1148 mg/L | | 0.00099 | 0.86% |
| Tl 190.801† | 4.2 | -0.0038 mg/L | | 0.00137 | -0.0038 mg/L | | 0.00137 | 35.88% |
| V 292.402† | 286873.1 | 1.558 mg/L | | 0.0200 | 1.558 mg/L | | 0.0200 | 1.28% |
| Zn 213.857† | 35181.6 | 0.4467 mg/L | | 0.00404 | 0.4467 mg/L | | 0.00404 | 0.90% |

Duplicate Check: BH61418-DUP1X10

| Analyte | Expected Conc. | Measured Conc. | Std. Dev. | Units | Difference (%) |
|------------|----------------|----------------|-----------|-------|----------------|
| Y 360.073 | | | 0.000 | mg/L | Not calculated |
| Ag 328.068 | 0.1016 | 0.1069 | 0.001 | mg/L | 5.1 |
| Al 237.313 | 2.606 | 2.257 | 0.028 | mg/L | 14.4 |
| As 188.979 | 0.0079 | 0.0056 | 0.002 | mg/L | 34.4 |
| B 182.528 | 0.0032 | 0.0048 | 0.002 | mg/L | 39.9 |
| Ba 233.527 | 0.1125 | 0.1206 | 0.001 | mg/L | 6.9 |
| Be 313.107 | 0.0003 | 0.0003 | 0.000 | mg/L | 15.1 |
| Ca 315.886 | 4.639 | 5.021 | 0.059 | mg/L | 7.9 |
| Cd 228.802 | 0.0055 | 0.0050 | 0.000 | mg/L | 8.8 |
| Co 228.616 | 0.0007 | 0.0004 | 0.000 | mg/L | 58.4 |
| Cr 267.716 | 0.1067 | 0.0992 | 0.001 | mg/L | 7.3 |
| Cu 324.752 | 4.239 | 4.485 | 0.066 | mg/L | 5.7 |
| Fe 238.204 | 6.741 | 9.575 | 0.113 | mg/L | 34.7 |
| Fe 234.349 | 6.767 | 9.639 | 0.116 | mg/L | 35.0 |
| Mg 279.077 | 0.9453 | 0.8696 | 0.008 | mg/L | 8.3 |
| Mn 257.610 | 0.0493 | 0.0456 | 0.000 | mg/L | 7.8 |
| Mo 202.031 | 0.0065 | 0.0057 | 0.001 | mg/L | 14.4 |
| Na 330.237 | 1.216 | 1.167 | 0.062 | mg/L | 4.1 |
| Ni 231.604 | 0.0820 | 0.0654 | 0.000 | mg/L | 22.5 |
| Pb 220.353 | 1.910 | 2.210 | 0.017 | mg/L | 14.5 |

| | | | | | |
|------------|---------|---------|-------|------|-------|
| Sb 206.836 | 0.0025 | 0.0021 | 0.001 | mg/L | 18.6 |
| Se 196.026 | -0.0012 | 0.0033 | 0.007 | mg/L | 435.7 |
| Sn 189.927 | 0.2107 | 0.2114 | 0.007 | mg/L | 0.4 |
| Ti 337.279 | 0.1357 | 0.1148 | 0.001 | mg/L | 16.7 |
| Tl 190.801 | -0.0066 | -0.0038 | 0.001 | mg/L | -53.8 |
| V 292.402 | 1.426 | 1.558 | 0.020 | mg/L | 8.9 |
| Zn 213.857 | 0.4280 | 0.4467 | 0.004 | mg/L | 4.3 |

Sequence No.: 30
 Sample ID: BH61418-MS1X10
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 22
 Date Collected: 8/14/2006 9:31:54 PM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Replicate Data: BH61418-MS1X10

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. Units | Sample Conc. Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------------------|--------------------|---------------|
| 1 | Y 360.073 | 2030734.4 | 2030734.4 | 1.02 mg/L | | 21:33:28 |
| 1 | Ag 328.068† | 41268.2 | 40002.6 | 0.1452 mg/L | 0.1452 mg/L | 21:33:33 |
| 1 | Al 237.313† | 23941.2 | 23767.9 | 3.392 mg/L | 3.392 mg/L | 21:33:33 |
| 1 | As 188.979† | 24.6 | 33.4 | 0.0560 mg/L | 0.0560 mg/L | 21:33:53 |
| 1 | B 182.528† | 19.5 | 40.8 | 0.0464 mg/L | 0.0464 mg/L | 21:33:53 |
| 1 | Ba 233.527† | 27043.5 | 26319.5 | 0.1704 mg/L | 0.1704 mg/L | 21:33:33 |
| 1 | Be 313.107† | 26179.6 | 22567.4 | 0.0050 mg/L | 0.0050 mg/L | 21:33:28 |
| 1 | Ca 315.886† | 595142.8 | 584291.1 | 5.308 mg/L | 5.308 mg/L | 21:33:28 |
| 1 | Cd 228.802† | 2515.1 | 1924.8 | 0.0277 mg/L | 0.0277 mg/L | 21:33:53 |
| 1 | Co 228.616† | 2606.3 | 2722.4 | 0.0460 mg/L | 0.0460 mg/L | 21:33:53 |
| 1 | Cr 267.716† | 22602.7 | 20737.7 | 0.1848 mg/L | 0.1848 mg/L | 21:33:33 |
| 1 | Cu 324.752† | 1058437.2 | 1036467.5 | 4.915 mg/L | 4.915 mg/L | 21:33:28 |
| 1 | Fe 238.204† | 750458.5 | 735245.6 | 7.045 mg/L | 7.045 mg/L | 21:33:28 |
| 1 | Fe 234.349† | 218452.1 | 213704.6 | 7.073 mg/L | 7.073 mg/L | 21:33:28 |
| 1 | Mg 279.077† | 25408.9 | 25747.7 | 1.553 mg/L | 1.553 mg/L | 21:33:33 |
| 1 | Mn 257.610† | 87843.1 | 84918.2 | 0.0965 mg/L | 0.0965 mg/L | 21:33:33 |
| 1 | Mo 202.031† | 589.7 | 498.3 | 0.0532 mg/L | 0.0532 mg/L | 21:33:53 |
| 1 | Na 330.237† | 3455.7 | 1886.2 | 3.170 mg/L | 3.170 mg/L | 21:33:33 |
| 1 | Ni 231.604† | 10651.8 | 6321.0 | 0.1500 mg/L | 0.1500 mg/L | 21:33:33 |
| 1 | Pb 220.353† | 17765.8 | 17385.0 | 2.351 mg/L | 2.351 mg/L | 21:33:33 |
| 1 | Sb 206.836† | 181.9 | 126.7 | 0.0378 mg/L | 0.0378 mg/L | 21:33:53 |
| 1 | Se 196.026† | 37.1 | 52.6 | 0.0983 mg/L | 0.0983 mg/L | 21:33:53 |
| 1 | Sn 189.927† | 878.5 | 672.3 | 0.3195 mg/L | 0.3195 mg/L | 21:33:53 |
| 1 | Ti 337.279† | 110448.6 | 108047.7 | 0.1949 mg/L | 0.1949 mg/L | 21:33:28 |
| 1 | Tl 190.801† | 25.2 | 42.7 | 0.0357 mg/L | 0.0357 mg/L | 21:33:53 |
| 1 | V 292.402† | 300215.5 | 292309.8 | 1.589 mg/L | 1.589 mg/L | 21:33:28 |
| 1 | Zn 213.857† | 41531.3 | 39702.8 | 0.5041 mg/L | 0.5041 mg/L | 21:33:33 |
| 2 | Y 360.073 | 2086320.6 | 2086320.6 | 1.05 mg/L | | 21:34:00 |
| 2 | Ag 328.068† | 40911.7 | 38583.3 | 0.1401 mg/L | 0.1401 mg/L | 21:34:06 |
| 2 | Al 237.313† | 23676.1 | 22888.7 | 3.265 mg/L | 3.265 mg/L | 21:34:06 |
| 2 | As 188.979† | 22.2 | 30.5 | 0.0514 mg/L | 0.0514 mg/L | 21:34:26 |
| 2 | B 182.528† | 23.1 | 43.8 | 0.0495 mg/L | 0.0495 mg/L | 21:34:26 |
| 2 | Ba 233.527† | 26762.1 | 25343.7 | 0.1639 mg/L | 0.1639 mg/L | 21:34:06 |
| 2 | Be 313.107† | 26450.0 | 22141.3 | 0.0049 mg/L | 0.0049 mg/L | 21:34:00 |
| 2 | Ca 315.886† | 605744.1 | 578857.4 | 5.259 mg/L | 5.259 mg/L | 21:34:00 |
| 2 | Cd 228.802† | 2504.7 | 1849.1 | 0.0267 mg/L | 0.0267 mg/L | 21:34:26 |
| 2 | Co 228.616† | 2570.9 | 2620.4 | 0.0442 mg/L | 0.0442 mg/L | 21:34:26 |
| 2 | Cr 267.716† | 22328.8 | 19885.2 | 0.1772 mg/L | 0.1772 mg/L | 21:34:06 |
| 2 | Cu 324.752† | 1085503.5 | 1034647.4 | 4.906 mg/L | 4.906 mg/L | 21:34:00 |
| 2 | Fe 238.204† | 764170.8 | 728722.8 | 6.982 mg/L | 6.982 mg/L | 21:34:00 |
| 2 | Fe 234.349† | 222481.1 | 211841.6 | 7.011 mg/L | 7.011 mg/L | 21:34:00 |
| 2 | Mg 279.077† | 25074.2 | 24763.8 | 1.493 mg/L | 1.493 mg/L | 21:34:06 |
| 2 | Mn 257.610† | 87004.6 | 81820.8 | 0.0929 mg/L | 0.0929 mg/L | 21:34:06 |
| 2 | Mo 202.031† | 578.0 | 471.7 | 0.0504 mg/L | 0.0504 mg/L | 21:34:26 |
| 2 | Na 330.237† | 3437.8 | 1778.9 | 3.021 mg/L | 3.021 mg/L | 21:34:06 |
| 2 | Ni 231.604† | 10599.1 | 5992.2 | 0.1423 mg/L | 0.1423 mg/L | 21:34:06 |
| 2 | Pb 220.353† | 17560.3 | 16724.3 | 2.262 mg/L | 2.262 mg/L | 21:34:06 |
| 2 | Sb 206.836† | 191.4 | 131.1 | 0.0392 mg/L | 0.0392 mg/L | 21:34:26 |
| 2 | Se 196.026† | 37.7 | 52.1 | 0.0975 mg/L | 0.0975 mg/L | 21:34:26 |
| 2 | Sn 189.927† | 852.6 | 624.6 | 0.2974 mg/L | 0.2974 mg/L | 21:34:26 |
| 2 | Ti 337.279† | 112663.6 | 107275.7 | 0.1935 mg/L | 0.1935 mg/L | 21:34:00 |
| 2 | Tl 190.801† | 30.5 | 47.2 | 0.0403 mg/L | 0.0403 mg/L | 21:34:26 |

| | | | | | | |
|---|-------------|----------|----------|-------------|-------------|----------|
| 2 | V 292.402† | 306247.4 | 290222.2 | 1.577 mg/L | 1.577 mg/L | 21:34:00 |
| 2 | Zn 213.857† | 41120.8 | 38224.9 | 0.4851 mg/L | 0.4851 mg/L | 21:34:06 |

Mean Data: BH61418-MS1X10

| Analyte | Mean Corrected | | Calib | | Sample | | RSD |
|-------------|----------------|--------|-------|----------|--------|-------|---------------|
| | Intensity | Conc. | Units | Std.Dev. | Conc. | Units | |
| Y 360.073 | 2058527.5 | 1.03 | mg/L | 0.020 | | | 1.91% |
| Ag 328.068† | 39293.0 | 0.1427 | mg/L | 0.00361 | 0.1427 | mg/L | 0.00361 2.53% |
| Al 237.313† | 23328.3 | 3.328 | mg/L | 0.0895 | 3.328 | mg/L | 0.0895 2.69% |
| As 188.979† | 31.9 | 0.0537 | mg/L | 0.00328 | 0.0537 | mg/L | 0.00328 6.11% |
| B 182.528† | 42.3 | 0.0479 | mg/L | 0.00217 | 0.0479 | mg/L | 0.00217 4.52% |
| Ba 233.527† | 25831.6 | 0.1671 | mg/L | 0.00453 | 0.1671 | mg/L | 0.00453 2.71% |
| Be 313.107† | 22354.4 | 0.0050 | mg/L | 0.00007 | 0.0050 | mg/L | 0.00007 1.36% |
| Ca 315.886† | 581574.2 | 5.283 | mg/L | 0.0350 | 5.283 | mg/L | 0.0350 0.66% |
| Cd 228.802† | 1887.0 | 0.0272 | mg/L | 0.00076 | 0.0272 | mg/L | 0.00076 2.79% |
| Co 228.616† | 2671.4 | 0.0451 | mg/L | 0.00127 | 0.0451 | mg/L | 0.00127 2.80% |
| Cr 267.716† | 20311.4 | 0.1810 | mg/L | 0.00535 | 0.1810 | mg/L | 0.00535 2.95% |
| Cu 324.752† | 1035557.4 | 4.911 | mg/L | 0.0061 | 4.911 | mg/L | 0.0061 0.12% |
| Fe 238.204† | 731984.2 | 7.013 | mg/L | 0.0442 | 7.013 | mg/L | 0.0442 0.63% |
| Fe 234.349† | 212773.1 | 7.042 | mg/L | 0.0436 | 7.042 | mg/L | 0.0436 0.62% |
| Mg 279.077† | 25255.8 | 1.523 | mg/L | 0.0423 | 1.523 | mg/L | 0.0423 2.78% |
| Mn 257.610† | 83369.5 | 0.0947 | mg/L | 0.00253 | 0.0947 | mg/L | 0.00253 2.67% |
| Mo 202.031† | 485.0 | 0.0518 | mg/L | 0.00196 | 0.0518 | mg/L | 0.00196 3.78% |
| Na 330.237† | 1832.5 | 3.096 | mg/L | 0.1052 | 3.096 | mg/L | 0.1052 3.40% |
| Ni 231.604† | 6156.6 | 0.1462 | mg/L | 0.00549 | 0.1462 | mg/L | 0.00549 3.76% |
| Pb 220.353† | 17054.7 | 2.307 | mg/L | 0.0632 | 2.307 | mg/L | 0.0632 2.74% |
| Sb 206.836† | 128.9 | 0.0385 | mg/L | 0.00105 | 0.0385 | mg/L | 0.00105 2.72% |
| Se 196.026† | 52.4 | 0.0979 | mg/L | 0.00062 | 0.0979 | mg/L | 0.00062 0.64% |
| Sn 189.927† | 648.4 | 0.3085 | mg/L | 0.01564 | 0.3085 | mg/L | 0.01564 5.07% |
| Ti 337.279† | 107661.7 | 0.1942 | mg/L | 0.00099 | 0.1942 | mg/L | 0.00099 0.51% |
| Tl 190.801† | 44.9 | 0.0380 | mg/L | 0.00323 | 0.0380 | mg/L | 0.00323 8.51% |
| V 292.402† | 291266.0 | 1.583 | mg/L | 0.0081 | 1.583 | mg/L | 0.0081 0.51% |
| Zn 213.857† | 38963.8 | 0.4946 | mg/L | 0.01338 | 0.4946 | mg/L | 0.01338 2.70% |

Matrix Recovery Check: BH61418-MS1X10

| Analyte | Expected | | Measured | | Std. Dev. | Units | Recovery (%) |
|------------|----------|--------|----------|-------|-----------|-------|--------------|
| | Conc. | Conc. | Conc. | Conc. | | | |
| Ag 328.068 | 0.3516 | 0.1427 | 0.004 | mg/L | 16.4 | | |
| Al 237.313 | 5.106 | 3.328 | 0.090 | mg/L | 28.9 | | |
| As 188.979 | 0.5079 | 0.0537 | 0.003 | mg/L | 9.2 | | |
| B 182.528 | 0.5032 | 0.0479 | 0.002 | mg/L | 8.9 | | |
| Ba 233.527 | 0.6125 | 0.1671 | 0.005 | mg/L | 10.9 | | |
| Be 313.107 | 0.0503 | 0.0050 | 0.000 | mg/L | 9.3 | | |
| Ca 315.886 | 9.639 | 5.283 | 0.035 | mg/L | 12.9 | | |
| Cd 228.802 | 0.2555 | 0.0272 | 0.001 | mg/L | 8.7 | | |
| Co 228.616 | 0.5007 | 0.0451 | 0.001 | mg/L | 8.9 | | |
| Cr 267.716 | 0.6067 | 0.1810 | 0.005 | mg/L | 14.8 | | |
| Cu 324.752 | 4.739 | 4.911 | 0.006 | mg/L | 134.4 | | |
| Fe 238.204 | 9.241 | 7.013 | 0.044 | mg/L | 10.9 | | |
| Fe 234.349 | 9.267 | 7.042 | 0.044 | mg/L | 11.0 | | |
| Mg 279.077 | 5.945 | 1.523 | 0.042 | mg/L | 11.6 | | |
| Mn 257.610 | 0.5493 | 0.0947 | 0.003 | mg/L | 9.1 | | |
| Mo 202.031 | 0.5065 | 0.0518 | 0.002 | mg/L | 9.1 | | |
| Na 330.237 | 26.22 | 3.096 | 0.105 | mg/L | 7.5 | | |
| Ni 231.604 | 0.5820 | 0.1462 | 0.005 | mg/L | 12.8 | | |
| Pb 220.353 | 2.410 | 2.307 | 0.063 | mg/L | 79.3 | | |
| Sb 206.836 | 0.5025 | 0.0385 | 0.001 | mg/L | 7.2 | | |
| Se 196.026 | 0.9988 | 0.0979 | 0.001 | mg/L | 9.9 | | |
| Sn 189.927 | 0.7107 | 0.3085 | 0.016 | mg/L | 19.6 | | |
| Ti 337.279 | 0.6357 | 0.1942 | 0.001 | mg/L | 11.7 | | |
| Tl 190.801 | 0.4934 | 0.0380 | 0.003 | mg/L | 8.9 | | |
| V 292.402 | 1.926 | 1.583 | 0.008 | mg/L | 31.4 | | |
| Zn 213.857 | 0.9280 | 0.4946 | 0.013 | mg/L | 13.3 | | |

Sequence No.: 31
Sample ID: BH61418-SD1X50
Analyst:
Initial Sample Wt:

Autosampler Location: 23
Date Collected: 8/14/2006 9:36:03 PM
Data Type: Original
Initial Sample Vol:

Dilution:

Sample Prep Vol:

Replicate Data: BH61418-SD1X50

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. Units | Sample Conc. Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------------------|--------------------|---------------|
| 1 | Y 360.073 | 2005274.2 | 2005274.2 | 1.01 mg/L | | 21:37:36 |
| 1 | Ag 328.068† | 5985.8 | 5457.1 | 0.0205 mg/L | 0.0205 mg/L | 21:37:41 |
| 1 | Al 237.313† | 3326.9 | 3581.9 | 0.5155 mg/L | 0.5155 mg/L | 21:37:41 |
| 1 | As 188.979† | -6.0 | 3.3 | 0.0073 mg/L | 0.0073 mg/L | 21:38:01 |
| 1 | B 182.528† | -23.4 | -1.5 | 0.0022 mg/L | 0.0022 mg/L | 21:38:01 |
| 1 | Ba 233.527† | 3640.7 | 3401.4 | 0.0205 mg/L | 0.0205 mg/L | 21:38:01 |
| 1 | Be 313.107† | 3390.0 | 247.8 | 0.0000 mg/L | 0.0000 mg/L | 21:37:36 |
| 1 | Ca 315.886† | 98927.5 | 98622.2 | 0.8860 mg/L | 0.8860 mg/L | 21:37:41 |
| 1 | Cd 228.802† | 651.5 | 104.3 | 0.0021 mg/L | 0.0021 mg/L | 21:38:01 |
| 1 | Co 228.616† | -130.3 | 35.5 | -0.0009 mg/L | -0.0009 mg/L | 21:38:01 |
| 1 | Cr 267.716† | 3806.8 | 2342.1 | 0.0212 mg/L | 0.0212 mg/L | 21:37:41 |
| 1 | Cu 324.752† | 178681.0 | 175450.5 | 0.8334 mg/L | 0.8334 mg/L | 21:37:36 |
| 1 | Fe 238.204† | 140566.7 | 138552.7 | 1.327 mg/L | 1.327 mg/L | 21:37:36 |
| 1 | Fe 234.349† | 40466.1 | 39563.5 | 1.303 mg/L | 1.303 mg/L | 21:37:41 |
| 1 | Mg 279.077† | 2331.7 | 3132.8 | 0.1866 mg/L | 0.1866 mg/L | 21:37:41 |
| 1 | Mn 257.610† | 12905.2 | 11547.7 | 0.0116 mg/L | 0.0116 mg/L | 21:37:41 |
| 1 | Mo 202.031† | 99.7 | 18.7 | 0.0022 mg/L | 0.0022 mg/L | 21:38:01 |
| 1 | Na 330.237† | 1739.5 | 223.9 | 0.8517 mg/L | 0.8517 mg/L | 21:37:41 |
| 1 | Ni 231.604† | 4788.6 | 627.5 | 0.0156 mg/L | 0.0156 mg/L | 21:37:41 |
| 1 | Pb 220.353† | 2808.1 | 2743.1 | 0.3710 mg/L | 0.3710 mg/L | 21:38:01 |
| 1 | Sb 206.836† | 53.2 | 1.1 | 0.0000 mg/L | 0.0000 mg/L | 21:38:01 |
| 1 | Se 196.026† | -15.3 | 0.9 | 0.0028 mg/L | 0.0028 mg/L | 21:38:01 |
| 1 | Sn 189.927† | 188.0 | -2.9 | 0.0064 mg/L | 0.0064 mg/L | 21:38:01 |
| 1 | Ti 337.279† | 15153.2 | 14729.8 | 0.0254 mg/L | 0.0254 mg/L | 21:37:41 |
| 1 | Tl 190.801† | -17.3 | 0.8 | 0.0011 mg/L | 0.0011 mg/L | 21:38:01 |
| 1 | V 292.402† | 53356.8 | 50749.3 | 0.2762 mg/L | 0.2762 mg/L | 21:37:41 |
| 1 | Zn 213.857† | 8372.7 | 7270.9 | 0.0905 mg/L | 0.0905 mg/L | 21:37:41 |
| 2 | Y 360.073 | 2028064.8 | 2028064.8 | 1.02 mg/L | | 21:38:08 |
| 2 | Ag 328.068† | 6003.9 | 5408.1 | 0.0203 mg/L | 0.0203 mg/L | 21:38:13 |
| 2 | Al 237.313† | 3294.3 | 3512.8 | 0.5056 mg/L | 0.5056 mg/L | 21:38:13 |
| 2 | As 188.979† | -10.2 | -0.8 | 0.0007 mg/L | 0.0007 mg/L | 21:38:33 |
| 2 | B 182.528† | -27.1 | -4.9 | -0.0013 mg/L | -0.0013 mg/L | 21:38:33 |
| 2 | Ba 233.527† | 3618.4 | 3338.8 | 0.0201 mg/L | 0.0201 mg/L | 21:38:33 |
| 2 | Be 313.107† | 3429.5 | 248.7 | 0.0000 mg/L | 0.0000 mg/L | 21:38:08 |
| 2 | Ca 315.886† | 98730.7 | 97324.1 | 0.8742 mg/L | 0.8742 mg/L | 21:38:13 |
| 2 | Cd 228.802† | 635.8 | 81.5 | 0.0018 mg/L | 0.0018 mg/L | 21:38:33 |
| 2 | Co 228.616† | -155.2 | 12.5 | -0.0013 mg/L | -0.0013 mg/L | 21:38:33 |
| 2 | Cr 267.716† | 3805.8 | 2298.6 | 0.0208 mg/L | 0.0208 mg/L | 21:38:13 |
| 2 | Cu 324.752† | 180277.0 | 175023.3 | 0.8314 mg/L | 0.8314 mg/L | 21:38:08 |
| 2 | Fe 238.204† | 141791.7 | 138186.7 | 1.324 mg/L | 1.324 mg/L | 21:38:08 |
| 2 | Fe 234.349† | 40375.7 | 39022.8 | 1.285 mg/L | 1.285 mg/L | 21:38:13 |
| 2 | Mg 279.077† | 2310.9 | 3086.2 | 0.1838 mg/L | 0.1838 mg/L | 21:38:13 |
| 2 | Mn 257.610† | 12844.8 | 11344.2 | 0.0114 mg/L | 0.0114 mg/L | 21:38:13 |
| 2 | Mo 202.031† | 98.0 | 15.9 | 0.0019 mg/L | 0.0019 mg/L | 21:38:33 |
| 2 | Na 330.237† | 1779.0 | 243.3 | 0.8789 mg/L | 0.8789 mg/L | 21:38:13 |
| 2 | Ni 231.604† | 4797.2 | 582.5 | 0.0146 mg/L | 0.0146 mg/L | 21:38:13 |
| 2 | Pb 220.353† | 2782.3 | 2686.4 | 0.3633 mg/L | 0.3633 mg/L | 21:38:33 |
| 2 | Sb 206.836† | 40.2 | -12.2 | -0.0042 mg/L | -0.0042 mg/L | 21:38:33 |
| 2 | Se 196.026† | -20.5 | -4.0 | -0.0063 mg/L | -0.0063 mg/L | 21:38:33 |
| 2 | Sn 189.927† | 175.4 | -17.4 | -0.0003 mg/L | -0.0003 mg/L | 21:38:33 |
| 2 | Ti 337.279† | 15150.6 | 14558.0 | 0.0251 mg/L | 0.0251 mg/L | 21:38:13 |
| 2 | Tl 190.801† | -24.6 | -6.1 | -0.0059 mg/L | -0.0059 mg/L | 21:38:33 |
| 2 | V 292.402† | 53214.1 | 50013.3 | 0.2722 mg/L | 0.2722 mg/L | 21:38:13 |
| 2 | Zn 213.857† | 8307.6 | 7113.3 | 0.0885 mg/L | 0.0885 mg/L | 21:38:13 |

Mean Data: BH61418-SD1X50

| Analyte | Mean Corrected Intensity | Calib Conc. Units | Std.Dev. | Sample Conc. Units | Std.Dev. | RSD |
|-------------|--------------------------|-------------------|----------|--------------------|----------|---------|
| Y 360.073 | 2016669.5 | 1.01 mg/L | 0.008 | | | 0.80% |
| Ag 328.068† | 5432.6 | 0.0204 mg/L | 0.00013 | 0.0204 mg/L | 0.00013 | 0.61% |
| Al 237.313† | 3547.3 | 0.5106 mg/L | 0.00698 | 0.5106 mg/L | 0.00698 | 1.37% |
| As 188.979† | 1.3 | 0.0040 mg/L | 0.00463 | 0.0040 mg/L | 0.00463 | 115.89% |
| B 182.528† | -3.2 | 0.0005 mg/L | 0.00248 | 0.0005 mg/L | 0.00248 | 542.89% |
| Ba 233.527† | 3370.1 | 0.0203 mg/L | 0.00029 | 0.0203 mg/L | 0.00029 | 1.43% |

| | | | | | | |
|-------------|----------|--------------|---------|--------------|---------|---------|
| Be 313.107† | 248.3 | 0.0000 mg/L | 0.00000 | 0.0000 mg/L | 0.00000 | 0.52% |
| Ca 315.886† | 97973.2 | 0.8801 mg/L | 0.00836 | 0.8801 mg/L | 0.00836 | 0.95% |
| Cd 228.802† | 92.9 | 0.0019 mg/L | 0.00022 | 0.0019 mg/L | 0.00022 | 11.40% |
| Co 228.616† | 24.0 | -0.0011 mg/L | 0.00029 | -0.0011 mg/L | 0.00029 | 25.47% |
| Cr 267.716† | 2320.3 | 0.0210 mg/L | 0.00027 | 0.0210 mg/L | 0.00027 | 1.31% |
| Cu 324.752† | 175236.9 | 0.8324 mg/L | 0.00143 | 0.8324 mg/L | 0.00143 | 0.17% |
| Fe 238.204† | 138369.7 | 1.325 mg/L | 0.0025 | 1.325 mg/L | 0.0025 | 0.19% |
| Fe 234.349† | 39293.2 | 1.294 mg/L | 0.0127 | 1.294 mg/L | 0.0127 | 0.98% |
| Mg 279.077† | 3109.5 | 0.1852 mg/L | 0.00198 | 0.1852 mg/L | 0.00198 | 1.07% |
| Mn 257.610† | 11446.0 | 0.0115 mg/L | 0.00017 | 0.0115 mg/L | 0.00017 | 1.45% |
| Mo 202.031† | 17.3 | 0.0021 mg/L | 0.00021 | 0.0021 mg/L | 0.00021 | 10.06% |
| Na 330.237† | 233.6 | 0.8653 mg/L | 0.01921 | 0.8653 mg/L | 0.01921 | 2.22% |
| Ni 231.604† | 605.0 | 0.0151 mg/L | 0.00075 | 0.0151 mg/L | 0.00075 | 4.98% |
| Pb 220.353† | 2714.7 | 0.3671 mg/L | 0.00543 | 0.3671 mg/L | 0.00543 | 1.48% |
| Sb 206.836† | -5.6 | -0.0021 mg/L | 0.00299 | -0.0021 mg/L | 0.00299 | 140.30% |
| Se 196.026† | -1.5 | -0.0017 mg/L | 0.00643 | -0.0017 mg/L | 0.00643 | 368.59% |
| Sn 189.927† | -10.1 | 0.0030 mg/L | 0.00473 | 0.0030 mg/L | 0.00473 | 157.36% |
| Ti 337.279† | 14643.9 | 0.0252 mg/L | 0.00022 | 0.0252 mg/L | 0.00022 | 0.87% |
| Tl 190.801† | -2.7 | -0.0024 mg/L | 0.00497 | -0.0024 mg/L | 0.00497 | 207.03% |
| V 292.402† | 50381.3 | 0.2742 mg/L | 0.00283 | 0.2742 mg/L | 0.00283 | 1.03% |
| Zn 213.857† | 7192.1 | 0.0895 mg/L | 0.00142 | 0.0895 mg/L | 0.00142 | 1.59% |

Dilution Check: BH61418-SD1X50

| Analyte | Expected Conc. | Measured Conc. | Std. Dev. | Units | Difference (%) |
|------------|----------------|----------------|-----------|-------|----------------|
| Y 360.073 | | | 0.000 | mg/L | Not calculated |
| Ag 328.068 | 0.0203 | 0.0204 | 0.000 | mg/L | 0.6 |
| Al 237.313 | 0.5211 | 0.5106 | 0.007 | mg/L | 2.0 |
| As 188.979 | 0.0016 | 0.0040 | 0.005 | mg/L | 154.3 |
| B 182.528 | 0.0006 | 0.0005 | 0.002 | mg/L | 29.1 |
| Ba 233.527 | 0.0225 | 0.0203 | 0.000 | mg/L | 9.8 |
| Be 313.107 | 0.0001 | 0.0000 | 0.000 | mg/L | 63.3 |
| Ca 315.886 | 0.9277 | 0.8801 | 0.008 | mg/L | 5.1 |
| Cd 228.802 | 0.0011 | 0.0019 | 0.000 | mg/L | 73.4 |
| Co 228.616 | 0.0001 | -0.0011 | 0.000 | mg/L | 855.4 |
| Cr 267.716 | 0.0213 | 0.0210 | 0.000 | mg/L | 1.8 |
| Cu 324.752 | 0.8477 | 0.8324 | 0.001 | mg/L | 1.8 |
| Fe 238.204 | 1.348 | 1.325 | 0.002 | mg/L | 1.7 |
| Fe 234.349 | 1.353 | 1.294 | 0.013 | mg/L | 4.4 |
| Mg 279.077 | 0.1891 | 0.1852 | 0.002 | mg/L | 2.0 |
| Mn 257.610 | 0.0099 | 0.0115 | 0.000 | mg/L | 16.4 |
| Mo 202.031 | 0.0013 | 0.0021 | 0.000 | mg/L | 57.2 |
| Na 330.237 | 0.2433 | 0.8653 | 0.019 | mg/L | 255.7 |
| Ni 231.604 | 0.0164 | 0.0151 | 0.001 | mg/L | 8.0 |
| Pb 220.353 | 0.3820 | 0.3671 | 0.005 | mg/L | 3.9 |
| Sb 206.836 | 0.0005 | -0.0021 | 0.003 | mg/L | 522.9 |
| Se 196.026 | -0.0002 | -0.0017 | 0.006 | mg/L | -622.8 |
| Sn 189.927 | 0.0421 | 0.0030 | 0.005 | mg/L | 92.9 |
| Ti 337.279 | 0.0271 | 0.0252 | 0.000 | mg/L | 7.1 |
| Tl 190.801 | -0.0013 | -0.0024 | 0.005 | mg/L | -81.0 |
| V 292.402 | 0.2852 | 0.2742 | 0.003 | mg/L | 3.8 |
| Zn 213.857 | 0.0856 | 0.0895 | 0.001 | mg/L | 4.6 |

Sequence No.: 32
 Sample ID: BH61418-PDS1X10
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 24
 Date Collected: 8/14/2006 9:40:11 PM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Replicate Data: BH61418-PDS1X10

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. Units | Sample Conc. Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------------------|--------------------|---------------|
| 1 | Y 360.073 | 2068660.0 | 2068660.0 | 1.04 mg/L | | 21:41:46 |
| 1 | Ag 328.068† | 102785.0 | 98515.8 | 0.3559 mg/L | 0.3559 mg/L | 21:41:51 |
| 1 | Al 237.313† | 37241.8 | 36148.9 | 5.163 mg/L | 5.163 mg/L | 21:41:51 |
| 1 | As 188.979† | 311.0 | 308.9 | 0.4975 mg/L | 0.4975 mg/L | 21:42:12 |
| 1 | B 182.528† | 471.6 | 476.0 | 0.5002 mg/L | 0.5002 mg/L | 21:42:12 |
| 1 | Ba 233.527† | 98352.1 | 94520.4 | 0.6189 mg/L | 0.6189 mg/L | 21:41:51 |

| | | | | | | | |
|---|----|----------|-----------|-----------|-------------|-------------|----------|
| 1 | Be | 313.107† | 244887.5 | 232764.9 | 0.0522 mg/L | 0.0522 mg/L | 21:41:46 |
| 1 | Ca | 315.886† | 1120397.3 | 1079531.4 | 9.815 mg/L | 9.815 mg/L | 21:41:46 |
| 1 | Cd | 228.802† | 19183.1 | 17934.8 | 0.2566 mg/L | 0.2566 mg/L | 21:41:51 |
| 1 | Co | 228.616† | 30047.6 | 29108.1 | 0.5103 mg/L | 0.5103 mg/L | 21:41:51 |
| 1 | Cr | 267.716† | 74000.9 | 69840.0 | 0.6200 mg/L | 0.6200 mg/L | 21:41:51 |
| 1 | Cu | 324.752† | 1057907.8 | 1016917.1 | 4.822 mg/L | 4.822 mg/L | 21:41:46 |
| 1 | Fe | 238.204† | 1006046.3 | 967938.0 | 9.274 mg/L | 9.274 mg/L | 21:41:46 |
| 1 | Fe | 234.349† | 290908.7 | 279568.0 | 9.251 mg/L | 9.251 mg/L | 21:41:51 |
| 1 | Mg | 279.077† | 101520.0 | 98604.0 | 5.993 mg/L | 5.993 mg/L | 21:41:51 |
| 1 | Mn | 257.610† | 510377.4 | 490340.2 | 0.5647 mg/L | 0.5647 mg/L | 21:41:46 |
| 1 | Mo | 202.031† | 5197.4 | 4926.0 | 0.5127 mg/L | 0.5127 mg/L | 21:42:12 |
| 1 | Na | 330.237† | 19538.3 | 17315.5 | 24.69 mg/L | 24.69 mg/L | 21:41:51 |
| 1 | Ni | 231.604† | 30667.6 | 25409.4 | 0.6005 mg/L | 0.6005 mg/L | 21:41:51 |
| 1 | Pb | 220.353† | 18830.8 | 18091.3 | 2.449 mg/L | 2.449 mg/L | 21:41:51 |
| 1 | Sb | 206.836† | 1694.0 | 1580.0 | 0.4929 mg/L | 0.4929 mg/L | 21:42:12 |
| 1 | Se | 196.026† | 536.8 | 533.3 | 0.9874 mg/L | 0.9874 mg/L | 21:42:12 |
| 1 | Sn | 189.927† | 1854.1 | 1596.2 | 0.7486 mg/L | 0.7486 mg/L | 21:42:12 |
| 1 | Ti | 337.279† | 376296.5 | 362136.3 | 0.6565 mg/L | 0.6565 mg/L | 21:41:46 |
| 1 | Tl | 190.801† | 488.7 | 488.8 | 0.4912 mg/L | 0.4912 mg/L | 21:42:12 |
| 1 | V | 292.402† | 374505.9 | 358468.6 | 1.951 mg/L | 1.951 mg/L | 21:41:51 |
| 1 | Zn | 213.857† | 78045.3 | 74127.4 | 0.9434 mg/L | 0.9434 mg/L | 21:41:51 |
| 2 | Y | 360.073 | 2060784.0 | 2060784.0 | 1.03 mg/L | | 21:42:19 |
| 2 | Ag | 328.068† | 101394.1 | 97549.2 | 0.3524 mg/L | 0.3524 mg/L | 21:42:24 |
| 2 | Al | 237.313† | 36620.5 | 35685.2 | 5.097 mg/L | 5.097 mg/L | 21:42:24 |
| 2 | As | 188.979† | 313.3 | 312.2 | 0.5027 mg/L | 0.5027 mg/L | 21:42:44 |
| 2 | B | 182.528† | 465.1 | 471.4 | 0.4954 mg/L | 0.4954 mg/L | 21:42:44 |
| 2 | Ba | 233.527† | 96733.2 | 93317.1 | 0.6110 mg/L | 0.6110 mg/L | 21:42:24 |
| 2 | Be | 313.107† | 240649.6 | 229568.6 | 0.0514 mg/L | 0.0514 mg/L | 21:42:19 |
| 2 | Ca | 315.886† | 1101482.2 | 1065366.6 | 9.686 mg/L | 9.686 mg/L | 21:42:19 |
| 2 | Cd | 228.802† | 18934.2 | 17764.8 | 0.2542 mg/L | 0.2542 mg/L | 21:42:24 |
| 2 | Co | 228.616† | 29498.4 | 28687.6 | 0.5029 mg/L | 0.5029 mg/L | 21:42:24 |
| 2 | Cr | 267.716† | 72737.2 | 68890.4 | 0.6116 mg/L | 0.6116 mg/L | 21:42:24 |
| 2 | Cu | 324.752† | 1043517.8 | 1006897.6 | 4.775 mg/L | 4.775 mg/L | 21:42:19 |
| 2 | Fe | 238.204† | 989048.4 | 955206.0 | 9.152 mg/L | 9.152 mg/L | 21:42:19 |
| 2 | Fe | 234.349† | 286196.8 | 276082.8 | 9.136 mg/L | 9.136 mg/L | 21:42:24 |
| 2 | Mg | 279.077† | 99757.2 | 97273.2 | 5.912 mg/L | 5.912 mg/L | 21:42:24 |
| 2 | Mn | 257.610† | 502046.0 | 484163.2 | 0.5576 mg/L | 0.5576 mg/L | 21:42:19 |
| 2 | Mo | 202.031† | 5157.8 | 4906.9 | 0.5107 mg/L | 0.5107 mg/L | 21:42:44 |
| 2 | Na | 330.237† | 19333.6 | 17189.5 | 24.52 mg/L | 24.52 mg/L | 21:42:24 |
| 2 | Ni | 231.604† | 30274.4 | 25142.1 | 0.5942 mg/L | 0.5942 mg/L | 21:42:24 |
| 2 | Pb | 220.353† | 18521.7 | 17861.7 | 2.418 mg/L | 2.418 mg/L | 21:42:24 |
| 2 | Sb | 206.836† | 1689.9 | 1582.2 | 0.4937 mg/L | 0.4937 mg/L | 21:42:44 |
| 2 | Se | 196.026† | 535.2 | 533.7 | 0.9882 mg/L | 0.9882 mg/L | 21:42:44 |
| 2 | Sn | 189.927† | 1854.1 | 1603.0 | 0.7517 mg/L | 0.7517 mg/L | 21:42:44 |
| 2 | Ti | 337.279† | 365746.2 | 353320.2 | 0.6405 mg/L | 0.6405 mg/L | 21:42:19 |
| 2 | Tl | 190.801† | 495.2 | 496.8 | 0.4995 mg/L | 0.4995 mg/L | 21:42:44 |
| 2 | V | 292.402† | 368374.8 | 353919.0 | 1.926 mg/L | 1.926 mg/L | 21:42:24 |
| 2 | Zn | 213.857† | 76914.5 | 73321.3 | 0.9331 mg/L | 0.9331 mg/L | 21:42:24 |

Mean Data: BH61418-PDS1X10

| Analyte | Mean Corrected Intensity | Calib Conc. Units | Std.Dev. | Sample Conc. Units | Std.Dev. | RSD |
|-------------|--------------------------|-------------------|----------|--------------------|----------|-------|
| Y 360.073 | 2064722.0 | 1.04 mg/L | 0.003 | | | 0.27% |
| Ag 328.068† | 98032.5 | 0.3542 mg/L | 0.00246 | 0.3542 mg/L | 0.00246 | 0.70% |
| Al 237.313† | 35917.0 | 5.130 mg/L | 0.0468 | 5.130 mg/L | 0.0468 | 0.91% |
| As 188.979† | 310.5 | 0.5001 mg/L | 0.00369 | 0.5001 mg/L | 0.00369 | 0.74% |
| B 182.528† | 473.7 | 0.4978 mg/L | 0.00337 | 0.4978 mg/L | 0.00337 | 0.68% |
| Ba 233.527† | 93918.7 | 0.6149 mg/L | 0.00559 | 0.6149 mg/L | 0.00559 | 0.91% |
| Be 313.107† | 231166.7 | 0.0518 mg/L | 0.00051 | 0.0518 mg/L | 0.00051 | 0.98% |
| Ca 315.886† | 1072449.0 | 9.751 mg/L | 0.0912 | 9.751 mg/L | 0.0912 | 0.94% |
| Cd 228.802† | 17849.8 | 0.2554 mg/L | 0.00173 | 0.2554 mg/L | 0.00173 | 0.68% |
| Co 228.616† | 28897.9 | 0.5066 mg/L | 0.00522 | 0.5066 mg/L | 0.00522 | 1.03% |
| Cr 267.716† | 69365.2 | 0.6158 mg/L | 0.00596 | 0.6158 mg/L | 0.00596 | 0.97% |
| Cu 324.752† | 1011907.3 | 4.799 mg/L | 0.0336 | 4.799 mg/L | 0.0336 | 0.70% |
| Fe 238.204† | 961572.0 | 9.213 mg/L | 0.0863 | 9.213 mg/L | 0.0863 | 0.94% |
| Fe 234.349† | 277825.4 | 9.193 mg/L | 0.0816 | 9.193 mg/L | 0.0816 | 0.89% |
| Mg 279.077† | 97938.6 | 5.952 mg/L | 0.0572 | 5.952 mg/L | 0.0572 | 0.96% |
| Mn 257.610† | 487251.7 | 0.5611 mg/L | 0.00505 | 0.5611 mg/L | 0.00505 | 0.90% |
| Mo 202.031† | 4916.4 | 0.5117 mg/L | 0.00142 | 0.5117 mg/L | 0.00142 | 0.28% |
| Na 330.237† | 17252.5 | 24.61 mg/L | 0.124 | 24.61 mg/L | 0.124 | 0.51% |

| | | | | | | |
|-------------|----------|-------------|---------|-------------|---------|-------|
| Ni 231.604† | 25275.7 | 0.5973 mg/L | 0.00446 | 0.5973 mg/L | 0.00446 | 0.75% |
| Pb 220.353† | 17976.5 | 2.433 mg/L | 0.0220 | 2.433 mg/L | 0.0220 | 0.90% |
| Sb 206.836† | 1581.1 | 0.4933 mg/L | 0.00057 | 0.4933 mg/L | 0.00057 | 0.12% |
| Se 196.026† | 533.5 | 0.9878 mg/L | 0.00054 | 0.9878 mg/L | 0.00054 | 0.05% |
| Sn 189.927† | 1599.6 | 0.7501 mg/L | 0.00220 | 0.7501 mg/L | 0.00220 | 0.29% |
| Ti 337.279† | 357728.3 | 0.6485 mg/L | 0.01133 | 0.6485 mg/L | 0.01133 | 1.75% |
| Tl 190.801† | 492.8 | 0.4953 mg/L | 0.00587 | 0.4953 mg/L | 0.00587 | 1.18% |
| V 292.402† | 356193.8 | 1.938 mg/L | 0.0175 | 1.938 mg/L | 0.0175 | 0.90% |
| Zn 213.857† | 73724.3 | 0.9383 mg/L | 0.00728 | 0.9383 mg/L | 0.00728 | 0.78% |

Matrix Recovery Check: BH61418-PDS1X10

| Analyte | Expected Conc. | Measured Conc. | Std. Dev. | Units | Recovery (%) |
|------------|----------------|----------------|-----------|-------|--------------|
| Ag 328.068 | 0.3516 | 0.3542 | 0.002 | mg/L | 101.0 |
| Al 237.313 | 5.106 | 5.130 | 0.047 | mg/L | 101.0 |
| As 188.979 | 0.5079 | 0.5001 | 0.004 | mg/L | 98.4 |
| B 182.528 | 0.5032 | 0.4978 | 0.003 | mg/L | 98.9 |
| Ba 233.527 | 0.6125 | 0.6149 | 0.006 | mg/L | 100.5 |
| Be 313.107 | 0.0503 | 0.0518 | 0.001 | mg/L | 103.0 |
| Ca 315.886 | 9.639 | 9.751 | 0.091 | mg/L | 102.2 |
| Cd 228.802 | 0.2555 | 0.2554 | 0.002 | mg/L | 100.0 |
| Co 228.616 | 0.5007 | 0.5066 | 0.005 | mg/L | 101.2 |
| Cr 267.716 | 0.6067 | 0.6158 | 0.006 | mg/L | 101.8 |
| Cu 324.752 | 4.739 | 4.799 | 0.034 | mg/L | 112.0 |
| Fe 238.204 | 9.241 | 9.213 | 0.086 | mg/L | 98.9 |
| Fe 234.349 | 9.267 | 9.193 | 0.082 | mg/L | 97.1 |
| Mg 279.077 | 5.945 | 5.952 | 0.057 | mg/L | 100.1 |
| Mn 257.610 | 0.5493 | 0.5611 | 0.005 | mg/L | 102.4 |
| Mo 202.031 | 0.5065 | 0.5117 | 0.001 | mg/L | 101.0 |
| Na 330.237 | 26.22 | 24.61 | 0.124 | mg/L | 93.6 |
| Ni 231.604 | 0.5820 | 0.5973 | 0.004 | mg/L | 103.1 |
| Pb 220.353 | 2.410 | 2.433 | 0.022 | mg/L | 104.6 |
| Sb 206.836 | 0.5025 | 0.4933 | 0.001 | mg/L | 98.2 |
| Se 196.026 | 0.9988 | 0.9878 | 0.001 | mg/L | 98.9 |
| Sn 189.927 | 0.7107 | 0.7501 | 0.002 | mg/L | 107.9 |
| Ti 337.279 | 0.6357 | 0.6485 | 0.011 | mg/L | 102.6 |
| Tl 190.801 | 0.4934 | 0.4953 | 0.006 | mg/L | 100.4 |
| V 292.402 | 1.926 | 1.938 | 0.017 | mg/L | 102.5 |
| Zn 213.857 | 0.9280 | 0.9383 | 0.007 | mg/L | 102.1 |

Sequence No.: 33
 Sample ID: 0608248-09
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 25
 Date Collected: 8/14/2006 9:44:22 PM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Replicate Data: 0608248-09

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. Units | Sample Conc. Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------------------|--------------------|---------------|
| 1 | Y 360.073 | 2110813.5 | 2110813.5 | 1.06 mg/L | | 21:46:05 |
| 1 | Ag 328.068† | 415550.5 | 391790.7 | 1.411 mg/L | 1.411 mg/L | 21:46:05 |
| 1 | Al 237.313† | 364150.8 | 344036.0 | 49.26 mg/L | 49.26 mg/L | 21:46:05 |
| 1 | As 188.979† | -10.3 | -0.4 | 0.0172 mg/L | 0.0172 mg/L | 21:46:31 |
| 1 | B 182.528† | -9.5 | 12.7 | 0.0171 mg/L | 0.0171 mg/L | 21:46:31 |
| 1 | Ba 233.527† | 39352.8 | 36932.9 | 0.2413 mg/L | 0.2413 mg/L | 21:46:10 |
| 1 | Be 313.107† | 15033.2 | 11070.6 | 0.0026 mg/L | 0.0026 mg/L | 21:46:05 |
| 1 | Ca 315.886† | 1425940.2 | 1346413.1 | 12.24 mg/L | 12.24 mg/L | 21:46:05 |
| 1 | Cd 228.802† | 813.2 | 224.6 | 0.0019 mg/L | 0.0019 mg/L | 21:46:31 |
| 1 | Co 228.616† | 1848.5 | 1910.0 | 0.0267 mg/L | 0.0267 mg/L | 21:46:31 |
| 1 | Cr 267.716† | 10495.2 | 8466.8 | 0.0783 mg/L | 0.0783 mg/L | 21:46:10 |
| 1 | Cu 324.752† | 315527.2 | 295756.3 | 1.405 mg/L | 1.405 mg/L | 21:46:05 |
| 1 | Fe 238.204† | 7121908.6 | 6721987.0 | 64.38 mg/L | 64.38 mg/L | 21:45:57 |
| 1 | Fe 234.349† | 2153731.5 | 2032485.0 | 67.34 mg/L | 67.34 mg/L | 21:46:05 |
| 1 | Mg 279.077† | 198169.3 | 187888.4 | 11.32 mg/L | 11.32 mg/L | 21:46:05 |
| 1 | Mn 257.610† | 1177542.6 | 1110329.4 | 1.283 mg/L | 1.283 mg/L | 21:46:05 |
| 1 | Mo 202.031† | 102.5 | 16.5 | 0.0065 mg/L | 0.0065 mg/L | 21:46:31 |
| 1 | Na 330.237† | 5360.3 | 3555.6 | 5.768 mg/L | 5.768 mg/L | 21:46:10 |
| 1 | Ni 231.604† | 8809.0 | 4184.8 | 0.0996 mg/L | 0.0996 mg/L | 21:46:10 |

| | | | | | | |
|---|-------------|-----------|-----------|--------------|--------------|----------|
| 1 | Pb 220.353† | 40953.4 | 38612.8 | 5.225 mg/L | 5.225 mg/L | 21:46:10 |
| 1 | Sb 206.836† | 43.4 | -10.8 | -0.0045 mg/L | -0.0045 mg/L | 21:46:31 |
| 1 | Se 196.026† | -22.6 | -5.2 | -0.0085 mg/L | -0.0085 mg/L | 21:46:31 |
| 1 | Sn 189.927† | 211.4 | 9.8 | 0.0183 mg/L | 0.0183 mg/L | 21:46:31 |
| 1 | Ti 337.279† | 1553608.6 | 1466285.7 | 2.663 mg/L | 2.663 mg/L | 21:46:05 |
| 1 | Tl 190.801† | -32.4 | -12.5 | 0.0141 mg/L | 0.0141 mg/L | 21:46:31 |
| 1 | V 292.402† | 15671.4 | 12523.2 | 0.0669 mg/L | 0.0669 mg/L | 21:46:10 |
| 1 | Zn 213.857† | 53836.1 | 49772.5 | 0.6376 mg/L | 0.6376 mg/L | 21:46:10 |
| 2 | Y 360.073 | 2115975.5 | 2115975.5 | 1.06 mg/L | | 21:46:46 |
| 2 | Ag 328.068† | 417040.3 | 392236.6 | 1.413 mg/L | 1.413 mg/L | 21:46:46 |
| 2 | Al 237.313† | 365119.9 | 344110.0 | 49.27 mg/L | 49.27 mg/L | 21:46:46 |
| 2 | As 188.979† | -8.5 | 1.3 | 0.0200 mg/L | 0.0200 mg/L | 21:47:11 |
| 2 | B 182.528† | -10.1 | 12.2 | 0.0165 mg/L | 0.0165 mg/L | 21:47:11 |
| 2 | Ba 233.527† | 39402.3 | 36888.8 | 0.2410 mg/L | 0.2410 mg/L | 21:46:51 |
| 2 | Be 313.107† | 15087.8 | 11087.4 | 0.0026 mg/L | 0.0026 mg/L | 21:46:46 |
| 2 | Ca 315.886† | 1431822.3 | 1348668.5 | 12.26 mg/L | 12.26 mg/L | 21:46:46 |
| 2 | Cd 228.802† | 842.9 | 250.7 | 0.0022 mg/L | 0.0022 mg/L | 21:47:11 |
| 2 | Co 228.616† | 1829.5 | 1887.8 | 0.0263 mg/L | 0.0263 mg/L | 21:47:11 |
| 2 | Cr 267.716† | 10506.4 | 8453.1 | 0.0782 mg/L | 0.0782 mg/L | 21:46:51 |
| 2 | Cu 324.752† | 315391.1 | 294901.5 | 1.401 mg/L | 1.401 mg/L | 21:46:46 |
| 2 | Fe 238.204† | 7177636.2 | 6758064.6 | 64.73 mg/L | 64.73 mg/L | 21:46:38 |
| 2 | Fe 234.349† | 2159827.0 | 2033265.2 | 67.37 mg/L | 67.37 mg/L | 21:46:46 |
| 2 | Mg 279.077† | 199032.9 | 188245.4 | 11.34 mg/L | 11.34 mg/L | 21:46:46 |
| 2 | Mn 257.610† | 1182175.3 | 1111980.2 | 1.284 mg/L | 1.284 mg/L | 21:46:46 |
| 2 | Mo 202.031† | 102.9 | 16.6 | 0.0065 mg/L | 0.0065 mg/L | 21:47:11 |
| 2 | Na 330.237† | 5339.3 | 3523.5 | 5.723 mg/L | 5.723 mg/L | 21:46:51 |
| 2 | Ni 231.604† | 8880.4 | 4231.8 | 0.1007 mg/L | 0.1007 mg/L | 21:46:51 |
| 2 | Pb 220.353† | 40947.8 | 38513.3 | 5.212 mg/L | 5.212 mg/L | 21:46:51 |
| 2 | Sb 206.836† | 33.4 | -20.3 | -0.0075 mg/L | -0.0075 mg/L | 21:47:11 |
| 2 | Se 196.026† | -28.9 | -11.1 | -0.0194 mg/L | -0.0194 mg/L | 21:47:11 |
| 2 | Sn 189.927† | 211.6 | 9.5 | 0.0182 mg/L | 0.0182 mg/L | 21:47:11 |
| 2 | Ti 337.279† | 1561290.6 | 1469942.0 | 2.669 mg/L | 2.669 mg/L | 21:46:46 |
| 2 | Tl 190.801† | -47.3 | -26.5 | -0.0001 mg/L | -0.0001 mg/L | 21:47:11 |
| 2 | V 292.402† | 15697.5 | 12511.7 | 0.0668 mg/L | 0.0668 mg/L | 21:46:51 |
| 2 | Zn 213.857† | 53907.0 | 49715.3 | 0.6368 mg/L | 0.6368 mg/L | 21:46:51 |

Mean Data: 0608248-09

| Analyte | Mean Corrected Intensity | Calib Conc. Units | Std.Dev. | Sample Conc. Units | Std.Dev. | RSD |
|-------------|--------------------------|-------------------|----------|--------------------|----------|---------|
| Y 360.073 | 2113394.5 | 1.06 mg/L | 0.002 | | | 0.17% |
| Ag 328.068† | 392013.6 | 1.412 mg/L | 0.0011 | 1.412 mg/L | 0.0011 | 0.08% |
| Al 237.313† | 344073.0 | 49.26 mg/L | 0.007 | 49.26 mg/L | 0.007 | 0.02% |
| As 188.979† | 0.4 | 0.0186 mg/L | 0.00198 | 0.0186 mg/L | 0.00198 | 10.64% |
| B 182.528† | 12.4 | 0.0168 mg/L | 0.00040 | 0.0168 mg/L | 0.00040 | 2.37% |
| Ba 233.527† | 36910.8 | 0.2412 mg/L | 0.00020 | 0.2412 mg/L | 0.00020 | 0.08% |
| Be 313.107† | 11079.0 | 0.0026 mg/L | 0.00000 | 0.0026 mg/L | 0.00000 | 0.10% |
| Ca 315.886† | 1347540.8 | 12.25 mg/L | 0.015 | 12.25 mg/L | 0.015 | 0.12% |
| Cd 228.802† | 237.6 | 0.0020 mg/L | 0.00026 | 0.0020 mg/L | 0.00026 | 12.67% |
| Co 228.616† | 1898.9 | 0.0265 mg/L | 0.00029 | 0.0265 mg/L | 0.00029 | 1.08% |
| Cr 267.716† | 8460.0 | 0.0783 mg/L | 0.00009 | 0.0783 mg/L | 0.00009 | 0.11% |
| Cu 324.752† | 295328.9 | 1.403 mg/L | 0.0029 | 1.403 mg/L | 0.0029 | 0.20% |
| Fe 238.204† | 6740025.8 | 64.56 mg/L | 0.244 | 64.56 mg/L | 0.244 | 0.38% |
| Fe 234.349† | 2032875.1 | 67.36 mg/L | 0.018 | 67.36 mg/L | 0.018 | 0.03% |
| Mg 279.077† | 188066.9 | 11.33 mg/L | 0.015 | 11.33 mg/L | 0.015 | 0.14% |
| Mn 257.610† | 1111154.8 | 1.284 mg/L | 0.0013 | 1.284 mg/L | 0.0013 | 0.11% |
| Mo 202.031† | 16.5 | 0.0065 mg/L | 0.00001 | 0.0065 mg/L | 0.00001 | 0.16% |
| Na 330.237† | 3539.5 | 5.746 mg/L | 0.0316 | 5.746 mg/L | 0.0316 | 0.55% |
| Ni 231.604† | 4208.3 | 0.1002 mg/L | 0.00078 | 0.1002 mg/L | 0.00078 | 0.78% |
| Pb 220.353† | 38563.1 | 5.218 mg/L | 0.0095 | 5.218 mg/L | 0.0095 | 0.18% |
| Sb 206.836† | -15.6 | -0.0060 mg/L | 0.00214 | -0.0060 mg/L | 0.00214 | 35.73% |
| Se 196.026† | -8.1 | -0.0140 mg/L | 0.00774 | -0.0140 mg/L | 0.00774 | 55.39% |
| Sn 189.927† | 9.7 | 0.0182 mg/L | 0.00008 | 0.0182 mg/L | 0.00008 | 0.46% |
| Ti 337.279† | 1468113.9 | 2.666 mg/L | 0.0047 | 2.666 mg/L | 0.0047 | 0.18% |
| Tl 190.801† | -19.5 | 0.0070 mg/L | 0.01004 | 0.0070 mg/L | 0.01004 | 142.98% |
| V 292.402† | 12517.4 | 0.0668 mg/L | 0.00005 | 0.0668 mg/L | 0.00005 | 0.07% |
| Zn 213.857† | 49743.9 | 0.6372 mg/L | 0.00052 | 0.6372 mg/L | 0.00052 | 0.08% |

Sequence No.: 34
Sample ID: 0608248-10X2

Autosampler Location: 26
Date Collected: 8/14/2006 9:48:49 PM

Analyst:
Initial Sample Wt:
Dilution:

Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0608248-10X2

| Repl# | Analyte | Net | | Corrected | | Calib. | | Sample | | Analysis Time |
|-------|-------------|-----------|--|-----------|--|--------------|--|--------------|--|---------------|
| | | Intensity | | Intensity | | Conc. Units | | Conc. Units | | |
| 1 | Y 360.073 | 2064752.0 | | 2064752.0 | | 1.04 mg/L | | | | 21:50:31 |
| 1 | Ag 328.068† | 29176.3 | | 27666.1 | | 0.1004 mg/L | | 0.1004 mg/L | | 21:50:37 |
| 1 | Al 237.313† | 205117.8 | | 198227.8 | | 28.20 mg/L | | 28.20 mg/L | | 21:50:37 |
| 1 | As 188.979† | -4.3 | | 5.1 | | 0.0186 mg/L | | 0.0186 mg/L | | 21:50:57 |
| 1 | B 182.528† | 49.1 | | 69.1 | | 0.0759 mg/L | | 0.0759 mg/L | | 21:50:57 |
| 1 | Ba 233.527† | 37105.4 | | 35592.7 | | 0.2325 mg/L | | 0.2325 mg/L | | 21:50:37 |
| 1 | Be 313.107† | 9561.6 | | 6106.8 | | 0.0015 mg/L | | 0.0015 mg/L | | 21:50:37 |
| 1 | Ca 315.886† | 6069855.6 | | 5858117.0 | | 53.30 mg/L | | 53.30 mg/L | | 21:50:25 |
| 1 | Cd 228.802† | 1122.6 | | 540.3 | | 0.0067 mg/L | | 0.0067 mg/L | | 21:50:57 |
| 1 | Co 228.616† | 1014.5 | | 1144.0 | | 0.0157 mg/L | | 0.0157 mg/L | | 21:50:57 |
| 1 | Cr 267.716† | 16500.8 | | 14483.5 | | 0.1317 mg/L | | 0.1317 mg/L | | 21:50:37 |
| 1 | Cu 324.752† | 617764.9 | | 594079.8 | | 2.818 mg/L | | 2.818 mg/L | | 21:50:31 |
| 1 | Fe 238.204† | 6875438.1 | | 6634109.7 | | 63.54 mg/L | | 63.54 mg/L | | 21:50:25 |
| 1 | Fe 234.349† | 2055786.2 | | 1983317.7 | | 65.72 mg/L | | 65.72 mg/L | | 21:50:31 |
| 1 | Mg 279.077† | 130384.0 | | 126644.7 | | 7.588 mg/L | | 7.588 mg/L | | 21:50:37 |
| 1 | Mn 257.610† | 805593.8 | | 776173.4 | | 0.8967 mg/L | | 0.8967 mg/L | | 21:50:31 |
| 1 | Mo 202.031† | 100.0 | | 16.1 | | 0.0063 mg/L | | 0.0063 mg/L | | 21:50:57 |
| 1 | Na 330.237† | 4442.9 | | 2783.1 | | 4.603 mg/L | | 4.603 mg/L | | 21:50:37 |
| 1 | Ni 231.604† | 8933.7 | | 4490.7 | | 0.1068 mg/L | | 0.1068 mg/L | | 21:50:57 |
| 1 | Pb 220.353† | 41938.5 | | 40426.0 | | 5.468 mg/L | | 5.468 mg/L | | 21:50:37 |
| 1 | Sb 206.836† | 36.8 | | -16.2 | | -0.0068 mg/L | | -0.0068 mg/L | | 21:50:57 |
| 1 | Se 196.026† | -19.4 | | -2.6 | | -0.0038 mg/L | | -0.0038 mg/L | | 21:50:57 |
| 1 | Sn 189.927† | 738.4 | | 522.9 | | 0.2532 mg/L | | 0.2532 mg/L | | 21:50:57 |
| 1 | Ti 337.279† | 819623.6 | | 790661.2 | | 1.435 mg/L | | 1.435 mg/L | | 21:50:31 |
| 1 | Tl 190.801† | -45.8 | | -26.2 | | -0.0085 mg/L | | -0.0085 mg/L | | 21:50:57 |
| 1 | V 292.402† | 13010.4 | | 10285.2 | | 0.0562 mg/L | | 0.0562 mg/L | | 21:50:37 |
| 1 | Zn 213.857† | 130480.4 | | 124872.9 | | 1.600 mg/L | | 1.600 mg/L | | 21:50:37 |
| 2 | Y 360.073 | 2075413.1 | | 2075413.1 | | 1.04 mg/L | | | | 21:51:12 |
| 2 | Ag 328.068† | 29239.1 | | 27581.7 | | 0.1001 mg/L | | 0.1001 mg/L | | 21:51:17 |
| 2 | Al 237.313† | 205201.7 | | 197291.5 | | 28.06 mg/L | | 28.06 mg/L | | 21:51:17 |
| 2 | As 188.979† | -7.8 | | 1.8 | | 0.0133 mg/L | | 0.0133 mg/L | | 21:51:37 |
| 2 | B 182.528† | 49.7 | | 69.4 | | 0.0762 mg/L | | 0.0762 mg/L | | 21:51:37 |
| 2 | Ba 233.527† | 37112.4 | | 35415.5 | | 0.2313 mg/L | | 0.2313 mg/L | | 21:51:17 |
| 2 | Be 313.107† | 9603.4 | | 6099.5 | | 0.0015 mg/L | | 0.0015 mg/L | | 21:51:17 |
| 2 | Ca 315.886† | 6071070.9 | | 5829193.1 | | 53.03 mg/L | | 53.03 mg/L | | 21:51:05 |
| 2 | Cd 228.802† | 1111.4 | | 524.0 | | 0.0065 mg/L | | 0.0065 mg/L | | 21:51:37 |
| 2 | Co 228.616† | 1000.3 | | 1125.3 | | 0.0154 mg/L | | 0.0154 mg/L | | 21:51:37 |
| 2 | Cr 267.716† | 16447.8 | | 14350.9 | | 0.1305 mg/L | | 0.1305 mg/L | | 21:51:17 |
| 2 | Cu 324.752† | 621771.7 | | 594864.2 | | 2.822 mg/L | | 2.822 mg/L | | 21:51:12 |
| 2 | Fe 238.204† | 6878179.1 | | 6602657.0 | | 63.24 mg/L | | 63.24 mg/L | | 21:51:05 |
| 2 | Fe 234.349† | 2070004.4 | | 1986777.3 | | 65.83 mg/L | | 65.83 mg/L | | 21:51:12 |
| 2 | Mg 279.077† | 130508.2 | | 126117.5 | | 7.556 mg/L | | 7.556 mg/L | | 21:51:17 |
| 2 | Mn 257.610† | 810073.5 | | 776480.6 | | 0.8970 mg/L | | 0.8970 mg/L | | 21:51:12 |
| 2 | Mo 202.031† | 90.3 | | 6.4 | | 0.0053 mg/L | | 0.0053 mg/L | | 21:51:37 |
| 2 | Na 330.237† | 4486.1 | | 2802.5 | | 4.631 mg/L | | 4.631 mg/L | | 21:51:17 |
| 2 | Ni 231.604† | 8918.7 | | 4432.0 | | 0.1054 mg/L | | 0.1054 mg/L | | 21:51:37 |
| 2 | Pb 220.353† | 42002.0 | | 40279.1 | | 5.448 mg/L | | 5.448 mg/L | | 21:51:17 |
| 2 | Sb 206.836† | 46.7 | | -6.9 | | -0.0039 mg/L | | -0.0039 mg/L | | 21:51:37 |
| 2 | Se 196.026† | -22.3 | | -5.2 | | -0.0086 mg/L | | -0.0086 mg/L | | 21:51:37 |
| 2 | Sn 189.927† | 734.3 | | 515.3 | | 0.2497 mg/L | | 0.2497 mg/L | | 21:51:37 |
| 2 | Ti 337.279† | 823817.4 | | 790624.6 | | 1.435 mg/L | | 1.435 mg/L | | 21:51:12 |
| 2 | Tl 190.801† | -47.6 | | -27.7 | | -0.0101 mg/L | | -0.0101 mg/L | | 21:51:37 |
| 2 | V 292.402† | 13127.6 | | 10333.1 | | 0.0564 mg/L | | 0.0564 mg/L | | 21:51:17 |
| 2 | Zn 213.857† | 130621.1 | | 124361.2 | | 1.593 mg/L | | 1.593 mg/L | | 21:51:17 |

Mean Data: 0608248-10X2

| Analyte | Mean Corrected | | Calib | | Std.Dev. | Sample | | Std.Dev. | RSD |
|-------------|----------------|--|-------------|--|----------|-------------|--|----------|--------|
| | Intensity | | Conc. Units | | | Conc. Units | | | |
| Y 360.073 | 2070082.6 | | 1.04 mg/L | | 0.004 | | | | 0.36% |
| Ag 328.068† | 27623.9 | | 0.1003 mg/L | | 0.00021 | 0.1003 mg/L | | 0.00021 | 0.21% |
| Al 237.313† | 197759.7 | | 28.13 mg/L | | 0.096 | 28.13 mg/L | | 0.096 | 0.34% |
| As 188.979† | 3.5 | | 0.0159 mg/L | | 0.00378 | 0.0159 mg/L | | 0.00378 | 23.72% |

| | | | | | | |
|-------------|-----------|--------------|---------|--------------|---------|--------|
| B 182.528† | 69.3 | 0.0760 mg/L | 0.00020 | 0.0760 mg/L | 0.00020 | 0.27% |
| Ba 233.527† | 35504.1 | 0.2319 mg/L | 0.00082 | 0.2319 mg/L | 0.00082 | 0.36% |
| Be 313.107† | 6103.2 | 0.0015 mg/L | 0.00000 | 0.0015 mg/L | 0.00000 | 0.06% |
| Ca 315.886† | 5843655.1 | 53.17 mg/L | 0.186 | 53.17 mg/L | 0.186 | 0.35% |
| Cd 228.802† | 532.2 | 0.0066 mg/L | 0.00016 | 0.0066 mg/L | 0.00016 | 2.38% |
| Co 228.616† | 1134.7 | 0.0155 mg/L | 0.00023 | 0.0155 mg/L | 0.00023 | 1.49% |
| Cr 267.716† | 14417.2 | 0.1311 mg/L | 0.00083 | 0.1311 mg/L | 0.00083 | 0.63% |
| Cu 324.752† | 594472.0 | 2.820 mg/L | 0.0026 | 2.820 mg/L | 0.0026 | 0.09% |
| Fe 238.204† | 6618383.4 | 63.39 mg/L | 0.213 | 63.39 mg/L | 0.213 | 0.34% |
| Fe 234.349† | 1985047.5 | 65.77 mg/L | 0.081 | 65.77 mg/L | 0.081 | 0.12% |
| Mg 279.077† | 126381.1 | 7.572 mg/L | 0.0229 | 7.572 mg/L | 0.0229 | 0.30% |
| Mn 257.610† | 776327.0 | 0.8968 mg/L | 0.00025 | 0.8968 mg/L | 0.00025 | 0.03% |
| Mo 202.031† | 11.3 | 0.0058 mg/L | 0.00071 | 0.0058 mg/L | 0.00071 | 12.21% |
| Na 330.237† | 2792.8 | 4.617 mg/L | 0.0198 | 4.617 mg/L | 0.0198 | 0.43% |
| Ni 231.604† | 4461.3 | 0.1061 mg/L | 0.00098 | 0.1061 mg/L | 0.00098 | 0.92% |
| Pb 220.353† | 40352.5 | 5.458 mg/L | 0.0141 | 5.458 mg/L | 0.0141 | 0.26% |
| Sb 206.836† | -11.6 | -0.0054 mg/L | 0.00209 | -0.0054 mg/L | 0.00209 | 39.10% |
| Se 196.026† | -3.9 | -0.0062 mg/L | 0.00343 | -0.0062 mg/L | 0.00343 | 55.40% |
| Sn 189.927† | 519.1 | 0.2514 mg/L | 0.00249 | 0.2514 mg/L | 0.00249 | 0.99% |
| Ti 337.279† | 790642.9 | 1.435 mg/L | 0.0000 | 1.435 mg/L | 0.0000 | 0.00% |
| Tl 190.801† | -26.9 | -0.0093 mg/L | 0.00107 | -0.0093 mg/L | 0.00107 | 11.56% |
| V 292.402† | 10309.2 | 0.0563 mg/L | 0.00018 | 0.0563 mg/L | 0.00018 | 0.32% |
| Zn 213.857† | 124617.0 | 1.597 mg/L | 0.0046 | 1.597 mg/L | 0.0046 | 0.29% |

Sequence No.: 35
Sample ID: 0608248-11
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 27
Date Collected: 8/14/2006 9:53:15 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 0608248-11

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. Units | Sample Conc. Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------------------|--------------------|---------------|
| 1 | Y 360.073 | 2166819.0 | 2166819.0 | 1.09 mg/L | | 21:54:58 |
| 1 | Ag 328.068† | -200.5 | -675.3 | -0.0016 mg/L | -0.0016 mg/L | 21:55:03 |
| 1 | Al 237.313† | 417746.1 | 384437.4 | 55.11 mg/L | 55.11 mg/L | 21:54:58 |
| 1 | As 188.979† | 1.4 | 10.6 | 0.0379 mg/L | 0.0379 mg/L | 21:55:23 |
| 1 | B 182.528† | -20.6 | 2.7 | 0.0066 mg/L | 0.0066 mg/L | 21:55:23 |
| 1 | Ba 233.527† | 37953.1 | 34685.5 | 0.2265 mg/L | 0.2265 mg/L | 21:55:03 |
| 1 | Be 313.107† | 17873.5 | 13315.8 | 0.0031 mg/L | 0.0031 mg/L | 21:54:58 |
| 1 | Ca 315.886† | 639517.1 | 588422.2 | 5.343 mg/L | 5.343 mg/L | 21:54:58 |
| 1 | Cd 228.802† | 786.3 | 180.0 | 0.0011 mg/L | 0.0011 mg/L | 21:55:23 |
| 1 | Co 228.616† | 1786.4 | 1807.8 | 0.0240 mg/L | 0.0240 mg/L | 21:55:23 |
| 1 | Cr 267.716† | 6932.4 | 4934.3 | 0.0468 mg/L | 0.0468 mg/L | 21:55:03 |
| 1 | Cu 324.752† | 17083.4 | 13607.2 | 0.0675 mg/L | 0.0675 mg/L | 21:55:03 |
| 1 | Fe 238.204† | 7149419.0 | 6573514.3 | 62.96 mg/L | 62.96 mg/L | 21:54:50 |
| 1 | Fe 234.349† | 2149980.2 | 1976485.3 | 65.49 mg/L | 65.49 mg/L | 21:54:58 |
| 1 | Mg 279.077† | 194953.5 | 180096.0 | 10.85 mg/L | 10.85 mg/L | 21:54:58 |
| 1 | Mn 257.610† | 1584986.2 | 1456285.0 | 1.682 mg/L | 1.682 mg/L | 21:54:58 |
| 1 | Mo 202.031† | 106.0 | 17.2 | 0.0064 mg/L | 0.0064 mg/L | 21:55:23 |
| 1 | Na 330.237† | 5356.0 | 3420.8 | 5.603 mg/L | 5.603 mg/L | 21:55:03 |
| 1 | Ni 231.604† | 5295.2 | 738.6 | 0.0182 mg/L | 0.0182 mg/L | 21:55:03 |
| 1 | Pb 220.353† | 561.4 | 468.9 | 0.0680 mg/L | 0.0680 mg/L | 21:55:23 |
| 1 | Sb 206.836† | 22.2 | -31.4 | -0.0106 mg/L | -0.0106 mg/L | 21:55:23 |
| 1 | Se 196.026† | -22.4 | -4.5 | -0.0073 mg/L | -0.0073 mg/L | 21:55:23 |
| 1 | Sn 189.927† | 91.2 | -105.9 | -0.0341 mg/L | -0.0341 mg/L | 21:55:23 |
| 1 | Ti 337.279† | 1900208.4 | 1747113.3 | 3.173 mg/L | 3.173 mg/L | 21:54:58 |
| 1 | Tl 190.801† | -56.1 | -33.6 | -0.0002 mg/L | -0.0002 mg/L | 21:55:23 |
| 1 | V 292.402† | 14211.8 | 10798.5 | 0.0568 mg/L | 0.0568 mg/L | 21:55:03 |
| 1 | Zn 213.857† | 24218.3 | 21222.3 | 0.2727 mg/L | 0.2727 mg/L | 21:55:03 |
| 2 | Y 360.073 | 2179518.9 | 2179518.9 | 1.09 mg/L | | 21:55:38 |
| 2 | Ag 328.068† | -256.3 | -725.3 | -0.0018 mg/L | -0.0018 mg/L | 21:55:43 |
| 2 | Al 237.313† | 419780.7 | 384059.0 | 55.05 mg/L | 55.05 mg/L | 21:55:38 |
| 2 | As 188.979† | 4.9 | 13.7 | 0.0429 mg/L | 0.0429 mg/L | 21:56:03 |
| 2 | B 182.528† | -28.2 | -4.1 | -0.0005 mg/L | -0.0005 mg/L | 21:56:03 |
| 2 | Ba 233.527† | 38542.1 | 35020.6 | 0.2287 mg/L | 0.2287 mg/L | 21:55:43 |
| 2 | Be 313.107† | 17940.5 | 13281.3 | 0.0030 mg/L | 0.0030 mg/L | 21:55:38 |
| 2 | Ca 315.886† | 642460.2 | 587686.1 | 5.336 mg/L | 5.336 mg/L | 21:55:38 |
| 2 | Cd 228.802† | 775.5 | 165.9 | 0.0009 mg/L | 0.0009 mg/L | 21:56:03 |

| | | | | | | | |
|---|----|----------|-----------|-----------|--------------|--------------|----------|
| 2 | Co | 228.616† | 1822.2 | 1830.9 | 0.0244 mg/L | 0.0244 mg/L | 21:56:03 |
| 2 | Cr | 267.716† | 7000.5 | 4959.5 | 0.0470 mg/L | 0.0470 mg/L | 21:55:43 |
| 2 | Cu | 324.752† | 17009.7 | 13448.3 | 0.0668 mg/L | 0.0668 mg/L | 21:55:43 |
| 2 | Fe | 238.204† | 7195609.9 | 6577434.2 | 63.00 mg/L | 63.00 mg/L | 21:55:30 |
| 2 | Fe | 234.349† | 2160982.2 | 1975023.2 | 65.44 mg/L | 65.44 mg/L | 21:55:38 |
| 2 | Mg | 279.077† | 195644.1 | 179682.8 | 10.83 mg/L | 10.83 mg/L | 21:55:38 |
| 2 | Mn | 257.610† | 1593164.4 | 1455268.9 | 1.681 mg/L | 1.681 mg/L | 21:55:38 |
| 2 | Mo | 202.031† | 97.4 | 8.7 | 0.0055 mg/L | 0.0055 mg/L | 21:56:03 |
| 2 | Na | 330.237† | 5453.8 | 3481.6 | 5.688 mg/L | 5.688 mg/L | 21:55:43 |
| 2 | Ni | 231.604† | 5257.8 | 676.0 | 0.0167 mg/L | 0.0167 mg/L | 21:55:43 |
| 2 | Pb | 220.353† | 570.1 | 473.9 | 0.0687 mg/L | 0.0687 mg/L | 21:56:03 |
| 2 | Sb | 206.836† | 32.2 | -22.3 | -0.0077 mg/L | -0.0077 mg/L | 21:56:03 |
| 2 | Se | 196.026† | -20.4 | -2.5 | -0.0036 mg/L | -0.0036 mg/L | 21:56:03 |
| 2 | Sn | 189.927† | 94.2 | -103.6 | -0.0330 mg/L | -0.0330 mg/L | 21:56:03 |
| 2 | Ti | 337.279† | 1910703.6 | 1746526.2 | 3.172 mg/L | 3.172 mg/L | 21:55:38 |
| 2 | Tl | 190.801† | -48.7 | -26.5 | 0.0070 mg/L | 0.0070 mg/L | 21:56:03 |
| 2 | V | 292.402† | 14387.6 | 10883.1 | 0.0573 mg/L | 0.0573 mg/L | 21:55:43 |
| 2 | Zn | 213.857† | 24595.0 | 21436.9 | 0.2755 mg/L | 0.2755 mg/L | 21:55:43 |

Mean Data: 0608248-11

| Analyte | Mean Corrected Intensity | Calib Conc. Units | Std.Dev. | Sample Conc. Units | Std.Dev. | RSD |
|-------------|--------------------------|-------------------|----------|--------------------|----------|---------|
| Y 360.073 | 2173168.9 | 1.09 mg/L | 0.005 | | | 0.41% |
| Ag 328.068† | -700.3 | -0.0017 mg/L | 0.00013 | -0.0017 mg/L | 0.00013 | 7.49% |
| Al 237.313† | 384248.2 | 55.08 mg/L | 0.038 | 55.08 mg/L | 0.038 | 0.07% |
| As 188.979† | 12.1 | 0.0404 mg/L | 0.00355 | 0.0404 mg/L | 0.00355 | 8.78% |
| B 182.528† | -0.7 | 0.0031 mg/L | 0.00504 | 0.0031 mg/L | 0.00504 | 164.29% |
| Ba 233.527† | 34853.0 | 0.2276 mg/L | 0.00156 | 0.2276 mg/L | 0.00156 | 0.68% |
| Be 313.107† | 13298.5 | 0.0031 mg/L | 0.00001 | 0.0031 mg/L | 0.00001 | 0.18% |
| Ca 315.886† | 588054.2 | 5.339 mg/L | 0.0047 | 5.339 mg/L | 0.0047 | 0.09% |
| Cd 228.802† | 172.9 | 0.0010 mg/L | 0.00015 | 0.0010 mg/L | 0.00015 | 15.13% |
| Co 228.616† | 1819.3 | 0.0242 mg/L | 0.00029 | 0.0242 mg/L | 0.00029 | 1.20% |
| Cr 267.716† | 4946.9 | 0.0469 mg/L | 0.00016 | 0.0469 mg/L | 0.00016 | 0.33% |
| Cu 324.752† | 13527.7 | 0.0671 mg/L | 0.00053 | 0.0671 mg/L | 0.00053 | 0.79% |
| Fe 238.204† | 6575474.2 | 62.98 mg/L | 0.027 | 62.98 mg/L | 0.027 | 0.04% |
| Fe 234.349† | 1975754.2 | 65.47 mg/L | 0.034 | 65.47 mg/L | 0.034 | 0.05% |
| Mg 279.077† | 179889.4 | 10.84 mg/L | 0.018 | 10.84 mg/L | 0.018 | 0.16% |
| Mn 257.610† | 1455777.0 | 1.681 mg/L | 0.0008 | 1.681 mg/L | 0.0008 | 0.05% |
| Mo 202.031† | 12.9 | 0.0060 mg/L | 0.00062 | 0.0060 mg/L | 0.00062 | 10.48% |
| Na 330.237† | 3451.2 | 5.646 mg/L | 0.0597 | 5.646 mg/L | 0.0597 | 1.06% |
| Ni 231.604† | 707.3 | 0.0175 mg/L | 0.00105 | 0.0175 mg/L | 0.00105 | 5.98% |
| Pb 220.353† | 471.4 | 0.0683 mg/L | 0.00046 | 0.0683 mg/L | 0.00046 | 0.68% |
| Sb 206.836† | -26.8 | -0.0092 mg/L | 0.00203 | -0.0092 mg/L | 0.00203 | 22.12% |
| Se 196.026† | -3.5 | -0.0054 mg/L | 0.00262 | -0.0054 mg/L | 0.00262 | 48.42% |
| Sn 189.927† | -104.7 | -0.0336 mg/L | 0.00074 | -0.0336 mg/L | 0.00074 | 2.21% |
| Ti 337.279† | 1746819.7 | 3.172 mg/L | 0.0008 | 3.172 mg/L | 0.0008 | 0.02% |
| Tl 190.801† | -30.0 | 0.0034 mg/L | 0.00507 | 0.0034 mg/L | 0.00507 | 148.55% |
| V 292.402† | 10840.8 | 0.0570 mg/L | 0.00033 | 0.0570 mg/L | 0.00033 | 0.57% |
| Zn 213.857† | 21329.6 | 0.2741 mg/L | 0.00195 | 0.2741 mg/L | 0.00195 | 0.71% |

Sequence No.: 36
Sample ID: BH61418-DUP2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 28
Date Collected: 8/14/2006 9:57:41 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: BH61418-DUP2

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib Conc. Units | Sample Conc. Units | Analysis Time |
|-------|-------------|---------------|---------------------|-------------------|--------------------|---------------|
| 1 | Y 360.073 | 2201272.8 | 2201272.8 | 1.10 mg/L | | 21:59:24 |
| 1 | Ag 328.068† | -476.4 | -922.1 | -0.0025 mg/L | -0.0025 mg/L | 21:59:29 |
| 1 | Al 237.313† | 418331.3 | 378954.3 | 54.30 mg/L | 54.30 mg/L | 21:59:24 |
| 1 | As 188.979† | -15.9 | -5.2 | 0.0135 mg/L | 0.0135 mg/L | 21:59:49 |
| 1 | B 182.528† | -15.7 | 7.5 | 0.0116 mg/L | 0.0116 mg/L | 21:59:49 |
| 1 | Ba 233.527† | 38984.1 | 35072.5 | 0.2291 mg/L | 0.2291 mg/L | 21:59:29 |
| 1 | Be 313.107† | 18247.3 | 13396.9 | 0.0031 mg/L | 0.0031 mg/L | 21:59:24 |
| 1 | Ca 315.886† | 939669.4 | 850918.7 | 7.732 mg/L | 7.732 mg/L | 21:59:24 |
| 1 | Cd 228.802† | 753.8 | 139.3 | 0.0005 mg/L | 0.0005 mg/L | 21:59:49 |

| | | | | | | |
|---|-------------|-----------|-----------|--------------|--------------|----------|
| 1 | Co 228.616† | 1693.5 | 1697.9 | 0.0218 mg/L | 0.0218 mg/L | 21:59:49 |
| 1 | Cr 267.716† | 6793.0 | 4708.4 | 0.0450 mg/L | 0.0450 mg/L | 21:59:29 |
| 1 | Cu 324.752† | 18969.5 | 15068.7 | 0.0745 mg/L | 0.0745 mg/L | 21:59:29 |
| 1 | Fe 238.204† | 7437775.2 | 6731632.7 | 64.48 mg/L | 64.48 mg/L | 21:59:17 |
| 1 | Fe 234.349† | 2266809.5 | 2051294.8 | 67.97 mg/L | 67.97 mg/L | 21:59:24 |
| 1 | Mg 279.077† | 204626.3 | 186045.9 | 11.21 mg/L | 11.21 mg/L | 21:59:24 |
| 1 | Mn 257.610† | 1459211.3 | 1319618.7 | 1.524 mg/L | 1.524 mg/L | 21:59:24 |
| 1 | Mo 202.031† | 89.8 | 1.0 | 0.0049 mg/L | 0.0049 mg/L | 21:59:49 |
| 1 | Na 330.237† | 5292.6 | 3286.4 | 5.427 mg/L | 5.427 mg/L | 21:59:29 |
| 1 | Ni 231.604† | 5359.3 | 720.4 | 0.0178 mg/L | 0.0178 mg/L | 21:59:29 |
| 1 | Pb 220.353† | 518.8 | 422.3 | 0.0616 mg/L | 0.0616 mg/L | 21:59:49 |
| 1 | Sb 206.836† | 23.8 | -30.2 | -0.0102 mg/L | -0.0102 mg/L | 21:59:49 |
| 1 | Se 196.026† | -25.7 | -7.1 | -0.0120 mg/L | -0.0120 mg/L | 21:59:49 |
| 1 | Sn 189.927† | 114.3 | -86.2 | -0.0247 mg/L | -0.0247 mg/L | 21:59:49 |
| 1 | Ti 337.279† | 2003238.7 | 1813026.8 | 3.292 mg/L | 3.292 mg/L | 21:59:24 |
| 1 | Tl 190.801† | -45.3 | -23.0 | 0.0087 mg/L | 0.0087 mg/L | 21:59:49 |
| 1 | V 292.402† | 14600.7 | 10946.0 | 0.0575 mg/L | 0.0575 mg/L | 21:59:29 |
| 1 | Zn 213.857† | 24550.1 | 21174.0 | 0.2722 mg/L | 0.2722 mg/L | 21:59:29 |
| 2 | Y 360.073 | 2212215.4 | 2212215.4 | 1.11 mg/L | | 22:00:04 |
| 2 | Ag 328.068† | -496.7 | -938.3 | -0.0026 mg/L | -0.0026 mg/L | 22:00:09 |
| 2 | Al 237.313† | 420676.0 | 379193.1 | 54.33 mg/L | 54.33 mg/L | 22:00:04 |
| 2 | As 188.979† | -18.1 | -7.0 | 0.0105 mg/L | 0.0105 mg/L | 22:00:29 |
| 2 | B 182.528† | -29.2 | -4.6 | -0.0010 mg/L | -0.0010 mg/L | 22:00:29 |
| 2 | Ba 233.527† | 39106.1 | 35007.8 | 0.2286 mg/L | 0.2286 mg/L | 22:00:09 |
| 2 | Be 313.107† | 18329.4 | 13389.1 | 0.0031 mg/L | 0.0031 mg/L | 22:00:04 |
| 2 | Ca 315.886† | 943555.6 | 850211.6 | 7.725 mg/L | 7.725 mg/L | 22:00:04 |
| 2 | Cd 228.802† | 737.8 | 121.4 | 0.0003 mg/L | 0.0003 mg/L | 22:00:29 |
| 2 | Co 228.616† | 1690.2 | 1687.4 | 0.0216 mg/L | 0.0216 mg/L | 22:00:29 |
| 2 | Cr 267.716† | 6772.2 | 4659.2 | 0.0445 mg/L | 0.0445 mg/L | 22:00:09 |
| 2 | Cu 324.752† | 18968.6 | 14982.9 | 0.0741 mg/L | 0.0741 mg/L | 22:00:09 |
| 2 | Fe 238.204† | 7609518.7 | 6853024.8 | 65.64 mg/L | 65.64 mg/L | 21:59:56 |
| 2 | Fe 234.349† | 2276546.2 | 2049915.2 | 67.92 mg/L | 67.92 mg/L | 22:00:04 |
| 2 | Mg 279.077† | 205494.2 | 185911.3 | 11.20 mg/L | 11.20 mg/L | 22:00:04 |
| 2 | Mn 257.610† | 1465910.7 | 1319119.4 | 1.524 mg/L | 1.524 mg/L | 22:00:04 |
| 2 | Mo 202.031† | 96.7 | 6.8 | 0.0055 mg/L | 0.0055 mg/L | 22:00:29 |
| 2 | Na 330.237† | 5283.1 | 3254.1 | 5.382 mg/L | 5.382 mg/L | 22:00:09 |
| 2 | Ni 231.604† | 5367.7 | 704.0 | 0.0174 mg/L | 0.0174 mg/L | 22:00:09 |
| 2 | Pb 220.353† | 495.5 | 399.0 | 0.0585 mg/L | 0.0585 mg/L | 22:00:29 |
| 2 | Sb 206.836† | 21.5 | -32.4 | -0.0109 mg/L | -0.0109 mg/L | 22:00:29 |
| 2 | Se 196.026† | -23.8 | -5.3 | -0.0087 mg/L | -0.0087 mg/L | 22:00:29 |
| 2 | Sn 189.927† | 105.5 | -94.7 | -0.0287 mg/L | -0.0287 mg/L | 22:00:29 |
| 2 | Ti 337.279† | 2015126.4 | 1814764.9 | 3.296 mg/L | 3.296 mg/L | 22:00:04 |
| 2 | Tl 190.801† | -47.2 | -24.5 | 0.0072 mg/L | 0.0072 mg/L | 22:00:29 |
| 2 | V 292.402† | 14612.1 | 10890.9 | 0.0572 mg/L | 0.0572 mg/L | 22:00:09 |
| 2 | Zn 213.857† | 24609.5 | 21117.6 | 0.2715 mg/L | 0.2715 mg/L | 22:00:09 |

Mean Data: BH61418-DUP2

| Analyte | Mean Corrected Intensity | Conc. Units | Calib | Std.Dev. | Sample Conc. Units | Std.Dev. | RSD |
|-------------|--------------------------|--------------|-------|----------|--------------------|----------|---------|
| Y 360.073 | 2206744.1 | 1.11 mg/L | | 0.004 | | | 0.35% |
| Ag 328.068† | -930.2 | -0.0025 mg/L | | 0.00004 | -0.0025 mg/L | 0.00004 | 1.63% |
| Al 237.313† | 379073.7 | 54.32 mg/L | | 0.025 | 54.32 mg/L | 0.025 | 0.05% |
| As 188.979† | -6.1 | 0.0120 mg/L | | 0.00212 | 0.0120 mg/L | 0.00212 | 17.63% |
| B 182.528† | 1.5 | 0.0053 mg/L | | 0.00890 | 0.0053 mg/L | 0.00890 | 167.87% |
| Ba 233.527† | 35040.1 | 0.2289 mg/L | | 0.00030 | 0.2289 mg/L | 0.00030 | 0.13% |
| Be 313.107† | 13393.0 | 0.0031 mg/L | | 0.00000 | 0.0031 mg/L | 0.00000 | 0.05% |
| Ca 315.886† | 850565.2 | 7.728 mg/L | | 0.0045 | 7.728 mg/L | 0.0045 | 0.06% |
| Cd 228.802† | 130.4 | 0.0004 mg/L | | 0.00018 | 0.0004 mg/L | 0.00018 | 42.68% |
| Co 228.616† | 1692.6 | 0.0217 mg/L | | 0.00014 | 0.0217 mg/L | 0.00014 | 0.63% |
| Cr 267.716† | 4683.8 | 0.0447 mg/L | | 0.00031 | 0.0447 mg/L | 0.00031 | 0.69% |
| Cu 324.752† | 15025.8 | 0.0743 mg/L | | 0.00029 | 0.0743 mg/L | 0.00029 | 0.39% |
| Fe 238.204† | 6792328.8 | 65.06 mg/L | | 0.822 | 65.06 mg/L | 0.822 | 1.26% |
| Fe 234.349† | 2050605.0 | 67.95 mg/L | | 0.032 | 67.95 mg/L | 0.032 | 0.05% |
| Mg 279.077† | 185978.6 | 11.20 mg/L | | 0.006 | 11.20 mg/L | 0.006 | 0.05% |
| Mn 257.610† | 1319369.1 | 1.524 mg/L | | 0.0004 | 1.524 mg/L | 0.0004 | 0.03% |
| Mo 202.031† | 3.9 | 0.0052 mg/L | | 0.00042 | 0.0052 mg/L | 0.00042 | 8.16% |
| Na 330.237† | 3270.2 | 5.405 mg/L | | 0.0319 | 5.405 mg/L | 0.0319 | 0.59% |
| Ni 231.604† | 712.2 | 0.0176 mg/L | | 0.00027 | 0.0176 mg/L | 0.00027 | 1.56% |
| Pb 220.353† | 410.7 | 0.0601 mg/L | | 0.00223 | 0.0601 mg/L | 0.00223 | 3.71% |
| Sb 206.836† | -31.3 | -0.0105 mg/L | | 0.00049 | -0.0105 mg/L | 0.00049 | 4.63% |

| | | | | | | |
|-------------|-----------|--------------|---------|--------------|---------|--------|
| Se 196.026† | -6.2 | -0.0104 mg/L | 0.00237 | -0.0104 mg/L | 0.00237 | 22.91% |
| Sn 189.927† | -90.5 | -0.0267 mg/L | 0.00278 | -0.0267 mg/L | 0.00278 | 10.40% |
| Ti 337.279† | 1813895.9 | 3.294 mg/L | 0.0022 | 3.294 mg/L | 0.0022 | 0.07% |
| Tl 190.801† | -23.8 | 0.0080 mg/L | 0.00110 | 0.0080 mg/L | 0.00110 | 13.77% |
| V 292.402† | 10918.4 | 0.0573 mg/L | 0.00022 | 0.0573 mg/L | 0.00022 | 0.38% |
| Zn 213.857† | 21145.8 | 0.2718 mg/L | 0.00051 | 0.2718 mg/L | 0.00051 | 0.19% |

Duplicate Check: BH61418-DUP2

| Analyte | Expected Conc. | Measured Conc. | Std. Dev. | Units | Difference (%) |
|------------|----------------|----------------|-----------|-------|----------------|
| Y 360.073 | | | 0.000 | mg/L | Not calculated |
| Ag 328.068 | -0.0017 | -0.0025 | 0.000 | mg/L | -39.2 |
| Al 237.313 | 55.08 | 54.32 | 0.025 | mg/L | 1.4 |
| As 188.979 | 0.0404 | 0.0120 | 0.002 | mg/L | 108.3 |
| B 182.528 | 0.0031 | 0.0053 | 0.009 | mg/L | 53.4 |
| Ba 233.527 | 0.2276 | 0.2289 | 0.000 | mg/L | 0.5 |
| Be 313.107 | 0.0031 | 0.0031 | 0.000 | mg/L | 0.8 |
| Ca 315.886 | 5.339 | 7.728 | 0.005 | mg/L | 36.6 |
| Cd 228.802 | 0.0010 | 0.0004 | 0.000 | mg/L | 84.7 |
| Co 228.616 | 0.0242 | 0.0217 | 0.000 | mg/L | 10.8 |
| Cr 267.716 | 0.0469 | 0.0447 | 0.000 | mg/L | 4.7 |
| Cu 324.752 | 0.0671 | 0.0743 | 0.000 | mg/L | 10.1 |
| Fe 238.204 | 62.98 | 65.06 | 0.822 | mg/L | 3.2 |
| Fe 234.349 | 65.47 | 67.95 | 0.032 | mg/L | 3.7 |
| Mg 279.077 | 10.84 | 11.20 | 0.006 | mg/L | 3.3 |
| Mn 257.610 | 1.681 | 1.524 | 0.000 | mg/L | 9.8 |
| Mo 202.031 | 0.0060 | 0.0052 | 0.000 | mg/L | 13.7 |
| Na 330.237 | 5.646 | 5.405 | 0.032 | mg/L | 4.4 |
| Ni 231.604 | 0.0175 | 0.0176 | 0.000 | mg/L | 0.7 |
| Pb 220.353 | 0.0683 | 0.0601 | 0.002 | mg/L | 12.9 |
| Sb 206.836 | -0.0092 | -0.0105 | 0.000 | mg/L | -14.0 |
| Se 196.026 | -0.0054 | -0.0104 | 0.002 | mg/L | -62.9 |
| Sn 189.927 | -0.0336 | -0.0267 | 0.003 | mg/L | -22.8 |
| Ti 337.279 | 3.172 | 3.294 | 0.002 | mg/L | 3.8 |
| Tl 190.801 | 0.0034 | 0.0080 | 0.001 | mg/L | 80.2 |
| V 292.402 | 0.0570 | 0.0573 | 0.000 | mg/L | 0.5 |
| Zn 213.857 | 0.2741 | 0.2718 | 0.001 | mg/L | 0.8 |

Sequence No.: 37

Sample ID: CCV

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 3

Date Collected: 8/14/2006 10:02:08 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CCV

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. Units | Sample Conc. Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------------------|--------------------|---------------|
| 1 | Y 360.073 | 2069163.2 | 2069163.2 | 1.04 mg/L | | 22:03:42 |
| 1 | Ag 328.068† | 70883.3 | 67770.2 | 0.2448 mg/L | 0.2448 mg/L | 22:03:48 |
| 1 | Al 237.313† | 17323.0 | 16958.2 | 2.437 mg/L | 2.437 mg/L | 22:03:48 |
| 1 | As 188.979† | 304.5 | 302.5 | 0.4866 mg/L | 0.4866 mg/L | 22:04:08 |
| 1 | B 182.528† | 465.7 | 470.2 | 0.4942 mg/L | 0.4942 mg/L | 22:04:08 |
| 1 | Ba 233.527† | 78806.0 | 75674.3 | 0.4959 mg/L | 0.4959 mg/L | 22:03:48 |
| 1 | Be 313.107† | 236096.7 | 224241.9 | 0.0502 mg/L | 0.0502 mg/L | 22:03:42 |
| 1 | Ca 315.886† | 574688.5 | 553747.9 | 5.028 mg/L | 5.028 mg/L | 22:03:42 |
| 1 | Cd 228.802† | 18244.8 | 17026.8 | 0.2440 mg/L | 0.2440 mg/L | 22:03:48 |
| 1 | Co 228.616† | 29107.3 | 28195.5 | 0.4946 mg/L | 0.4946 mg/L | 22:03:48 |
| 1 | Cr 267.716† | 59106.4 | 55479.1 | 0.4921 mg/L | 0.4921 mg/L | 22:03:48 |
| 1 | Cu 324.752† | 110849.6 | 104646.1 | 0.4980 mg/L | 0.4980 mg/L | 22:03:48 |
| 1 | Fe 238.204† | 269368.6 | 258277.0 | 2.474 mg/L | 2.474 mg/L | 22:03:48 |
| 1 | Fe 234.349† | 78785.8 | 75224.1 | 2.480 mg/L | 2.480 mg/L | 22:03:48 |
| 1 | Mg 279.077† | 83587.4 | 81311.0 | 4.953 mg/L | 4.953 mg/L | 22:03:48 |
| 1 | Mn 257.610† | 456294.2 | 438138.2 | 0.5042 mg/L | 0.5042 mg/L | 22:03:42 |
| 1 | Mo 202.031† | 5063.2 | 4795.5 | 0.4977 mg/L | 0.4977 mg/L | 22:04:08 |
| 1 | Na 330.237† | 18590.8 | 16398.5 | 23.41 mg/L | 23.41 mg/L | 22:03:48 |
| 1 | Ni 231.604† | 26103.7 | 21007.2 | 0.4965 mg/L | 0.4965 mg/L | 22:03:48 |
| 1 | Pb 220.353† | 3877.8 | 3687.0 | 0.5008 mg/L | 0.5008 mg/L | 22:04:08 |
| 1 | Sb 206.836† | 1676.6 | 1562.8 | 0.4890 mg/L | 0.4890 mg/L | 22:04:08 |

| | | | | | | |
|---|-------------|-----------|-----------|-------------|-------------|----------|
| 1 | Se 196.026† | 545.3 | 541.3 | 1.002 mg/L | 1.002 mg/L | 22:04:08 |
| 1 | Sn 189.927† | 1218.9 | 984.1 | 0.4646 mg/L | 0.4646 mg/L | 22:04:08 |
| 1 | Ti 337.279† | 287856.9 | 276880.2 | 0.5016 mg/L | 0.5016 mg/L | 22:03:42 |
| 1 | Tl 190.801† | 487.5 | 487.5 | 0.4991 mg/L | 0.4991 mg/L | 22:04:08 |
| 1 | V 292.402† | 96450.9 | 90612.2 | 0.4958 mg/L | 0.4958 mg/L | 22:03:48 |
| 1 | Zn 213.857† | 41502.4 | 38918.1 | 0.4942 mg/L | 0.4942 mg/L | 22:03:48 |
| 2 | Y 360.073 | 2077706.7 | 2077706.7 | 1.04 mg/L | | 22:04:15 |
| 2 | Ag 328.068† | 71676.6 | 68250.3 | 0.2466 mg/L | 0.2466 mg/L | 22:04:20 |
| 2 | Al 237.313† | 17880.6 | 17424.3 | 2.505 mg/L | 2.505 mg/L | 22:04:20 |
| 2 | As 188.979† | 316.8 | 313.1 | 0.5034 mg/L | 0.5034 mg/L | 22:04:40 |
| 2 | B 182.528† | 464.4 | 467.1 | 0.4909 mg/L | 0.4909 mg/L | 22:04:40 |
| 2 | Ba 233.527† | 79362.4 | 75895.8 | 0.4974 mg/L | 0.4974 mg/L | 22:04:20 |
| 2 | Be 313.107† | 236404.7 | 223602.3 | 0.0501 mg/L | 0.0501 mg/L | 22:04:15 |
| 2 | Ca 315.886† | 574874.0 | 551650.0 | 5.009 mg/L | 5.009 mg/L | 22:04:15 |
| 2 | Cd 228.802† | 18355.3 | 17060.5 | 0.2444 mg/L | 0.2444 mg/L | 22:04:20 |
| 2 | Co 228.616† | 29348.1 | 28311.2 | 0.4967 mg/L | 0.4967 mg/L | 22:04:20 |
| 2 | Cr 267.716† | 59668.0 | 55783.6 | 0.4948 mg/L | 0.4948 mg/L | 22:04:20 |
| 2 | Cu 324.752† | 112483.4 | 105774.1 | 0.5033 mg/L | 0.5033 mg/L | 22:04:20 |
| 2 | Fe 238.204† | 271508.3 | 259262.4 | 2.484 mg/L | 2.484 mg/L | 22:04:20 |
| 2 | Fe 234.349† | 79662.7 | 75753.0 | 2.498 mg/L | 2.498 mg/L | 22:04:20 |
| 2 | Mg 279.077† | 84261.4 | 81626.4 | 4.973 mg/L | 4.973 mg/L | 22:04:20 |
| 2 | Mn 257.610† | 456730.8 | 436750.0 | 0.5026 mg/L | 0.5026 mg/L | 22:04:15 |
| 2 | Mo 202.031† | 5067.4 | 4779.5 | 0.4960 mg/L | 0.4960 mg/L | 22:04:40 |
| 2 | Na 330.237† | 18742.3 | 16470.2 | 23.51 mg/L | 23.51 mg/L | 22:04:20 |
| 2 | Ni 231.604† | 26153.7 | 20951.7 | 0.4952 mg/L | 0.4952 mg/L | 22:04:20 |
| 2 | Pb 220.353† | 3875.5 | 3669.5 | 0.4984 mg/L | 0.4984 mg/L | 22:04:40 |
| 2 | Sb 206.836† | 1689.4 | 1568.4 | 0.4908 mg/L | 0.4908 mg/L | 22:04:40 |
| 2 | Se 196.026† | 546.0 | 539.8 | 0.9995 mg/L | 0.9995 mg/L | 22:04:40 |
| 2 | Sn 189.927† | 1212.0 | 972.6 | 0.4593 mg/L | 0.4593 mg/L | 22:04:40 |
| 2 | Ti 337.279† | 288673.6 | 276523.6 | 0.5010 mg/L | 0.5010 mg/L | 22:04:15 |
| 2 | Tl 190.801† | 487.8 | 485.8 | 0.4973 mg/L | 0.4973 mg/L | 22:04:40 |
| 2 | V 292.402† | 97375.6 | 91117.0 | 0.4985 mg/L | 0.4985 mg/L | 22:04:20 |
| 2 | Zn 213.857† | 41809.4 | 39048.2 | 0.4958 mg/L | 0.4958 mg/L | 22:04:20 |

Mean Data: CCV

| Analyte | Mean Corrected Intensity | Calib Conc. Units | Std.Dev. | Sample Conc. Units | Std.Dev. | RSD |
|---------------------------------------|--------------------------|--------------------|----------|--------------------|----------|-------|
| Y 360.073 | 2073435.0 | 1.04 mg/L | 0.003 | | | 0.29% |
| Ag 328.068† | 68010.2 | 0.2457 mg/L | 0.00122 | 0.2457 mg/L | 0.00122 | 0.50% |
| QC value within limits for Ag 328.068 | | Recovery = 98.28% | | | | |
| Al 237.313† | 17191.3 | 2.471 mg/L | 0.0476 | 2.471 mg/L | 0.0476 | 1.92% |
| QC value within limits for Al 237.313 | | Recovery = 98.84% | | | | |
| As 188.979† | 307.8 | 0.4950 mg/L | 0.01190 | 0.4950 mg/L | 0.01190 | 2.40% |
| QC value within limits for As 188.979 | | Recovery = 99.00% | | | | |
| B 182.528† | 468.6 | 0.4925 mg/L | 0.00233 | 0.4925 mg/L | 0.00233 | 0.47% |
| QC value within limits for B 182.528 | | Recovery = 98.50% | | | | |
| Ba 233.527† | 75785.0 | 0.4967 mg/L | 0.00103 | 0.4967 mg/L | 0.00103 | 0.21% |
| QC value within limits for Ba 233.527 | | Recovery = 99.33% | | | | |
| Be 313.107† | 223922.1 | 0.0502 mg/L | 0.00010 | 0.0502 mg/L | 0.00010 | 0.20% |
| QC value within limits for Be 313.107 | | Recovery = 100.34% | | | | |
| Ca 315.886† | 552698.9 | 5.018 mg/L | 0.0135 | 5.018 mg/L | 0.0135 | 0.27% |
| QC value within limits for Ca 315.886 | | Recovery = 100.36% | | | | |
| Cd 228.802† | 17043.7 | 0.2442 mg/L | 0.00031 | 0.2442 mg/L | 0.00031 | 0.13% |
| QC value within limits for Cd 228.802 | | Recovery = 97.69% | | | | |
| Co 228.616† | 28253.3 | 0.4956 mg/L | 0.00144 | 0.4956 mg/L | 0.00144 | 0.29% |
| QC value within limits for Co 228.616 | | Recovery = 99.13% | | | | |
| Cr 267.716† | 55631.4 | 0.4934 mg/L | 0.00191 | 0.4934 mg/L | 0.00191 | 0.39% |
| QC value within limits for Cr 267.716 | | Recovery = 98.68% | | | | |
| Cu 324.752† | 105210.1 | 0.5007 mg/L | 0.00378 | 0.5007 mg/L | 0.00378 | 0.76% |
| QC value within limits for Cu 324.752 | | Recovery = 100.13% | | | | |
| Fe 238.204† | 258769.7 | 2.479 mg/L | 0.0067 | 2.479 mg/L | 0.0067 | 0.27% |
| QC value within limits for Fe 238.204 | | Recovery = 99.16% | | | | |
| Fe 234.349† | 75488.6 | 2.489 mg/L | 0.0124 | 2.489 mg/L | 0.0124 | 0.50% |
| QC value within limits for Fe 234.349 | | Recovery = 99.57% | | | | |
| Mg 279.077† | 81468.7 | 4.963 mg/L | 0.0136 | 4.963 mg/L | 0.0136 | 0.27% |
| QC value within limits for Mg 279.077 | | Recovery = 99.26% | | | | |
| Mn 257.610† | 437444.1 | 0.5034 mg/L | 0.00113 | 0.5034 mg/L | 0.00113 | 0.23% |
| QC value within limits for Mn 257.610 | | Recovery = 100.68% | | | | |
| Mo 202.031† | 4787.5 | 0.4969 mg/L | 0.00117 | 0.4969 mg/L | 0.00117 | 0.24% |
| QC value within limits for Mo 202.031 | | Recovery = 99.37% | | | | |

| | | | | | | |
|--|----------|-------------|---------|-------------|---------|-------|
| Na 330.237† | 16434.3 | 23.46 mg/L | 0.071 | 23.46 mg/L | 0.071 | 0.30% |
| QC value within limits for Na 330.237 Recovery = 93.86% | | | | | | |
| Ni 231.604† | 20979.4 | 0.4959 mg/L | 0.00093 | 0.4959 mg/L | 0.00093 | 0.19% |
| QC value within limits for Ni 231.604 Recovery = 99.18% | | | | | | |
| Pb 220.353† | 3678.3 | 0.4996 mg/L | 0.00168 | 0.4996 mg/L | 0.00168 | 0.34% |
| QC value within limits for Pb 220.353 Recovery = 99.92% | | | | | | |
| Sb 206.836† | 1565.6 | 0.4899 mg/L | 0.00123 | 0.4899 mg/L | 0.00123 | 0.25% |
| QC value within limits for Sb 206.836 Recovery = 97.98% | | | | | | |
| Se 196.026† | 540.5 | 1.001 mg/L | 0.0019 | 1.001 mg/L | 0.0019 | 0.19% |
| QC value within limits for Se 196.026 Recovery = 100.09% | | | | | | |
| Sn 189.927† | 978.3 | 0.4620 mg/L | 0.00375 | 0.4620 mg/L | 0.00375 | 0.81% |
| QC value within limits for Sn 189.927 Recovery = 92.40% | | | | | | |
| Ti 337.279† | 276701.9 | 0.5013 mg/L | 0.00046 | 0.5013 mg/L | 0.00046 | 0.09% |
| QC value within limits for Ti 337.279 Recovery = 100.26% | | | | | | |
| Tl 190.801† | 486.6 | 0.4982 mg/L | 0.00124 | 0.4982 mg/L | 0.00124 | 0.25% |
| QC value within limits for Tl 190.801 Recovery = 99.64% | | | | | | |
| V 292.402† | 90864.6 | 0.4971 mg/L | 0.00195 | 0.4971 mg/L | 0.00195 | 0.39% |
| QC value within limits for V 292.402 Recovery = 99.43% | | | | | | |
| Zn 213.857† | 38983.1 | 0.4950 mg/L | 0.00118 | 0.4950 mg/L | 0.00118 | 0.24% |
| QC value within limits for Zn 213.857 Recovery = 99.00% | | | | | | |

All analyte(s) passed QC.

Sequence No.: 38

Sample ID: ICCB

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 1

Date Collected: 8/14/2006 10:06:18 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: ICCB

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. Units | Sample Conc. Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------------------|--------------------|---------------|
| 1 | Y 360.073 | 2022130.8 | 2022130.8 | 1.01 mg/L | | 22:07:49 |
| 1 | Ag 328.068† | 478.0 | -19.9 | 0.0007 mg/L | 0.0007 mg/L | 22:07:55 |
| 1 | Al 237.313† | -278.5 | 1.6 | 0.0073 mg/L | 0.0073 mg/L | 22:08:15 |
| 1 | As 188.979† | -9.8 | -0.4 | 0.0012 mg/L | 0.0012 mg/L | 22:08:15 |
| 1 | B 182.528† | -21.6 | 0.4 | 0.0042 mg/L | 0.0042 mg/L | 22:08:15 |
| 1 | Ba 233.527† | 232.8 | 13.1 | -0.0016 mg/L | -0.0016 mg/L | 22:08:15 |
| 1 | Be 313.107† | 3339.0 | 169.5 | 0.0000 mg/L | 0.0000 mg/L | 22:07:49 |
| 1 | Ca 315.886† | -278.8 | 44.4 | -0.0116 mg/L | -0.0116 mg/L | 22:07:55 |
| 1 | Cd 228.802† | 571.8 | 20.3 | 0.0009 mg/L | 0.0009 mg/L | 22:08:15 |
| 1 | Co 228.616† | -170.7 | -3.3 | -0.0015 mg/L | -0.0015 mg/L | 22:08:15 |
| 1 | Cr 267.716† | 1434.8 | -26.8 | 0.0000 mg/L | 0.0000 mg/L | 22:07:55 |
| 1 | Cu 324.752† | 3765.8 | 1608.1 | 0.0094 mg/L | 0.0094 mg/L | 22:07:55 |
| 1 | Fe 238.204† | 2095.9 | 938.5 | 0.0085 mg/L | 0.0085 mg/L | 22:08:15 |
| 1 | Fe 239.349† | 904.1 | 243.7 | 0.0004 mg/L | 0.0004 mg/L | 22:08:15 |
| 1 | Mg 274.077† | -692.2 | 133.7 | 0.0066 mg/L | 0.0066 mg/L | 22:07:55 |
| 1 | Mn 257.610† | 1401.6 | 105.1 | -0.0017 mg/L | -0.0017 mg/L | 22:07:55 |
| 1 | Mo 202.031† | 95.1 | 13.4 | 0.0014 mg/L | 0.0014 mg/L | 22:08:15 |
| 1 | Na 330.237† | 1576.6 | 49.0 | 0.6079 mg/L | 0.6079 mg/L | 22:07:55 |
| 1 | Ni 231.604† | 3806.2 | -380.3 | -0.0082 mg/L | -0.0082 mg/L | 22:07:55 |
| 1 | Pb 220.353† | 65.6 | 17.3 | 0.0024 mg/L | 0.0024 mg/L | 22:08:15 |
| 1 | Sb 206.836† | 48.4 | -4.1 | -0.0014 mg/L | -0.0014 mg/L | 22:08:15 |
| 1 | Se 196.026† | -16.9 | -0.5 | 0.0001 mg/L | 0.0001 mg/L | 22:08:15 |
| 1 | Sn 189.927† | 86.9 | -104.1 | -0.0406 mg/L | -0.0406 mg/L | 22:08:15 |
| 1 | Ti 337.279† | 435.5 | 101.3 | -0.0012 mg/L | -0.0012 mg/L | 22:07:55 |
| 1 | Tl 190.801† | -13.8 | 4.4 | 0.0065 mg/L | 0.0065 mg/L | 22:08:15 |
| 1 | V 292.402† | 2413.7 | 107.7 | 0.0012 mg/L | 0.0012 mg/L | 22:07:55 |
| 1 | Zn 213.857† | 1394.2 | 324.9 | 0.0019 mg/L | 0.0019 mg/L | 22:08:15 |
| 2 | Y 360.073 | 2024856.9 | 2024856.9 | 1.02 mg/L | | 22:08:21 |
| 2 | Ag 328.068† | 473.3 | -25.2 | 0.0007 mg/L | 0.0007 mg/L | 22:08:26 |
| 2 | Al 237.313† | -271.2 | 9.1 | 0.0084 mg/L | 0.0084 mg/L | 22:08:46 |
| 2 | As 188.979† | -10.1 | -0.7 | 0.0006 mg/L | 0.0006 mg/L | 22:08:46 |
| 2 | B 182.528† | -20.7 | 1.3 | 0.0051 mg/L | 0.0051 mg/L | 22:08:46 |
| 2 | Ba 233.527† | 234.9 | 14.8 | -0.0016 mg/L | -0.0016 mg/L | 22:08:46 |
| 2 | Be 313.107† | 3242.6 | 70.2 | 0.0000 mg/L | 0.0000 mg/L | 22:08:21 |
| 2 | Ca 315.886† | -248.2 | 74.9 | -0.0113 mg/L | -0.0113 mg/L | 22:08:26 |
| 2 | Cd 228.802† | 558.6 | 6.6 | 0.0008 mg/L | 0.0008 mg/L | 22:08:46 |
| 2 | Co 228.616† | -171.0 | -3.3 | -0.0015 mg/L | -0.0015 mg/L | 22:08:46 |
| 2 | Cr 267.716† | 1426.4 | -37.0 | -0.0001 mg/L | -0.0001 mg/L | 22:08:26 |

| | | | | | | |
|---|-------------|--------|--------|--------------|--------------|----------|
| 2 | Cu 324.752† | 3748.9 | 1586.5 | 0.0093 mg/L | 0.0093 mg/L | 22:08:26 |
| 2 | Fe 238.204† | 2051.7 | 892.3 | 0.0081 mg/L | 0.0081 mg/L | 22:08:46 |
| 2 | Fe 234.349† | 906.2 | 244.6 | 0.0005 mg/L | 0.0005 mg/L | 22:08:46 |
| 2 | Mg 279.077† | -765.5 | 62.5 | 0.0023 mg/L | 0.0023 mg/L | 22:08:26 |
| 2 | Mn 257.610† | 1371.7 | 73.7 | -0.0017 mg/L | -0.0017 mg/L | 22:08:26 |
| 2 | Mo 202.031† | 92.3 | 10.5 | 0.0011 mg/L | 0.0011 mg/L | 22:08:46 |
| 2 | Na 330.237† | 1547.0 | 17.8 | 0.5645 mg/L | 0.5645 mg/L | 22:08:26 |
| 2 | Ni 231.604† | 3864.1 | -328.4 | -0.0070 mg/L | -0.0070 mg/L | 22:08:26 |
| 2 | Pb 220.353† | 50.3 | 2.2 | 0.0003 mg/L | 0.0003 mg/L | 22:08:46 |
| 2 | Sb 206.836† | 53.8 | 1.2 | 0.0003 mg/L | 0.0003 mg/L | 22:08:46 |
| 2 | Se 196.026† | -16.8 | -0.4 | 0.0003 mg/L | 0.0003 mg/L | 22:08:46 |
| 2 | Sn 189.927† | 91.1 | -100.1 | -0.0387 mg/L | -0.0387 mg/L | 22:08:46 |
| 2 | Ti 337.279† | 409.7 | 75.4 | -0.0012 mg/L | -0.0012 mg/L | 22:08:26 |
| 2 | Tl 190.801† | -16.0 | 2.3 | 0.0044 mg/L | 0.0044 mg/L | 22:08:46 |
| 2 | V 292.402† | 2412.1 | 102.9 | 0.0012 mg/L | 0.0012 mg/L | 22:08:26 |
| 2 | Zn 213.857† | 1361.0 | 290.3 | 0.0015 mg/L | 0.0015 mg/L | 22:08:46 |

Mean Data: ICCB

| Analyte | Mean Corrected Intensity | Conc. | Calib Units | Std.Dev. | Sample Conc. Units | Std.Dev. | RSD |
|---------------------------------------|--------------------------|--------------|----------------|----------|--------------------|----------|---------|
| Y 360.073 | 2023493.8 | 1.02 mg/L | | 0.001 | | | 0.10% |
| Ag 328.068† | -22.6 | 0.0007 mg/L | | 0.00001 | 0.0007 mg/L | 0.00001 | 1.84% |
| QC value within limits for Ag 328.068 | | Recovery = | Not calculated | | | | |
| Al 237.313† | 5.4 | 0.0079 mg/L | | 0.00077 | 0.0079 mg/L | 0.00077 | 9.76% |
| QC value within limits for Al 237.313 | | Recovery = | Not calculated | | | | |
| As 188.979† | -0.5 | 0.0009 mg/L | | 0.00041 | 0.0009 mg/L | 0.00041 | 44.58% |
| QC value within limits for As 188.979 | | Recovery = | Not calculated | | | | |
| B 182.528† | 0.9 | 0.0047 mg/L | | 0.00065 | 0.0047 mg/L | 0.00065 | 13.83% |
| QC value within limits for B 182.528 | | Recovery = | Not calculated | | | | |
| Ba 233.527† | 13.9 | -0.0016 mg/L | | 0.00001 | -0.0016 mg/L | 0.00001 | 0.52% |
| QC value within limits for Ba 233.527 | | Recovery = | Not calculated | | | | |
| Be 313.107† | 119.8 | 0.0000 mg/L | | 0.00002 | 0.0000 mg/L | 0.00002 | 218.67% |
| QC value within limits for Be 313.107 | | Recovery = | Not calculated | | | | |
| Ca 315.886† | 59.6 | -0.0114 mg/L | | 0.00020 | -0.0114 mg/L | 0.00020 | 1.72% |
| QC value within limits for Ca 315.886 | | Recovery = | Not calculated | | | | |
| Cd 228.802† | 13.5 | 0.0009 mg/L | | 0.00014 | 0.0009 mg/L | 0.00014 | 16.34% |
| QC value within limits for Cd 228.802 | | Recovery = | Not calculated | | | | |
| Co 228.616† | -3.3 | -0.0015 mg/L | | 0.00000 | -0.0015 mg/L | 0.00000 | 0.05% |
| QC value within limits for Co 228.616 | | Recovery = | Not calculated | | | | |
| Cr 267.716† | -31.9 | 0.0000 mg/L | | 0.00006 | 0.0000 mg/L | 0.00006 | 999.14% |
| QC value within limits for Cr 267.716 | | Recovery = | Not calculated | | | | |
| Cu 324.752† | 1597.3 | 0.0093 mg/L | | 0.00007 | 0.0093 mg/L | 0.00007 | 0.78% |
| QC value within limits for Cu 324.752 | | Recovery = | Not calculated | | | | |
| Fe 238.204† | 915.4 | 0.0083 mg/L | | 0.00031 | 0.0083 mg/L | 0.00031 | 3.76% |
| QC value within limits for Fe 238.204 | | Recovery = | Not calculated | | | | |
| Fe 234.349† | 244.2 | 0.0005 mg/L | | 0.00001 | 0.0005 mg/L | 0.00001 | 2.67% |
| QC value within limits for Fe 234.349 | | Recovery = | Not calculated | | | | |
| Mg 279.077† | 98.1 | 0.0044 mg/L | | 0.00307 | 0.0044 mg/L | 0.00307 | 69.11% |
| QC value within limits for Mg 279.077 | | Recovery = | Not calculated | | | | |
| Mn 257.610† | 89.4 | -0.0017 mg/L | | 0.00003 | -0.0017 mg/L | 0.00003 | 1.52% |
| QC value within limits for Mn 257.610 | | Recovery = | Not calculated | | | | |
| Mo 202.031† | 11.9 | 0.0012 mg/L | | 0.00021 | 0.0012 mg/L | 0.00021 | 17.26% |
| QC value within limits for Mo 202.031 | | Recovery = | Not calculated | | | | |
| Na 330.237† | 33.4 | 0.5862 mg/L | | 0.03075 | 0.5862 mg/L | 0.03075 | 5.25% |
| QC value within limits for Na 330.237 | | Recovery = | Not calculated | | | | |
| Ni 231.604† | -354.3 | -0.0076 mg/L | | 0.00087 | -0.0076 mg/L | 0.00087 | 11.46% |
| QC value within limits for Ni 231.604 | | Recovery = | Not calculated | | | | |
| Pb 220.353† | 9.7 | 0.0013 mg/L | | 0.00144 | 0.0013 mg/L | 0.00144 | 108.13% |
| QC value within limits for Pb 220.353 | | Recovery = | Not calculated | | | | |
| Sb 206.836† | -1.4 | -0.0006 mg/L | | 0.00119 | -0.0006 mg/L | 0.00119 | 212.37% |
| QC value within limits for Sb 206.836 | | Recovery = | Not calculated | | | | |
| Se 196.026† | -0.5 | 0.0002 mg/L | | 0.00012 | 0.0002 mg/L | 0.00012 | 59.24% |
| QC value within limits for Se 196.026 | | Recovery = | Not calculated | | | | |
| Sn 189.927† | -102.1 | -0.0396 mg/L | | 0.00132 | -0.0396 mg/L | 0.00132 | 3.34% |
| QC value within limits for Sn 189.927 | | Recovery = | Not calculated | | | | |
| Ti 337.279† | 88.4 | -0.0012 mg/L | | 0.00003 | -0.0012 mg/L | 0.00003 | 2.73% |
| QC value within limits for Ti 337.279 | | Recovery = | Not calculated | | | | |
| Tl 190.801† | 3.4 | 0.0054 mg/L | | 0.00150 | 0.0054 mg/L | 0.00150 | 27.50% |
| QC value within limits for Tl 190.801 | | Recovery = | Not calculated | | | | |
| V 292.402† | 105.3 | 0.0012 mg/L | | 0.00002 | 0.0012 mg/L | 0.00002 | 1.56% |

QC value within limits for V 292.402 Recovery = Not calculated
 Zn 213.857† 307.6 0.0017 mg/L 0.00032 0.0017 mg/L 0.00032 19.00%
 QC value within limits for Zn 213.857 Recovery = Not calculated
 All analyte(s) passed QC.

Sequence No.: 39
 Sample ID: BH61418-MS2
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 29
 Date Collected: 8/14/2006 10:10:23 PM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Replicate Data: BH61418-MS2

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. Units | Sample Conc. Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------------------|--------------------|---------------|
| 1 | Y 360.073 | 2236075.2 | 2236075.2 | 1.12 mg/L | | 22:12:06 |
| 1 | Ag 328.068† | 60107.7 | 53072.4 | 0.1919 mg/L | 0.1919 mg/L | 22:12:11 |
| 1 | Al 237.313† | 433455.4 | 386538.0 | 55.36 mg/L | 55.36 mg/L | 22:12:11 |
| 1 | As 188.979† | 249.5 | 231.6 | 0.3927 mg/L | 0.3927 mg/L | 22:12:31 |
| 1 | B 182.528† | 374.8 | 355.8 | 0.3748 mg/L | 0.3748 mg/L | 22:12:31 |
| 1 | Ba 233.527† | 105369.1 | 93680.4 | 0.6145 mg/L | 0.6145 mg/L | 22:12:11 |
| 1 | Be 313.107† | 216795.8 | 190070.8 | 0.0427 mg/L | 0.0427 mg/L | 22:12:06 |
| 1 | Ca 315.886† | 1256295.1 | 1119832.2 | 10.18 mg/L | 10.18 mg/L | 22:12:06 |
| 1 | Cd 228.802† | 15558.4 | 13321.4 | 0.1889 mg/L | 0.1889 mg/L | 22:12:11 |
| 1 | Co 228.616† | 26476.5 | 23758.8 | 0.4100 mg/L | 0.4100 mg/L | 22:12:11 |
| 1 | Cr 267.716† | 56456.4 | 48868.8 | 0.4366 mg/L | 0.4366 mg/L | 22:12:11 |
| 1 | Cu 324.752† | 102065.4 | 88850.0 | 0.4244 mg/L | 0.4244 mg/L | 22:12:11 |
| 1 | Fe 238.204† | 8059992.9 | 7181316.1 | 68.78 mg/L | 68.78 mg/L | 22:11:59 |
| 1 | Fe 234.349† | 2469756.3 | 2200208.8 | 72.90 mg/L | 72.90 mg/L | 22:12:06 |
| 1 | Mg 279.077† | 274674.6 | 245584.5 | 14.83 mg/L | 14.83 mg/L | 22:12:11 |
| 1 | Mn 257.610† | 1875512.9 | 1670036.0 | 1.929 mg/L | 1.929 mg/L | 22:12:06 |
| 1 | Mo 202.031† | 4294.7 | 3746.8 | 0.3939 mg/L | 0.3939 mg/L | 22:12:31 |
| 1 | Na 330.237† | 20232.5 | 16525.1 | 23.91 mg/L | 23.91 mg/L | 22:12:11 |
| 1 | Ni 231.604† | 24094.3 | 17340.1 | 0.4100 mg/L | 0.4100 mg/L | 22:12:11 |
| 1 | Pb 220.353† | 3600.7 | 3161.4 | 0.4336 mg/L | 0.4336 mg/L | 22:12:31 |
| 1 | Sb 206.836† | 1158.7 | 980.8 | 0.3052 mg/L | 0.3052 mg/L | 22:12:31 |
| 1 | Se 196.026† | 422.3 | 392.5 | 0.7271 mg/L | 0.7271 mg/L | 22:12:31 |
| 1 | Sn 189.927† | 1120.5 | 808.8 | 0.3907 mg/L | 0.3907 mg/L | 22:12:31 |
| 1 | Ti 337.279† | 2260666.4 | 2014203.4 | 3.658 mg/L | 3.658 mg/L | 22:12:06 |
| 1 | Tl 190.801† | 364.1 | 342.5 | 0.3814 mg/L | 0.3814 mg/L | 22:12:31 |
| 1 | V 292.402† | 95088.6 | 82464.9 | 0.4483 mg/L | 0.4483 mg/L | 22:12:11 |
| 1 | Zn 213.857† | 58021.4 | 50655.1 | 0.6482 mg/L | 0.6482 mg/L | 22:12:11 |
| 2 | Y 360.073 | 2222820.8 | 2222820.8 | 1.12 mg/L | | 22:12:46 |
| 2 | Ag 328.068† | 61023.4 | 54212.7 | 0.1960 mg/L | 0.1960 mg/L | 22:12:51 |
| 2 | Al 237.313† | 440650.7 | 395291.3 | 56.62 mg/L | 56.62 mg/L | 22:12:51 |
| 2 | As 188.979† | 244.5 | 228.4 | 0.3877 mg/L | 0.3877 mg/L | 22:13:11 |
| 2 | B 182.528† | 383.0 | 365.0 | 0.3845 mg/L | 0.3845 mg/L | 22:13:11 |
| 2 | Ba 233.527† | 106733.4 | 95463.3 | 0.6262 mg/L | 0.6262 mg/L | 22:12:51 |
| 2 | Be 313.107† | 215710.6 | 190250.1 | 0.0427 mg/L | 0.0427 mg/L | 22:12:46 |
| 2 | Ca 315.886† | 1249264.2 | 1120205.0 | 10.18 mg/L | 10.18 mg/L | 22:12:46 |
| 2 | Cd 228.802† | 15764.1 | 13588.4 | 0.1927 mg/L | 0.1927 mg/L | 22:12:51 |
| 2 | Co 228.616† | 26813.3 | 24201.4 | 0.4178 mg/L | 0.4178 mg/L | 22:12:51 |
| 2 | Cr 267.716† | 57222.6 | 49855.7 | 0.4453 mg/L | 0.4453 mg/L | 22:12:51 |
| 2 | Cu 324.752† | 104589.2 | 91654.8 | 0.4377 mg/L | 0.4377 mg/L | 22:12:51 |
| 2 | Fe 238.204† | 8117518.9 | 7275712.5 | 69.69 mg/L | 69.69 mg/L | 22:12:39 |
| 2 | Fe 234.349† | 2457703.0 | 2202527.2 | 72.98 mg/L | 72.98 mg/L | 22:12:46 |
| 2 | Mg 279.077† | 278266.7 | 250264.2 | 15.12 mg/L | 15.12 mg/L | 22:12:51 |
| 2 | Mn 257.610† | 1866859.2 | 1672244.4 | 1.932 mg/L | 1.932 mg/L | 22:12:46 |
| 2 | Mo 202.031† | 4329.1 | 3800.4 | 0.3994 mg/L | 0.3994 mg/L | 22:13:11 |
| 2 | Na 330.237† | 20559.9 | 16926.1 | 24.47 mg/L | 24.47 mg/L | 22:12:51 |
| 2 | Ni 231.604† | 24316.3 | 17667.1 | 0.4177 mg/L | 0.4177 mg/L | 22:12:51 |
| 2 | Pb 220.353† | 3630.4 | 3207.1 | 0.4399 mg/L | 0.4399 mg/L | 22:13:11 |
| 2 | Sb 206.836† | 1177.8 | 1004.0 | 0.3125 mg/L | 0.3125 mg/L | 22:13:11 |
| 2 | Se 196.026† | 422.4 | 394.8 | 0.7314 mg/L | 0.7314 mg/L | 22:13:11 |
| 2 | Sn 189.927† | 1121.6 | 815.7 | 0.3939 mg/L | 0.3939 mg/L | 22:13:11 |
| 2 | Ti 337.279† | 2248480.5 | 2015291.9 | 3.660 mg/L | 3.660 mg/L | 22:12:46 |
| 2 | Tl 190.801† | 379.6 | 358.3 | 0.3975 mg/L | 0.3975 mg/L | 22:13:11 |
| 2 | V 292.402† | 96317.6 | 84071.9 | 0.4571 mg/L | 0.4571 mg/L | 22:12:51 |
| 2 | Zn 213.857† | 58843.2 | 51700.2 | 0.6615 mg/L | 0.6615 mg/L | 22:12:51 |

Mean Data: BH61418-MS2

| Analyte | Mean Corrected | | | Sample | | | RSD |
|-------------|----------------|-------------|----------|-------------|----------|-------------|-------|
| | Intensity | Conc. Units | Std.Dev. | Conc. Units | Std.Dev. | Conc. Units | |
| Y 360.073 | 2229448.0 | 1.12 mg/L | 0.005 | | | | 0.42% |
| Ag 328.068† | 53642.5 | 0.1940 mg/L | 0.00290 | 0.1940 mg/L | 0.00290 | 0.1940 mg/L | 1.50% |
| Al 237.313† | 390914.6 | 55.99 mg/L | 0.894 | 55.99 mg/L | 0.894 | 55.99 mg/L | 1.60% |
| As 188.979† | 230.0 | 0.3902 mg/L | 0.00357 | 0.3902 mg/L | 0.00357 | 0.3902 mg/L | 0.92% |
| B 182.528† | 360.4 | 0.3796 mg/L | 0.00685 | 0.3796 mg/L | 0.00685 | 0.3796 mg/L | 1.81% |
| Ba 233.527† | 94571.9 | 0.6203 mg/L | 0.00829 | 0.6203 mg/L | 0.00829 | 0.6203 mg/L | 1.34% |
| Be 313.107† | 190160.5 | 0.0427 mg/L | 0.00003 | 0.0427 mg/L | 0.00003 | 0.0427 mg/L | 0.07% |
| Ca 315.886† | 1120018.6 | 10.18 mg/L | 0.002 | 10.18 mg/L | 0.002 | 10.18 mg/L | 0.02% |
| Cd 228.802† | 13454.9 | 0.1908 mg/L | 0.00273 | 0.1908 mg/L | 0.00273 | 0.1908 mg/L | 1.43% |
| Co 228.616† | 23980.1 | 0.4139 mg/L | 0.00551 | 0.4139 mg/L | 0.00551 | 0.4139 mg/L | 1.33% |
| Cr 267.716† | 49362.3 | 0.4409 mg/L | 0.00619 | 0.4409 mg/L | 0.00619 | 0.4409 mg/L | 1.40% |
| Cu 324.752† | 90252.4 | 0.4310 mg/L | 0.00940 | 0.4310 mg/L | 0.00940 | 0.4310 mg/L | 2.18% |
| Fe 238.204† | 7228514.3 | 69.24 mg/L | 0.639 | 69.24 mg/L | 0.639 | 69.24 mg/L | 0.92% |
| Fe 234.349† | 2201368.0 | 72.94 mg/L | 0.054 | 72.94 mg/L | 0.054 | 72.94 mg/L | 0.07% |
| Mg 279.077† | 247924.3 | 14.97 mg/L | 0.202 | 14.97 mg/L | 0.202 | 14.97 mg/L | 1.35% |
| Mn 257.610† | 1671140.2 | 1.930 mg/L | 0.0018 | 1.930 mg/L | 0.0018 | 1.930 mg/L | 0.09% |
| Mo 202.031† | 3773.6 | 0.3966 mg/L | 0.00394 | 0.3966 mg/L | 0.00394 | 0.3966 mg/L | 0.99% |
| Na 330.237† | 16725.6 | 24.19 mg/L | 0.395 | 24.19 mg/L | 0.395 | 24.19 mg/L | 1.63% |
| Ni 231.604† | 17503.6 | 0.4138 mg/L | 0.00546 | 0.4138 mg/L | 0.00546 | 0.4138 mg/L | 1.32% |
| Pb 220.353† | 3184.2 | 0.4367 mg/L | 0.00445 | 0.4367 mg/L | 0.00445 | 0.4367 mg/L | 1.02% |
| Sb 206.836† | 992.4 | 0.3089 mg/L | 0.00513 | 0.3089 mg/L | 0.00513 | 0.3089 mg/L | 1.66% |
| Se 196.026† | 393.7 | 0.7292 mg/L | 0.00304 | 0.7292 mg/L | 0.00304 | 0.7292 mg/L | 0.42% |
| Sn 189.927† | 812.2 | 0.3923 mg/L | 0.00227 | 0.3923 mg/L | 0.00227 | 0.3923 mg/L | 0.58% |
| Ti 337.279† | 2014747.6 | 3.659 mg/L | 0.0014 | 3.659 mg/L | 0.0014 | 3.659 mg/L | 0.04% |
| Tl 190.801† | 350.4 | 0.3894 mg/L | 0.01133 | 0.3894 mg/L | 0.01133 | 0.3894 mg/L | 2.91% |
| V 292.402† | 83268.4 | 0.4527 mg/L | 0.00621 | 0.4527 mg/L | 0.00621 | 0.4527 mg/L | 1.37% |
| Zn 213.857† | 51177.7 | 0.6549 mg/L | 0.00945 | 0.6549 mg/L | 0.00945 | 0.6549 mg/L | 1.44% |

Matrix Recovery Check: BH61418-MS2

| Analyte | Expected | Measured | Std. | Units | Recovery |
|------------|----------|----------|-------|-------|----------|
| | Conc. | Conc. | Dev. | | (%) |
| Ag 328.068 | 0.2483 | 0.1940 | 0.003 | mg/L | 78.3 |
| Al 237.313 | 57.58 | 55.99 | 0.894 | mg/L | 36.4 |
| As 188.979 | 0.5404 | 0.3902 | 0.004 | mg/L | 70.0 |
| B 182.528 | 0.5031 | 0.3796 | 0.007 | mg/L | 75.3 |
| Ba 233.527 | 0.7276 | 0.6203 | 0.008 | mg/L | 78.5 |
| Be 313.107 | 0.0531 | 0.0427 | 0.000 | mg/L | 79.3 |
| Ca 315.886 | 10.34 | 10.18 | 0.002 | mg/L | 96.8 |
| Cd 228.802 | 0.2510 | 0.1908 | 0.003 | mg/L | 75.9 |
| Co 228.616 | 0.5242 | 0.4139 | 0.006 | mg/L | 77.9 |
| Cr 267.716 | 0.5469 | 0.4409 | 0.006 | mg/L | 78.8 |
| Cu 324.752 | 0.5671 | 0.4310 | 0.009 | mg/L | 72.8 |
| Fe 238.204 | 65.48 | 69.24 | 0.639 | mg/L | 250.2 |
| Fe 234.349 | 67.97 | 72.94 | 0.054 | mg/L | 298.9 |
| Mg 279.077 | 15.84 | 14.97 | 0.202 | mg/L | 82.7 |
| Mn 257.610 | 2.181 | 1.930 | 0.002 | mg/L | 49.8 |
| Mo 202.031 | 0.5060 | 0.3966 | 0.004 | mg/L | 78.1 |
| Na 330.237 | 30.65 | 24.19 | 0.395 | mg/L | 74.2 |
| Ni 231.604 | 0.5175 | 0.4138 | 0.005 | mg/L | 79.3 |
| Pb 220.353 | 0.5683 | 0.4367 | 0.004 | mg/L | 73.7 |
| Sb 206.836 | 0.4908 | 0.3089 | 0.005 | mg/L | 63.6 |
| Se 196.026 | 0.9946 | 0.7292 | 0.003 | mg/L | 73.5 |
| Sn 189.927 | 0.4664 | 0.3923 | 0.002 | mg/L | 85.2 |
| Ti 337.279 | 3.672 | 3.659 | 0.001 | mg/L | 97.4 |
| Tl 190.801 | 0.5034 | 0.3894 | 0.011 | mg/L | 77.2 |
| V 292.402 | 0.5570 | 0.4527 | 0.006 | mg/L | 79.1 |
| Zn 213.857 | 0.7741 | 0.6549 | 0.009 | mg/L | 76.2 |

Sequence No.: 40
Sample ID: BH61418-SD2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 30
Date Collected: 8/14/2006 10:14:51 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: BH61418-SD2

| Repl# | Analyte | Net | | Corrected | | Calib. | | Sample | | Analysis Time |
|-------|-------------|-----------|-------|-----------|-------|---------|-------|---------|-------|---------------|
| | | Intensity | Units | Intensity | Units | Conc. | Units | Conc. | Units | |
| 1 | Y 360.073 | 2116005.5 | | 2116005.5 | | 1.06 | mg/L | | | 22:16:26 |
| 1 | Ag 328.068† | 284.7 | | -222.8 | | 0.0000 | mg/L | 0.0000 | mg/L | 22:16:31 |
| 1 | Al 237.313† | 86272.5 | | 81517.8 | | 11.69 | mg/L | 11.69 | mg/L | 22:16:31 |
| 1 | As 188.979† | -6.1 | | 3.5 | | 0.0115 | mg/L | 0.0115 | mg/L | 22:16:52 |
| 1 | B 182.528† | -20.8 | | 2.1 | | 0.0060 | mg/L | 0.0060 | mg/L | 22:16:52 |
| 1 | Ba 233.527† | 8140.0 | | 7449.0 | | 0.0473 | mg/L | 0.0473 | mg/L | 22:16:31 |
| 1 | Be 313.107† | 6279.2 | | 2792.2 | | 0.0006 | mg/L | 0.0006 | mg/L | 22:16:26 |
| 1 | Ca 315.886† | 131564.4 | | 124211.8 | | 1.118 | mg/L | 1.118 | mg/L | 22:16:31 |
| 1 | Cd 228.802† | 599.4 | | 21.3 | | 0.0005 | mg/L | 0.0005 | mg/L | 22:16:52 |
| 1 | Co 228.616† | 236.5 | | 387.7 | | 0.0040 | mg/L | 0.0040 | mg/L | 22:16:52 |
| 1 | Cr 267.716† | 2566.6 | | 976.2 | | 0.0095 | mg/L | 0.0095 | mg/L | 22:16:31 |
| 1 | Cu 324.752† | 6235.7 | | 3769.3 | | 0.0199 | mg/L | 0.0199 | mg/L | 22:16:31 |
| 1 | Fe 238.204† | 1560683.2 | | 1468550.3 | | 14.07 | mg/L | 14.07 | mg/L | 22:16:26 |
| 1 | Fe 234.349† | 457934.6 | | 430584.5 | | 14.26 | mg/L | 14.26 | mg/L | 22:16:26 |
| 1 | Mg 279.077† | 39558.2 | | 38067.3 | | 2.292 | mg/L | 2.292 | mg/L | 22:16:31 |
| 1 | Mn 257.610† | 336889.9 | | 315969.2 | | 0.3635 | mg/L | 0.3635 | mg/L | 22:16:26 |
| 1 | Mo 202.031† | 96.9 | | 10.9 | | 0.0021 | mg/L | 0.0021 | mg/L | 22:16:52 |
| 1 | Na 330.237† | 2315.8 | | 676.2 | | 1.546 | mg/L | 1.546 | mg/L | 22:16:31 |
| 1 | Ni 231.604† | 4343.4 | | -40.7 | | -0.0002 | mg/L | -0.0002 | mg/L | 22:16:31 |
| 1 | Pb 220.353† | 166.3 | | 109.3 | | 0.0158 | mg/L | 0.0158 | mg/L | 22:16:52 |
| 1 | Sb 206.836† | 39.3 | | -14.7 | | -0.0049 | mg/L | -0.0049 | mg/L | 22:16:52 |
| 1 | Se 196.026† | -17.0 | | 0.2 | | 0.0014 | mg/L | 0.0014 | mg/L | 22:16:52 |
| 1 | Sn 189.927† | 72.3 | | -121.6 | | -0.0471 | mg/L | -0.0471 | mg/L | 22:16:52 |
| 1 | Ti 337.279† | 396973.5 | | 373497.5 | | 0.6772 | mg/L | 0.6772 | mg/L | 22:16:26 |
| 1 | Tl 190.801† | -20.7 | | -1.5 | | 0.0074 | mg/L | 0.0074 | mg/L | 22:16:52 |
| 1 | V 292.402† | 4744.2 | | 2196.9 | | 0.0120 | mg/L | 0.0120 | mg/L | 22:16:31 |
| 1 | Zn 213.857† | 6446.8 | | 5021.8 | | 0.0627 | mg/L | 0.0627 | mg/L | 22:16:52 |
| 2 | Y 360.073 | 2108674.2 | | 2108674.2 | | 1.06 | mg/L | | | 22:16:59 |
| 2 | Ag 328.068† | 378.9 | | -132.9 | | 0.0003 | mg/L | 0.0003 | mg/L | 22:17:04 |
| 2 | Al 237.313† | 86332.9 | | 81857.3 | | 11.74 | mg/L | 11.74 | mg/L | 22:17:04 |
| 2 | As 188.979† | -6.6 | | 3.0 | | 0.0108 | mg/L | 0.0108 | mg/L | 22:17:24 |
| 2 | B 182.528† | -29.8 | | -6.4 | | -0.0029 | mg/L | -0.0029 | mg/L | 22:17:24 |
| 2 | Ba 233.527† | 8085.9 | | 7424.5 | | 0.0472 | mg/L | 0.0472 | mg/L | 22:17:04 |
| 2 | Be 313.107† | 6199.7 | | 2737.8 | | 0.0006 | mg/L | 0.0006 | mg/L | 22:16:59 |
| 2 | Ca 315.886† | 131400.1 | | 124487.3 | | 1.121 | mg/L | 1.121 | mg/L | 22:17:04 |
| 2 | Cd 228.802† | 598.7 | | 22.7 | | 0.0005 | mg/L | 0.0005 | mg/L | 22:17:24 |
| 2 | Co 228.616† | 236.8 | | 388.7 | | 0.0040 | mg/L | 0.0040 | mg/L | 22:17:24 |
| 2 | Cr 267.716† | 2570.5 | | 988.3 | | 0.0096 | mg/L | 0.0096 | mg/L | 22:17:04 |
| 2 | Cu 324.752† | 6190.4 | | 3747.0 | | 0.0198 | mg/L | 0.0198 | mg/L | 22:17:04 |
| 2 | Fe 238.204† | 1564522.8 | | 1477288.2 | | 14.15 | mg/L | 14.15 | mg/L | 22:16:59 |
| 2 | Fe 234.349† | 459219.3 | | 433297.7 | | 14.35 | mg/L | 14.35 | mg/L | 22:16:59 |
| 2 | Mg 279.077† | 39586.0 | | 38223.0 | | 2.301 | mg/L | 2.301 | mg/L | 22:17:04 |
| 2 | Mn 257.610† | 337412.7 | | 317566.2 | | 0.3654 | mg/L | 0.3654 | mg/L | 22:16:59 |
| 2 | Mo 202.031† | 93.2 | | 7.7 | | 0.0018 | mg/L | 0.0018 | mg/L | 22:17:24 |
| 2 | Na 330.237† | 2284.9 | | 654.5 | | 1.516 | mg/L | 1.516 | mg/L | 22:17:04 |
| 2 | Ni 231.604† | 4177.8 | | -183.1 | | -0.0035 | mg/L | -0.0035 | mg/L | 22:17:04 |
| 2 | Pb 220.353† | 156.2 | | 100.2 | | 0.0145 | mg/L | 0.0145 | mg/L | 22:17:24 |
| 2 | Sb 206.836† | 43.2 | | -10.9 | | -0.0037 | mg/L | -0.0037 | mg/L | 22:17:24 |
| 2 | Se 196.026† | -14.8 | | 2.2 | | 0.0051 | mg/L | 0.0051 | mg/L | 22:17:24 |
| 2 | Sn 189.927† | 82.2 | | -112.0 | | -0.0427 | mg/L | -0.0427 | mg/L | 22:17:24 |
| 2 | Ti 337.279† | 397203.2 | | 375014.3 | | 0.6799 | mg/L | 0.6799 | mg/L | 22:16:59 |
| 2 | Tl 190.801† | -22.3 | | -3.0 | | 0.0059 | mg/L | 0.0059 | mg/L | 22:17:24 |
| 2 | V 292.402† | 4755.5 | | 2223.0 | | 0.0122 | mg/L | 0.0122 | mg/L | 22:17:04 |
| 2 | Zn 213.857† | 6407.2 | | 5005.6 | | 0.0625 | mg/L | 0.0625 | mg/L | 22:17:24 |

Mean Data: BH61418-SD2

| Analyte | Mean Corrected | | Calib | | Std.Dev. | Sample | | Std.Dev. | RSD |
|-------------|----------------|-------|--------|-------|----------|--------|-------|----------|---------|
| | Intensity | Units | Conc. | Units | | Conc. | Units | | |
| Y 360.073 | 2112339.9 | | 1.06 | mg/L | 0.003 | | | | 0.25% |
| Ag 328.068† | -177.8 | | 0.0002 | mg/L | 0.00023 | 0.0002 | mg/L | 0.00023 | 132.59% |
| Al 237.313† | 81687.6 | | 11.71 | mg/L | 0.034 | 11.71 | mg/L | 0.034 | 0.29% |
| As 188.979† | 3.3 | | 0.0111 | mg/L | 0.00048 | 0.0111 | mg/L | 0.00048 | 4.30% |
| B 182.528† | -2.2 | | 0.0015 | mg/L | 0.00633 | 0.0015 | mg/L | 0.00633 | 410.75% |
| Ba 233.527† | 7436.7 | | 0.0472 | mg/L | 0.00011 | 0.0472 | mg/L | 0.00011 | 0.24% |
| Be 313.107† | 2765.0 | | 0.0006 | mg/L | 0.00001 | 0.0006 | mg/L | 0.00001 | 1.40% |
| Ca 315.886† | 124349.5 | | 1.120 | mg/L | 0.0018 | 1.120 | mg/L | 0.0018 | 0.16% |
| Cd 228.802† | 22.0 | | 0.0005 | mg/L | 0.00001 | 0.0005 | mg/L | 0.00001 | 2.76% |

| | | | | | | |
|-------------|-----------|--------------|---------|--------------|---------|---------|
| Co 228.616† | 388.2 | 0.0040 mg/L | 0.00001 | 0.0040 mg/L | 0.00001 | 0.25% |
| Cr 267.716† | 982.3 | 0.0096 mg/L | 0.00008 | 0.0096 mg/L | 0.00008 | 0.82% |
| Cu 324.752† | 3758.1 | 0.0198 mg/L | 0.00007 | 0.0198 mg/L | 0.00007 | 0.37% |
| Fe 238.204† | 1472919.2 | 14.11 mg/L | 0.059 | 14.11 mg/L | 0.059 | 0.42% |
| Fe 234.349† | 431941.1 | 14.31 mg/L | 0.064 | 14.31 mg/L | 0.064 | 0.44% |
| Mg 279.077† | 38145.2 | 2.296 mg/L | 0.0066 | 2.296 mg/L | 0.0066 | 0.29% |
| Mn 257.610† | 316767.7 | 0.3645 mg/L | 0.00131 | 0.3645 mg/L | 0.00131 | 0.36% |
| Mo 202.031† | 9.3 | 0.0020 mg/L | 0.00023 | 0.0020 mg/L | 0.00023 | 11.53% |
| Na 330.237† | 665.4 | 1.531 mg/L | 0.0210 | 1.531 mg/L | 0.0210 | 1.37% |
| Ni 231.604† | -111.9 | -0.0018 mg/L | 0.00238 | -0.0018 mg/L | 0.00238 | 128.62% |
| Pb 220.353† | 104.8 | 0.0151 mg/L | 0.00087 | 0.0151 mg/L | 0.00087 | 5.72% |
| Sb 206.836† | -12.8 | -0.0043 mg/L | 0.00085 | -0.0043 mg/L | 0.00085 | 19.75% |
| Se 196.026† | 1.2 | 0.0033 mg/L | 0.00265 | 0.0033 mg/L | 0.00265 | 81.11% |
| Sn 189.927† | -116.8 | -0.0449 mg/L | 0.00314 | -0.0449 mg/L | 0.00314 | 7.00% |
| Ti 337.279† | 374255.9 | 0.6786 mg/L | 0.00195 | 0.6786 mg/L | 0.00195 | 0.29% |
| Tl 190.801† | -2.3 | 0.0067 mg/L | 0.00109 | 0.0067 mg/L | 0.00109 | 16.45% |
| V 292.402† | 2209.9 | 0.0121 mg/L | 0.00010 | 0.0121 mg/L | 0.00010 | 0.82% |
| Zn 213.857† | 5013.7 | 0.0626 mg/L | 0.00013 | 0.0626 mg/L | 0.00013 | 0.21% |

Dilution Check: BH61418-SD2

| Analyte | Expected Conc. | Measured Conc. | Std. Dev. | Units | Difference (%) |
|------------|----------------|----------------|-----------|-------|----------------|
| Y 360.073 | | | 0.000 | mg/L | Not calculated |
| Ag 328.068 | -0.0003 | 0.0002 | 0.000 | mg/L | -150.9 |
| Al 237.313 | 11.02 | 11.71 | 0.034 | mg/L | 6.3 |
| As 188.979 | 0.0081 | 0.0111 | 0.000 | mg/L | 37.6 |
| B 182.528 | 0.0006 | 0.0015 | 0.006 | mg/L | 150.9 |
| Ba 233.527 | 0.0455 | 0.0472 | 0.000 | mg/L | 3.8 |
| Be 313.107 | 0.0006 | 0.0006 | 0.000 | mg/L | 0.2 |
| Ca 315.886 | 1.068 | 1.120 | 0.002 | mg/L | 4.8 |
| Cd 228.802 | 0.0002 | 0.0005 | 0.000 | mg/L | 149.2 |
| Co 228.616 | 0.0048 | 0.0040 | 0.000 | mg/L | 17.4 |
| Cr 267.716 | 0.0094 | 0.0096 | 0.000 | mg/L | 2.2 |
| Cu 324.752 | 0.0134 | 0.0198 | 0.000 | mg/L | 47.7 |
| Fe 238.204 | 12.60 | 14.11 | 0.059 | mg/L | 12.0 |
| Fe 234.349 | 13.09 | 14.31 | 0.064 | mg/L | 9.3 |
| Mg 279.077 | 2.168 | 2.296 | 0.007 | mg/L | 5.9 |
| Mn 257.610 | 0.3363 | 0.3645 | 0.001 | mg/L | 8.4 |
| Mo 202.031 | 0.0012 | 0.0020 | 0.000 | mg/L | 65.2 |
| Na 330.237 | 1.129 | 1.531 | 0.021 | mg/L | 35.6 |
| Ni 231.604 | 0.0035 | -0.0018 | 0.002 | mg/L | 152.9 |
| Pb 220.353 | 0.0137 | 0.0151 | 0.001 | mg/L | 10.8 |
| Sb 206.836 | -0.0018 | -0.0043 | 0.001 | mg/L | -133.7 |
| Se 196.026 | -0.0011 | 0.0033 | 0.003 | mg/L | -402.3 |
| Sn 189.927 | -0.0067 | -0.0449 | 0.003 | mg/L | -569.0 |
| Ti 337.279 | 0.6344 | 0.6786 | 0.002 | mg/L | 7.0 |
| Tl 190.801 | 0.0007 | 0.0067 | 0.001 | mg/L | 875.1 |
| V 292.402 | 0.0114 | 0.0121 | 0.000 | mg/L | 6.1 |
| Zn 213.857 | 0.0548 | 0.0626 | 0.000 | mg/L | 14.3 |

Sequence No.: 41
 Sample ID: BH61418-PDS2
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 31
 Date Collected: 8/14/2006 10:19:03 PM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Replicate Data: BH61418-PDS2

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. Units | Sample Conc. Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------------------|--------------------|---------------|
| 1 | Y 360.073 | 2239562.1 | 2239562.1 | 1.12 mg/L | | 22:20:46 |
| 1 | Ag 328.068† | 69883.5 | 61686.9 | 0.2230 mg/L | 0.2230 mg/L | 22:20:52 |
| 1 | Al 237.313† | 433677.6 | 386134.2 | 55.34 mg/L | 55.34 mg/L | 22:20:52 |
| 1 | As 188.979† | 300.8 | 276.9 | 0.4645 mg/L | 0.4645 mg/L | 22:21:12 |
| 1 | B 182.528† | 449.1 | 421.3 | 0.4432 mg/L | 0.4432 mg/L | 22:21:12 |
| 1 | Ba 233.527† | 114616.2 | 101761.7 | 0.6676 mg/L | 0.6676 mg/L | 22:20:52 |
| 1 | Be 313.107† | 249378.5 | 218760.1 | 0.0491 mg/L | 0.0491 mg/L | 22:20:46 |
| 1 | Ca 315.886† | 1221800.8 | 1087398.4 | 9.884 mg/L | 9.884 mg/L | 22:20:46 |
| 1 | Cd 228.802† | 17952.3 | 15429.7 | 0.2191 mg/L | 0.2191 mg/L | 22:20:52 |

| | | | | | | | |
|---|----|----------|-----------|-----------|-------------|-------------|----------|
| 1 | Co | 228.616† | 30369.8 | 27186.0 | 0.4705 mg/L | 0.4705 mg/L | 22:20:52 |
| 1 | Cr | 267.716† | 64661.2 | 56090.6 | 0.5002 mg/L | 0.5002 mg/L | 22:20:52 |
| 1 | Cu | 324.752† | 116658.4 | 101692.4 | 0.4852 mg/L | 0.4852 mg/L | 22:20:52 |
| 1 | Fe | 238.204† | 7381798.2 | 6566719.5 | 62.90 mg/L | 62.90 mg/L | 22:20:39 |
| 1 | Fe | 234.349† | 2259968.4 | 2010126.4 | 66.60 mg/L | 66.60 mg/L | 22:20:46 |
| 1 | Mg | 279.077† | 275765.3 | 246173.9 | 14.88 mg/L | 14.88 mg/L | 22:20:52 |
| 1 | Mn | 257.610† | 2047074.4 | 1820078.2 | 2.102 mg/L | 2.102 mg/L | 22:20:46 |
| 1 | Mo | 202.031† | 5091.6 | 4449.8 | 0.4664 mg/L | 0.4664 mg/L | 22:21:12 |
| 1 | Na | 330.237† | 22954.3 | 18918.7 | 27.22 mg/L | 27.22 mg/L | 22:20:52 |
| 1 | Ni | 231.604† | 26838.4 | 19748.2 | 0.4668 mg/L | 0.4668 mg/L | 22:20:52 |
| 1 | Pb | 220.353† | 4257.5 | 3740.7 | 0.5123 mg/L | 0.5123 mg/L | 22:21:12 |
| 1 | Sb | 206.836† | 1597.7 | 1369.7 | 0.4277 mg/L | 0.4277 mg/L | 22:21:12 |
| 1 | Se | 196.026† | 497.6 | 458.9 | 0.8499 mg/L | 0.8499 mg/L | 22:21:12 |
| 1 | Sn | 189.927† | 1255.2 | 927.1 | 0.4454 mg/L | 0.4454 mg/L | 22:21:12 |
| 1 | Ti | 337.279† | 2232149.4 | 1985694.3 | 3.606 mg/L | 3.606 mg/L | 22:20:46 |
| 1 | Tl | 190.801† | 431.8 | 402.2 | 0.4436 mg/L | 0.4436 mg/L | 22:21:12 |
| 1 | V | 292.402† | 107165.2 | 93077.9 | 0.5065 mg/L | 0.5065 mg/L | 22:20:52 |
| 2 | Zn | 213.857† | 62276.4 | 54360.5 | 0.6953 mg/L | 0.6953 mg/L | 22:20:52 |
| 2 | Y | 360.073 | 2242956.4 | 2242956.4 | 1.13 mg/L | 1.13 mg/L | 22:21:26 |
| 2 | Ag | 328.068† | 70549.6 | 62184.5 | 0.2247 mg/L | 0.2247 mg/L | 22:21:31 |
| 2 | Al | 237.313† | 436031.3 | 387641.4 | 55.56 mg/L | 55.56 mg/L | 22:21:31 |
| 2 | As | 188.979† | 304.5 | 279.8 | 0.4690 mg/L | 0.4690 mg/L | 22:21:51 |
| 2 | B | 182.528† | 446.5 | 418.4 | 0.4401 mg/L | 0.4401 mg/L | 22:21:51 |
| 2 | Ba | 233.527† | 115420.9 | 102322.3 | 0.6713 mg/L | 0.6713 mg/L | 22:21:31 |
| 2 | Be | 313.107† | 248378.6 | 217536.0 | 0.0488 mg/L | 0.0488 mg/L | 22:21:26 |
| 2 | Ca | 315.886† | 1217378.8 | 1081824.8 | 9.833 mg/L | 9.833 mg/L | 22:21:26 |
| 2 | Cd | 228.802† | 18109.9 | 15545.5 | 0.2208 mg/L | 0.2208 mg/L | 22:21:31 |
| 2 | Co | 228.616† | 30528.6 | 27286.2 | 0.4723 mg/L | 0.4723 mg/L | 22:21:31 |
| 2 | Cr | 267.716† | 65081.6 | 56377.0 | 0.5027 mg/L | 0.5027 mg/L | 22:21:31 |
| 2 | Cu | 324.752† | 118176.2 | 102883.7 | 0.4909 mg/L | 0.4909 mg/L | 22:21:31 |
| 2 | Fe | 238.204† | 7411802.2 | 6583435.5 | 63.06 mg/L | 63.06 mg/L | 22:21:19 |
| 2 | Fe | 234.349† | 2251768.3 | 1999798.6 | 66.26 mg/L | 66.26 mg/L | 22:21:26 |
| 2 | Mg | 279.077† | 276904.7 | 246814.8 | 14.92 mg/L | 14.92 mg/L | 22:21:31 |
| 2 | Mn | 257.610† | 2039370.9 | 1810478.2 | 2.091 mg/L | 2.091 mg/L | 22:21:26 |
| 2 | Mo | 202.031† | 5115.4 | 4464.1 | 0.4678 mg/L | 0.4678 mg/L | 22:21:51 |
| 2 | Na | 330.237† | 23149.9 | 19061.5 | 27.42 mg/L | 27.42 mg/L | 22:21:31 |
| 2 | Ni | 231.604† | 27004.1 | 19859.2 | 0.4694 mg/L | 0.4694 mg/L | 22:21:31 |
| 2 | Pb | 220.353† | 4281.7 | 3756.5 | 0.5145 mg/L | 0.5145 mg/L | 22:21:51 |
| 2 | Sb | 206.836† | 1598.0 | 1367.9 | 0.4271 mg/L | 0.4271 mg/L | 22:21:51 |
| 2 | Se | 196.026† | 497.6 | 458.2 | 0.8486 mg/L | 0.8486 mg/L | 22:21:51 |
| 2 | Sn | 189.927† | 1271.7 | 940.0 | 0.4513 mg/L | 0.4513 mg/L | 22:21:51 |
| 2 | Ti | 337.279† | 2219399.6 | 1971362.0 | 3.580 mg/L | 3.580 mg/L | 22:21:26 |
| 2 | Tl | 190.801† | 445.4 | 413.7 | 0.4550 mg/L | 0.4550 mg/L | 22:21:51 |
| 2 | V | 292.402† | 107877.6 | 93566.5 | 0.5092 mg/L | 0.5092 mg/L | 22:21:31 |
| 2 | Zn | 213.857† | 62712.0 | 54663.6 | 0.6991 mg/L | 0.6991 mg/L | 22:21:31 |

Mean Data: BH61418-PDS2

| Analyte | Mean Corrected Intensity | Calib Conc. | Units | Std.Dev. | Sample Conc. | Units | Std.Dev. | RSD |
|-------------|--------------------------|-------------|-------|----------|--------------|-------|----------|-------|
| Y 360.073 | 2241259.3 | 1.12 mg/L | | 0.001 | | | | 0.11% |
| Ag 328.068† | 61935.7 | 0.2239 mg/L | | 0.00127 | 0.2239 mg/L | | 0.00127 | 0.57% |
| Al 237.313† | 386887.8 | 55.45 mg/L | | 0.156 | 55.45 mg/L | | 0.156 | 0.28% |
| As 188.979† | 278.3 | 0.4668 mg/L | | 0.00320 | 0.4668 mg/L | | 0.00320 | 0.68% |
| B 182.528† | 419.9 | 0.4417 mg/L | | 0.00215 | 0.4417 mg/L | | 0.00215 | 0.49% |
| Ba 233.527† | 102042.0 | 0.6694 mg/L | | 0.00261 | 0.6694 mg/L | | 0.00261 | 0.39% |
| Be 313.107† | 218148.0 | 0.0490 mg/L | | 0.00019 | 0.0490 mg/L | | 0.00019 | 0.40% |
| Ca 315.886† | 1084611.6 | 9.859 mg/L | | 0.0359 | 9.859 mg/L | | 0.0359 | 0.36% |
| Cd 228.802† | 15487.6 | 0.2199 mg/L | | 0.00118 | 0.2199 mg/L | | 0.00118 | 0.54% |
| Co 228.616† | 27236.1 | 0.4714 mg/L | | 0.00129 | 0.4714 mg/L | | 0.00129 | 0.27% |
| Cr 267.716† | 56233.8 | 0.5015 mg/L | | 0.00179 | 0.5015 mg/L | | 0.00179 | 0.36% |
| Cu 324.752† | 102288.0 | 0.4881 mg/L | | 0.00399 | 0.4881 mg/L | | 0.00399 | 0.82% |
| Fe 238.204† | 6575077.5 | 62.98 mg/L | | 0.113 | 62.98 mg/L | | 0.113 | 0.18% |
| Fe 234.349† | 2004962.5 | 66.43 mg/L | | 0.242 | 66.43 mg/L | | 0.242 | 0.36% |
| Mg 279.077† | 246494.3 | 14.90 mg/L | | 0.028 | 14.90 mg/L | | 0.028 | 0.19% |
| Mn 257.610† | 1815278.2 | 2.096 mg/L | | 0.0078 | 2.096 mg/L | | 0.0078 | 0.37% |
| Mo 202.031† | 4457.0 | 0.4671 mg/L | | 0.00103 | 0.4671 mg/L | | 0.00103 | 0.22% |
| Na 330.237† | 18990.1 | 27.32 mg/L | | 0.140 | 27.32 mg/L | | 0.140 | 0.51% |
| Ni 231.604† | 19803.7 | 0.4681 mg/L | | 0.00185 | 0.4681 mg/L | | 0.00185 | 0.40% |
| Pb 220.353† | 3748.6 | 0.5134 mg/L | | 0.00152 | 0.5134 mg/L | | 0.00152 | 0.30% |
| Sb 206.836† | 1368.8 | 0.4274 mg/L | | 0.00044 | 0.4274 mg/L | | 0.00044 | 0.10% |

| | | | | | | |
|-------------|-----------|-------------|---------|-------------|---------|-------|
| Se 196.026† | 458.6 | 0.8492 mg/L | 0.00091 | 0.8492 mg/L | 0.00091 | 0.11% |
| Sn 189.927† | 933.5 | 0.4484 mg/L | 0.00419 | 0.4484 mg/L | 0.00419 | 0.94% |
| Ti 337.279† | 1978528.1 | 3.593 mg/L | 0.0184 | 3.593 mg/L | 0.0184 | 0.51% |
| Tl 190.801† | 407.9 | 0.4493 mg/L | 0.00812 | 0.4493 mg/L | 0.00812 | 1.81% |
| V 292.402† | 93322.2 | 0.5078 mg/L | 0.00190 | 0.5078 mg/L | 0.00190 | 0.38% |
| Zn 213.857† | 54512.0 | 0.6972 mg/L | 0.00272 | 0.6972 mg/L | 0.00272 | 0.39% |

Matrix Recovery Check: BH61418-PDS2

| Analyte | Expected Conc. | Measured Conc. | Std. Dev. | Units | Recovery (%) |
|------------|-------------------|-------------------|--------------|-------|-----------------|
| Ag 328.068 | 0.2483 | 0.2239 | 0.001 | mg/L | 90.2 |
| Al 237.313 | 57.58 | 55.45 | 0.156 | mg/L | 14.9 |
| As 188.979 | 0.5404 | 0.4668 | 0.003 | mg/L | 85.3 |
| B 182.528 | 0.5031 | 0.4417 | 0.002 | mg/L | 87.7 |
| Ba 233.527 | 0.7276 | 0.6694 | 0.003 | mg/L | 88.4 |
| Be 313.107 | 0.0531 | 0.0490 | 0.000 | mg/L | 91.9 |
| Ca 315.886 | 10.34 | 9.859 | 0.036 | mg/L | 90.4 |
| Cd 228.802 | 0.2510 | 0.2199 | 0.001 | mg/L | 87.6 |
| Co 228.616 | 0.5242 | 0.4714 | 0.001 | mg/L | 89.5 |
| Cr 267.716 | 0.5469 | 0.5015 | 0.002 | mg/L | 90.9 |
| Cu 324.752 | 0.5671 | 0.4881 | 0.004 | mg/L | 84.2 |
| Fe 238.204 | 65.48 | 62.98 | 0.113 | mg/L | -0.1 |
| Fe 234.349 | 67.97 | 66.43 | 0.242 | mg/L | 38.5 |
| Mg 279.077 | 15.84 | 14.90 | 0.028 | mg/L | 81.2 |
| Mn 257.610 | 2.181 | 2.096 | 0.008 | mg/L | 83.0 |
| Mo 202.031 | 0.5060 | 0.4671 | 0.001 | mg/L | 92.2 |
| Na 330.237 | 30.65 | 27.32 | 0.140 | mg/L | 86.7 |
| Ni 231.604 | 0.5175 | 0.4681 | 0.002 | mg/L | 90.1 |
| Pb 220.353 | 0.5683 | 0.5134 | 0.002 | mg/L | 89.0 |
| Sb 206.836 | 0.4908 | 0.4274 | 0.000 | mg/L | 87.3 |
| Se 196.026 | 0.9946 | 0.8492 | 0.001 | mg/L | 85.5 |
| Sn 189.927 | 0.4664 | 0.4484 | 0.004 | mg/L | 96.4 |
| Ti 337.279 | 3.672 | 3.593 | 0.018 | mg/L | 84.2 |
| Tl 190.801 | 0.5034 | 0.4493 | 0.008 | mg/L | 89.2 |
| V 292.402 | 0.5570 | 0.5078 | 0.002 | mg/L | 90.2 |
| Zn 213.857 | 0.7741 | 0.6972 | 0.003 | mg/L | 84.6 |

Sequence No.: 42

Sample ID: CCV

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 3

Date Collected: 8/14/2006 10:23:31 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CCV

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. Units | Sample Conc. Units | Analysis Time |
|-------|-------------|------------------|------------------------|-----------------------|-----------------------|------------------|
| 1 | Y 360.073 | 2080614.3 | 2080614.3 | 1.04 mg/L | | 22:25:05 |
| 1 | Ag 328.068† | 70995.6 | 67502.0 | 0.2439 mg/L | 0.2439 mg/L | 22:25:10 |
| 1 | Al 237.313† | 17230.1 | 16777.4 | 2.411 mg/L | 2.411 mg/L | 22:25:10 |
| 1 | As 188.979† | 314.3 | 310.3 | 0.4989 mg/L | 0.4989 mg/L | 22:25:30 |
| 1 | B 182.528† | 476.1 | 477.7 | 0.5019 mg/L | 0.5019 mg/L | 22:25:30 |
| 1 | Ba 233.527† | 78775.8 | 75227.7 | 0.4930 mg/L | 0.4930 mg/L | 22:25:10 |
| 1 | Be 313.107† | 234050.4 | 221030.8 | 0.0495 mg/L | 0.0495 mg/L | 22:25:05 |
| 1 | Ca 315.886† | 570700.2 | 546882.3 | 4.965 mg/L | 4.965 mg/L | 22:25:05 |
| 1 | Cd 228.802† | 18341.8 | 17023.0 | 0.2439 mg/L | 0.2439 mg/L | 22:25:10 |
| 1 | Co 228.616† | 29231.1 | 28159.8 | 0.4940 mg/L | 0.4940 mg/L | 22:25:10 |
| 1 | Cr 267.716† | 59255.1 | 55308.3 | 0.4906 mg/L | 0.4906 mg/L | 22:25:10 |
| 1 | Cu 324.752† | 109520.7 | 102786.0 | 0.4892 mg/L | 0.4892 mg/L | 22:25:10 |
| 1 | Fe 238.204† | 269754.8 | 257219.2 | 2.464 mg/L | 2.464 mg/L | 22:25:10 |
| 1 | Fe 234.349† | 79110.6 | 75117.6 | 2.477 mg/L | 2.477 mg/L | 22:25:10 |
| 1 | Mg 279.077† | 83749.9 | 81023.6 | 4.936 mg/L | 4.936 mg/L | 22:25:10 |
| 1 | Mn 257.610† | 451608.2 | 431231.9 | 0.4962 mg/L | 0.4962 mg/L | 22:25:05 |
| 1 | Mo 202.031† | 5053.7 | 4759.6 | 0.4940 mg/L | 0.4940 mg/L | 22:25:30 |
| 1 | Na 330.237† | 18586.0 | 16295.3 | 23.27 mg/L | 23.27 mg/L | 22:25:10 |
| 1 | Ni 231.604† | 25979.8 | 20750.1 | 0.4905 mg/L | 0.4905 mg/L | 22:25:10 |
| 1 | Pb 220.353† | 3869.1 | 3658.1 | 0.4969 mg/L | 0.4969 mg/L | 22:25:30 |
| 1 | Sb 206.836† | 1681.2 | 1558.4 | 0.4876 mg/L | 0.4876 mg/L | 22:25:30 |
| 1 | Se 196.026† | 543.2 | 536.3 | 0.9931 mg/L | 0.9931 mg/L | 22:25:30 |

| | | | | | | |
|---|-------------|-----------|-----------|-------------|-------------|----------|
| 1 | Sn 189.927† | 1202.5 | 961.9 | 0.4544 mg/L | 0.4544 mg/L | 22:25:30 |
| 1 | Ti 337.279† | 282838.8 | 270548.7 | 0.4901 mg/L | 0.4901 mg/L | 22:25:05 |
| 1 | Tl 190.801† | 493.4 | 490.5 | 0.5021 mg/L | 0.5021 mg/L | 22:25:30 |
| 1 | V 292.402† | 96474.8 | 90123.8 | 0.4931 mg/L | 0.4931 mg/L | 22:25:10 |
| 1 | Zn 213.857† | 41594.1 | 38786.0 | 0.4925 mg/L | 0.4925 mg/L | 22:25:10 |
| 2 | Y 360.073 | 2083966.6 | 2083966.6 | 1.05 mg/L | | 22:25:37 |
| 2 | Ag 328.068† | 70695.9 | 67106.1 | 0.2425 mg/L | 0.2425 mg/L | 22:25:43 |
| 2 | Al 237.313† | 17186.3 | 16709.0 | 2.402 mg/L | 2.402 mg/L | 22:25:43 |
| 2 | As 188.979† | 313.9 | 309.4 | 0.4975 mg/L | 0.4975 mg/L | 22:26:03 |
| 2 | B 182.528† | 471.6 | 472.6 | 0.4966 mg/L | 0.4966 mg/L | 22:26:03 |
| 2 | Ba 233.527† | 78528.6 | 74870.0 | 0.4907 mg/L | 0.4907 mg/L | 22:25:43 |
| 2 | Be 313.107† | 233496.5 | 220140.5 | 0.0493 mg/L | 0.0493 mg/L | 22:25:37 |
| 2 | Ca 315.886† | 568838.0 | 544222.5 | 4.941 mg/L | 4.941 mg/L | 22:25:37 |
| 2 | Cd 228.802† | 18218.0 | 16876.3 | 0.2418 mg/L | 0.2418 mg/L | 22:25:43 |
| 2 | Co 228.616† | 29077.2 | 27967.6 | 0.4906 mg/L | 0.4906 mg/L | 22:25:43 |
| 2 | Cr 267.716† | 59053.5 | 55024.2 | 0.4880 mg/L | 0.4880 mg/L | 22:25:43 |
| 2 | Cu 324.752† | 109409.0 | 102510.4 | 0.4879 mg/L | 0.4879 mg/L | 22:25:43 |
| 2 | Fe 238.204† | 268847.9 | 255936.5 | 2.452 mg/L | 2.452 mg/L | 22:25:43 |
| 2 | Fe 234.349† | 78636.1 | 74542.0 | 2.458 mg/L | 2.458 mg/L | 22:25:43 |
| 2 | Mg 279.077† | 83467.6 | 80624.6 | 4.912 mg/L | 4.912 mg/L | 22:25:43 |
| 2 | Mn 257.610† | 450687.7 | 429656.1 | 0.4944 mg/L | 0.4944 mg/L | 22:25:37 |
| 2 | Mo 202.031† | 5046.9 | 4745.3 | 0.4925 mg/L | 0.4925 mg/L | 22:26:03 |
| 2 | Na 330.237† | 18513.9 | 16197.8 | 23.13 mg/L | 23.13 mg/L | 22:25:43 |
| 2 | Ni 231.604† | 25785.9 | 20524.7 | 0.4851 mg/L | 0.4851 mg/L | 22:25:43 |
| 2 | Pb 220.353† | 3833.9 | 3618.5 | 0.4915 mg/L | 0.4915 mg/L | 22:26:03 |
| 2 | Sb 206.836† | 1680.7 | 1555.3 | 0.4867 mg/L | 0.4867 mg/L | 22:26:03 |
| 2 | Se 196.026† | 546.3 | 538.5 | 0.9970 mg/L | 0.9970 mg/L | 22:26:03 |
| 2 | Sn 189.927† | 1188.5 | 946.7 | 0.4473 mg/L | 0.4473 mg/L | 22:26:03 |
| 2 | Ti 337.279† | 282925.2 | 270195.6 | 0.4895 mg/L | 0.4895 mg/L | 22:25:37 |
| 2 | Tl 190.801† | 491.8 | 488.2 | 0.4998 mg/L | 0.4998 mg/L | 22:26:03 |
| 2 | V 292.402† | 96055.0 | 89573.8 | 0.4901 mg/L | 0.4901 mg/L | 22:25:43 |
| 2 | Zn 213.857† | 41385.3 | 38522.2 | 0.4891 mg/L | 0.4891 mg/L | 22:25:43 |

Mean Data: CCV

| Analyte | Mean Corrected Intensity | Calib Conc. Units | Std.Dev. | Sample Conc. Units | Std.Dev. | RSD |
|---|--------------------------|-------------------|----------|--------------------|----------|-------|
| Y 360.073 | 2082290.4 | 1.05 mg/L | 0.001 | | | 0.11% |
| Ag 328.068† | 67304.1 | 0.2432 mg/L | 0.00101 | 0.2432 mg/L | 0.00101 | 0.41% |
| QC value within limits for Ag 328.068 Recovery = 97.27% | | | | | | |
| Al 237.313† | 16743.2 | 2.407 mg/L | 0.0069 | 2.407 mg/L | 0.0069 | 0.29% |
| QC value within limits for Al 237.313 Recovery = 96.26% | | | | | | |
| As 188.979† | 309.8 | 0.4982 mg/L | 0.00100 | 0.4982 mg/L | 0.00100 | 0.20% |
| QC value within limits for As 188.979 Recovery = 99.64% | | | | | | |
| B 182.528† | 475.1 | 0.4993 mg/L | 0.00374 | 0.4993 mg/L | 0.00374 | 0.75% |
| QC value within limits for B 182.528 Recovery = 99.86% | | | | | | |
| Ba 233.527† | 75048.8 | 0.4918 mg/L | 0.00166 | 0.4918 mg/L | 0.00166 | 0.34% |
| QC value within limits for Ba 233.527 Recovery = 98.37% | | | | | | |
| Be 313.107† | 220585.7 | 0.0494 mg/L | 0.00014 | 0.0494 mg/L | 0.00014 | 0.29% |
| QC value within limits for Be 313.107 Recovery = 98.85% | | | | | | |
| Ca 315.886† | 545552.4 | 4.953 mg/L | 0.0171 | 4.953 mg/L | 0.0171 | 0.35% |
| QC value within limits for Ca 315.886 Recovery = 99.06% | | | | | | |
| Cd 228.802† | 16949.7 | 0.2429 mg/L | 0.00149 | 0.2429 mg/L | 0.00149 | 0.61% |
| QC value within limits for Cd 228.802 Recovery = 97.14% | | | | | | |
| Co 228.616† | 28063.7 | 0.4923 mg/L | 0.00239 | 0.4923 mg/L | 0.00239 | 0.49% |
| QC value within limits for Co 228.616 Recovery = 98.46% | | | | | | |
| Cr 267.716† | 55166.2 | 0.4893 mg/L | 0.00178 | 0.4893 mg/L | 0.00178 | 0.36% |
| QC value within limits for Cr 267.716 Recovery = 97.86% | | | | | | |
| Cu 324.752† | 102648.2 | 0.4885 mg/L | 0.00092 | 0.4885 mg/L | 0.00092 | 0.19% |
| QC value within limits for Cu 324.752 Recovery = 97.70% | | | | | | |
| Fe 238.204† | 256577.8 | 2.458 mg/L | 0.0087 | 2.458 mg/L | 0.0087 | 0.35% |
| QC value within limits for Fe 238.204 Recovery = 98.32% | | | | | | |
| Fe 234.349† | 74829.8 | 2.467 mg/L | 0.0135 | 2.467 mg/L | 0.0135 | 0.55% |
| QC value within limits for Fe 234.349 Recovery = 98.70% | | | | | | |
| Mg 279.077† | 80824.1 | 4.924 mg/L | 0.0172 | 4.924 mg/L | 0.0172 | 0.35% |
| QC value within limits for Mg 279.077 Recovery = 98.47% | | | | | | |
| Mn 257.610† | 430444.0 | 0.4953 mg/L | 0.00129 | 0.4953 mg/L | 0.00129 | 0.26% |
| QC value within limits for Mn 257.610 Recovery = 99.06% | | | | | | |
| Mo 202.031† | 4752.5 | 0.4932 mg/L | 0.00105 | 0.4932 mg/L | 0.00105 | 0.21% |
| QC value within limits for Mo 202.031 Recovery = 98.65% | | | | | | |
| Na 330.237† | 16246.6 | 23.20 mg/L | 0.096 | 23.20 mg/L | 0.096 | 0.41% |

| | | | | | |
|---------------------------------------|--------------------|-------------|---------|-------------|---------------|
| QC value within limits for Na 330.237 | Recovery = 92.81% | | | | |
| Ni 231.604† | 20637.4 | 0.4878 mg/L | 0.00376 | 0.4878 mg/L | 0.00376 0.77% |
| QC value within limits for Ni 231.604 | Recovery = 97.56% | | | | |
| Pb 220.353† | 3638.3 | 0.4942 mg/L | 0.00379 | 0.4942 mg/L | 0.00379 0.77% |
| QC value within limits for Pb 220.353 | Recovery = 98.84% | | | | |
| Sb 206.836† | 1556.8 | 0.4871 mg/L | 0.00068 | 0.4871 mg/L | 0.00068 0.14% |
| QC value within limits for Sb 206.836 | Recovery = 97.43% | | | | |
| Se 196.026† | 537.4 | 0.9951 mg/L | 0.00277 | 0.9951 mg/L | 0.00277 0.28% |
| QC value within limits for Se 196.026 | Recovery = 99.51% | | | | |
| Sn 189.927† | 954.3 | 0.4508 mg/L | 0.00500 | 0.4508 mg/L | 0.00500 1.11% |
| QC value within limits for Sn 189.927 | Recovery = 90.16% | | | | |
| Ti 337.279† | 270372.1 | 0.4898 mg/L | 0.00045 | 0.4898 mg/L | 0.00045 0.09% |
| QC value within limits for Ti 337.279 | Recovery = 97.96% | | | | |
| Tl 190.801† | 489.4 | 0.5009 mg/L | 0.00162 | 0.5009 mg/L | 0.00162 0.32% |
| QC value within limits for Tl 190.801 | Recovery = 100.18% | | | | |
| V 292.402† | 89848.8 | 0.4916 mg/L | 0.00212 | 0.4916 mg/L | 0.00212 0.43% |
| QC value within limits for V 292.402 | Recovery = 98.32% | | | | |
| Zn 213.857† | 38654.1 | 0.4908 mg/L | 0.00237 | 0.4908 mg/L | 0.00237 0.48% |
| QC value within limits for Zn 213.857 | Recovery = 98.16% | | | | |

All analyte(s) passed QC.

Sequence No.: 43

Sample ID: ICCB

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 1

Date Collected: 8/14/2006 10:27:40 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: ICCB

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. Units | Sample Conc. Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------------------|--------------------|---------------|
| 1 | Y 360.073 | 2056918.4 | 2056918.4 | 1.03 mg/L | | 22:29:11 |
| 1 | Ag 328.068† | 493.8 | -12.6 | 0.0008 mg/L | 0.0008 mg/L | 22:29:17 |
| 1 | Al 237.313† | -272.6 | 11.9 | 0.0088 mg/L | 0.0088 mg/L | 22:29:37 |
| 1 | As 188.979† | -10.2 | -0.7 | 0.0007 mg/L | 0.0007 mg/L | 22:29:37 |
| 1 | B 182.528† | -14.2 | 8.0 | 0.0121 mg/L | 0.0121 mg/L | 22:29:37 |
| 1 | Ba 233.527† | 221.3 | -2.0 | -0.0017 mg/L | -0.0017 mg/L | 22:29:37 |
| 1 | Be 313.107† | 3244.8 | 22.6 | 0.0000 mg/L | 0.0000 mg/L | 22:29:11 |
| 1 | Ca 315.886† | -258.2 | 69.0 | -0.0114 mg/L | -0.0114 mg/L | 22:29:17 |
| 1 | Cd 228.802† | 566.2 | 5.4 | 0.0007 mg/L | 0.0007 mg/L | 22:29:37 |
| 1 | Co 228.616† | -168.4 | 1.8 | -0.0014 mg/L | -0.0014 mg/L | 22:29:37 |
| 1 | Cr 267.716† | 1470.1 | -16.6 | 0.0001 mg/L | 0.0001 mg/L | 22:29:17 |
| 1 | Cu 324.752† | 3316.4 | 1110.0 | 0.0070 mg/L | 0.0070 mg/L | 22:29:17 |
| 1 | Fe 238.204† | 2135.7 | 942.2 | 0.0086 mg/L | 0.0086 mg/L | 22:29:37 |
| 1 | Fe 234.349† | 957.1 | 280.0 | 0.0017 mg/L | 0.0017 mg/L | 22:29:37 |
| 1 | Mg 279.077† | -768.6 | 71.2 | 0.0028 mg/L | 0.0028 mg/L | 22:29:17 |
| 1 | Mn 257.610† | 1404.7 | 84.7 | -0.0017 mg/L | -0.0017 mg/L | 22:29:17 |
| 1 | Mo 202.031† | 88.4 | 5.2 | 0.0005 mg/L | 0.0005 mg/L | 22:29:37 |
| 1 | Na 330.237† | 1553.8 | 0.6 | 0.5406 mg/L | 0.5406 mg/L | 22:29:17 |
| 1 | Ni 231.604† | 3808.8 | -441.2 | -0.0096 mg/L | -0.0096 mg/L | 22:29:17 |
| 1 | Pb 220.353† | 68.4 | 19.0 | 0.0026 mg/L | 0.0026 mg/L | 22:29:37 |
| 1 | Sb 206.836† | 45.7 | -7.5 | -0.0025 mg/L | -0.0025 mg/L | 22:29:37 |
| 1 | Se 196.026† | -14.4 | 2.2 | 0.0051 mg/L | 0.0051 mg/L | 22:29:37 |
| 1 | Sn 189.927† | 66.8 | -125.0 | -0.0503 mg/L | -0.0503 mg/L | 22:29:37 |
| 1 | Ti 337.279† | 424.9 | 83.8 | -0.0012 mg/L | -0.0012 mg/L | 22:29:17 |
| 1 | Tl 190.801† | -18.8 | -0.2 | 0.0018 mg/L | 0.0018 mg/L | 22:29:37 |
| 1 | V 292.402† | 2359.6 | 15.2 | 0.0007 mg/L | 0.0007 mg/L | 22:29:17 |
| 1 | Zn 213.857† | 1319.8 | 229.6 | 0.0007 mg/L | 0.0007 mg/L | 22:29:37 |
| 2 | Y 360.073 | 2051835.1 | 2051835.1 | 1.03 mg/L | | 22:29:43 |
| 2 | Ag 328.068† | 476.6 | -28.1 | 0.0007 mg/L | 0.0007 mg/L | 22:29:48 |
| 2 | Al 237.313† | -255.8 | 27.6 | 0.0111 mg/L | 0.0111 mg/L | 22:30:08 |
| 2 | As 188.979† | -6.1 | 3.3 | 0.0070 mg/L | 0.0070 mg/L | 22:30:08 |
| 2 | B 182.528† | -20.3 | 2.0 | 0.0059 mg/L | 0.0059 mg/L | 22:30:08 |
| 2 | Ba 233.527† | 220.8 | -2.0 | -0.0017 mg/L | -0.0017 mg/L | 22:30:08 |
| 2 | Be 313.107† | 3219.4 | 5.7 | 0.0000 mg/L | 0.0000 mg/L | 22:29:43 |
| 2 | Ca 315.886† | -131.2 | 191.7 | -0.0102 mg/L | -0.0102 mg/L | 22:29:48 |
| 2 | Cd 228.802† | 566.7 | 7.3 | 0.0007 mg/L | 0.0007 mg/L | 22:30:08 |
| 2 | Co 228.616† | -176.0 | -5.9 | -0.0016 mg/L | -0.0016 mg/L | 22:30:08 |
| 2 | Cr 267.716† | 1463.3 | -19.6 | 0.0001 mg/L | 0.0001 mg/L | 22:29:48 |
| 2 | Cu 324.752† | 3273.8 | 1076.6 | 0.0069 mg/L | 0.0069 mg/L | 22:29:48 |

| | | | | | | |
|---|-------------|--------|--------|--------------|--------------|----------|
| 2 | Fe 238.204† | 2078.0 | 891.3 | 0.0081 mg/L | 0.0081 mg/L | 22:30:08 |
| 2 | Fe 234.349† | 943.3 | 268.9 | 0.0013 mg/L | 0.0013 mg/L | 22:30:08 |
| 2 | Mg 279.077† | -758.4 | 79.3 | 0.0033 mg/L | 0.0033 mg/L | 22:29:48 |
| 2 | Mn 257.610† | 1381.7 | 65.7 | -0.0017 mg/L | -0.0017 mg/L | 22:29:48 |
| 2 | Mo 202.031† | 94.1 | 11.0 | 0.0011 mg/L | 0.0011 mg/L | 22:30:08 |
| 2 | Na 330.237† | 1576.6 | 26.5 | 0.5767 mg/L | 0.5767 mg/L | 22:29:48 |
| 2 | Ni 231.604† | 3740.4 | -498.4 | -0.0110 mg/L | -0.0110 mg/L | 22:29:48 |
| 2 | Pb 220.353† | 43.7 | -4.8 | -0.0006 mg/L | -0.0006 mg/L | 22:30:08 |
| 2 | Sb 206.836† | 50.6 | -2.6 | -0.0009 mg/L | -0.0009 mg/L | 22:30:08 |
| 2 | Se 196.026† | -12.7 | 3.8 | 0.0081 mg/L | 0.0081 mg/L | 22:30:08 |
| 2 | Sn 189.927† | 76.6 | -115.4 | -0.0458 mg/L | -0.0458 mg/L | 22:30:08 |
| 2 | Ti 337.279† | 446.9 | 106.2 | -0.0012 mg/L | -0.0012 mg/L | 22:29:48 |
| 2 | Tl 190.801† | -21.8 | -3.1 | -0.0012 mg/L | -0.0012 mg/L | 22:30:08 |
| 2 | V 292.402† | 2450.6 | 109.1 | 0.0012 mg/L | 0.0012 mg/L | 22:29:48 |
| 2 | Zn 213.857† | 1312.8 | 225.9 | 0.0007 mg/L | 0.0007 mg/L | 22:30:08 |

Mean Data: ICCB

| Analyte | Mean Corrected Intensity | Conc. Units | Calib | Std.Dev. | Sample Conc. Units | Std.Dev. | RSD |
|---|--------------------------|--------------|------------|----------------|--------------------|----------|---------|
| Y 360.073 | 2054376.8 | 1.03 mg/L | | 0.002 | | | 0.17% |
| Ag 328.068† | -20.3 | 0.0007 mg/L | | 0.00004 | 0.0007 mg/L | 0.00004 | 5.34% |
| QC value within limits for Ag 328.068 | | | Recovery = | Not calculated | | | |
| Al 237.313† | 19.8 | 0.0099 mg/L | | 0.00161 | 0.0099 mg/L | 0.00161 | 16.18% |
| QC value within limits for Al 237.313 | | | Recovery = | Not calculated | | | |
| As 188.979† | 1.3 | 0.0039 mg/L | | 0.00446 | 0.0039 mg/L | 0.00446 | 114.69% |
| QC value within limits for As 188.979 | | | Recovery = | Not calculated | | | |
| B 182.528† | 5.0 | 0.0090 mg/L | | 0.00442 | 0.0090 mg/L | 0.00442 | 49.05% |
| QC value within limits for B 182.528 | | | Recovery = | Not calculated | | | |
| Ba 233.527† | -2.0 | -0.0017 mg/L | | 0.00000 | -0.0017 mg/L | 0.00000 | 0.00% |
| QC value within limits for Ba 233.527 | | | Recovery = | Not calculated | | | |
| Be 313.107† | 14.1 | 0.0000 mg/L | | 0.00000 | 0.0000 mg/L | 0.00000 | 8.72% |
| QC value within limits for Be 313.107 | | | Recovery = | Not calculated | | | |
| Ca 315.886† | 130.3 | -0.0108 mg/L | | 0.00079 | -0.0108 mg/L | 0.00079 | 7.33% |
| QC value within limits for Ca 315.886 | | | Recovery = | Not calculated | | | |
| Cd 228.802† | 6.3 | 0.0007 mg/L | | 0.00001 | 0.0007 mg/L | 0.00001 | 0.75% |
| QC value within limits for Cd 228.802 | | | Recovery = | Not calculated | | | |
| Co 228.616† | -2.0 | -0.0015 mg/L | | 0.00010 | -0.0015 mg/L | 0.00010 | 6.39% |
| QC value within limits for Co 228.616 | | | Recovery = | Not calculated | | | |
| Cr 267.716† | -18.1 | 0.0001 mg/L | | 0.00002 | 0.0001 mg/L | 0.00002 | 16.45% |
| QC value within limits for Cr 267.716 | | | Recovery = | Not calculated | | | |
| Cu 324.752† | 1093.3 | 0.0069 mg/L | | 0.00011 | 0.0069 mg/L | 0.00011 | 1.61% |
| QC value within limits for Cu 324.752 | | | Recovery = | Not calculated | | | |
| Fe 238.204† | 916.8 | 0.0083 mg/L | | 0.00034 | 0.0083 mg/L | 0.00034 | 4.13% |
| QC value within limits for Fe 238.204 | | | Recovery = | Not calculated | | | |
| Fe 234.349† | 274.5 | 0.0015 mg/L | | 0.00025 | 0.0015 mg/L | 0.00025 | 16.91% |
| QC value within limits for Fe 234.349 | | | Recovery = | Not calculated | | | |
| Mg 279.077† | 75.3 | 0.0030 mg/L | | 0.00035 | 0.0030 mg/L | 0.00035 | 11.38% |
| QC value within limits for Mg 279.077 | | | Recovery = | Not calculated | | | |
| Mn 257.610† | 75.2 | -0.0017 mg/L | | 0.00002 | -0.0017 mg/L | 0.00002 | 0.92% |
| QC value within limits for Mn 257.610 | | | Recovery = | Not calculated | | | |
| Mo 202.031† | 8.1 | 0.0008 mg/L | | 0.00042 | 0.0008 mg/L | 0.00042 | 50.72% |
| QC value within limits for Mo 202.031 | | | Recovery = | Not calculated | | | |
| Na 330.237† | 13.6 | 0.5586 mg/L | | 0.02557 | 0.5586 mg/L | 0.02557 | 4.58% |
| QC value within limits for Na 330.237 | | | Recovery = | Not calculated | | | |
| Ni 231.604† | -469.8 | -0.0103 mg/L | | 0.00096 | -0.0103 mg/L | 0.00096 | 9.28% |
| QC value less than the lower limit for Ni 231.604 | | | Recovery = | Not calculated | | | |
| Pb 220.353† | 7.1 | 0.0010 mg/L | | 0.00227 | 0.0010 mg/L | 0.00227 | 234.57% |
| QC value within limits for Pb 220.353 | | | Recovery = | Not calculated | | | |
| Sb 206.836† | -5.0 | -0.0017 mg/L | | 0.00108 | -0.0017 mg/L | 0.00108 | 63.36% |
| QC value within limits for Sb 206.836 | | | Recovery = | Not calculated | | | |
| Se 196.026† | 3.0 | 0.0066 mg/L | | 0.00209 | 0.0066 mg/L | 0.00209 | 31.60% |
| QC value within limits for Se 196.026 | | | Recovery = | Not calculated | | | |
| Sn 189.927† | -120.2 | -0.0480 mg/L | | 0.00317 | -0.0480 mg/L | 0.00317 | 6.60% |
| QC value within limits for Sn 189.927 | | | Recovery = | Not calculated | | | |
| Ti 337.279† | 95.0 | -0.0012 mg/L | | 0.00003 | -0.0012 mg/L | 0.00003 | 2.38% |
| QC value within limits for Ti 337.279 | | | Recovery = | Not calculated | | | |
| Tl 190.801† | -1.7 | 0.0003 mg/L | | 0.00213 | 0.0003 mg/L | 0.00213 | 647.70% |
| QC value within limits for Tl 190.801 | | | Recovery = | Not calculated | | | |
| V 292.402† | 62.1 | 0.0010 mg/L | | 0.00036 | 0.0010 mg/L | 0.00036 | 37.18% |
| QC value within limits for V 292.402 | | | Recovery = | Not calculated | | | |

Zn 213.857† 227.7 0.0007 mg/L 0.00003 0.0007 mg/L 0.00003 3.94%
 QC value within limits for Zn 213.857 Recovery = Not calculated
 QC Failed. Continue with analysis.

Sequence No.: 44

Autosampler Location: 106

Sample ID: ICSA

Date Collected: 8/14/2006 10:31:45 PM

Analyst:

Data Type: Original

Initial Sample Wt:

Initial Sample Vol:

Dilution:

Sample Prep Vol:

Replicate Data: ICSA

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. Units | Sample Conc. Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------------------|--------------------|---------------|
| 1 | Y 360.073 | 2042208.8 | 2042208.8 | 1.02 mg/L | | 22:33:33 |
| 1 | Ag 328.068† | 654.6 | 147.8 | 0.0013 mg/L | 0.0013 mg/L | 22:33:39 |
| 1 | Al 237.313† | 1705745.4 | 1664600.5 | 239.8 mg/L | 239.8 mg/L | 22:33:33 |
| 1 | As 188.979† | -15.0 | -5.4 | -0.0068 mg/L | -0.0068 mg/L | 22:33:59 |
| 1 | B 182.528† | -0.7 | 21.0 | 0.0257 mg/L | 0.0257 mg/L | 22:33:59 |
| 1 | Ba 233.527† | 908.4 | 670.0 | 0.0027 mg/L | 0.0027 mg/L | 22:33:59 |
| 1 | Be 313.107† | 603.3 | -2532.1 | -0.0003 mg/L | -0.0003 mg/L | 22:33:39 |
| 1 | Ca 315.886† | 26499810.2 | 25856629.1 | 235.3 mg/L | 235.3 mg/L | 22:33:26 |
| 1 | Cd 228.802† | 665.2 | 106.0 | 0.0003 mg/L | 0.0003 mg/L | 22:33:59 |
| 1 | Co 228.616† | -116.8 | 51.0 | -0.0006 mg/L | -0.0006 mg/L | 22:33:59 |
| 1 | Cr 267.716† | 1397.0 | -77.6 | 0.0041 mg/L | 0.0041 mg/L | 22:33:39 |
| 1 | Cu 324.752† | 2268.4 | 110.6 | 0.0023 mg/L | 0.0023 mg/L | 22:33:39 |
| 1 | Fe 238.204† | 9124007.9 | 8901321.1 | 85.26 mg/L | 85.26 mg/L | 22:33:26 |
| 1 | Fe 234.349† | 2816090.9 | 2747060.0 | 91.03 mg/L | 91.03 mg/L | 22:33:33 |
| 1 | Mg 279.077† | 3984240.7 | 3888306.4 | 236.9 mg/L | 236.9 mg/L | 22:33:33 |
| 1 | Mn 257.610† | 5044.5 | 3645.9 | 0.0055 mg/L | 0.0055 mg/L | 22:33:39 |
| 1 | Mo 202.031† | 8.4 | -72.2 | -0.0011 mg/L | -0.0011 mg/L | 22:33:59 |
| 1 | Na 330.237† | 1329.2 | -207.7 | 0.6219 mg/L | 0.6219 mg/L | 22:33:39 |
| 1 | Ni 231.604† | 3575.8 | -641.9 | -0.0144 mg/L | -0.0144 mg/L | 22:33:59 |
| 1 | Pb 220.353† | -96.2 | -141.2 | -0.0029 mg/L | -0.0029 mg/L | 22:33:59 |
| 1 | Sb 206.836† | 17.4 | -34.8 | -0.0111 mg/L | -0.0111 mg/L | 22:33:59 |
| 1 | Se 196.026† | -42.4 | -25.2 | -0.0455 mg/L | -0.0455 mg/L | 22:33:59 |
| 1 | Sn 189.927† | 71.8 | -119.7 | -0.0478 mg/L | -0.0478 mg/L | 22:33:59 |
| 1 | Ti 337.279† | 3549.6 | 3135.6 | 0.0043 mg/L | 0.0043 mg/L | 22:33:39 |
| 1 | Tl 190.801† | -47.5 | -28.3 | -0.0267 mg/L | -0.0267 mg/L | 22:33:59 |
| 1 | V 292.402† | 1136.2 | -1162.1 | -0.0057 mg/L | -0.0057 mg/L | 22:33:39 |
| 1 | Zn 213.857† | 3711.1 | 2572.0 | 0.0308 mg/L | 0.0308 mg/L | 22:33:59 |
| 2 | Y 360.073 | 2058890.1 | 2058890.1 | 1.03 mg/L | | 22:34:18 |
| 2 | Ag 328.068† | 697.1 | 183.7 | 0.0015 mg/L | 0.0015 mg/L | 22:34:24 |
| 2 | Al 237.313† | 1714952.5 | 1660026.7 | 239.1 mg/L | 239.1 mg/L | 22:34:18 |
| 2 | As 188.979† | -7.0 | 2.4 | 0.0058 mg/L | 0.0058 mg/L | 22:34:44 |
| 2 | B 182.528† | -3.5 | 18.4 | 0.0230 mg/L | 0.0230 mg/L | 22:34:44 |
| 2 | Ba 233.527† | 939.7 | 693.0 | 0.0029 mg/L | 0.0029 mg/L | 22:34:44 |
| 2 | Be 313.107† | 541.2 | -2597.0 | -0.0003 mg/L | -0.0003 mg/L | 22:34:24 |
| 2 | Ca 315.886† | 26414050.2 | 25564139.3 | 232.6 mg/L | 232.6 mg/L | 22:34:11 |
| 2 | Cd 228.802† | 643.0 | 79.2 | -0.0001 mg/L | -0.0001 mg/L | 22:34:44 |
| 2 | Co 228.616† | -136.0 | 33.4 | -0.0009 mg/L | -0.0009 mg/L | 22:34:44 |
| 2 | Cr 267.716† | 1344.7 | -139.3 | 0.0036 mg/L | 0.0036 mg/L | 22:34:24 |
| 2 | Cu 324.752† | 2272.7 | 96.8 | 0.0022 mg/L | 0.0022 mg/L | 22:34:24 |
| 2 | Fe 238.204† | 9097464.0 | 8803503.1 | 84.32 mg/L | 84.32 mg/L | 22:34:11 |
| 2 | Fe 234.349† | 2823524.1 | 2731991.7 | 90.53 mg/L | 90.53 mg/L | 22:34:18 |
| 2 | Mg 279.077† | 3994137.7 | 3866388.0 | 235.6 mg/L | 235.6 mg/L | 22:34:18 |
| 2 | Mn 257.610† | 5118.7 | 3677.9 | 0.0055 mg/L | 0.0055 mg/L | 22:34:24 |
| 2 | Mo 202.031† | 4.9 | -75.6 | -0.0015 mg/L | -0.0015 mg/L | 22:34:44 |
| 2 | Na 330.237† | 1411.8 | -138.2 | 0.7167 mg/L | 0.7167 mg/L | 22:34:24 |
| 2 | Ni 231.604† | 3610.1 | -637.0 | -0.0142 mg/L | -0.0142 mg/L | 22:34:44 |
| 2 | Pb 220.353† | -109.9 | -153.7 | -0.0047 mg/L | -0.0047 mg/L | 22:34:44 |
| 2 | Sb 206.836† | 34.2 | -18.6 | -0.0060 mg/L | -0.0060 mg/L | 22:34:44 |
| 2 | Se 196.026† | -37.5 | -20.1 | -0.0362 mg/L | -0.0362 mg/L | 22:34:44 |
| 2 | Sn 189.927† | 68.8 | -123.1 | -0.0494 mg/L | -0.0494 mg/L | 22:34:44 |
| 2 | Ti 337.279† | 3625.0 | 3180.5 | 0.0044 mg/L | 0.0044 mg/L | 22:34:24 |
| 2 | Tl 190.801† | -50.7 | -31.0 | -0.0295 mg/L | -0.0295 mg/L | 22:34:44 |
| 2 | V 292.402† | 1094.6 | -1211.4 | -0.0060 mg/L | -0.0060 mg/L | 22:34:24 |
| 2 | Zn 213.857† | 3716.4 | 2547.7 | 0.0305 mg/L | 0.0305 mg/L | 22:34:44 |

Mean Data: ICSA

| Analyte | Mean Corrected Intensity | Calib Conc. Units | Std.Dev. | Sample Conc. Units | Std.Dev. | RSD |
|---|--------------------------|-------------------|----------|--------------------|----------|---------|
| Y 360.073 | 2050549.5 | 1.03 mg/L | 0.006 | | | 0.58% |
| Ag 328.068† | 165.7 | 0.0014 mg/L | 0.00009 | 0.0014 mg/L | 0.00009 | 6.51% |
| QC value within limits for Ag 328.068 Recovery = Not calculated | | | | | | |
| Al 237.313† | 1662313.6 | 239.5 mg/L | 0.46 | 239.5 mg/L | 0.46 | 0.19% |
| QC value within limits for Al 237.313 Recovery = 95.79% | | | | | | |
| As 188.979† | -1.5 | -0.0005 mg/L | 0.00887 | -0.0005 mg/L | 0.00887 | >999.9% |
| QC value within limits for As 188.979 Recovery = Not calculated | | | | | | |
| B 182.528† | 19.7 | 0.0243 mg/L | 0.00194 | 0.0243 mg/L | 0.00194 | 7.98% |
| QC value within limits for B 182.528 Recovery = Not calculated | | | | | | |
| Ba 233.527† | 681.5 | 0.0028 mg/L | 0.00011 | 0.0028 mg/L | 0.00011 | 3.82% |
| QC value within limits for Ba 233.527 Recovery = Not calculated | | | | | | |
| Be 313.107† | -2564.6 | -0.0003 mg/L | 0.00001 | -0.0003 mg/L | 0.00001 | 3.38% |
| QC value within limits for Be 313.107 Recovery = Not calculated | | | | | | |
| Ca 315.886† | 25710384.2 | 234.0 mg/L | 1.88 | 234.0 mg/L | 1.88 | 0.80% |
| QC value within limits for Ca 315.886 Recovery = 93.58% | | | | | | |
| Cd 228.802† | 92.6 | 0.0001 mg/L | 0.00029 | 0.0001 mg/L | 0.00029 | 322.03% |
| QC value within limits for Cd 228.802 Recovery = Not calculated | | | | | | |
| Co 228.616† | 42.2 | -0.0007 mg/L | 0.00022 | -0.0007 mg/L | 0.00022 | 29.81% |
| QC value within limits for Co 228.616 Recovery = Not calculated | | | | | | |
| Cr 267.716† | -108.5 | 0.0039 mg/L | 0.00040 | 0.0039 mg/L | 0.00040 | 10.50% |
| QC value within limits for Cr 267.716 Recovery = Not calculated | | | | | | |
| Cu 324.752† | 103.7 | 0.0022 mg/L | 0.00005 | 0.0022 mg/L | 0.00005 | 2.05% |
| QC value within limits for Cu 324.752 Recovery = Not calculated | | | | | | |
| Fe 238.204† | 8852412.1 | 84.79 mg/L | 0.663 | 84.79 mg/L | 0.663 | 0.78% |
| QC value within limits for Fe 238.204 Recovery = 84.79% | | | | | | |
| Fe 234.349† | 2739525.9 | 90.78 mg/L | 0.353 | 90.78 mg/L | 0.353 | 0.39% |
| QC value within limits for Fe 234.349 Recovery = 90.78% | | | | | | |
| Mg 279.077† | 3877347.2 | 236.2 mg/L | 0.94 | 236.2 mg/L | 0.94 | 0.40% |
| QC value within limits for Mg 279.077 Recovery = 94.50% | | | | | | |
| Mn 257.610† | 3661.9 | 0.0055 mg/L | 0.00001 | 0.0055 mg/L | 0.00001 | 0.25% |
| QC value within limits for Mn 257.610 Recovery = Not calculated | | | | | | |
| Mo 202.031† | -73.9 | -0.0013 mg/L | 0.00028 | -0.0013 mg/L | 0.00028 | 21.06% |
| QC value within limits for Mo 202.031 Recovery = Not calculated | | | | | | |
| Na 330.237† | -173.0 | 0.6693 mg/L | 0.06708 | 0.6693 mg/L | 0.06708 | 10.02% |
| QC value within limits for Na 330.237 Recovery = Not calculated | | | | | | |
| Ni 231.604† | -639.5 | -0.0143 mg/L | 0.00008 | -0.0143 mg/L | 0.00008 | 0.58% |
| QC value within limits for Ni 231.604 Recovery = Not calculated | | | | | | |
| Pb 220.353† | -147.4 | -0.0038 mg/L | 0.00122 | -0.0038 mg/L | 0.00122 | 32.03% |
| QC value within limits for Pb 220.353 Recovery = Not calculated | | | | | | |
| Sb 206.836† | -26.7 | -0.0086 mg/L | 0.00362 | -0.0086 mg/L | 0.00362 | 42.31% |
| QC value within limits for Sb 206.836 Recovery = Not calculated | | | | | | |
| Se 196.026† | -22.7 | -0.0409 mg/L | 0.00661 | -0.0409 mg/L | 0.00661 | 16.19% |
| QC value within limits for Se 196.026 Recovery = Not calculated | | | | | | |
| Sn 189.927† | -121.4 | -0.0486 mg/L | 0.00113 | -0.0486 mg/L | 0.00113 | 2.34% |
| QC value within limits for Sn 189.927 Recovery = Not calculated | | | | | | |
| Ti 337.279† | 3158.1 | 0.0044 mg/L | 0.00006 | 0.0044 mg/L | 0.00006 | 1.32% |
| QC value within limits for Ti 337.279 Recovery = Not calculated | | | | | | |
| Tl 190.801† | -29.7 | -0.0281 mg/L | 0.00196 | -0.0281 mg/L | 0.00196 | 6.96% |
| QC value within limits for Tl 190.801 Recovery = Not calculated | | | | | | |
| V 292.402† | -1186.7 | -0.0058 mg/L | 0.00019 | -0.0058 mg/L | 0.00019 | 3.30% |
| QC value within limits for V 292.402 Recovery = Not calculated | | | | | | |
| Zn 213.857† | 2559.9 | 0.0306 mg/L | 0.00022 | 0.0306 mg/L | 0.00022 | 0.72% |
| QC value within limits for Zn 213.857 Recovery = Not calculated | | | | | | |

All analyte(s) passed QC.

Sequence No.: 45

Sample ID: ICSAB

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 105

Date Collected: 8/14/2006 10:36:22 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: ICSAB

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. Units | Sample Conc. Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------------------|--------------------|---------------|
| 1 | Y 360.073 | 2019618.9 | 2019618.9 | 1.01 mg/L | | 22:38:10 |
| 1 | Ag 328.068† | 142632.6 | 140234.7 | 0.5056 mg/L | 0.5056 mg/L | 22:38:16 |

| | | | | | | |
|---|-------------|------------|------------|--------------|--------------|----------|
| 1 | Al 237.313† | 1678901.7 | 1656731.5 | 238.7 mg/L | 238.7 mg/L | 22:38:10 |
| 1 | As 188.979† | -3.6 | 5.7 | 0.0108 mg/L | 0.0108 mg/L | 22:38:36 |
| 1 | B 182.528† | 4.0 | 25.7 | 0.0305 mg/L | 0.0305 mg/L | 22:38:36 |
| 1 | Ba 233.527† | 37607.5 | 36888.3 | 0.2409 mg/L | 0.2409 mg/L | 22:38:16 |
| 1 | Be 313.107† | 1114910.1 | 1096883.5 | 0.2461 mg/L | 0.2461 mg/L | 22:38:10 |
| 1 | Ca 315.886† | 26257193.2 | 25906464.7 | 235.7 mg/L | 235.7 mg/L | 22:38:02 |
| 1 | Cd 228.802† | 31589.5 | 30624.0 | 0.4399 mg/L | 0.4399 mg/L | 22:38:16 |
| 1 | Co 228.616† | 12842.0 | 12835.3 | 0.2247 mg/L | 0.2247 mg/L | 22:38:16 |
| 1 | Cr 267.716† | 28691.6 | 26867.3 | 0.2429 mg/L | 0.2429 mg/L | 22:38:16 |
| 1 | Cu 324.752† | 52016.4 | 49218.2 | 0.2351 mg/L | 0.2351 mg/L | 22:38:16 |
| 1 | Fe 238.204† | 9045576.2 | 8923514.0 | 85.47 mg/L | 85.47 mg/L | 22:38:02 |
| 1 | Fe 234.349† | 2763184.6 | 2725594.8 | 90.31 mg/L | 90.31 mg/L | 22:38:10 |
| 1 | Mg 279.077† | 3904842.0 | 3853451.7 | 234.8 mg/L | 234.8 mg/L | 22:38:10 |
| 1 | Mn 257.610† | 209566.3 | 205488.4 | 0.2386 mg/L | 0.2386 mg/L | 22:38:16 |
| 1 | Mo 202.031† | -0.1 | -80.4 | -0.0019 mg/L | -0.0019 mg/L | 22:38:36 |
| 1 | Na 330.237† | 1324.2 | -198.0 | 0.6025 mg/L | 0.6025 mg/L | 22:38:16 |
| 1 | Ni 231.604† | 23457.0 | 19012.5 | 0.4496 mg/L | 0.4496 mg/L | 22:38:16 |
| 1 | Pb 220.353† | 3346.3 | 3254.2 | 0.4563 mg/L | 0.4563 mg/L | 22:38:36 |
| 1 | Sb 206.836† | 26.1 | -26.0 | -0.0113 mg/L | -0.0113 mg/L | 22:38:36 |
| 1 | Se 196.026† | -44.3 | -27.6 | -0.0499 mg/L | -0.0499 mg/L | 22:38:36 |
| 1 | Sn 189.927† | 67.5 | -123.1 | -0.0494 mg/L | -0.0494 mg/L | 22:38:36 |
| 1 | Ti 337.279† | 3506.3 | 3131.6 | 0.0043 mg/L | 0.0043 mg/L | 22:38:16 |
| 1 | Tl 190.801† | -47.0 | -28.3 | -0.0275 mg/L | -0.0275 mg/L | 22:38:36 |
| 1 | V 292.402† | 45492.0 | 42613.1 | 0.2337 mg/L | 0.2337 mg/L | 22:38:16 |
| 1 | Zn 213.857† | 38727.6 | 37160.8 | 0.4716 mg/L | 0.4716 mg/L | 22:38:16 |
| 2 | Y 360.073 | 2027740.4 | 2027740.4 | 1.02 mg/L | | 22:38:56 |
| 2 | Ag 328.068† | 140440.4 | 137516.9 | 0.4959 mg/L | 0.4959 mg/L | 22:39:02 |
| 2 | Al 237.313† | 1685251.1 | 1656336.6 | 238.6 mg/L | 238.6 mg/L | 22:38:56 |
| 2 | As 188.979† | -8.7 | 0.7 | 0.0028 mg/L | 0.0028 mg/L | 22:39:22 |
| 2 | B 182.528† | -7.5 | 14.3 | 0.0187 mg/L | 0.0187 mg/L | 22:39:22 |
| 2 | Ba 233.527† | 37031.4 | 36173.6 | 0.2362 mg/L | 0.2362 mg/L | 22:39:02 |
| 2 | Be 313.107† | 1118329.4 | 1095837.8 | 0.2458 mg/L | 0.2458 mg/L | 22:38:56 |
| 2 | Ca 315.886† | 26074140.2 | 25622823.6 | 233.2 mg/L | 233.2 mg/L | 22:38:48 |
| 2 | Cd 228.802† | 31208.2 | 30124.6 | 0.4327 mg/L | 0.4327 mg/L | 22:39:02 |
| 2 | Co 228.616† | 12675.9 | 12621.3 | 0.2209 mg/L | 0.2209 mg/L | 22:39:02 |
| 2 | Cr 267.716† | 28354.8 | 26422.9 | 0.2390 mg/L | 0.2390 mg/L | 22:39:02 |
| 2 | Cu 324.752† | 51457.5 | 48463.4 | 0.2315 mg/L | 0.2315 mg/L | 22:39:02 |
| 2 | Fe 238.204† | 8989307.7 | 8832475.2 | 84.60 mg/L | 84.60 mg/L | 22:38:48 |
| 2 | Fe 234.349† | 2769823.8 | 2721199.9 | 90.16 mg/L | 90.16 mg/L | 22:38:56 |
| 2 | Mg 279.077† | 3915018.6 | 3848021.5 | 234.5 mg/L | 234.5 mg/L | 22:38:56 |
| 2 | Mn 257.610† | 206782.6 | 201924.8 | 0.2344 mg/L | 0.2344 mg/L | 22:39:02 |
| 2 | Mo 202.031† | -11.8 | -91.9 | -0.0031 mg/L | -0.0031 mg/L | 22:39:22 |
| 2 | Na 330.237† | 1343.4 | -184.5 | 0.6212 mg/L | 0.6212 mg/L | 22:39:02 |
| 2 | Ni 231.604† | 23278.1 | 18744.0 | 0.4433 mg/L | 0.4433 mg/L | 22:39:02 |
| 2 | Pb 220.353† | 3345.6 | 3240.4 | 0.4544 mg/L | 0.4544 mg/L | 22:39:22 |
| 2 | Sb 206.836† | 38.3 | -14.2 | -0.0075 mg/L | -0.0075 mg/L | 22:39:22 |
| 2 | Se 196.026† | -42.7 | -25.8 | -0.0466 mg/L | -0.0466 mg/L | 22:39:22 |
| 2 | Sn 189.927† | 61.3 | -129.5 | -0.0523 mg/L | -0.0523 mg/L | 22:39:22 |
| 2 | Ti 337.279† | 3422.4 | 3035.3 | 0.0041 mg/L | 0.0041 mg/L | 22:39:02 |
| 2 | Tl 190.801† | -51.8 | -32.9 | -0.0321 mg/L | -0.0321 mg/L | 22:39:22 |
| 2 | V 292.402† | 44844.6 | 41797.1 | 0.2293 mg/L | 0.2293 mg/L | 22:39:02 |
| 2 | Zn 213.857† | 38358.8 | 36645.4 | 0.4650 mg/L | 0.4650 mg/L | 22:39:02 |

Mean Data: ICSAB

| Analyte | Mean Corrected Intensity | Calib Conc. Units | Std.Dev. | Sample Conc. Units | Std.Dev. | RSD |
|---|--------------------------|-------------------|----------|--------------------|----------|--------|
| Y 360.073 | 2023679.6 | 1.02 mg/L | 0.003 | | | 0.28% |
| Ag 328.068† | 138875.8 | 0.5008 mg/L | 0.00692 | 0.5008 mg/L | 0.00692 | 1.38% |
| QC value within limits for Ag 328.068 Recovery = 100.15% | | | | | | |
| Al 237.313† | 1656534.0 | 238.6 mg/L | 0.04 | 238.6 mg/L | 0.04 | 0.02% |
| QC value within limits for Al 237.313 Recovery = 95.45% | | | | | | |
| As 188.979† | 3.2 | 0.0068 mg/L | 0.00566 | 0.0068 mg/L | 0.00566 | 83.66% |
| QC value within limits for As 188.979 Recovery = Not calculated | | | | | | |
| B 182.528† | 20.0 | 0.0246 mg/L | 0.00834 | 0.0246 mg/L | 0.00834 | 33.85% |
| QC value within limits for B 182.528 Recovery = Not calculated | | | | | | |
| Ba 233.527† | 36531.0 | 0.2385 mg/L | 0.00332 | 0.2385 mg/L | 0.00332 | 1.39% |
| QC value within limits for Ba 233.527 Recovery = 95.42% | | | | | | |
| Be 313.107† | 1096360.6 | 0.2459 mg/L | 0.00017 | 0.2459 mg/L | 0.00017 | 0.07% |
| QC value within limits for Be 313.107 Recovery = 98.37% | | | | | | |
| Ca 315.886† | 25764644.2 | 234.4 mg/L | 1.83 | 234.4 mg/L | 1.83 | 0.78% |

| | | | | | | |
|------------------------------------|---|---------------------------|--------------|---------|--------------|----------------|
| | QC value within limits for Ca 315.886 | Recovery = 93.78% | | | | |
| Cd | 228.802† | 30374.3 | 0.4363 mg/L | 0.00507 | 0.4363 mg/L | 0.00507 1.16% |
| | QC value within limits for Cd 228.802 | Recovery = 87.26% | | | | |
| Co | 228.616† | 12728.3 | 0.2228 mg/L | 0.00267 | 0.2228 mg/L | 0.00267 1.20% |
| | QC value within limits for Co 228.616 | Recovery = 89.13% | | | | |
| Cr | 267.716† | 26645.1 | 0.2409 mg/L | 0.00279 | 0.2409 mg/L | 0.00279 1.16% |
| | QC value within limits for Cr 267.716 | Recovery = 96.37% | | | | |
| Cu | 324.752† | 48840.8 | 0.2333 mg/L | 0.00253 | 0.2333 mg/L | 0.00253 1.08% |
| | QC value within limits for Cu 324.752 | Recovery = 93.31% | | | | |
| Fe | 238.204† | 8877994.6 | 85.03 mg/L | 0.617 | 85.03 mg/L | 0.617 0.73% |
| | QC value within limits for Fe 238.204 | Recovery = 85.03% | | | | |
| Fe | 234.349† | 2723397.3 | 90.24 mg/L | 0.103 | 90.24 mg/L | 0.103 0.11% |
| | QC value within limits for Fe 234.349 | Recovery = 90.24% | | | | |
| Mg | 279.077† | 3850736.6 | 234.6 mg/L | 0.23 | 234.6 mg/L | 0.23 0.10% |
| | QC value within limits for Mg 279.077 | Recovery = 93.85% | | | | |
| Mn | 257.610† | 203706.6 | 0.2365 mg/L | 0.00291 | 0.2365 mg/L | 0.00291 1.23% |
| | QC value within limits for Mn 257.610 | Recovery = 94.60% | | | | |
| Mo | 202.031† | -86.2 | -0.0025 mg/L | 0.00086 | -0.0025 mg/L | 0.00086 34.61% |
| | QC value within limits for Mo 202.031 | Recovery = Not calculated | | | | |
| Na | 330.237† | -191.3 | 0.6118 mg/L | 0.01326 | 0.6118 mg/L | 0.01326 2.17% |
| | QC value within limits for Na 330.237 | Recovery = Not calculated | | | | |
| Ni | 231.604† | 18878.3 | 0.4465 mg/L | 0.00448 | 0.4465 mg/L | 0.00448 1.00% |
| | QC value within limits for Ni 231.604 | Recovery = 89.29% | | | | |
| Pb | 220.353† | 3247.3 | 0.4554 mg/L | 0.00133 | 0.4554 mg/L | 0.00133 0.29% |
| | QC value within limits for Pb 220.353 | Recovery = 91.07% | | | | |
| Sb | 206.836† | -20.1 | -0.0094 mg/L | 0.00269 | -0.0094 mg/L | 0.00269 28.65% |
| | QC value within limits for Sb 206.836 | Recovery = Not calculated | | | | |
| Se | 196.026† | -26.7 | -0.0483 mg/L | 0.00236 | -0.0483 mg/L | 0.00236 4.89% |
| | QC value within limits for Se 196.026 | Recovery = Not calculated | | | | |
| Sn | 189.927† | -126.3 | -0.0509 mg/L | 0.00208 | -0.0509 mg/L | 0.00208 4.10% |
| | QC value less than the lower limit for Sn 189.927 | Recovery = Not calculated | | | | |
| Ti | 337.279† | 3083.5 | 0.0042 mg/L | 0.00012 | 0.0042 mg/L | 0.00012 2.93% |
| | QC value within limits for Ti 337.279 | Recovery = Not calculated | | | | |
| Tl | 190.801† | -30.6 | -0.0298 mg/L | 0.00327 | -0.0298 mg/L | 0.00327 10.98% |
| | QC value within limits for Tl 190.801 | Recovery = Not calculated | | | | |
| V | 292.402† | 42205.1 | 0.2315 mg/L | 0.00315 | 0.2315 mg/L | 0.00315 1.36% |
| | QC value within limits for V 292.402 | Recovery = 92.60% | | | | |
| Zn | 213.857† | 36903.1 | 0.4683 mg/L | 0.00465 | 0.4683 mg/L | 0.00465 0.99% |
| | QC value within limits for Zn 213.857 | Recovery = 93.67% | | | | |
| QC Failed. Continue with analysis. | | | | | | |

Sequence No.: 46
 Sample ID: WASH
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 0
 Date Collected: 8/14/2006 10:41:00 PM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Replicate Data: WASH

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. Units | Sample Conc. Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------------------|--------------------|---------------|
| 1 | Y 360.073 | 2069337.1 | 2069337.1 | 1.04 mg/L | | 22:42:27 |
| 1 | Ag 328.068† | 586.6 | 74.0 | 0.0011 mg/L | 0.0011 mg/L | 22:42:32 |
| 1 | Al 237.313† | -82.0 | 197.0 | 0.0353 mg/L | 0.0353 mg/L | 22:42:52 |
| 1 | As 188.979† | -12.0 | -2.3 | -0.0019 mg/L | -0.0019 mg/L | 22:42:52 |
| 1 | B 182.528† | -21.1 | 1.4 | 0.0053 mg/L | 0.0053 mg/L | 22:42:52 |
| 1 | Ba 233.527† | 257.6 | 31.7 | -0.0015 mg/L | -0.0015 mg/L | 22:42:52 |
| 1 | Be 313.107† | 3543.5 | 291.4 | 0.0000 mg/L | 0.0000 mg/L | 22:42:27 |
| 1 | Ca 315.886† | 2135.2 | 2375.2 | 0.0096 mg/L | 0.0096 mg/L | 22:42:32 |
| 1 | Cd 228.802† | 639.4 | 72.6 | 0.0017 mg/L | 0.0017 mg/L | 22:42:52 |
| 1 | Co 228.616† | -146.0 | 24.3 | -0.0011 mg/L | -0.0011 mg/L | 22:42:52 |
| 1 | Cr 267.716† | 1546.5 | 48.5 | 0.0007 mg/L | 0.0007 mg/L | 22:42:32 |
| 1 | Cu 324.752† | 3805.3 | 1561.5 | 0.0092 mg/L | 0.0092 mg/L | 22:42:32 |
| 1 | Fe 238.204† | 6256.8 | 4898.1 | 0.0465 mg/L | 0.0465 mg/L | 22:42:32 |
| 1 | Fe 234.349† | 2150.1 | 1423.2 | 0.0393 mg/L | 0.0393 mg/L | 22:42:52 |
| 1 | Mg 279.077† | -438.9 | 393.1 | 0.0224 mg/L | 0.0224 mg/L | 22:42:32 |
| 1 | Mn 257.610† | 1885.0 | 539.0 | -0.0012 mg/L | -0.0012 mg/L | 22:42:32 |
| 1 | Mo 202.031† | 92.9 | 9.1 | 0.0009 mg/L | 0.0009 mg/L | 22:42:52 |
| 1 | Na 330.237† | 1733.6 | 164.7 | 0.7692 mg/L | 0.7692 mg/L | 22:42:32 |
| 1 | Ni 231.604† | 5227.3 | 902.6 | 0.0221 mg/L | 0.0221 mg/L | 22:42:32 |

| | | | | | | |
|---|-------------|-----------|-----------|--------------|--------------|----------|
| 1 | Pb 220.353† | 51.1 | 1.9 | 0.0003 mg/L | 0.0003 mg/L | 22:42:52 |
| 1 | Sb 206.836† | 43.9 | -9.5 | -0.0031 mg/L | -0.0031 mg/L | 22:42:52 |
| 1 | Se 196.026† | -17.6 | -0.8 | -0.0004 mg/L | -0.0004 mg/L | 22:42:52 |
| 1 | Sn 189.927† | 77.0 | -115.6 | -0.0459 mg/L | -0.0459 mg/L | 22:42:52 |
| 1 | Ti 337.279† | 929.2 | 567.0 | -0.0003 mg/L | -0.0003 mg/L | 22:42:32 |
| 1 | Tl 190.801† | -16.7 | 1.9 | 0.0040 mg/L | 0.0040 mg/L | 22:42:52 |
| 1 | V 292.402† | 2452.0 | 90.4 | 0.0011 mg/L | 0.0011 mg/L | 22:42:32 |
| 1 | Zn 213.857† | 1898.7 | 779.3 | 0.0075 mg/L | 0.0075 mg/L | 22:42:52 |
| 2 | Y 360.073 | 2031999.0 | 2031999.0 | 1.02 mg/L | | 22:42:58 |
| 2 | Ag 328.068† | 600.8 | 98.2 | 0.0012 mg/L | 0.0012 mg/L | 22:43:03 |
| 2 | Al 237.313† | -115.3 | 162.9 | 0.0304 mg/L | 0.0304 mg/L | 22:43:23 |
| 2 | As 188.979† | -11.3 | -1.8 | -0.0011 mg/L | -0.0011 mg/L | 22:43:23 |
| 2 | B 182.528† | -18.2 | 3.9 | 0.0078 mg/L | 0.0078 mg/L | 22:43:23 |
| 2 | Ba 233.527† | 257.7 | 36.3 | -0.0014 mg/L | -0.0014 mg/L | 22:43:23 |
| 2 | Be 313.107† | 3468.9 | 280.9 | 0.0000 mg/L | 0.0000 mg/L | 22:42:58 |
| 2 | Ca 315.886† | 1974.5 | 2255.3 | 0.0085 mg/L | 0.0085 mg/L | 22:43:03 |
| 2 | Cd 228.802† | 633.1 | 77.7 | 0.0018 mg/L | 0.0018 mg/L | 22:43:23 |
| 2 | Co 228.616† | -160.4 | 7.7 | -0.0014 mg/L | -0.0014 mg/L | 22:43:23 |
| 2 | Cr 267.716† | 1539.7 | 69.2 | 0.0009 mg/L | 0.0009 mg/L | 22:43:03 |
| 2 | Cu 324.752† | 3729.4 | 1554.3 | 0.0091 mg/L | 0.0091 mg/L | 22:43:03 |
| 2 | Fe 238.204† | 5977.2 | 4734.6 | 0.0449 mg/L | 0.0449 mg/L | 22:43:03 |
| 2 | Fe 234.349† | 2048.3 | 1361.4 | 0.0372 mg/L | 0.0372 mg/L | 22:43:23 |
| 2 | Mg 279.077† | -417.4 | 406.5 | 0.0232 mg/L | 0.0232 mg/L | 22:43:03 |
| 2 | Mn 257.610† | 1842.7 | 530.9 | -0.0012 mg/L | -0.0012 mg/L | 22:43:03 |
| 2 | Mo 202.031† | 90.2 | 8.1 | 0.0008 mg/L | 0.0008 mg/L | 22:43:23 |
| 2 | Na 330.237† | 1734.1 | 195.9 | 0.8127 mg/L | 0.8127 mg/L | 22:43:03 |
| 2 | Ni 231.604† | 5217.8 | 985.8 | 0.0241 mg/L | 0.0241 mg/L | 22:43:03 |
| 2 | Pb 220.353† | 60.8 | 12.3 | 0.0017 mg/L | 0.0017 mg/L | 22:43:23 |
| 2 | Sb 206.836† | 53.6 | 0.8 | 0.0001 mg/L | 0.0001 mg/L | 22:43:23 |
| 2 | Se 196.026† | -18.4 | -1.9 | -0.0024 mg/L | -0.0024 mg/L | 22:43:23 |
| 2 | Sn 189.927† | 71.7 | -119.4 | -0.0477 mg/L | -0.0477 mg/L | 22:43:23 |
| 2 | Ti 337.279† | 898.4 | 553.2 | -0.0004 mg/L | -0.0004 mg/L | 22:43:03 |
| 2 | Tl 190.801† | -12.9 | 5.4 | 0.0075 mg/L | 0.0075 mg/L | 22:43:23 |
| 2 | V 292.402† | 2398.9 | 81.7 | 0.0011 mg/L | 0.0011 mg/L | 22:43:03 |
| 2 | Zn 213.857† | 1847.3 | 762.5 | 0.0073 mg/L | 0.0073 mg/L | 22:43:23 |

Mean Data: WASH

| Analyte | Mean Corrected Intensity | Conc. | Calib Units | Std.Dev. | Conc. Units | Sample Std.Dev. | RSD |
|-------------|--------------------------|---------|-------------|----------|--------------|-----------------|---------|
| Y 360.073 | 2050668.0 | 1.03 | mg/L | 0.013 | | | 1.29% |
| Ag 328.068† | 86.1 | 0.0011 | mg/L | 0.00006 | 0.0011 mg/L | 0.00006 | 5.51% |
| Al 237.313† | 180.0 | 0.0328 | mg/L | 0.00348 | 0.0328 mg/L | 0.00348 | 10.60% |
| As 188.979† | -2.1 | -0.0015 | mg/L | 0.00052 | -0.0015 mg/L | 0.00052 | 34.92% |
| B 182.528† | 2.7 | 0.0066 | mg/L | 0.00181 | 0.0066 mg/L | 0.00181 | 27.50% |
| Ba 233.527† | 34.0 | -0.0015 | mg/L | 0.00002 | -0.0015 mg/L | 0.00002 | 1.48% |
| Be 313.107† | 286.1 | 0.0000 | mg/L | 0.00000 | 0.0000 mg/L | 0.00000 | 5.50% |
| Ca 315.886† | 2315.2 | 0.0091 | mg/L | 0.00077 | 0.0091 mg/L | 0.00077 | 8.48% |
| Cd 228.802† | 75.2 | 0.0017 | mg/L | 0.00005 | 0.0017 mg/L | 0.00005 | 2.89% |
| Co 228.616† | 16.0 | -0.0012 | mg/L | 0.00021 | -0.0012 mg/L | 0.00021 | 17.30% |
| Cr 267.716† | 58.8 | 0.0008 | mg/L | 0.00013 | 0.0008 mg/L | 0.00013 | 16.19% |
| Cu 324.752† | 1557.9 | 0.0091 | mg/L | 0.00002 | 0.0091 mg/L | 0.00002 | 0.26% |
| Fe 238.204† | 4816.3 | 0.0457 | mg/L | 0.00111 | 0.0457 mg/L | 0.00111 | 2.42% |
| Fe 234.349† | 1392.3 | 0.0382 | mg/L | 0.00146 | 0.0382 mg/L | 0.00146 | 3.82% |
| Mg 279.077† | 399.8 | 0.0228 | mg/L | 0.00058 | 0.0228 mg/L | 0.00058 | 2.53% |
| Mn 257.610† | 535.0 | -0.0012 | mg/L | 0.00001 | -0.0012 mg/L | 0.00001 | 0.58% |
| Mo 202.031† | 8.6 | 0.0009 | mg/L | 0.00007 | 0.0009 mg/L | 0.00007 | 8.07% |
| Na 330.237† | 180.3 | 0.7910 | mg/L | 0.03078 | 0.7910 mg/L | 0.03078 | 3.89% |
| Ni 231.604† | 944.2 | 0.0231 | mg/L | 0.00139 | 0.0231 mg/L | 0.00139 | 6.02% |
| Pb 220.353† | 7.1 | 0.0010 | mg/L | 0.00099 | 0.0010 mg/L | 0.00099 | 100.53% |
| Sb 206.836† | -4.4 | -0.0015 | mg/L | 0.00231 | -0.0015 mg/L | 0.00231 | 153.53% |
| Se 196.026† | -1.3 | -0.0014 | mg/L | 0.00141 | -0.0014 mg/L | 0.00141 | 102.28% |
| Sn 189.927† | -117.5 | -0.0468 | mg/L | 0.00125 | -0.0468 mg/L | 0.00125 | 2.68% |
| Ti 337.279† | 560.1 | -0.0004 | mg/L | 0.00002 | -0.0004 mg/L | 0.00002 | 4.90% |
| Tl 190.801† | 3.7 | 0.0058 | mg/L | 0.00250 | 0.0058 mg/L | 0.00250 | 43.39% |
| V 292.402† | 86.1 | 0.0011 | mg/L | 0.00003 | 0.0011 mg/L | 0.00003 | 2.94% |
| Zn 213.857† | 770.9 | 0.0074 | mg/L | 0.00016 | 0.0074 mg/L | 0.00016 | 2.18% |

**ESS Laboratory
ICP Data Review Checklist**

| SIF: 081406 MB | Date Run: 8/14/06 | | |
|---|-------------------|-----------|------------|
| Method: Everything - DV | Y-IS: 3249617.8 | | |
| Project Number(s): 08238-01, 236 X10 236 X10, 236 TX10, 239 X5 Rea, 251 | SOP NO. 30 6010B | | |
| Review Item | Yes (X) | No (X) | N/A (X) |
| 1. Does the daily standard curve consist of a Calibration Blank and the required minimum number of calibration standards and is $R^2 > 0.995$ for all elements? | + | | |
| 2. Is the mid-point initial calibration standard reanalyzed immediately after calibration and results within QC limits? ($\pm 5\%$ for 200.7, 10% for 6010B) | + | | |
| 3. Are interference check standards analyzed at the beginning of each analytical run and within QC limits? | + | | |
| 4. Is the ICV from a second source and is its percent within QC limits ($\pm 10\%$ and $\%RPD < 5$)? | + | | |
| 5. Is the CRI standard 20% of the true value? | + | | |
| 6. Are the CCVs analyzed at required frequency and all parameters within QC limits? ($\pm 10\%$) | | + | |
| 7. Are the CCB standards analyzed at required frequency and at the end of the analytical sequence and are all parameters within QC limits? ($< MRL$) | | + | |
| 8. Is the method blank run at the desired frequency and is its concentration for target analytes less than the MRL? | + | | |
| 9. Is the Laboratory Control Sample run at the desired frequency and is the percent recovery within QC limits? ($\pm 15\%$ for 200.7, $+20\%$ for 6010B) | + | | |
| 10. Is the Matrix Duplicate run at the desired frequency and is the RPD within QC limits? ($\pm 20\%$ for aqueous and $+ 35\%$ for soil samples/ All USACE/Navy samples $< 25\%$) | + | | |
| 11. Is the matrix spike run at the desired frequency and is the percent recovery /RPD within QC limits? (75-125%) | | + | |
| 12. Is a Serial Dilution Analysis performed at the desired frequency and within QC limits? ($\pm 10\%$) | | + | |
| 13. Are post-digestion spikes analyzed at the desired frequency and within QC limits? (85-115% for 200.7, 75-125% for 6010B) | + | | |
| 14. Are all samples with concentrations greater than the linear dynamic range diluted and reanalyzed? | + | | |
| 15. Are all sample IDs and units checked for transcription errors? | + | | |
| 16. Are all nonconformances included and noted? | + | | |
| 17. Is the correct methodology used for sample prep and analysis? | + | | |
| 18. Are all sample holding times met? | + | | |
| 19. Did analyst sign/date the appropriate print outs and report sheets? | + | | |

Comments on any "No" response:

CCVs /CCBs out for Cu, Zn due to carry over & high kites
 BHL148-1052: As, Cu, Pb, Sb, Se -SDZ: As, Zn

Analyst: SD Date: 8/15/06 2nd Level Review: SP Date: 8/15/06

Page _____

Control 30.0007-0603A

| Seq. | Loc. | Sample ID |
|------|------|-------------------|
| 1 | 1 | Calib Blank 1 |
| 2 | 2 | Calib Std 1 |
| 3 | 3 | Calib Std 2 |
| 4 | 4 | Calib Std 3 |
| 5 | 3 | CCV |
| 6 | 1 | ICCB |
| 7 | 9 | BH61418-BLK1 |
| 8 | 10 | BH61418-BS1 |
| 9 | 11 | BH61418-BSD1 |
| 10 | 12 | BH61418-SRM1 |
| 11 | 13 | BH61418-SRM2 |
| 12 | 14 | 0608238-01 |
| 13 | 15 | 0608248-01 |
| 14 | 16 | 0608248-02 |
| 15 | 17 | 0608248-03 |
| 16 | 18 | 0608248-04 |
| 17 | 3 | CCV - Cu, Zn |
| 18 | 1 | ICCB - Cu, Zn |
| 19 | 19 | 0608248-05 |
| 20 | 20 | 0608248-06 |
| 21 | 21 | 0608248-07 |
| 22 | 22 | 0608248-08 |
| 23 | 23 | BH61418-DUP1 |
| 24 | 24 | BH61418-MS1 |
| 25 | 25 | BH61418-SD1 |
| 26 | 26 | BH61418-PDS1 |
| 27 | 27 | 0608248-09 |
| 28 | 28 | 0608248-10 |
| 29 | 3 | CCV - Cu |
| 30 | 1 | ICCB - Cu |
| 31 | 29 | 0608248-11 |
| 32 | 30 | BH61418-DUP2 |
| 33 | 31 | BH61418-MS2 |
| 34 | 32 | BH61418-SD2 |
| 35 | 33 | BH61418-PDS2 |
| 36 | 34 | 0608236-01TCLPX10 |
| 37 | 35 | 0608236-01X10 |
| 38 | 36 | 0608239-01X5 |
| 39 | 37 | BH61201-DUP2X5 |
| 40 | 38 | BH61201-MS2X5 |
| 41 | 3 | CCV ✓ |
| 42 | 1 | ICCB ✓ |
| 43 | 39 | BH61201-SD2X25 |
| 44 | 40 | BH61201-PDS2X5 |
| 45 | 3 | CCV - Zn |
| 46 | 1 | ICCB |
| 47 | 160 | ICSA - Cu, Zn |
| 48 | 159 | ICSAB |
| 49 | 0 | WASH |

Ag: 0.005

As: 0.02

Ba: 0.01

Be: 0.001

Cd: 0.005

Cu: 0.01

Cu: 0.01

Ni: 0.02

Pb: 0.01

Sb: 0.02














Se: 0.02

Tl: GFAA

Zn: 0.01

Analytical Sequence

Method : Everything-DV

| Seq. | Loc. | | Sample ID |
|------|------|---|---------------|
| 1 | 1 |  | Calib Blank 1 |
| 2 | 2 |  | Calib Std 1 |
| 3 | 3 |  | Calib Std 2 |
| 4 | 4 |  | Calib Std 3 |
| 5 | 3 |  | STD2 |
| 6 | 5 |  | ICV |
| 7 | 1 |  | ICCB |
| 8 | 6 |  | CRI1 |
| 9 | 7 |  | CRI2 |
| 10 | 8 |  | CRI3 |
| 11 | 160 |  | ICSA |
| 12 | 159 |  | ICSAB |
| 13 | 0 |  | wash |

Align View XY Axial for analyte Mn 257.618

| X-position | Y-position | Intensity |
|------------|------------|-----------|
| -2.0 | 15.0 | 286205.4 |
| -1.6 | 15.0 | 398012.3 |
| -1.2 | 15.0 | 526217.7 |
| -0.8 | 15.0 | 596899.3 |
| -0.4 | 15.0 | 692264.2 |
| 0.0 | 15.0 | 768795.1 |
| 0.4 | 15.0 | 765083.0 |
| 0.8 | 15.0 | 663863.6 |
| 1.2 | 15.0 | 567665.5 |
| 1.6 | 15.0 | 433663.5 |
| 2.0 | 15.0 | 320801.9 |
| 0.0 | 10.0 | 8344.6 |
| 0.0 | 10.5 | 23429.8 |
| 0.0 | 11.0 | 38371.9 |
| 0.0 | 11.5 | 59335.9 |
| 0.0 | 12.0 | 96504.1 |
| 0.0 | 12.5 | 205573.5 |
| 0.0 | 13.0 | 299731.9 |
| 0.0 | 13.5 | 418811.9 |
| 0.0 | 14.0 | 526862.7 |
| 0.0 | 14.5 | 733249.8 |
| 0.0 | 15.0 | 767792.5 |
| 0.0 | 15.5 | 751920.0 |
| 0.0 | 16.0 | 662399.7 |
| 0.0 | 16.5 | 447958.2 |
| 0.0 | 17.0 | 335287.2 |
| 0.0 | 17.5 | 242268.0 |
| 0.0 | 18.0 | 165293.8 |
| 0.0 | 18.5 | 110993.0 |
| 0.0 | 19.0 | 29798.5 |
| 0.0 | 19.5 | 13211.0 |
| 0.0 | 20.0 | 5653.2 |
| -0.8 | 15.0 | 601374.6 |
| -0.4 | 15.0 | 698377.2 |
| 0.0 | 15.0 | 776261.1 |
| 0.4 | 15.0 | 728388.8 |
| 0.8 | 15.0 | 680399.1 |
| 0.0 | 13.0 | 313745.9 |
| 0.0 | 13.5 | 424832.7 |
| 0.0 | 14.0 | 542853.0 |
| 0.0 | 14.5 | 744456.5 |
| 0.0 | 15.0 | 771225.7 |
| 0.0 | 15.5 | 754395.6 |
| 0.0 | 16.0 | 664502.0 |
| 0.0 | 16.5 | 444513.8 |
| 0.0 | 17.0 | 326757.3 |

8/14/2006 3:34:39 PM aligned for analyte Mn 257.618

X viewing position set to 0.0 mm having Peak intensity 771225.7 for Axial viewing

Y viewing position set to 15.0 mm having Peak intensity 771225.7 for Axial viewing

Align View X Radial for analyte Mn 257.618

| X-position | Y-position | Intensity |
|------------|------------|-----------|
| -7.0 | 15.0 | 14205.5 |
| -6.5 | 15.0 | 15316.3 |
| -6.0 | 15.0 | 14732.4 |
| -5.5 | 15.0 | 14604.8 |
| -5.0 | 15.0 | 15679.4 |
| -4.5 | 15.0 | 15093.0 |
| -4.0 | 15.0 | 16622.3 |
| -3.5 | 15.0 | 18524.4 |
| -3.0 | 15.0 | 23362.6 |
| -2.5 | 15.0 | 26556.0 |
| -2.0 | 15.0 | 33512.3 |
| -1.5 | 15.0 | 44369.1 |
| -1.0 | 15.0 | 51314.0 |
| -0.5 | 15.0 | 64067.8 |
| 0.0 | 15.0 | 67187.8 |

| | | |
|-----|------|---------|
| 0.5 | 15.0 | 63550.7 |
| 1.0 | 15.0 | 55979.1 |
| 1.5 | 15.0 | 53389.8 |
| 2.0 | 15.0 | 44149.6 |
| 2.5 | 15.0 | 32146.2 |
| 3.0 | 15.0 | 26480.1 |
| 3.5 | 15.0 | 34576.7 |
| 4.0 | 15.0 | 32449.0 |
| 4.5 | 15.0 | 25036.6 |
| 5.0 | 15.0 | 18936.5 |
| 5.5 | 15.0 | 14256.5 |
| 6.0 | 15.0 | 12657.9 |
| 6.5 | 15.0 | 12098.1 |
| 7.0 | 15.0 | 11072.4 |

8/14/2006 3:36:47 PM aligned for analyte Mn 257.618
 X viewing position set to 0.0 mm having Peak intensity 67187.8 for Radial viewing

=====
 Analysis Begun

Start Time: 8/14/2006 3:39:17 PM Plasma On Time: 8/14/2006 10:15:34 AM
 Logged In Analyst: ICP3 Technique: ICP Continuous
 Spectrometer Model: Optima 4300 DV, S/N 077N1032302 Autosampler Model: AS-91

Sample Information File: C:\pe\Administrator\Sample Information\00dailycal.sif
 Batch ID: dailycal
 Results Data Set: 081406NAD
 Results Library: Q:\Metals\Results\ICP3\Results2\Results.mdb

=====
 Method Loaded

Method Name: Everything-DV Method Last Saved: 8/11/2006 11:58:19 AM
 IEC File: 122905.iec MSF File:
 Method Description: Everything

=====
 Sequence No.: 1

Sample ID: Calib Blank 1 Autosampler Location: 1
 Analyst: Date Collected: 8/14/2006 3:39:18 PM
 Initial Sample Wt: Data Type: Original
 Dilution: Initial Sample Vol:
 Sample Prep Vol:

=====
 Replicate Data: Calib Blank 1

| Repl# | Analyte | Net Intensity | Corrected Intensity | Conc. | Calib. Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------|--------------|---------------|
| 1 | K 766.490† | -390.1 | -389.7 | [0.00] | mg/L | 15:40:51 |
| 1 | Li 670.784† | -104.7 | -104.6 | [0.00] | mg/L | 15:40:51 |
| 1 | Na 589.592 | 345.9 | 345.9 | [0.00] | mg/L | 15:40:51 |
| 1 | Y 371.029 | 3253004.5 | 3253004.5 | 1.00 | mg/L | 15:41:05 |
| 1 | Ag 328.068† | -1745.5 | -1743.7 | [0.00] | mg/L | 15:41:10 |
| 1 | Al 237.313† | -216.5 | -216.2 | [0.00] | mg/L | 15:41:10 |
| 1 | As 188.979† | 6.6 | 6.6 | [0.00] | mg/L | 15:41:30 |
| 1 | B 182.528† | -3.0 | -3.0 | [0.00] | mg/L | 15:41:30 |
| 1 | Ba 233.527† | -109.8 | -109.6 | [0.00] | mg/L | 15:41:30 |
| 1 | Be 313.107† | 1058.9 | 1057.8 | [0.00] | mg/L | 15:41:10 |
| 1 | Ca 315.886† | 652.5 | 651.8 | [0.00] | mg/L | 15:41:10 |
| 1 | Cd 228.802† | 154.8 | 154.7 | [0.00] | mg/L | 15:41:30 |
| 1 | Co 228.616† | -65.1 | -65.0 | [0.00] | mg/L | 15:41:30 |
| 1 | Cr 267.716† | 1663.6 | 1661.9 | [0.00] | mg/L | 15:41:10 |
| 1 | Cu 324.752† | 2122.2 | 2120.0 | [0.00] | mg/L | 15:41:10 |
| 1 | Fe 234.349† | 1597.2 | 1595.5 | [0.00] | mg/L | 15:41:10 |
| 1 | Fe 238.204† | 844.1 | 843.2 | [0.00] | mg/L | 15:41:30 |
| 1 | Mg 279.077† | 95.6 | 95.5 | [0.00] | mg/L | 15:41:10 |
| 1 | Mn 257.610† | 1689.7 | 1687.9 | [0.00] | mg/L | 15:41:10 |
| 1 | Mo 202.031† | 35.6 | 35.5 | [0.00] | mg/L | 15:41:30 |
| 1 | Ni 231.604† | 681.4 | 680.7 | [0.00] | mg/L | 15:41:10 |
| 1 | P 214.914† | 60.5 | 60.4 | [0.00] | mg/L | 15:41:30 |
| 1 | Pb 220.353† | -126.4 | -126.3 | [0.00] | mg/L | 15:41:30 |
| 1 | Sb 206.836† | 34.9 | 34.9 | [0.00] | mg/L | 15:41:30 |

| | | | | | | |
|---|-------------|-----------|-----------|--------|------|----------|
| 1 | Se 196.026† | -6.1 | -6.1 | [0.00] | mg/L | 15:41:30 |
| 1 | Sn 189.927† | 65.5 | 65.5 | [0.00] | mg/L | 15:41:30 |
| 1 | Sr 407.771† | -318.3 | -318.0 | [0.00] | mg/L | 15:41:05 |
| 1 | Ti 337.279† | -1564.9 | -1563.3 | [0.00] | mg/L | 15:41:10 |
| 1 | Tl 190.801† | -18.4 | -18.4 | [0.00] | mg/L | 15:41:30 |
| 1 | V 292.402† | -1216.7 | -1215.4 | [0.00] | mg/L | 15:41:10 |
| 1 | Zn 213.857† | 722.3 | 721.6 | [0.00] | mg/L | 15:41:30 |
| 2 | K 766.490† | -441.0 | -441.5 | [0.00] | mg/L | 15:40:57 |
| 2 | Li 670.784† | -141.3 | -141.4 | [0.00] | mg/L | 15:40:57 |
| 2 | Na 589.592 | 287.4 | 287.4 | [0.00] | mg/L | 15:40:57 |
| 2 | Y 371.029 | 3246231.1 | 3246231.1 | 0.999 | mg/L | 15:41:36 |
| 2 | Ag 328.068† | -1747.2 | -1749.0 | [0.00] | mg/L | 15:41:42 |
| 2 | Al 237.313† | -158.4 | -158.5 | [0.00] | mg/L | 15:41:42 |
| 2 | As 188.979† | 2.2 | 2.2 | [0.00] | mg/L | 15:42:02 |
| 2 | B 182.528† | -3.6 | -3.6 | [0.00] | mg/L | 15:42:02 |
| 2 | Ba 233.527† | -77.3 | -77.4 | [0.00] | mg/L | 15:42:02 |
| 2 | Be 313.107† | 985.1 | 986.1 | [0.00] | mg/L | 15:41:42 |
| 2 | Ca 315.886† | 693.3 | 694.0 | [0.00] | mg/L | 15:41:42 |
| 2 | Cd 228.802† | 140.4 | 140.5 | [0.00] | mg/L | 15:42:02 |
| 2 | Co 228.616† | -71.1 | -71.2 | [0.00] | mg/L | 15:42:02 |
| 2 | Cr 267.716† | 1743.5 | 1745.3 | [0.00] | mg/L | 15:41:42 |
| 2 | Cu 324.752† | 2153.0 | 2155.2 | [0.00] | mg/L | 15:41:42 |
| 2 | Fe 234.349† | 1592.6 | 1594.3 | [0.00] | mg/L | 15:41:42 |
| 2 | Fe 238.204† | 817.9 | 818.7 | [0.00] | mg/L | 15:42:02 |
| 2 | Mg 279.077† | 149.6 | 149.8 | [0.00] | mg/L | 15:41:42 |
| 2 | Mn 257.610† | 1518.9 | 1520.5 | [0.00] | mg/L | 15:41:42 |
| 2 | Mo 202.031† | 49.2 | 49.2 | [0.00] | mg/L | 15:42:02 |
| 2 | Ni 231.604† | 683.6 | 684.3 | [0.00] | mg/L | 15:41:42 |
| 2 | P 214.914† | 76.5 | 76.5 | [0.00] | mg/L | 15:42:02 |
| 2 | Pb 220.353† | -124.7 | -124.8 | [0.00] | mg/L | 15:42:02 |
| 2 | Sb 206.836† | 36.3 | 36.3 | [0.00] | mg/L | 15:42:02 |
| 2 | Se 196.026† | -3.4 | -3.4 | [0.00] | mg/L | 15:42:02 |
| 2 | Sn 189.927† | 57.3 | 57.4 | [0.00] | mg/L | 15:42:02 |
| 2 | Sr 407.771† | -276.3 | -276.6 | [0.00] | mg/L | 15:41:36 |
| 2 | Ti 337.279† | -1581.4 | -1583.1 | [0.00] | mg/L | 15:41:42 |
| 2 | Tl 190.801† | -19.9 | -19.9 | [0.00] | mg/L | 15:42:02 |
| 2 | V 292.402† | -1261.1 | -1262.4 | [0.00] | mg/L | 15:41:42 |
| 2 | Zn 213.857† | 732.7 | 733.4 | [0.00] | mg/L | 15:42:02 |

Mean Data: Calib Blank 1

| Analyte | Mean Corrected Intensity | Std.Dev. | RSD | Conc. | Units | Calib |
|-------------|--------------------------|----------|--------|--------|-------|-------|
| Y 371.029 | 3249617.8 | 4789.54 | 0.15% | 1.00 | mg/L | |
| Ag 328.068† | -1746.3 | 3.74 | 0.21% | [0.00] | mg/L | |
| Al 237.313† | -187.4 | 40.80 | 21.78% | [0.00] | mg/L | |
| As 188.979† | 4.4 | 3.06 | 69.64% | [0.00] | mg/L | |
| B 182.528† | -3.3 | 0.43 | 13.17% | [0.00] | mg/L | |
| Ba 233.527† | -93.5 | 22.78 | 24.36% | [0.00] | mg/L | |
| Be 313.107† | 1022.0 | 50.70 | 4.96% | [0.00] | mg/L | |
| Ca 315.886† | 672.9 | 29.82 | 4.43% | [0.00] | mg/L | |
| Cd 228.802† | 147.6 | 9.98 | 6.76% | [0.00] | mg/L | |
| Co 228.616† | -68.1 | 4.38 | 6.44% | [0.00] | mg/L | |
| Cr 267.716† | 1703.6 | 58.97 | 3.46% | [0.00] | mg/L | |
| Cu 324.752† | 2137.6 | 24.90 | 1.16% | [0.00] | mg/L | |
| Fe 234.349† | 1594.9 | 0.86 | 0.05% | [0.00] | mg/L | |
| Fe 238.204† | 830.9 | 17.30 | 2.08% | [0.00] | mg/L | |
| K 766.490† | -415.6 | 36.62 | 8.81% | [0.00] | mg/L | |
| Li 670.784† | -123.0 | 26.04 | 21.17% | [0.00] | mg/L | |
| Mg 279.077† | 122.6 | 38.40 | 31.32% | [0.00] | mg/L | |
| Mn 257.610† | 1604.2 | 118.41 | 7.38% | [0.00] | mg/L | |
| Mo 202.031† | 42.4 | 9.66 | 22.79% | [0.00] | mg/L | |
| Na 589.592 | 316.7 | 41.36 | 13.06% | [0.00] | mg/L | |
| Ni 231.604† | 682.5 | 2.56 | 0.38% | [0.00] | mg/L | |
| P 214.914† | 68.5 | 11.42 | 16.69% | [0.00] | mg/L | |
| Pb 220.353† | -125.6 | 1.05 | 0.83% | [0.00] | mg/L | |
| Sb 206.836† | 35.6 | 1.04 | 2.93% | [0.00] | mg/L | |
| Se 196.026† | -4.8 | 1.92 | 40.09% | [0.00] | mg/L | |
| Sn 189.927† | 61.4 | 5.74 | 9.35% | [0.00] | mg/L | |
| Sr 407.771† | -297.3 | 29.25 | 9.84% | [0.00] | mg/L | |
| Ti 337.279† | -1573.2 | 13.99 | 0.89% | [0.00] | mg/L | |
| Tl 190.801† | -19.2 | 1.07 | 5.58% | [0.00] | mg/L | |

V 292.402† -1238.9 33.24 2.68% [0.00] mg/L
 Zn 213.857† 727.5 8.39 1.15% [0.00] mg/L

Sequence No.: 2 Autosampler Location: 2
 Sample ID: Calib Std 1 Date Collected: 8/14/2006 3:43:39 PM
 Analyst: Data Type: Original
 Initial Sample Wt: Initial Sample Vol:
 Dilution: Sample Prep Vol:

Replicate Data: Calib Std 1

| Repl# | Analyte | Net Intensity | Corrected Intensity | Conc. Units | Calib. Units | Analysis Time |
|-------|-------------|---------------|---------------------|-------------|--------------|---------------|
| 1 | K 766.490† | 9167.2 | 9752.5 | [5.0000] | mg/L | 15:45:13 |
| 1 | Li 670.784† | 7198.6 | 7454.9 | [0.1] | mg/L | 15:45:13 |
| 1 | Na 589.592 | 37153.3 | 36836.7 | [5.0000] | mg/L | 15:45:13 |
| 1 | Y 371.029 | 3190550.3 | 3190550.3 | 0.982 | mg/L | 15:45:27 |
| 1 | Ag 328.068† | 10511.7 | 12452.6 | [0.05] | mg/L | 15:45:32 |
| 1 | Al 237.313† | 3151.9 | 3397.7 | [0.5] | mg/L | 15:45:53 |
| 1 | As 188.979† | 63.8 | 60.6 | [0.1000] | mg/L | 15:45:53 |
| 1 | B 182.528† | 37.8 | 41.7 | [0.1000] | mg/L | 15:45:53 |
| 1 | Ba 233.527† | 8556.6 | 8808.6 | [0.1000] | mg/L | 15:45:32 |
| 1 | Be 313.107† | 38186.6 | 37871.6 | [0.0100] | mg/L | 15:45:32 |
| 1 | Ca 315.886† | 120312.8 | 121867.3 | [1.0000] | mg/L | 15:45:32 |
| 1 | Cd 228.802† | 2038.7 | 1928.8 | [0.0500] | mg/L | 15:45:53 |
| 1 | Co 228.616† | 3206.5 | 3334.0 | [0.1000] | mg/L | 15:45:53 |
| 1 | Cr 267.716† | 14059.6 | 12616.3 | [0.1000] | mg/L | 15:45:32 |
| 1 | Cu 324.752† | 25174.7 | 23503.2 | [0.1000] | mg/L | 15:45:32 |
| 1 | Fe 234.349† | 23510.2 | 22350.6 | [0.5] | mg/L | 15:45:32 |
| 1 | Fe 238.204† | 47244.5 | 47288.2 | [0.5] | mg/L | 15:45:32 |
| 1 | Mg 279.077† | 17250.9 | 17447.7 | [1.0000] | mg/L | 15:45:32 |
| 1 | Mn 257.610† | 75290.3 | 75079.9 | [0.1000] | mg/L | 15:45:32 |
| 1 | Mo 202.031† | 1324.9 | 1307.0 | [0.1000] | mg/L | 15:45:53 |
| 1 | Ni 231.604† | 5008.3 | 4418.5 | [0.1000] | mg/L | 15:45:32 |
| 1 | P 214.914† | 1144.3 | 1097.0 | [1] | mg/L | 15:45:53 |
| 1 | Pb 220.353† | 575.5 | 711.7 | [0.1000] | mg/L | 15:45:53 |
| 1 | Sb 206.836† | 218.3 | 186.8 | [0.1000] | mg/L | 15:45:53 |
| 1 | Se 196.026† | 122.3 | 129.4 | [0.2000] | mg/L | 15:45:53 |
| 1 | Sn 189.927† | 428.2 | 374.7 | [0.1000] | mg/L | 15:45:53 |
| 1 | Sr 407.771† | 199928.4 | 203927.1 | [0.0100] | mg/L | 15:45:27 |
| 1 | Ti 337.279† | 64871.9 | 67646.1 | [0.1000] | mg/L | 15:45:32 |
| 1 | Tl 190.801† | 75.4 | 96.0 | [0.1000] | mg/L | 15:45:53 |
| 1 | V 292.402† | 17936.5 | 19507.4 | [0.1000] | mg/L | 15:45:32 |
| 1 | Zn 213.857† | 8492.5 | 7922.2 | [0.1000] | mg/L | 15:45:32 |
| 2 | K 766.490† | 8945.3 | 9468.3 | [5.0000] | mg/L | 15:45:19 |
| 2 | Li 670.784† | 7024.0 | 7231.4 | [0.1] | mg/L | 15:45:19 |
| 2 | Na 589.592 | 36117.5 | 35800.9 | [5.0000] | mg/L | 15:45:19 |
| 2 | Y 371.029 | 3211042.2 | 3211042.2 | 0.988 | mg/L | 15:45:58 |
| 2 | Ag 328.068† | 10580.4 | 12453.8 | [0.05] | mg/L | 15:46:04 |
| 2 | Al 237.313† | 3190.3 | 3416.0 | [0.5] | mg/L | 15:46:24 |
| 2 | As 188.979† | 66.2 | 62.6 | [0.1000] | mg/L | 15:46:24 |
| 2 | B 182.528† | 40.0 | 43.7 | [0.1000] | mg/L | 15:46:24 |
| 2 | Ba 233.527† | 8595.9 | 8792.7 | [0.1000] | mg/L | 15:46:04 |
| 2 | Be 313.107† | 38518.1 | 37958.8 | [0.0100] | mg/L | 15:46:04 |
| 2 | Ca 315.886† | 121080.2 | 121861.9 | [1.0000] | mg/L | 15:46:04 |
| 2 | Cd 228.802† | 2057.2 | 1934.3 | [0.0500] | mg/L | 15:46:24 |
| 2 | Co 228.616† | 3214.7 | 3321.4 | [0.1000] | mg/L | 15:46:24 |
| 2 | Cr 267.716† | 14106.6 | 12572.5 | [0.1000] | mg/L | 15:46:04 |
| 2 | Cu 324.752† | 25378.0 | 23545.2 | [0.1000] | mg/L | 15:46:04 |
| 2 | Fe 234.349† | 23640.6 | 22329.7 | [0.5] | mg/L | 15:46:04 |
| 2 | Fe 238.204† | 47565.4 | 47305.8 | [0.5] | mg/L | 15:46:04 |
| 2 | Mg 279.077† | 17412.7 | 17499.2 | [1.0000] | mg/L | 15:46:04 |
| 2 | Mn 257.610† | 75677.3 | 74982.2 | [0.1000] | mg/L | 15:46:04 |
| 2 | Mo 202.031† | 1327.9 | 1301.5 | [0.1000] | mg/L | 15:46:24 |
| 2 | Ni 231.604† | 5047.9 | 4426.0 | [0.1000] | mg/L | 15:46:04 |
| 2 | P 214.914† | 1133.0 | 1078.2 | [1] | mg/L | 15:46:24 |
| 2 | Pb 220.353† | 563.8 | 696.2 | [0.1000] | mg/L | 15:46:24 |
| 2 | Sb 206.836† | 216.5 | 183.5 | [0.1000] | mg/L | 15:46:24 |
| 2 | Se 196.026† | 128.7 | 135.0 | [0.2000] | mg/L | 15:46:24 |
| 2 | Sn 189.927† | 411.3 | 354.8 | [0.1000] | mg/L | 15:46:24 |
| 2 | Sr 407.771† | 200705.4 | 203413.8 | [0.0100] | mg/L | 15:45:58 |

| | | | | | |
|---|-------------|---------|---------|---------------|----------|
| 2 | Ti 337.279† | 65633.8 | 67995.4 | [0.1000] mg/L | 15:46:04 |
| 2 | Tl 190.801† | 74.2 | 94.3 | [0.1000] mg/L | 15:46:24 |
| 2 | V 292.402† | 18138.6 | 19595.5 | [0.1000] mg/L | 15:46:04 |
| 2 | Zn 213.857† | 8536.3 | 7911.4 | [0.1000] mg/L | 15:46:04 |

Mean Data: Calib Std 1

| Analyte | Mean Corrected Intensity | Std.Dev. | RSD | Calib Conc. Units |
|-------------|--------------------------|----------|-------|-------------------|
| Y 371.029 | 3200796.3 | 14490.02 | 0.45% | 0.985 mg/L |
| Ag 328.068† | 12453.2 | 0.85 | 0.01% | [0.05] mg/L |
| Al 237.313† | 3406.9 | 13.00 | 0.38% | [0.5] mg/L |
| As 188.979† | 61.6 | 1.43 | 2.32% | [0.1000] mg/L |
| B 182.528† | 42.7 | 1.40 | 3.28% | [0.1000] mg/L |
| Ba 233.527† | 8800.6 | 11.26 | 0.13% | [0.1000] mg/L |
| Be 313.107† | 37915.2 | 61.67 | 0.16% | [0.0100] mg/L |
| Ca 315.886† | 121864.6 | 3.82 | 0.00% | [1.0000] mg/L |
| Cd 228.802† | 1931.5 | 3.86 | 0.20% | [0.0500] mg/L |
| Co 228.616† | 3327.7 | 8.90 | 0.27% | [0.1000] mg/L |
| Cr 267.716† | 12594.4 | 31.01 | 0.25% | [0.1000] mg/L |
| Cu 324.752† | 23524.2 | 29.76 | 0.13% | [0.1000] mg/L |
| Fe 234.349† | 22340.2 | 14.76 | 0.07% | [0.5] mg/L |
| Fe 238.204† | 47297.0 | 12.46 | 0.03% | [0.5] mg/L |
| K 766.490† | 9610.4 | 200.93 | 2.09% | [5.0000] mg/L |
| Li 670.784† | 7343.1 | 158.05 | 2.15% | [0.1] mg/L |
| Mg 279.077† | 17473.5 | 36.47 | 0.21% | [1.0000] mg/L |
| Mn 257.610† | 75031.1 | 69.10 | 0.09% | [0.1000] mg/L |
| Mo 202.031† | 1304.3 | 3.90 | 0.30% | [0.1000] mg/L |
| Na 589.592 | 36318.8 | 732.41 | 2.02% | [5.0000] mg/L |
| Ni 231.604† | 4422.3 | 5.31 | 0.12% | [0.1000] mg/L |
| P 214.914† | 1087.6 | 13.29 | 1.22% | [1] mg/L |
| Pb 220.353† | 703.9 | 10.95 | 1.56% | [0.1000] mg/L |
| Sb 206.836† | 185.1 | 2.34 | 1.26% | [0.1000] mg/L |
| Se 196.026† | 132.2 | 3.98 | 3.01% | [0.2000] mg/L |
| Sn 189.927† | 364.8 | 14.05 | 3.85% | [0.1000] mg/L |
| Sr 407.771† | 203670.5 | 362.90 | 0.18% | [0.0100] mg/L |
| Ti 337.279† | 67820.8 | 247.01 | 0.36% | [0.1000] mg/L |
| Tl 190.801† | 95.1 | 1.20 | 1.27% | [0.1000] mg/L |
| V 292.402† | 19551.5 | 62.25 | 0.32% | [0.1000] mg/L |
| Zn 213.857† | 7916.8 | 7.69 | 0.10% | [0.1000] mg/L |

Sequence No.: 3

Sample ID: Calib Std 2

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 3

Date Collected: 8/14/2006 3:48:01 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: Calib Std 2

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------------------|---------------|
| 1 | K 766.490† | 51825.5 | 53575.7 | [25.0000] mg/L | 15:49:36 |
| 1 | Li 670.784† | 39245.5 | 40379.2 | [0.5] mg/L | 15:49:36 |
| 1 | Na 589.592 | 194360.2 | 194043.5 | [25.000] mg/L | 15:49:36 |
| 1 | Y 371.029 | 3168033.5 | 3168033.5 | 0.975 mg/L | 15:49:51 |
| 1 | Ag 328.068† | 61164.8 | 64486.3 | [0.25] mg/L | 15:49:56 |
| 1 | Al 237.313† | 16753.6 | 17372.5 | [2.5] mg/L | 15:49:56 |
| 1 | As 188.979† | 303.4 | 306.8 | [0.5000] mg/L | 15:50:17 |
| 1 | B 182.528† | 221.7 | 230.7 | [0.5000] mg/L | 15:50:17 |
| 1 | Ba 233.527† | 44158.0 | 45388.7 | [0.5000] mg/L | 15:49:56 |
| 1 | Be 313.107† | 192909.7 | 196855.6 | [0.0500] mg/L | 15:49:56 |
| 1 | Ca 315.886† | 587339.0 | 601791.5 | [5.0000] mg/L | 15:49:51 |
| 1 | Cd 228.802† | 9783.7 | 9888.1 | [0.2500] mg/L | 15:50:17 |
| 1 | Co 228.616† | 16413.9 | 16904.7 | [0.5000] mg/L | 15:50:17 |
| 1 | Cr 267.716† | 65011.6 | 64982.2 | [0.5000] mg/L | 15:49:56 |
| 1 | Cu 324.752† | 116768.9 | 117638.4 | [0.5000] mg/L | 15:49:56 |
| 1 | Fe 234.349† | 113388.3 | 114713.4 | [2.5] mg/L | 15:49:56 |
| 1 | Fe 238.204† | 237111.9 | 242387.1 | [2.5] mg/L | 15:49:56 |
| 1 | Mg 279.077† | 87708.8 | 89844.9 | [5.0000] mg/L | 15:49:56 |
| 1 | Mn 257.610† | 376188.5 | 384272.0 | [0.5000] mg/L | 15:49:56 |
| 1 | Mo 202.031† | 6368.7 | 6490.3 | [0.5000] mg/L | 15:50:17 |

| | | | | | | |
|---|-------------|-----------|-----------|-----------|------|----------|
| 1 | Ni 231.604† | 22500.4 | 22397.4 | [0.5000] | mg/L | 15:49:56 |
| 1 | P 214.914† | 5544.9 | 5619.2 | [5] | mg/L | 15:50:17 |
| 1 | Pb 220.353† | 3350.6 | 3562.4 | [0.5000] | mg/L | 15:50:17 |
| 1 | Sb 206.836† | 948.8 | 937.6 | [0.5000] | mg/L | 15:50:17 |
| 1 | Se 196.026† | 677.3 | 699.6 | [1.0000] | mg/L | 15:50:17 |
| 1 | Sn 189.927† | 1731.1 | 1714.3 | [0.5000] | mg/L | 15:50:17 |
| 1 | Sr 407.771† | 992252.6 | 1018102.8 | [0.0500] | mg/L | 15:49:51 |
| 1 | Ti 337.279† | 340469.8 | 350810.8 | [0.5000] | mg/L | 15:49:56 |
| 1 | Tl 190.801† | 434.1 | 464.5 | [0.5000] | mg/L | 15:50:17 |
| 1 | V 292.402† | 97803.4 | 101561.0 | [0.5000] | mg/L | 15:49:56 |
| 1 | Zn 213.857† | 38839.6 | 39112.3 | [0.5000] | mg/L | 15:49:56 |
| 2 | K 766.490† | 51441.8 | 52700.1 | [25.0000] | mg/L | 15:49:42 |
| 2 | Li 670.784† | 38994.6 | 39756.4 | [0.5] | mg/L | 15:49:42 |
| 2 | Na 589.592 | 192992.3 | 192675.7 | [25.000] | mg/L | 15:49:42 |
| 2 | Y 371.029 | 3197244.7 | 3197244.7 | 0.984 | mg/L | 15:50:23 |
| 2 | Ag 328.068† | 60996.7 | 63742.2 | [0.25] | mg/L | 15:50:28 |
| 2 | Al 237.313† | 16587.6 | 17046.7 | [2.5] | mg/L | 15:50:28 |
| 2 | As 188.979† | 309.1 | 309.8 | [0.5000] | mg/L | 15:50:48 |
| 2 | B 182.528† | 222.3 | 229.2 | [0.5000] | mg/L | 15:50:48 |
| 2 | Ba 233.527† | 43853.6 | 44665.5 | [0.5000] | mg/L | 15:50:28 |
| 2 | Be 313.107† | 191417.3 | 193530.9 | [0.0500] | mg/L | 15:50:28 |
| 2 | Ca 315.886† | 591531.1 | 600547.9 | [5.0000] | mg/L | 15:50:23 |
| 2 | Cd 228.802† | 9775.8 | 9788.3 | [0.2500] | mg/L | 15:50:48 |
| 2 | Co 228.616† | 16423.9 | 16761.0 | [0.5000] | mg/L | 15:50:48 |
| 2 | Cr 267.716† | 64565.2 | 63919.2 | [0.5000] | mg/L | 15:50:28 |
| 2 | Cu 324.752† | 116052.3 | 115815.7 | [0.5000] | mg/L | 15:50:28 |
| 2 | Fe 234.349† | 112506.5 | 112754.5 | [2.5] | mg/L | 15:50:28 |
| 2 | Fe 238.204† | 235406.7 | 238431.9 | [2.5] | mg/L | 15:50:28 |
| 2 | Mg 279.077† | 86874.4 | 88174.9 | [5.0000] | mg/L | 15:50:28 |
| 2 | Mn 257.610† | 373303.1 | 377813.8 | [0.5000] | mg/L | 15:50:28 |
| 2 | Mo 202.031† | 6434.0 | 6497.0 | [0.5000] | mg/L | 15:50:48 |
| 2 | Ni 231.604† | 22326.3 | 22009.6 | [0.5000] | mg/L | 15:50:28 |
| 2 | P 214.914† | 5539.2 | 5561.5 | [5] | mg/L | 15:50:48 |
| 2 | Pb 220.353† | 3358.1 | 3538.6 | [0.5000] | mg/L | 15:50:48 |
| 2 | Sb 206.836† | 937.7 | 917.4 | [0.5000] | mg/L | 15:50:48 |
| 2 | Se 196.026† | 671.3 | 687.0 | [1.0000] | mg/L | 15:50:48 |
| 2 | Sn 189.927† | 1739.2 | 1706.3 | [0.5000] | mg/L | 15:50:48 |
| 2 | Sr 407.771† | 998767.6 | 1015425.4 | [0.0500] | mg/L | 15:50:23 |
| 2 | Ti 337.279† | 338347.9 | 345463.4 | [0.5000] | mg/L | 15:50:28 |
| 2 | Tl 190.801† | 444.5 | 471.0 | [0.5000] | mg/L | 15:50:48 |
| 2 | V 292.402† | 96955.9 | 99783.0 | [0.5000] | mg/L | 15:50:28 |
| 2 | Zn 213.857† | 38501.4 | 38404.5 | [0.5000] | mg/L | 15:50:28 |

Mean Data: Calib Std 2

| Analyte | Mean Corrected Intensity | Std.Dev. | RSD | Conc. | Calib Units |
|-------------|--------------------------|----------|-------|-----------|-------------|
| Y 371.029 | 3182639.1 | 20655.46 | 0.65% | 0.979 | mg/L |
| Ag 328.068† | 64114.3 | 526.16 | 0.82% | [0.25] | mg/L |
| Al 237.313† | 17209.6 | 230.32 | 1.34% | [2.5] | mg/L |
| As 188.979† | 308.3 | 2.10 | 0.68% | [0.5000] | mg/L |
| B 182.528† | 229.9 | 1.05 | 0.46% | [0.5000] | mg/L |
| Ba 233.527† | 45027.1 | 511.35 | 1.14% | [0.5000] | mg/L |
| Be 313.107† | 195193.2 | 2350.92 | 1.20% | [0.0500] | mg/L |
| Ca 315.886† | 601169.7 | 879.32 | 0.15% | [5.0000] | mg/L |
| Cd 228.802† | 9838.2 | 70.55 | 0.72% | [0.2500] | mg/L |
| Co 228.616† | 16832.9 | 101.62 | 0.60% | [0.5000] | mg/L |
| Cr 267.716† | 64450.7 | 751.66 | 1.17% | [0.5000] | mg/L |
| Cu 324.752† | 116727.0 | 1288.82 | 1.10% | [0.5000] | mg/L |
| Fe 234.349† | 113734.0 | 1385.17 | 1.22% | [2.5] | mg/L |
| Fe 238.204† | 240409.5 | 2796.75 | 1.16% | [2.5] | mg/L |
| K 766.490† | 53137.9 | 619.19 | 1.17% | [25.0000] | mg/L |
| Li 670.784† | 40067.8 | 440.43 | 1.10% | [0.5] | mg/L |
| Mg 279.077† | 89009.9 | 1180.88 | 1.33% | [5.0000] | mg/L |
| Mn 257.610† | 381042.9 | 4566.63 | 1.20% | [0.5000] | mg/L |
| Mo 202.031† | 6493.7 | 4.73 | 0.07% | [0.5000] | mg/L |
| Na 589.592 | 193359.6 | 967.25 | 0.50% | [25.000] | mg/L |
| Ni 231.604† | 22203.5 | 274.20 | 1.23% | [0.5000] | mg/L |
| P 214.914† | 5590.4 | 40.80 | 0.73% | [5] | mg/L |
| Pb 220.353† | 3550.5 | 16.83 | 0.47% | [0.5000] | mg/L |
| Sb 206.836† | 927.5 | 14.31 | 1.54% | [0.5000] | mg/L |
| Se 196.026† | 693.3 | 8.85 | 1.28% | [1.0000] | mg/L |

| | | | | | |
|-------------|-----------|---------|-------|----------|------|
| Sn 189.927† | 1710.3 | 5.70 | 0.33% | [0.5000] | mg/L |
| Sr 407.771† | 1016764.1 | 1893.21 | 0.19% | [0.0500] | mg/L |
| Ti 337.279† | 348137.1 | 3781.20 | 1.09% | [0.5000] | mg/L |
| Tl 190.801† | 467.7 | 4.63 | 0.99% | [0.5000] | mg/L |
| V 292.402† | 100672.0 | 1257.25 | 1.25% | [0.5000] | mg/L |
| Zn 213.857† | 38758.4 | 500.43 | 1.29% | [0.5000] | mg/L |

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Sequence No.: 4                               Autosampler Location: 4
Sample ID: Calib Std 3                       Date Collected: 8/14/2006 3:52:27 PM
Analyst:                                       Data Type: Original
Initial Sample Wt:                             Initial Sample Vol:
Dilution:                                       Sample Prep Vol:
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Replicate Data: Calib Std 3

| Repl# | Analyte | Net Intensity | Corrected Intensity | Conc. Units | Analysis Time |
|-------|-------------|---------------|---------------------|----------------|---------------|
| 1 | K 766.490† | 110557.3 | 113933.2 | [50.0000] mg/L | 15:54:03 |
| 1 | Li 670.784† | 82291.1 | 84617.6 | [1] mg/L | 15:54:03 |
| 1 | Na 589.592 | 392041.6 | 391725.0 | [50.000] mg/L | 15:54:03 |
| 1 | Y 371.029 | 3164873.2 | 3164873.2 | 0.974 mg/L | 15:54:20 |
| 1 | Ag 328.068† | 123373.2 | 128423.1 | [0.5] mg/L | 15:54:26 |
| 1 | Al 237.313† | 33488.0 | 34572.0 | [5] mg/L | 15:54:26 |
| 1 | As 188.979† | 606.4 | 618.3 | [1.0000] mg/L | 15:54:46 |
| 1 | B 182.528† | 453.5 | 468.9 | [1.0000] mg/L | 15:54:46 |
| 1 | Ba 233.527† | 87048.0 | 89472.4 | [1.0000] mg/L | 15:54:26 |
| 1 | Be 313.107† | 374126.4 | 383122.3 | [0.1000] mg/L | 15:54:20 |
| 1 | Ca 315.886† | 1155395.6 | 1185660.3 | [10.0000] mg/L | 15:54:20 |
| 1 | Cd 228.802† | 19060.1 | 19422.9 | [0.5000] mg/L | 15:54:26 |
| 1 | Co 228.616† | 32066.1 | 32992.8 | [1.0000] mg/L | 15:54:26 |
| 1 | Cr 267.716† | 126101.6 | 127774.6 | [1.0000] mg/L | 15:54:26 |
| 1 | Cu 324.752† | 227262.0 | 231209.7 | [1.0000] mg/L | 15:54:26 |
| 1 | Fe 234.349† | 220305.6 | 224609.7 | [5.0] mg/L | 15:54:26 |
| 1 | Fe 238.204† | 464134.8 | 475731.8 | [5.0] mg/L | 15:54:26 |
| 1 | Mg 279.077† | 171841.2 | 176319.9 | [10.0000] mg/L | 15:54:26 |
| 1 | Mn 257.610† | 724288.6 | 742078.4 | [1.0000] mg/L | 15:54:20 |
| 1 | Mo 202.031† | 12512.3 | 12805.0 | [1.0000] mg/L | 15:54:46 |
| 1 | Ni 231.604† | 43200.8 | 43675.1 | [1.0000] mg/L | 15:54:26 |
| 1 | P 214.914† | 10935.2 | 11159.5 | [10] mg/L | 15:54:46 |
| 1 | Pb 220.353† | 6666.1 | 6970.1 | [1.0000] mg/L | 15:54:46 |
| 1 | Sb 206.836† | 1817.2 | 1830.3 | [1.0000] mg/L | 15:54:46 |
| 1 | Se 196.026† | 1322.5 | 1362.7 | [2.0000] mg/L | 15:54:46 |
| 1 | Sn 189.927† | 3281.3 | 3307.7 | [1.0000] mg/L | 15:54:46 |
| 1 | Sr 407.771† | 1950093.5 | 2002607.7 | [0.1000] mg/L | 15:54:20 |
| 1 | Ti 337.279† | 667548.6 | 686996.4 | [1.0000] mg/L | 15:54:20 |
| 1 | Tl 190.801† | 984.1 | 1029.7 | [1.0000] mg/L | 15:54:46 |
| 1 | V 292.402† | 194327.2 | 200769.6 | [1.0000] mg/L | 15:54:26 |
| 1 | Zn 213.857† | 75670.2 | 76968.8 | [1.0000] mg/L | 15:54:26 |
| 2 | K 766.490† | 109273.8 | 112580.4 | [50.0000] mg/L | 15:54:09 |
| 2 | Li 670.784† | 81364.6 | 83640.2 | [1] mg/L | 15:54:09 |
| 2 | Na 589.592 | 387583.5 | 387266.9 | [50.000] mg/L | 15:54:09 |
| 2 | Y 371.029 | 3165860.4 | 3165860.4 | 0.974 mg/L | 15:54:55 |
| 2 | Ag 328.068† | 121447.8 | 126407.2 | [0.5] mg/L | 15:55:00 |
| 2 | Al 237.313† | 32926.0 | 33984.4 | [5] mg/L | 15:55:00 |
| 2 | As 188.979† | 608.6 | 620.3 | [1.0000] mg/L | 15:55:20 |
| 2 | B 182.528† | 451.6 | 466.8 | [1.0000] mg/L | 15:55:20 |
| 2 | Ba 233.527† | 85421.3 | 87774.7 | [1.0000] mg/L | 15:55:00 |
| 2 | Be 313.107† | 375363.7 | 384272.5 | [0.1000] mg/L | 15:54:55 |
| 2 | Ca 315.886† | 1159923.0 | 1189937.6 | [10.0000] mg/L | 15:54:55 |
| 2 | Cd 228.802† | 18753.8 | 19102.4 | [0.5000] mg/L | 15:55:00 |
| 2 | Co 228.616† | 31417.3 | 32316.5 | [1.0000] mg/L | 15:55:00 |
| 2 | Cr 267.716† | 123968.9 | 125545.1 | [1.0000] mg/L | 15:55:00 |
| 2 | Cu 324.752† | 223729.1 | 227510.6 | [1.0000] mg/L | 15:55:00 |
| 2 | Fe 234.349† | 216444.9 | 220576.3 | [5.0] mg/L | 15:55:00 |
| 2 | Fe 238.204† | 455707.7 | 466933.1 | [5.0] mg/L | 15:55:00 |
| 2 | Mg 279.077† | 168549.0 | 172885.6 | [10.0000] mg/L | 15:55:00 |
| 2 | Mn 257.610† | 726620.8 | 744240.4 | [1.0000] mg/L | 15:54:55 |
| 2 | Mo 202.031† | 12723.4 | 13017.7 | [1.0000] mg/L | 15:55:20 |
| 2 | Ni 231.604† | 42310.2 | 42747.2 | [1.0000] mg/L | 15:55:00 |
| 2 | P 214.914† | 11015.9 | 11238.9 | [10] mg/L | 15:55:20 |
| 2 | Pb 220.353† | 6713.2 | 7016.4 | [1.0000] mg/L | 15:55:20 |

| | | | | | | |
|---|-------------|-----------|-----------|----------|------|----------|
| 2 | Sb 206.836† | 1833.0 | 1845.9 | [1.0000] | mg/L | 15:55:20 |
| 2 | Se 196.026† | 1334.9 | 1375.0 | [2.0000] | mg/L | 15:55:20 |
| 2 | Sn 189.927† | 3301.6 | 3327.5 | [1.0000] | mg/L | 15:55:20 |
| 2 | Sr 407.771† | 1954895.5 | 2006912.4 | [0.1000] | mg/L | 15:54:55 |
| 2 | Ti 337.279† | 666775.8 | 685989.5 | [1.0000] | mg/L | 15:54:55 |
| 2 | Tl 190.801† | 1028.5 | 1074.9 | [1.0000] | mg/L | 15:55:20 |
| 2 | V 292.402† | 190989.2 | 197281.0 | [1.0000] | mg/L | 15:55:00 |
| 2 | Zn 213.857† | 74371.8 | 75611.9 | [1.0000] | mg/L | 15:55:00 |

Mean Data: Calib Std 3

| Analyte | Mean Corrected Intensity | Std.Dev. | RSD | Conc. | Calib Units |
|-------------|--------------------------|----------|-------|-----------|-------------|
| Y 371.029 | 3165366.8 | 698.00 | 0.02% | 0.974 | mg/L |
| Ag 328.068† | 127415.2 | 1425.42 | 1.12% | [0.5] | mg/L |
| Al 237.313† | 34278.2 | 415.48 | 1.21% | [5] | mg/L |
| As 188.979† | 619.3 | 1.42 | 0.23% | [1.0000] | mg/L |
| B 182.528† | 467.9 | 1.51 | 0.32% | [1.0000] | mg/L |
| Ba 233.527† | 88623.6 | 1200.43 | 1.35% | [1.0000] | mg/L |
| Be 313.107† | 383697.4 | 813.31 | 0.21% | [0.1000] | mg/L |
| Ca 315.886† | 1187798.9 | 3024.46 | 0.25% | [10.0000] | mg/L |
| Cd 228.802† | 19262.6 | 226.64 | 1.18% | [0.5000] | mg/L |
| Co 228.616† | 32654.7 | 478.16 | 1.46% | [1.0000] | mg/L |
| Cr 267.716† | 126659.8 | 1576.53 | 1.24% | [1.0000] | mg/L |
| Cu 324.752† | 229360.1 | 2615.64 | 1.14% | [1.0000] | mg/L |
| Fe 234.349† | 222593.0 | 2852.05 | 1.28% | [5.0] | mg/L |
| Fe 238.204† | 471332.4 | 6221.58 | 1.32% | [5.0] | mg/L |
| K 766.490† | 113256.8 | 956.62 | 0.84% | [50.0000] | mg/L |
| Li 670.784† | 84128.9 | 691.09 | 0.82% | [1] | mg/L |
| Mg 279.077† | 174602.8 | 2428.44 | 1.39% | [10.0000] | mg/L |
| Mn 257.610† | 743159.4 | 1528.80 | 0.21% | [1.0000] | mg/L |
| Mo 202.031† | 12911.3 | 150.37 | 1.16% | [1.0000] | mg/L |
| Na 589.592 | 389495.9 | 3152.34 | 0.81% | [50.000] | mg/L |
| Ni 231.604† | 43211.1 | 656.17 | 1.52% | [1.0000] | mg/L |
| P 214.914† | 11199.2 | 56.12 | 0.50% | [10] | mg/L |
| Pb 220.353† | 6993.2 | 32.71 | 0.47% | [1.0000] | mg/L |
| Sb 206.836† | 1838.1 | 11.05 | 0.60% | [1.0000] | mg/L |
| Se 196.026† | 1368.8 | 8.73 | 0.64% | [2.0000] | mg/L |
| Sn 189.927† | 3317.6 | 13.99 | 0.42% | [1.0000] | mg/L |
| Sr 407.771† | 2004760.1 | 3043.89 | 0.15% | [0.1000] | mg/L |
| Ti 337.279† | 686492.9 | 712.02 | 0.10% | [1.0000] | mg/L |
| Tl 190.801† | 1052.3 | 31.98 | 3.04% | [1.0000] | mg/L |
| V 292.402† | 199025.3 | 2466.78 | 1.24% | [1.0000] | mg/L |
| Zn 213.857† | 76290.3 | 959.53 | 1.26% | [1.0000] | mg/L |

Calibration Summary

| Analyte | Stds. | Equation | Intercept | Slope | Curvature | Corr. Coef. | Reslope |
|------------|-------|---------------|-----------|---------|-----------|-------------|---------|
| Ag 328.068 | 3 | Lin, Calc Int | -52.4 | 255200 | 0.00000 | 0.999989 | |
| Al 237.313 | 3 | Lin, Calc Int | 3.8 | 6860 | 0.00000 | 0.999997 | |
| As 188.979 | 3 | Lin, Calc Int | -0.4 | 619.2 | 0.00000 | 0.999997 | |
| B 182.528 | 3 | Lin, Calc Int | -2.5 | 469.2 | 0.00000 | 0.999945 | |
| Ba 233.527 | 3 | Lin, Calc Int | 105.3 | 88770 | 0.00000 | 0.999960 | |
| Be 313.107 | 3 | Lin, Calc Int | 418.8 | 3845000 | 0.00000 | 0.999951 | |
| Ca 315.886 | 3 | Lin, Calc Int | 2716.7 | 118700 | 0.00000 | 0.999980 | |
| Cd 228.802 | 3 | Lin, Calc Int | 40.7 | 38590 | 0.00000 | 0.999933 | |
| Co 228.616 | 3 | Lin, Calc Int | 121.4 | 32710 | 0.00000 | 0.999866 | |
| Cr 267.716 | 3 | Lin, Calc Int | 176.2 | 126900 | 0.00000 | 0.999952 | |
| Cu 324.752 | 3 | Lin, Calc Int | 640.6 | 229400 | 0.00000 | 0.999957 | |
| Fe 234.349 | 3 | Lin, Calc Int | 488.0 | 44590 | 0.00000 | 0.999930 | |
| Fe 238.204 | 3 | Lin, Calc Int | 952.4 | 94400 | 0.00000 | 0.999941 | |
| K 766.490 | 3 | Lin, Calc Int | -1408.2 | 2270 | 0.00000 | 0.999481 | |
| Li 670.784 | 3 | Lin, Calc Int | -844.8 | 84320 | 0.00000 | 0.999688 | |
| Mg 279.077 | 3 | Lin, Calc Int | 322.7 | 17490 | 0.00000 | 0.999944 | |
| Mn 257.610 | 3 | Lin, Calc Int | 2072.5 | 744300 | 0.00000 | 0.999908 | |
| Mo 202.031 | 3 | Lin, Calc Int | 12.9 | 12910 | 0.00000 | 0.999995 | |
| Na 589.592 | 3 | Lin, Calc Int | -1424.4 | 7811 | 0.00000 | 0.999978 | |
| Ni 231.604 | 3 | Lin, Calc Int | 155.8 | 43260 | 0.00000 | 0.999895 | |
| P 214.914 | 3 | Lin, Calc Int | -16.1 | 1121 | 0.00000 | 0.999996 | |
| Pb 220.353 | 3 | Lin, Calc Int | 12.0 | 7000 | 0.00000 | 0.999966 | |
| Sb 206.836 | 3 | Lin, Calc Int | 2.1 | 1839 | 0.00000 | 0.999988 | |

| | | | | | | |
|------------|---|---------------|--------|----------|---------|----------|
| Se 196.026 | 3 | Lin, Calc Int | -0.4 | 686.3 | 0.00000 | 0.999962 |
| Sn 189.927 | 3 | Lin, Calc Int | 24.2 | 3310 | 0.00000 | 0.999859 |
| Sr 407.771 | 3 | Lin, Calc Int | 4084.9 | 20060000 | 0.00000 | 0.999972 |
| Ti 337.279 | 3 | Lin, Calc Int | 539.6 | 687700 | 0.00000 | 0.999967 |
| Tl 190.801 | 3 | Lin, Calc Int | -15.3 | 1048 | 0.00000 | 0.998295 |
| V 292.402 | 3 | Lin, Calc Int | 59.3 | 199400 | 0.00000 | 0.999975 |
| Zn 213.857 | 3 | Lin, Calc Int | 241.4 | 76250 | 0.00000 | 0.999965 |

Sequence No.: 5

Sample ID: STD2

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 3

Date Collected: 8/14/2006 3:56:59 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: STD2

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. Units | Sample Conc. Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------------------|--------------------|---------------|
| 1 | K 766.490† | 53157.1 | 55033.9 | 24.86 mg/L | 24.86 mg/L | 15:58:34 |
| 1 | Li 670.784† | 40864.7 | 42111.0 | 0.5094 mg/L | 0.5094 mg/L | 15:58:34 |
| 1 | Na 589.592 | 190751.5 | 190434.8 | 24.56 mg/L | 24.56 mg/L | 15:58:34 |
| 1 | Y 371.029 | 3162682.1 | 3162682.1 | 0.973 mg/L | | 15:58:49 |
| 1 | Ag 328.068† | 61273.6 | 64704.2 | 0.2542 mg/L | 0.2542 mg/L | 15:58:55 |
| 1 | Al 237.313† | 16678.0 | 17323.8 | 2.516 mg/L | 2.516 mg/L | 15:58:55 |
| 1 | As 188.979† | 305.9 | 309.9 | 0.5000 mg/L | 0.5000 mg/L | 15:59:15 |
| 1 | B 182.528† | 229.3 | 238.8 | 0.5145 mg/L | 0.5145 mg/L | 15:59:15 |
| 1 | Ba 233.527† | 43773.6 | 45070.3 | 0.5065 mg/L | 0.5065 mg/L | 15:58:55 |
| 1 | Be 313.107† | 191059.8 | 195289.7 | 0.0504 mg/L | 0.0504 mg/L | 15:58:55 |
| 1 | Ca 315.886† | 583497.7 | 598863.9 | 5.023 mg/L | 5.023 mg/L | 15:58:49 |
| 1 | Cd 228.802† | 9756.8 | 9877.3 | 0.2548 mg/L | 0.2548 mg/L | 15:59:15 |
| 1 | Co 228.616† | 16361.8 | 16879.6 | 0.5112 mg/L | 0.5112 mg/L | 15:59:15 |
| 1 | Cr 267.716† | 64366.0 | 64431.7 | 0.5060 mg/L | 0.5060 mg/L | 15:58:55 |
| 1 | Cu 324.752† | 115574.1 | 116613.4 | 0.5063 mg/L | 0.5063 mg/L | 15:58:55 |
| 1 | Fe 234.349† | 112287.4 | 113779.1 | 2.535 mg/L | 2.535 mg/L | 15:58:55 |
| 1 | Fe 238.204† | 234774.3 | 240396.9 | 2.537 mg/L | 2.537 mg/L | 15:58:55 |
| 1 | Mg 279.077† | 86518.0 | 88773.6 | 5.062 mg/L | 5.062 mg/L | 15:58:55 |
| 1 | Mn 257.610† | 372812.6 | 381456.2 | 0.5098 mg/L | 0.5098 mg/L | 15:58:55 |
| 1 | Mo 202.031† | 6445.9 | 6580.7 | 0.5087 mg/L | 0.5087 mg/L | 15:59:15 |
| 1 | Ni 231.604† | 22213.9 | 22142.1 | 0.5089 mg/L | 0.5089 mg/L | 15:58:55 |
| 1 | P 214.914† | 5524.7 | 5608.1 | 5.016 mg/L | 5.016 mg/L | 15:59:15 |
| 1 | Pb 220.353† | 3338.3 | 3555.6 | 0.5074 mg/L | 0.5074 mg/L | 15:59:15 |
| 1 | Sb 206.836† | 939.6 | 929.8 | 0.4937 mg/L | 0.4937 mg/L | 15:59:15 |
| 1 | Se 196.026† | 662.3 | 685.3 | 0.9992 mg/L | 0.9992 mg/L | 15:59:15 |
| 1 | Sn 189.927† | 1699.6 | 1684.9 | 0.5024 mg/L | 0.5024 mg/L | 15:59:15 |
| 1 | Sr 407.771† | 991007.6 | 1018545.7 | 0.0506 mg/L | 0.0506 mg/L | 15:58:49 |
| 1 | Ti 337.279† | 338337.2 | 349210.5 | 0.5070 mg/L | 0.5070 mg/L | 15:58:55 |
| 1 | Tl 190.801† | 488.0 | 520.6 | 0.5141 mg/L | 0.5141 mg/L | 15:59:15 |
| 1 | V 292.402† | 96867.2 | 100768.8 | 0.5123 mg/L | 0.5123 mg/L | 15:58:55 |
| 1 | Zn 213.857† | 38454.3 | 38783.8 | 0.5030 mg/L | 0.5030 mg/L | 15:58:55 |
| 2 | K 766.490† | 53092.8 | 54894.1 | 24.80 mg/L | 24.80 mg/L | 15:58:40 |
| 2 | Li 670.784† | 40820.3 | 42008.7 | 0.5082 mg/L | 0.5082 mg/L | 15:58:40 |
| 2 | Na 589.592 | 190933.3 | 190616.6 | 24.59 mg/L | 24.59 mg/L | 15:58:40 |
| 2 | Y 371.029 | 3166958.6 | 3166958.6 | 0.975 mg/L | | 15:59:21 |
| 2 | Ag 328.068† | 61950.1 | 65313.4 | 0.2566 mg/L | 0.2566 mg/L | 15:59:26 |
| 2 | Al 237.313† | 16842.0 | 17468.9 | 2.537 mg/L | 2.537 mg/L | 15:59:26 |
| 2 | As 188.979† | 308.6 | 312.2 | 0.5037 mg/L | 0.5037 mg/L | 15:59:47 |
| 2 | B 182.528† | 229.6 | 238.9 | 0.5146 mg/L | 0.5146 mg/L | 15:59:47 |
| 2 | Ba 233.527† | 44339.2 | 45590.0 | 0.5123 mg/L | 0.5123 mg/L | 15:59:26 |
| 2 | Be 313.107† | 193912.5 | 197951.7 | 0.0511 mg/L | 0.0511 mg/L | 15:59:26 |
| 2 | Ca 315.886† | 582715.8 | 597252.1 | 5.009 mg/L | 5.009 mg/L | 15:59:21 |
| 2 | Cd 228.802† | 9804.7 | 9913.0 | 0.2557 mg/L | 0.2557 mg/L | 15:59:47 |
| 2 | Co 228.616† | 16438.3 | 16935.5 | 0.5129 mg/L | 0.5129 mg/L | 15:59:47 |
| 2 | Cr 267.716† | 65187.8 | 65185.7 | 0.5120 mg/L | 0.5120 mg/L | 15:59:26 |
| 2 | Cu 324.752† | 117105.7 | 118024.7 | 0.5124 mg/L | 0.5124 mg/L | 15:59:26 |
| 2 | Fe 234.349† | 113823.5 | 115199.5 | 2.567 mg/L | 2.567 mg/L | 15:59:26 |
| 2 | Fe 238.204† | 238075.4 | 243458.3 | 2.569 mg/L | 2.569 mg/L | 15:59:26 |
| 2 | Mg 279.077† | 87761.8 | 89929.8 | 5.128 mg/L | 5.128 mg/L | 15:59:26 |
| 2 | Mn 257.610† | 377565.9 | 385816.4 | 0.5156 mg/L | 0.5156 mg/L | 15:59:26 |
| 2 | Mo 202.031† | 6518.8 | 6646.6 | 0.5138 mg/L | 0.5138 mg/L | 15:59:47 |
| 2 | Ni 231.604† | 22565.3 | 22471.8 | 0.5165 mg/L | 0.5165 mg/L | 15:59:26 |
| 2 | P 214.914† | 5543.8 | 5620.0 | 5.026 mg/L | 5.026 mg/L | 15:59:47 |

| | | | | | | |
|---|-------------|----------|-----------|-------------|-------------|----------|
| 2 | Pb 220.353† | 3352.1 | 3565.1 | 0.5088 mg/L | 0.5088 mg/L | 15:59:47 |
| 2 | Sb 206.836† | 947.4 | 936.5 | 0.4972 mg/L | 0.4972 mg/L | 15:59:47 |
| 2 | Se 196.026† | 674.0 | 696.3 | 1.015 mg/L | 1.015 mg/L | 15:59:47 |
| 2 | Sn 189.927† | 1696.0 | 1678.8 | 0.5005 mg/L | 0.5005 mg/L | 15:59:47 |
| 2 | Sr 407.771† | 991134.5 | 1017301.0 | 0.0505 mg/L | 0.0505 mg/L | 15:59:21 |
| 2 | Ti 337.279† | 342968.6 | 353493.4 | 0.5133 mg/L | 0.5133 mg/L | 15:59:26 |
| 2 | Tl 190.801† | 512.9 | 545.4 | 0.5379 mg/L | 0.5379 mg/L | 15:59:47 |
| 2 | V 292.402† | 98092.1 | 101891.2 | 0.5180 mg/L | 0.5180 mg/L | 15:59:26 |
| 2 | Zn 213.857† | 38975.6 | 39265.3 | 0.5092 mg/L | 0.5092 mg/L | 15:59:26 |

Mean Data: STD2

| Analyte | Mean Corrected Intensity | Calib Conc. Units | Std.Dev. | Sample Conc. Units | Std.Dev. | RSD |
|-------------|---|-------------------|----------|--------------------|----------|-------|
| Y 371.029 | 3164820.3 | 0.974 mg/L | 0.0009 | | | 0.10% |
| Ag 328.068† | 65008.8 | 0.2554 mg/L | 0.00169 | 0.2554 mg/L | 0.00169 | 0.66% |
| | QC value within limits for Ag 328.068 Recovery = 102.15% | | | | | |
| Al 237.313† | 17396.4 | 2.526 mg/L | 0.0149 | 2.526 mg/L | 0.0149 | 0.59% |
| | QC value within limits for Al 237.313 Recovery = 101.05% | | | | | |
| As 188.979† | 311.1 | 0.5019 mg/L | 0.00258 | 0.5019 mg/L | 0.00258 | 0.51% |
| | QC value within limits for As 188.979 Recovery = 100.37% | | | | | |
| B 182.528† | 238.9 | 0.5145 mg/L | 0.00006 | 0.5145 mg/L | 0.00006 | 0.01% |
| | QC value within limits for B 182.528 Recovery = 102.90% | | | | | |
| Ba 233.527† | 45330.2 | 0.5094 mg/L | 0.00414 | 0.5094 mg/L | 0.00414 | 0.81% |
| | QC value within limits for Ba 233.527 Recovery = 101.88% | | | | | |
| Be 313.107† | 196620.7 | 0.0507 mg/L | 0.00049 | 0.0507 mg/L | 0.00049 | 0.96% |
| | QC value within limits for Be 313.107 Recovery = 101.41% | | | | | |
| Ca 315.886† | 598058.0 | 5.016 mg/L | 0.0096 | 5.016 mg/L | 0.0096 | 0.19% |
| | QC value within limits for Ca 315.886 Recovery = 100.32% | | | | | |
| Cd 228.802† | 9895.2 | 0.2552 mg/L | 0.00065 | 0.2552 mg/L | 0.00065 | 0.25% |
| | QC value within limits for Cd 228.802 Recovery = 102.08% | | | | | |
| Co 228.616† | 16907.5 | 0.5120 mg/L | 0.00120 | 0.5120 mg/L | 0.00120 | 0.23% |
| | QC value within limits for Co 228.616 Recovery = 102.41% | | | | | |
| Cr 267.716† | 64808.7 | 0.5090 mg/L | 0.00420 | 0.5090 mg/L | 0.00420 | 0.82% |
| | QC value within limits for Cr 267.716 Recovery = 101.80% | | | | | |
| Cu 324.752† | 117319.0 | 0.5094 mg/L | 0.00436 | 0.5094 mg/L | 0.00436 | 0.86% |
| | QC value within limits for Cu 324.752 Recovery = 101.87% | | | | | |
| Fe 234.349† | 114489.3 | 2.551 mg/L | 0.0225 | 2.551 mg/L | 0.0225 | 0.88% |
| | QC value within limits for Fe 234.349 Recovery = 102.04% | | | | | |
| Fe 238.204† | 241927.6 | 2.553 mg/L | 0.0229 | 2.553 mg/L | 0.0229 | 0.90% |
| | QC value within limits for Fe 238.204 Recovery = 102.13% | | | | | |
| K 766.490† | 54964.0 | 24.83 mg/L | 0.044 | 24.83 mg/L | 0.044 | 0.18% |
| | QC value within limits for K 766.490 Recovery = 99.31% | | | | | |
| Li 670.784† | 42059.9 | 0.5088 mg/L | 0.00086 | 0.5088 mg/L | 0.00086 | 0.17% |
| | QC value within limits for Li 670.784 Recovery = 101.76% | | | | | |
| Mg 279.077† | 89351.7 | 5.095 mg/L | 0.0468 | 5.095 mg/L | 0.0468 | 0.92% |
| | QC value within limits for Mg 279.077 Recovery = 101.91% | | | | | |
| Mn 257.610† | 383636.3 | 0.5127 mg/L | 0.00414 | 0.5127 mg/L | 0.00414 | 0.81% |
| | QC value within limits for Mn 257.610 Recovery = 102.54% | | | | | |
| Mo 202.031† | 6613.7 | 0.5112 mg/L | 0.00361 | 0.5112 mg/L | 0.00361 | 0.71% |
| | QC value within limits for Mo 202.031 Recovery = 102.25% | | | | | |
| Na 589.592 | 190525.7 | 24.57 mg/L | 0.016 | 24.57 mg/L | 0.016 | 0.07% |
| | QC value within limits for Na 589.592 Recovery = 98.30% | | | | | |
| Ni 231.604† | 22306.9 | 0.5127 mg/L | 0.00539 | 0.5127 mg/L | 0.00539 | 1.05% |
| | QC value within limits for Ni 231.604 Recovery = 102.54% | | | | | |
| P 214.914† | 5614.0 | 5.021 mg/L | 0.0075 | 5.021 mg/L | 0.0075 | 0.15% |
| | QC value within limits for P 214.914 Recovery = 100.42% | | | | | |
| Pb 220.353† | 3560.3 | 0.5081 mg/L | 0.00097 | 0.5081 mg/L | 0.00097 | 0.19% |
| | QC value within limits for Pb 220.353 Recovery = 101.62% | | | | | |
| Sb 206.836† | 933.1 | 0.4954 mg/L | 0.00250 | 0.4954 mg/L | 0.00250 | 0.50% |
| | QC value within limits for Sb 206.836 Recovery = 99.09% | | | | | |
| Se 196.026† | 690.8 | 1.007 mg/L | 0.0114 | 1.007 mg/L | 0.0114 | 1.13% |
| | QC value within limits for Se 196.026 Recovery = 100.72% | | | | | |
| Sn 189.927† | 1681.9 | 0.5014 mg/L | 0.00129 | 0.5014 mg/L | 0.00129 | 0.26% |
| | QC value within limits for Sn 189.927 Recovery = 100.29% | | | | | |
| Sr 407.771† | 1017923.3 | 0.0506 mg/L | 0.00004 | 0.0506 mg/L | 0.00004 | 0.09% |
| | QC value within limits for Sr 407.771 Recovery = 101.10% | | | | | |
| Ti 337.279† | 351352.0 | 0.5101 mg/L | 0.00440 | 0.5101 mg/L | 0.00440 | 0.86% |
| | QC value within limits for Ti 337.279 Recovery = 102.03% | | | | | |
| Tl 190.801† | 533.0 | 0.5260 mg/L | 0.01681 | 0.5260 mg/L | 0.01681 | 3.20% |
| | QC value greater than the upper limit for Tl 190.801 Recovery = 105.20% | | | | | |
| V 292.402† | 101330.0 | 0.5152 mg/L | 0.00403 | 0.5152 mg/L | 0.00403 | 0.78% |

QC value within limits for V 292.402 Recovery = 103.03%
 Zn 213.857† 39024.6 0.5061 mg/L 0.00444 0.5061 mg/L 0.00444 0.88%
 QC value within limits for Zn 213.857 Recovery = 101.22%
 QC Failed. Continue with analysis.

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| | |
|--------------------|--------------------------------------|
| Sequence No.: 6 | Autosampler Location: 5 |
| Sample ID: ICV | Date Collected: 8/14/2006 4:01:25 PM |
| Analyst: | Data Type: Original |
| Initial Sample Wt: | Initial Sample Vol: |
| Dilution: | Sample Prep Vol: |

Replicate Data: ICV.

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. Units | Sample Conc. Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------------------|--------------------|---------------|
| 1 | K 766.490† | 52137.9 | 53859.7 | 24.34 mg/L | 24.34 mg/L | 16:03:01 |
| 1 | Li 670.784† | 39740.9 | 40859.5 | 0.4946 mg/L | 0.4946 mg/L | 16:03:01 |
| 1 | Na 589.592 | 186935.1 | 186618.5 | 24.07 mg/L | 24.07 mg/L | 16:03:01 |
| 1 | Y 371.029 | 3170194.6 | 3170194.6 | 0.976 mg/L | 0.976 mg/L | 16:03:15 |
| 1 | Ag 328.068† | 61678.0 | 64969.6 | 0.2552 mg/L | 0.2552 mg/L | 16:03:21 |
| 1 | Al 237.313† | 16542.0 | 17143.8 | 2.489 mg/L | 2.489 mg/L | 16:03:21 |
| 1 | As 188.979† | 298.4 | 301.4 | 0.4863 mg/L | 0.4863 mg/L | 16:03:41 |
| 1 | B 182.528† | 225.1 | 234.0 | 0.5041 mg/L | 0.5041 mg/L | 16:03:41 |
| 1 | Ba 233.527† | 43124.2 | 44298.1 | 0.4978 mg/L | 0.4978 mg/L | 16:03:21 |
| 1 | Be 313.107† | 193818.4 | 197652.1 | 0.0510 mg/L | 0.0510 mg/L | 16:03:21 |
| 1 | Ca 315.886† | 587173.9 | 601211.6 | 5.043 mg/L | 5.043 mg/L | 16:03:15 |
| 1 | Cd 228.802† | 9818.9 | 9917.3 | 0.2558 mg/L | 0.2558 mg/L | 16:03:41 |
| 1 | Co 228.616† | 16210.5 | 16684.8 | 0.5053 mg/L | 0.5053 mg/L | 16:03:41 |
| 1 | Cr 267.716† | 64645.2 | 64561.2 | 0.5071 mg/L | 0.5071 mg/L | 16:03:21 |
| 1 | Cu 324.752† | 115676.6 | 116437.0 | 0.5055 mg/L | 0.5055 mg/L | 16:03:21 |
| 1 | Fe 234.349† | 113422.2 | 114668.8 | 2.555 mg/L | 2.555 mg/L | 16:03:21 |
| 1 | Fe 238.204† | 237212.7 | 242324.7 | 2.557 mg/L | 2.557 mg/L | 16:03:21 |
| 1 | Mg 279.077† | 85389.4 | 87406.0 | 4.984 mg/L | 4.984 mg/L | 16:03:21 |
| 1 | Mn 257.610† | 373228.8 | 380975.1 | 0.5091 mg/L | 0.5091 mg/L | 16:03:21 |
| 1 | Mo 202.031† | 6373.6 | 6490.9 | 0.5017 mg/L | 0.5017 mg/L | 16:03:41 |
| 1 | Ni 231.604† | 22373.6 | 22251.7 | 0.5114 mg/L | 0.5114 mg/L | 16:03:21 |
| 1 | P 214.914† | 5438.7 | 5506.4 | 4.925 mg/L | 4.925 mg/L | 16:03:41 |
| 1 | Pb 220.353† | 3304.2 | 3512.5 | 0.5012 mg/L | 0.5012 mg/L | 16:03:41 |
| 1 | Sb 206.836† | 920.5 | 907.9 | 0.4818 mg/L | 0.4818 mg/L | 16:03:41 |
| 1 | Se 196.026† | 668.1 | 689.7 | 1.006 mg/L | 1.006 mg/L | 16:03:41 |
| 1 | Sn 189.927† | 1720.3 | 1702.0 | 0.5075 mg/L | 0.5075 mg/L | 16:03:41 |
| 1 | Sr 407.771† | 988790.8 | 1013860.3 | 0.0503 mg/L | 0.0503 mg/L | 16:03:15 |
| 1 | Ti 337.279† | 321072.9 | 330689.9 | 0.4801 mg/L | 0.4801 mg/L | 16:03:21 |
| 1 | Tl 190.801† | 470.3 | 501.3 | 0.4958 mg/L | 0.4958 mg/L | 16:03:41 |
| 1 | V 292.402† | 96171.0 | 99819.3 | 0.5075 mg/L | 0.5075 mg/L | 16:03:21 |
| 1 | Zn 213.857† | 38836.8 | 39082.3 | 0.5068 mg/L | 0.5068 mg/L | 16:03:21 |
| 2 | K 766.490† | 52310.7 | 53986.0 | 24.40 mg/L | 24.40 mg/L | 16:03:07 |
| 2 | Li 670.784† | 39815.8 | 40897.6 | 0.4950 mg/L | 0.4950 mg/L | 16:03:07 |
| 2 | Na 589.592 | 187963.5 | 187646.9 | 24.21 mg/L | 24.21 mg/L | 16:03:07 |
| 2 | Y 371.029 | 3173200.3 | 3173200.3 | 0.976 mg/L | 0.976 mg/L | 16:03:47 |
| 2 | Ag 328.068† | 61685.0 | 64916.9 | 0.2550 mg/L | 0.2550 mg/L | 16:03:53 |
| 2 | Al 237.313† | 16439.8 | 17023.1 | 2.472 mg/L | 2.472 mg/L | 16:03:53 |
| 2 | As 188.979† | 294.6 | 297.3 | 0.4797 mg/L | 0.4797 mg/L | 16:04:13 |
| 2 | B 182.528† | 220.3 | 228.9 | 0.4932 mg/L | 0.4932 mg/L | 16:04:13 |
| 2 | Ba 233.527† | 43095.3 | 44226.6 | 0.4970 mg/L | 0.4970 mg/L | 16:03:53 |
| 2 | Be 313.107† | 193639.3 | 197280.6 | 0.0509 mg/L | 0.0509 mg/L | 16:03:53 |
| 2 | Ca 315.886† | 587670.2 | 601149.7 | 5.042 mg/L | 5.042 mg/L | 16:03:47 |
| 2 | Cd 228.802† | 9780.4 | 9868.3 | 0.2546 mg/L | 0.2546 mg/L | 16:04:13 |
| 2 | Co 228.616† | 16170.9 | 16628.4 | 0.5036 mg/L | 0.5036 mg/L | 16:04:13 |
| 2 | Cr 267.716† | 64456.8 | 64305.5 | 0.5050 mg/L | 0.5050 mg/L | 16:03:53 |
| 2 | Cu 324.752† | 115398.1 | 116039.5 | 0.5038 mg/L | 0.5038 mg/L | 16:03:53 |
| 2 | Fe 234.349† | 113294.4 | 114427.9 | 2.550 mg/L | 2.550 mg/L | 16:03:53 |
| 2 | Fe 238.204† | 237000.0 | 241876.5 | 2.553 mg/L | 2.553 mg/L | 16:03:53 |
| 2 | Mg 279.077† | 85219.1 | 87148.7 | 4.969 mg/L | 4.969 mg/L | 16:03:53 |
| 2 | Mn 257.610† | 372535.6 | 379902.9 | 0.5077 mg/L | 0.5077 mg/L | 16:03:53 |
| 2 | Mo 202.031† | 6394.2 | 6505.8 | 0.5029 mg/L | 0.5029 mg/L | 16:04:13 |
| 2 | Ni 231.604† | 22283.8 | 22138.0 | 0.5088 mg/L | 0.5088 mg/L | 16:03:53 |
| 2 | P 214.914† | 5426.6 | 5488.9 | 4.909 mg/L | 4.909 mg/L | 16:04:13 |
| 2 | Pb 220.353† | 3294.8 | 3499.7 | 0.4994 mg/L | 0.4994 mg/L | 16:04:13 |
| 2 | Sb 206.836† | 917.4 | 903.9 | 0.4797 mg/L | 0.4797 mg/L | 16:04:13 |
| 2 | Se 196.026† | 669.6 | 690.5 | 1.007 mg/L | 1.007 mg/L | 16:04:13 |

| | | | | | | |
|---|-------------|----------|-----------|-------------|-------------|----------|
| 2 | Sn 189.927† | 1716.4 | 1696.4 | 0.5058 mg/L | 0.5058 mg/L | 16:04:13 |
| 2 | Sr 407.771† | 989737.9 | 1013870.2 | 0.0503 mg/L | 0.0503 mg/L | 16:03:47 |
| 2 | Ti 337.279† | 322678.3 | 332022.2 | 0.4820 mg/L | 0.4820 mg/L | 16:03:53 |
| 2 | Tl 190.801† | 494.2 | 525.3 | 0.5187 mg/L | 0.5187 mg/L | 16:04:13 |
| 2 | V 292.402† | 96045.7 | 99597.6 | 0.5064 mg/L | 0.5064 mg/L | 16:03:53 |
| 2 | Zn 213.857† | 38982.5 | 39193.7 | 0.5083 mg/L | 0.5083 mg/L | 16:03:53 |

Mean Data: ICV

| Analyte | Mean Corrected Intensity | Conc. Units | Calib | Std.Dev. | Sample Conc. Units | Std.Dev. | RSD |
|-------------|--|-------------|-------|----------|--------------------|----------|-------|
| Y 371.029 | 3171697.4 | 0.976 mg/L | | 0.0007 | | | 0.07% |
| Ag 328.068† | 64943.2 | 0.2551 mg/L | | 0.00015 | 0.2551 mg/L | 0.00015 | 0.06% |
| | QC value within limits for Ag 328.068 Recovery = 102.04% | | | | | | |
| Al 237.313† | 17083.4 | 2.481 mg/L | | 0.0124 | 2.481 mg/L | 0.0124 | 0.50% |
| | QC value within limits for Al 237.313 Recovery = 99.22% | | | | | | |
| As 188.979† | 299.4 | 0.4830 mg/L | | 0.00472 | 0.4830 mg/L | 0.00472 | 0.98% |
| | QC value within limits for As 188.979 Recovery = 96.60% | | | | | | |
| B 182.528† | 231.4 | 0.4986 mg/L | | 0.00768 | 0.4986 mg/L | 0.00768 | 1.54% |
| | QC value within limits for B 182.528 Recovery = 99.73% | | | | | | |
| Ba 233.527† | 44262.4 | 0.4974 mg/L | | 0.00057 | 0.4974 mg/L | 0.00057 | 0.11% |
| | QC value within limits for Ba 233.527 Recovery = 99.47% | | | | | | |
| Be 313.107† | 197466.4 | 0.0510 mg/L | | 0.00007 | 0.0510 mg/L | 0.00007 | 0.14% |
| | QC value within limits for Be 313.107 Recovery = 101.90% | | | | | | |
| Ca 315.886† | 601180.6 | 5.042 mg/L | | 0.0004 | 5.042 mg/L | 0.0004 | 0.01% |
| | QC value within limits for Ca 315.886 Recovery = 100.85% | | | | | | |
| Cd 228.802† | 9892.8 | 0.2552 mg/L | | 0.00088 | 0.2552 mg/L | 0.00088 | 0.34% |
| | QC value within limits for Cd 228.802 Recovery = 102.09% | | | | | | |
| Co 228.616† | 16656.6 | 0.5044 mg/L | | 0.00122 | 0.5044 mg/L | 0.00122 | 0.24% |
| | QC value within limits for Co 228.616 Recovery = 100.89% | | | | | | |
| Cr 267.716† | 64433.4 | 0.5060 mg/L | | 0.00142 | 0.5060 mg/L | 0.00142 | 0.28% |
| | QC value within limits for Cr 267.716 Recovery = 101.21% | | | | | | |
| Cu 324.752† | 116238.3 | 0.5046 mg/L | | 0.00122 | 0.5046 mg/L | 0.00122 | 0.24% |
| | QC value within limits for Cu 324.752 Recovery = 100.93% | | | | | | |
| Fe 234.349† | 114548.3 | 2.552 mg/L | | 0.0038 | 2.552 mg/L | 0.0038 | 0.15% |
| | QC value within limits for Fe 234.349 Recovery = 102.10% | | | | | | |
| Fe 238.204† | 242100.6 | 2.555 mg/L | | 0.0034 | 2.555 mg/L | 0.0034 | 0.13% |
| | QC value within limits for Fe 238.204 Recovery = 102.20% | | | | | | |
| K 766.490† | 53922.8 | 24.37 mg/L | | 0.039 | 24.37 mg/L | 0.039 | 0.16% |
| | QC value within limits for K 766.490 Recovery = 97.48% | | | | | | |
| Li 670.784† | 40878.6 | 0.4948 mg/L | | 0.00032 | 0.4948 mg/L | 0.00032 | 0.06% |
| | QC value within limits for Li 670.784 Recovery = 98.96% | | | | | | |
| Mg 279.077† | 87277.4 | 4.977 mg/L | | 0.0104 | 4.977 mg/L | 0.0104 | 0.21% |
| | QC value within limits for Mg 279.077 Recovery = 99.53% | | | | | | |
| Mn 257.610† | 380439.0 | 0.5084 mg/L | | 0.00102 | 0.5084 mg/L | 0.00102 | 0.20% |
| | QC value within limits for Mn 257.610 Recovery = 101.68% | | | | | | |
| Mo 202.031† | 6498.4 | 0.5023 mg/L | | 0.00081 | 0.5023 mg/L | 0.00081 | 0.16% |
| | QC value within limits for Mo 202.031 Recovery = 100.46% | | | | | | |
| Na 589.592 | 187132.7 | 24.14 mg/L | | 0.093 | 24.14 mg/L | 0.093 | 0.39% |
| | QC value within limits for Na 589.592 Recovery = 96.56% | | | | | | |
| Ni 231.604† | 22194.8 | 0.5101 mg/L | | 0.00186 | 0.5101 mg/L | 0.00186 | 0.36% |
| | QC value within limits for Ni 231.604 Recovery = 102.02% | | | | | | |
| P 214.914† | 5497.7 | 4.917 mg/L | | 0.0111 | 4.917 mg/L | 0.0111 | 0.23% |
| | QC value within limits for P 214.914 Recovery = 98.34% | | | | | | |
| Pb 220.353† | 3506.1 | 0.5003 mg/L | | 0.00130 | 0.5003 mg/L | 0.00130 | 0.26% |
| | QC value within limits for Pb 220.353 Recovery = 100.07% | | | | | | |
| Sb 206.836† | 905.9 | 0.4807 mg/L | | 0.00152 | 0.4807 mg/L | 0.00152 | 0.32% |
| | QC value within limits for Sb 206.836 Recovery = 96.15% | | | | | | |
| Se 196.026† | 690.1 | 1.006 mg/L | | 0.0009 | 1.006 mg/L | 0.0009 | 0.09% |
| | QC value within limits for Se 196.026 Recovery = 100.62% | | | | | | |
| Sn 189.927† | 1699.2 | 0.5066 mg/L | | 0.00121 | 0.5066 mg/L | 0.00121 | 0.24% |
| | QC value within limits for Sn 189.927 Recovery = 101.33% | | | | | | |
| Sr 407.771† | 1013865.3 | 0.0503 mg/L | | 0.00000 | 0.0503 mg/L | 0.00000 | 0.00% |
| | QC value within limits for Sr 407.771 Recovery = 100.70% | | | | | | |
| Ti 337.279† | 331356.1 | 0.4811 mg/L | | 0.00137 | 0.4811 mg/L | 0.00137 | 0.28% |
| | QC value within limits for Ti 337.279 Recovery = 96.21% | | | | | | |
| Tl 190.801† | 513.3 | 0.5072 mg/L | | 0.01619 | 0.5072 mg/L | 0.01619 | 3.19% |
| | QC value within limits for Tl 190.801 Recovery = 101.44% | | | | | | |
| V 292.402† | 99708.5 | 0.5069 mg/L | | 0.00077 | 0.5069 mg/L | 0.00077 | 0.15% |
| | QC value within limits for V 292.402 Recovery = 101.39% | | | | | | |
| Zn 213.857† | 39138.0 | 0.5076 mg/L | | 0.00105 | 0.5076 mg/L | 0.00105 | 0.21% |
| | QC value within limits for Zn 213.857 Recovery = 101.51% | | | | | | |

All analyte(s) passed QC.

Sequence No.: 7
 Sample ID: ICCB
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 1
 Date Collected: 8/14/2006 4:05:53 PM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Replicate Data: ICCB

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. Units | Sample Conc. Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------------------|--------------------|---------------|
| 1 | K 766.490† | -354.5 | 57.9 | 0.6457 mg/L | 0.6457 mg/L | 16:07:28 |
| 1 | Li 670.784† | -77.7 | 44.6 | 0.0105 mg/L | 0.0105 mg/L | 16:07:28 |
| 1 | Na 589.592 | 335.7 | 19.1 | 0.1848 mg/L | 0.1848 mg/L | 16:07:28 |
| 1 | Y 371.029 | 3220262.5 | 3220262.5 | 0.991 mg/L | | 16:07:41 |
| 1 | Ag 328.068† | -1467.7 | 265.3 | 0.0012 mg/L | 0.0012 mg/L | 16:07:46 |
| 1 | Al 237.313† | -195.8 | -10.2 | -0.0020 mg/L | -0.0020 mg/L | 16:07:46 |
| 1 | As 188.979† | 4.2 | -0.1 | 0.0004 mg/L | 0.0004 mg/L | 16:08:06 |
| 1 | B 182.528† | 1.1 | 4.4 | 0.0147 mg/L | 0.0147 mg/L | 16:08:06 |
| 1 | Ba 233.527† | -85.5 | 7.3 | -0.0011 mg/L | -0.0011 mg/L | 16:08:06 |
| 1 | Be 313.107† | 1110.6 | 98.8 | -0.0001 mg/L | -0.0001 mg/L | 16:07:46 |
| 1 | Ca 315.886† | 736.4 | 70.2 | -0.0223 mg/L | -0.0223 mg/L | 16:07:46 |
| 1 | Cd 228.802† | 139.0 | -7.4 | -0.0013 mg/L | -0.0013 mg/L | 16:08:06 |
| 1 | Co 228.616† | -66.4 | 1.1 | -0.0037 mg/L | -0.0037 mg/L | 16:08:06 |
| 1 | Cr 267.716† | 1701.5 | 13.4 | -0.0013 mg/L | -0.0013 mg/L | 16:07:46 |
| 1 | Cu 324.752† | 2316.7 | 200.3 | -0.0019 mg/L | -0.0019 mg/L | 16:07:46 |
| 1 | Fe 234.349† | 1636.0 | 56.0 | -0.0096 mg/L | -0.0096 mg/L | 16:07:46 |
| 1 | Fe 238.204† | 952.5 | 130.2 | -0.0087 mg/L | -0.0087 mg/L | 16:08:06 |
| 1 | Mg 279.077† | 160.4 | 39.3 | -0.0162 mg/L | -0.0162 mg/L | 16:07:46 |
| 1 | Mn 257.610† | 741.8 | -855.7 | -0.0039 mg/L | -0.0039 mg/L | 16:07:46 |
| 1 | Mo 202.031† | 97.8 | 56.3 | 0.0034 mg/L | 0.0034 mg/L | 16:08:06 |
| 1 | Ni 231.604† | 652.3 | -24.2 | -0.0042 mg/L | -0.0042 mg/L | 16:07:46 |
| 1 | P 214.914† | 76.1 | 8.3 | 0.0218 mg/L | 0.0218 mg/L | 16:08:06 |
| 1 | Pb 220.353† | -117.2 | 7.3 | -0.0007 mg/L | -0.0007 mg/L | 16:08:06 |
| 1 | Sb 206.836† | 35.4 | 0.1 | -0.0011 mg/L | -0.0011 mg/L | 16:08:06 |
| 1 | Se 196.026† | -1.6 | 3.1 | 0.0052 mg/L | 0.0052 mg/L | 16:08:06 |
| 1 | Sn 189.927† | 58.6 | -2.3 | -0.0080 mg/L | -0.0080 mg/L | 16:08:06 |
| 1 | Sr 407.771† | -273.8 | 21.0 | -0.0002 mg/L | -0.0002 mg/L | 16:07:41 |
| 1 | Ti 337.279† | -1479.5 | 80.2 | -0.0007 mg/L | -0.0007 mg/L | 16:07:46 |
| 1 | Tl 190.801† | 12.9 | 32.1 | 0.0453 mg/L | 0.0453 mg/L | 16:08:06 |
| 1 | V 292.402† | -1294.1 | -67.0 | -0.0006 mg/L | -0.0006 mg/L | 16:07:46 |
| 1 | Zn 213.857† | 780.2 | 59.8 | -0.0024 mg/L | -0.0024 mg/L | 16:08:06 |
| 2 | K 766.490† | -404.0 | 10.2 | 0.6247 mg/L | 0.6247 mg/L | 16:07:33 |
| 2 | Li 670.784† | -105.1 | 17.6 | 0.0102 mg/L | 0.0102 mg/L | 16:07:33 |
| 2 | Na 589.592 | 312.9 | -3.7 | 0.1819 mg/L | 0.1819 mg/L | 16:07:33 |
| 2 | Y 371.029 | 3237985.7 | 3237985.7 | 0.996 mg/L | | 16:08:12 |
| 2 | Ag 328.068† | -1505.4 | 235.6 | 0.0011 mg/L | 0.0011 mg/L | 16:08:18 |
| 2 | Al 237.313† | -177.0 | 9.7 | 0.0009 mg/L | 0.0009 mg/L | 16:08:18 |
| 2 | As 188.979† | 4.4 | 0.1 | 0.0007 mg/L | 0.0007 mg/L | 16:08:38 |
| 2 | B 182.528† | 1.1 | 4.3 | 0.0146 mg/L | 0.0146 mg/L | 16:08:38 |
| 2 | Ba 233.527† | -78.1 | 15.2 | -0.0010 mg/L | -0.0010 mg/L | 16:08:38 |
| 2 | Be 313.107† | 1148.4 | 130.5 | -0.0001 mg/L | -0.0001 mg/L | 16:08:18 |
| 2 | Ca 315.886† | 771.9 | 101.8 | -0.0220 mg/L | -0.0220 mg/L | 16:08:18 |
| 2 | Cd 228.802† | 146.3 | -0.8 | -0.0011 mg/L | -0.0011 mg/L | 16:08:38 |
| 2 | Co 228.616† | -53.0 | 14.9 | -0.0033 mg/L | -0.0033 mg/L | 16:08:38 |
| 2 | Cr 267.716† | 1671.7 | -25.8 | -0.0016 mg/L | -0.0016 mg/L | 16:08:18 |
| 2 | Cu 324.752† | 2313.7 | 184.5 | -0.0020 mg/L | -0.0020 mg/L | 16:08:18 |
| 2 | Fe 234.349† | 1579.9 | -9.3 | -0.0111 mg/L | -0.0111 mg/L | 16:08:18 |
| 2 | Fe 238.204† | 897.7 | 70.0 | -0.0093 mg/L | -0.0093 mg/L | 16:08:38 |
| 2 | Mg 279.077† | 154.4 | 32.3 | -0.0166 mg/L | -0.0166 mg/L | 16:08:18 |
| 2 | Mn 257.610† | 722.2 | -879.4 | -0.0040 mg/L | -0.0040 mg/L | 16:08:18 |
| 2 | Mo 202.031† | 80.1 | 38.0 | 0.0019 mg/L | 0.0019 mg/L | 16:08:38 |
| 2 | Ni 231.604† | 670.3 | -9.7 | -0.0038 mg/L | -0.0038 mg/L | 16:08:18 |
| 2 | P 214.914† | 69.0 | 0.8 | 0.0150 mg/L | 0.0150 mg/L | 16:08:38 |
| 2 | Pb 220.353† | -126.3 | -1.2 | -0.0019 mg/L | -0.0019 mg/L | 16:08:38 |
| 2 | Sb 206.836† | 35.3 | -0.1 | -0.0012 mg/L | -0.0012 mg/L | 16:08:38 |
| 2 | Se 196.026† | -5.7 | -0.9 | -0.0007 mg/L | -0.0007 mg/L | 16:08:38 |
| 2 | Sn 189.927† | 53.5 | -7.8 | -0.0097 mg/L | -0.0097 mg/L | 16:08:38 |
| 2 | Sr 407.771† | -377.2 | -81.2 | -0.0002 mg/L | -0.0002 mg/L | 16:08:12 |
| 2 | Ti 337.279† | -1608.8 | -41.4 | -0.0008 mg/L | -0.0008 mg/L | 16:08:18 |

| | | | | | | |
|---|-------------|---------|------|--------------|--------------|----------|
| 2 | Tl 190.801† | 8.6 | 27.8 | 0.0411 mg/L | 0.0411 mg/L | 16:08:38 |
| 2 | V 292.402† | -1165.1 | 69.7 | 0.0001 mg/L | 0.0001 mg/L | 16:08:18 |
| 2 | Zn 213.857† | 790.6 | 66.0 | -0.0023 mg/L | -0.0023 mg/L | 16:08:38 |

Mean Data: ICCB

| Analyte | Mean Corrected Intensity | Conc. Units | Calib | Std.Dev. | Sample Conc. Units | Std.Dev. | RSD |
|--|--------------------------|--------------|-------|----------|--------------------|----------|---------|
| Y 371.029 | 3229124.1 | 0.994 mg/L | | 0.0039 | | | 0.39% |
| Ag 328.068† | 250.4 | 0.0012 mg/L | | 0.00008 | 0.0012 mg/L | 0.00008 | 6.96% |
| QC value within limits for Ag 328.068 Recovery = Not calculated | | | | | | | |
| Al 237.313† | -0.2 | -0.0005 mg/L | | 0.00205 | -0.0005 mg/L | 0.00205 | 378.58% |
| QC value within limits for Al 237.313 Recovery = Not calculated | | | | | | | |
| As 188.979† | -0.0 | 0.0006 mg/L | | 0.00023 | 0.0006 mg/L | 0.00023 | 39.35% |
| QC value within limits for As 188.979 Recovery = Not calculated | | | | | | | |
| B 182.528† | 4.4 | 0.0147 mg/L | | 0.00008 | 0.0147 mg/L | 0.00008 | 0.53% |
| QC value within limits for B 182.528 Recovery = Not calculated | | | | | | | |
| Ba 233.527† | 11.2 | -0.0011 mg/L | | 0.00006 | -0.0011 mg/L | 0.00006 | 5.84% |
| QC value within limits for Ba 233.527 Recovery = Not calculated | | | | | | | |
| Be 313.107† | 114.7 | -0.0001 mg/L | | 0.00001 | -0.0001 mg/L | 0.00001 | 7.42% |
| QC value within limits for Be 313.107 Recovery = Not calculated | | | | | | | |
| Ca 315.886† | 86.0 | -0.0222 mg/L | | 0.00019 | -0.0222 mg/L | 0.00019 | 0.87% |
| QC value less than the lower limit for Ca 315.886 Recovery = Not calculated | | | | | | | |
| Cd 228.802† | -4.1 | -0.0012 mg/L | | 0.00012 | -0.0012 mg/L | 0.00012 | 10.26% |
| QC value within limits for Cd 228.802 Recovery = Not calculated | | | | | | | |
| Co 228.616† | 8.0 | -0.0035 mg/L | | 0.00030 | -0.0035 mg/L | 0.00030 | 8.64% |
| QC value less than the lower limit for Co 228.616 Recovery = Not calculated | | | | | | | |
| Cr 267.716† | -6.2 | -0.0014 mg/L | | 0.00022 | -0.0014 mg/L | 0.00022 | 15.24% |
| QC value within limits for Cr 267.716 Recovery = Not calculated | | | | | | | |
| Cu 324.752† | 192.4 | -0.0020 mg/L | | 0.00005 | -0.0020 mg/L | 0.00005 | 2.49% |
| QC value within limits for Cu 324.752 Recovery = Not calculated | | | | | | | |
| Fe 234.349† | 23.4 | -0.0104 mg/L | | 0.00104 | -0.0104 mg/L | 0.00104 | 10.00% |
| QC value within limits for Fe 234.349 Recovery = Not calculated | | | | | | | |
| Fe 238.204† | 100.1 | -0.0090 mg/L | | 0.00045 | -0.0090 mg/L | 0.00045 | 4.99% |
| QC value within limits for Fe 238.204 Recovery = Not calculated | | | | | | | |
| K 766.490† | 34.0 | 0.6352 mg/L | | 0.01486 | 0.6352 mg/L | 0.01486 | 2.34% |
| QC value greater than the upper limit for K 766.490 Recovery = Not calculated | | | | | | | |
| Li 670.784† | 31.1 | 0.0104 mg/L | | 0.00023 | 0.0104 mg/L | 0.00023 | 2.18% |
| QC value within limits for Li 670.784 Recovery = Not calculated | | | | | | | |
| Mg 279.077† | 35.8 | -0.0164 mg/L | | 0.00028 | -0.0164 mg/L | 0.00028 | 1.71% |
| QC value less than the lower limit for Mg 279.077 Recovery = Not calculated | | | | | | | |
| Mn 257.610† | -867.6 | -0.0039 mg/L | | 0.00002 | -0.0039 mg/L | 0.00002 | 0.57% |
| QC value within limits for Mn 257.610 Recovery = Not calculated | | | | | | | |
| Mo 202.031† | 47.2 | 0.0027 mg/L | | 0.00100 | 0.0027 mg/L | 0.00100 | 37.60% |
| QC value within limits for Mo 202.031 Recovery = Not calculated | | | | | | | |
| Na 589.592 | 7.7 | 0.1833 mg/L | | 0.00206 | 0.1833 mg/L | 0.00206 | 1.12% |
| QC value within limits for Na 589.592 Recovery = Not calculated | | | | | | | |
| Ni 231.604† | -17.0 | -0.0040 mg/L | | 0.00024 | -0.0040 mg/L | 0.00024 | 5.93% |
| QC value less than the lower limit for Ni 231.604 Recovery = Not calculated | | | | | | | |
| P 214.914† | 4.6 | 0.0184 mg/L | | 0.00477 | 0.0184 mg/L | 0.00477 | 25.93% |
| QC value within limits for P 214.914 Recovery = Not calculated | | | | | | | |
| Pb 220.353† | 3.1 | -0.0013 mg/L | | 0.00086 | -0.0013 mg/L | 0.00086 | 67.57% |
| QC value within limits for Pb 220.353 Recovery = Not calculated | | | | | | | |
| Sb 206.836† | -0.0 | -0.0012 mg/L | | 0.00009 | -0.0012 mg/L | 0.00009 | 7.66% |
| QC value within limits for Sb 206.836 Recovery = Not calculated | | | | | | | |
| Se 196.026† | 1.1 | 0.0022 mg/L | | 0.00418 | 0.0022 mg/L | 0.00418 | 185.91% |
| QC value within limits for Se 196.026 Recovery = Not calculated | | | | | | | |
| Sn 189.927† | -5.0 | -0.0088 mg/L | | 0.00116 | -0.0088 mg/L | 0.00116 | 13.19% |
| QC value within limits for Sn 189.927 Recovery = Not calculated | | | | | | | |
| Sr 407.771† | -30.1 | -0.0002 mg/L | | 0.00000 | -0.0002 mg/L | 0.00000 | 1.76% |
| QC value within limits for Sr 407.771 Recovery = Not calculated | | | | | | | |
| Ti 337.279† | 19.4 | -0.0008 mg/L | | 0.00013 | -0.0008 mg/L | 0.00013 | 16.52% |
| QC value within limits for Ti 337.279 Recovery = Not calculated | | | | | | | |
| Tl 190.801† | 30.0 | 0.0432 mg/L | | 0.00290 | 0.0432 mg/L | 0.00290 | 6.72% |
| QC value greater than the upper limit for Tl 190.801 Recovery = Not calculated | | | | | | | |
| V 292.402† | 1.3 | -0.0002 mg/L | | 0.00047 | -0.0002 mg/L | 0.00047 | 193.14% |
| QC value within limits for V 292.402 Recovery = Not calculated | | | | | | | |
| Zn 213.857† | 62.9 | -0.0023 mg/L | | 0.00006 | -0.0023 mg/L | 0.00006 | 2.46% |
| QC value within limits for Zn 213.857 Recovery = Not calculated | | | | | | | |
| QC Failed. Continue with analysis. | | | | | | | |

Sequence No.: 8
 Sample ID: CRI1
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 6
 Date Collected: 8/14/2006 4:10:15 PM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Replicate Data: CRI1

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. Units | Sample Conc. Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------------------|--------------------|---------------|
| 1 | K 766.490† | 4161.2 | 4642.6 | 2.665 mg/L | 2.665 mg/L | 16:11:51 |
| 1 | Li 670.784† | 3435.0 | 3612.3 | 0.0529 mg/L | 0.0529 mg/L | 16:11:51 |
| 1 | Na 589.592 | 18295.4 | 17978.7 | 2.484 mg/L | 2.484 mg/L | 16:11:51 |
| 1 | Y 371.029 | 3199078.9 | 3199078.9 | 0.984 mg/L | | 16:12:04 |
| 1 | Ag 328.068† | 4500.4 | 6317.9 | 0.0250 mg/L | 0.0250 mg/L | 16:12:09 |
| 1 | Al 237.313† | 1501.0 | 1712.1 | 0.2482 mg/L | 0.2482 mg/L | 16:12:29 |
| 1 | As 188.979† | 36.8 | 33.0 | 0.0538 mg/L | 0.0538 mg/L | 16:12:29 |
| 1 | B 182.528† | 20.8 | 24.4 | 0.0574 mg/L | 0.0574 mg/L | 16:12:29 |
| 1 | Ba 233.527† | 4286.2 | 4447.4 | 0.0489 mg/L | 0.0489 mg/L | 16:12:29 |
| 1 | Be 313.107† | 19782.3 | 19072.9 | 0.0048 mg/L | 0.0048 mg/L | 16:12:09 |
| 1 | Ca 315.886† | 59847.3 | 60119.9 | 0.4837 mg/L | 0.4837 mg/L | 16:12:09 |
| 1 | Cd 228.802† | 1082.9 | 952.4 | 0.0236 mg/L | 0.0236 mg/L | 16:12:29 |
| 1 | Co 228.616† | 1548.7 | 1641.3 | 0.0464 mg/L | 0.0464 mg/L | 16:12:29 |
| 1 | Cr 267.716† | 7915.8 | 6337.3 | 0.0485 mg/L | 0.0485 mg/L | 16:12:09 |
| 1 | Cu 324.752† | 13532.9 | 11609.1 | 0.0479 mg/L | 0.0479 mg/L | 16:12:09 |
| 1 | Fe 234.349† | 12466.6 | 11068.6 | 0.2368 mg/L | 0.2368 mg/L | 16:12:09 |
| 1 | Fe 238.204† | 23992.2 | 23540.3 | 0.2393 mg/L | 0.2393 mg/L | 16:12:09 |
| 1 | Mg 279.077† | 8739.9 | 8755.3 | 0.4826 mg/L | 0.4826 mg/L | 16:12:09 |
| 1 | Mn 257.610† | 37817.2 | 36810.4 | 0.0467 mg/L | 0.0467 mg/L | 16:12:09 |
| 1 | Mo 202.031† | 700.4 | 669.1 | 0.0508 mg/L | 0.0508 mg/L | 16:12:29 |
| 1 | Ni 231.604† | 2832.2 | 2194.5 | 0.0472 mg/L | 0.0472 mg/L | 16:12:29 |
| 1 | P 214.914† | 606.7 | 547.8 | 0.5028 mg/L | 0.5028 mg/L | 16:12:29 |
| 1 | Pb 220.353† | 215.8 | 344.8 | 0.0477 mg/L | 0.0477 mg/L | 16:12:29 |
| 1 | Sb 206.836† | 126.8 | 93.2 | 0.0485 mg/L | 0.0485 mg/L | 16:12:29 |
| 1 | Se 196.026† | 64.8 | 70.6 | 0.1035 mg/L | 0.1035 mg/L | 16:12:29 |
| 1 | Sn 189.927† | 220.0 | 162.1 | 0.0417 mg/L | 0.0417 mg/L | 16:12:29 |
| 1 | Sr 407.771† | 100316.9 | 102199.0 | 0.0049 mg/L | 0.0049 mg/L | 16:12:04 |
| 1 | Ti 337.279† | 32049.4 | 34128.9 | 0.0488 mg/L | 0.0488 mg/L | 16:12:09 |
| 1 | Tl 190.801† | 35.7 | 55.4 | 0.0677 mg/L | 0.0677 mg/L | 16:12:29 |
| 1 | V 292.402† | 8482.5 | 9855.5 | 0.0499 mg/L | 0.0499 mg/L | 16:12:09 |
| 1 | Zn 213.857† | 4598.8 | 3943.9 | 0.0483 mg/L | 0.0483 mg/L | 16:12:29 |
| 2 | K 766.490† | 4157.9 | 4609.9 | 2.651 mg/L | 2.651 mg/L | 16:11:56 |
| 2 | Li 670.784† | 3447.2 | 3600.4 | 0.0527 mg/L | 0.0527 mg/L | 16:11:56 |
| 2 | Na 589.592 | 18275.7 | 17959.1 | 2.482 mg/L | 2.482 mg/L | 16:11:56 |
| 2 | Y 371.029 | 3221439.5 | 3221439.5 | 0.991 mg/L | | 16:12:35 |
| 2 | Ag 328.068† | 4524.3 | 6310.2 | 0.0250 mg/L | 0.0250 mg/L | 16:12:41 |
| 2 | Al 237.313† | 1496.4 | 1696.9 | 0.2460 mg/L | 0.2460 mg/L | 16:13:01 |
| 2 | As 188.979† | 33.8 | 29.7 | 0.0484 mg/L | 0.0484 mg/L | 16:13:01 |
| 2 | B 182.528† | 23.1 | 26.6 | 0.0621 mg/L | 0.0621 mg/L | 16:13:01 |
| 2 | Ba 233.527† | 4323.9 | 4455.2 | 0.0490 mg/L | 0.0490 mg/L | 16:13:01 |
| 2 | Be 313.107† | 19950.8 | 19103.3 | 0.0048 mg/L | 0.0048 mg/L | 16:12:41 |
| 2 | Ca 315.886† | 60057.0 | 59909.4 | 0.4819 mg/L | 0.4819 mg/L | 16:12:41 |
| 2 | Cd 228.802† | 1103.9 | 966.0 | 0.0239 mg/L | 0.0239 mg/L | 16:13:01 |
| 2 | Co 228.616† | 1588.7 | 1670.7 | 0.0472 mg/L | 0.0472 mg/L | 16:13:01 |
| 2 | Cr 267.716† | 7999.7 | 6366.1 | 0.0487 mg/L | 0.0487 mg/L | 16:12:41 |
| 2 | Cu 324.752† | 13604.4 | 11585.8 | 0.0478 mg/L | 0.0478 mg/L | 16:12:41 |
| 2 | Fe 234.349† | 12636.3 | 11151.9 | 0.2386 mg/L | 0.2386 mg/L | 16:12:41 |
| 2 | Fe 238.204† | 24158.5 | 23538.9 | 0.2393 mg/L | 0.2393 mg/L | 16:12:41 |
| 2 | Mg 279.077† | 8675.5 | 8628.8 | 0.4754 mg/L | 0.4754 mg/L | 16:12:41 |
| 2 | Mn 257.610† | 38033.7 | 36762.1 | 0.0466 mg/L | 0.0466 mg/L | 16:12:41 |
| 2 | Mo 202.031† | 710.6 | 674.4 | 0.0512 mg/L | 0.0512 mg/L | 16:13:01 |
| 2 | Ni 231.604† | 2870.8 | 2213.5 | 0.0476 mg/L | 0.0476 mg/L | 16:13:01 |
| 2 | P 214.914† | 606.6 | 543.4 | 0.4989 mg/L | 0.4989 mg/L | 16:13:01 |
| 2 | Pb 220.353† | 213.5 | 340.9 | 0.0471 mg/L | 0.0471 mg/L | 16:13:01 |
| 2 | Sb 206.836† | 114.5 | 79.9 | 0.0412 mg/L | 0.0412 mg/L | 16:13:01 |
| 2 | Se 196.026† | 59.5 | 64.8 | 0.0951 mg/L | 0.0951 mg/L | 16:13:01 |
| 2 | Sn 189.927† | 227.9 | 168.5 | 0.0437 mg/L | 0.0437 mg/L | 16:13:01 |
| 2 | Sr 407.771† | 101033.4 | 102214.5 | 0.0049 mg/L | 0.0049 mg/L | 16:12:35 |
| 2 | Ti 337.279† | 35301.8 | 37183.8 | 0.0533 mg/L | 0.0533 mg/L | 16:12:41 |
| 2 | Tl 190.801† | 44.5 | 64.0 | 0.0759 mg/L | 0.0759 mg/L | 16:13:01 |
| 2 | V 292.402† | 8478.2 | 9791.2 | 0.0495 mg/L | 0.0495 mg/L | 16:12:41 |
| 2 | Zn 213.857† | 4622.5 | 3935.4 | 0.0482 mg/L | 0.0482 mg/L | 16:13:01 |

Mean Data: CRI1

| Analyte | Mean Corrected Intensity | Calib Conc. Units | Std.Dev. | Sample Conc. Units | Std.Dev. | RSD |
|--|--------------------------|--------------------|----------|--------------------|----------|--------|
| Y 371.029 | 3210259.2 | 0.988 mg/L | 0.0049 | | | 0.49% |
| Ag 328.068† | 6314.0 | 0.0250 mg/L | 0.00002 | 0.0250 mg/L | 0.00002 | 0.08% |
| QC value within limits for Ag 328.068 | | Recovery = 99.96% | | | | |
| Al 237.313† | 1704.5 | 0.2471 mg/L | 0.00156 | 0.2471 mg/L | 0.00156 | 0.63% |
| QC value within limits for Al 237.313 | | Recovery = 98.83% | | | | |
| As 188.979† | 31.3 | 0.0511 mg/L | 0.00382 | 0.0511 mg/L | 0.00382 | 7.48% |
| QC value within limits for As 188.979 | | Recovery = 102.27% | | | | |
| B 182.528† | 25.5 | 0.0598 mg/L | 0.00330 | 0.0598 mg/L | 0.00330 | 5.52% |
| QC value within limits for B 182.528 | | Recovery = 119.55% | | | | |
| Ba 233.527† | 4451.3 | 0.0490 mg/L | 0.00006 | 0.0490 mg/L | 0.00006 | 0.13% |
| QC value within limits for Ba 233.527 | | Recovery = 97.90% | | | | |
| Be 313.107† | 19088.1 | 0.0048 mg/L | 0.00000 | 0.0048 mg/L | 0.00000 | 0.06% |
| QC value within limits for Be 313.107 | | Recovery = 96.46% | | | | |
| Ca 315.886† | 60014.7 | 0.4828 mg/L | 0.00126 | 0.4828 mg/L | 0.00126 | 0.26% |
| QC value within limits for Ca 315.886 | | Recovery = 96.55% | | | | |
| Cd 228.802† | 959.2 | 0.0238 mg/L | 0.00027 | 0.0238 mg/L | 0.00027 | 1.15% |
| QC value within limits for Cd 228.802 | | Recovery = 95.02% | | | | |
| Co 228.616† | 1656.0 | 0.0468 mg/L | 0.00063 | 0.0468 mg/L | 0.00063 | 1.34% |
| QC value within limits for Co 228.616 | | Recovery = 93.60% | | | | |
| Cr 267.716† | 6351.7 | 0.0486 mg/L | 0.00016 | 0.0486 mg/L | 0.00016 | 0.33% |
| QC value within limits for Cr 267.716 | | Recovery = 97.27% | | | | |
| Cu 324.752† | 11597.5 | 0.0478 mg/L | 0.00007 | 0.0478 mg/L | 0.00007 | 0.14% |
| QC value within limits for Cu 324.752 | | Recovery = 95.67% | | | | |
| Fe 234.349† | 11110.3 | 0.2377 mg/L | 0.00132 | 0.2377 mg/L | 0.00132 | 0.55% |
| QC value within limits for Fe 234.349 | | Recovery = 95.08% | | | | |
| Fe 238.204† | 23539.6 | 0.2393 mg/L | 0.00001 | 0.2393 mg/L | 0.00001 | 0.00% |
| QC value within limits for Fe 238.204 | | Recovery = 95.73% | | | | |
| K 766.490† | 4626.2 | 2.658 mg/L | 0.0102 | 2.658 mg/L | 0.0102 | 0.38% |
| QC value within limits for K 766.490 | | Recovery = 106.31% | | | | |
| Li 670.784† | 3606.3 | 0.0528 mg/L | 0.00010 | 0.0528 mg/L | 0.00010 | 0.19% |
| QC value within limits for Li 670.784 | | Recovery = 105.57% | | | | |
| Mg 279.077† | 8692.0 | 0.4790 mg/L | 0.00512 | 0.4790 mg/L | 0.00512 | 1.07% |
| QC value within limits for Mg 279.077 | | Recovery = 95.80% | | | | |
| Mn 257.610† | 36786.3 | 0.0466 mg/L | 0.00005 | 0.0466 mg/L | 0.00005 | 0.10% |
| QC value within limits for Mn 257.610 | | Recovery = 93.29% | | | | |
| Mo 202.031† | 671.8 | 0.0510 mg/L | 0.00029 | 0.0510 mg/L | 0.00029 | 0.57% |
| QC value within limits for Mo 202.031 | | Recovery = 102.07% | | | | |
| Na 589.592 | 17968.9 | 2.483 mg/L | 0.0018 | 2.483 mg/L | 0.0018 | 0.07% |
| QC value within limits for Na 589.592 | | Recovery = 99.31% | | | | |
| Ni 231.604† | 2204.0 | 0.0474 mg/L | 0.00031 | 0.0474 mg/L | 0.00031 | 0.65% |
| QC value within limits for Ni 231.604 | | Recovery = 94.81% | | | | |
| P 214.914† | 545.6 | 0.5009 mg/L | 0.00275 | 0.5009 mg/L | 0.00275 | 0.55% |
| QC value within limits for P 214.914 | | Recovery = 100.18% | | | | |
| Pb 220.353† | 342.9 | 0.0474 mg/L | 0.00039 | 0.0474 mg/L | 0.00039 | 0.82% |
| QC value within limits for Pb 220.353 | | Recovery = 94.77% | | | | |
| Sb 206.836† | 86.6 | 0.0449 mg/L | 0.00512 | 0.0449 mg/L | 0.00512 | 11.41% |
| QC value within limits for Sb 206.836 | | Recovery = 89.72% | | | | |
| Se 196.026† | 67.7 | 0.0993 mg/L | 0.00597 | 0.0993 mg/L | 0.00597 | 6.01% |
| QC value within limits for Se 196.026 | | Recovery = 99.32% | | | | |
| Sn 189.927† | 165.3 | 0.0427 mg/L | 0.00138 | 0.0427 mg/L | 0.00138 | 3.24% |
| QC value within limits for Sn 189.927 | | Recovery = 85.39% | | | | |
| Sr 407.771† | 102206.7 | 0.0049 mg/L | 0.00000 | 0.0049 mg/L | 0.00000 | 0.01% |
| QC value within limits for Sr 407.771 | | Recovery = 97.85% | | | | |
| Ti 337.279† | 35656.3 | 0.0511 mg/L | 0.00314 | 0.0511 mg/L | 0.00314 | 6.15% |
| QC value within limits for Ti 337.279 | | Recovery = 102.13% | | | | |
| Tl 190.801† | 59.7 | 0.0718 mg/L | 0.00581 | 0.0718 mg/L | 0.00581 | 8.09% |
| QC value greater than the upper limit for Tl 190.801 | | Recovery = 143.64% | | | | |
| V 292.402† | 9823.3 | 0.0497 mg/L | 0.00023 | 0.0497 mg/L | 0.00023 | 0.46% |
| QC value within limits for V 292.402 | | Recovery = 99.40% | | | | |
| Zn 213.857† | 3939.6 | 0.0483 mg/L | 0.00008 | 0.0483 mg/L | 0.00008 | 0.17% |
| QC value within limits for Zn 213.857 | | Recovery = 96.54% | | | | |
| QC Failed. Continue with analysis. | | | | | | |

Sequence No.: 9
Sample ID: CRI2
Analyst:

Autosampler Location: 7
Date Collected: 8/14/2006 4:14:40 PM
Data Type: Original

Initial Sample Wt:
Dilution:Initial Sample Vol:
Sample Prep Vol:-----
Replicate Data: CRI2

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. Units | Sample Conc. Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------------------|--------------------|---------------|
| 1 | K 766.490† | 1374.0 | 1812.4 | 1.418 mg/L | 1.418 mg/L | 16:16:16 |
| 1 | Li 670.784† | 1220.6 | 1363.9 | 0.0262 mg/L | 0.0262 mg/L | 16:16:16 |
| 1 | Na 589.592 | 7399.7 | 7083.1 | 1.089 mg/L | 1.089 mg/L | 16:16:16 |
| 1 | Y 371.029 | 3196450.5 | 3196450.5 | 0.984 mg/L | | 16:16:30 |
| 1 | Ag 328.068† | 850.7 | 2611.2 | 0.0105 mg/L | 0.0105 mg/L | 16:16:35 |
| 1 | Al 237.313† | 507.7 | 703.6 | 0.1017 mg/L | 0.1017 mg/L | 16:16:35 |
| 1 | As 188.979† | 16.2 | 12.1 | 0.0201 mg/L | 0.0201 mg/L | 16:16:55 |
| 1 | B 182.528† | 7.4 | 10.8 | 0.0284 mg/L | 0.0284 mg/L | 16:16:55 |
| 1 | Ba 233.527† | 1716.2 | 1838.2 | 0.0195 mg/L | 0.0195 mg/L | 16:16:55 |
| 1 | Be 313.107† | 8613.7 | 7735.0 | 0.0019 mg/L | 0.0019 mg/L | 16:16:35 |
| 1 | Ca 315.886† | 24869.1 | 24609.9 | 0.1845 mg/L | 0.1845 mg/L | 16:16:35 |
| 1 | Cd 228.802† | 513.6 | 374.5 | 0.0086 mg/L | 0.0086 mg/L | 16:16:55 |
| 1 | Co 228.616† | 597.4 | 675.5 | 0.0169 mg/L | 0.0169 mg/L | 16:16:55 |
| 1 | Cr 267.716† | 4201.3 | 2567.6 | 0.0188 mg/L | 0.0188 mg/L | 16:16:35 |
| 1 | Cu 324.752† | 6696.7 | 4670.4 | 0.0176 mg/L | 0.0176 mg/L | 16:16:35 |
| 1 | Fe 234.349† | 5974.7 | 4479.2 | 0.0893 mg/L | 0.0893 mg/L | 16:16:35 |
| 1 | Fe 238.204† | 10189.1 | 9527.6 | 0.0909 mg/L | 0.0909 mg/L | 16:16:35 |
| 1 | Mg 279.077† | 3602.9 | 3540.2 | 0.1841 mg/L | 0.1841 mg/L | 16:16:35 |
| 1 | Mn 257.610† | 15711.1 | 14368.3 | 0.0165 mg/L | 0.0165 mg/L | 16:16:35 |
| 1 | Mo 202.031† | 317.9 | 280.8 | 0.0208 mg/L | 0.0208 mg/L | 16:16:55 |
| 1 | Ni 231.604† | 1538.1 | 881.3 | 0.0168 mg/L | 0.0168 mg/L | 16:16:35 |
| 1 | P 214.914† | 280.9 | 217.1 | 0.2079 mg/L | 0.2079 mg/L | 16:16:55 |
| 1 | Pb 220.353† | 10.5 | 136.2 | 0.0178 mg/L | 0.0178 mg/L | 16:16:55 |
| 1 | Sb 206.836† | 72.1 | 37.7 | 0.0190 mg/L | 0.0190 mg/L | 16:16:55 |
| 1 | Se 196.026† | 20.1 | 25.3 | 0.0375 mg/L | 0.0375 mg/L | 16:16:55 |
| 1 | Sn 189.927† | 129.9 | 70.6 | 0.0141 mg/L | 0.0141 mg/L | 16:16:55 |
| 1 | Sr 407.771† | 40604.2 | 41576.9 | 0.0019 mg/L | 0.0019 mg/L | 16:16:30 |
| 1 | Ti 337.279† | 12055.9 | 13829.6 | 0.0193 mg/L | 0.0193 mg/L | 16:16:35 |
| 1 | Tl 190.801† | 13.6 | 33.0 | 0.0462 mg/L | 0.0462 mg/L | 16:16:55 |
| 1 | V 292.402† | 2700.1 | 3983.9 | 0.0200 mg/L | 0.0200 mg/L | 16:16:35 |
| 1 | Zn 213.857† | 2301.5 | 1612.3 | 0.0179 mg/L | 0.0179 mg/L | 16:16:55 |
| 2 | K 766.490† | 1380.5 | 1818.7 | 1.421 mg/L | 1.421 mg/L | 16:16:22 |
| 2 | Li 670.784† | 1219.1 | 1362.1 | 0.0262 mg/L | 0.0262 mg/L | 16:16:22 |
| 2 | Na 589.592 | 7408.2 | 7091.5 | 1.090 mg/L | 1.090 mg/L | 16:16:22 |
| 2 | Y 371.029 | 3197240.9 | 3197240.9 | 0.984 mg/L | | 16:17:01 |
| 2 | Ag 328.068† | 803.0 | 2562.5 | 0.0103 mg/L | 0.0103 mg/L | 16:17:06 |
| 2 | Al 237.313† | 508.1 | 703.8 | 0.1017 mg/L | 0.1017 mg/L | 16:17:06 |
| 2 | As 188.979† | 15.7 | 11.6 | 0.0193 mg/L | 0.0193 mg/L | 16:17:27 |
| 2 | B 182.528† | 7.5 | 10.9 | 0.0286 mg/L | 0.0286 mg/L | 16:17:27 |
| 2 | Ba 233.527† | 1683.5 | 1804.6 | 0.0191 mg/L | 0.0191 mg/L | 16:17:27 |
| 2 | Be 313.107† | 8793.5 | 7915.5 | 0.0019 mg/L | 0.0019 mg/L | 16:17:06 |
| 2 | Ca 315.886† | 25003.0 | 24739.7 | 0.1856 mg/L | 0.1856 mg/L | 16:17:06 |
| 2 | Cd 228.802† | 527.8 | 388.8 | 0.0090 mg/L | 0.0090 mg/L | 16:17:27 |
| 2 | Co 228.616† | 590.2 | 668.0 | 0.0167 mg/L | 0.0167 mg/L | 16:17:27 |
| 2 | Cr 267.716† | 4213.0 | 2578.4 | 0.0189 mg/L | 0.0189 mg/L | 16:17:06 |
| 2 | Cu 324.752† | 6732.8 | 4705.5 | 0.0177 mg/L | 0.0177 mg/L | 16:17:06 |
| 2 | Fe 234.349† | 6009.3 | 4512.9 | 0.0901 mg/L | 0.0901 mg/L | 16:17:06 |
| 2 | Fe 238.204† | 10275.5 | 9612.9 | 0.0918 mg/L | 0.0918 mg/L | 16:17:06 |
| 2 | Mg 279.077† | 3619.9 | 3556.6 | 0.1851 mg/L | 0.1851 mg/L | 16:17:06 |
| 2 | Mn 257.610† | 15756.6 | 14410.5 | 0.0166 mg/L | 0.0166 mg/L | 16:17:06 |
| 2 | Mo 202.031† | 308.1 | 270.7 | 0.0200 mg/L | 0.0200 mg/L | 16:17:27 |
| 2 | Ni 231.604† | 1535.9 | 878.6 | 0.0167 mg/L | 0.0167 mg/L | 16:17:06 |
| 2 | P 214.914† | 289.6 | 225.9 | 0.2157 mg/L | 0.2157 mg/L | 16:17:27 |
| 2 | Pb 220.353† | 1.7 | 127.3 | 0.0165 mg/L | 0.0165 mg/L | 16:17:27 |
| 2 | Sb 206.836† | 67.1 | 32.6 | 0.0162 mg/L | 0.0162 mg/L | 16:17:27 |
| 2 | Se 196.026† | 21.8 | 26.9 | 0.0398 mg/L | 0.0398 mg/L | 16:17:27 |
| 2 | Sn 189.927† | 120.2 | 60.8 | 0.0111 mg/L | 0.0111 mg/L | 16:17:27 |
| 2 | Sr 407.771† | 40460.7 | 41420.9 | 0.0019 mg/L | 0.0019 mg/L | 16:17:01 |
| 2 | Ti 337.279† | 12076.6 | 13847.6 | 0.0194 mg/L | 0.0194 mg/L | 16:17:06 |
| 2 | Tl 190.801† | 14.7 | 34.1 | 0.0472 mg/L | 0.0472 mg/L | 16:17:27 |
| 2 | V 292.402† | 2682.7 | 3965.6 | 0.0199 mg/L | 0.0199 mg/L | 16:17:06 |
| 2 | Zn 213.857† | 2304.3 | 1614.6 | 0.0179 mg/L | 0.0179 mg/L | 16:17:27 |

Mean Data: CRI2

| Analyte | Mean Corrected Intensity | Calib Conc. Units | Std.Dev. | Sample Conc. Units | Std.Dev. | RSD |
|---|--------------------------|-------------------|----------|--------------------|----------|--------|
| Y 371.029 | 3196845.7 | 0.984 mg/L | 0.0002 | | | 0.02% |
| Ag 328.068† | 2586.9 | 0.0104 mg/L | 0.00014 | 0.0104 mg/L | 0.00014 | 1.30% |
| QC value within limits for Ag 328.068 Recovery = 103.58% | | | | | | |
| Al 237.313† | 703.7 | 0.1017 mg/L | 0.00002 | 0.1017 mg/L | 0.00002 | 0.02% |
| QC value within limits for Al 237.313 Recovery = 101.71% | | | | | | |
| As 188.979† | 11.8 | 0.0197 mg/L | 0.00063 | 0.0197 mg/L | 0.00063 | 3.20% |
| QC value within limits for As 188.979 Recovery = 98.48% | | | | | | |
| B 182.528† | 10.8 | 0.0285 mg/L | 0.00014 | 0.0285 mg/L | 0.00014 | 0.48% |
| QC value greater than the upper limit for B 182.528 Recovery = 142.51% | | | | | | |
| Ba 233.527† | 1821.4 | 0.0193 mg/L | 0.00027 | 0.0193 mg/L | 0.00027 | 1.39% |
| QC value within limits for Ba 233.527 Recovery = 96.65% | | | | | | |
| Be 313.107† | 7825.3 | 0.0019 mg/L | 0.00003 | 0.0019 mg/L | 0.00003 | 1.73% |
| QC value within limits for Be 313.107 Recovery = 95.70% | | | | | | |
| Ca 315.886† | 24674.8 | 0.1850 mg/L | 0.00077 | 0.1850 mg/L | 0.00077 | 0.42% |
| QC value within limits for Ca 315.886 Recovery = 92.51% | | | | | | |
| Cd 228.802† | 381.7 | 0.0088 mg/L | 0.00026 | 0.0088 mg/L | 0.00026 | 3.00% |
| QC value within limits for Cd 228.802 Recovery = 88.12% | | | | | | |
| Co 228.616† | 671.7 | 0.0168 mg/L | 0.00016 | 0.0168 mg/L | 0.00016 | 0.96% |
| QC value within limits for Co 228.616 Recovery = 83.91% | | | | | | |
| Cr 267.716† | 2573.0 | 0.0189 mg/L | 0.00006 | 0.0189 mg/L | 0.00006 | 0.32% |
| QC value within limits for Cr 267.716 Recovery = 94.38% | | | | | | |
| Cu 324.752† | 4688.0 | 0.0177 mg/L | 0.00011 | 0.0177 mg/L | 0.00011 | 0.61% |
| QC value within limits for Cu 324.752 Recovery = 88.35% | | | | | | |
| Fe 234.349† | 4496.0 | 0.0897 mg/L | 0.00054 | 0.0897 mg/L | 0.00054 | 0.60% |
| QC value within limits for Fe 234.349 Recovery = 89.70% | | | | | | |
| Fe 238.204† | 9570.2 | 0.0913 mg/L | 0.00064 | 0.0913 mg/L | 0.00064 | 0.70% |
| QC value within limits for Fe 238.204 Recovery = 91.31% | | | | | | |
| K 766.490† | 1815.5 | 1.420 mg/L | 0.0020 | 1.420 mg/L | 0.0020 | 0.14% |
| QC value greater than the upper limit for K 766.490 Recovery = 141.99% | | | | | | |
| Li 670.784† | 1363.0 | 0.0262 mg/L | 0.00002 | 0.0262 mg/L | 0.00002 | 0.06% |
| QC value greater than the upper limit for Li 670.784 Recovery = 130.91% | | | | | | |
| Mg 279.077† | 3548.4 | 0.1846 mg/L | 0.00067 | 0.1846 mg/L | 0.00067 | 0.36% |
| QC value within limits for Mg 279.077 Recovery = 92.30% | | | | | | |
| Mn 257.610† | 14389.4 | 0.0166 mg/L | 0.00004 | 0.0166 mg/L | 0.00004 | 0.24% |
| QC value within limits for Mn 257.610 Recovery = 82.75% | | | | | | |
| Mo 202.031† | 275.8 | 0.0204 mg/L | 0.00055 | 0.0204 mg/L | 0.00055 | 2.72% |
| QC value within limits for Mo 202.031 Recovery = 101.82% | | | | | | |
| Na 589.592 | 7087.3 | 1.090 mg/L | 0.0008 | 1.090 mg/L | 0.0008 | 0.07% |
| QC value within limits for Na 589.592 Recovery = 108.97% | | | | | | |
| Ni 231.604† | 879.9 | 0.0168 mg/L | 0.00004 | 0.0168 mg/L | 0.00004 | 0.26% |
| QC value within limits for Ni 231.604 Recovery = 83.81% | | | | | | |
| P 214.914† | 221.5 | 0.2118 mg/L | 0.00553 | 0.2118 mg/L | 0.00553 | 2.61% |
| QC value within limits for P 214.914 Recovery = 105.91% | | | | | | |
| Pb 220.353† | 131.8 | 0.0172 mg/L | 0.00090 | 0.0172 mg/L | 0.00090 | 5.23% |
| QC value within limits for Pb 220.353 Recovery = 85.78% | | | | | | |
| Sb 206.836† | 35.2 | 0.0176 mg/L | 0.00198 | 0.0176 mg/L | 0.00198 | 11.28% |
| QC value within limits for Sb 206.836 Recovery = 87.76% | | | | | | |
| Se 196.026† | 26.1 | 0.0386 mg/L | 0.00169 | 0.0386 mg/L | 0.00169 | 4.38% |
| QC value within limits for Se 196.026 Recovery = 96.62% | | | | | | |
| Sn 189.927† | 65.7 | 0.0126 mg/L | 0.00211 | 0.0126 mg/L | 0.00211 | 16.80% |
| QC value less than the lower limit for Sn 189.927 Recovery = 62.82% | | | | | | |
| Sr 407.771† | 41498.9 | 0.0019 mg/L | 0.00001 | 0.0019 mg/L | 0.00001 | 0.29% |
| QC value within limits for Sr 407.771 Recovery = 93.28% | | | | | | |
| Ti 337.279† | 13838.6 | 0.0193 mg/L | 0.00002 | 0.0193 mg/L | 0.00002 | 0.10% |
| QC value within limits for Ti 337.279 Recovery = 96.69% | | | | | | |
| Tl 190.801† | 33.5 | 0.0467 mg/L | 0.00074 | 0.0467 mg/L | 0.00074 | 1.59% |
| QC value greater than the upper limit for Tl 190.801 Recovery = 233.47% | | | | | | |
| V 292.402† | 3974.7 | 0.0199 mg/L | 0.00007 | 0.0199 mg/L | 0.00007 | 0.37% |
| QC value within limits for V 292.402 Recovery = 99.65% | | | | | | |
| Zn 213.857† | 1613.4 | 0.0179 mg/L | 0.00002 | 0.0179 mg/L | 0.00002 | 0.12% |
| QC value within limits for Zn 213.857 Recovery = 89.59% | | | | | | |
| QC Failed. Continue with analysis. | | | | | | |

Sequence No.: 10
Sample ID: CRI3
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 8/14/2006 4:19:07 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

 Replicate Data: CRI3

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. Units | Sample Conc. Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------------------|--------------------|---------------|
| 1 | K 766.490† | 561.6 | 984.9 | 1.054 mg/L | 1.054 mg/L | 16:20:43 |
| 1 | Li 670.784† | 558.7 | 689.4 | 0.0182 mg/L | 0.0182 mg/L | 16:20:43 |
| 1 | Na 589.592 | 3817.5 | 3500.8 | 0.6306 mg/L | 0.6306 mg/L | 16:20:43 |
| 1 | Y 371.029 | 3205613.6 | 3205613.6 | 0.986 mg/L | | 16:20:57 |
| 1 | Ag 328.068† | -540.3 | 1198.6 | 0.0049 mg/L | 0.0049 mg/L | 16:21:02 |
| 1 | Al 237.313† | 178.8 | 368.7 | 0.0531 mg/L | 0.0531 mg/L | 16:21:02 |
| 1 | As 188.979† | 12.8 | 8.5 | 0.0144 mg/L | 0.0144 mg/L | 16:21:22 |
| 1 | B 182.528† | 2.3 | 5.6 | 0.0174 mg/L | 0.0174 mg/L | 16:21:22 |
| 1 | Ba 233.527† | 803.0 | 907.6 | 0.0090 mg/L | 0.0090 mg/L | 16:21:22 |
| 1 | Be 313.107† | 4966.8 | 4013.0 | 0.0009 mg/L | 0.0009 mg/L | 16:21:02 |
| 1 | Ca 315.886† | 12747.9 | 12250.0 | 0.0803 mg/L | 0.0803 mg/L | 16:21:02 |
| 1 | Cd 228.802† | 328.7 | 185.6 | 0.0037 mg/L | 0.0037 mg/L | 16:21:22 |
| 1 | Co 228.616† | 262.5 | 334.2 | 0.0065 mg/L | 0.0065 mg/L | 16:21:22 |
| 1 | Cr 267.716† | 2924.3 | 1260.9 | 0.0085 mg/L | 0.0085 mg/L | 16:21:02 |
| 1 | Cu 324.752† | 4410.9 | 2333.8 | 0.0074 mg/L | 0.0074 mg/L | 16:21:02 |
| 1 | Fe 234.349† | 3757.5 | 2214.2 | 0.0387 mg/L | 0.0387 mg/L | 16:21:02 |
| 1 | Fe 238.204† | 5470.2 | 4714.3 | 0.0399 mg/L | 0.0399 mg/L | 16:21:02 |
| 1 | Mg 279.077† | 1869.8 | 1772.8 | 0.0830 mg/L | 0.0830 mg/L | 16:21:02 |
| 1 | Mn 257.610† | 8239.2 | 6748.1 | 0.0063 mg/L | 0.0063 mg/L | 16:21:02 |
| 1 | Mo 202.031† | 173.6 | 133.6 | 0.0094 mg/L | 0.0094 mg/L | 16:21:22 |
| 1 | Ni 231.604† | 1061.2 | 393.3 | 0.0055 mg/L | 0.0055 mg/L | 16:21:02 |
| 1 | P 214.914† | 176.2 | 110.1 | 0.1125 mg/L | 0.1125 mg/L | 16:21:22 |
| 1 | Pb 220.353† | -58.7 | 66.0 | 0.0077 mg/L | 0.0077 mg/L | 16:21:22 |
| 1 | Sb 206.836† | 47.9 | 13.0 | 0.0057 mg/L | 0.0057 mg/L | 16:21:22 |
| 1 | Se 196.026† | 10.0 | 14.9 | 0.0224 mg/L | 0.0224 mg/L | 16:21:22 |
| 1 | Sn 189.927† | 87.2 | 27.0 | 0.0009 mg/L | 0.0009 mg/L | 16:21:22 |
| 1 | Sr 407.771† | 20241.2 | 20816.4 | 0.0008 mg/L | 0.0008 mg/L | 16:20:57 |
| 1 | Ti 337.279† | 5206.7 | 6851.3 | 0.0092 mg/L | 0.0092 mg/L | 16:21:02 |
| 1 | Tl 190.801† | 0.1 | 19.3 | 0.0330 mg/L | 0.0330 mg/L | 16:21:22 |
| 1 | V 292.402† | 765.5 | 2014.9 | 0.0099 mg/L | 0.0099 mg/L | 16:21:02 |
| 1 | Zn 213.857† | 1531.1 | 824.6 | 0.0076 mg/L | 0.0076 mg/L | 16:21:22 |
| 2 | K 766.490† | 551.2 | 975.7 | 1.050 mg/L | 1.050 mg/L | 16:20:49 |
| 2 | Li 670.784† | 561.5 | 693.6 | 0.0182 mg/L | 0.0182 mg/L | 16:20:49 |
| 2 | Na 589.592 | 3886.5 | 3569.9 | 0.6394 mg/L | 0.6394 mg/L | 16:20:49 |
| 2 | Y 371.029 | 3197993.8 | 3197993.8 | 0.984 mg/L | | 16:21:28 |
| 2 | Ag 328.068† | -501.1 | 1237.1 | 0.0051 mg/L | 0.0051 mg/L | 16:21:33 |
| 2 | Al 237.313† | 176.0 | 366.2 | 0.0527 mg/L | 0.0527 mg/L | 16:21:33 |
| 2 | As 188.979† | 10.2 | 6.0 | 0.0103 mg/L | 0.0103 mg/L | 16:21:54 |
| 2 | B 182.528† | 2.7 | 6.0 | 0.0182 mg/L | 0.0182 mg/L | 16:21:54 |
| 2 | Ba 233.527† | 800.8 | 907.3 | 0.0090 mg/L | 0.0090 mg/L | 16:21:54 |
| 2 | Be 313.107† | 4915.9 | 3973.2 | 0.0009 mg/L | 0.0009 mg/L | 16:21:33 |
| 2 | Ca 315.886† | 12759.4 | 12292.5 | 0.0807 mg/L | 0.0807 mg/L | 16:21:33 |
| 2 | Cd 228.802† | 329.6 | 187.3 | 0.0038 mg/L | 0.0038 mg/L | 16:21:54 |
| 2 | Co 228.616† | 276.6 | 349.2 | 0.0069 mg/L | 0.0069 mg/L | 16:21:54 |
| 2 | Cr 267.716† | 2971.0 | 1315.4 | 0.0090 mg/L | 0.0090 mg/L | 16:21:33 |
| 2 | Cu 324.752† | 4390.3 | 2323.6 | 0.0073 mg/L | 0.0073 mg/L | 16:21:33 |
| 2 | Fe 234.349† | 3753.0 | 2218.7 | 0.0387 mg/L | 0.0387 mg/L | 16:21:33 |
| 2 | Fe 238.204† | 5498.3 | 4756.1 | 0.0403 mg/L | 0.0403 mg/L | 16:21:33 |
| 2 | Mg 279.077† | 1933.0 | 1841.5 | 0.0869 mg/L | 0.0869 mg/L | 16:21:33 |
| 2 | Mn 257.610† | 8160.2 | 6687.7 | 0.0062 mg/L | 0.0062 mg/L | 16:21:33 |
| 2 | Mo 202.031† | 178.7 | 139.2 | 0.0098 mg/L | 0.0098 mg/L | 16:21:54 |
| 2 | Ni 231.604† | 1122.8 | 458.5 | 0.0070 mg/L | 0.0070 mg/L | 16:21:33 |
| 2 | P 214.914† | 176.5 | 110.8 | 0.1132 mg/L | 0.1132 mg/L | 16:21:54 |
| 2 | Pb 220.353† | -54.4 | 70.3 | 0.0084 mg/L | 0.0084 mg/L | 16:21:54 |
| 2 | Sb 206.836† | 48.2 | 13.4 | 0.0059 mg/L | 0.0059 mg/L | 16:21:54 |
| 2 | Se 196.026† | 8.6 | 13.5 | 0.0204 mg/L | 0.0204 mg/L | 16:21:54 |
| 2 | Sn 189.927† | 84.8 | 24.7 | 0.0002 mg/L | 0.0002 mg/L | 16:21:54 |
| 2 | Sr 407.771† | 20091.0 | 20712.6 | 0.0008 mg/L | 0.0008 mg/L | 16:21:28 |
| 2 | Ti 337.279† | 5308.5 | 6967.3 | 0.0093 mg/L | 0.0093 mg/L | 16:21:33 |
| 2 | Tl 190.801† | 3.1 | 22.4 | 0.0360 mg/L | 0.0360 mg/L | 16:21:54 |
| 2 | V 292.402† | 762.2 | 2013.4 | 0.0099 mg/L | 0.0099 mg/L | 16:21:33 |
| 2 | Zn 213.857† | 1508.1 | 804.9 | 0.0074 mg/L | 0.0074 mg/L | 16:21:54 |

 Mean Data: CRI3

| Analyte | Mean Corrected Intensity | Calib Conc. Units | Std.Dev. | Sample Conc. Units | Std.Dev. | RSD |
|-----------|--------------------------|-------------------|----------|--------------------|----------|-------|
| Y 371.029 | 3201803.7 | 0.985 mg/L | 0.0017 | | | 0.17% |

| | | | | | | |
|---|---------|-------------|---------|-------------|---------|--------|
| Ag 328.068† | 1217.9 | 0.0050 mg/L | 0.00011 | 0.0050 mg/L | 0.00011 | 2.14% |
| QC value within limits for Ag 328.068 Recovery = 99.71% | | | | | | |
| Al 237.313† | 367.4 | 0.0529 mg/L | 0.00025 | 0.0529 mg/L | 0.00025 | 0.47% |
| QC value within limits for Al 237.313 Recovery = 105.75% | | | | | | |
| As 188.979† | 7.3 | 0.0124 mg/L | 0.00287 | 0.0124 mg/L | 0.00287 | 23.23% |
| QC value within limits for As 188.979 Recovery = 123.64% | | | | | | |
| B 182.528† | 5.8 | 0.0178 mg/L | 0.00054 | 0.0178 mg/L | 0.00054 | 3.05% |
| QC value greater than the upper limit for B 182.528 Recovery = 177.98% | | | | | | |
| Ba 233.527† | 907.4 | 0.0090 mg/L | 0.00000 | 0.0090 mg/L | 0.00000 | 0.02% |
| QC value within limits for Ba 233.527 Recovery = 90.34% | | | | | | |
| Be 313.107† | 3993.1 | 0.0009 mg/L | 0.00001 | 0.0009 mg/L | 0.00001 | 0.80% |
| QC value within limits for Be 313.107 Recovery = 92.36% | | | | | | |
| Ca 315.886† | 12271.2 | 0.0805 mg/L | 0.00025 | 0.0805 mg/L | 0.00025 | 0.31% |
| QC value within limits for Ca 315.886 Recovery = 80.51% | | | | | | |
| Cd 228.802† | 186.4 | 0.0037 mg/L | 0.00005 | 0.0037 mg/L | 0.00005 | 1.36% |
| QC value within limits for Cd 228.802 Recovery = 74.82% | | | | | | |
| Co 228.616† | 341.7 | 0.0067 mg/L | 0.00032 | 0.0067 mg/L | 0.00032 | 4.81% |
| QC value less than the lower limit for Co 228.616 Recovery = 67.15% | | | | | | |
| Cr 267.716† | 1288.1 | 0.0088 mg/L | 0.00030 | 0.0088 mg/L | 0.00030 | 3.47% |
| QC value within limits for Cr 267.716 Recovery = 87.58% | | | | | | |
| Cu 324.752† | 2328.7 | 0.0074 mg/L | 0.00003 | 0.0074 mg/L | 0.00003 | 0.43% |
| QC value within limits for Cu 324.752 Recovery = 73.71% | | | | | | |
| Fe 234.349† | 2216.4 | 0.0387 mg/L | 0.00006 | 0.0387 mg/L | 0.00006 | 0.16% |
| QC value within limits for Fe 234.349 Recovery = 77.39% | | | | | | |
| Fe 238.204† | 4735.2 | 0.0401 mg/L | 0.00031 | 0.0401 mg/L | 0.00031 | 0.78% |
| QC value within limits for Fe 238.204 Recovery = 80.16% | | | | | | |
| K 766.490† | 980.3 | 1.052 mg/L | 0.0029 | 1.052 mg/L | 0.0029 | 0.27% |
| QC value greater than the upper limit for K 766.490 Recovery = 210.40% | | | | | | |
| Li 670.784† | 691.5 | 0.0182 mg/L | 0.00003 | 0.0182 mg/L | 0.00003 | 0.19% |
| QC value greater than the upper limit for Li 670.784 Recovery = 182.19% | | | | | | |
| Mg 279.077† | 1807.2 | 0.0849 mg/L | 0.00278 | 0.0849 mg/L | 0.00278 | 3.27% |
| QC value within limits for Mg 279.077 Recovery = 84.94% | | | | | | |
| Mn 257.610† | 6717.9 | 0.0062 mg/L | 0.00006 | 0.0062 mg/L | 0.00006 | 0.92% |
| QC value less than the lower limit for Mn 257.610 Recovery = 62.43% | | | | | | |
| Mo 202.031† | 136.4 | 0.0096 mg/L | 0.00031 | 0.0096 mg/L | 0.00031 | 3.20% |
| QC value within limits for Mo 202.031 Recovery = 95.67% | | | | | | |
| Na 589.592 | 3535.3 | 0.6350 mg/L | 0.00625 | 0.6350 mg/L | 0.00625 | 0.98% |
| QC value within limits for Na 589.592 Recovery = 127.00% | | | | | | |
| Ni 231.604† | 425.9 | 0.0063 mg/L | 0.00107 | 0.0063 mg/L | 0.00107 | 17.04% |
| QC value less than the lower limit for Ni 231.604 Recovery = 62.54% | | | | | | |
| P 214.914† | 110.5 | 0.1129 mg/L | 0.00045 | 0.1129 mg/L | 0.00045 | 0.40% |
| QC value within limits for P 214.914 Recovery = 112.86% | | | | | | |
| Pb 220.353† | 68.2 | 0.0080 mg/L | 0.00043 | 0.0080 mg/L | 0.00043 | 5.38% |
| QC value within limits for Pb 220.353 Recovery = 80.47% | | | | | | |
| Sb 206.836† | 13.2 | 0.0058 mg/L | 0.00013 | 0.0058 mg/L | 0.00013 | 2.21% |
| QC value less than the lower limit for Sb 206.836 Recovery = 58.15% | | | | | | |
| Se 196.026† | 14.2 | 0.0214 mg/L | 0.00141 | 0.0214 mg/L | 0.00141 | 6.60% |
| QC value within limits for Se 196.026 Recovery = 106.91% | | | | | | |
| Sn 189.927† | 25.9 | 0.0005 mg/L | 0.00050 | 0.0005 mg/L | 0.00050 | 95.23% |
| QC value less than the lower limit for Sn 189.927 Recovery = 5.21% | | | | | | |
| Sr 407.771† | 20764.5 | 0.0008 mg/L | 0.00000 | 0.0008 mg/L | 0.00000 | 0.44% |
| QC value within limits for Sr 407.771 Recovery = 83.17% | | | | | | |
| Ti 337.279† | 6909.3 | 0.0093 mg/L | 0.00012 | 0.0093 mg/L | 0.00012 | 1.29% |
| QC value within limits for Ti 337.279 Recovery = 92.63% | | | | | | |
| Tl 190.801† | 20.8 | 0.0345 mg/L | 0.00209 | 0.0345 mg/L | 0.00209 | 6.05% |
| QC value greater than the upper limit for Tl 190.801 Recovery = 344.80% | | | | | | |
| V 292.402† | 2014.2 | 0.0099 mg/L | 0.00000 | 0.0099 mg/L | 0.00000 | 0.01% |
| QC value within limits for V 292.402 Recovery = 99.42% | | | | | | |
| Zn 213.857† | 814.7 | 0.0075 mg/L | 0.00019 | 0.0075 mg/L | 0.00019 | 2.54% |
| QC value within limits for Zn 213.857 Recovery = 74.96% | | | | | | |
| QC Failed. Continue with analysis. | | | | | | |

Sequence No.: 11
 Sample ID: ICSA
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 160
 Date Collected: 8/14/2006 4:23:34 PM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

 Replicate Data: ICSA

| Net | Corrected | Calib. | Sample | Analysis |
|-----|-----------|--------|--------|----------|
|-----|-----------|--------|--------|----------|

| Repl# | Analyte | Intensity | Intensity | Conc. Units | Conc. Units | Time |
|-------|-------------|------------|------------|--------------|--------------|----------|
| 1 | K 766.490† | -412.2 | -40.0 | 0.6026 mg/L | 0.6026 mg/L | 16:25:12 |
| 1 | Li 670.784† | -38.9 | 80.1 | 0.0110 mg/L | 0.0110 mg/L | 16:25:12 |
| 1 | Na 589.592 | 489.2 | 172.6 | 0.2045 mg/L | 0.2045 mg/L | 16:25:12 |
| 1 | Y 371.029 | 2940287.4 | 2940287.4 | 0.905 mg/L | | 16:25:37 |
| 1 | Ag 328.068† | -2041.5 | -510.0 | 0.0021 mg/L | 0.0021 mg/L | 16:25:43 |
| 1 | Al 237.313† | 1646704.4 | 1820132.0 | 264.9 mg/L | 264.9 mg/L | 16:25:37 |
| 1 | As 188.979† | 0.9 | -3.4 | -0.0048 mg/L | -0.0048 mg/L | 16:26:03 |
| 1 | B 182.528† | 8.4 | 12.6 | 0.0323 mg/L | 0.0323 mg/L | 16:26:03 |
| 1 | Ba 233.527† | 150.3 | 259.7 | 0.0017 mg/L | 0.0017 mg/L | 16:26:03 |
| 1 | Be 313.107† | -802.3 | -1908.7 | 0.0000 mg/L | 0.0000 mg/L | 16:25:43 |
| 1 | Ca 315.886† | 26827406.2 | 29649087.5 | 249.7 mg/L | 249.7 mg/L | 16:25:30 |
| 1 | Cd 228.802† | 118.6 | -16.6 | -0.0008 mg/L | -0.0008 mg/L | 16:26:03 |
| 1 | Co 228.616† | -41.6 | 22.1 | -0.0030 mg/L | -0.0030 mg/L | 16:26:03 |
| 1 | Cr 267.716† | 1142.4 | -441.0 | 0.0009 mg/L | 0.0009 mg/L | 16:26:03 |
| 1 | Cu 324.752† | 233.7 | -1879.3 | 0.0063 mg/L | 0.0063 mg/L | 16:25:43 |
| 1 | Fe 234.349† | 3876939.3 | 4283214.5 | 96.05 mg/L | 96.05 mg/L | 16:25:37 |
| 1 | Fe 238.204† | 7797052.7 | 8616503.9 | 91.26 mg/L | 91.26 mg/L | 16:25:37 |
| 1 | Mg 279.077† | 3986457.7 | 4405726.9 | 251.9 mg/L | 251.9 mg/L | 16:25:37 |
| 1 | Mn 257.610† | 4629.1 | 3511.9 | 0.0019 mg/L | 0.0019 mg/L | 16:25:43 |
| 1 | Mo 202.031† | 224.1 | 205.3 | 0.0149 mg/L | 0.0149 mg/L | 16:26:03 |
| 1 | Ni 231.604† | 779.7 | 179.2 | 0.0005 mg/L | 0.0005 mg/L | 16:26:03 |
| 1 | P 214.914† | -80.5 | -157.4 | -0.1261 mg/L | -0.1261 mg/L | 16:26:03 |
| 1 | Pb 220.353† | -435.7 | -355.9 | -0.0043 mg/L | -0.0043 mg/L | 16:26:03 |
| 1 | Sb 206.836† | 20.9 | -12.5 | -0.0079 mg/L | -0.0079 mg/L | 16:26:03 |
| 1 | Se 196.026† | 2.2 | 7.2 | 0.0111 mg/L | 0.0111 mg/L | 16:26:03 |
| 1 | Sn 189.927† | 281.5 | 249.7 | 0.0720 mg/L | 0.0720 mg/L | 16:26:03 |
| 1 | Sr 407.771† | 14496.4 | 16318.7 | 0.0006 mg/L | 0.0006 mg/L | 16:25:43 |
| 1 | Ti 337.279† | 2249.6 | 4059.4 | 0.0051 mg/L | 0.0051 mg/L | 16:25:43 |
| 1 | Tl 190.801† | 52.0 | 76.7 | 0.0878 mg/L | 0.0878 mg/L | 16:26:03 |
| 1 | V 292.402† | 1186.5 | 2550.3 | 0.0003 mg/L | 0.0003 mg/L | 16:25:43 |
| 1 | Zn 213.857† | 2482.6 | 2016.2 | 0.0147 mg/L | 0.0147 mg/L | 16:26:03 |
| 2 | K 766.490† | -278.8 | 107.1 | 0.6674 mg/L | 0.6674 mg/L | 16:25:18 |
| 2 | Li 670.784† | -82.1 | 32.1 | 0.0104 mg/L | 0.0104 mg/L | 16:25:18 |
| 2 | Na 589.592 | 478.3 | 161.7 | 0.2031 mg/L | 0.2031 mg/L | 16:25:18 |
| 2 | Y 371.029 | 2937037.0 | 2937037.0 | 0.904 mg/L | | 16:26:20 |
| 2 | Ag 328.068† | -2016.8 | -485.0 | 0.0022 mg/L | 0.0022 mg/L | 16:26:25 |
| 2 | Al 237.313† | 1645376.0 | 1820676.2 | 265.0 mg/L | 265.0 mg/L | 16:26:20 |
| 2 | As 188.979† | 12.0 | 8.9 | 0.0150 mg/L | 0.0150 mg/L | 16:26:46 |
| 2 | B 182.528† | 10.5 | 14.9 | 0.0372 mg/L | 0.0372 mg/L | 16:26:46 |
| 2 | Ba 233.527† | 120.2 | 226.5 | 0.0014 mg/L | 0.0014 mg/L | 16:26:46 |
| 2 | Be 313.107† | -815.0 | -1923.7 | 0.0000 mg/L | 0.0000 mg/L | 16:26:25 |
| 2 | Ca 315.886† | 27151065.9 | 30040006.6 | 253.0 mg/L | 253.0 mg/L | 16:26:12 |
| 2 | Cd 228.802† | 127.9 | -6.1 | -0.0006 mg/L | -0.0006 mg/L | 16:26:46 |
| 2 | Co 228.616† | -41.4 | 22.3 | -0.0030 mg/L | -0.0030 mg/L | 16:26:46 |
| 2 | Cr 267.716† | 1150.1 | -431.1 | 0.0010 mg/L | 0.0010 mg/L | 16:26:46 |
| 2 | Cu 324.752† | 243.7 | -1868.0 | 0.0063 mg/L | 0.0063 mg/L | 16:26:25 |
| 2 | Fe 234.349† | 3871169.1 | 4281572.1 | 96.01 mg/L | 96.01 mg/L | 16:26:20 |
| 2 | Fe 238.204† | 7784191.6 | 8611810.9 | 91.21 mg/L | 91.21 mg/L | 16:26:20 |
| 2 | Mg 279.077† | 3980521.3 | 4404034.7 | 251.8 mg/L | 251.8 mg/L | 16:26:20 |
| 2 | Mn 257.610† | 4645.2 | 3535.4 | 0.0020 mg/L | 0.0020 mg/L | 16:26:25 |
| 2 | Mo 202.031† | 211.1 | 191.2 | 0.0138 mg/L | 0.0138 mg/L | 16:26:46 |
| 2 | Ni 231.604† | 813.0 | 217.0 | 0.0014 mg/L | 0.0014 mg/L | 16:26:46 |
| 2 | P 214.914† | -53.9 | -128.1 | -0.0999 mg/L | -0.0999 mg/L | 16:26:46 |
| 2 | Pb 220.353† | -436.4 | -357.3 | -0.0045 mg/L | -0.0045 mg/L | 16:26:46 |
| 2 | Sb 206.836† | 29.9 | -2.5 | -0.0025 mg/L | -0.0025 mg/L | 16:26:46 |
| 2 | Se 196.026† | 4.6 | 9.9 | 0.0151 mg/L | 0.0151 mg/L | 16:26:46 |
| 2 | Sn 189.927† | 289.3 | 258.7 | 0.0747 mg/L | 0.0747 mg/L | 16:26:46 |
| 2 | Sr 407.771† | 14633.8 | 16488.5 | 0.0006 mg/L | 0.0006 mg/L | 16:26:25 |
| 2 | Ti 337.279† | 2249.6 | 4062.2 | 0.0051 mg/L | 0.0051 mg/L | 16:26:25 |
| 2 | Tl 190.801† | 61.0 | 86.6 | 0.0973 mg/L | 0.0973 mg/L | 16:26:46 |
| 2 | V 292.402† | 1144.6 | 2505.4 | 0.0000 mg/L | 0.0000 mg/L | 16:26:25 |
| 2 | Zn 213.857† | 2511.4 | 2051.2 | 0.0151 mg/L | 0.0151 mg/L | 16:26:46 |

Mean Data: ICSCA

| Analyte | Mean Corrected Intensity | Calib Conc. Units | Std.Dev. | Sample Conc. Units | Std.Dev. | RSD |
|---|--------------------------|-------------------|----------|--------------------|----------|-------|
| Y 371.029 | 2938662.2 | 0.904 mg/L | 0.0007 | | | 0.08% |
| Ag 328.068† | -497.5 | 0.0021 mg/L | 0.00007 | 0.0021 mg/L | 0.00007 | 3.21% |
| QC value within limits for Ag 328.068 Recovery = Not calculated | | | | | | |
| Al 237.313† | 1820404.1 | 264.9 mg/L | 0.06 | 264.9 mg/L | 0.06 | 0.02% |

| | |
|--|---------------------------|
| QC value within limits for Al 237.313 | Recovery = 105.98% |
| As 188.979† 2.8 0.0051 mg/L 0.01401 0.0051 mg/L 0.01401 275.79% | |
| QC value within limits for As 188.979 | Recovery = Not calculated |
| B 182.528† 13.8 0.0347 mg/L 0.00350 0.0347 mg/L 0.00350 10.08% | |
| QC value within limits for B 182.528 | Recovery = Not calculated |
| Ba 233.527† 243.1 0.0016 mg/L 0.00026 0.0016 mg/L 0.00026 17.06% | |
| QC value within limits for Ba 233.527 | Recovery = Not calculated |
| Be 313.107† -1916.2 0.0000 mg/L 0.00000 0.0000 mg/L 0.00000 7.69% | |
| QC value within limits for Be 313.107 | Recovery = Not calculated |
| Ca 315.886† 29844547.1 251.3 mg/L 2.33 251.3 mg/L 2.33 0.93% | |
| QC value within limits for Ca 315.886 | Recovery = 100.52% |
| Cd 228.802† -11.3 -0.0007 mg/L 0.00011 -0.0007 mg/L 0.00011 15.64% | |
| QC value within limits for Cd 228.802 | Recovery = Not calculated |
| Co 228.616† 22.2 -0.0030 mg/L 0.00000 -0.0030 mg/L 0.00000 0.12% | |
| QC value within limits for Co 228.616 | Recovery = Not calculated |
| Cr 267.716† -436.1 0.0009 mg/L 0.00005 0.0009 mg/L 0.00005 5.81% | |
| QC value within limits for Cr 267.716 | Recovery = Not calculated |
| Cu 324.752† -1873.6 0.0063 mg/L 0.00003 0.0063 mg/L 0.00003 0.48% | |
| QC value within limits for Cu 324.752 | Recovery = Not calculated |
| Fe 234.349† 4282393.3 96.03 mg/L 0.026 96.03 mg/L 0.026 0.03% | |
| QC value within limits for Fe 234.349 | Recovery = 96.03% |
| Fe 238.204† 8614157.4 91.24 mg/L 0.035 91.24 mg/L 0.035 0.04% | |
| QC value within limits for Fe 238.204 | Recovery = 91.24% |
| K 766.490† 33.6 0.6350 mg/L 0.04582 0.6350 mg/L 0.04582 7.22% | |
| QC value within limits for K 766.490 | Recovery = Not calculated |
| Li 670.784† 56.1 0.0107 mg/L 0.00040 0.0107 mg/L 0.00040 3.76% | |
| QC value within limits for Li 670.784 | Recovery = Not calculated |
| Mg 279.077† 4404880.8 251.8 mg/L 0.07 251.8 mg/L 0.07 0.03% | |
| QC value within limits for Mg 279.077 | Recovery = 100.73% |
| Mn 257.610† 3523.6 0.0020 mg/L 0.00002 0.0020 mg/L 0.00002 1.14% | |
| QC value within limits for Mn 257.610 | Recovery = Not calculated |
| Mo 202.031† 198.2 0.0144 mg/L 0.00077 0.0144 mg/L 0.00077 5.37% | |
| QC value within limits for Mo 202.031 | Recovery = Not calculated |
| Na 589.592 167.1 0.2038 mg/L 0.00099 0.2038 mg/L 0.00099 0.49% | |
| QC value within limits for Na 589.592 | Recovery = Not calculated |
| Ni 231.604† 198.1 0.0010 mg/L 0.00062 0.0010 mg/L 0.00062 62.95% | |
| QC value within limits for Ni 231.604 | Recovery = Not calculated |
| P 214.914† -142.8 -0.1130 mg/L 0.01848 -0.1130 mg/L 0.01848 16.36% | |
| QC value less than the lower limit for P 214.914 | Recovery = Not calculated |
| Pb 220.353† -356.6 -0.0044 mg/L 0.00013 -0.0044 mg/L 0.00013 3.00% | |
| QC value within limits for Pb 220.353 | Recovery = Not calculated |
| Sb 206.836† -7.5 -0.0052 mg/L 0.00383 -0.0052 mg/L 0.00383 74.23% | |
| QC value within limits for Sb 206.836 | Recovery = Not calculated |
| Se 196.026† 8.5 0.0131 mg/L 0.00284 0.0131 mg/L 0.00284 21.67% | |
| QC value within limits for Se 196.026 | Recovery = Not calculated |
| Sn 189.927† 254.2 0.0733 mg/L 0.00191 0.0733 mg/L 0.00191 2.61% | |
| QC value greater than the upper limit for Sn 189.927 | Recovery = Not calculated |
| Sr 407.771† 16403.6 0.0006 mg/L 0.00001 0.0006 mg/L 0.00001 0.97% | |
| QC value within limits for Sr 407.771 | Recovery = Not calculated |
| Ti 337.279† 4060.8 0.0051 mg/L 0.00000 0.0051 mg/L 0.00000 0.06% | |
| QC value within limits for Ti 337.279 | Recovery = Not calculated |
| Tl 190.801† 81.6 0.0925 mg/L 0.00674 0.0925 mg/L 0.00674 7.29% | |
| QC value greater than the upper limit for Tl 190.801 | Recovery = Not calculated |
| V 292.402† 2527.8 0.0001 mg/L 0.00017 0.0001 mg/L 0.00017 123.42% | |
| QC value within limits for V 292.402 | Recovery = Not calculated |
| Zn 213.857† 2033.7 0.0149 mg/L 0.00032 0.0149 mg/L 0.00032 2.16% | |
| QC value within limits for Zn 213.857 | Recovery = Not calculated |

QC Failed. Continue with analysis.

```

=====
Sequence No.: 12
Sample ID: ICSAB
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 159
Date Collected: 8/14/2006 4:28:24 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:
=====
    
```

Replicate Data: ICSAB

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. Units | Sample Conc. Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------------------|--------------------|---------------|
| 1 | K 766.490† | -343.8 | 35.6 | 0.6359 mg/L | 0.6359 mg/L | 16:29:59 |
| 1 | Li 670.784† | -92.4 | 20.9 | 0.0103 mg/L | 0.0103 mg/L | 16:29:59 |

| | | | | | | |
|---|-------------|------------|------------|--------------|--------------|----------|
| 1 | Na 589.592 | 525.0 | 208.3 | 0.2090 mg/L | 0.2090 mg/L | 16:29:59 |
| 1 | Y 371.029 | 2940085.0 | 2940085.0 | 0.905 mg/L | | 16:30:25 |
| 1 | Ag 328.068† | 123108.3 | 137815.5 | 0.5441 mg/L | 0.5441 mg/L | 16:30:31 |
| 1 | Al 237.313† | 1653510.3 | 1827779.5 | 266.0 mg/L | 266.0 mg/L | 16:30:25 |
| 1 | As 188.979† | 3.9 | -0.0 | 0.0002 mg/L | 0.0002 mg/L | 16:30:51 |
| 1 | B 182.528† | 10.6 | 14.9 | 0.0372 mg/L | 0.0372 mg/L | 16:30:51 |
| 1 | Ba 233.527† | 20544.0 | 22800.5 | 0.2555 mg/L | 0.2555 mg/L | 16:30:31 |
| 1 | Be 313.107† | 915322.8 | 1010666.2 | 0.2634 mg/L | 0.2634 mg/L | 16:30:25 |
| 1 | Ca 315.886† | 27223309.6 | 30088712.4 | 253.4 mg/L | 253.4 mg/L | 16:30:17 |
| 1 | Cd 228.802† | 17141.4 | 18798.5 | 0.4881 mg/L | 0.4881 mg/L | 16:30:31 |
| 1 | Co 228.616† | 7014.3 | 7820.9 | 0.2353 mg/L | 0.2353 mg/L | 16:30:51 |
| 1 | Cr 267.716† | 30162.0 | 31633.9 | 0.2535 mg/L | 0.2535 mg/L | 16:30:31 |
| 1 | Cu 324.752† | 51231.9 | 54488.0 | 0.2521 mg/L | 0.2521 mg/L | 16:30:31 |
| 1 | Fe 234.349† | 3898637.3 | 4307491.8 | 96.59 mg/L | 96.59 mg/L | 16:30:25 |
| 1 | Fe 238.204† | 7840519.0 | 8665139.6 | 91.78 mg/L | 91.78 mg/L | 16:30:25 |
| 1 | Mg 279.077† | 4011686.2 | 4433914.8 | 253.5 mg/L | 253.5 mg/L | 16:30:25 |
| 1 | Mn 257.610† | 175610.8 | 192495.0 | 0.2559 mg/L | 0.2559 mg/L | 16:30:31 |
| 1 | Mo 202.031† | 207.4 | 186.9 | 0.0135 mg/L | 0.0135 mg/L | 16:30:51 |
| 1 | Ni 231.604† | 19261.1 | 20606.4 | 0.4730 mg/L | 0.4730 mg/L | 16:30:31 |
| 1 | P 214.914† | -36.2 | -108.5 | -0.0824 mg/L | -0.0824 mg/L | 16:30:51 |
| 1 | Pb 220.353† | 2617.2 | 3018.3 | 0.4778 mg/L | 0.4778 mg/L | 16:30:51 |
| 1 | Sb 206.836† | 34.1 | 2.1 | -0.0040 mg/L | -0.0040 mg/L | 16:30:51 |
| 1 | Se 196.026† | 8.4 | 14.1 | 0.0211 mg/L | 0.0211 mg/L | 16:30:51 |
| 1 | Sn 189.927† | 310.6 | 281.9 | 0.0817 mg/L | 0.0817 mg/L | 16:30:51 |
| 1 | Sr 407.771† | 14778.9 | 16632.1 | 0.0006 mg/L | 0.0006 mg/L | 16:30:31 |
| 1 | Ti 337.279† | 2346.8 | 4167.0 | 0.0053 mg/L | 0.0053 mg/L | 16:30:31 |
| 1 | Tl 190.801† | 59.2 | 84.6 | 0.0972 mg/L | 0.0972 mg/L | 16:30:51 |
| 1 | V 292.402† | 47193.9 | 53401.4 | 0.2550 mg/L | 0.2550 mg/L | 16:30:31 |
| 1 | Zn 213.857† | 35135.7 | 38107.3 | 0.4852 mg/L | 0.4852 mg/L | 16:30:31 |
| 2 | K 766.490† | -430.6 | -60.2 | 0.5937 mg/L | 0.5937 mg/L | 16:30:05 |
| 2 | Li 670.784† | -66.6 | 49.4 | 0.0106 mg/L | 0.0106 mg/L | 16:30:05 |
| 2 | Na 589.592 | 547.9 | 231.2 | 0.2120 mg/L | 0.2120 mg/L | 16:30:05 |
| 2 | Y 371.029 | 2941324.4 | 2941324.4 | 0.905 mg/L | | 16:31:08 |
| 2 | Ag 328.068† | 122772.0 | 137386.6 | 0.5424 mg/L | 0.5424 mg/L | 16:31:14 |
| 2 | Al 237.313† | 1655915.5 | 1829666.8 | 266.3 mg/L | 266.3 mg/L | 16:31:08 |
| 2 | As 188.979† | 4.5 | 0.6 | 0.0012 mg/L | 0.0012 mg/L | 16:31:34 |
| 2 | B 182.528† | 6.0 | 9.9 | 0.0266 mg/L | 0.0266 mg/L | 16:31:34 |
| 2 | Ba 233.527† | 20444.2 | 22680.5 | 0.2541 mg/L | 0.2541 mg/L | 16:31:14 |
| 2 | Be 313.107† | 916104.5 | 1011103.5 | 0.2635 mg/L | 0.2635 mg/L | 16:31:08 |
| 2 | Ca 315.886† | 27354886.0 | 30221401.6 | 254.5 mg/L | 254.5 mg/L | 16:31:00 |
| 2 | Cd 228.802† | 17087.1 | 18730.5 | 0.4863 mg/L | 0.4863 mg/L | 16:31:14 |
| 2 | Co 228.616† | 7038.9 | 7844.7 | 0.2360 mg/L | 0.2360 mg/L | 16:31:34 |
| 2 | Cr 267.716† | 30097.2 | 31548.2 | 0.2528 mg/L | 0.2528 mg/L | 16:31:14 |
| 2 | Cu 324.752† | 51167.5 | 54393.0 | 0.2517 mg/L | 0.2517 mg/L | 16:31:14 |
| 2 | Fe 234.349† | 3903140.3 | 4310651.0 | 96.66 mg/L | 96.66 mg/L | 16:31:08 |
| 2 | Fe 238.204† | 7849001.5 | 8670859.7 | 91.84 mg/L | 91.84 mg/L | 16:31:08 |
| 2 | Mg 279.077† | 4016391.4 | 4437244.8 | 253.7 mg/L | 253.7 mg/L | 16:31:08 |
| 2 | Mn 257.610† | 174909.5 | 191638.3 | 0.2547 mg/L | 0.2547 mg/L | 16:31:14 |
| 2 | Mo 202.031† | 223.5 | 204.5 | 0.0148 mg/L | 0.0148 mg/L | 16:31:34 |
| 2 | Ni 231.604† | 19182.9 | 20511.1 | 0.4708 mg/L | 0.4708 mg/L | 16:31:14 |
| 2 | P 214.914† | -44.9 | -118.0 | -0.0909 mg/L | -0.0909 mg/L | 16:31:34 |
| 2 | Pb 220.353† | 2641.7 | 3044.1 | 0.4815 mg/L | 0.4815 mg/L | 16:31:34 |
| 2 | Sb 206.836† | 35.5 | 3.6 | -0.0032 mg/L | -0.0032 mg/L | 16:31:34 |
| 2 | Se 196.026† | 14.7 | 21.0 | 0.0312 mg/L | 0.0312 mg/L | 16:31:34 |
| 2 | Sn 189.927† | 292.4 | 261.6 | 0.0756 mg/L | 0.0756 mg/L | 16:31:34 |
| 2 | Sr 407.771† | 14822.8 | 16673.7 | 0.0006 mg/L | 0.0006 mg/L | 16:31:14 |
| 2 | Ti 337.279† | 2318.2 | 4134.4 | 0.0052 mg/L | 0.0052 mg/L | 16:31:14 |
| 2 | Tl 190.801† | 55.6 | 80.6 | 0.0934 mg/L | 0.0934 mg/L | 16:31:34 |
| 2 | V 292.402† | 47101.0 | 53276.7 | 0.2544 mg/L | 0.2544 mg/L | 16:31:14 |
| 2 | Zn 213.857† | 35153.7 | 38110.8 | 0.4852 mg/L | 0.4852 mg/L | 16:31:14 |

Mean Data: ICSAB

| Analyte | Mean Corrected Intensity | Calib Conc. Units | Std.Dev. | Sample Conc. Units | Std.Dev. | RSD |
|---|--------------------------|-------------------|----------|--------------------|----------|--------|
| Y 371.029 | 2940704.7 | 0.905 mg/L | 0.0003 | | | |
| Ag 328.068† | 137601.1 | 0.5432 mg/L | 0.00119 | 0.5432 mg/L | 0.00119 | 0.03% |
| QC value within limits for Ag 328.068 Recovery = 108.65% | | | | | | |
| Al 237.313† | 1828723.2 | 266.2 mg/L | 0.19 | 266.2 mg/L | 0.19 | 0.07% |
| QC value within limits for Al 237.313 Recovery = 106.46% | | | | | | |
| As 188.979† | 0.3 | 0.0007 mg/L | 0.00071 | 0.0007 mg/L | 0.00071 | 98.21% |
| QC value within limits for As 188.979 Recovery = Not calculated | | | | | | |

| | | | | | | |
|--|------------|--------------|---------|--------------|---------|--------|
| B 182.528† | 12.4 | 0.0319 mg/L | 0.00753 | 0.0319 mg/L | 0.00753 | 23.59% |
| QC value within limits for B 182.528 Recovery = Not calculated | | | | | | |
| Ba 233.527† | 22740.5 | 0.2548 mg/L | 0.00095 | 0.2548 mg/L | 0.00095 | 0.37% |
| QC value within limits for Ba 233.527 Recovery = 101.92% | | | | | | |
| Be 313.107† | 1010884.8 | 0.2635 mg/L | 0.00008 | 0.2635 mg/L | 0.00008 | 0.03% |
| QC value within limits for Be 313.107 Recovery = 105.38% | | | | | | |
| Ca 315.886† | 30155057.0 | 253.9 mg/L | 0.79 | 253.9 mg/L | 0.79 | 0.31% |
| QC value within limits for Ca 315.886 Recovery = 101.57% | | | | | | |
| Cd 228.802† | 18764.5 | 0.4872 mg/L | 0.00125 | 0.4872 mg/L | 0.00125 | 0.26% |
| QC value within limits for Cd 228.802 Recovery = 97.44% | | | | | | |
| Co 228.616† | 7832.8 | 0.2357 mg/L | 0.00052 | 0.2357 mg/L | 0.00052 | 0.22% |
| QC value within limits for Co 228.616 Recovery = 94.27% | | | | | | |
| Cr 267.716† | 31591.1 | 0.2532 mg/L | 0.00047 | 0.2532 mg/L | 0.00047 | 0.19% |
| QC value within limits for Cr 267.716 Recovery = 101.26% | | | | | | |
| Cu 324.752† | 54440.5 | 0.2519 mg/L | 0.00028 | 0.2519 mg/L | 0.00028 | 0.11% |
| QC value within limits for Cu 324.752 Recovery = 100.76% | | | | | | |
| Fe 234.349† | 4309071.4 | 96.62 mg/L | 0.050 | 96.62 mg/L | 0.050 | 0.05% |
| QC value within limits for Fe 234.349 Recovery = 96.62% | | | | | | |
| Fe 238.204† | 8667999.6 | 91.81 mg/L | 0.043 | 91.81 mg/L | 0.043 | 0.05% |
| QC value within limits for Fe 238.204 Recovery = 91.81% | | | | | | |
| K 766.490† | -12.3 | 0.6148 mg/L | 0.02984 | 0.6148 mg/L | 0.02984 | 4.85% |
| QC value within limits for K 766.490 Recovery = Not calculated | | | | | | |
| Li 670.784† | 35.2 | 0.0104 mg/L | 0.00024 | 0.0104 mg/L | 0.00024 | 2.29% |
| QC value within limits for Li 670.784 Recovery = Not calculated | | | | | | |
| Mg 279.077† | 4435579.8 | 253.6 mg/L | 0.13 | 253.6 mg/L | 0.13 | 0.05% |
| QC value within limits for Mg 279.077 Recovery = 101.44% | | | | | | |
| Mn 257.610† | 192066.7 | 0.2553 mg/L | 0.00081 | 0.2553 mg/L | 0.00081 | 0.32% |
| QC value within limits for Mn 257.610 Recovery = 102.12% | | | | | | |
| Mo 202.031† | 195.7 | 0.0142 mg/L | 0.00097 | 0.0142 mg/L | 0.00097 | 6.83% |
| QC value within limits for Mo 202.031 Recovery = Not calculated | | | | | | |
| Na 589.592 | 219.8 | 0.2105 mg/L | 0.00207 | 0.2105 mg/L | 0.00207 | 0.98% |
| QC value within limits for Na 589.592 Recovery = Not calculated | | | | | | |
| Ni 231.604† | 20558.7 | 0.4719 mg/L | 0.00156 | 0.4719 mg/L | 0.00156 | 0.33% |
| QC value within limits for Ni 231.604 Recovery = 94.37% | | | | | | |
| P 214.914† | -113.3 | -0.0867 mg/L | 0.00600 | -0.0867 mg/L | 0.00600 | 6.93% |
| QC value within limits for P 214.914 Recovery = Not calculated | | | | | | |
| Pb 220.353† | 3031.2 | 0.4797 mg/L | 0.00264 | 0.4797 mg/L | 0.00264 | 0.55% |
| QC value within limits for Pb 220.353 Recovery = 95.93% | | | | | | |
| Sb 206.836† | 2.9 | -0.0036 mg/L | 0.00057 | -0.0036 mg/L | 0.00057 | 15.88% |
| QC value within limits for Sb 206.836 Recovery = Not calculated | | | | | | |
| Se 196.026† | 17.5 | 0.0262 mg/L | 0.00712 | 0.0262 mg/L | 0.00712 | 27.21% |
| QC value greater than the upper limit for Se 196.026 Recovery = Not calculated | | | | | | |
| Sn 189.927† | 271.8 | 0.0787 mg/L | 0.00432 | 0.0787 mg/L | 0.00432 | 5.49% |
| QC value greater than the upper limit for Sn 189.927 Recovery = Not calculated | | | | | | |
| Sr 407.771† | 16652.9 | 0.0006 mg/L | 0.00000 | 0.0006 mg/L | 0.00000 | 0.23% |
| QC value within limits for Sr 407.771 Recovery = Not calculated | | | | | | |
| Ti 337.279† | 4150.7 | 0.0053 mg/L | 0.00003 | 0.0053 mg/L | 0.00003 | 0.64% |
| QC value within limits for Ti 337.279 Recovery = Not calculated | | | | | | |
| Tl 190.801† | 82.6 | 0.0953 mg/L | 0.00271 | 0.0953 mg/L | 0.00271 | 2.84% |
| QC value greater than the upper limit for Tl 190.801 Recovery = Not calculated | | | | | | |
| V 292.402† | 53339.1 | 0.2547 mg/L | 0.00043 | 0.2547 mg/L | 0.00043 | 0.17% |
| QC value within limits for V 292.402 Recovery = 101.88% | | | | | | |
| Zn 213.857† | 38109.0 | 0.4852 mg/L | 0.00004 | 0.4852 mg/L | 0.00004 | 0.01% |
| QC value within limits for Zn 213.857 Recovery = 97.04% | | | | | | |
| QC Failed. Continue with analysis. | | | | | | |

Sequence No.: 13

Sample ID: wash

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 0

Date Collected: 8/14/2006 4:33:12 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: wash

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. Units | Sample Conc. Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------------------|--------------------|---------------|
| 1 | K 766.490† | -438.9 | -27.7 | 0.6080 mg/L | 0.6080 mg/L | 16:34:39 |
| 1 | Li 670.784† | -158.2 | -36.7 | 0.0096 mg/L | 0.0096 mg/L | 16:34:39 |
| 1 | Na 589.592 | 340.8 | 24.2 | 0.1855 mg/L | 0.1855 mg/L | 16:34:39 |
| 1 | Y 371.029 | 3217672.5 | 3217672.5 | 0.990 mg/L | | 16:34:53 |
| 1 | Ag 328.068† | -1594.0 | 136.5 | 0.0007 mg/L | 0.0007 mg/L | 16:34:58 |

| | | | | | | |
|---|-------------|-----------|-----------|--------------|--------------|----------|
| 1 | Al 237.313† | 207.6 | 397.0 | 0.0571 mg/L | 0.0571 mg/L | 16:34:58 |
| 1 | As 188.979† | 4.6 | 0.2 | 0.0010 mg/L | 0.0010 mg/L | 16:35:18 |
| 1 | B 182.528† | -3.6 | -0.3 | 0.0047 mg/L | 0.0047 mg/L | 16:35:18 |
| 1 | Ba 233.527† | -83.4 | 9.3 | -0.0011 mg/L | -0.0011 mg/L | 16:35:18 |
| 1 | Be 313.107† | 1203.6 | 193.6 | -0.0001 mg/L | -0.0001 mg/L | 16:34:58 |
| 1 | Ca 315.886† | 7691.3 | 7094.8 | 0.0369 mg/L | 0.0369 mg/L | 16:34:58 |
| 1 | Cd 228.802† | 149.1 | 3.0 | -0.0010 mg/L | -0.0010 mg/L | 16:35:18 |
| 1 | Co 228.616† | -61.1 | 6.4 | -0.0035 mg/L | -0.0035 mg/L | 16:35:18 |
| 1 | Cr 267.716† | 1655.6 | -31.6 | -0.0016 mg/L | -0.0016 mg/L | 16:34:58 |
| 1 | Cu 324.752† | 2374.2 | 260.2 | -0.0017 mg/L | -0.0017 mg/L | 16:34:58 |
| 1 | Fe 234.349† | 4105.0 | 2550.9 | 0.0463 mg/L | 0.0463 mg/L | 16:34:58 |
| 1 | Fe 238.204† | 6284.5 | 5516.0 | 0.0483 mg/L | 0.0483 mg/L | 16:34:58 |
| 1 | Mg 279.077† | 2704.3 | 2608.6 | 0.1307 mg/L | 0.1307 mg/L | 16:34:58 |
| 1 | Mn 257.610† | 725.2 | -871.8 | -0.0040 mg/L | -0.0040 mg/L | 16:34:58 |
| 1 | Mo 202.031† | 46.3 | 4.3 | -0.0007 mg/L | -0.0007 mg/L | 16:35:18 |
| 1 | Ni 231.604† | 706.2 | 30.8 | -0.0029 mg/L | -0.0029 mg/L | 16:34:58 |
| 1 | P 214.914† | 68.0 | 0.3 | 0.0146 mg/L | 0.0146 mg/L | 16:35:18 |
| 1 | Pb 220.353† | -119.9 | 4.5 | -0.0011 mg/L | -0.0011 mg/L | 16:35:18 |
| 1 | Sb 206.836† | 30.4 | -5.0 | -0.0038 mg/L | -0.0038 mg/L | 16:35:18 |
| 1 | Se 196.026† | -7.4 | -2.7 | -0.0034 mg/L | -0.0034 mg/L | 16:35:18 |
| 1 | Sn 189.927† | 171.2 | 111.4 | 0.0264 mg/L | 0.0264 mg/L | 16:35:18 |
| 1 | Sr 407.771† | -280.9 | 13.6 | -0.0002 mg/L | -0.0002 mg/L | 16:34:53 |
| 1 | Ti 337.279† | -1598.2 | -40.9 | -0.0008 mg/L | -0.0008 mg/L | 16:34:58 |
| 1 | Tl 190.801† | -15.3 | 3.7 | 0.0181 mg/L | 0.0181 mg/L | 16:35:18 |
| 1 | V 292.402† | -1267.8 | -41.5 | -0.0005 mg/L | -0.0005 mg/L | 16:34:58 |
| 1 | Zn 213.857† | 860.3 | 141.4 | -0.0013 mg/L | -0.0013 mg/L | 16:35:18 |
| 2 | K 766.490† | -433.0 | -31.7 | 0.6063 mg/L | 0.6063 mg/L | 16:34:45 |
| 2 | Li 670.784† | -113.2 | 6.1 | 0.0101 mg/L | 0.0101 mg/L | 16:34:45 |
| 2 | Na 589.592 | 361.4 | 44.7 | 0.1881 mg/L | 0.1881 mg/L | 16:34:45 |
| 2 | Y 371.029 | 3146112.8 | 3146112.8 | 0.968 mg/L | | 16:35:24 |
| 2 | Ag 328.068† | -1953.3 | -271.2 | -0.0009 mg/L | -0.0009 mg/L | 16:35:29 |
| 2 | Al 237.313† | 285.6 | 482.3 | 0.0695 mg/L | 0.0695 mg/L | 16:35:29 |
| 2 | As 188.979† | 6.9 | 2.7 | 0.0050 mg/L | 0.0050 mg/L | 16:35:50 |
| 2 | B 182.528† | -3.4 | -0.2 | 0.0049 mg/L | 0.0049 mg/L | 16:35:50 |
| 2 | Ba 233.527† | -65.7 | 25.6 | -0.0009 mg/L | -0.0009 mg/L | 16:35:50 |
| 2 | Be 313.107† | 1323.5 | 345.0 | 0.0000 mg/L | 0.0000 mg/L | 16:35:29 |
| 2 | Ca 315.886† | 9174.6 | 8803.5 | 0.0513 mg/L | 0.0513 mg/L | 16:35:29 |
| 2 | Cd 228.802† | 150.3 | 7.7 | -0.0009 mg/L | -0.0009 mg/L | 16:35:50 |
| 2 | Co 228.616† | -70.1 | -4.3 | -0.0038 mg/L | -0.0038 mg/L | 16:35:50 |
| 2 | Cr 267.716† | 1793.4 | 148.8 | -0.0002 mg/L | -0.0002 mg/L | 16:35:29 |
| 2 | Cu 324.752† | 2436.6 | 379.1 | -0.0011 mg/L | -0.0011 mg/L | 16:35:29 |
| 2 | Fe 234.349† | 4257.9 | 2803.1 | 0.0519 mg/L | 0.0519 mg/L | 16:35:29 |
| 2 | Fe 238.204† | 6482.0 | 5864.3 | 0.0520 mg/L | 0.0520 mg/L | 16:35:29 |
| 2 | Mg 279.077† | 2819.6 | 2789.7 | 0.1410 mg/L | 0.1410 mg/L | 16:35:29 |
| 2 | Mn 257.610† | 760.7 | -818.4 | -0.0039 mg/L | -0.0039 mg/L | 16:35:29 |
| 2 | Mo 202.031† | 49.5 | 8.8 | -0.0003 mg/L | -0.0003 mg/L | 16:35:50 |
| 2 | Ni 231.604† | 711.5 | 52.4 | -0.0024 mg/L | -0.0024 mg/L | 16:35:29 |
| 2 | P 214.914† | 70.0 | 3.8 | 0.0177 mg/L | 0.0177 mg/L | 16:35:50 |
| 2 | Pb 220.353† | -141.3 | -20.4 | -0.0046 mg/L | -0.0046 mg/L | 16:35:50 |
| 2 | Sb 206.836† | 30.5 | -4.1 | -0.0034 mg/L | -0.0034 mg/L | 16:35:50 |
| 2 | Se 196.026† | -6.3 | -1.7 | -0.0018 mg/L | -0.0018 mg/L | 16:35:50 |
| 2 | Sn 189.927† | 153.5 | 97.2 | 0.0221 mg/L | 0.0221 mg/L | 16:35:50 |
| 2 | Sr 407.771† | -189.2 | 101.9 | -0.0002 mg/L | -0.0002 mg/L | 16:35:24 |
| 2 | Ti 337.279† | -1462.9 | 62.1 | -0.0007 mg/L | -0.0007 mg/L | 16:35:29 |
| 2 | Tl 190.801† | -5.8 | 13.2 | 0.0271 mg/L | 0.0271 mg/L | 16:35:50 |
| 2 | V 292.402† | -1244.5 | -46.5 | -0.0005 mg/L | -0.0005 mg/L | 16:35:29 |
| 2 | Zn 213.857† | 920.7 | 223.5 | -0.0002 mg/L | -0.0002 mg/L | 16:35:50 |

Mean Data: wash

| Analyte | Mean Corrected Intensity | Conc. | Calib Units | Std.Dev. | Sample Conc. | Units | Std.Dev. | RSD |
|-------------|--------------------------|---------|-------------|----------|--------------|-------|----------|---------|
| Y 371.029 | 3181892.7 | 0.979 | mg/L | 0.0156 | | | | 1.59% |
| Ag 328.068† | -67.4 | -0.0001 | mg/L | 0.00113 | -0.0001 | mg/L | 0.00113 | >999.9% |
| Al 237.313† | 439.7 | 0.0633 | mg/L | 0.00878 | 0.0633 | mg/L | 0.00878 | 13.86% |
| As 188.979† | 1.5 | 0.0030 | mg/L | 0.00287 | 0.0030 | mg/L | 0.00287 | 95.91% |
| B 182.528† | -0.3 | 0.0048 | mg/L | 0.00013 | 0.0048 | mg/L | 0.00013 | 2.79% |
| Ba 233.527† | 17.5 | -0.0010 | mg/L | 0.00013 | -0.0010 | mg/L | 0.00013 | 13.16% |
| Be 313.107† | 269.3 | 0.0000 | mg/L | 0.00003 | 0.0000 | mg/L | 0.00003 | 73.59% |
| Ca 315.886† | 7949.1 | 0.0441 | mg/L | 0.01017 | 0.0441 | mg/L | 0.01017 | 23.09% |
| Cd 228.802† | 5.3 | -0.0010 | mg/L | 0.00007 | -0.0010 | mg/L | 0.00007 | 7.15% |
| Co 228.616† | 1.1 | -0.0037 | mg/L | 0.00023 | -0.0037 | mg/L | 0.00023 | 6.34% |

| | | | | | | |
|-------------|--------|--------------|---------|--------------|---------|---------|
| Cr 267.716† | 58.6 | -0.0009 mg/L | 0.00101 | -0.0009 mg/L | 0.00101 | 109.26% |
| Cu 324.752† | 319.7 | -0.0014 mg/L | 0.00037 | -0.0014 mg/L | 0.00037 | 26.42% |
| Fe 234.349† | 2677.0 | 0.0491 mg/L | 0.00400 | 0.0491 mg/L | 0.00400 | 8.13% |
| Fe 238.204† | 5690.1 | 0.0502 mg/L | 0.00261 | 0.0502 mg/L | 0.00261 | 5.20% |
| K 766.490† | -29.7 | 0.6072 mg/L | 0.00125 | 0.6072 mg/L | 0.00125 | 0.21% |
| Li 670.784† | -15.3 | 0.0098 mg/L | 0.00036 | 0.0098 mg/L | 0.00036 | 3.65% |
| Mg 279.077† | 2699.1 | 0.1358 mg/L | 0.00732 | 0.1358 mg/L | 0.00732 | 5.39% |
| Mn 257.610† | -845.1 | -0.0039 mg/L | 0.00005 | -0.0039 mg/L | 0.00005 | 1.29% |
| Mo 202.031† | 6.6 | -0.0005 mg/L | 0.00024 | -0.0005 mg/L | 0.00024 | 49.53% |
| Na 589.592 | 34.4 | 0.1868 mg/L | 0.00186 | 0.1868 mg/L | 0.00186 | 1.00% |
| Ni 231.604† | 41.6 | -0.0026 mg/L | 0.00035 | -0.0026 mg/L | 0.00035 | 13.38% |
| P 214.914† | 2.0 | 0.0161 mg/L | 0.00225 | 0.0161 mg/L | 0.00225 | 13.91% |
| Pb 220.353† | -8.0 | -0.0028 mg/L | 0.00252 | -0.0028 mg/L | 0.00252 | 88.38% |
| Sb 206.836† | -4.5 | -0.0036 mg/L | 0.00031 | -0.0036 mg/L | 0.00031 | 8.71% |
| Se 196.026† | -2.2 | -0.0026 mg/L | 0.00109 | -0.0026 mg/L | 0.00109 | 42.08% |
| Sn 189.927† | 104.3 | 0.0242 mg/L | 0.00305 | 0.0242 mg/L | 0.00305 | 12.58% |
| Sr 407.771† | 57.8 | -0.0002 mg/L | 0.00000 | -0.0002 mg/L | 0.00000 | 1.55% |
| Ti 337.279† | 10.6 | -0.0008 mg/L | 0.00011 | -0.0008 mg/L | 0.00011 | 13.77% |
| Tl 190.801† | 8.4 | 0.0226 mg/L | 0.00637 | 0.0226 mg/L | 0.00637 | 28.17% |
| V 292.402† | -44.0 | -0.0005 mg/L | 0.00002 | -0.0005 mg/L | 0.00002 | 2.85% |
| Zn 213.857† | 182.4 | -0.0008 mg/L | 0.00076 | -0.0008 mg/L | 0.00076 | 99.67% |

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Analysis Begun

Start Time: 8/14/2006 4:55:27 PM

Plasma On Time: 8/14/2006 10:15:34 AM

Logged In Analyst: ICP3

Technique: ICP Continuous

Spectrometer Model: Optima 4300 DV, S/N 077N1032302 Autosampler Model: AS-91

Sample Information File: C:\pe\Administrator\Sample Information\081406NA.sif

Batch ID: 081406na

Results Data Set: 081406NAD

Results Library: Q:\Metals\Results\ICP3\Results2\Results.mdb

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Sequence No.: 1

Autosampler Location: 3

Sample ID: CCV

Date Collected: 8/14/2006 4:55:27 PM

Analyst:

Data Type: Original

Initial Sample Wt:

Initial Sample Vol:

Dilution:

Sample Prep Vol:

Replicate Data: CCV

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. Units | Sample Conc. Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------------------|--------------------|---------------|
| 1 | K 766.490† | 53214.6 | 54986.1 | 24.84 mg/L | 24.84 mg/L | 16:57:04 |
| 1 | Li 670.784† | 41133.3 | 42304.5 | 0.5117 mg/L | 0.5117 mg/L | 16:57:04 |
| 1 | Na 589.592 | 189013.6 | 188697.0 | 24.34 mg/L | 24.34 mg/L | 16:57:04 |
| 1 | Y 371.029 | 3168870.2 | 3168870.2 | 0.975 mg/L | | 16:57:20 |
| 1 | Ag 328.068† | 60908.5 | 64206.9 | 0.2522 mg/L | 0.2522 mg/L | 16:57:26 |
| 1 | Al 237.313† | 16455.9 | 17062.6 | 2.478 mg/L | 2.478 mg/L | 16:57:26 |
| 1 | As 188.979† | 301.3 | 304.6 | 0.4914 mg/L | 0.4914 mg/L | 16:57:46 |
| 1 | B 182.528† | 218.1 | 226.9 | 0.4890 mg/L | 0.4890 mg/L | 16:57:46 |
| 1 | Ba 233.527† | 43152.2 | 44345.3 | 0.4983 mg/L | 0.4983 mg/L | 16:57:26 |
| 1 | Be 313.107† | 189517.8 | 193325.0 | 0.0499 mg/L | 0.0499 mg/L | 16:57:20 |
| 1 | Ca 315.886† | 583074.3 | 597259.0 | 5.009 mg/L | 5.009 mg/L | 16:57:20 |
| 1 | Cd 228.802† | 9538.9 | 9634.3 | 0.2484 mg/L | 0.2484 mg/L | 16:57:26 |
| 1 | Co 228.616† | 15976.7 | 16451.9 | 0.4981 mg/L | 0.4981 mg/L | 16:57:26 |
| 1 | Cr 267.716† | 63591.1 | 63507.9 | 0.4988 mg/L | 0.4988 mg/L | 16:57:26 |
| 1 | Cu 324.752† | 114285.9 | 115060.5 | 0.4995 mg/L | 0.4995 mg/L | 16:57:20 |
| 1 | Fe 234.349† | 111321.8 | 112563.5 | 2.508 mg/L | 2.508 mg/L | 16:57:26 |
| 1 | Fe 238.204† | 234878.4 | 240032.5 | 2.533 mg/L | 2.533 mg/L | 16:57:20 |
| 1 | Mg 279.077† | 85870.0 | 87935.5 | 5.014 mg/L | 5.014 mg/L | 16:57:26 |
| 1 | Mn 257.610† | 368271.5 | 376051.4 | 0.5025 mg/L | 0.5025 mg/L | 16:57:20 |
| 1 | Mo 202.031† | 6323.4 | 6442.2 | 0.4980 mg/L | 0.4980 mg/L | 16:57:46 |
| 1 | Ni 231.604† | 22034.2 | 21913.2 | 0.5036 mg/L | 0.5036 mg/L | 16:57:26 |
| 1 | P 214.914† | 5460.2 | 5530.9 | 4.947 mg/L | 4.947 mg/L | 16:57:46 |
| 1 | Pb 220.353† | 3284.0 | 3493.3 | 0.4985 mg/L | 0.4985 mg/L | 16:57:46 |
| 1 | Sb 206.836† | 931.8 | 919.9 | 0.4885 mg/L | 0.4885 mg/L | 16:57:46 |
| 1 | Se 196.026† | 658.2 | 679.7 | 0.9911 mg/L | 0.9911 mg/L | 16:57:46 |
| 1 | Sn 189.927† | 1701.5 | 1683.4 | 0.5019 mg/L | 0.5019 mg/L | 16:57:46 |
| 1 | Sr 407.771† | 990690.2 | 1016231.8 | 0.0505 mg/L | 0.0505 mg/L | 16:57:20 |
| 1 | Ti 337.279† | 334855.5 | 344961.3 | 0.5008 mg/L | 0.5008 mg/L | 16:57:20 |
| 1 | Tl 190.801† | 406.8 | 436.4 | 0.4337 mg/L | 0.4337 mg/L | 16:57:46 |
| 1 | V 292.402† | 95963.6 | 99647.8 | 0.5065 mg/L | 0.5065 mg/L | 16:57:26 |
| 1 | Zn 213.857† | 38021.8 | 38263.2 | 0.4962 mg/L | 0.4962 mg/L | 16:57:26 |
| 2 | K 766.490† | 52216.2 | 54564.4 | 24.65 mg/L | 24.65 mg/L | 16:57:11 |
| 2 | Li 670.784† | 40562.2 | 42186.5 | 0.5103 mg/L | 0.5103 mg/L | 16:57:11 |
| 2 | Na 589.592 | 186237.4 | 185920.8 | 23.99 mg/L | 23.99 mg/L | 16:57:11 |
| 2 | Y 371.029 | 3133633.3 | 3133633.3 | 0.964 mg/L | | 16:57:53 |
| 2 | Ag 328.068† | 60701.6 | 64694.7 | 0.2541 mg/L | 0.2541 mg/L | 16:57:58 |
| 2 | Al 237.313† | 16414.7 | 17209.6 | 2.499 mg/L | 2.499 mg/L | 16:57:58 |
| 2 | As 188.979† | 303.8 | 310.7 | 0.5012 mg/L | 0.5012 mg/L | 16:58:19 |
| 2 | B 182.528† | 218.6 | 230.0 | 0.4956 mg/L | 0.4956 mg/L | 16:58:19 |
| 2 | Ba 233.527† | 43017.4 | 44703.2 | 0.5023 mg/L | 0.5023 mg/L | 16:57:58 |
| 2 | Be 313.107† | 187484.7 | 193402.0 | 0.0499 mg/L | 0.0499 mg/L | 16:57:53 |
| 2 | Ca 315.886† | 576616.7 | 597286.0 | 5.010 mg/L | 5.010 mg/L | 16:57:53 |
| 2 | Cd 228.802† | 9496.3 | 9700.2 | 0.2501 mg/L | 0.2501 mg/L | 16:57:58 |
| 2 | Co 228.616† | 15910.0 | 16566.9 | 0.5016 mg/L | 0.5016 mg/L | 16:57:58 |
| 2 | Cr 267.716† | 63397.9 | 64040.9 | 0.5030 mg/L | 0.5030 mg/L | 16:57:58 |
| 2 | Cu 324.752† | 113149.6 | 115200.0 | 0.5001 mg/L | 0.5001 mg/L | 16:57:53 |
| 2 | Fe 234.349† | 110846.0 | 113353.8 | 2.526 mg/L | 2.526 mg/L | 16:57:58 |
| 2 | Fe 238.204† | 232400.9 | 240171.7 | 2.535 mg/L | 2.535 mg/L | 16:57:53 |

| | | | | | | |
|---|-------------|----------|-----------|-------------|-------------|----------|
| 2 | Mg 279.077† | 85397.3 | 88435.4 | 5.043 mg/L | 5.043 mg/L | 16:57:58 |
| 2 | Mn 257.610† | 364251.2 | 376128.9 | 0.5026 mg/L | 0.5026 mg/L | 16:57:53 |
| 2 | Mo 202.031† | 6392.7 | 6586.9 | 0.5092 mg/L | 0.5092 mg/L | 16:58:19 |
| 2 | Ni 231.604† | 21958.8 | 22089.1 | 0.5076 mg/L | 0.5076 mg/L | 16:57:58 |
| 2 | P 214.914† | 5454.8 | 5588.3 | 4.998 mg/L | 4.998 mg/L | 16:58:19 |
| 2 | Pb 220.353† | 3305.8 | 3553.7 | 0.5072 mg/L | 0.5072 mg/L | 16:58:19 |
| 2 | Sb 206.836† | 930.5 | 929.3 | 0.4935 mg/L | 0.4935 mg/L | 16:58:19 |
| 2 | Se 196.026† | 658.9 | 688.1 | 1.003 mg/L | 1.003 mg/L | 16:58:19 |
| 2 | Sn 189.927† | 1696.9 | 1698.3 | 0.5064 mg/L | 0.5064 mg/L | 16:58:19 |
| 2 | Sr 407.771† | 980753.0 | 1017350.7 | 0.0505 mg/L | 0.0505 mg/L | 16:57:53 |
| 2 | Ti 337.279† | 331632.4 | 345480.2 | 0.5016 mg/L | 0.5016 mg/L | 16:57:53 |
| 2 | Tl 190.801† | 425.0 | 459.9 | 0.4561 mg/L | 0.4561 mg/L | 16:58:19 |
| 2 | V 292.402† | 95633.4 | 100412.0 | 0.5105 mg/L | 0.5105 mg/L | 16:57:58 |
| 2 | Zn 213.857† | 37855.3 | 38528.9 | 0.4996 mg/L | 0.4996 mg/L | 16:57:58 |

Mean Data: CCV

| Analyte | Mean Corrected Intensity | Conc. Units | Calib | Std.Dev. | Sample Conc. Units | Std.Dev. | RSD |
|--|--------------------------|-------------|-------|----------|--------------------|----------|-------|
| Y 371.029 | 3151251.7 | 0.970 mg/L | | 0.0077 | | | 0.79% |
| Ag 328.068† | 64450.8 | 0.2532 mg/L | | 0.00136 | 0.2532 mg/L | 0.00136 | 0.54% |
| QC value within limits for Ag 328.068 Recovery = 101.27% | | | | | | | |
| Al 237.313† | 17136.1 | 2.488 mg/L | | 0.0151 | 2.488 mg/L | 0.0151 | 0.61% |
| QC value within limits for Al 237.313 Recovery = 99.53% | | | | | | | |
| As 188.979† | 307.6 | 0.4963 mg/L | | 0.00690 | 0.4963 mg/L | 0.00690 | 1.39% |
| QC value within limits for As 188.979 Recovery = 99.27% | | | | | | | |
| B 182.528† | 228.4 | 0.4923 mg/L | | 0.00468 | 0.4923 mg/L | 0.00468 | 0.95% |
| QC value within limits for B 182.528 Recovery = 98.46% | | | | | | | |
| Ba 233.527† | 44524.2 | 0.5003 mg/L | | 0.00285 | 0.5003 mg/L | 0.00285 | 0.57% |
| QC value within limits for Ba 233.527 Recovery = 100.06% | | | | | | | |
| Be 313.107† | 193363.5 | 0.0499 mg/L | | 0.00001 | 0.0499 mg/L | 0.00001 | 0.03% |
| QC value within limits for Be 313.107 Recovery = 99.73% | | | | | | | |
| Ca 315.886† | 597272.5 | 5.009 mg/L | | 0.0002 | 5.009 mg/L | 0.0002 | 0.00% |
| QC value within limits for Ca 315.886 Recovery = 100.19% | | | | | | | |
| Cd 228.802† | 9667.3 | 0.2493 mg/L | | 0.00118 | 0.2493 mg/L | 0.00118 | 0.47% |
| QC value within limits for Cd 228.802 Recovery = 99.71% | | | | | | | |
| Co 228.616† | 16509.4 | 0.4999 mg/L | | 0.00249 | 0.4999 mg/L | 0.00249 | 0.50% |
| QC value within limits for Co 228.616 Recovery = 99.98% | | | | | | | |
| Cr 267.716† | 63774.4 | 0.5009 mg/L | | 0.00297 | 0.5009 mg/L | 0.00297 | 0.59% |
| QC value within limits for Cr 267.716 Recovery = 100.17% | | | | | | | |
| Cu 324.752† | 115130.2 | 0.4998 mg/L | | 0.00043 | 0.4998 mg/L | 0.00043 | 0.09% |
| QC value within limits for Cu 324.752 Recovery = 99.96% | | | | | | | |
| Fe 234.349† | 112958.7 | 2.517 mg/L | | 0.0125 | 2.517 mg/L | 0.0125 | 0.50% |
| QC value within limits for Fe 234.349 Recovery = 100.67% | | | | | | | |
| Fe 238.204† | 240102.1 | 2.534 mg/L | | 0.0010 | 2.534 mg/L | 0.0010 | 0.04% |
| QC value within limits for Fe 238.204 Recovery = 101.36% | | | | | | | |
| K 766.490† | 54775.3 | 24.75 mg/L | | 0.131 | 24.75 mg/L | 0.131 | 0.53% |
| QC value within limits for K 766.490 Recovery = 98.98% | | | | | | | |
| Li 670.784† | 42245.5 | 0.5110 mg/L | | 0.00099 | 0.5110 mg/L | 0.00099 | 0.19% |
| QC value within limits for Li 670.784 Recovery = 102.20% | | | | | | | |
| Mg 279.077† | 88185.5 | 5.029 mg/L | | 0.0202 | 5.029 mg/L | 0.0202 | 0.40% |
| QC value within limits for Mg 279.077 Recovery = 100.57% | | | | | | | |
| Mn 257.610† | 376090.1 | 0.5026 mg/L | | 0.00007 | 0.5026 mg/L | 0.00007 | 0.01% |
| QC value within limits for Mn 257.610 Recovery = 100.51% | | | | | | | |
| Mo 202.031† | 6514.5 | 0.5036 mg/L | | 0.00793 | 0.5036 mg/L | 0.00793 | 1.57% |
| QC value within limits for Mo 202.031 Recovery = 100.71% | | | | | | | |
| Na 589.592 | 187308.9 | 24.16 mg/L | | 0.251 | 24.16 mg/L | 0.251 | 1.04% |
| QC value within limits for Na 589.592 Recovery = 96.65% | | | | | | | |
| Ni 231.604† | 22001.2 | 0.5056 mg/L | | 0.00288 | 0.5056 mg/L | 0.00288 | 0.57% |
| QC value within limits for Ni 231.604 Recovery = 101.12% | | | | | | | |
| P 214.914† | 5559.6 | 4.972 mg/L | | 0.0362 | 4.972 mg/L | 0.0362 | 0.73% |
| QC value within limits for P 214.914 Recovery = 99.45% | | | | | | | |
| Pb 220.353† | 3523.5 | 0.5028 mg/L | | 0.00613 | 0.5028 mg/L | 0.00613 | 1.22% |
| QC value within limits for Pb 220.353 Recovery = 100.56% | | | | | | | |
| Sb 206.836† | 924.6 | 0.4910 mg/L | | 0.00354 | 0.4910 mg/L | 0.00354 | 0.72% |
| QC value within limits for Sb 206.836 Recovery = 98.20% | | | | | | | |
| Se 196.026† | 683.9 | 0.9972 mg/L | | 0.00863 | 0.9972 mg/L | 0.00863 | 0.87% |
| QC value within limits for Se 196.026 Recovery = 99.72% | | | | | | | |
| Sn 189.927† | 1690.9 | 0.5042 mg/L | | 0.00319 | 0.5042 mg/L | 0.00319 | 0.63% |
| QC value within limits for Sn 189.927 Recovery = 100.83% | | | | | | | |
| Sr 407.771† | 1016791.2 | 0.0505 mg/L | | 0.00004 | 0.0505 mg/L | 0.00004 | 0.08% |
| QC value within limits for Sr 407.771 Recovery = 100.99% | | | | | | | |

Ti 337.279† 345220.7 0.5012 mg/L 0.00053 0.5012 mg/L 0.00053 0.11%
 QC value within limits for Ti 337.279 Recovery = 100.24%
 Tl 190.801† 448.1 0.4449 mg/L 0.01585 0.4449 mg/L 0.01585 3.56%
 QC value less than the lower limit for Tl 190.801 Recovery = 88.99%
 V 292.402† 100029.9 0.5085 mg/L 0.00284 0.5085 mg/L 0.00284 0.56%
 QC value within limits for V 292.402 Recovery = 101.71%
 Zn 213.857† 38396.1 0.4979 mg/L 0.00245 0.4979 mg/L 0.00245 0.49%
 QC value within limits for Zn 213.857 Recovery = 99.58%
 QC Failed. Continue with analysis.

Sequence No.: 2

Autosampler Location: 1

Sample ID: ICCB

Date Collected: 8/14/2006 4:59:57 PM

Analyst:

Data Type: Original

Initial Sample Wt:

Initial Sample Vol:

Dilution:

Sample Prep Vol:

Replicate Data: ICCB

| Repl# | Analyte | Net | Corrected | Calib. | Sample | Analysis |
|-------|-------------|-----------|-----------|--------------|--------------|----------|
| | | Intensity | Intensity | Conc. Units | Conc. Units | Time |
| 1 | K 766.490† | -343.3 | 67.6 | 0.6500 mg/L | 0.6500 mg/L | 17:01:30 |
| 1 | Li 670.784† | -154.8 | -33.9 | 0.0096 mg/L | 0.0096 mg/L | 17:01:30 |
| 1 | Na 589.592 | 330.5 | 13.9 | 0.1841 mg/L | 0.1841 mg/L | 17:01:30 |
| 1 | Y 371.029 | 3206171.8 | 3206171.8 | 0.987 mg/L | | 17:01:44 |
| 1 | Ag 328.068† | -1483.8 | 242.5 | 0.0012 mg/L | 0.0012 mg/L | 17:01:49 |
| 1 | Al 237.313† | -169.3 | 15.7 | 0.0017 mg/L | 0.0017 mg/L | 17:01:49 |
| 1 | As 188.979† | 6.0 | 1.7 | 0.0034 mg/L | 0.0034 mg/L | 17:02:09 |
| 1 | B 182.528† | 0.0 | 3.3 | 0.0124 mg/L | 0.0124 mg/L | 17:02:09 |
| 1 | Ba 233.527† | -94.5 | -2.3 | -0.0012 mg/L | -0.0012 mg/L | 17:02:09 |
| 1 | Be 313.107† | 1102.3 | 95.3 | -0.0001 mg/L | -0.0001 mg/L | 17:01:49 |
| 1 | Ca 315.886† | 789.9 | 127.7 | -0.0218 mg/L | -0.0218 mg/L | 17:01:49 |
| 1 | Cd 228.802† | 150.5 | 5.0 | -0.0010 mg/L | -0.0010 mg/L | 17:02:09 |
| 1 | Co 228.616† | -69.6 | -2.4 | -0.0038 mg/L | -0.0038 mg/L | 17:02:09 |
| 1 | Cr 267.716† | 1642.9 | -38.4 | -0.0017 mg/L | -0.0017 mg/L | 17:01:49 |
| 1 | Cu 324.752† | 2180.3 | 72.2 | -0.0025 mg/L | -0.0025 mg/L | 17:01:49 |
| 1 | Fe 234.349† | 1962.4 | 394.1 | -0.0021 mg/L | -0.0021 mg/L | 17:01:49 |
| 1 | Fe 238.204† | 1722.2 | 914.6 | -0.0004 mg/L | -0.0004 mg/L | 17:01:49 |
| 1 | Mg 279.077† | 376.8 | 259.3 | -0.0037 mg/L | -0.0037 mg/L | 17:01:49 |
| 1 | Mn 257.610† | 704.7 | -889.9 | -0.0040 mg/L | -0.0040 mg/L | 17:01:49 |
| 1 | Mo 202.031† | 73.9 | 32.5 | 0.0015 mg/L | 0.0015 mg/L | 17:02:09 |
| 1 | Ni 231.604† | 733.5 | 61.0 | -0.0022 mg/L | -0.0022 mg/L | 17:01:49 |
| 1 | P 214.914† | 73.7 | 6.2 | 0.0199 mg/L | 0.0199 mg/L | 17:02:09 |
| 1 | Pb 220.353† | -106.8 | 17.3 | 0.0008 mg/L | 0.0008 mg/L | 17:02:09 |
| 1 | Sb 206.836† | 26.2 | -9.1 | -0.0061 mg/L | -0.0061 mg/L | 17:02:09 |
| 1 | Se 196.026† | -5.1 | -0.4 | 0.0001 mg/L | 0.0001 mg/L | 17:02:09 |
| 1 | Sn 189.927† | 59.8 | -0.8 | -0.0076 mg/L | -0.0076 mg/L | 17:02:09 |
| 1 | Sr 407.771† | -283.1 | 10.4 | -0.0002 mg/L | -0.0002 mg/L | 17:01:44 |
| 1 | Ti 337.279† | -1515.2 | 37.4 | -0.0007 mg/L | -0.0007 mg/L | 17:01:49 |
| 1 | Tl 190.801† | 7.6 | 26.9 | 0.0403 mg/L | 0.0403 mg/L | 17:02:09 |
| 1 | V 292.402† | -1220.7 | 1.6 | -0.0003 mg/L | -0.0003 mg/L | 17:01:49 |
| 1 | Zn 213.857† | 849.9 | 133.9 | -0.0014 mg/L | -0.0014 mg/L | 17:02:09 |
| 2 | K 766.490† | -373.1 | 31.1 | 0.6339 mg/L | 0.6339 mg/L | 17:01:36 |
| 2 | Li 670.784† | -115.4 | 4.1 | 0.0101 mg/L | 0.0101 mg/L | 17:01:36 |
| 2 | Na 589.592 | 401.0 | 84.4 | 0.1932 mg/L | 0.1932 mg/L | 17:01:36 |
| 2 | Y 371.029 | 3152967.5 | 3152967.5 | 0.970 mg/L | | 17:02:15 |
| 2 | Ag 328.068† | -1487.8 | 212.9 | 0.0010 mg/L | 0.0010 mg/L | 17:02:20 |
| 2 | Al 237.313† | -206.3 | -25.3 | -0.0042 mg/L | -0.0042 mg/L | 17:02:20 |
| 2 | As 188.979† | 6.4 | 2.2 | 0.0042 mg/L | 0.0042 mg/L | 17:02:40 |
| 2 | B 182.528† | -2.5 | 0.7 | 0.0069 mg/L | 0.0069 mg/L | 17:02:40 |
| 2 | Ba 233.527† | -89.7 | 1.0 | -0.0012 mg/L | -0.0012 mg/L | 17:02:40 |
| 2 | Be 313.107† | 1164.8 | 178.6 | -0.0001 mg/L | -0.0001 mg/L | 17:02:20 |
| 2 | Ca 315.886† | 772.0 | 122.7 | -0.0218 mg/L | -0.0218 mg/L | 17:02:20 |
| 2 | Cd 228.802† | 146.9 | 3.8 | -0.0010 mg/L | -0.0010 mg/L | 17:02:40 |
| 2 | Co 228.616† | -56.1 | 10.3 | -0.0034 mg/L | -0.0034 mg/L | 17:02:40 |
| 2 | Cr 267.716† | 1611.8 | -42.4 | -0.0017 mg/L | -0.0017 mg/L | 17:02:20 |
| 2 | Cu 324.752† | 2153.4 | 81.8 | -0.0024 mg/L | -0.0024 mg/L | 17:02:20 |
| 2 | Fe 234.349† | 1989.1 | 455.2 | -0.0007 mg/L | -0.0007 mg/L | 17:02:20 |
| 2 | Fe 238.204† | 1650.9 | 870.6 | -0.0009 mg/L | -0.0009 mg/L | 17:02:20 |
| 2 | Mg 279.077† | 338.4 | 226.1 | -0.0056 mg/L | -0.0056 mg/L | 17:02:20 |
| 2 | Mn 257.610† | 721.8 | -860.2 | -0.0039 mg/L | -0.0039 mg/L | 17:02:20 |
| 2 | Mo 202.031† | 73.2 | 33.1 | 0.0016 mg/L | 0.0016 mg/L | 17:02:40 |

| | | | | | | |
|---|-------------|---------|-------|--------------|--------------|----------|
| 2 | Ni 231.604† | 737.6 | 77.7 | -0.0018 mg/L | -0.0018 mg/L | 17:02:20 |
| 2 | P 214.914† | 57.6 | -9.1 | 0.0062 mg/L | 0.0062 mg/L | 17:02:40 |
| 2 | Pb 220.353† | -129.8 | -8.2 | -0.0029 mg/L | -0.0029 mg/L | 17:02:40 |
| 2 | Sb 206.836† | 31.4 | -3.3 | -0.0029 mg/L | -0.0029 mg/L | 17:02:40 |
| 2 | Se 196.026† | -2.9 | 1.7 | 0.0032 mg/L | 0.0032 mg/L | 17:02:40 |
| 2 | Sn 189.927† | 52.7 | -7.1 | -0.0095 mg/L | -0.0095 mg/L | 17:02:40 |
| 2 | Sr 407.771† | -319.2 | -31.7 | -0.0002 mg/L | -0.0002 mg/L | 17:02:15 |
| 2 | Ti 337.279† | -1465.8 | 62.4 | -0.0007 mg/L | -0.0007 mg/L | 17:02:20 |
| 2 | Tl 190.801† | 6.5 | 25.9 | 0.0393 mg/L | 0.0393 mg/L | 17:02:40 |
| 2 | V 292.402† | -1257.9 | -57.5 | -0.0006 mg/L | -0.0006 mg/L | 17:02:20 |
| 2 | Zn 213.857† | 843.6 | 142.0 | -0.0013 mg/L | -0.0013 mg/L | 17:02:40 |

Mean Data: ICCB

| Analyte | Mean Corrected | | Calib | | Sample | | RSD |
|---|----------------|---------|-------|----------|---------|-------|---------|
| | Intensity | Conc. | Units | Std.Dev. | Conc. | Units | |
| Y 371.029 | 3179569.6 | 0.978 | mg/L | 0.0116 | | | 1.18% |
| Ag 328.068† | 227.7 | 0.0011 | mg/L | 0.00008 | 0.0011 | mg/L | 7.45% |
| QC value within limits for Ag 328.068 Recovery = Not calculated | | | | | | | |
| Al 237.313† | -4.8 | -0.0012 | mg/L | 0.00423 | -0.0012 | mg/L | 340.36% |
| QC value within limits for Al 237.313 Recovery = Not calculated | | | | | | | |
| As 188.979† | 2.0 | 0.0038 | mg/L | 0.00062 | 0.0038 | mg/L | 16.40% |
| QC value within limits for As 188.979 Recovery = Not calculated | | | | | | | |
| B 182.528† | 2.0 | 0.0096 | mg/L | 0.00388 | 0.0096 | mg/L | 40.25% |
| QC value within limits for B 182.528 Recovery = Not calculated | | | | | | | |
| Ba 233.527† | -0.6 | -0.0012 | mg/L | 0.00003 | -0.0012 | mg/L | 2.23% |
| QC value within limits for Ba 233.527 Recovery = Not calculated | | | | | | | |
| Be 313.107† | 136.9 | -0.0001 | mg/L | 0.00002 | -0.0001 | mg/L | 20.94% |
| QC value within limits for Be 313.107 Recovery = Not calculated | | | | | | | |
| Ca 315.886† | 125.2 | -0.0218 | mg/L | 0.00003 | -0.0218 | mg/L | 0.14% |
| QC value less than the lower limit for Ca 315.886 Recovery = Not calculated | | | | | | | |
| Cd 228.802† | 4.4 | -0.0010 | mg/L | 0.00002 | -0.0010 | mg/L | 2.43% |
| QC value within limits for Cd 228.802 Recovery = Not calculated | | | | | | | |
| Co 228.616† | 3.9 | -0.0036 | mg/L | 0.00027 | -0.0036 | mg/L | 7.64% |
| QC value less than the lower limit for Co 228.616 Recovery = Not calculated | | | | | | | |
| Cr 267.716† | -40.4 | -0.0017 | mg/L | 0.00002 | -0.0017 | mg/L | 1.30% |
| QC value within limits for Cr 267.716 Recovery = Not calculated | | | | | | | |
| Cu 324.752† | 77.0 | -0.0025 | mg/L | 0.00003 | -0.0025 | mg/L | 1.21% |
| QC value less than the lower limit for Cu 324.752 Recovery = Not calculated | | | | | | | |
| Fe 234.349† | 424.6 | -0.0014 | mg/L | 0.00097 | -0.0014 | mg/L | 69.12% |
| QC value within limits for Fe 234.349 Recovery = Not calculated | | | | | | | |
| Fe 238.204† | 892.6 | -0.0006 | mg/L | 0.00033 | -0.0006 | mg/L | 51.92% |
| QC value within limits for Fe 238.204 Recovery = Not calculated | | | | | | | |
| K 766.490† | 49.4 | 0.6420 | mg/L | 0.01138 | 0.6420 | mg/L | 1.77% |
| QC value greater than the upper limit for K 766.490 Recovery = Not calculated | | | | | | | |
| Li 670.784† | -14.9 | 0.0098 | mg/L | 0.00032 | 0.0098 | mg/L | 3.23% |
| QC value within limits for Li 670.784 Recovery = Not calculated | | | | | | | |
| Mg 279.077† | 242.7 | -0.0046 | mg/L | 0.00134 | -0.0046 | mg/L | 29.03% |
| QC value within limits for Mg 279.077 Recovery = Not calculated | | | | | | | |
| Mn 257.610† | -875.1 | -0.0040 | mg/L | 0.00003 | -0.0040 | mg/L | 0.71% |
| QC value within limits for Mn 257.610 Recovery = Not calculated | | | | | | | |
| Mo 202.031† | 32.8 | 0.0015 | mg/L | 0.00003 | 0.0015 | mg/L | 2.09% |
| QC value within limits for Mo 202.031 Recovery = Not calculated | | | | | | | |
| Na 589.592 | 49.1 | 0.1887 | mg/L | 0.00638 | 0.1887 | mg/L | 3.38% |
| QC value within limits for Na 589.592 Recovery = Not calculated | | | | | | | |
| Ni 231.604† | 69.4 | -0.0020 | mg/L | 0.00027 | -0.0020 | mg/L | 13.64% |
| QC value less than the lower limit for Ni 231.604 Recovery = Not calculated | | | | | | | |
| P 214.914† | -1.5 | 0.0130 | mg/L | 0.00966 | 0.0130 | mg/L | 74.17% |
| QC value within limits for P 214.914 Recovery = Not calculated | | | | | | | |
| Pb 220.353† | 4.6 | -0.0011 | mg/L | 0.00258 | -0.0011 | mg/L | 242.65% |
| QC value within limits for Pb 220.353 Recovery = Not calculated | | | | | | | |
| Sb 206.836† | -6.2 | -0.0045 | mg/L | 0.00222 | -0.0045 | mg/L | 49.43% |
| QC value within limits for Sb 206.836 Recovery = Not calculated | | | | | | | |
| Se 196.026† | 0.7 | 0.0017 | mg/L | 0.00216 | 0.0017 | mg/L | 130.21% |
| QC value within limits for Se 196.026 Recovery = Not calculated | | | | | | | |
| Sn 189.927† | -3.9 | -0.0085 | mg/L | 0.00134 | -0.0085 | mg/L | 15.79% |
| QC value within limits for Sn 189.927 Recovery = Not calculated | | | | | | | |
| Sr 407.771† | -10.7 | -0.0002 | mg/L | 0.00000 | -0.0002 | mg/L | 0.73% |
| QC value within limits for Sr 407.771 Recovery = Not calculated | | | | | | | |
| Ti 337.279† | 49.9 | -0.0007 | mg/L | 0.00003 | -0.0007 | mg/L | 3.61% |
| QC value within limits for Ti 337.279 Recovery = Not calculated | | | | | | | |
| Tl 190.801† | 26.4 | 0.0398 | mg/L | 0.00067 | 0.0398 | mg/L | 1.70% |

QC value greater than the upper limit for Tl 190.801 Recovery = Not calculated
 V 292.402† -27.9 -0.0004 mg/L 0.00021 -0.0004 mg/L 0.00021 51.18%
 QC value within limits for V 292.402 Recovery = Not calculated
 Zn 213.857† 137.9 -0.0013 mg/L 0.00007 -0.0013 mg/L 0.00007 5.42%
 QC value within limits for Zn 213.857 Recovery = Not calculated
 QC Failed. Continue with analysis.

Sequence No.: 3

Autosampler Location: 9

Sample ID: BH61418-BLK1

Date Collected: 8/14/2006 5:04:18 PM

Analyst:

Data Type: Original

Initial Sample Wt:

Initial Sample Vol:

Dilution:

Sample Prep Vol:

Replicate Data: BH61418-BLK1

| Repl# | Analyte | Net | Corrected | Calib. | Sample | Analysis |
|-------|-------------|-----------|-----------|--------------|--------------|----------|
| | | Intensity | Intensity | Conc. Units | Conc. Units | Time |
| 1 | K 766.490† | -351.0 | 54.3 | 0.6441 mg/L | 0.6441 mg/L | 17:05:54 |
| 1 | Li 670.784† | -122.2 | -2.8 | 0.0100 mg/L | 0.0100 mg/L | 17:05:54 |
| 1 | Na 589.592 | 10367.4 | 10050.7 | 1.469 mg/L | 1.469 mg/L | 17:05:54 |
| 1 | Y 371.029 | 3156751.4 | 3156751.4 | 0.971 mg/L | | 17:06:08 |
| 1 | Ag 328.068† | -1632.1 | 66.2 | 0.0005 mg/L | 0.0005 mg/L | 17:06:13 |
| 1 | Al 237.313† | -196.7 | -15.1 | -0.0028 mg/L | -0.0028 mg/L | 17:06:13 |
| 1 | As 188.979† | 8.8 | 4.7 | 0.0082 mg/L | 0.0082 mg/L | 17:06:33 |
| 1 | B 182.528† | -2.1 | 1.1 | 0.0078 mg/L | 0.0078 mg/L | 17:06:33 |
| 1 | Ba 233.527† | -64.0 | 27.7 | -0.0009 mg/L | -0.0009 mg/L | 17:06:33 |
| 1 | Be 313.107† | 1107.3 | 117.9 | -0.0001 mg/L | -0.0001 mg/L | 17:06:13 |
| 1 | Ca 315.886† | 2868.0 | 2279.5 | -0.0037 mg/L | -0.0037 mg/L | 17:06:13 |
| 1 | Cd 228.802† | 142.5 | -0.9 | -0.0011 mg/L | -0.0011 mg/L | 17:06:33 |
| 1 | Co 228.616† | -77.3 | -11.5 | -0.0041 mg/L | -0.0041 mg/L | 17:06:33 |
| 1 | Cr 267.716† | 2280.0 | 643.5 | 0.0037 mg/L | 0.0037 mg/L | 17:06:13 |
| 1 | Cu 324.752† | 2441.7 | 376.0 | -0.0012 mg/L | -0.0012 mg/L | 17:06:13 |
| 1 | Fe 234.349† | 2520.2 | 999.4 | 0.0115 mg/L | 0.0115 mg/L | 17:06:13 |
| 1 | Fe 238.204† | 2831.5 | 2083.9 | 0.0120 mg/L | 0.0120 mg/L | 17:06:13 |
| 1 | Mg 279.077† | 394.2 | 283.2 | -0.0023 mg/L | -0.0023 mg/L | 17:06:13 |
| 1 | Mn 257.610† | 1042.9 | -530.7 | -0.0035 mg/L | -0.0035 mg/L | 17:06:13 |
| 1 | Mo 202.031† | 67.6 | 27.2 | 0.0011 mg/L | 0.0011 mg/L | 17:06:33 |
| 1 | Ni 231.604† | 839.9 | 182.1 | 0.0006 mg/L | 0.0006 mg/L | 17:06:13 |
| 1 | P 214.914† | 1042.7 | 1004.9 | 0.9105 mg/L | 0.9105 mg/L | 17:06:33 |
| 1 | Pb 220.353† | -127.2 | -5.3 | -0.0025 mg/L | -0.0025 mg/L | 17:06:33 |
| 1 | Sb 206.836† | 30.3 | -4.4 | -0.0036 mg/L | -0.0036 mg/L | 17:06:33 |
| 1 | Se 196.026† | -0.6 | 4.2 | 0.0068 mg/L | 0.0068 mg/L | 17:06:33 |
| 1 | Sn 189.927† | 92.0 | 33.3 | 0.0028 mg/L | 0.0028 mg/L | 17:06:33 |
| 1 | Sr 407.771† | 173.4 | 475.8 | -0.0002 mg/L | -0.0002 mg/L | 17:06:08 |
| 1 | Ti 337.279† | -1416.6 | 114.9 | -0.0006 mg/L | -0.0006 mg/L | 17:06:13 |
| 1 | Tl 190.801† | 2.9 | 22.2 | 0.0358 mg/L | 0.0358 mg/L | 17:06:33 |
| 1 | V 292.402† | -1221.4 | -18.4 | -0.0004 mg/L | -0.0004 mg/L | 17:06:13 |
| 1 | Zn 213.857† | 932.9 | 232.8 | -0.0001 mg/L | -0.0001 mg/L | 17:06:33 |
| 2 | K 766.490† | -417.8 | -13.9 | 0.6141 mg/L | 0.6141 mg/L | 17:06:00 |
| 2 | Li 670.784† | -150.5 | -31.7 | 0.0096 mg/L | 0.0096 mg/L | 17:06:00 |
| 2 | Na 589.592 | 10435.0 | 10118.4 | 1.478 mg/L | 1.478 mg/L | 17:06:00 |
| 2 | Y 371.029 | 3161017.8 | 3161017.8 | 0.973 mg/L | | 17:06:39 |
| 2 | Ag 328.068† | -1613.7 | 87.4 | 0.0005 mg/L | 0.0005 mg/L | 17:06:44 |
| 2 | Al 237.313† | -159.0 | 23.9 | 0.0029 mg/L | 0.0029 mg/L | 17:06:44 |
| 2 | As 188.979† | 6.4 | 2.2 | 0.0042 mg/L | 0.0042 mg/L | 17:07:05 |
| 2 | B 182.528† | -3.7 | -0.5 | 0.0043 mg/L | 0.0043 mg/L | 17:07:05 |
| 2 | Ba 233.527† | -79.3 | 12.0 | -0.0011 mg/L | -0.0011 mg/L | 17:07:05 |
| 2 | Be 313.107† | 1056.5 | 64.1 | -0.0001 mg/L | -0.0001 mg/L | 17:06:44 |
| 2 | Ca 315.886† | 2964.7 | 2374.9 | -0.0029 mg/L | -0.0029 mg/L | 17:06:44 |
| 2 | Cd 228.802† | 145.2 | 1.7 | -0.0011 mg/L | -0.0011 mg/L | 17:07:05 |
| 2 | Co 228.616† | -79.1 | -13.2 | -0.0041 mg/L | -0.0041 mg/L | 17:07:05 |
| 2 | Cr 267.716† | 2310.4 | 671.6 | 0.0039 mg/L | 0.0039 mg/L | 17:06:44 |
| 2 | Cu 324.752† | 2391.4 | 320.8 | -0.0014 mg/L | -0.0014 mg/L | 17:06:44 |
| 2 | Fe 234.349† | 2526.7 | 1002.7 | 0.0115 mg/L | 0.0115 mg/L | 17:06:44 |
| 2 | Fe 238.204† | 2781.7 | 2028.7 | 0.0114 mg/L | 0.0114 mg/L | 17:06:44 |
| 2 | Mg 279.077† | 348.7 | 235.8 | -0.0050 mg/L | -0.0050 mg/L | 17:06:44 |
| 2 | Mn 257.610† | 1069.8 | -504.4 | -0.0035 mg/L | -0.0035 mg/L | 17:06:44 |
| 2 | Mo 202.031† | 55.9 | 15.1 | 0.0002 mg/L | 0.0002 mg/L | 17:07:05 |
| 2 | Ni 231.604† | 818.3 | 158.8 | 0.0001 mg/L | 0.0001 mg/L | 17:06:44 |
| 2 | P 214.914† | 1049.4 | 1010.3 | 0.9153 mg/L | 0.9153 mg/L | 17:07:05 |
| 2 | Pb 220.353† | -132.0 | -10.1 | -0.0032 mg/L | -0.0032 mg/L | 17:07:05 |

| | | | | | | |
|---|-------------|---------|-------|--------------|--------------|----------|
| 2 | Sb 206.836† | 31.0 | -3.7 | -0.0033 mg/L | -0.0033 mg/L | 17:07:05 |
| 2 | Se 196.026† | -3.4 | 1.3 | 0.0026 mg/L | 0.0026 mg/L | 17:07:05 |
| 2 | Sn 189.927† | 97.8 | 39.2 | 0.0045 mg/L | 0.0045 mg/L | 17:07:05 |
| 2 | Sr 407.771† | 81.1 | 380.6 | -0.0002 mg/L | -0.0002 mg/L | 17:06:39 |
| 2 | Ti 337.279† | -1373.7 | 161.0 | -0.0006 mg/L | -0.0006 mg/L | 17:06:44 |
| 2 | Tl 190.801† | 4.8 | 24.1 | 0.0376 mg/L | 0.0376 mg/L | 17:07:05 |
| 2 | V 292.402† | -1219.9 | -15.2 | -0.0004 mg/L | -0.0004 mg/L | 17:06:44 |
| 2 | Zn 213.857† | 925.9 | 224.4 | -0.0002 mg/L | -0.0002 mg/L | 17:07:05 |

 Mean Data: BH61418-BLKI

| Analyte | Mean Corrected Intensity | Conc. Units | Calib | Std.Dev. | Sample Conc. Units | Std.Dev. | RSD |
|-------------|--------------------------|--------------|-------|----------|--------------------|----------|---------|
| Y 371.029 | 3158884.6 | 0.972 mg/L | | 0.0009 | | | 0.10% |
| Ag 328.068† | 76.8 | 0.0005 mg/L | | 0.00006 | 0.0005 mg/L | 0.00006 | 11.51% |
| Al 237.313† | 4.4 | 0.0000 mg/L | | 0.00402 | 0.0000 mg/L | 0.00402 | >999.9% |
| As 188.979† | 3.5 | 0.0062 mg/L | | 0.00284 | 0.0062 mg/L | 0.00284 | 45.63% |
| B 182.528† | 0.3 | 0.0061 mg/L | | 0.00248 | 0.0061 mg/L | 0.00248 | 40.82% |
| Ba 233.527† | 19.8 | -0.0010 mg/L | | 0.00013 | -0.0010 mg/L | 0.00013 | 13.01% |
| Be 313.107† | 91.0 | -0.0001 mg/L | | 0.00001 | -0.0001 mg/L | 0.00001 | 11.83% |
| Ca 315.886† | 2327.2 | -0.0033 mg/L | | 0.00057 | -0.0033 mg/L | 0.00057 | 17.32% |
| Cd 228.802† | 0.4 | -0.0011 mg/L | | 0.00006 | -0.0011 mg/L | 0.00006 | 5.81% |
| Co 228.616† | -12.3 | -0.0041 mg/L | | 0.00004 | -0.0041 mg/L | 0.00004 | 0.88% |
| Cr 267.716† | 657.6 | 0.0038 mg/L | | 0.00016 | 0.0038 mg/L | 0.00016 | 4.12% |
| Cu 324.752† | 348.4 | -0.0013 mg/L | | 0.00017 | -0.0013 mg/L | 0.00017 | 13.34% |
| Fe 234.349† | 1001.1 | 0.0115 mg/L | | 0.00006 | 0.0115 mg/L | 0.00006 | 0.48% |
| Fe 238.204† | 2056.3 | 0.0117 mg/L | | 0.00041 | 0.0117 mg/L | 0.00041 | 3.53% |
| K 766.490† | 20.2 | 0.6291 mg/L | | 0.02124 | 0.6291 mg/L | 0.02124 | 3.38% |
| Li 670.784† | -17.3 | 0.0098 mg/L | | 0.00024 | 0.0098 mg/L | 0.00024 | 2.47% |
| Mg 279.077† | 259.5 | -0.0037 mg/L | | 0.00191 | -0.0037 mg/L | 0.00191 | 52.33% |
| Mn 257.610† | -517.5 | -0.0035 mg/L | | 0.00002 | -0.0035 mg/L | 0.00002 | 0.72% |
| Mo 202.031† | 21.1 | 0.0006 mg/L | | 0.00067 | 0.0006 mg/L | 0.00067 | 104.11% |
| Na 589.592 | 10084.6 | 1.473 mg/L | | 0.0061 | 1.473 mg/L | 0.0061 | 0.42% |
| Ni 231.604† | 170.4 | 0.0003 mg/L | | 0.00038 | 0.0003 mg/L | 0.00038 | 113.43% |
| P 214.914† | 1007.6 | 0.9129 mg/L | | 0.00344 | 0.9129 mg/L | 0.00344 | 0.38% |
| Pb 220.353† | -7.7 | -0.0028 mg/L | | 0.00048 | -0.0028 mg/L | 0.00048 | 17.06% |
| Sb 206.836† | -4.0 | -0.0034 mg/L | | 0.00028 | -0.0034 mg/L | 0.00028 | 8.01% |
| Se 196.026† | 2.8 | 0.0047 mg/L | | 0.00297 | 0.0047 mg/L | 0.00297 | 63.64% |
| Sn 189.927† | 36.2 | 0.0036 mg/L | | 0.00125 | 0.0036 mg/L | 0.00125 | 34.44% |
| Sr 407.771† | 428.2 | -0.0002 mg/L | | 0.00000 | -0.0002 mg/L | 0.00000 | 1.84% |
| Ti 337.279† | 137.9 | -0.0006 mg/L | | 0.00005 | -0.0006 mg/L | 0.00005 | 8.11% |
| Tl 190.801† | 23.2 | 0.0367 mg/L | | 0.00133 | 0.0367 mg/L | 0.00133 | 3.61% |
| V 292.402† | -16.8 | -0.0004 mg/L | | 0.00000 | -0.0004 mg/L | 0.00000 | 0.02% |
| Zn 213.857† | 228.6 | -0.0002 mg/L | | 0.00008 | -0.0002 mg/L | 0.00008 | 43.73% |

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Sequence No.: 4

Sample ID: BH61418-BS1

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 10

Date Collected: 8/14/2006 5:08:42 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: BH61418-BS1

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. Units | Sample Conc. Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------------------|--------------------|---------------|
| 1 | K 766.490† | 47169.1 | 49742.8 | 22.53 mg/L | 22.53 mg/L | 17:10:16 |
| 1 | Li 670.784† | 37077.6 | 38897.0 | 0.4713 mg/L | 0.4713 mg/L | 17:10:16 |
| 1 | Na 589.592 | 172250.2 | 171933.6 | 22.19 mg/L | 22.19 mg/L | 17:10:16 |
| 1 | Y 371.029 | 3107442.1 | 3107442.1 | 0.956 mg/L | | 17:10:31 |
| 1 | Ag 328.068† | 54823.3 | 59078.0 | 0.2321 mg/L | 0.2321 mg/L | 17:10:36 |
| 1 | Al 237.313† | 14787.0 | 15651.0 | 2.272 mg/L | 2.272 mg/L | 17:10:36 |
| 1 | As 188.979† | 266.7 | 274.5 | 0.4428 mg/L | 0.4428 mg/L | 17:10:57 |
| 1 | B 182.528† | 188.0 | 199.9 | 0.4314 mg/L | 0.4314 mg/L | 17:10:57 |
| 1 | Ba 233.527† | 39690.3 | 41599.8 | 0.4674 mg/L | 0.4674 mg/L | 17:10:36 |
| 1 | Be 313.107† | 171141.0 | 177949.3 | 0.0459 mg/L | 0.0459 mg/L | 17:10:31 |
| 1 | Ca 315.886† | 542480.6 | 566628.0 | 4.751 mg/L | 4.751 mg/L | 17:10:31 |
| 1 | Cd 228.802† | 8533.0 | 8775.8 | 0.2263 mg/L | 0.2263 mg/L | 17:10:36 |
| 1 | Co 228.616† | 14644.7 | 15382.8 | 0.4655 mg/L | 0.4655 mg/L | 17:10:36 |
| 1 | Cr 267.716† | 59807.3 | 60840.1 | 0.4777 mg/L | 0.4777 mg/L | 17:10:36 |
| 1 | Cu 324.752† | 105545.5 | 108236.9 | 0.4697 mg/L | 0.4697 mg/L | 17:10:31 |
| 1 | Fe 234.349† | 104241.5 | 107416.0 | 2.393 mg/L | 2.393 mg/L | 17:10:36 |

| | | | | | | |
|---|-------------|-----------|-----------|-------------|-------------|----------|
| 1 | Fe 238.204† | 218300.8 | 227457.8 | 2.400 mg/L | 2.400 mg/L | 17:10:31 |
| 1 | Mg 279.077† | 76692.1 | 80078.4 | 4.565 mg/L | 4.565 mg/L | 17:10:36 |
| 1 | Mn 257.610† | 340913.7 | 354907.4 | 0.4741 mg/L | 0.4741 mg/L | 17:10:31 |
| 1 | Mo 202.031† | 6049.5 | 6283.9 | 0.4857 mg/L | 0.4857 mg/L | 17:10:57 |
| 1 | Ni 231.604† | 20344.1 | 20592.4 | 0.4730 mg/L | 0.4730 mg/L | 17:10:36 |
| 1 | P 214.914† | 4781.4 | 4931.7 | 4.412 mg/L | 4.412 mg/L | 17:10:57 |
| 1 | Pb 220.353† | 2935.4 | 3195.3 | 0.4559 mg/L | 0.4559 mg/L | 17:10:57 |
| 1 | Sb 206.836† | 834.4 | 837.0 | 0.4437 mg/L | 0.4437 mg/L | 17:10:57 |
| 1 | Se 196.026† | 557.5 | 587.8 | 0.8571 mg/L | 0.8571 mg/L | 17:10:57 |
| 1 | Sn 189.927† | 1644.3 | 1658.1 | 0.4942 mg/L | 0.4942 mg/L | 17:10:57 |
| 1 | Sr 407.771† | 920742.6 | 963166.9 | 0.0478 mg/L | 0.0478 mg/L | 17:10:31 |
| 1 | Ti 337.279† | 323792.3 | 340180.1 | 0.4939 mg/L | 0.4939 mg/L | 17:10:31 |
| 1 | Tl 190.801† | 488.2 | 529.7 | 0.5226 mg/L | 0.5226 mg/L | 17:10:57 |
| 1 | V 292.402† | 89099.0 | 94414.5 | 0.4801 mg/L | 0.4801 mg/L | 17:10:36 |
| 1 | Zn 213.857† | 33391.2 | 34191.4 | 0.4429 mg/L | 0.4429 mg/L | 17:10:36 |
| 2 | K 766.490† | 47512.8 | 50116.2 | 22.69 mg/L | 22.69 mg/L | 17:10:21 |
| 2 | Li 670.784† | 37343.2 | 39185.7 | 0.4747 mg/L | 0.4747 mg/L | 17:10:21 |
| 2 | Na 589.592 | 173270.0 | 172953.3 | 22.32 mg/L | 22.32 mg/L | 17:10:21 |
| 2 | Y 371.029 | 3106569.7 | 3106569.7 | 0.956 mg/L | 0.956 mg/L | 17:11:04 |
| 2 | Ag 328.068† | 55339.3 | 59633.8 | 0.2343 mg/L | 0.2343 mg/L | 17:11:09 |
| 2 | Al 237.313† | 14959.8 | 15836.0 | 2.299 mg/L | 2.299 mg/L | 17:11:09 |
| 2 | As 188.979† | 267.0 | 274.9 | 0.4436 mg/L | 0.4436 mg/L | 17:11:29 |
| 2 | B 182.528† | 187.8 | 199.7 | 0.4310 mg/L | 0.4310 mg/L | 17:11:29 |
| 2 | Ba 233.527† | 40015.8 | 41951.9 | 0.4713 mg/L | 0.4713 mg/L | 17:11:09 |
| 2 | Be 313.107† | 171013.9 | 177866.6 | 0.0458 mg/L | 0.0458 mg/L | 17:11:04 |
| 2 | Ca 315.886† | 542671.7 | 566987.2 | 4.754 mg/L | 4.754 mg/L | 17:11:04 |
| 2 | Cd 228.802† | 8574.3 | 8821.5 | 0.2275 mg/L | 0.2275 mg/L | 17:11:09 |
| 2 | Co 228.616† | 14729.1 | 15475.4 | 0.4683 mg/L | 0.4683 mg/L | 17:11:09 |
| 2 | Cr 267.716† | 60364.5 | 61440.5 | 0.4825 mg/L | 0.4825 mg/L | 17:11:09 |
| 2 | Cu 324.752† | 105520.9 | 108242.2 | 0.4698 mg/L | 0.4698 mg/L | 17:11:04 |
| 2 | Fe 234.349† | 104837.0 | 108069.5 | 2.407 mg/L | 2.407 mg/L | 17:11:09 |
| 2 | Fe 238.204† | 218344.2 | 227567.3 | 2.401 mg/L | 2.401 mg/L | 17:11:04 |
| 2 | Mg 279.077† | 77343.8 | 80782.6 | 4.605 mg/L | 4.605 mg/L | 17:11:09 |
| 2 | Mn 257.610† | 340923.9 | 355018.2 | 0.4743 mg/L | 0.4743 mg/L | 17:11:04 |
| 2 | Mo 202.031† | 6045.2 | 6281.2 | 0.4855 mg/L | 0.4855 mg/L | 17:11:29 |
| 2 | Ni 231.604† | 20501.3 | 20762.9 | 0.4769 mg/L | 0.4769 mg/L | 17:11:09 |
| 2 | P 214.914† | 4748.4 | 4898.6 | 4.383 mg/L | 4.383 mg/L | 17:11:29 |
| 2 | Pb 220.353† | 2912.9 | 3172.6 | 0.4526 mg/L | 0.4526 mg/L | 17:11:29 |
| 2 | Sb 206.836† | 823.4 | 825.7 | 0.4375 mg/L | 0.4375 mg/L | 17:11:29 |
| 2 | Se 196.026† | 553.5 | 583.8 | 0.8513 mg/L | 0.8513 mg/L | 17:11:29 |
| 2 | Sn 189.927† | 1635.5 | 1649.4 | 0.4916 mg/L | 0.4916 mg/L | 17:11:29 |
| 2 | Sr 407.771† | 921126.3 | 963838.7 | 0.0479 mg/L | 0.0479 mg/L | 17:11:04 |
| 2 | Ti 337.279† | 323779.1 | 340261.3 | 0.4940 mg/L | 0.4940 mg/L | 17:11:04 |
| 2 | Tl 190.801† | 487.0 | 528.6 | 0.5215 mg/L | 0.5215 mg/L | 17:11:29 |
| 2 | V 292.402† | 90023.9 | 95408.1 | 0.4851 mg/L | 0.4851 mg/L | 17:11:09 |
| 2 | Zn 213.857† | 33656.4 | 34478.6 | 0.4467 mg/L | 0.4467 mg/L | 17:11:09 |

Mean Data: BH61418-BS1

| Analyte | Mean Corrected | | Calib | Std.Dev. | Sample | | RSD |
|-------------|----------------|-------------|-------|----------|-------------|----------|-------|
| | Intensity | Conc. Units | | | Conc. Units | Std.Dev. | |
| Y 371.029 | 3107005.9 | 0.956 mg/L | | 0.0002 | | | 0.02% |
| Ag 328.068† | 59355.9 | 0.2332 mg/L | | 0.00154 | 0.2332 mg/L | 0.00154 | 0.66% |
| Al 237.313† | 15743.5 | 2.286 mg/L | | 0.0190 | 2.286 mg/L | 0.0190 | 0.83% |
| As 188.979† | 274.7 | 0.4432 mg/L | | 0.00054 | 0.4432 mg/L | 0.00054 | 0.12% |
| B 182.528† | 199.8 | 0.4312 mg/L | | 0.00027 | 0.4312 mg/L | 0.00027 | 0.06% |
| Ba 233.527† | 41775.8 | 0.4694 mg/L | | 0.00280 | 0.4694 mg/L | 0.00280 | 0.60% |
| Be 313.107† | 177908.0 | 0.0458 mg/L | | 0.00001 | 0.0458 mg/L | 0.00001 | 0.03% |
| Ca 315.886† | 566807.6 | 4.753 mg/L | | 0.0022 | 4.753 mg/L | 0.0022 | 0.05% |
| Cd 228.802† | 8798.6 | 0.2269 mg/L | | 0.00085 | 0.2269 mg/L | 0.00085 | 0.37% |
| Co 228.616† | 15429.1 | 0.4669 mg/L | | 0.00200 | 0.4669 mg/L | 0.00200 | 0.43% |
| Cr 267.716† | 61140.3 | 0.4801 mg/L | | 0.00335 | 0.4801 mg/L | 0.00335 | 0.70% |
| Cu 324.752† | 108239.6 | 0.4698 mg/L | | 0.00002 | 0.4698 mg/L | 0.00002 | 0.00% |
| Fe 234.349† | 107742.7 | 2.400 mg/L | | 0.0103 | 2.400 mg/L | 0.0103 | 0.43% |
| Fe 238.204† | 227512.6 | 2.401 mg/L | | 0.0008 | 2.401 mg/L | 0.0008 | 0.03% |
| K 766.490† | 49929.5 | 22.61 mg/L | | 0.116 | 22.61 mg/L | 0.116 | 0.51% |
| Li 670.784† | 39041.4 | 0.4730 mg/L | | 0.00242 | 0.4730 mg/L | 0.00242 | 0.51% |
| Mg 279.077† | 80430.5 | 4.585 mg/L | | 0.0285 | 4.585 mg/L | 0.0285 | 0.62% |
| Mn 257.610† | 354962.8 | 0.4742 mg/L | | 0.00011 | 0.4742 mg/L | 0.00011 | 0.02% |
| Mo 202.031† | 6282.5 | 0.4856 mg/L | | 0.00015 | 0.4856 mg/L | 0.00015 | 0.03% |
| Na 589.592 | 172443.5 | 22.26 mg/L | | 0.092 | 22.26 mg/L | 0.092 | 0.41% |
| Ni 231.604† | 20677.6 | 0.4750 mg/L | | 0.00279 | 0.4750 mg/L | 0.00279 | 0.59% |

| | | | | | | |
|-------------|----------|-------------|---------|-------------|---------|-------|
| P 214.914† | 4915.1 | 4.398 mg/L | 0.0209 | 4.398 mg/L | 0.0209 | 0.47% |
| Pb 220.353† | 3183.9 | 0.4543 mg/L | 0.00229 | 0.4543 mg/L | 0.00229 | 0.50% |
| Sb 206.836† | 831.3 | 0.4406 mg/L | 0.00440 | 0.4406 mg/L | 0.00440 | 1.00% |
| Se 196.026† | 585.8 | 0.8542 mg/L | 0.00410 | 0.8542 mg/L | 0.00410 | 0.48% |
| Sn 189.927† | 1653.7 | 0.4929 mg/L | 0.00186 | 0.4929 mg/L | 0.00186 | 0.38% |
| Sr 407.771† | 963502.8 | 0.0478 mg/L | 0.00002 | 0.0478 mg/L | 0.00002 | 0.05% |
| Ti 337.279† | 340220.7 | 0.4940 mg/L | 0.00008 | 0.4940 mg/L | 0.00008 | 0.02% |
| Tl 190.801† | 529.1 | 0.5221 mg/L | 0.00080 | 0.5221 mg/L | 0.00080 | 0.15% |
| V 292.402† | 94911.3 | 0.4826 mg/L | 0.00352 | 0.4826 mg/L | 0.00352 | 0.73% |
| Zn 213.857† | 34335.0 | 0.4448 mg/L | 0.00265 | 0.4448 mg/L | 0.00265 | 0.60% |

Sequence No.: 5

Sample ID: BH61418-BSD1

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 11

Date Collected: 8/14/2006 5:13:07 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: BH61418-BSD1

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. Units | Sample Conc. Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------------------|--------------------|---------------|
| 1 | K 766.490† | 48072.8 | 50576.5 | 22.90 mg/L | 22.90 mg/L | 17:14:43 |
| 1 | Li 670.784† | 37769.8 | 39533.4 | 0.4788 mg/L | 0.4788 mg/L | 17:14:43 |
| 1 | Na 589.592 | 176422.2 | 176105.5 | 22.73 mg/L | 22.73 mg/L | 17:14:43 |
| 1 | Y 371.029 | 3114347.1 | 3114347.1 | 0.958 mg/L | 0.958 mg/L | 17:14:58 |
| 1 | Ag 328.068† | 56249.7 | 60439.3 | 0.2375 mg/L | 0.2375 mg/L | 17:15:04 |
| 1 | Al 237.313† | 15274.6 | 16125.4 | 2.341 mg/L | 2.341 mg/L | 17:15:04 |
| 1 | As 188.979† | 270.3 | 277.7 | 0.4480 mg/L | 0.4480 mg/L | 17:15:24 |
| 1 | B 182.528† | 194.5 | 206.3 | 0.4450 mg/L | 0.4450 mg/L | 17:15:24 |
| 1 | Ba 233.527† | 40812.1 | 42678.3 | 0.4795 mg/L | 0.4795 mg/L | 17:15:04 |
| 1 | Be 313.107† | 176893.7 | 183555.1 | 0.0473 mg/L | 0.0473 mg/L | 17:15:04 |
| 1 | Ca 315.886† | 557788.1 | 581342.6 | 4.875 mg/L | 4.875 mg/L | 17:14:58 |
| 1 | Cd 228.802† | 8849.4 | 9086.1 | 0.2344 mg/L | 0.2344 mg/L | 17:15:24 |
| 1 | Co 228.616† | 15200.1 | 15928.4 | 0.4821 mg/L | 0.4821 mg/L | 17:15:24 |
| 1 | Cr 267.716† | 61384.9 | 62347.5 | 0.4896 mg/L | 0.4896 mg/L | 17:15:04 |
| 1 | Cu 324.752† | 110094.8 | 112739.1 | 0.4894 mg/L | 0.4894 mg/L | 17:15:04 |
| 1 | Fe 234.349† | 107747.7 | 110832.8 | 2.469 mg/L | 2.469 mg/L | 17:15:04 |
| 1 | Fe 238.204† | 225661.9 | 234632.5 | 2.476 mg/L | 2.476 mg/L | 17:15:04 |
| 1 | Mg 279.077† | 78659.1 | 81953.0 | 4.672 mg/L | 4.672 mg/L | 17:15:04 |
| 1 | Mn 257.610† | 353191.1 | 366927.7 | 0.4903 mg/L | 0.4903 mg/L | 17:15:04 |
| 1 | Mo 202.031† | 6209.6 | 6437.0 | 0.4976 mg/L | 0.4976 mg/L | 17:15:24 |
| 1 | Ni 231.604† | 20833.5 | 21055.9 | 0.4837 mg/L | 0.4837 mg/L | 17:15:04 |
| 1 | P 214.914† | 4898.3 | 5042.6 | 4.511 mg/L | 4.511 mg/L | 17:15:24 |
| 1 | Pb 220.353† | 3053.5 | 3311.7 | 0.4725 mg/L | 0.4725 mg/L | 17:15:24 |
| 1 | Sb 206.836† | 852.5 | 853.9 | 0.4527 mg/L | 0.4527 mg/L | 17:15:24 |
| 1 | Se 196.026† | 572.0 | 601.6 | 0.8773 mg/L | 0.8773 mg/L | 17:15:24 |
| 1 | Sn 189.927† | 1672.6 | 1683.9 | 0.5020 mg/L | 0.5020 mg/L | 17:15:24 |
| 1 | Sr 407.771† | 948229.9 | 989713.3 | 0.0491 mg/L | 0.0491 mg/L | 17:14:58 |
| 1 | Ti 337.279† | 334556.9 | 350661.5 | 0.5091 mg/L | 0.5091 mg/L | 17:15:04 |
| 1 | Tl 190.801† | 498.0 | 538.8 | 0.5314 mg/L | 0.5314 mg/L | 17:15:24 |
| 1 | V 292.402† | 92147.4 | 97388.7 | 0.4952 mg/L | 0.4952 mg/L | 17:15:04 |
| 1 | Zn 213.857† | 34424.9 | 35192.6 | 0.4560 mg/L | 0.4560 mg/L | 17:15:04 |
| 2 | K 766.490† | 48417.8 | 50795.3 | 22.99 mg/L | 22.99 mg/L | 17:14:50 |
| 2 | Li 670.784† | 38192.3 | 39862.8 | 0.4828 mg/L | 0.4828 mg/L | 17:14:50 |
| 2 | Na 589.592 | 177793.9 | 177477.3 | 22.90 mg/L | 22.90 mg/L | 17:14:50 |
| 2 | Y 371.029 | 3123073.3 | 3123073.3 | 0.961 mg/L | 0.961 mg/L | 17:15:30 |
| 2 | Ag 328.068† | 56201.0 | 60224.5 | 0.2366 mg/L | 0.2366 mg/L | 17:15:35 |
| 2 | Al 237.313† | 15331.9 | 16140.5 | 2.343 mg/L | 2.343 mg/L | 17:15:35 |
| 2 | As 188.979† | 274.4 | 281.1 | 0.4535 mg/L | 0.4535 mg/L | 17:15:56 |
| 2 | B 182.528† | 195.3 | 206.5 | 0.4456 mg/L | 0.4456 mg/L | 17:15:56 |
| 2 | Ba 233.527† | 40704.1 | 42446.9 | 0.4769 mg/L | 0.4769 mg/L | 17:15:35 |
| 2 | Be 313.107† | 176411.7 | 182537.8 | 0.0470 mg/L | 0.0470 mg/L | 17:15:35 |
| 2 | Ca 315.886† | 559186.4 | 581171.3 | 4.874 mg/L | 4.874 mg/L | 17:15:30 |
| 2 | Cd 228.802† | 8849.7 | 9060.7 | 0.2337 mg/L | 0.2337 mg/L | 17:15:56 |
| 2 | Co 228.616† | 15190.6 | 15874.2 | 0.4805 mg/L | 0.4805 mg/L | 17:15:56 |
| 2 | Cr 267.716† | 61063.0 | 61833.6 | 0.4856 mg/L | 0.4856 mg/L | 17:15:35 |
| 2 | Cu 324.752† | 110112.7 | 112436.8 | 0.4881 mg/L | 0.4881 mg/L | 17:15:35 |
| 2 | Fe 234.349† | 107357.9 | 110113.0 | 2.453 mg/L | 2.453 mg/L | 17:15:35 |
| 2 | Fe 238.204† | 224974.3 | 233259.1 | 2.461 mg/L | 2.461 mg/L | 17:15:35 |
| 2 | Mg 279.077† | 78459.6 | 81516.1 | 4.647 mg/L | 4.647 mg/L | 17:15:35 |
| 2 | Mn 257.610† | 352406.6 | 365081.6 | 0.4878 mg/L | 0.4878 mg/L | 17:15:35 |

| | | | | | | |
|---|-------------|----------|----------|-------------|-------------|----------|
| 2 | Mo 202.031† | 6227.9 | 6437.8 | 0.4976 mg/L | 0.4976 mg/L | 17:15:56 |
| 2 | Ni 231.604† | 20771.5 | 20930.7 | 0.4808 mg/L | 0.4808 mg/L | 17:15:35 |
| 2 | P 214.914† | 4920.9 | 5051.8 | 4.519 mg/L | 4.519 mg/L | 17:15:56 |
| 2 | Pb 220.353† | 3052.4 | 3301.7 | 0.4711 mg/L | 0.4711 mg/L | 17:15:56 |
| 2 | Sb 206.836† | 856.6 | 855.7 | 0.4538 mg/L | 0.4538 mg/L | 17:15:56 |
| 2 | Se 196.026† | 564.1 | 591.8 | 0.8630 mg/L | 0.8630 mg/L | 17:15:56 |
| 2 | Sn 189.927† | 1688.9 | 1695.9 | 0.5057 mg/L | 0.5057 mg/L | 17:15:56 |
| 2 | Sr 407.771† | 949530.3 | 988301.8 | 0.0491 mg/L | 0.0491 mg/L | 17:15:30 |
| 2 | Ti 337.279† | 334019.5 | 349126.9 | 0.5069 mg/L | 0.5069 mg/L | 17:15:35 |
| 2 | Tl 190.801† | 496.1 | 535.4 | 0.5282 mg/L | 0.5282 mg/L | 17:15:56 |
| 2 | V 292.402† | 91836.5 | 96796.6 | 0.4922 mg/L | 0.4922 mg/L | 17:15:35 |
| 2 | Zn 213.857† | 34316.3 | 34979.2 | 0.4532 mg/L | 0.4532 mg/L | 17:15:35 |

Mean Data: BH61418-BSd1

| Analyte | Mean Corrected Intensity | Conc. Units | Calib | Std.Dev. | Sample Conc. Units | Std.Dev. | RSD |
|-------------|--------------------------|-------------|-------|----------|--------------------|----------|-------|
| Y 371.029 | 3118710.2 | 0.960 mg/L | | 0.0019 | | | |
| Ag 328.068† | 60331.9 | 0.2370 mg/L | | 0.00060 | 0.2370 mg/L | 0.00060 | 0.25% |
| Al 237.313† | 16133.0 | 2.342 mg/L | | 0.0016 | 2.342 mg/L | 0.0016 | 0.07% |
| As 188.979† | 279.4 | 0.4507 mg/L | | 0.00390 | 0.4507 mg/L | 0.00390 | 0.87% |
| B 182.528† | 206.4 | 0.4453 mg/L | | 0.00040 | 0.4453 mg/L | 0.00040 | 0.09% |
| Ba 233.527† | 42562.6 | 0.4782 mg/L | | 0.00184 | 0.4782 mg/L | 0.00184 | 0.39% |
| Be 313.107† | 183046.4 | 0.0472 mg/L | | 0.00019 | 0.0472 mg/L | 0.00019 | 0.40% |
| Ca 315.886† | 581256.9 | 4.875 mg/L | | 0.0010 | 4.875 mg/L | 0.0010 | 0.02% |
| Cd 228.802† | 9073.4 | 0.2340 mg/L | | 0.00049 | 0.2340 mg/L | 0.00049 | 0.21% |
| Co 228.616† | 15901.3 | 0.4813 mg/L | | 0.00117 | 0.4813 mg/L | 0.00117 | 0.24% |
| Cr 267.716† | 62090.6 | 0.4876 mg/L | | 0.00286 | 0.4876 mg/L | 0.00286 | 0.59% |
| Cu 324.752† | 112588.0 | 0.4887 mg/L | | 0.00094 | 0.4887 mg/L | 0.00094 | 0.19% |
| Fe 234.349† | 110472.9 | 2.461 mg/L | | 0.0114 | 2.461 mg/L | 0.0114 | 0.46% |
| Fe 238.204† | 233945.8 | 2.469 mg/L | | 0.0103 | 2.469 mg/L | 0.0103 | 0.42% |
| K 766.490† | 50685.9 | 22.94 mg/L | | 0.068 | 22.94 mg/L | 0.068 | 0.30% |
| Li 670.784† | 39698.1 | 0.4808 mg/L | | 0.00276 | 0.4808 mg/L | 0.00276 | 0.57% |
| Mg 279.077† | 81734.5 | 4.660 mg/L | | 0.0177 | 4.660 mg/L | 0.0177 | 0.38% |
| Mn 257.610† | 366004.6 | 0.4890 mg/L | | 0.00175 | 0.4890 mg/L | 0.00175 | 0.36% |
| Mo 202.031† | 6437.4 | 0.4976 mg/L | | 0.00005 | 0.4976 mg/L | 0.00005 | 0.01% |
| Na 589.592 | 176791.4 | 22.82 mg/L | | 0.124 | 22.82 mg/L | 0.124 | 0.54% |
| Ni 231.604† | 20993.3 | 0.4823 mg/L | | 0.00205 | 0.4823 mg/L | 0.00205 | 0.42% |
| P 214.914† | 5047.2 | 4.515 mg/L | | 0.0058 | 4.515 mg/L | 0.0058 | 0.13% |
| Pb 220.353† | 3306.7 | 0.4718 mg/L | | 0.00101 | 0.4718 mg/L | 0.00101 | 0.21% |
| Sb 206.836† | 854.8 | 0.4532 mg/L | | 0.00074 | 0.4532 mg/L | 0.00074 | 0.16% |
| Se 196.026† | 596.7 | 0.8701 mg/L | | 0.01012 | 0.8701 mg/L | 0.01012 | 1.16% |
| Sn 189.927† | 1689.9 | 0.5039 mg/L | | 0.00257 | 0.5039 mg/L | 0.00257 | 0.51% |
| Sr 407.771† | 989007.5 | 0.0491 mg/L | | 0.00005 | 0.0491 mg/L | 0.00005 | 0.10% |
| Ti 337.279† | 349894.2 | 0.5080 mg/L | | 0.00158 | 0.5080 mg/L | 0.00158 | 0.31% |
| Tl 190.801† | 537.1 | 0.5298 mg/L | | 0.00229 | 0.5298 mg/L | 0.00229 | 0.43% |
| V 292.402† | 97092.6 | 0.4937 mg/L | | 0.00209 | 0.4937 mg/L | 0.00209 | 0.42% |
| Zn 213.857† | 35085.9 | 0.4546 mg/L | | 0.00197 | 0.4546 mg/L | 0.00197 | 0.43% |

Duplicate Check: BH61418-BSd1

| Analyte | Expected Conc. | Measured Conc. | Std. Dev. | Units | Difference (%) |
|------------|----------------|----------------|-----------|-------|----------------|
| K 766.490 | 22.61 | 22.94 | 0.068 | mg/L | 1.5 |
| Li 670.784 | 0.4730 | 0.4808 | 0.003 | mg/L | 1.6 |
| Na 589.592 | 22.26 | 22.82 | 0.124 | mg/L | 2.5 |
| Y 371.029 | | | 0.000 | mg/L | Not calculated |
| Ag 328.068 | 0.2332 | 0.2370 | 0.001 | mg/L | 1.6 |
| Al 237.313 | 2.286 | 2.342 | 0.002 | mg/L | 2.4 |
| As 188.979 | 0.4432 | 0.4507 | 0.004 | mg/L | 1.7 |
| B 182.528 | 0.4312 | 0.4453 | 0.000 | mg/L | 3.2 |
| Ba 233.527 | 0.4694 | 0.4782 | 0.002 | mg/L | 1.9 |
| Be 313.107 | 0.0458 | 0.0472 | 0.000 | mg/L | 2.9 |
| Ca 315.886 | 4.753 | 4.875 | 0.001 | mg/L | 2.5 |
| Cd 228.802 | 0.2269 | 0.2340 | 0.000 | mg/L | 3.1 |
| Co 228.616 | 0.4669 | 0.4813 | 0.001 | mg/L | 3.0 |
| Cr 267.716 | 0.4801 | 0.4876 | 0.003 | mg/L | 1.5 |
| Cu 324.752 | 0.4698 | 0.4887 | 0.001 | mg/L | 4.0 |
| Fe 234.349 | 2.400 | 2.461 | 0.011 | mg/L | 2.5 |
| Fe 238.204 | 2.401 | 2.469 | 0.010 | mg/L | 2.8 |
| Mg 279.077 | 4.585 | 4.660 | 0.018 | mg/L | 1.6 |
| Mn 257.610 | 0.4742 | 0.4890 | 0.002 | mg/L | 3.1 |

| | | | | | |
|------------|--------|--------|-------|------|-----|
| Mo 202.031 | 0.4856 | 0.4976 | 0.000 | mg/L | 2.4 |
| Ni 231.604 | 0.4750 | 0.4823 | 0.002 | mg/L | 1.5 |
| P 214.914 | 4.398 | 4.515 | 0.006 | mg/L | 2.6 |
| Pb 220.353 | 0.4543 | 0.4718 | 0.001 | mg/L | 3.8 |
| Sb 206.836 | 0.4406 | 0.4532 | 0.001 | mg/L | 2.8 |
| Se 196.026 | 0.8542 | 0.8701 | 0.010 | mg/L | 1.8 |
| Sn 189.927 | 0.4929 | 0.5039 | 0.003 | mg/L | 2.2 |
| Sr 407.771 | 0.0478 | 0.0491 | 0.000 | mg/L | 2.6 |
| Ti 337.279 | 0.4940 | 0.5080 | 0.002 | mg/L | 2.8 |
| Tl 190.801 | 0.5221 | 0.5298 | 0.002 | mg/L | 1.5 |
| V 292.402 | 0.4826 | 0.4937 | 0.002 | mg/L | 2.3 |
| Zn 213.857 | 0.4448 | 0.4546 | 0.002 | mg/L | 2.2 |

Sequence No.: 6

Sample ID: BH61418-SRM1

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 12

Date Collected: 8/14/2006 5:17:33 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: BH61418-SRM1

| Repl# | Analyte | Net Intensity | Corrected Intensity | Conc. Units | Sample Conc. Units | Analysis Time |
|-------------------------------|-------------|---------------|---------------------|-------------|--------------------|---------------|
| 1 | K 766.490† | 44545.6 | 44189.2 | 20.08 mg/L | 20.08 mg/L | 17:19:10 |
| 1 | Li 670.784† | 4685.2 | 4727.1 | 0.0661 mg/L | 0.0661 mg/L | 17:19:10 |
| 1 | Na 589.592 | 71607.1 | 71290.5 | 9.309 mg/L | 9.309 mg/L | 17:19:10 |
| 1 | Y 371.029 | 3306929.2 | 3306929.2 | 1.02 mg/L | | 17:19:34 |
| 1 | Ag 328.068† | 204807.7 | 203004.6 | 0.7993 mg/L | 0.7993 mg/L | 17:19:39 |
| 1 | Al 237.313† | 364747.3 | 358613.4 | 51.90 mg/L | 51.90 mg/L | 17:19:39 |
| 1 | As 188.979† | 469.3 | 456.8 | 0.7361 mg/L | 0.7361 mg/L | 17:19:59 |
| 1 | B 182.528† | 415.7 | 411.8 | 0.8831 mg/L | 0.8831 mg/L | 17:19:59 |
| 1 | Ba 233.527† | 130789.2 | 128616.0 | 1.448 mg/L | 1.448 mg/L | 17:19:39 |
| 1 | Be 313.107† | 5350878.9 | 5257122.5 | 1.367 mg/L | 1.367 mg/L | 17:19:27 |
| 1 | Ca 315.886† | 4956308.1 | 4869739.0 | 40.99 mg/L | 40.99 mg/L | 17:19:27 |
| 1 | Cd 228.802† | 81552.2 | 79991.2 | 2.072 mg/L | 2.072 mg/L | 17:19:39 |
| 1 | Co 228.616† | 21378.7 | 21076.3 | 0.6372 mg/L | 0.6372 mg/L | 17:19:39 |
| 1 | Cr 267.716† | 72154.5 | 69200.4 | 0.5470 mg/L | 0.5470 mg/L | 17:19:39 |
| 1 | Cu 324.752† | 292521.2 | 285314.0 | 1.257 mg/L | 1.257 mg/L | 17:19:34 |
| 1 | Fe 234.349† | 3805383.9 | 3737839.0 | 83.81 mg/L | 83.81 mg/L | 17:19:34 |
| 1 | Fe 238.204† | 7561865.2 | 7429981.9 | 78.70 mg/L | 78.70 mg/L | 17:19:27 |
| 1 | Mg 279.077† | 322017.3 | 316313.9 | 18.07 mg/L | 18.07 mg/L | 17:19:39 |
| 1 | Mn 257.610† | 2134875.5 | 2096272.4 | 2.814 mg/L | 2.814 mg/L | 17:19:34 |
| 1 | Mo 202.031† | 7570.2 | 7396.6 | 0.5719 mg/L | 0.5719 mg/L | 17:19:59 |
| 1 | Ni 231.604† | 21511.6 | 20456.4 | 0.4700 mg/L | 0.4700 mg/L | 17:19:39 |
| 1 | P 214.914† | 11135.0 | 10873.6 | 9.711 mg/L | 9.711 mg/L | 17:19:59 |
| 1 | Pb 220.353† | 5009.0 | 5047.8 | 0.7263 mg/L | 0.7263 mg/L | 17:19:59 |
| 1 | Sb 206.836† | 1102.8 | 1048.1 | 0.5561 mg/L | 0.5561 mg/L | 17:19:59 |
| 1 | Se 196.026† | 538.6 | 534.1 | 0.7789 mg/L | 0.7789 mg/L | 17:19:59 |
| 1 | Sn 189.927† | 6163.0 | 5994.8 | 1.809 mg/L | 1.809 mg/L | 17:19:59 |
| 1 | Sr 407.771† | Saturated2 | Saturated2 | | | 17:19:59 |
| Saturated in preshot (code 2) | | | | | | |
| 1 | Ti 337.279† | 1121954.9 | 1104083.8 | 1.605 mg/L | 1.605 mg/L | 17:19:34 |
| 1 | Tl 190.801† | 1766.6 | 1755.1 | 1.729 mg/L | 1.729 mg/L | 17:19:59 |
| 1 | V 292.402† | 118230.6 | 117420.5 | 0.5849 mg/L | 0.5849 mg/L | 17:19:39 |
| 1 | Zn 213.857† | 77003.4 | 74941.4 | 0.9707 mg/L | 0.9707 mg/L | 17:19:39 |
| 2 | K 766.490† | 45068.0 | 45339.0 | 20.59 mg/L | 20.59 mg/L | 17:19:15 |
| 2 | Li 670.784† | 4770.7 | 4878.4 | 0.0679 mg/L | 0.0679 mg/L | 17:19:15 |
| 2 | Na 589.592 | 72450.1 | 72133.5 | 9.417 mg/L | 9.417 mg/L | 17:19:15 |
| 2 | Y 371.029 | 3260071.6 | 3260071.6 | 1.00 mg/L | | 17:20:15 |
| 2 | Ag 328.068† | 206363.0 | 207447.7 | 0.8167 mg/L | 0.8167 mg/L | 17:20:20 |
| 2 | Al 237.313† | 367839.7 | 366847.5 | 53.11 mg/L | 53.11 mg/L | 17:20:20 |
| 2 | As 188.979† | 470.0 | 464.1 | 0.7478 mg/L | 0.7478 mg/L | 17:20:40 |
| 2 | B 182.528† | 427.5 | 429.4 | 0.9206 mg/L | 0.9206 mg/L | 17:20:40 |
| 2 | Ba 233.527† | 132313.7 | 131983.0 | 1.486 mg/L | 1.486 mg/L | 17:20:20 |
| 2 | Be 313.107† | 5350158.0 | 5331980.2 | 1.386 mg/L | 1.386 mg/L | 17:20:08 |
| 2 | Ca 315.886† | 4955198.6 | 4938636.3 | 41.57 mg/L | 41.57 mg/L | 17:20:08 |
| 2 | Cd 228.802† | 82193.8 | 81782.6 | 2.118 mg/L | 2.118 mg/L | 17:20:20 |
| 2 | Co 228.616† | 21542.7 | 21541.7 | 0.6514 mg/L | 0.6514 mg/L | 17:20:20 |
| 2 | Cr 267.716† | 72668.8 | 70732.2 | 0.5590 mg/L | 0.5590 mg/L | 17:20:20 |
| 2 | Cu 324.752† | 288763.7 | 285700.2 | 1.259 mg/L | 1.259 mg/L | 17:20:15 |
| 2 | Fe 234.349† | 3746758.7 | 3733149.4 | 83.71 mg/L | 83.71 mg/L | 17:20:15 |

| | | | | | | |
|-------------------------------|-------------|------------|------------|-------------|-------------|----------|
| 2 | Fe 238.204† | 7564743.1 | 7539655.0 | 79.86 mg/L | 79.86 mg/L | 17:20:08 |
| 2 | Mg 279.077† | 325325.9 | 324160.1 | 18.51 mg/L | 18.51 mg/L | 17:20:20 |
| 2 | Mn 257.610† | 2101593.7 | 2093250.5 | 2.810 mg/L | 2.810 mg/L | 17:20:15 |
| 2 | Mo 202.031† | 7551.6 | 7485.0 | 0.5787 mg/L | 0.5787 mg/L | 17:20:40 |
| 2 | Ni 231.604† | 21728.4 | 20976.3 | 0.4821 mg/L | 0.4821 mg/L | 17:20:20 |
| 2 | P 214.914† | 11134.7 | 11030.5 | 9.851 mg/L | 9.851 mg/L | 17:20:40 |
| 2 | Pb 220.353† | 5022.5 | 5131.9 | 0.7385 mg/L | 0.7385 mg/L | 17:20:40 |
| 2 | Sb 206.836† | 1082.9 | 1043.8 | 0.5536 mg/L | 0.5536 mg/L | 17:20:40 |
| 2 | Se 196.026† | 537.9 | 540.9 | 0.7888 mg/L | 0.7888 mg/L | 17:20:40 |
| 2 | Sn 189.927† | 6163.8 | 6082.6 | 1.835 mg/L | 1.835 mg/L | 17:20:40 |
| 2 | Sr 407.771† | Saturated2 | Saturated2 | | | 17:20:40 |
| Saturated in preshot (code 2) | | | | | | |
| 2 | Ti 337.279† | 1104269.9 | 1102302.1 | 1.602 mg/L | 1.602 mg/L | 17:20:15 |
| 2 | Tl 190.801† | 1778.0 | 1791.5 | 1.763 mg/L | 1.763 mg/L | 17:20:40 |
| 2 | V 292.402† | 119340.6 | 120196.9 | 0.5990 mg/L | 0.5990 mg/L | 17:20:20 |
| 2 | Zn 213.857† | 77795.7 | 76818.8 | 0.9953 mg/L | 0.9953 mg/L | 17:20:20 |

 Mean Data: BH61418-SRML

| Analyte | Mean Corrected Intensity | Calib Conc. Units | Std.Dev. | Sample Conc. Units | Std.Dev. | RSD |
|-------------|--------------------------|-------------------|----------|--------------------|----------|-------|
| Y 371.029 | 3283500.4 | 1.01 mg/L | 0.010 | | | 1.01% |
| Ag 328.068† | 205226.1 | 0.8080 mg/L | 0.01231 | 0.8080 mg/L | 0.01231 | 1.52% |
| Al 237.313† | 362730.4 | 52.50 mg/L | 0.849 | 52.50 mg/L | 0.849 | 1.62% |
| As 188.979† | 460.4 | 0.7419 mg/L | 0.00828 | 0.7419 mg/L | 0.00828 | 1.12% |
| B 182.528† | 420.6 | 0.9018 mg/L | 0.02652 | 0.9018 mg/L | 0.02652 | 2.94% |
| Ba 233.527† | 130299.5 | 1.467 mg/L | 0.0268 | 1.467 mg/L | 0.0268 | 1.83% |
| Be 313.107† | 5294551.3 | 1.376 mg/L | 0.0138 | 1.376 mg/L | 0.0138 | 1.00% |
| Ca 315.886† | 4904187.6 | 41.28 mg/L | 0.410 | 41.28 mg/L | 0.410 | 0.99% |
| Cd 228.802† | 80886.9 | 2.095 mg/L | 0.0328 | 2.095 mg/L | 0.0328 | 1.57% |
| Co 228.616† | 21309.0 | 0.6443 mg/L | 0.01007 | 0.6443 mg/L | 0.01007 | 1.56% |
| Cr 267.716† | 69966.3 | 0.5530 mg/L | 0.00853 | 0.5530 mg/L | 0.00853 | 1.54% |
| Cu 324.752† | 285507.1 | 1.258 mg/L | 0.0012 | 1.258 mg/L | 0.0012 | 0.09% |
| Fe 234.349† | 3735494.2 | 83.76 mg/L | 0.074 | 83.76 mg/L | 0.074 | 0.09% |
| Fe 238.204† | 7484818.5 | 79.28 mg/L | 0.821 | 79.28 mg/L | 0.821 | 1.04% |
| K 766.490† | 44764.1 | 20.34 mg/L | 0.358 | 20.34 mg/L | 0.358 | 1.76% |
| Li 670.784† | 4802.7 | 0.0670 mg/L | 0.00127 | 0.0670 mg/L | 0.00127 | 1.89% |
| Mg 279.077† | 320237.0 | 18.29 mg/L | 0.317 | 18.29 mg/L | 0.317 | 1.73% |
| Mn 257.610† | 2094761.4 | 2.812 mg/L | 0.0029 | 2.812 mg/L | 0.0029 | 0.10% |
| Mo 202.031† | 7440.8 | 0.5753 mg/L | 0.00484 | 0.5753 mg/L | 0.00484 | 0.84% |
| Na 589.592 | 71712.0 | 9.363 mg/L | 0.0763 | 9.363 mg/L | 0.0763 | 0.82% |
| Ni 231.604† | 20716.3 | 0.4761 mg/L | 0.00851 | 0.4761 mg/L | 0.00851 | 1.79% |
| P 214.914† | 10952.0 | 9.781 mg/L | 0.0990 | 9.781 mg/L | 0.0990 | 1.01% |
| Pb 220.353† | 5089.9 | 0.7324 mg/L | 0.00868 | 0.7324 mg/L | 0.00868 | 1.19% |
| Sb 206.836† | 1046.0 | 0.5548 mg/L | 0.00179 | 0.5548 mg/L | 0.00179 | 0.32% |
| Se 196.026† | 537.5 | 0.7839 mg/L | 0.00706 | 0.7839 mg/L | 0.00706 | 0.90% |
| Sn 189.927† | 6038.7 | 1.822 mg/L | 0.0187 | 1.822 mg/L | 0.0187 | 1.03% |
| Sr 407.771† | Saturated2 | | | | | |
| Ti 337.279† | 1103192.9 | 1.603 mg/L | 0.0018 | 1.603 mg/L | 0.0018 | 0.11% |
| Tl 190.801† | 1773.3 | 1.746 mg/L | 0.0244 | 1.746 mg/L | 0.0244 | 1.40% |
| V 292.402† | 118808.7 | 0.5919 mg/L | 0.00993 | 0.5919 mg/L | 0.00993 | 1.68% |
| Zn 213.857† | 75880.1 | 0.9830 mg/L | 0.01738 | 0.9830 mg/L | 0.01738 | 1.77% |

=====

Sequence No.: 7

Sample ID: BH61418-SRM2

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 13

Date Collected: 8/14/2006 5:22:18 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: BH61418-SRM2

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. Units | Sample Conc. Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------------------|--------------------|---------------|
| 1 | K 766.490† | -329.2 | 63.0 | 0.6480 mg/L | 0.6480 mg/L | 17:23:53 |
| 1 | Li 670.784† | -109.4 | 5.9 | 0.0101 mg/L | 0.0101 mg/L | 17:23:53 |
| 1 | Na 589.592 | 68486.7 | 68170.0 | 8.910 mg/L | 8.910 mg/L | 17:23:53 |
| 1 | Y 371.029 | 3034710.5 | 3034710.5 | 0.934 mg/L | | 17:24:10 |
| 1 | Ag 328.068† | 729188.1 | 782573.0 | 3.069 mg/L | 3.069 mg/L | 17:24:10 |
| 1 | Al 237.313† | 26979.4 | 29077.3 | 4.215 mg/L | 4.215 mg/L | 17:24:16 |
| 1 | As 188.979† | 15.6 | 12.3 | 0.0116 mg/L | 0.0116 mg/L | 17:24:36 |
| 1 | B 182.528† | 1414.6 | 1518.0 | 3.241 mg/L | 3.241 mg/L | 17:24:36 |

| | | | | | | |
|---|-------------|-----------|-----------|-------------|-------------|----------|
| 1 | Ag 328.068† | 239917.9 | 244755.9 | 0.9665 mg/L | 0.9665 mg/L | 17:33:29 |
| 1 | Al 237.313† | 337651.9 | 342190.3 | 49.45 mg/L | 49.45 mg/L | 17:33:29 |
| 1 | As 188.979† | 97.9 | 94.8 | 0.1316 mg/L | 0.1316 mg/L | 17:33:49 |
| 1 | B 182.528† | 15.0 | 18.4 | 0.0447 mg/L | 0.0447 mg/L | 17:33:49 |
| 1 | Ba 233.527† | 128254.0 | 130000.2 | 1.453 mg/L | 1.453 mg/L | 17:33:29 |
| 1 | Be 313.107† | 25602.4 | 24910.3 | 0.0038 mg/L | 0.0038 mg/L | 17:33:24 |
| 1 | Ca 315.886† | 3770499.5 | 3818413.1 | 32.23 mg/L | 32.23 mg/L | 17:33:24 |
| 1 | Cd 228.802† | 1725.8 | 1600.4 | 0.0400 mg/L | 0.0400 mg/L | 17:33:49 |
| 1 | Co 228.616† | 3394.2 | 3506.0 | 0.0968 mg/L | 0.0968 mg/L | 17:33:49 |
| 1 | Cr 267.716† | 78135.7 | 77439.0 | 0.6090 mg/L | 0.6090 mg/L | 17:33:29 |
| 1 | Cu 324.752† | 6669971.7 | 6753783.0 | 29.46 mg/L | 29.46 mg/L | 17:33:14 |
| 1 | Fe 234.349† | 4424662.8 | 4480083.9 | 100.4 mg/L | 100.4 mg/L | 17:33:24 |
| 1 | Fe 238.204† | 8892891.6 | 9006653.9 | 95.41 mg/L | 95.41 mg/L | 17:33:24 |
| 1 | Mg 279.077† | 267587.4 | 270912.9 | 15.46 mg/L | 15.46 mg/L | 17:33:29 |
| 1 | Mn 257.610† | 1830221.7 | 1852201.6 | 2.488 mg/L | 2.488 mg/L | 17:33:24 |
| 1 | Mo 202.031† | 888.5 | 857.6 | 0.0654 mg/L | 0.0654 mg/L | 17:33:49 |
| 1 | Ni 231.604† | 226681.8 | 228920.3 | 5.288 mg/L | 5.288 mg/L | 17:33:29 |
| 1 | P 214.914† | 15698.9 | 15832.8 | 14.13 mg/L | 14.13 mg/L | 17:33:29 |
| 1 | Pb 220.353† | 45503.2 | 46215.2 | 6.592 mg/L | 6.592 mg/L | 17:33:29 |
| 1 | Sb 206.836† | -0.2 | -35.8 | 0.0242 mg/L | 0.0242 mg/L | 17:33:49 |
| 1 | Se 196.026† | 9.1 | 14.0 | 0.0211 mg/L | 0.0211 mg/L | 17:33:49 |
| 1 | Sn 189.927† | 5330.3 | 5337.6 | 1.612 mg/L | 1.612 mg/L | 17:33:49 |
| 1 | Sr 407.771† | 7550645.9 | 7648240.4 | 0.3812 mg/L | 0.3812 mg/L | 17:33:14 |
| 1 | Ti 337.279† | 1761072.2 | 1785338.4 | 2.595 mg/L | 2.595 mg/L | 17:33:24 |
| 1 | Tl 190.801† | 34.6 | 54.2 | 0.0417 mg/L | 0.0417 mg/L | 17:33:49 |
| 1 | V 292.402† | 2963263.3 | 3002686.7 | 15.04 mg/L | 15.04 mg/L | 17:33:24 |
| 1 | Zn 213.857† | 353341.9 | 357167.6 | 4.667 mg/L | 4.667 mg/L | 17:33:29 |
| 2 | K 766.490† | 11879.1 | 12344.1 | 6.057 mg/L | 6.057 mg/L | 17:32:59 |
| 2 | Li 670.784† | 7127.8 | 7280.5 | 0.0964 mg/L | 0.0964 mg/L | 17:32:59 |
| 2 | Na 589.592 | 45928.6 | 45612.0 | 6.022 mg/L | 6.022 mg/L | 17:32:59 |
| 2 | Y 371.029 | 3236163.2 | 3236163.2 | 0.996 mg/L | | 17:34:11 |
| 2 | Ag 328.068† | 237941.2 | 240676.8 | 0.9505 mg/L | 0.9505 mg/L | 17:34:16 |
| 2 | Al 237.313† | 333825.3 | 335400.6 | 48.46 mg/L | 48.46 mg/L | 17:34:16 |
| 2 | As 188.979† | 96.0 | 92.0 | 0.1271 mg/L | 0.1271 mg/L | 17:34:36 |
| 2 | B 182.528† | 16.4 | 19.8 | 0.0475 mg/L | 0.0475 mg/L | 17:34:36 |
| 2 | Ba 233.527† | 126814.5 | 127435.3 | 1.424 mg/L | 1.424 mg/L | 17:34:16 |
| 2 | Be 313.107† | 25735.2 | 24820.2 | 0.0038 mg/L | 0.0038 mg/L | 17:34:11 |
| 2 | Ca 315.886† | 3794376.9 | 3809479.4 | 32.15 mg/L | 32.15 mg/L | 17:34:11 |
| 2 | Cd 228.802† | 1713.4 | 1572.9 | 0.0393 mg/L | 0.0393 mg/L | 17:34:36 |
| 2 | Co 228.616† | 3363.1 | 3445.1 | 0.0950 mg/L | 0.0950 mg/L | 17:34:36 |
| 2 | Cr 267.716† | 77294.5 | 75912.3 | 0.5970 mg/L | 0.5970 mg/L | 17:34:16 |
| 2 | Cu 324.752† | 6648921.2 | 6674426.9 | 29.11 mg/L | 29.11 mg/L | 17:34:01 |
| 2 | Fe 234.349† | 4453085.6 | 4470004.7 | 100.2 mg/L | 100.2 mg/L | 17:34:11 |
| 2 | Fe 238.204† | 8945012.3 | 8981370.8 | 95.15 mg/L | 95.15 mg/L | 17:34:11 |
| 2 | Mg 279.077† | 264266.1 | 265242.2 | 15.14 mg/L | 15.14 mg/L | 17:34:16 |
| 2 | Mn 257.610† | 1843501.3 | 1849561.5 | 2.485 mg/L | 2.485 mg/L | 17:34:11 |
| 2 | Mo 202.031† | 877.6 | 838.9 | 0.0640 mg/L | 0.0640 mg/L | 17:34:36 |
| 2 | Ni 231.604† | 223909.1 | 224157.6 | 5.178 mg/L | 5.178 mg/L | 17:34:16 |
| 2 | P 214.914† | 15487.7 | 15483.6 | 13.82 mg/L | 13.82 mg/L | 17:34:16 |
| 2 | Pb 220.353† | 44960.6 | 45273.1 | 6.458 mg/L | 6.458 mg/L | 17:34:16 |
| 2 | Sb 206.836† | -6.8 | -42.4 | 0.0208 mg/L | 0.0208 mg/L | 17:34:36 |
| 2 | Se 196.026† | 0.7 | 5.5 | 0.0087 mg/L | 0.0087 mg/L | 17:34:36 |
| 2 | Sn 189.927† | 5325.7 | 5286.5 | 1.597 mg/L | 1.597 mg/L | 17:34:36 |
| 2 | Sr 407.771† | 7530583.9 | 7562190.1 | 0.3769 mg/L | 0.3769 mg/L | 17:34:01 |
| 2 | Ti 337.279† | 1776456.8 | 1785415.7 | 2.595 mg/L | 2.595 mg/L | 17:34:11 |
| 2 | Tl 190.801† | 37.7 | 57.1 | 0.0444 mg/L | 0.0444 mg/L | 17:34:36 |
| 2 | V 292.402† | 2985724.9 | 2999377.2 | 15.03 mg/L | 15.03 mg/L | 17:34:11 |
| 2 | Zn 213.857† | 349088.4 | 349812.2 | 4.572 mg/L | 4.572 mg/L | 17:34:16 |

 Mean Data: 0608248-01

| Analyte | Mean Corrected Intensity | Conc. | Calib Units | Std.Dev. | Sample Conc. | Units | Std.Dev. | RSD |
|-------------|--------------------------|--------|-------------|----------|--------------|-------|----------|-------|
| Y 371.029 | 3222219.7 | 0.992 | mg/L | 0.0061 | | | | |
| Ag 328.068† | 242716.3 | 0.9585 | mg/L | 0.01131 | 0.9585 | mg/L | 0.01131 | 0.61% |
| Al 237.313† | 338795.4 | 48.95 | mg/L | 0.699 | 48.95 | mg/L | 0.699 | 1.18% |
| As 188.979† | 93.4 | 0.1293 | mg/L | 0.00315 | 0.1293 | mg/L | 0.00315 | 1.43% |
| B 182.528† | 19.1 | 0.0461 | mg/L | 0.00202 | 0.0461 | mg/L | 0.00202 | 2.44% |
| Ba 233.527† | 128717.7 | 1.438 | mg/L | 0.0204 | 1.438 | mg/L | 0.0204 | 4.38% |
| Be 313.107† | 24865.3 | 0.0038 | mg/L | 0.00002 | 0.0038 | mg/L | 0.00002 | 1.42% |
| Ca 315.886† | 3813946.3 | 32.19 | mg/L | 0.053 | 32.19 | mg/L | 0.053 | 0.50% |
| Cd 228.802† | 1586.7 | 0.0396 | mg/L | 0.00051 | 0.0396 | mg/L | 0.00051 | 0.17% |
| | | | | | | | | 1.29% |

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|-------------|-----------|-------------|---------|-------------|---------|--------|
| Co 228.616† | 3475.6 | 0.0959 mg/L | 0.00130 | 0.0959 mg/L | 0.00130 | 1.35% |
| Cr 267.716† | 76675.6 | 0.6030 mg/L | 0.00851 | 0.6030 mg/L | 0.00851 | 1.41% |
| Cu 324.752† | 6714105.0 | 29.28 mg/L | 0.245 | 29.28 mg/L | 0.245 | 0.84% |
| Fe 234.349† | 4475044.3 | 100.3 mg/L | 0.16 | 100.3 mg/L | 0.16 | 0.16% |
| Fe 238.204† | 8994012.4 | 95.28 mg/L | 0.189 | 95.28 mg/L | 0.189 | 0.20% |
| K 766.490† | 12283.9 | 6.031 mg/L | 0.0374 | 6.031 mg/L | 0.0374 | 0.62% |
| Li 670.784† | 7283.7 | 0.0964 mg/L | 0.00005 | 0.0964 mg/L | 0.00005 | 0.06% |
| Mg 279.077† | 268077.5 | 15.30 mg/L | 0.229 | 15.30 mg/L | 0.229 | 1.50% |
| Mn 257.610† | 1850881.6 | 2.487 mg/L | 0.0025 | 2.487 mg/L | 0.0025 | 0.10% |
| Mo 202.031† | 848.2 | 0.0647 mg/L | 0.00102 | 0.0647 mg/L | 0.00102 | 1.58% |
| Na 589.592 | 45295.0 | 5.981 mg/L | 0.0574 | 5.981 mg/L | 0.0574 | 0.96% |
| Ni 231.604† | 226538.9 | 5.233 mg/L | 0.0779 | 5.233 mg/L | 0.0779 | 1.49% |
| P 214.914† | 15658.2 | 13.98 mg/L | 0.220 | 13.98 mg/L | 0.220 | 1.58% |
| Pb 220.353† | 45744.1 | 6.525 mg/L | 0.0952 | 6.525 mg/L | 0.0952 | 1.46% |
| Sb 206.836† | -39.1 | 0.0225 mg/L | 0.00241 | 0.0225 mg/L | 0.00241 | 10.72% |
| Se 196.026† | 9.8 | 0.0149 mg/L | 0.00875 | 0.0149 mg/L | 0.00875 | 58.85% |
| Sn 189.927† | 5312.0 | 1.604 mg/L | 0.0109 | 1.604 mg/L | 0.0109 | 0.68% |
| Sr 407.771† | 7605215.3 | 0.3790 mg/L | 0.00303 | 0.3790 mg/L | 0.00303 | 0.80% |
| Ti 337.279† | 1785377.0 | 2.595 mg/L | 0.0001 | 2.595 mg/L | 0.0001 | 0.00% |
| Tl 190.801† | 55.6 | 0.0430 mg/L | 0.00191 | 0.0430 mg/L | 0.00191 | 4.43% |
| V 292.402† | 3001031.9 | 15.04 mg/L | 0.012 | 15.04 mg/L | 0.012 | 0.08% |
| Zn 213.857† | 353489.9 | 4.619 mg/L | 0.0677 | 4.619 mg/L | 0.0677 | 1.47% |

Sequence No.: 10

Sample ID: 0608248-02

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 16

Date Collected: 8/14/2006 5:36:15 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: 0608248-02

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. Units | Sample Conc. Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------------------|--------------------|---------------|
| 1 | K 766.490† | 14525.2 | 15331.6 | 7.373 mg/L | 7.373 mg/L | 17:37:54 |
| 1 | Li 670.784† | 8596.5 | 8950.8 | 0.1162 mg/L | 0.1162 mg/L | 17:37:54 |
| 1 | Na 589.592 | 43312.6 | 42996.0 | 5.687 mg/L | 5.687 mg/L | 17:37:54 |
| 1 | Y 371.029 | 3164464.1 | 3164464.1 | 0.974 mg/L | | 17:38:20 |
| 1 | Ag 328.068† | 154767.1 | 160678.1 | 0.6379 mg/L | 0.6379 mg/L | 17:38:25 |
| 1 | Al 237.313† | 545359.0 | 560221.6 | 80.78 mg/L | 80.78 mg/L | 17:38:20 |
| 1 | As 188.979† | 70.4 | 67.9 | 0.1061 mg/L | 0.1061 mg/L | 17:38:45 |
| 1 | B 182.528† | 21.7 | 25.5 | 0.0598 mg/L | 0.0598 mg/L | 17:38:45 |
| 1 | Ba 233.527† | 84205.7 | 86565.2 | 0.9737 mg/L | 0.9737 mg/L | 17:38:25 |
| 1 | Be 313.107† | 20181.3 | 19702.4 | 0.0029 mg/L | 0.0029 mg/L | 17:38:25 |
| 1 | Ca 315.886† | 12067615.9 | 12391674.7 | 104.3 mg/L | 104.3 mg/L | 17:38:13 |
| 1 | Cd 228.802† | 1154.1 | 1037.6 | 0.0269 mg/L | 0.0269 mg/L | 17:38:45 |
| 1 | Co 228.616† | 1816.7 | 1933.6 | 0.0470 mg/L | 0.0470 mg/L | 17:38:45 |
| 1 | Cr 267.716† | 58238.2 | 58101.8 | 0.4665 mg/L | 0.4665 mg/L | 17:38:25 |
| 1 | Cu 324.752† | 3047938.0 | 3127818.5 | 13.67 mg/L | 13.67 mg/L | 17:38:13 |
| 1 | Fe 234.349† | 8730816.2 | 8964162.0 | 201.0 mg/L | 201.0 mg/L | 17:38:13 |
| 1 | Fe 238.204† | 16499460.1 | 16942618.9 | 179.5 mg/L | 179.5 mg/L | 17:38:13 |
| 1 | Mg 279.077† | 427746.9 | 439134.7 | 25.05 mg/L | 25.05 mg/L | 17:38:20 |
| 1 | Mn 257.610† | 2190223.9 | 2247557.2 | 3.017 mg/L | 3.017 mg/L | 17:38:20 |
| 1 | Mo 202.031† | 315.4 | 281.5 | 0.0208 mg/L | 0.0208 mg/L | 17:38:45 |
| 1 | Ni 231.604† | 17921.9 | 17721.7 | 0.4061 mg/L | 0.4061 mg/L | 17:38:25 |
| 1 | P 214.914† | 10230.1 | 10436.9 | 9.322 mg/L | 9.322 mg/L | 17:38:25 |
| 1 | Pb 220.353† | 35532.4 | 36614.1 | 5.230 mg/L | 5.230 mg/L | 17:38:25 |
| 1 | Sb 206.836† | 33.2 | -1.5 | -0.0142 mg/L | -0.0142 mg/L | 17:38:45 |
| 1 | Se 196.026† | 7.3 | 12.2 | 0.0185 mg/L | 0.0185 mg/L | 17:38:45 |
| 1 | Sn 189.927† | 2890.0 | 2906.3 | 0.8829 mg/L | 0.8829 mg/L | 17:38:45 |
| 1 | Sr 407.771† | 3050301.4 | 3132680.4 | 0.1560 mg/L | 0.1560 mg/L | 17:38:13 |
| 1 | Ti 337.279† | 2624229.0 | 2696418.5 | 3.920 mg/L | 3.920 mg/L | 17:38:20 |
| 1 | Tl 190.801† | -9.9 | 9.0 | 0.0662 mg/L | 0.0662 mg/L | 17:38:45 |
| 1 | V 292.402† | 70166.9 | 73293.9 | 0.3361 mg/L | 0.3361 mg/L | 17:38:25 |
| 1 | Zn 213.857† | 666758.0 | 683972.5 | 8.948 mg/L | 8.948 mg/L | 17:38:20 |
| 2 | K 766.490† | 14390.2 | 15017.5 | 7.234 mg/L | 7.234 mg/L | 17:37:59 |
| 2 | Li 670.784† | 8619.1 | 8868.9 | 0.1152 mg/L | 0.1152 mg/L | 17:37:59 |
| 2 | Na 589.592 | 43173.8 | 42857.1 | 5.669 mg/L | 5.669 mg/L | 17:37:59 |
| 2 | Y 371.029 | 3202511.0 | 3202511.0 | 0.986 mg/L | | 17:39:02 |
| 2 | Ag 328.068† | 153866.2 | 157875.8 | 0.6268 mg/L | 0.6268 mg/L | 17:39:08 |
| 2 | Al 237.313† | 552262.0 | 560572.8 | 80.83 mg/L | 80.83 mg/L | 17:39:02 |
| 2 | As 188.979† | 70.5 | 67.2 | 0.1050 mg/L | 0.1050 mg/L | 17:39:28 |

| | | | | | | | |
|---|----|----------|------------|------------|--------------|--------------|----------|
| 2 | B | 182.528† | 20.8 | 24.3 | 0.0573 mg/L | 0.0573 mg/L | 17:39:28 |
| 2 | Ba | 233.527† | 83558.3 | 84880.9 | 0.9548 mg/L | 0.9548 mg/L | 17:39:08 |
| 2 | Be | 313.107† | 20041.5 | 19314.4 | 0.0028 mg/L | 0.0028 mg/L | 17:39:08 |
| 2 | Ca | 315.886† | 12119861.3 | 12297463.4 | 103.5 mg/L | 103.5 mg/L | 17:38:55 |
| 2 | Cd | 228.802† | 1177.2 | 1046.9 | 0.0272 mg/L | 0.0272 mg/L | 17:39:28 |
| 2 | Co | 228.616† | 1871.0 | 1966.6 | 0.0480 mg/L | 0.0480 mg/L | 17:39:28 |
| 2 | Cr | 267.716† | 57763.4 | 56909.5 | 0.4571 mg/L | 0.4571 mg/L | 17:39:08 |
| 2 | Cu | 324.752† | 3075127.8 | 3118223.3 | 13.63 mg/L | 13.63 mg/L | 17:38:55 |
| 2 | Fe | 234.349† | 8765883.8 | 8893229.1 | 199.4 mg/L | 199.4 mg/L | 17:38:55 |
| 2 | Fe | 238.204† | 16550283.7 | 16792896.2 | 177.9 mg/L | 177.9 mg/L | 17:38:55 |
| 2 | Mg | 279.077† | 432913.7 | 439158.9 | 25.05 mg/L | 25.05 mg/L | 17:39:02 |
| 2 | Mn | 257.610† | 2217203.0 | 2248212.4 | 3.018 mg/L | 3.018 mg/L | 17:39:02 |
| 2 | Mo | 202.031† | 314.6 | 276.9 | 0.0204 mg/L | 0.0204 mg/L | 17:39:28 |
| 2 | Ni | 231.604† | 17751.7 | 17330.3 | 0.3971 mg/L | 0.3971 mg/L | 17:39:08 |
| 2 | P | 214.914† | 10102.4 | 10182.6 | 9.095 mg/L | 9.095 mg/L | 17:39:08 |
| 2 | Pb | 220.353† | 35244.8 | 35888.8 | 5.126 mg/L | 5.126 mg/L | 17:39:08 |
| 2 | Sb | 206.836† | 31.5 | -3.7 | -0.0152 mg/L | -0.0152 mg/L | 17:39:28 |
| 2 | Se | 196.026† | 2.1 | 6.9 | 0.0107 mg/L | 0.0107 mg/L | 17:39:28 |
| 2 | Sn | 189.927† | 2941.5 | 2923.4 | 0.8879 mg/L | 0.8879 mg/L | 17:39:28 |
| 2 | Sr | 407.771† | 3073421.2 | 3118926.5 | 0.1553 mg/L | 0.1553 mg/L | 17:38:55 |
| 2 | Ti | 337.279† | 2656440.9 | 2697088.6 | 3.921 mg/L | 3.921 mg/L | 17:39:02 |
| 2 | Tl | 190.801† | -15.5 | 3.4 | 0.0610 mg/L | 0.0610 mg/L | 17:39:28 |
| 2 | V | 292.402† | 69798.4 | 72064.0 | 0.3302 mg/L | 0.3302 mg/L | 17:39:08 |
| 2 | Zn | 213.857† | 675627.3 | 684837.8 | 8.960 mg/L | 8.960 mg/L | 17:39:02 |

Mean Data: 0608248-02

| Analyte | Mean Corrected Intensity | Conc. Units | Calib | Std.Dev. | Sample Conc. Units | Std.Dev. | RSD |
|-------------|--------------------------|--------------|-------|----------|--------------------|----------|--------|
| Y 371.029 | 3183487.6 | 0.980 mg/L | | 0.0083 | | | 0.85% |
| Ag 328.068† | 159277.0 | 0.6323 mg/L | | 0.00781 | 0.6323 mg/L | 0.00781 | 1.24% |
| Al 237.313† | 560397.2 | 80.81 mg/L | | 0.041 | 80.81 mg/L | 0.041 | 0.05% |
| As 188.979† | 67.5 | 0.1056 mg/L | | 0.00079 | 0.1056 mg/L | 0.00079 | 0.75% |
| B 182.528† | 24.9 | 0.0585 mg/L | | 0.00174 | 0.0585 mg/L | 0.00174 | 2.98% |
| Ba 233.527† | 85723.0 | 0.9643 mg/L | | 0.01341 | 0.9643 mg/L | 0.01341 | 1.39% |
| Be 313.107† | 19508.4 | 0.0029 mg/L | | 0.00008 | 0.0029 mg/L | 0.00008 | 2.78% |
| Ca 315.886† | 12344569.0 | 103.9 mg/L | | 0.56 | 103.9 mg/L | 0.56 | 0.54% |
| Cd 228.802† | 1042.2 | 0.0271 mg/L | | 0.00017 | 0.0271 mg/L | 0.00017 | 0.63% |
| Co 228.616† | 1950.1 | 0.0475 mg/L | | 0.00071 | 0.0475 mg/L | 0.00071 | 1.50% |
| Cr 267.716† | 57505.6 | 0.4618 mg/L | | 0.00671 | 0.4618 mg/L | 0.00671 | 1.45% |
| Cu 324.752† | 3123020.9 | 13.65 mg/L | | 0.030 | 13.65 mg/L | 0.030 | 0.22% |
| Fe 234.349† | 8928695.5 | 200.2 mg/L | | 1.12 | 200.2 mg/L | 1.12 | 0.56% |
| Fe 238.204† | 16867757.6 | 178.7 mg/L | | 1.12 | 178.7 mg/L | 1.12 | 0.63% |
| K 766.490† | 15174.5 | 7.304 mg/L | | 0.0978 | 7.304 mg/L | 0.0978 | 1.34% |
| Li 670.784† | 8909.9 | 0.1157 mg/L | | 0.00069 | 0.1157 mg/L | 0.00069 | 0.59% |
| Mg 279.077† | 439146.8 | 25.05 mg/L | | 0.001 | 25.05 mg/L | 0.001 | 0.01% |
| Mn 257.610† | 2247884.8 | 3.017 mg/L | | 0.0006 | 3.017 mg/L | 0.0006 | 0.02% |
| Mo 202.031† | 279.2 | 0.0206 mg/L | | 0.00025 | 0.0206 mg/L | 0.00025 | 1.23% |
| Na 589.592 | 42926.6 | 5.678 mg/L | | 0.0126 | 5.678 mg/L | 0.0126 | 0.22% |
| Ni 231.604† | 17526.0 | 0.4016 mg/L | | 0.00640 | 0.4016 mg/L | 0.00640 | 1.59% |
| P 214.914† | 10309.8 | 9.208 mg/L | | 0.1604 | 9.208 mg/L | 0.1604 | 1.74% |
| Pb 220.353† | 36251.5 | 5.178 mg/L | | 0.0732 | 5.178 mg/L | 0.0732 | 1.41% |
| Sb 206.836† | -2.6 | -0.0147 mg/L | | 0.00070 | -0.0147 mg/L | 0.00070 | 4.80% |
| Se 196.026† | 9.6 | 0.0146 mg/L | | 0.00553 | 0.0146 mg/L | 0.00553 | 37.95% |
| Sn 189.927† | 2914.8 | 0.8854 mg/L | | 0.00360 | 0.8854 mg/L | 0.00360 | 0.41% |
| Sr 407.771† | 3125803.4 | 0.1557 mg/L | | 0.00048 | 0.1557 mg/L | 0.00048 | 0.31% |
| Ti 337.279† | 2696753.5 | 3.921 mg/L | | 0.0007 | 3.921 mg/L | 0.0007 | 0.02% |
| Tl 190.801† | 6.2 | 0.0636 mg/L | | 0.00371 | 0.0636 mg/L | 0.00371 | 5.83% |
| V 292.402† | 72679.0 | 0.3332 mg/L | | 0.00422 | 0.3332 mg/L | 0.00422 | 1.27% |
| Zn 213.857† | 684405.1 | 8.954 mg/L | | 0.0082 | 8.954 mg/L | 0.0082 | 0.09% |

Sequence No.: 11
 Sample ID: 0608248-03
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 17
 Date Collected: 8/14/2006 5:41:06 PM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Replicate Data: 0608248-03

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. Units | Sample Conc. Units | Analysis Time |
|-------|---------|---------------|---------------------|--------------------|--------------------|---------------|
|-------|---------|---------------|---------------------|--------------------|--------------------|---------------|

| | | | | | | |
|---|-------------|-----------|-----------|--------------|--------------|----------|
| 1 | K 766.490† | 7202.6 | 4970.3 | 2.809 mg/L | 2.809 mg/L | 17:42:44 |
| 1 | Li 670.784† | 2248.9 | 1545.2 | 0.0283 mg/L | 0.0283 mg/L | 17:42:44 |
| 1 | Na 589.592 | 34013.6 | 33697.0 | 4.496 mg/L | 4.496 mg/L | 17:42:44 |
| 1 | Y 371.029 | 5138742.6 | 5138742.6 | 1.58 mg/L | 1.58 mg/L | 17:43:10 |
| 1 | Ag 328.068† | 171289.6 | 110065.8 | 0.4343 mg/L | 0.4343 mg/L | 17:43:10 |
| 1 | Al 237.313† | 217439.9 | 137691.2 | 19.76 mg/L | 19.76 mg/L | 17:43:10 |
| 1 | As 188.979† | 25.3 | 11.6 | 0.0183 mg/L | 0.0183 mg/L | 17:43:35 |
| 1 | B 182.528† | 21.1 | 16.6 | 0.0408 mg/L | 0.0408 mg/L | 17:43:35 |
| 1 | Ba 233.527† | 164249.0 | 103960.6 | 1.170 mg/L | 1.170 mg/L | 17:43:10 |
| 1 | Be 313.107† | 8944.9 | 4634.5 | 0.0009 mg/L | 0.0009 mg/L | 17:43:15 |
| 1 | Ca 315.886† | 1992119.9 | 1259096.0 | 10.58 mg/L | 10.58 mg/L | 17:43:10 |
| 1 | Cd 228.802† | 915.0 | 431.0 | 0.0106 mg/L | 0.0106 mg/L | 17:43:35 |
| 1 | Co 228.616† | 876.2 | 622.2 | 0.0131 mg/L | 0.0131 mg/L | 17:43:35 |
| 1 | Cr 267.716† | 200631.1 | 125170.7 | 0.9888 mg/L | 0.9888 mg/L | 17:43:10 |
| 1 | Cu 324.752† | 6805399.1 | 4301433.9 | 18.76 mg/L | 18.76 mg/L | 17:43:02 |
| 1 | Fe 234.349† | 4948291.7 | 3127586.3 | 70.13 mg/L | 70.13 mg/L | 17:43:02 |
| 1 | Fe 238.204† | 9871002.8 | 6241354.9 | 66.10 mg/L | 66.10 mg/L | 17:43:02 |
| 1 | Mg 279.077† | 138706.4 | 87592.0 | 4.972 mg/L | 4.972 mg/L | 17:43:15 |
| 1 | Mn 257.610† | 983174.9 | 620132.1 | 0.8304 mg/L | 0.8304 mg/L | 17:43:10 |
| 1 | Mo 202.031† | 386.4 | 202.0 | 0.0146 mg/L | 0.0146 mg/L | 17:43:15 |
| 1 | Ni 231.604† | 16469.7 | 9732.6 | 0.2214 mg/L | 0.2214 mg/L | 17:43:15 |
| 1 | P 214.914† | 9418.1 | 5887.3 | 5.265 mg/L | 5.265 mg/L | 17:43:15 |
| 1 | Pb 220.353† | 49062.7 | 31151.7 | 4.441 mg/L | 4.441 mg/L | 17:43:15 |
| 1 | Sb 206.836† | 75.8 | 12.3 | -0.0151 mg/L | -0.0151 mg/L | 17:43:35 |
| 1 | Se 196.026† | -0.9 | 4.2 | 0.0068 mg/L | 0.0068 mg/L | 17:43:35 |
| 1 | Sn 189.927† | 6392.2 | 3980.8 | 1.199 mg/L | 1.199 mg/L | 17:43:15 |
| 1 | Sr 407.771† | 2145667.2 | 1357165.8 | 0.0675 mg/L | 0.0675 mg/L | 17:43:02 |
| 1 | Ti 337.279† | 1096505.1 | 694976.7 | 1.010 mg/L | 1.010 mg/L | 17:43:10 |
| 1 | Tl 190.801† | -15.6 | 9.3 | 0.0355 mg/L | 0.0355 mg/L | 17:43:35 |
| 1 | V 292.402† | 27464.1 | 18606.6 | 0.0821 mg/L | 0.0821 mg/L | 17:43:15 |
| 1 | Zn 213.857† | 1445827.6 | 913579.8 | 11.97 mg/L | 11.97 mg/L | 17:43:10 |
| 2 | K 766.490† | 7381.2 | 5064.3 | 2.851 mg/L | 2.851 mg/L | 17:42:50 |
| 2 | Li 670.784† | 2316.3 | 1581.8 | 0.0288 mg/L | 0.0288 mg/L | 17:42:50 |
| 2 | Na 589.592 | 35052.2 | 34735.6 | 4.629 mg/L | 4.629 mg/L | 17:42:50 |
| 2 | Y 371.029 | 5159755.5 | 5159755.5 | 1.59 mg/L | 1.59 mg/L | 17:43:53 |
| 2 | Ag 328.068† | 169543.0 | 108524.6 | 0.4282 mg/L | 0.4282 mg/L | 17:43:53 |
| 2 | Al 237.313† | 214892.5 | 135526.8 | 19.45 mg/L | 19.45 mg/L | 17:43:53 |
| 2 | As 188.979† | 28.0 | 13.2 | 0.0210 mg/L | 0.0210 mg/L | 17:44:18 |
| 2 | B 182.528† | 20.9 | 16.5 | 0.0405 mg/L | 0.0405 mg/L | 17:44:18 |
| 2 | Ba 233.527† | 162532.8 | 102456.8 | 1.153 mg/L | 1.153 mg/L | 17:43:53 |
| 2 | Be 313.107† | 8786.9 | 4512.0 | 0.0009 mg/L | 0.0009 mg/L | 17:43:58 |
| 2 | Ca 315.886† | 1969465.7 | 1239698.0 | 10.42 mg/L | 10.42 mg/L | 17:43:53 |
| 2 | Cd 228.802† | 890.8 | 413.4 | 0.0101 mg/L | 0.0101 mg/L | 17:44:18 |
| 2 | Co 228.616† | 862.7 | 611.4 | 0.0128 mg/L | 0.0128 mg/L | 17:44:18 |
| 2 | Cr 267.716† | 198335.4 | 123208.2 | 0.9733 mg/L | 0.9733 mg/L | 17:43:53 |
| 2 | Cu 324.752† | 6754979.7 | 4252153.6 | 18.55 mg/L | 18.55 mg/L | 17:43:45 |
| 2 | Fe 234.349† | 4896246.7 | 3082064.8 | 69.11 mg/L | 69.11 mg/L | 17:43:45 |
| 2 | Fe 238.204† | 9769763.0 | 6152172.9 | 65.16 mg/L | 65.16 mg/L | 17:43:45 |
| 2 | Mg 279.077† | 134366.8 | 84501.7 | 4.795 mg/L | 4.795 mg/L | 17:43:58 |
| 2 | Mn 257.610† | 972954.0 | 611162.9 | 0.8183 mg/L | 0.8183 mg/L | 17:43:53 |
| 2 | Mo 202.031† | 384.2 | 199.6 | 0.0145 mg/L | 0.0145 mg/L | 17:43:58 |
| 2 | Ni 231.604† | 16065.8 | 9435.8 | 0.2145 mg/L | 0.2145 mg/L | 17:43:58 |
| 2 | P 214.914† | 9117.2 | 5673.5 | 5.074 mg/L | 5.074 mg/L | 17:43:58 |
| 2 | Pb 220.353† | 47632.4 | 30124.5 | 4.295 mg/L | 4.295 mg/L | 17:43:58 |
| 2 | Sb 206.836† | 86.1 | 18.6 | -0.0113 mg/L | -0.0113 mg/L | 17:44:18 |
| 2 | Se 196.026† | -1.3 | 4.0 | 0.0064 mg/L | 0.0064 mg/L | 17:44:18 |
| 2 | Sn 189.927† | 6149.7 | 3811.7 | 1.148 mg/L | 1.148 mg/L | 17:43:58 |
| 2 | Sr 407.771† | 2124695.7 | 1338432.2 | 0.0665 mg/L | 0.0665 mg/L | 17:43:45 |
| 2 | Ti 337.279† | 1085639.7 | 685309.8 | 0.9958 mg/L | 0.9958 mg/L | 17:43:53 |
| 2 | Tl 190.801† | -22.1 | 5.2 | 0.0314 mg/L | 0.0314 mg/L | 17:44:18 |
| 2 | V 292.402† | 26725.6 | 18070.7 | 0.0795 mg/L | 0.0795 mg/L | 17:43:58 |
| 2 | Zn 213.857† | 1431610.5 | 900901.8 | 11.80 mg/L | 11.80 mg/L | 17:43:53 |

Mean Data: 0608248-03

| Analyte | Mean Corrected Intensity | Calib Conc. Units | Std.Dev. | Sample Conc. Units | Std.Dev. | RSD |
|---|--------------------------|-------------------|----------|--------------------|----------|-------|
| Y 371.029 | 5149249.1 | 1.58 mg/L | 0.005 | | | 0.29% |
| Internal Standard Check greater than the upper limit for Y 371.029. Recovery = 158.5% | | | | | | |
| Ag 328.068† | 109295.2 | 0.4312 mg/L | 0.00430 | 0.4312 mg/L | 0.00430 | 1.00% |
| Al 237.313† | 136609.0 | 19.61 mg/L | 0.220 | 19.61 mg/L | 0.220 | 1.12% |
| As 188.979† | 12.4 | 0.0196 mg/L | 0.00189 | 0.0196 mg/L | 0.00189 | 9.61% |

| | | | | | | |
|-------------|-----------|--------------|---------|--------------|---------|--------|
| B 182.528† | 16.5 | 0.0407 mg/L | 0.00024 | 0.0407 mg/L | 0.00024 | 0.59% |
| Ba 233.527† | 103208.7 | 1.161 mg/L | 0.0120 | 1.161 mg/L | 0.0120 | 1.03% |
| Be 313.107† | 4573.3 | 0.0009 mg/L | 0.00002 | 0.0009 mg/L | 0.00002 | 2.38% |
| Ca 315.886† | 1249397.0 | 10.50 mg/L | 0.116 | 10.50 mg/L | 0.116 | 1.10% |
| Cd 228.802† | 422.2 | 0.0104 mg/L | 0.00034 | 0.0104 mg/L | 0.00034 | 3.28% |
| Co 228.616† | 616.8 | 0.0130 mg/L | 0.00021 | 0.0130 mg/L | 0.00021 | 1.62% |
| Cr 267.716† | 124189.5 | 0.9811 mg/L | 0.01097 | 0.9811 mg/L | 0.01097 | 1.12% |
| Cu 324.752† | 4276793.7 | 18.65 mg/L | 0.152 | 18.65 mg/L | 0.152 | 0.82% |
| Fe 234.349† | 3104825.6 | 69.62 mg/L | 0.722 | 69.62 mg/L | 0.722 | 1.04% |
| Fe 238.204† | 6196763.9 | 65.63 mg/L | 0.668 | 65.63 mg/L | 0.668 | 1.02% |
| K 766.490† | 5017.3 | 2.830 mg/L | 0.0293 | 2.830 mg/L | 0.0293 | 1.03% |
| Li 670.784† | 1563.5 | 0.0286 mg/L | 0.00031 | 0.0286 mg/L | 0.00031 | 1.08% |
| Mg 279.077† | 86046.9 | 4.883 mg/L | 0.1248 | 4.883 mg/L | 0.1248 | 2.55% |
| Mn 257.610† | 615647.5 | 0.8243 mg/L | 0.00852 | 0.8243 mg/L | 0.00852 | 1.03% |
| Mo 202.031† | 200.8 | 0.0146 mg/L | 0.00013 | 0.0146 mg/L | 0.00013 | 0.90% |
| Na 589.592 | 34216.3 | 4.563 mg/L | 0.0940 | 4.563 mg/L | 0.0940 | 2.06% |
| Ni 231.604† | 9584.2 | 0.2180 mg/L | 0.00485 | 0.2180 mg/L | 0.00485 | 2.23% |
| P 214.914† | 5780.4 | 5.169 mg/L | 0.1348 | 5.169 mg/L | 0.1348 | 2.61% |
| Pb 220.353† | 30638.1 | 4.368 mg/L | 0.1037 | 4.368 mg/L | 0.1037 | 2.37% |
| Sb 206.836† | 15.5 | -0.0132 mg/L | 0.00265 | -0.0132 mg/L | 0.00265 | 20.08% |
| Se 196.026† | 4.1 | 0.0066 mg/L | 0.00025 | 0.0066 mg/L | 0.00025 | 3.78% |
| Sn 189.927† | 3896.3 | 1.174 mg/L | 0.0362 | 1.174 mg/L | 0.0362 | 3.08% |
| Sr 407.771† | 1347799.0 | 0.0670 mg/L | 0.00066 | 0.0670 mg/L | 0.00066 | 0.99% |
| Ti 337.279† | 690143.3 | 1.003 mg/L | 0.0099 | 1.003 mg/L | 0.0099 | 0.99% |
| Tl 190.801† | 7.3 | 0.0335 mg/L | 0.00287 | 0.0335 mg/L | 0.00287 | 8.57% |
| V 292.402† | 18338.6 | 0.0808 mg/L | 0.00179 | 0.0808 mg/L | 0.00179 | 2.21% |
| Zn 213.857† | 907240.5 | 11.89 mg/L | 0.117 | 11.89 mg/L | 0.117 | 0.99% |

Internal Standard Check failed. Continue with analysis.

Sequence No.: 12

Autosampler Location: 18

Sample ID: 0608248-04

Date Collected: 8/14/2006 5:45:57 PM

Analyst:

Data Type: Original

Initial Sample Wt:

Initial Sample Vol:

Dilution:

Sample Prep Vol:

Replicate Data: 0608248-04

| Repl# | Analyte | Net Intensity | Corrected Intensity | Conc. Units | Calib. Conc. Units | Sample Conc. Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------------|--------------------|--------------------|---------------|
| 1 | K 766.490† | 8841.1 | 6295.2 | 3.393 mg/L | 3.393 mg/L | 3.393 mg/L | 17:47:33 |
| 1 | Li 670.784† | 5244.5 | 3620.8 | 0.0528 mg/L | 0.0528 mg/L | 0.0528 mg/L | 17:47:33 |
| 1 | Na 589.592 | 29607.9 | 29291.3 | 3.932 mg/L | 3.932 mg/L | 3.932 mg/L | 17:47:33 |
| 1 | Y 371.029 | 4886389.0 | 4886389.0 | 1.50 mg/L | 1.50 mg/L | 1.50 mg/L | 17:47:58 |
| 1 | Ag 328.068† | 197259.8 | 132931.0 | 0.5268 mg/L | 0.5268 mg/L | 0.5268 mg/L | 17:48:03 |
| 1 | Al 237.313† | 385038.5 | 256251.3 | 36.72 mg/L | 36.72 mg/L | 36.72 mg/L | 17:47:58 |
| 1 | As 188.979† | 56.3 | 33.0 | 0.0520 mg/L | 0.0520 mg/L | 0.0520 mg/L | 17:48:24 |
| 1 | B 182.528† | 15.8 | 13.8 | 0.0348 mg/L | 0.0348 mg/L | 0.0348 mg/L | 17:48:24 |
| 1 | Ba 233.527† | 168523.6 | 112167.5 | 1.262 mg/L | 1.262 mg/L | 1.262 mg/L | 17:48:03 |
| 1 | Be 313.107† | 14414.5 | 8564.2 | 0.0015 mg/L | 0.0015 mg/L | 0.0015 mg/L | 17:48:03 |
| 1 | Ca 315.886† | 6218464.3 | 4134821.0 | 34.80 mg/L | 34.80 mg/L | 34.80 mg/L | 17:47:51 |
| 1 | Cd 228.802† | 976.3 | 501.7 | 0.0128 mg/L | 0.0128 mg/L | 0.0128 mg/L | 17:48:24 |
| 1 | Co 228.616† | 1475.0 | 1049.0 | 0.0244 mg/L | 0.0244 mg/L | 0.0244 mg/L | 17:48:24 |
| 1 | Cr 267.716† | 46807.0 | 29424.7 | 0.2380 mg/L | 0.2380 mg/L | 0.2380 mg/L | 17:48:03 |
| 1 | Cu 324.752† | 1664634.9 | 1104902.2 | 4.841 mg/L | 4.841 mg/L | 4.841 mg/L | 17:47:58 |
| 1 | Fe 234.349† | 9683875.1 | 6438517.1 | 144.4 mg/L | 144.4 mg/L | 144.4 mg/L | 17:47:51 |
| 1 | Fe 238.204† | 18126800.4 | 12054118.5 | 127.7 mg/L | 127.7 mg/L | 127.7 mg/L | 17:47:51 |
| 1 | Mg 279.077† | 268243.7 | 178268.8 | 10.14 mg/L | 10.14 mg/L | 10.14 mg/L | 17:48:03 |
| 1 | Mn 257.610† | 2020590.9 | 1342158.7 | 1.800 mg/L | 1.800 mg/L | 1.800 mg/L | 17:47:58 |
| 1 | Mo 202.031† | 262.9 | 132.4 | 0.0093 mg/L | 0.0093 mg/L | 0.0093 mg/L | 17:48:03 |
| 1 | Ni 231.604† | 16874.6 | 10539.8 | 0.2401 mg/L | 0.2401 mg/L | 0.2401 mg/L | 17:48:03 |
| 1 | P 214.914† | 7685.2 | 5042.4 | 4.511 mg/L | 4.511 mg/L | 4.511 mg/L | 17:48:24 |
| 1 | Pb 220.353† | 64120.1 | 42767.6 | 6.106 mg/L | 6.106 mg/L | 6.106 mg/L | 17:48:03 |
| 1 | Sb 206.836† | 12.9 | -27.0 | -0.0218 mg/L | -0.0218 mg/L | -0.0218 mg/L | 17:48:24 |
| 1 | Se 196.026† | -6.3 | 0.6 | 0.0015 mg/L | 0.0015 mg/L | 0.0015 mg/L | 17:48:24 |
| 1 | Sn 189.927† | 1511.1 | 943.5 | 0.2854 mg/L | 0.2854 mg/L | 0.2854 mg/L | 17:48:24 |
| 1 | Sr 407.771† | 2665835.7 | 1773170.3 | 0.0882 mg/L | 0.0882 mg/L | 0.0882 mg/L | 17:47:51 |
| 1 | Ti 337.279† | 1874571.1 | 1248227.8 | 1.814 mg/L | 1.814 mg/L | 1.814 mg/L | 17:47:58 |
| 1 | Tl 190.801† | -30.8 | -1.3 | 0.0401 mg/L | 0.0401 mg/L | 0.0401 mg/L | 17:48:24 |
| 1 | V 292.402† | 54740.6 | 37643.3 | 0.1674 mg/L | 0.1674 mg/L | 0.1674 mg/L | 17:48:03 |
| 1 | Zn 213.857† | 464208.2 | 307987.0 | 4.022 mg/L | 4.022 mg/L | 4.022 mg/L | 17:48:03 |
| 2 | K 766.490† | 9573.7 | 6797.1 | 3.614 mg/L | 3.614 mg/L | 3.614 mg/L | 17:47:39 |

| | | | | | | |
|---|-------------|------------|------------|--------------|--------------|----------|
| 2 | Li 670.784† | 5595.2 | 3852.6 | 0.0557 mg/L | 0.0557 mg/L | 17:47:39 |
| 2 | Na 589.592 | 31624.1 | 31307.5 | 4.191 mg/L | 4.191 mg/L | 17:47:39 |
| 2 | Y 371.029 | 4875139.9 | 4875139.9 | 1.50 mg/L | 1.50 mg/L | 17:48:40 |
| 2 | Ag 328.068† | 196696.5 | 132858.2 | 0.5266 mg/L | 0.5266 mg/L | 17:48:45 |
| 2 | Al 237.313† | 394673.3 | 263264.4 | 37.73 mg/L | 37.73 mg/L | 17:48:40 |
| 2 | As 188.979† | 55.1 | 32.3 | 0.0509 mg/L | 0.0509 mg/L | 17:49:05 |
| 2 | B 182.528† | 11.9 | 11.2 | 0.0292 mg/L | 0.0292 mg/L | 17:49:05 |
| 2 | Ba 233.527† | 167475.3 | 111727.4 | 1.257 mg/L | 1.257 mg/L | 17:48:45 |
| 2 | Be 313.107† | 14438.4 | 8602.2 | 0.0015 mg/L | 0.0015 mg/L | 17:48:45 |
| 2 | Ca 315.886† | 6300852.0 | 4199280.6 | 35.34 mg/L | 35.34 mg/L | 17:48:33 |
| 2 | Cd 228.802† | 983.6 | 508.0 | 0.0130 mg/L | 0.0130 mg/L | 17:49:05 |
| 2 | Co 228.616† | 1480.8 | 1055.1 | 0.0245 mg/L | 0.0245 mg/L | 17:49:05 |
| 2 | Cr 267.716† | 46422.7 | 29240.3 | 0.2366 mg/L | 0.2366 mg/L | 17:48:45 |
| 2 | Cu 324.752† | 1701322.6 | 1131911.5 | 4.959 mg/L | 4.959 mg/L | 17:48:40 |
| 2 | Fe 234.349† | 9810038.5 | 6537473.9 | 146.6 mg/L | 146.6 mg/L | 17:48:33 |
| 2 | Fe 238.204† | 18332721.6 | 12219195.3 | 129.4 mg/L | 129.4 mg/L | 17:48:33 |
| 2 | Mg 279.077† | 266100.0 | 177251.5 | 10.08 mg/L | 10.08 mg/L | 17:48:45 |
| 2 | Mn 257.610† | 2068245.3 | 1377024.2 | 1.847 mg/L | 1.847 mg/L | 17:48:40 |
| 2 | Mo 202.031† | 249.2 | 123.7 | 0.0086 mg/L | 0.0086 mg/L | 17:48:45 |
| 2 | Ni 231.604† | 16823.4 | 10531.5 | 0.2399 mg/L | 0.2399 mg/L | 17:48:45 |
| 2 | P 214.914† | 7612.0 | 5005.5 | 4.478 mg/L | 4.478 mg/L | 17:49:05 |
| 2 | Pb 220.353† | 63500.0 | 42452.7 | 6.061 mg/L | 6.061 mg/L | 17:48:45 |
| 2 | Sb 206.836† | 2.6 | -33.9 | -0.0256 mg/L | -0.0256 mg/L | 17:49:05 |
| 2 | Se 196.026† | -4.5 | 1.8 | 0.0033 mg/L | 0.0033 mg/L | 17:49:05 |
| 2 | Sn 189.927† | 1516.8 | 949.6 | 0.2874 mg/L | 0.2874 mg/L | 17:49:05 |
| 2 | Sr 407.771† | 2700657.9 | 1800472.5 | 0.0896 mg/L | 0.0896 mg/L | 17:48:33 |
| 2 | Ti 337.279† | 1918443.7 | 1280348.5 | 1.861 mg/L | 1.861 mg/L | 17:48:40 |
| 2 | Tl 190.801† | -26.3 | 1.6 | 0.0436 mg/L | 0.0436 mg/L | 17:49:05 |
| 2 | V 292.402† | 54531.8 | 37588.1 | 0.1667 mg/L | 0.1667 mg/L | 17:48:45 |
| 2 | Zn 213.857† | 461651.5 | 306995.1 | 4.009 mg/L | 4.009 mg/L | 17:48:45 |

Mean Data: 0608248-04

| Analyte | Mean Corrected Intensity | Calib Conc. Units | Std. Dev. | Sample Conc. Units | Std. Dev. | RSD |
|---|--------------------------|-------------------|-----------|--------------------|-----------|--------|
| Y 371.029 | 4880764.5 | 1.50 mg/L | 0.0002 | | | 0.16% |
| Internal Standard Check greater than the upper limit for Y 371.029. Recovery = 150.2% | | | | | | |
| Ag 328.068† | 132894.6 | 0.5267 mg/L | 0.00014 | 0.5267 mg/L | 0.00014 | 0.03% |
| Al 237.313† | 259757.9 | 37.22 mg/L | 0.716 | 37.22 mg/L | 0.716 | 1.92% |
| As 188.979† | 32.7 | 0.0515 mg/L | 0.00081 | 0.0515 mg/L | 0.00081 | 1.57% |
| B 182.528† | 12.5 | 0.0320 mg/L | 0.00391 | 0.0320 mg/L | 0.00391 | 12.22% |
| Ba 233.527† | 111947.5 | 1.260 mg/L | 0.0035 | 1.260 mg/L | 0.0035 | 0.28% |
| Be 313.107† | 8583.2 | 0.0015 mg/L | 0.00001 | 0.0015 mg/L | 0.00001 | 0.84% |
| Ca 315.886† | 4167050.8 | 35.07 mg/L | 0.384 | 35.07 mg/L | 0.384 | 1.09% |
| Cd 228.802† | 504.9 | 0.0129 mg/L | 0.00013 | 0.0129 mg/L | 0.00013 | 1.03% |
| Co 228.616† | 1052.1 | 0.0245 mg/L | 0.00006 | 0.0245 mg/L | 0.00006 | 0.26% |
| Cr 267.716† | 29332.5 | 0.2373 mg/L | 0.00095 | 0.2373 mg/L | 0.00095 | 0.40% |
| Cu 324.752† | 1118406.9 | 4.900 mg/L | 0.0836 | 4.900 mg/L | 0.0836 | 1.71% |
| Fe 234.349† | 6487995.5 | 145.5 mg/L | 1.57 | 145.5 mg/L | 1.57 | 1.08% |
| Fe 238.204† | 12136656.9 | 128.6 mg/L | 1.24 | 128.6 mg/L | 1.24 | 0.96% |
| K 766.490† | 6546.2 | 3.503 mg/L | 0.1563 | 3.503 mg/L | 0.1563 | 4.46% |
| Li 670.784† | 3731.7 | 0.0543 mg/L | 0.00203 | 0.0543 mg/L | 0.00203 | 3.74% |
| Mg 279.077† | 177760.1 | 10.11 mg/L | 0.041 | 10.11 mg/L | 0.041 | 0.41% |
| Mn 257.610† | 1359591.5 | 1.824 mg/L | 0.0331 | 1.824 mg/L | 0.0331 | 1.82% |
| Mo 202.031† | 128.1 | 0.0089 mg/L | 0.00048 | 0.0089 mg/L | 0.00048 | 5.35% |
| Na 589.592 | 30299.4 | 4.061 mg/L | 0.1825 | 4.061 mg/L | 0.1825 | 4.49% |
| Ni 231.604† | 10535.6 | 0.2400 mg/L | 0.00014 | 0.2400 mg/L | 0.00014 | 0.06% |
| P 214.914† | 8024.0 | 4.495 mg/L | 0.0233 | 4.495 mg/L | 0.0233 | 0.52% |
| Pb 220.353† | 42610.2 | 6.084 mg/L | 0.0318 | 6.084 mg/L | 0.0318 | 0.52% |
| Sb 206.836† | -30.5 | -0.0237 mg/L | 0.00265 | -0.0237 mg/L | 0.00265 | 11.19% |
| Se 196.026† | 1.2 | 0.0024 mg/L | 0.00124 | 0.0024 mg/L | 0.00124 | 51.66% |
| Sn 189.927† | 946.6 | 0.2864 mg/L | 0.00140 | 0.2864 mg/L | 0.00140 | 0.49% |
| Sr 407.771† | 1786821.4 | 0.0889 mg/L | 0.00096 | 0.0889 mg/L | 0.00096 | 1.08% |
| Ti 337.279† | 1264288.1 | 1.838 mg/L | 0.0330 | 1.838 mg/L | 0.0330 | 1.80% |
| Tl 190.801† | 0.2 | 0.0419 mg/L | 0.00248 | 0.0419 mg/L | 0.00248 | 5.91% |
| V 292.402† | 37615.7 | 0.1671 mg/L | 0.00045 | 0.1671 mg/L | 0.00045 | 0.27% |
| Zn 213.857† | 307491.0 | 4.016 mg/L | 0.0093 | 4.016 mg/L | 0.0093 | 0.23% |
| Internal Standard Check failed. Continue with analysis. | | | | | | |
| User canceled analysis. | | | | | | |

=====
Analysis Begun

Start Time: 8/14/2006 5:50:49 PM
Logged In Analyst: ICP3
Spectrometer Model: Optima 4300 DV, S/N 077N1032302

Plasma On Time: 8/14/2006 10:15:34 AM
Technique: ICP Continuous
Autosampler Model: AS-91

Sample Information File: C:\pe\Administrator\Sample Information\081406NA.sif
Batch ID: 081406na
Results Data Set: 081406NAD
Results Library: Q:\Metals\Results\ICP3\Results2\Results.mdb

=====
Sequence No.: 1
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:
User canceled analysis.

=====
Autosampler Location: 3
Date Collected: 8/14/2006 5:50:49 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

=====
Analysis Begun

Start Time: 8/14/2006 5:51:08 PM
Logged In Analyst: ICP3
Spectrometer Model: Optima 4300 DV, S/N 077N1032302

Plasma On Time: 8/14/2006 10:15:34 AM
Technique: ICP Continuous
Autosampler Model: AS-91

Sample Information File: C:\pe\Administrator\Sample Information\081406NA.sif
Batch ID: 081406na
Results Data Set: 081406NAD
Results Library: Q:\Metals\Results\ICP3\Results2\Results.mdb

=====
Sequence No.: 13
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:

=====
Autosampler Location: 3
Date Collected: 8/14/2006 5:51:08 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CCV

| Repl# | Analyte | Net Intensity | Corrected Intensity | Conc. Units | Sample Conc. Units | Analysis Time |
|-------|-------------|---------------|---------------------|-------------|--------------------|---------------|
| 1 | K 766.490† | 33057.6 | 21514.5 | 10.10 mg/L | 10.10 mg/L | 17:52:41 |
| 1 | Li 670.784† | 26197.7 | 16843.6 | 0.2098 mg/L | 0.2098 mg/L | 17:52:41 |
| 1 | Na 589.592 | 122166.1 | 121849.5 | 15.78 mg/L | 15.78 mg/L | 17:52:41 |
| 1 | Y 371.029 | 5091475.1 | 5091475.1 | 1.57 mg/L | | 17:52:56 |
| 1 | Ag 328.068† | 37894.9 | 25932.7 | 0.1020 mg/L | 0.1020 mg/L | 17:53:01 |
| 1 | Al 237.313† | 10774.7 | 7064.3 | 1.025 mg/L | 1.025 mg/L | 17:53:01 |
| 1 | As 188.979† | 200.7 | 123.7 | 0.2000 mg/L | 0.2000 mg/L | 17:53:21 |
| 1 | B 182.528† | 134.4 | 89.0 | 0.1952 mg/L | 0.1952 mg/L | 17:53:21 |
| 1 | Ba 233.527† | 29767.0 | 19092.2 | 0.2138 mg/L | 0.2138 mg/L | 17:53:01 |
| 1 | Be 313.107† | 125259.8 | 78924.7 | 0.0203 mg/L | 0.0203 mg/L | 17:53:01 |
| 1 | Ca 315.886† | 401420.7 | 255532.6 | 2.130 mg/L | 2.130 mg/L | 17:53:01 |
| 1 | Cd 228.802† | 6435.5 | 3959.8 | 0.1015 mg/L | 0.1015 mg/L | 17:53:21 |
| 1 | Co 228.616† | 10867.4 | 7004.2 | 0.2099 mg/L | 0.2099 mg/L | 17:53:01 |
| 1 | Cr 267.716† | 44467.8 | 26677.8 | 0.2087 mg/L | 0.2087 mg/L | 17:53:01 |
| 1 | Cu 324.752† | 97275.9 | 59948.4 | 0.2589 mg/L | 0.2589 mg/L | 17:53:01 |
| 1 | Fe 234.349† | 79317.8 | 49029.4 | 1.086 mg/L | 1.086 mg/L | 17:53:01 |
| 1 | Fe 238.204† | 165775.1 | 104974.5 | 1.102 mg/L | 1.102 mg/L | 17:53:01 |
| 1 | Mg 279.077† | 56177.1 | 35732.2 | 2.027 mg/L | 2.027 mg/L | 17:53:01 |
| 1 | Mn 257.610† | 255328.8 | 161358.6 | 0.2140 mg/L | 0.2140 mg/L | 17:53:01 |
| 1 | Mo 202.031† | 4038.9 | 2535.4 | 0.1954 mg/L | 0.1954 mg/L | 17:53:21 |
| 1 | Ni 231.604† | 15013.7 | 8900.0 | 0.2024 mg/L | 0.2024 mg/L | 17:53:01 |
| 1 | P 214.914† | 3542.0 | 2192.2 | 1.969 mg/L | 1.969 mg/L | 17:53:21 |
| 1 | Pb 220.353† | 2206.0 | 1533.5 | 0.2178 mg/L | 0.2178 mg/L | 17:53:21 |
| 1 | Sb 206.836† | 614.5 | 356.6 | 0.1884 mg/L | 0.1884 mg/L | 17:53:21 |
| 1 | Se 196.026† | 396.5 | 257.8 | 0.3764 mg/L | 0.3764 mg/L | 17:53:21 |
| 1 | Sn 189.927† | 1209.0 | 710.2 | 0.2075 mg/L | 0.2075 mg/L | 17:53:21 |
| 1 | Sr 407.771† | 706806.1 | 451414.1 | 0.0223 mg/L | 0.0223 mg/L | 17:52:56 |
| 1 | Ti 337.279† | 232959.4 | 150258.8 | 0.2177 mg/L | 0.2177 mg/L | 17:53:01 |

| | | | | | | |
|---|-------------|-----------|-----------|-------------|-------------|----------|
| 1 | Tl 190.801† | 336.9 | 234.2 | 0.2393 mg/L | 0.2393 mg/L | 17:53:21 |
| 1 | V 292.402† | 66218.3 | 43502.5 | 0.2206 mg/L | 0.2206 mg/L | 17:53:01 |
| 1 | Zn 213.857† | 28356.1 | 17370.7 | 0.2237 mg/L | 0.2237 mg/L | 17:53:01 |
| 2 | K 766.490† | 33269.3 | 22012.9 | 10.32 mg/L | 10.32 mg/L | 17:52:47 |
| 2 | Li 670.784† | 26368.3 | 17240.5 | 0.2145 mg/L | 0.2145 mg/L | 17:52:47 |
| 2 | Na 589.592 | 123226.7 | 122910.1 | 15.92 mg/L | 15.92 mg/L | 17:52:47 |
| 2 | Y 371.029 | 5005822.2 | 5005822.2 | 1.54 mg/L | 1.54 mg/L | 17:53:28 |
| 2 | Ag 328.068† | 38375.7 | 26658.6 | 0.1048 mg/L | 0.1048 mg/L | 17:53:34 |
| 2 | Al 237.313† | 10871.6 | 7244.9 | 1.052 mg/L | 1.052 mg/L | 17:53:34 |
| 2 | As 188.979† | 198.0 | 124.1 | 0.2006 mg/L | 0.2006 mg/L | 17:53:54 |
| 2 | B 182.528† | 134.0 | 90.2 | 0.1978 mg/L | 0.1978 mg/L | 17:53:54 |
| 2 | Ba 233.527† | 29984.5 | 19558.5 | 0.2191 mg/L | 0.2191 mg/L | 17:53:34 |
| 2 | Be 313.107† | 126033.6 | 80795.0 | 0.0208 mg/L | 0.0208 mg/L | 17:53:34 |
| 2 | Ca 315.886† | 403924.1 | 261541.6 | 2.181 mg/L | 2.181 mg/L | 17:53:34 |
| 2 | Cd 228.802† | 6422.0 | 4021.3 | 0.1031 mg/L | 0.1031 mg/L | 17:53:54 |
| 2 | Co 228.616† | 10938.6 | 7169.1 | 0.2150 mg/L | 0.2150 mg/L | 17:53:34 |
| 2 | Cr 267.716† | 44890.6 | 27438.0 | 0.2147 mg/L | 0.2147 mg/L | 17:53:34 |
| 2 | Cu 324.752† | 98516.6 | 61816.2 | 0.2670 mg/L | 0.2670 mg/L | 17:53:34 |
| 2 | Fe 234.349† | 79638.7 | 50103.9 | 1.110 mg/L | 1.110 mg/L | 17:53:34 |
| 2 | Fe 238.204† | 166306.0 | 107129.5 | 1.125 mg/L | 1.125 mg/L | 17:53:34 |
| 2 | Mg 279.077† | 56575.5 | 36604.4 | 2.077 mg/L | 2.077 mg/L | 17:53:34 |
| 2 | Mn 257.610† | 256950.7 | 165199.9 | 0.2192 mg/L | 0.2192 mg/L | 17:53:34 |
| 2 | Mo 202.031† | 4279.3 | 2735.6 | 0.2109 mg/L | 0.2109 mg/L | 17:53:54 |
| 2 | Ni 231.604† | 15185.9 | 9175.8 | 0.2088 mg/L | 0.2088 mg/L | 17:53:34 |
| 2 | P 214.914† | 3540.0 | 2229.6 | 2.003 mg/L | 2.003 mg/L | 17:53:54 |
| 2 | Pb 220.353† | 2191.5 | 1548.2 | 0.2199 mg/L | 0.2199 mg/L | 17:53:54 |
| 2 | Sb 206.836† | 633.9 | 375.9 | 0.1987 mg/L | 0.1987 mg/L | 17:53:54 |
| 2 | Se 196.026† | 405.3 | 267.9 | 0.3910 mg/L | 0.3910 mg/L | 17:53:54 |
| 2 | Sn 189.927† | 1192.7 | 712.8 | 0.2083 mg/L | 0.2083 mg/L | 17:53:54 |
| 2 | Sr 407.771† | 692402.6 | 449782.7 | 0.0222 mg/L | 0.0222 mg/L | 17:53:28 |
| 2 | Ti 337.279† | 234777.8 | 153983.3 | 0.2231 mg/L | 0.2231 mg/L | 17:53:34 |
| 2 | Tl 190.801† | 345.7 | 243.6 | 0.2483 mg/L | 0.2483 mg/L | 17:53:54 |
| 2 | V 292.402† | 66716.1 | 44548.9 | 0.2261 mg/L | 0.2261 mg/L | 17:53:34 |
| 2 | Zn 213.857† | 28461.0 | 17748.2 | 0.2286 mg/L | 0.2286 mg/L | 17:53:34 |

Mean Data: CCV

| Analyte | Mean Corrected Intensity | Conc. Units | Calib | Std.Dev. | Sample Conc. Units | Std.Dev. | RSD |
|---|--------------------------|-------------|-------|----------|--------------------|----------|-------|
| Y 371.029 | 5048648.6 | 1.85 mg/L | | 0.019 | | | 1.20% |
| Internal Standard Check greater than the upper limit for Y 371.029. Recovery = 155.4% | | | | | | | |
| Ag 328.068† | 26295.6 | 0.1034 mg/L | | 0.00202 | 0.1034 mg/L | 0.00202 | 1.95% |
| QC value less than the lower limit for Ag 328.068 Recovery = 41.37% | | | | | | | |
| Al 237.313† | 7154.6 | 1.038 mg/L | | 0.0186 | 1.038 mg/L | 0.0186 | 1.79% |
| QC value less than the lower limit for Al 237.313 Recovery = 41.54% | | | | | | | |
| As 188.979† | 123.9 | 0.2003 mg/L | | 0.00044 | 0.2003 mg/L | 0.00044 | 0.22% |
| QC value less than the lower limit for As 188.979 Recovery = 40.05% | | | | | | | |
| B 182.528† | 89.6 | 0.1965 mg/L | | 0.00182 | 0.1965 mg/L | 0.00182 | 0.93% |
| QC value less than the lower limit for B 182.528 Recovery = 39.29% | | | | | | | |
| Ba 233.527† | 19325.4 | 0.2165 mg/L | | 0.00372 | 0.2165 mg/L | 0.00372 | 1.72% |
| QC value less than the lower limit for Ba 233.527 Recovery = 43.29% | | | | | | | |
| Be 313.107† | 79859.8 | 0.0205 mg/L | | 0.00034 | 0.0205 mg/L | 0.00034 | 1.66% |
| QC value less than the lower limit for Be 313.107 Recovery = 41.04% | | | | | | | |
| Ca 315.886† | 258537.1 | 2.155 mg/L | | 0.0358 | 2.155 mg/L | 0.0358 | 1.66% |
| QC value less than the lower limit for Ca 315.886 Recovery = 43.11% | | | | | | | |
| Cd 228.802† | 3990.6 | 0.1023 mg/L | | 0.00114 | 0.1023 mg/L | 0.00114 | 1.12% |
| QC value less than the lower limit for Cd 228.802 Recovery = 40.93% | | | | | | | |
| Co 228.616† | 7086.6 | 0.2125 mg/L | | 0.00356 | 0.2125 mg/L | 0.00356 | 1.67% |
| QC value less than the lower limit for Co 228.616 Recovery = 42.49% | | | | | | | |
| Cr 267.716† | 27057.9 | 0.2117 mg/L | | 0.00423 | 0.2117 mg/L | 0.00423 | 2.00% |
| QC value less than the lower limit for Cr 267.716 Recovery = 42.34% | | | | | | | |
| Cu 324.752† | 60882.3 | 0.2629 mg/L | | 0.00576 | 0.2629 mg/L | 0.00576 | 2.19% |
| QC value less than the lower limit for Cu 324.752 Recovery = 52.59% | | | | | | | |
| Fe 234.349† | 49566.7 | 1.098 mg/L | | 0.0170 | 1.098 mg/L | 0.0170 | 1.55% |
| QC value less than the lower limit for Fe 234.349 Recovery = 43.94% | | | | | | | |
| Fe 238.204† | 106052.0 | 1.114 mg/L | | 0.0161 | 1.114 mg/L | 0.0161 | 1.45% |
| QC value less than the lower limit for Fe 238.204 Recovery = 44.54% | | | | | | | |
| K 766.490† | 21763.7 | 10.21 mg/L | | 0.155 | 10.21 mg/L | 0.155 | 1.52% |
| QC value less than the lower limit for K 766.490 Recovery = 40.82% | | | | | | | |
| Li 670.784† | 17042.0 | 0.2121 mg/L | | 0.00333 | 0.2121 mg/L | 0.00333 | 1.57% |
| QC value less than the lower limit for Li 670.784 Recovery = 42.42% | | | | | | | |
| Mg 279.077† | 36168.3 | 2.052 mg/L | | 0.0353 | 2.052 mg/L | 0.0353 | 1.72% |

| | | | | | | | |
|---|----------|----------|-------------|---------|-------------|---------|-------|
| Mn | 257.610† | 163279.2 | 0.2166 mg/L | 0.00365 | 0.2166 mg/L | 0.00365 | 1.68% |
| QC value less than the lower limit for Mg 279.077 Recovery = 41.03% | | | | | | | |
| Mo | 202.031† | 2635.5 | 0.2031 mg/L | 0.01096 | 0.2031 mg/L | 0.01096 | 5.40% |
| QC value less than the lower limit for Mn 257.610 Recovery = 43.32% | | | | | | | |
| Na | 589.592 | 122379.8 | 15.85 mg/L | 0.096 | 15.85 mg/L | 0.096 | 0.61% |
| QC value less than the lower limit for Mo 202.031 Recovery = 40.63% | | | | | | | |
| Ni | 231.604† | 9037.9 | 0.2056 mg/L | 0.00451 | 0.2056 mg/L | 0.00451 | 2.20% |
| QC value less than the lower limit for Na 589.592 Recovery = 63.40% | | | | | | | |
| P | 214.914† | 2210.9 | 1.986 mg/L | 0.0236 | 1.986 mg/L | 0.0236 | 1.19% |
| QC value less than the lower limit for Ni 231.604 Recovery = 41.12% | | | | | | | |
| Pb | 220.353† | 1540.9 | 0.2189 mg/L | 0.00150 | 0.2189 mg/L | 0.00150 | 0.69% |
| QC value less than the lower limit for P 214.914 Recovery = 39.72% | | | | | | | |
| Sb | 206.836† | 366.3 | 0.1936 mg/L | 0.00731 | 0.1936 mg/L | 0.00731 | 3.77% |
| QC value less than the lower limit for Pb 220.353 Recovery = 43.77% | | | | | | | |
| Se | 196.026† | 262.9 | 0.3837 mg/L | 0.01036 | 0.3837 mg/L | 0.01036 | 2.70% |
| QC value less than the lower limit for Sb 206.836 Recovery = 38.71% | | | | | | | |
| Sn | 189.927† | 711.5 | 0.2079 mg/L | 0.00057 | 0.2079 mg/L | 0.00057 | 0.27% |
| QC value less than the lower limit for Se 196.026 Recovery = 38.37% | | | | | | | |
| Sr | 407.771† | 450598.4 | 0.0223 mg/L | 0.00006 | 0.0223 mg/L | 0.00006 | 0.26% |
| QC value less than the lower limit for Sn 189.927 Recovery = 41.59% | | | | | | | |
| Ti | 337.279† | 152121.0 | 0.2204 mg/L | 0.00383 | 0.2204 mg/L | 0.00383 | 1.74% |
| QC value less than the lower limit for Sr 407.771 Recovery = 44.53% | | | | | | | |
| Tl | 190.801† | 238.9 | 0.2438 mg/L | 0.00636 | 0.2438 mg/L | 0.00636 | 2.61% |
| QC value less than the lower limit for Ti 337.279 Recovery = 44.08% | | | | | | | |
| V | 292.402† | 44025.7 | 0.2234 mg/L | 0.00389 | 0.2234 mg/L | 0.00389 | 1.74% |
| QC value less than the lower limit for Tl 190.801 Recovery = 48.75% | | | | | | | |
| Zn | 213.857† | 17559.6 | 0.2261 mg/L | 0.00348 | 0.2261 mg/L | 0.00348 | 1.54% |
| QC value less than the lower limit for V 292.402 Recovery = 44.67% | | | | | | | |
| QC value less than the lower limit for Zn 213.857 Recovery = 45.23% | | | | | | | |

Internal Standard Check failed. Continue with analysis.
 QC Failed. Continue with analysis.

Sequence No.: 14 Autosampler Location: 1
 Sample ID: ICCB Date Collected: 8/14/2006 5:55:32 PM
 Analyst: Data Type: Original
 Initial Sample Wt: Initial Sample Vol:
 Dilution: Sample Prep Vol:
 User canceled analysis.

Analysis Begun

Start Time: 8/14/2006 5:59:54 PM Plasma On Time: 8/14/2006 10:15:34 AM
 Logged In Analyst: ICP3 Technique: ICP Continuous
 Spectrometer Model: Optima 4300 DV, S/N 077N1032302 Autosampler Model: AS-91

Sample Information File: C:\pe\Administrator\Sample Information\081406NA.sif
 Batch ID: 081406na
 Results Data Set: 081406NAD
 Results Library: Q:\Metals\Results\ICP3\Results2\Results.mdb

Sequence No.: 11 Autosampler Location: 17
 Sample ID: 0608248-03 Date Collected: 8/14/2006 5:59:54 PM
 Analyst: Data Type: Original
 Initial Sample Wt: Initial Sample Vol:
 Dilution: Sample Prep Vol:

Replicate Data: 0608248-03

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. Units | Sample Conc. Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------------------|--------------------|---------------|
| 1 | K 766.490† | 11160.0 | 11766.3 | 5.803 mg/L | 5.803 mg/L | 18:01:31 |
| 1 | Li 670.784† | 3493.8 | 3676.5 | 0.0536 mg/L | 0.0536 mg/L | 18:01:31 |
| 1 | Na 589.592 | 50461.9 | 50145.2 | 6.602 mg/L | 6.602 mg/L | 18:01:31 |
| 1 | Y 371.029 | 3195014.8 | 3195014.8 | 0.983 mg/L | | 18:02:01 |
| 1 | Ag 328.068† | 260642.4 | 266843.2 | 1.052 mg/L | 1.052 mg/L | 18:02:06 |
| 1 | Al 237.313† | 323230.7 | 328942.1 | 47.24 mg/L | 47.24 mg/L | 18:02:01 |
| 1 | As 188.979† | 32.5 | 28.6 | 0.0445 mg/L | 0.0445 mg/L | 18:02:26 |
| 1 | B 182.528† | 37.6 | 41.5 | 0.0939 mg/L | 0.0939 mg/L | 18:02:26 |
| 1 | Ba 233.527† | 234986.8 | 239096.3 | 2.692 mg/L | 2.692 mg/L | 18:02:06 |

| | | | | | | |
|---|-------------|------------|------------|--------------|--------------|----------|
| 1 | Be 313.107† | 12239.5 | 11426.7 | 0.0024 mg/L | 0.0024 mg/L | 18:02:06 |
| 1 | Ca 315.886† | 2872735.5 | 2921157.8 | 24.58 mg/L | 24.58 mg/L | 18:02:01 |
| 1 | Cd 228.802† | 1240.6 | 1114.2 | 0.0290 mg/L | 0.0290 mg/L | 18:02:26 |
| 1 | Co 228.616† | 1282.5 | 1372.5 | 0.0332 mg/L | 0.0332 mg/L | 18:02:26 |
| 1 | Cr 267.716† | 286073.7 | 289259.2 | 2.287 mg/L | 2.287 mg/L | 18:02:06 |
| 1 | Cu 324.752† | 9693935.9 | 9857468.3 | 43.00 mg/L | 43.00 mg/L | 18:01:51 |
| 1 | Fe 234.349† | 7062163.0 | 7181260.9 | 161.0 mg/L | 161.0 mg/L | 18:02:01 |
| 1 | Fe 238.204† | 13427101.3 | 13655740.4 | 144.6 mg/L | 144.6 mg/L | 18:01:51 |
| 1 | Mg 279.077† | 198083.0 | 201345.7 | 11.45 mg/L | 11.45 mg/L | 18:02:06 |
| 1 | Mn 257.610† | 1406063.1 | 1428488.6 | 1.916 mg/L | 1.916 mg/L | 18:02:01 |
| 1 | Mo 202.031† | 557.9 | 525.0 | 0.0397 mg/L | 0.0397 mg/L | 18:02:26 |
| 1 | Ni 231.604† | 23113.4 | 22825.9 | 0.5241 mg/L | 0.5241 mg/L | 18:02:06 |
| 1 | P 214.914† | 13651.3 | 13816.2 | 12.34 mg/L | 12.34 mg/L | 18:02:06 |
| 1 | Pb 220.353† | 70181.1 | 71506.1 | 10.20 mg/L | 10.20 mg/L | 18:02:06 |
| 1 | Sb 206.836† | 101.8 | 67.9 | -0.0120 mg/L | -0.0120 mg/L | 18:02:26 |
| 1 | Se 196.026† | 2.3 | 7.1 | 0.0110 mg/L | 0.0110 mg/L | 18:02:26 |
| 1 | Sn 189.927† | 9105.5 | 9199.7 | 2.781 mg/L | 2.781 mg/L | 18:02:26 |
| 1 | Sr 407.771† | 3086515.0 | 3139561.1 | 0.1563 mg/L | 0.1563 mg/L | 18:02:01 |
| 1 | Ti 337.279† | 1570806.2 | 1599224.5 | 2.325 mg/L | 2.325 mg/L | 18:02:01 |
| 1 | Tl 190.801† | -22.2 | -3.4 | 0.0391 mg/L | 0.0391 mg/L | 18:02:26 |
| 1 | V 292.402† | 38873.6 | 40776.8 | 0.1792 mg/L | 0.1792 mg/L | 18:02:06 |
| 1 | Zn 213.857† | 2064554.5 | 2099110.4 | 27.51 mg/L | 27.51 mg/L | 18:02:01 |
| 2 | K 766.490† | 11324.5 | 12058.7 | 5.931 mg/L | 5.931 mg/L | 18:01:37 |
| 2 | Li 670.784† | 3563.8 | 3787.1 | 0.0549 mg/L | 0.0549 mg/L | 18:01:37 |
| 2 | Na 589.592 | 51002.9 | 50686.2 | 6.672 mg/L | 6.672 mg/L | 18:01:37 |
| 2 | Y 371.029 | 3160681.3 | 3160681.3 | 0.973 mg/L | | 18:02:47 |
| 2 | Ag 328.068† | 259436.2 | 268482.7 | 1.059 mg/L | 1.059 mg/L | 18:02:52 |
| 2 | Al 237.313† | 318801.3 | 327959.3 | 47.10 mg/L | 47.10 mg/L | 18:02:47 |
| 2 | As 188.979† | 33.8 | 30.3 | 0.0472 mg/L | 0.0472 mg/L | 18:03:12 |
| 2 | B 182.528† | 31.5 | 35.6 | 0.0813 mg/L | 0.0813 mg/L | 18:03:12 |
| 2 | Ba 233.527† | 233612.4 | 240279.4 | 2.705 mg/L | 2.705 mg/L | 18:02:52 |
| 2 | Be 313.107† | 12165.4 | 11485.7 | 0.0024 mg/L | 0.0024 mg/L | 18:02:52 |
| 2 | Ca 315.886† | 2828265.0 | 2907174.9 | 24.46 mg/L | 24.46 mg/L | 18:02:47 |
| 2 | Cd 228.802† | 1236.8 | 1124.0 | 0.0292 mg/L | 0.0292 mg/L | 18:03:12 |
| 2 | Co 228.616† | 1285.9 | 1390.2 | 0.0337 mg/L | 0.0337 mg/L | 18:03:12 |
| 2 | Cr 267.716† | 284457.5 | 290758.1 | 2.299 mg/L | 2.299 mg/L | 18:02:52 |
| 2 | Cu 324.752† | 9747676.9 | 10019823.2 | 43.71 mg/L | 43.71 mg/L | 18:02:37 |
| 2 | Fe 234.349† | 6965989.1 | 7160405.9 | 160.6 mg/L | 160.6 mg/L | 18:02:47 |
| 2 | Fe 238.204† | 13468511.2 | 13846662.4 | 146.7 mg/L | 146.7 mg/L | 18:02:37 |
| 2 | Mg 279.077† | 196506.4 | 201913.1 | 11.48 mg/L | 11.48 mg/L | 18:02:52 |
| 2 | Mn 257.610† | 1386665.0 | 1424079.3 | 1.910 mg/L | 1.910 mg/L | 18:02:47 |
| 2 | Mo 202.031† | 541.6 | 514.5 | 0.0389 mg/L | 0.0389 mg/L | 18:03:12 |
| 2 | Ni 231.604† | 22878.1 | 22839.4 | 0.5244 mg/L | 0.5244 mg/L | 18:02:52 |
| 2 | P 214.914† | 13507.9 | 13819.5 | 12.34 mg/L | 12.34 mg/L | 18:02:52 |
| 2 | Pb 220.353† | 69860.5 | 71951.8 | 10.26 mg/L | 10.26 mg/L | 18:02:52 |
| 2 | Sb 206.836† | 107.1 | 74.6 | -0.0086 mg/L | -0.0086 mg/L | 18:03:12 |
| 2 | Se 196.026† | -0.7 | 4.0 | 0.0065 mg/L | 0.0065 mg/L | 18:03:12 |
| 2 | Sn 189.927† | 9074.2 | 9268.1 | 2.802 mg/L | 2.802 mg/L | 18:03:12 |
| 2 | Sr 407.771† | 3052234.7 | 3138416.9 | 0.1563 mg/L | 0.1563 mg/L | 18:02:47 |
| 2 | Ti 337.279† | 1551326.9 | 1596551.9 | 2.321 mg/L | 2.321 mg/L | 18:02:47 |
| 2 | Tl 190.801† | -19.6 | -1.0 | 0.0413 mg/L | 0.0413 mg/L | 18:03:12 |
| 2 | V 292.402† | 38555.6 | 40879.4 | 0.1797 mg/L | 0.1797 mg/L | 18:02:52 |
| 2 | Zn 213.857† | 2040135.5 | 2096814.1 | 27.48 mg/L | 27.48 mg/L | 18:02:47 |

Mean Data: 0608248-03

| Analyte | Mean Corrected Intensity | Conc. Units | Calib | Std.Dev. | Sample Conc. Units | Std.Dev. | RSD |
|-------------|--------------------------|-------------|-------|----------|--------------------|----------|--------|
| Y 371.029 | 3177848.1 | 0.978 mg/L | | 0.0075 | | | 0.76% |
| Ag 328.068† | 267662.9 | 1.055 mg/L | | 0.0045 | 1.055 mg/L | 0.0045 | 0.43% |
| Al 237.313† | 328450.7 | 47.17 mg/L | | 0.100 | 47.17 mg/L | 0.100 | 0.21% |
| As 188.979† | 29.5 | 0.0458 mg/L | | 0.00191 | 0.0458 mg/L | 0.00191 | 4.17% |
| B 182.528† | 38.6 | 0.0876 mg/L | | 0.00892 | 0.0876 mg/L | 0.00892 | 10.19% |
| Ba 233.527† | 239687.8 | 2.699 mg/L | | 0.0094 | 2.699 mg/L | 0.0094 | 0.35% |
| Be 313.107† | 11456.2 | 0.0024 mg/L | | 0.00001 | 0.0024 mg/L | 0.00001 | 0.55% |
| Ca 315.886† | 2914166.4 | 24.52 mg/L | | 0.083 | 24.52 mg/L | 0.083 | 0.34% |
| Cd 228.802† | 1119.1 | 0.0291 mg/L | | 0.00017 | 0.0291 mg/L | 0.00017 | 0.58% |
| Co 228.616† | 1381.3 | 0.0335 mg/L | | 0.00039 | 0.0335 mg/L | 0.00039 | 1.16% |
| Cr 267.716† | 290008.6 | 2.293 mg/L | | 0.0083 | 2.293 mg/L | 0.0083 | 0.36% |
| Cu 324.752† | 9938645.7 | 43.35 mg/L | | 0.500 | 43.35 mg/L | 0.500 | 1.15% |
| Fe 234.349† | 7170833.4 | 160.8 mg/L | | 0.33 | 160.8 mg/L | 0.33 | 0.21% |
| Fe 238.204† | 13751201.4 | 145.7 mg/L | | 1.43 | 145.7 mg/L | 1.43 | 0.98% |

| | | | | | | |
|-------------|-----------|--------------|---------|--------------|---------|--------|
| K 766.490† | 11912.5 | 5.867 mg/L | 0.0911 | 5.867 mg/L | 0.0911 | 1.55% |
| Li 670.784† | 3731.8 | 0.0543 mg/L | 0.00093 | 0.0543 mg/L | 0.00093 | 1.71% |
| Mg 279.077† | 201629.4 | 11.47 mg/L | 0.023 | 11.47 mg/L | 0.023 | 0.20% |
| Mn 257.610† | 1426284.0 | 1.913 mg/L | 0.0042 | 1.913 mg/L | 0.0042 | 0.22% |
| Mo 202.031† | 519.7 | 0.0393 mg/L | 0.00058 | 0.0393 mg/L | 0.00058 | 1.47% |
| Na 589.592 | 50415.7 | 6.637 mg/L | 0.0490 | 6.637 mg/L | 0.0490 | 0.74% |
| Ni 231.604† | 22832.6 | 0.5243 mg/L | 0.00022 | 0.5243 mg/L | 0.00022 | 0.04% |
| P 214.914† | 13817.9 | 12.34 mg/L | 0.002 | 12.34 mg/L | 0.002 | 0.02% |
| Pb 220.353† | 71729.0 | 10.23 mg/L | 0.045 | 10.23 mg/L | 0.045 | 0.44% |
| Sb 206.836† | 71.2 | -0.0103 mg/L | 0.00239 | -0.0103 mg/L | 0.00239 | 23.24% |
| Se 196.026† | 5.6 | 0.0088 mg/L | 0.00319 | 0.0088 mg/L | 0.00319 | 36.34% |
| Sn 189.927† | 9233.9 | 2.791 mg/L | 0.0146 | 2.791 mg/L | 0.0146 | 0.52% |
| Sr 407.771† | 3138989.0 | 0.1563 mg/L | 0.00004 | 0.1563 mg/L | 0.00004 | 0.03% |
| Ti 337.279† | 1597888.2 | 2.323 mg/L | 0.0027 | 2.323 mg/L | 0.0027 | 0.12% |
| Tl 190.801† | -2.2 | 0.0402 mg/L | 0.00156 | 0.0402 mg/L | 0.00156 | 3.88% |
| V 292.402† | 40828.1 | 0.1794 mg/L | 0.00039 | 0.1794 mg/L | 0.00039 | 0.22% |
| Zn 213.857† | 2097962.2 | 27.49 mg/L | 0.021 | 27.49 mg/L | 0.021 | 0.08% |

Sequence No.: 12
 Sample ID: 0608248-04
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 18
 Date Collected: 8/14/2006 6:04:52 PM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Replicate Data: 0608248-04

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. Units | Sample Conc. Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------------------|--------------------|---------------|
| 1 | K 766.490† | 14042.1 | 14927.3 | 7.195 mg/L | 7.195 mg/L | 18:06:28 |
| 1 | Li 670.784† | 8064.1 | 8456.8 | 0.1103 mg/L | 0.1103 mg/L | 18:06:28 |
| 1 | Na 589.592 | 44964.9 | 44648.2 | 5.899 mg/L | 5.899 mg/L | 18:06:28 |
| 1 | Y 371.029 | 3144463.8 | 3144463.8 | 0.968 mg/L | | 18:06:59 |
| 1 | Ag 328.068† | 282184.6 | 293367.5 | 1.162 mg/L | 1.162 mg/L | 18:07:05 |
| 1 | Al 237.313† | 551434.4 | 570062.3 | 81.77 mg/L | 81.77 mg/L | 18:06:59 |
| 1 | As 188.979† | 76.0 | 74.2 | 0.1163 mg/L | 0.1163 mg/L | 18:07:25 |
| 1 | B 182.528† | 16.5 | 20.3 | 0.0487 mg/L | 0.0487 mg/L | 18:07:25 |
| 1 | Ba 233.527† | 230287.3 | 238081.9 | 2.681 mg/L | 2.681 mg/L | 18:07:05 |
| 1 | Be 313.107† | 19383.9 | 19010.2 | 0.0034 mg/L | 0.0034 mg/L | 18:07:05 |
| 1 | Ca 315.886† | 8537016.7 | 8821830.0 | 74.27 mg/L | 74.27 mg/L | 18:06:52 |
| 1 | Cd 228.802† | 1305.4 | 1201.5 | 0.0319 mg/L | 0.0319 mg/L | 18:07:25 |
| 1 | Co 228.616† | 2075.9 | 2213.4 | 0.0556 mg/L | 0.0556 mg/L | 18:07:25 |
| 1 | Cr 267.716† | 62990.0 | 63392.8 | 0.5138 mg/L | 0.5138 mg/L | 18:07:05 |
| 1 | Cu 324.752† | 2327563.5 | 2403261.9 | 10.53 mg/L | 10.53 mg/L | 18:06:59 |
| 1 | Fe 234.349† | 13034888.4 | 13469193.0 | 302.1 mg/L | 302.1 mg/L | 18:06:52 |
| 1 | Fe 238.204† | 23158564.3 | 23932178.5 | 253.5 mg/L | 253.5 mg/L | 18:06:52 |
| 1 | Mg 279.077† | 374940.6 | 387356.4 | 22.05 mg/L | 22.05 mg/L | 18:07:05 |
| 1 | Mn 257.610† | 2779922.4 | 2871281.6 | 3.855 mg/L | 3.855 mg/L | 18:06:59 |
| 1 | Mo 202.031† | 300.8 | 268.5 | 0.0198 mg/L | 0.0198 mg/L | 18:07:05 |
| 1 | Ni 231.604† | 23027.7 | 23115.3 | 0.5308 mg/L | 0.5308 mg/L | 18:07:05 |
| 1 | P 214.914† | 10934.1 | 11231.2 | 10.03 mg/L | 10.03 mg/L | 18:07:05 |
| 1 | Pb 220.353† | 89133.2 | 92239.4 | 13.17 mg/L | 13.17 mg/L | 18:07:05 |
| 1 | Sb 206.836† | 7.6 | -27.7 | -0.0291 mg/L | -0.0291 mg/L | 18:07:25 |
| 1 | Se 196.026† | 6.1 | 11.1 | 0.0168 mg/L | 0.0168 mg/L | 18:07:25 |
| 1 | Sn 189.927† | 1990.7 | 1995.9 | 0.6118 mg/L | 0.6118 mg/L | 18:07:25 |
| 1 | Sr 407.771† | 3670243.1 | 3793277.0 | 0.1889 mg/L | 0.1889 mg/L | 18:06:52 |
| 1 | Ti 337.279† | 2588492.9 | 2676627.8 | 3.891 mg/L | 3.891 mg/L | 18:06:59 |
| 1 | Tl 190.801† | -33.0 | -14.9 | 0.0576 mg/L | 0.0576 mg/L | 18:07:25 |
| 1 | V 292.402† | 75533.5 | 79298.4 | 0.3531 mg/L | 0.3531 mg/L | 18:07:05 |
| 1 | Zn 213.857† | 641597.2 | 662325.3 | 8.654 mg/L | 8.654 mg/L | 18:06:59 |
| 2 | K 766.490† | 14112.4 | 14720.8 | 7.104 mg/L | 7.104 mg/L | 18:06:33 |
| 2 | Li 670.784† | 8111.3 | 8345.2 | 0.1090 mg/L | 0.1090 mg/L | 18:06:33 |
| 2 | Na 589.592 | 45050.8 | 44734.1 | 5.910 mg/L | 5.910 mg/L | 18:06:33 |
| 2 | Y 371.029 | 3205813.2 | 3205813.2 | 0.987 mg/L | | 18:07:48 |
| 2 | Ag 328.068† | 282630.7 | 288239.0 | 1.141 mg/L | 1.141 mg/L | 18:07:53 |
| 2 | Al 237.313† | 562972.1 | 570852.0 | 81.91 mg/L | 81.91 mg/L | 18:07:48 |
| 2 | As 188.979† | 77.4 | 74.0 | 0.1160 mg/L | 0.1160 mg/L | 18:08:13 |
| 2 | B 182.528† | 17.4 | 20.9 | 0.0501 mg/L | 0.0501 mg/L | 18:08:13 |
| 2 | Ba 233.527† | 230369.5 | 233610.9 | 2.630 mg/L | 2.630 mg/L | 18:07:53 |
| 2 | Be 313.107† | 19401.9 | 18645.1 | 0.0033 mg/L | 0.0033 mg/L | 18:07:53 |
| 2 | Ca 315.886† | 8510178.6 | 8625789.8 | 72.62 mg/L | 72.62 mg/L | 18:07:41 |
| 2 | Cd 228.802† | 1294.0 | 1164.1 | 0.0309 mg/L | 0.0309 mg/L | 18:08:13 |

| | | | | | | |
|---|-------------|------------|------------|--------------|--------------|----------|
| 2 | Co 228.616† | 2084.7 | 2181.3 | 0.0546 mg/L | 0.0546 mg/L | 18:08:13 |
| 2 | Cr 267.716† | 62973.1 | 62130.0 | 0.5034 mg/L | 0.5034 mg/L | 18:07:53 |
| 2 | Cu 324.752† | 2372391.6 | 2402670.6 | 10.53 mg/L | 10.53 mg/L | 18:07:48 |
| 2 | Fe 234.349† | 12996489.3 | 13172479.9 | 295.4 mg/L | 295.4 mg/L | 18:07:41 |
| 2 | Fe 238.204† | 23100774.0 | 23415594.6 | 248.0 mg/L | 248.0 mg/L | 18:07:41 |
| 2 | Mg 279.077† | 374802.3 | 379801.0 | 21.62 mg/L | 21.62 mg/L | 18:07:53 |
| 2 | Mn 257.610† | 2837077.4 | 2874239.3 | 3.859 mg/L | 3.859 mg/L | 18:07:48 |
| 2 | Mo 202.031† | 280.4 | 241.9 | 0.0177 mg/L | 0.0177 mg/L | 18:07:53 |
| 2 | Ni 231.604† | 23092.5 | 22725.6 | 0.5218 mg/L | 0.5218 mg/L | 18:07:53 |
| 2 | P 214.914† | 10915.8 | 10996.5 | 9.821 mg/L | 9.821 mg/L | 18:07:53 |
| 2 | Pb 220.353† | 89268.8 | 90614.1 | 12.94 mg/L | 12.94 mg/L | 18:07:53 |
| 2 | Sb 206.836† | -0.1 | -35.7 | -0.0333 mg/L | -0.0333 mg/L | 18:08:13 |
| 2 | Se 196.026† | 2.9 | 7.7 | 0.0119 mg/L | 0.0119 mg/L | 18:08:13 |
| 2 | Sn 189.927† | 1972.2 | 1937.7 | 0.5940 mg/L | 0.5940 mg/L | 18:08:13 |
| 2 | Sr 407.771† | 3661189.2 | 3711513.4 | 0.1849 mg/L | 0.1849 mg/L | 18:07:41 |
| 2 | Ti 337.279† | 2639029.7 | 2676662.9 | 3.892 mg/L | 3.892 mg/L | 18:07:48 |
| 2 | Tl 190.801† | -49.5 | -31.0 | 0.0425 mg/L | 0.0425 mg/L | 18:08:13 |
| 2 | V 292.402† | 75662.0 | 77934.8 | 0.3471 mg/L | 0.3471 mg/L | 18:07:53 |
| 2 | Zn 213.857† | 654267.0 | 662479.5 | 8.657 mg/L | 8.657 mg/L | 18:07:48 |

 Mean Data: 0608248-04

| Analyte | Mean Corrected Intensity | Conc. Units | Calib | Std.Dev. | Sample Conc. Units | Std.Dev. | RSD |
|-------------|--------------------------|--------------|-------|----------|--------------------|----------|--------|
| Y 371.029 | 3175138.5 | 0.977 mg/L | | 0.0133 | | | 1.37% |
| Ag 328.068† | 290803.2 | 1.152 mg/L | | 0.0144 | 1.152 mg/L | 0.0144 | 1.25% |
| Al 237.313† | 570457.1 | 81.84 mg/L | | 0.102 | 81.84 mg/L | 0.102 | 0.12% |
| As 188.979† | 74.1 | 0.1162 mg/L | | 0.00020 | 0.1162 mg/L | 0.00020 | 0.17% |
| B 182.528† | 20.6 | 0.0494 mg/L | | 0.00096 | 0.0494 mg/L | 0.00096 | 1.95% |
| Ba 233.527† | 235846.4 | 2.655 mg/L | | 0.0356 | 2.655 mg/L | 0.0356 | 1.34% |
| Be 313.107† | 18827.6 | 0.0033 mg/L | | 0.00010 | 0.0033 mg/L | 0.00010 | 2.91% |
| Ca 315.886† | 8723809.9 | 73.44 mg/L | | 1.167 | 73.44 mg/L | 1.167 | 1.59% |
| Cd 228.802† | 1182.8 | 0.0314 mg/L | | 0.00072 | 0.0314 mg/L | 0.00072 | 2.30% |
| Co 228.616† | 2197.3 | 0.0551 mg/L | | 0.00069 | 0.0551 mg/L | 0.00069 | 1.26% |
| Cr 267.716† | 62761.4 | 0.5086 mg/L | | 0.00732 | 0.5086 mg/L | 0.00732 | 1.44% |
| Cu 324.752† | 2402966.3 | 10.53 mg/L | | 0.003 | 10.53 mg/L | 0.003 | 0.03% |
| Fe 234.349† | 13320836.5 | 298.7 mg/L | | 4.71 | 298.7 mg/L | 4.71 | 1.58% |
| Fe 238.204† | 23673886.5 | 250.8 mg/L | | 3.87 | 250.8 mg/L | 3.87 | 1.54% |
| K 766.490† | 14824.0 | 7.149 mg/L | | 0.0643 | 7.149 mg/L | 0.0643 | 0.90% |
| Li 670.784† | 8401.0 | 0.1096 mg/L | | 0.00094 | 0.1096 mg/L | 0.00094 | 0.85% |
| Mg 279.077† | 383578.7 | 21.84 mg/L | | 0.304 | 21.84 mg/L | 0.304 | 1.39% |
| Mn 257.610† | 2872760.4 | 3.857 mg/L | | 0.0028 | 3.857 mg/L | 0.0028 | 0.07% |
| Mo 202.031† | 255.2 | 0.0188 mg/L | | 0.00146 | 0.0188 mg/L | 0.00146 | 7.76% |
| Na 589.592 | 44691.2 | 5.904 mg/L | | 0.0078 | 5.904 mg/L | 0.0078 | 0.13% |
| Ni 231.604† | 22920.4 | 0.5263 mg/L | | 0.00637 | 0.5263 mg/L | 0.00637 | 1.21% |
| P 214.914† | 11113.9 | 9.926 mg/L | | 0.1480 | 9.926 mg/L | 0.1480 | 1.49% |
| Pb 220.353† | 91426.8 | 13.06 mg/L | | 0.164 | 13.06 mg/L | 0.164 | 1.26% |
| Sb 206.836† | -31.7 | -0.0312 mg/L | | 0.00295 | -0.0312 mg/L | 0.00295 | 9.47% |
| Se 196.026† | 9.4 | 0.0144 mg/L | | 0.00344 | 0.0144 mg/L | 0.00344 | 23.96% |
| Sn 189.927† | 1966.8 | 0.6029 mg/L | | 0.01261 | 0.6029 mg/L | 0.01261 | 2.09% |
| Sr 407.771† | 3752395.2 | 0.1869 mg/L | | 0.00288 | 0.1869 mg/L | 0.00288 | 1.54% |
| Ti 337.279† | 2676645.3 | 3.891 mg/L | | 0.0000 | 3.891 mg/L | 0.0000 | 0.00% |
| Tl 190.801† | -22.9 | 0.0500 mg/L | | 0.01073 | 0.0500 mg/L | 0.01073 | 21.45% |
| V 292.402† | 78616.6 | 0.3501 mg/L | | 0.00424 | 0.3501 mg/L | 0.00424 | 1.21% |
| Zn 213.857† | 662402.4 | 8.656 mg/L | | 0.0019 | 8.656 mg/L | 0.0019 | 0.02% |

Sequence No.: 13

Sample ID: CCV

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 3

Date Collected: 8/14/2006 6:09:53 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

 Replicate Data: CCV

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. Units | Sample Conc. Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------------------|--------------------|---------------|
| 1 | K 766.490† | 54481.5 | 56257.2 | 25.40 mg/L | 25.40 mg/L | 18:11:28 |
| 1 | Li 670.784† | 42039.4 | 43211.9 | 0.5225 mg/L | 0.5225 mg/L | 18:11:28 |
| 1 | Na 589.592 | 189050.3 | 188733.7 | 24.35 mg/L | 24.35 mg/L | 18:11:28 |
| 1 | Y 371.029 | 3170468.3 | 3170468.3 | 0.976 mg/L | | 18:11:42 |
| 1 | Ag 328.068† | 62588.2 | 65897.0 | 0.2589 mg/L | 0.2589 mg/L | 18:11:48 |

| | | | | | | |
|---|-------------|-----------|-----------|-------------|-------------|----------|
| 1 | Al 237.313† | 16991.5 | 17603.1 | 2.556 mg/L | 2.556 mg/L | 18:11:48 |
| 1 | As 188.979† | 307.6 | 310.9 | 0.5016 mg/L | 0.5016 mg/L | 18:12:08 |
| 1 | B 182.528† | 220.9 | 229.7 | 0.4949 mg/L | 0.4949 mg/L | 18:12:08 |
| 1 | Ba 233.527† | 44617.3 | 45824.7 | 0.5149 mg/L | 0.5149 mg/L | 18:11:48 |
| 1 | Be 313.107† | 194916.6 | 198760.7 | 0.0513 mg/L | 0.0513 mg/L | 18:11:48 |
| 1 | Ca 315.886† | 591428.9 | 605520.7 | 5.079 mg/L | 5.079 mg/L | 18:11:42 |
| 1 | Cd 228.802† | 9862.9 | 9961.5 | 0.2570 mg/L | 0.2570 mg/L | 18:12:08 |
| 1 | Co 228.616† | 16567.8 | 17049.5 | 0.5164 mg/L | 0.5164 mg/L | 18:12:08 |
| 1 | Cr 267.716† | 65328.2 | 65255.5 | 0.5125 mg/L | 0.5125 mg/L | 18:11:48 |
| 1 | Cu 324.752† | 153045.5 | 154728.6 | 0.6725 mg/L | 0.6725 mg/L | 18:11:48 |
| 1 | Fe 234.349† | 118659.8 | 120027.2 | 2.675 mg/L | 2.675 mg/L | 18:11:48 |
| 1 | Fe 238.204† | 248261.0 | 253627.8 | 2.677 mg/L | 2.677 mg/L | 18:11:48 |
| 1 | Mg 279.077† | 88262.9 | 90343.7 | 5.152 mg/L | 5.152 mg/L | 18:11:48 |
| 1 | Mn 257.610† | 380324.2 | 388214.6 | 0.5189 mg/L | 0.5189 mg/L | 18:11:48 |
| 1 | Mo 202.031† | 6443.8 | 6562.3 | 0.5073 mg/L | 0.5073 mg/L | 18:12:08 |
| 1 | Ni 231.604† | 22769.4 | 22655.4 | 0.5207 mg/L | 0.5207 mg/L | 18:11:48 |
| 1 | P 214.914† | 5607.0 | 5678.6 | 5.078 mg/L | 5.078 mg/L | 18:12:08 |
| 1 | Pb 220.353† | 3428.0 | 3639.1 | 0.5193 mg/L | 0.5193 mg/L | 18:12:08 |
| 1 | Sb 206.836† | 942.5 | 930.4 | 0.4939 mg/L | 0.4939 mg/L | 18:12:08 |
| 1 | Se 196.026† | 669.4 | 690.9 | 1.007 mg/L | 1.007 mg/L | 18:12:08 |
| 1 | Sn 189.927† | 1723.5 | 1705.1 | 0.5085 mg/L | 0.5085 mg/L | 18:12:08 |
| 1 | Sr 407.771† | 1003342.4 | 1028687.8 | 0.0511 mg/L | 0.0511 mg/L | 18:11:42 |
| 1 | Ti 337.279† | 345407.5 | 355603.6 | 0.5163 mg/L | 0.5163 mg/L | 18:11:48 |
| 1 | Tl 190.801† | 554.0 | 587.0 | 0.5776 mg/L | 0.5776 mg/L | 18:12:08 |
| 1 | V 292.402† | 98531.5 | 102230.2 | 0.5196 mg/L | 0.5196 mg/L | 18:11:48 |
| 1 | Zn 213.857† | 46074.8 | 46497.6 | 0.6040 mg/L | 0.6040 mg/L | 18:11:48 |
| 2 | K 766.490† | 54851.6 | 56189.9 | 25.37 mg/L | 25.37 mg/L | 18:11:34 |
| 2 | Li 670.784† | 42346.9 | 43182.2 | 0.5221 mg/L | 0.5221 mg/L | 18:11:34 |
| 2 | Na 589.592 | 190835.3 | 190518.7 | 24.57 mg/L | 24.57 mg/L | 18:11:34 |
| 2 | Y 371.029 | 3195861.3 | 3195861.3 | 0.983 mg/L | | 18:12:14 |
| 2 | Ag 328.068† | 62717.9 | 65519.2 | 0.2574 mg/L | 0.2574 mg/L | 18:12:20 |
| 2 | Al 237.313† | 17019.2 | 17492.8 | 2.540 mg/L | 2.540 mg/L | 18:12:20 |
| 2 | As 188.979† | 308.6 | 309.4 | 0.4992 mg/L | 0.4992 mg/L | 18:12:40 |
| 2 | B 182.528† | 218.0 | 225.0 | 0.4849 mg/L | 0.4849 mg/L | 18:12:40 |
| 2 | Ba 233.527† | 44748.4 | 45594.6 | 0.5124 mg/L | 0.5124 mg/L | 18:12:20 |
| 2 | Be 313.107† | 195676.5 | 197945.9 | 0.0511 mg/L | 0.0511 mg/L | 18:12:20 |
| 2 | Ca 315.886† | 599061.1 | 608464.8 | 5.104 mg/L | 5.104 mg/L | 18:12:14 |
| 2 | Cd 228.802† | 9889.3 | 9908.0 | 0.2556 mg/L | 0.2556 mg/L | 18:12:40 |
| 2 | Co 228.616† | 16623.0 | 16970.7 | 0.5140 mg/L | 0.5140 mg/L | 18:12:40 |
| 2 | Cr 267.716† | 65776.7 | 65179.5 | 0.5119 mg/L | 0.5119 mg/L | 18:12:20 |
| 2 | Cu 324.752† | 150741.0 | 151139.0 | 0.6568 mg/L | 0.6568 mg/L | 18:12:20 |
| 2 | Fe 234.349† | 118691.6 | 119093.2 | 2.654 mg/L | 2.654 mg/L | 18:12:20 |
| 2 | Fe 238.204† | 248540.7 | 251890.4 | 2.659 mg/L | 2.659 mg/L | 18:12:20 |
| 2 | Mg 279.077† | 88788.3 | 90159.1 | 5.142 mg/L | 5.142 mg/L | 18:12:20 |
| 2 | Mn 257.610† | 381978.7 | 386799.6 | 0.5170 mg/L | 0.5170 mg/L | 18:12:20 |
| 2 | Mo 202.031† | 6497.1 | 6564.0 | 0.5074 mg/L | 0.5074 mg/L | 18:12:40 |
| 2 | Ni 231.604† | 22878.9 | 22581.3 | 0.5190 mg/L | 0.5190 mg/L | 18:12:20 |
| 2 | P 214.914† | 5632.6 | 5658.9 | 5.061 mg/L | 5.061 mg/L | 18:12:40 |
| 2 | Pb 220.353† | 3435.5 | 3618.8 | 0.5164 mg/L | 0.5164 mg/L | 18:12:40 |
| 2 | Sb 206.836† | 939.4 | 919.6 | 0.4881 mg/L | 0.4881 mg/L | 18:12:40 |
| 2 | Se 196.026† | 674.9 | 691.1 | 1.008 mg/L | 1.008 mg/L | 18:12:40 |
| 2 | Sn 189.927† | 1725.3 | 1692.9 | 0.5048 mg/L | 0.5048 mg/L | 18:12:40 |
| 2 | Sr 407.771† | 1010478.3 | 1027772.5 | 0.0510 mg/L | 0.0510 mg/L | 18:12:14 |
| 2 | Ti 337.279† | 346175.4 | 353571.4 | 0.5134 mg/L | 0.5134 mg/L | 18:12:20 |
| 2 | Tl 190.801† | 558.3 | 586.9 | 0.5775 mg/L | 0.5775 mg/L | 18:12:40 |
| 2 | V 292.402† | 99110.0 | 102016.0 | 0.5185 mg/L | 0.5185 mg/L | 18:12:20 |
| 2 | Zn 213.857† | 46049.0 | 46096.0 | 0.5988 mg/L | 0.5988 mg/L | 18:12:20 |

Mean Data: CCV

| Analyte | Mean Corrected Intensity | Calib Conc. Units | Std.Dev. | Sample Conc. Units | Std.Dev. | RSD |
|-------------|--|-------------------|----------|--------------------|----------|-------|
| Y 371.029 | 3183164.8 | 0.980 mg/L | 0.0055 | | | |
| Ag 328.068† | 65708.1 | 0.2581 mg/L | 0.00105 | 0.2581 mg/L | 0.00105 | 0.56% |
| | QC value within limits for Ag 328.068 Recovery = 103.25% | | | | | |
| Al 237.313† | 17548.0 | 2.548 mg/L | 0.0113 | 2.548 mg/L | 0.0113 | 0.44% |
| | QC value within limits for Al 237.313 Recovery = 101.91% | | | | | |
| As 188.979† | 310.2 | 0.5004 mg/L | 0.00170 | 0.5004 mg/L | 0.00170 | 0.34% |
| | QC value within limits for As 188.979 Recovery = 100.08% | | | | | |
| B 182.528† | 227.3 | 0.4899 mg/L | 0.00712 | 0.4899 mg/L | 0.00712 | 1.45% |
| | QC value within limits for B 182.528 Recovery = 97.98% | | | | | |
| Ba 233.527† | 45709.6 | 0.5137 mg/L | 0.00183 | 0.5137 mg/L | 0.00183 | 0.36% |

| | | | | | |
|--|--------------------|-------------|---------|-------------|---------------|
| QC value within limits for Ba 233.527 | Recovery = 102.73% | | | | |
| Be 313.107† | 198353.3 | 0.0512 mg/L | 0.00015 | 0.0512 mg/L | 0.00015 0.29% |
| QC value within limits for Be 313.107 | Recovery = 102.31% | | | | |
| Ca 315.886† | 606992.8 | 5.091 mg/L | 0.0175 | 5.091 mg/L | 0.0175 0.34% |
| QC value within limits for Ca 315.886 | Recovery = 101.83% | | | | |
| Cd 228.802† | 9934.8 | 0.2563 mg/L | 0.00098 | 0.2563 mg/L | 0.00098 0.38% |
| QC value within limits for Cd 228.802 | Recovery = 102.50% | | | | |
| Co 228.616† | 17010.1 | 0.5152 mg/L | 0.00170 | 0.5152 mg/L | 0.00170 0.33% |
| QC value within limits for Co 228.616 | Recovery = 103.03% | | | | |
| Cr 267.716† | 65217.5 | 0.5122 mg/L | 0.00042 | 0.5122 mg/L | 0.00042 0.08% |
| QC value within limits for Cr 267.716 | Recovery = 102.44% | | | | |
| Cu 324.752† | 152933.8 | 0.6646 mg/L | 0.01107 | 0.6646 mg/L | 0.01107 1.67% |
| QC value greater than the upper limit for Cu 324.752 | Recovery = 132.93% | | | | |
| Fe 234.349† | 119560.2 | 2.665 mg/L | 0.0148 | 2.665 mg/L | 0.0148 0.56% |
| QC value within limits for Fe 234.349 | Recovery = 106.59% | | | | |
| Fe 238.204† | 252759.1 | 2.668 mg/L | 0.0130 | 2.668 mg/L | 0.0130 0.49% |
| QC value within limits for Fe 238.204 | Recovery = 106.72% | | | | |
| K 766.490† | 56223.5 | 25.38 mg/L | 0.021 | 25.38 mg/L | 0.021 0.08% |
| QC value within limits for K 766.490 | Recovery = 101.53% | | | | |
| Li 670.784† | 43197.1 | 0.5223 mg/L | 0.00025 | 0.5223 mg/L | 0.00025 0.05% |
| QC value within limits for Li 670.784 | Recovery = 104.46% | | | | |
| Mg 279.077† | 90251.4 | 5.147 mg/L | 0.0075 | 5.147 mg/L | 0.0075 0.15% |
| QC value within limits for Mg 279.077 | Recovery = 102.94% | | | | |
| Mn 257.610† | 387507.1 | 0.5179 mg/L | 0.00134 | 0.5179 mg/L | 0.00134 0.26% |
| QC value within limits for Mn 257.610 | Recovery = 103.58% | | | | |
| Mo 202.031† | 6563.2 | 0.5073 mg/L | 0.00009 | 0.5073 mg/L | 0.00009 0.02% |
| QC value within limits for Mo 202.031 | Recovery = 101.47% | | | | |
| Na 589.592 | 189626.2 | 24.46 mg/L | 0.162 | 24.46 mg/L | 0.162 0.66% |
| QC value within limits for Na 589.592 | Recovery = 97.84% | | | | |
| Ni 231.604† | 22618.3 | 0.5199 mg/L | 0.00121 | 0.5199 mg/L | 0.00121 0.23% |
| QC value within limits for Ni 231.604 | Recovery = 103.98% | | | | |
| P 214.914† | 5668.7 | 5.070 mg/L | 0.0124 | 5.070 mg/L | 0.0124 0.24% |
| QC value within limits for P 214.914 | Recovery = 101.39% | | | | |
| Pb 220.353† | 3629.0 | 0.5178 mg/L | 0.00205 | 0.5178 mg/L | 0.00205 0.40% |
| QC value within limits for Pb 220.353 | Recovery = 103.57% | | | | |
| Sb 206.836† | 925.0 | 0.4910 mg/L | 0.00413 | 0.4910 mg/L | 0.00413 0.84% |
| QC value within limits for Sb 206.836 | Recovery = 98.19% | | | | |
| Se 196.026† | 691.0 | 1.007 mg/L | 0.0002 | 1.007 mg/L | 0.0002 0.02% |
| QC value within limits for Se 196.026 | Recovery = 100.75% | | | | |
| Sn 189.927† | 1699.0 | 0.5066 mg/L | 0.00261 | 0.5066 mg/L | 0.00261 0.52% |
| QC value within limits for Sn 189.927 | Recovery = 101.33% | | | | |
| Sr 407.771† | 1028230.1 | 0.0511 mg/L | 0.00003 | 0.0511 mg/L | 0.00003 0.06% |
| QC value within limits for Sr 407.771 | Recovery = 102.13% | | | | |
| Ti 337.279† | 354587.5 | 0.5148 mg/L | 0.00209 | 0.5148 mg/L | 0.00209 0.41% |
| QC value within limits for Ti 337.279 | Recovery = 102.97% | | | | |
| Tl 190.801† | 587.0 | 0.5775 mg/L | 0.00009 | 0.5775 mg/L | 0.00009 0.02% |
| QC value greater than the upper limit for Tl 190.801 | Recovery = 115.51% | | | | |
| V 292.402† | 102123.1 | 0.5191 mg/L | 0.00075 | 0.5191 mg/L | 0.00075 0.15% |
| QC value within limits for V 292.402 | Recovery = 103.81% | | | | |
| Zn 213.857† | 46296.8 | 0.6014 mg/L | 0.00372 | 0.6014 mg/L | 0.00372 0.62% |
| QC value greater than the upper limit for Zn 213.857 | Recovery = 120.28% | | | | |
| QC Failed. Continue with analysis. | | | | | |

Sequence No.: 14

Sample ID: ICCB

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 1

Date Collected: 8/14/2006 6:14:19 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: ICCB

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. Units | Sample Conc. Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------------------|--------------------|---------------|
| 1 | K 766.490† | -409.0 | 0.8 | 0.6206 mg/L | 0.6206 mg/L | 18:15:52 |
| 1 | Li 670.784† | -169.9 | -49.3 | 0.0094 mg/L | 0.0094 mg/L | 18:15:52 |
| 1 | Na 589.592 | 232.9 | -83.7 | 0.1716 mg/L | 0.1716 mg/L | 18:15:52 |
| 1 | Y 371.029 | 3204530.2 | 3204530.2 | 0.986 mg/L | | 18:16:07 |
| 1 | Ag 328.068† | -1411.7 | 314.8 | 0.0014 mg/L | 0.0014 mg/L | 18:16:13 |
| 1 | Al 237.313† | -193.7 | -9.1 | -0.0021 mg/L | -0.0021 mg/L | 18:16:13 |
| 1 | As 188.979† | 5.6 | 1.3 | 0.0027 mg/L | 0.0027 mg/L | 18:16:33 |
| 1 | B 182.528† | 0.6 | 3.8 | 0.0136 mg/L | 0.0136 mg/L | 18:16:33 |

| | | | | | | |
|---|-------------|-----------|-----------|--------------|--------------|----------|
| 1 | Ba 233.527† | -86.3 | 6.0 | -0.0011 mg/L | -0.0011 mg/L | 18:16:33 |
| 1 | Be 313.107† | 1180.6 | 175.3 | -0.0001 mg/L | -0.0001 mg/L | 18:16:13 |
| 1 | Ca 315.886† | 770.0 | 108.0 | -0.0220 mg/L | -0.0220 mg/L | 18:16:13 |
| 1 | Cd 228.802† | 150.1 | 4.6 | -0.0010 mg/L | -0.0010 mg/L | 18:16:33 |
| 1 | Co 228.616† | -72.9 | -5.8 | -0.0039 mg/L | -0.0039 mg/L | 18:16:33 |
| 1 | Cr 267.716† | 1668.9 | -11.2 | -0.0015 mg/L | -0.0015 mg/L | 18:16:13 |
| 1 | Cu 324.752† | 23715.2 | 21911.3 | 0.0927 mg/L | 0.0927 mg/L | 18:16:13 |
| 1 | Fe 234.349† | 4089.2 | 2551.8 | 0.0463 mg/L | 0.0463 mg/L | 18:16:13 |
| 1 | Fe 238.204† | 6283.9 | 5541.4 | 0.0486 mg/L | 0.0486 mg/L | 18:16:13 |
| 1 | Mg 279.077† | 275.8 | 157.1 | -0.0095 mg/L | -0.0095 mg/L | 18:16:13 |
| 1 | Mn 257.610† | 1211.7 | -375.4 | -0.0033 mg/L | -0.0033 mg/L | 18:16:13 |
| 1 | Mo 202.031† | 82.5 | 41.2 | 0.0022 mg/L | 0.0022 mg/L | 18:16:33 |
| 1 | Ni 231.604† | 827.2 | 156.4 | 0.0000 mg/L | 0.0000 mg/L | 18:16:13 |
| 1 | P 214.914† | 83.7 | 16.4 | 0.0290 mg/L | 0.0290 mg/L | 18:16:33 |
| 1 | Pb 220.353† | -104.4 | 19.7 | 0.0011 mg/L | 0.0011 mg/L | 18:16:33 |
| 1 | Sb 206.836† | 34.0 | -1.1 | -0.0017 mg/L | -0.0017 mg/L | 18:16:33 |
| 1 | Se 196.026† | -9.4 | -4.8 | -0.0063 mg/L | -0.0063 mg/L | 18:16:33 |
| 1 | Sn 189.927† | 68.9 | 8.4 | -0.0048 mg/L | -0.0048 mg/L | 18:16:33 |
| 1 | Sr 407.771† | -217.0 | 77.3 | -0.0002 mg/L | -0.0002 mg/L | 18:16:07 |
| 1 | Ti 337.279† | -1412.8 | 140.5 | -0.0006 mg/L | -0.0006 mg/L | 18:16:13 |
| 1 | Tl 190.801† | -13.6 | 5.4 | 0.0197 mg/L | 0.0197 mg/L | 18:16:33 |
| 1 | V 292.402† | -1195.6 | 26.5 | -0.0001 mg/L | -0.0001 mg/L | 18:16:13 |
| 1 | Zn 213.857† | 5991.7 | 5348.5 | 0.0670 mg/L | 0.0670 mg/L | 18:16:13 |
| 2 | K 766.490† | -407.8 | 3.0 | 0.6215 mg/L | 0.6215 mg/L | 18:15:57 |
| 2 | Li 670.784† | -140.7 | -19.4 | 0.0098 mg/L | 0.0098 mg/L | 18:15:57 |
| 2 | Na 589.592 | 259.2 | -57.4 | 0.1750 mg/L | 0.1750 mg/L | 18:15:57 |
| 2 | Y 371.029 | 3211273.7 | 3211273.7 | 0.988 mg/L | | 18:16:39 |
| 2 | Ag 328.068† | -1522.0 | 206.2 | 0.0010 mg/L | 0.0010 mg/L | 18:16:44 |
| 2 | Al 237.313† | -198.4 | -13.3 | -0.0027 mg/L | -0.0027 mg/L | 18:16:44 |
| 2 | As 188.979† | 7.3 | 3.0 | 0.0055 mg/L | 0.0055 mg/L | 18:17:04 |
| 2 | B 182.528† | 4.6 | 7.9 | 0.0222 mg/L | 0.0222 mg/L | 18:17:04 |
| 2 | Ba 233.527† | -91.0 | 1.5 | -0.0012 mg/L | -0.0012 mg/L | 18:17:04 |
| 2 | Be 313.107† | 1141.1 | 132.7 | -0.0001 mg/L | -0.0001 mg/L | 18:16:44 |
| 2 | Ca 315.886† | 831.0 | 168.0 | -0.0215 mg/L | -0.0215 mg/L | 18:16:44 |
| 2 | Cd 228.802† | 157.4 | 11.7 | -0.0008 mg/L | -0.0008 mg/L | 18:17:04 |
| 2 | Co 228.616† | -60.5 | 6.8 | -0.0035 mg/L | -0.0035 mg/L | 18:17:04 |
| 2 | Cr 267.716† | 1685.1 | 1.7 | -0.0014 mg/L | -0.0014 mg/L | 18:16:44 |
| 2 | Cu 324.752† | 22699.8 | 20833.3 | 0.0880 mg/L | 0.0880 mg/L | 18:16:44 |
| 2 | Fe 234.349† | 4044.8 | 2498.1 | 0.0451 mg/L | 0.0451 mg/L | 18:16:44 |
| 2 | Fe 238.204† | 6106.6 | 5348.6 | 0.0466 mg/L | 0.0466 mg/L | 18:16:44 |
| 2 | Mg 279.077† | 267.3 | 147.9 | -0.0101 mg/L | -0.0101 mg/L | 18:16:44 |
| 2 | Mn 257.610† | 1141.7 | -448.9 | -0.0034 mg/L | -0.0034 mg/L | 18:16:44 |
| 2 | Mo 202.031† | 73.3 | 31.8 | 0.0015 mg/L | 0.0015 mg/L | 18:17:04 |
| 2 | Ni 231.604† | 805.2 | 132.3 | -0.0005 mg/L | -0.0005 mg/L | 18:16:44 |
| 2 | P 214.914† | 88.7 | 21.3 | 0.0334 mg/L | 0.0334 mg/L | 18:17:04 |
| 2 | Pb 220.353† | -103.0 | 21.3 | 0.0013 mg/L | 0.0013 mg/L | 18:17:04 |
| 2 | Sb 206.836† | 28.7 | -6.6 | -0.0047 mg/L | -0.0047 mg/L | 18:17:04 |
| 2 | Se 196.026† | -2.4 | 2.3 | 0.0041 mg/L | 0.0041 mg/L | 18:17:04 |
| 2 | Sn 189.927† | 57.0 | -3.8 | -0.0084 mg/L | -0.0084 mg/L | 18:17:04 |
| 2 | Sr 407.771† | -332.3 | -38.9 | -0.0002 mg/L | -0.0002 mg/L | 18:16:39 |
| 2 | Ti 337.279† | -1331.9 | 225.4 | -0.0005 mg/L | -0.0005 mg/L | 18:16:44 |
| 2 | Tl 190.801† | -17.3 | 1.6 | 0.0162 mg/L | 0.0162 mg/L | 18:17:04 |
| 2 | V 292.402† | -1246.1 | -22.1 | -0.0004 mg/L | -0.0004 mg/L | 18:16:44 |
| 2 | Zn 213.857† | 5854.3 | 5196.7 | 0.0650 mg/L | 0.0650 mg/L | 18:16:44 |

Mean Data: ICCB

| Analyte | Mean Corrected Intensity | Calib Conc. Units | Std.Dev. | Sample Conc. Units | Std.Dev. | RSD |
|---|--------------------------|-------------------|----------|--------------------|----------|--------|
| Y 371.029 | 3207901.9 | 0.987 mg/L | 0.0015 | | | 0.15% |
| Ag 328.068† | 260.5 | 0.0012 mg/L | 0.00030 | 0.0012 mg/L | 0.00030 | 24.51% |
| QC value within limits for Ag 328.068 Recovery = Not calculated | | | | | | |
| Al 237.313† | -11.2 | -0.0024 mg/L | 0.00044 | -0.0024 mg/L | 0.00044 | 18.22% |
| QC value within limits for Al 237.313 Recovery = Not calculated | | | | | | |
| As 188.979† | 2.1 | 0.0041 mg/L | 0.00196 | 0.0041 mg/L | 0.00196 | 47.79% |
| QC value within limits for As 188.979 Recovery = Not calculated | | | | | | |
| B 182.528† | 5.9 | 0.0179 mg/L | 0.00610 | 0.0179 mg/L | 0.00610 | 34.06% |
| QC value within limits for B 182.528 Recovery = Not calculated | | | | | | |
| Ba 233.527† | 3.7 | -0.0011 mg/L | 0.00004 | -0.0011 mg/L | 0.00004 | 3.14% |
| QC value within limits for Ba 233.527 Recovery = Not calculated | | | | | | |
| Be 313.107† | 154.0 | -0.0001 mg/L | 0.00001 | -0.0001 mg/L | 0.00001 | 11.49% |
| QC value within limits for Be 313.107 Recovery = Not calculated | | | | | | |

| | | | | | | |
|--|---------|--------------|---------|--------------|---------|---------|
| Ca 315.886† | 138.0 | -0.0217 mg/L | 0.00036 | -0.0217 mg/L | 0.00036 | 1.64% |
| QC value less than the lower limit for Ca 315.886 Recovery = Not calculated | | | | | | |
| Cd 228.802† | 8.2 | -0.0009 mg/L | 0.00012 | -0.0009 mg/L | 0.00012 | 13.59% |
| QC value within limits for Cd 228.802 Recovery = Not calculated | | | | | | |
| Co 228.616† | 0.5 | -0.0037 mg/L | 0.00027 | -0.0037 mg/L | 0.00027 | 7.41% |
| QC value less than the lower limit for Co 228.616 Recovery = Not calculated | | | | | | |
| Cr 267.716† | -4.8 | -0.0014 mg/L | 0.00007 | -0.0014 mg/L | 0.00007 | 5.05% |
| QC value within limits for Cr 267.716 Recovery = Not calculated | | | | | | |
| Cu 324.752† | 21372.3 | 0.0904 mg/L | 0.00332 | 0.0904 mg/L | 0.00332 | 3.68% |
| QC value greater than the upper limit for Cu 324.752 Recovery = Not calculated | | | | | | |
| Fe 234.349† | 2525.0 | 0.0457 mg/L | 0.00085 | 0.0457 mg/L | 0.00085 | 1.85% |
| QC value greater than the upper limit for Fe 234.349 Recovery = Not calculated | | | | | | |
| Fe 238.204† | 5445.0 | 0.0476 mg/L | 0.00144 | 0.0476 mg/L | 0.00144 | 3.03% |
| QC value greater than the upper limit for Fe 238.204 Recovery = Not calculated | | | | | | |
| K 766.490† | 1.9 | 0.6211 mg/L | 0.00067 | 0.6211 mg/L | 0.00067 | 0.11% |
| QC value greater than the upper limit for K 766.490 Recovery = Not calculated | | | | | | |
| Li 670.784† | -34.3 | 0.0096 mg/L | 0.00025 | 0.0096 mg/L | 0.00025 | 2.61% |
| QC value within limits for Li 670.784 Recovery = Not calculated | | | | | | |
| Mg 279.077† | 152.5 | -0.0098 mg/L | 0.00037 | -0.0098 mg/L | 0.00037 | 3.82% |
| QC value less than the lower limit for Mg 279.077 Recovery = Not calculated | | | | | | |
| Mn 257.610† | -412.2 | -0.0033 mg/L | 0.00007 | -0.0033 mg/L | 0.00007 | 2.09% |
| QC value within limits for Mn 257.610 Recovery = Not calculated | | | | | | |
| Mo 202.031† | 36.5 | 0.0018 mg/L | 0.00052 | 0.0018 mg/L | 0.00052 | 28.10% |
| QC value within limits for Mo 202.031 Recovery = Not calculated | | | | | | |
| Na 589.592 | -70.6 | 0.1733 mg/L | 0.00238 | 0.1733 mg/L | 0.00238 | 1.37% |
| QC value within limits for Na 589.592 Recovery = Not calculated | | | | | | |
| Ni 231.604† | 144.3 | -0.0003 mg/L | 0.00039 | -0.0003 mg/L | 0.00039 | 147.19% |
| QC value within limits for Ni 231.604 Recovery = Not calculated | | | | | | |
| P 214.914† | 18.9 | 0.0312 mg/L | 0.00311 | 0.0312 mg/L | 0.00311 | 9.98% |
| QC value within limits for P 214.914 Recovery = Not calculated | | | | | | |
| Pb 220.353† | 20.5 | 0.0012 mg/L | 0.00016 | 0.0012 mg/L | 0.00016 | 14.01% |
| QC value within limits for Pb 220.353 Recovery = Not calculated | | | | | | |
| Sb 206.836† | -3.8 | -0.0032 mg/L | 0.00211 | -0.0032 mg/L | 0.00211 | 65.19% |
| QC value within limits for Sb 206.836 Recovery = Not calculated | | | | | | |
| Se 196.026† | -1.2 | -0.0011 mg/L | 0.00732 | -0.0011 mg/L | 0.00732 | 656.55% |
| QC value within limits for Se 196.026 Recovery = Not calculated | | | | | | |
| Sn 189.927† | 2.3 | -0.0066 mg/L | 0.00260 | -0.0066 mg/L | 0.00260 | 39.40% |
| QC value within limits for Sn 189.927 Recovery = Not calculated | | | | | | |
| Sr 407.771† | 19.2 | -0.0002 mg/L | 0.00000 | -0.0002 mg/L | 0.00000 | 2.02% |
| QC value within limits for Sr 407.771 Recovery = Not calculated | | | | | | |
| Ti 337.279† | 182.9 | -0.0005 mg/L | 0.00009 | -0.0005 mg/L | 0.00009 | 16.82% |
| QC value within limits for Ti 337.279 Recovery = Not calculated | | | | | | |
| Tl 190.801† | 3.5 | 0.0179 mg/L | 0.00251 | 0.0179 mg/L | 0.00251 | 13.99% |
| QC value within limits for Tl 190.801 Recovery = Not calculated | | | | | | |
| V 292.402† | 2.2 | -0.0003 mg/L | 0.00018 | -0.0003 mg/L | 0.00018 | 69.67% |
| QC value within limits for V 292.402 Recovery = Not calculated | | | | | | |
| Zn 213.857† | 5272.6 | 0.0660 mg/L | 0.00141 | 0.0660 mg/L | 0.00141 | 2.13% |
| QC value greater than the upper limit for Zn 213.857 Recovery = Not calculated | | | | | | |
| QC Failed. Continue with analysis. | | | | | | |

Sequence No.: 15
 Sample ID: 0608248-05
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 19
 Date Collected: 8/14/2006 6:18:42 PM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Replicate Data: 0608248-05

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. Units | Sample Conc. Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------------------|--------------------|---------------|
| 1 | K 766.490† | 14995.6 | 15759.9 | 7.561 mg/L | 7.561 mg/L | 18:20:21 |
| 1 | Li 670.784† | 7405.3 | 7700.5 | 0.1013 mg/L | 0.1013 mg/L | 18:20:21 |
| 1 | Na 589.592 | 43409.8 | 43093.2 | 5.699 mg/L | 5.699 mg/L | 18:20:21 |
| 1 | Y 371.029 | 3175769.9 | 3175769.9 | 0.977 mg/L | | 18:20:50 |
| 1 | Ag 328.068† | 241841.7 | 249211.7 | 0.9893 mg/L | 0.9893 mg/L | 18:20:55 |
| 1 | Al 237.313† | 551528.2 | 564540.5 | 80.90 mg/L | 80.90 mg/L | 18:20:50 |
| 1 | As 188.979† | 79.6 | 77.1 | 0.1207 mg/L | 0.1207 mg/L | 18:21:16 |
| 1 | B 182.528† | 22.4 | 26.2 | 0.0612 mg/L | 0.0612 mg/L | 18:21:16 |
| 1 | Ba 233.527† | 192842.6 | 197420.4 | 2.223 mg/L | 2.223 mg/L | 18:20:55 |
| 1 | Be 313.107† | 19821.2 | 19260.2 | 0.0033 mg/L | 0.0033 mg/L | 18:20:55 |
| 1 | Ca 315.886† | 6213611.7 | 6357427.3 | 53.52 mg/L | 53.52 mg/L | 18:20:50 |

| | | | | | | |
|---|-------------|------------|------------|--------------|--------------|----------|
| 1 | Cd 228.802† | 1423.7 | 1309.2 | 0.0347 mg/L | 0.0347 mg/L | 18:21:16 |
| 1 | Co 228.616† | 2007.7 | 2122.5 | 0.0522 mg/L | 0.0522 mg/L | 18:21:16 |
| 1 | Cr 267.716† | 55226.7 | 54807.3 | 0.4470 mg/L | 0.4470 mg/L | 18:20:55 |
| 1 | Cu 324.752† | 2003994.6 | 2048456.9 | 8.987 mg/L | 8.987 mg/L | 18:20:50 |
| 1 | Fe 234.349† | 13729595.3 | 14047262.1 | 315.0 mg/L | 315.0 mg/L | 18:20:41 |
| 1 | Fe 238.204† | 24191859.2 | 24753574.7 | 262.2 mg/L | 262.2 mg/L | 18:20:41 |
| 1 | Mg 279.077† | 362903.0 | 371219.2 | 21.12 mg/L | 21.12 mg/L | 18:20:55 |
| 1 | Mn 257.610† | 2692044.2 | 2753039.5 | 3.696 mg/L | 3.696 mg/L | 18:20:50 |
| 1 | Mo 202.031† | 290.7 | 255.1 | 0.0188 mg/L | 0.0188 mg/L | 18:20:55 |
| 1 | Ni 231.604† | 20879.7 | 20682.8 | 0.4746 mg/L | 0.4746 mg/L | 18:20:55 |
| 1 | P 214.914† | 10375.1 | 10547.9 | 9.421 mg/L | 9.421 mg/L | 18:21:16 |
| 1 | Pb 220.353† | 73724.8 | 75564.7 | 10.79 mg/L | 10.79 mg/L | 18:20:55 |
| 1 | Sb 206.836† | 3.0 | -32.5 | -0.0305 mg/L | -0.0305 mg/L | 18:21:16 |
| 1 | Se 196.026† | 2.0 | 6.9 | 0.0106 mg/L | 0.0106 mg/L | 18:21:16 |
| 1 | Sn 189.927† | 1778.0 | 1757.9 | 0.5407 mg/L | 0.5407 mg/L | 18:21:16 |
| 1 | Sr 407.771† | 3205872.1 | 3280717.3 | 0.1634 mg/L | 0.1634 mg/L | 18:20:50 |
| 1 | Ti 337.279† | 2788491.9 | 2854907.4 | 4.151 mg/L | 4.151 mg/L | 18:20:50 |
| 1 | Tl 190.801† | -49.9 | -31.9 | 0.0381 mg/L | 0.0381 mg/L | 18:21:16 |
| 1 | V 292.402† | 82856.6 | 86022.2 | 0.3849 mg/L | 0.3849 mg/L | 18:20:55 |
| 1 | Zn 213.857† | 613156.2 | 626686.7 | 8.186 mg/L | 8.186 mg/L | 18:20:50 |
| 2 | K 766.490† | 14871.1 | 15469.0 | 7.433 mg/L | 7.433 mg/L | 18:20:26 |
| 2 | Li 670.784† | 7346.1 | 7559.1 | 0.0997 mg/L | 0.0997 mg/L | 18:20:26 |
| 2 | Na 589.592 | 42928.1 | 42611.4 | 5.638 mg/L | 5.638 mg/L | 18:20:26 |
| 2 | Y 371.029 | 3210276.3 | 3210276.3 | 0.988 mg/L | 0.988 mg/L | 18:21:36 |
| 2 | Ag 328.068† | 241388.6 | 246093.1 | 0.9768 mg/L | 0.9768 mg/L | 18:21:42 |
| 2 | Al 237.313† | 557118.2 | 564133.0 | 80.87 mg/L | 80.87 mg/L | 18:21:36 |
| 2 | As 188.979† | 81.2 | 77.8 | 0.1218 mg/L | 0.1218 mg/L | 18:22:02 |
| 2 | B 182.528† | 20.0 | 23.5 | 0.0555 mg/L | 0.0555 mg/L | 18:22:02 |
| 2 | Ba 233.527† | 192244.9 | 194694.4 | 2.192 mg/L | 2.192 mg/L | 18:21:42 |
| 2 | Be 313.107† | 19817.4 | 19038.3 | 0.0032 mg/L | 0.0032 mg/L | 18:21:42 |
| 2 | Ca 315.886† | 6265842.0 | 6341956.2 | 53.39 mg/L | 53.39 mg/L | 18:21:36 |
| 2 | Cd 228.802† | 1402.2 | 1271.8 | 0.0337 mg/L | 0.0337 mg/L | 18:22:02 |
| 2 | Co 228.616† | 1986.8 | 2079.2 | 0.0509 mg/L | 0.0509 mg/L | 18:22:02 |
| 2 | Cr 267.716† | 55021.8 | 53992.5 | 0.4401 mg/L | 0.4401 mg/L | 18:21:42 |
| 2 | Cu 324.752† | 2027322.1 | 2050029.1 | 8.992 mg/L | 8.992 mg/L | 18:21:36 |
| 2 | Fe 234.349† | 13583087.4 | 13747951.4 | 308.3 mg/L | 308.3 mg/L | 18:21:27 |
| 2 | Fe 238.204† | 23952024.5 | 24244722.4 | 256.8 mg/L | 256.8 mg/L | 18:21:27 |
| 2 | Mg 279.077† | 361429.7 | 365736.4 | 20.81 mg/L | 20.81 mg/L | 18:21:42 |
| 2 | Mn 257.610† | 2716261.6 | 2747944.8 | 3.689 mg/L | 3.689 mg/L | 18:21:36 |
| 2 | Mo 202.031† | 296.0 | 257.2 | 0.0189 mg/L | 0.0189 mg/L | 18:21:42 |
| 2 | Ni 231.604† | 20733.9 | 20305.5 | 0.4659 mg/L | 0.4659 mg/L | 18:21:42 |
| 2 | P 214.914† | 10283.2 | 10340.8 | 9.236 mg/L | 9.236 mg/L | 18:22:02 |
| 2 | Pb 220.353† | 73594.0 | 74621.4 | 10.66 mg/L | 10.66 mg/L | 18:21:42 |
| 2 | Sb 206.836† | -5.6 | -41.3 | -0.0352 mg/L | -0.0352 mg/L | 18:22:02 |
| 2 | Se 196.026† | 7.9 | 12.8 | 0.0193 mg/L | 0.0193 mg/L | 18:22:02 |
| 2 | Sn 189.927† | 1765.9 | 1726.1 | 0.5308 mg/L | 0.5308 mg/L | 18:22:02 |
| 2 | Sr 407.771† | 3239075.7 | 3279067.5 | 0.1633 mg/L | 0.1633 mg/L | 18:21:36 |
| 2 | Ti 337.279† | 2815214.8 | 2851288.0 | 4.145 mg/L | 4.145 mg/L | 18:21:36 |
| 2 | Tl 190.801† | -55.9 | -37.4 | 0.0328 mg/L | 0.0328 mg/L | 18:22:02 |
| 2 | V 292.402† | 82770.8 | 85024.1 | 0.3807 mg/L | 0.3807 mg/L | 18:21:42 |
| 2 | Zn 213.857† | 618916.2 | 625773.4 | 8.175 mg/L | 8.175 mg/L | 18:21:36 |

Mean Data: 0608248-05

| Analyte | Mean Corrected Intensity | Calib Conc. Units | Std.Dev. | Sample Conc. Units | Std.Dev. | RSD |
|-------------|--------------------------|-------------------|----------|--------------------|----------|-------|
| Y 371.029 | 3193023.1 | 0.983 mg/L | 0.0075 | | | 0.76% |
| Ag 328.068† | 247652.4 | 0.9830 mg/L | 0.00883 | 0.9830 mg/L | 0.00883 | 0.90% |
| Al 237.313† | 564336.8 | 80.89 mg/L | 0.021 | 80.89 mg/L | 0.021 | 0.03% |
| As 188.979† | 77.4 | 0.1213 mg/L | 0.00077 | 0.1213 mg/L | 0.00077 | 0.63% |
| B 182.528† | 24.8 | 0.0584 mg/L | 0.00406 | 0.0584 mg/L | 0.00406 | 6.96% |
| Ba 233.527† | 196057.4 | 2.207 mg/L | 0.0217 | 2.207 mg/L | 0.0217 | 0.98% |
| Be 313.107† | 19149.2 | 0.0033 mg/L | 0.00007 | 0.0033 mg/L | 0.00007 | 2.06% |
| Ca 315.886† | 6349691.7 | 53.45 mg/L | 0.092 | 53.45 mg/L | 0.092 | 0.17% |
| Cd 228.802† | 1290.5 | 0.0342 mg/L | 0.00073 | 0.0342 mg/L | 0.00073 | 2.13% |
| Co 228.616† | 2100.9 | 0.0516 mg/L | 0.00093 | 0.0516 mg/L | 0.00093 | 1.80% |
| Cr 267.716† | 54399.9 | 0.4436 mg/L | 0.00482 | 0.4436 mg/L | 0.00482 | 1.09% |
| Cu 324.752† | 2049243.0 | 8.990 mg/L | 0.0040 | 8.990 mg/L | 0.0040 | 0.04% |
| Fe 234.349† | 13897606.8 | 311.7 mg/L | 4.75 | 311.7 mg/L | 4.75 | 1.52% |
| Fe 238.204† | 24499148.5 | 259.5 mg/L | 3.81 | 259.5 mg/L | 3.81 | 1.47% |
| K 766.490† | 15614.4 | 7.497 mg/L | 0.0906 | 7.497 mg/L | 0.0906 | 1.21% |
| Li 670.784† | 7629.8 | 0.1005 mg/L | 0.00119 | 0.1005 mg/L | 0.00119 | 1.18% |

| | | | | | | |
|-------------|-----------|--------------|---------|--------------|---------|--------|
| Mg 279.077† | 368477.8 | 20.97 mg/L | 0.220 | 20.97 mg/L | 0.220 | 1.05% |
| Mn 257.610† | 2750492.2 | 3.693 mg/L | 0.0048 | 3.693 mg/L | 0.0048 | 0.13% |
| Mo 202.031† | 256.1 | 0.0188 mg/L | 0.00012 | 0.0188 mg/L | 0.00012 | 0.63% |
| Na 589.592 | 42852.3 | 5.669 mg/L | 0.0436 | 5.669 mg/L | 0.0436 | 0.77% |
| Ni 231.604† | 20494.1 | 0.4702 mg/L | 0.00617 | 0.4702 mg/L | 0.00617 | 1.31% |
| P 214.914† | 10444.4 | 9.329 mg/L | 0.1306 | 9.329 mg/L | 0.1306 | 1.40% |
| Pb 220.353† | 75093.1 | 10.72 mg/L | 0.095 | 10.72 mg/L | 0.095 | 0.89% |
| Sb 206.836† | -36.9 | -0.0328 mg/L | 0.00329 | -0.0328 mg/L | 0.00329 | 10.01% |
| Se 196.026† | 9.8 | 0.0150 mg/L | 0.00612 | 0.0150 mg/L | 0.00612 | 40.94% |
| Sn 189.927† | 1742.0 | 0.5358 mg/L | 0.00699 | 0.5358 mg/L | 0.00699 | 1.30% |
| Sr 407.771† | 3279892.4 | 0.1633 mg/L | 0.00006 | 0.1633 mg/L | 0.00006 | 0.04% |
| Ti 337.279† | 2853097.7 | 4.148 mg/L | 0.0037 | 4.148 mg/L | 0.0037 | 0.09% |
| Tl 190.801† | -34.7 | 0.0355 mg/L | 0.00374 | 0.0355 mg/L | 0.00374 | 10.55% |
| V 292.402† | 85523.1 | 0.3828 mg/L | 0.00291 | 0.3828 mg/L | 0.00291 | 0.76% |
| Zn 213.857† | 626230.1 | 8.181 mg/L | 0.0080 | 8.181 mg/L | 0.0080 | 0.10% |

User canceled analysis.

=====
 Analysis Begun

Start Time: 8/14/2006 6:22:57 PM Plasma On Time: 8/14/2006 10:15:34 AM
 Logged In Analyst: ICP3 Technique: ICP Continuous
 Spectrometer Model: Optima 4300 DV, S/N 077N1032302 Autosampler Model: AS-91

Sample Information File: C:\pe\Administrator\Sample Information\081406NA.sif
 Batch ID: 081406na
 Results Data Set: 081406NAD
 Results Library: Q:\Metals\Results\ICP3\Results2\Results.mdb

=====
 Sequence No.: 1 Autosampler Location: 3
 Sample ID: CCV Date Collected: 8/14/2006 6:22:57 PM
 Analyst: Data Type: Original
 Initial Sample Wt: Initial Sample Vol:
 Dilution: Sample Prep Vol:
 User canceled analysis.

=====
 Analysis Begun

Start Time: 8/14/2006 6:23:34 PM Plasma On Time: 8/14/2006 10:15:34 AM
 Logged In Analyst: ICP3 Technique: ICP Continuous
 Spectrometer Model: Optima 4300 DV, S/N 077N1032302 Autosampler Model: AS-91

Sample Information File: C:\pe\Administrator\Sample Information\081406NA.sif
 Batch ID: 081406na
 Results Data Set: 081406NAD
 Results Library: Q:\Metals\Results\ICP3\Results2\Results.mdb

=====
 Sequence No.: 16 Autosampler Location: 20
 Sample ID: 0608248-06 Date Collected: 8/14/2006 6:23:34 PM
 Analyst: Data Type: Original
 Initial Sample Wt: Initial Sample Vol:
 Dilution: Sample Prep Vol:

 Replicate Data: 0608248-06

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. Units | Sample Conc. Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------------------|--------------------|---------------|
| 1 | K 766.490† | 8788.2 | 9297.4 | 4.715 mg/L | 4.715 mg/L | 18:25:09 |
| 1 | Li 670.784† | 3945.4 | 4110.5 | 0.0588 mg/L | 0.0588 mg/L | 18:25:09 |
| 1 | Na 589.592 | 39831.4 | 39514.8 | 5.241 mg/L | 5.241 mg/L | 18:25:09 |
| 1 | Y 371.029 | 3215343.1 | 3215343.1 | 0.989 mg/L | | 18:25:32 |
| 1 | Ag 328.068† | 22632.9 | 24620.5 | 0.1021 mg/L | 0.1021 mg/L | 18:25:38 |
| 1 | Al 237.313† | 292407.5 | 295711.8 | 42.52 mg/L | 42.52 mg/L | 18:25:32 |
| 1 | As 188.979† | 35.4 | 31.4 | 0.0486 mg/L | 0.0486 mg/L | 18:25:58 |
| 1 | B 182.528† | 8.5 | 11.8 | 0.0306 mg/L | 0.0306 mg/L | 18:25:58 |
| 1 | Ba 233.527† | 23314.0 | 23656.0 | 0.2652 mg/L | 0.2652 mg/L | 18:25:38 |
| 1 | Be 313.107† | 11280.9 | 10379.2 | 0.0011 mg/L | 0.0011 mg/L | 18:25:38 |
| 1 | Ca 315.886† | 1034926.4 | 1045285.6 | 8.780 mg/L | 8.780 mg/L | 18:25:32 |
| 1 | Cd 228.802† | 387.8 | 244.3 | 0.0061 mg/L | 0.0061 mg/L | 18:25:58 |
| 1 | Co 228.616† | 972.0 | 1050.5 | 0.0227 mg/L | 0.0227 mg/L | 18:25:58 |
| 1 | Cr 267.716† | 24960.9 | 23523.4 | 0.1910 mg/L | 0.1910 mg/L | 18:25:38 |
| 1 | Cu 324.752† | 473198.8 | 476105.4 | 2.099 mg/L | 2.099 mg/L | 18:25:32 |
| 1 | Fe 234.349† | 5914922.0 | 5976378.6 | 134.0 mg/L | 134.0 mg/L | 18:25:25 |
| 1 | Fe 238.204† | 11615236.2 | 11738220.6 | 124.3 mg/L | 124.3 mg/L | 18:25:25 |
| 1 | Mg 279.077† | 185266.4 | 187118.7 | 10.64 mg/L | 10.64 mg/L | 18:25:32 |
| 1 | Mn 257.610† | 1112494.7 | 1122749.4 | 1.506 mg/L | 1.506 mg/L | 18:25:32 |
| 1 | Mo 202.031† | 122.0 | 81.0 | 0.0053 mg/L | 0.0053 mg/L | 18:25:38 |
| 1 | Ni 231.604† | 6082.3 | 5464.7 | 0.1228 mg/L | 0.1228 mg/L | 18:25:38 |
| 1 | P 214.914† | 6233.3 | 6231.2 | 5.571 mg/L | 5.571 mg/L | 18:25:58 |
| 1 | Pb 220.353† | 10991.8 | 11234.5 | 1.604 mg/L | 1.604 mg/L | 18:25:38 |
| 1 | Sb 206.836† | 14.4 | -21.1 | -0.0189 mg/L | -0.0189 mg/L | 18:25:58 |
| 1 | Se 196.026† | -2.4 | 2.3 | 0.0040 mg/L | 0.0040 mg/L | 18:25:58 |
| 1 | Sn 189.927† | 706.3 | 652.4 | 0.1979 mg/L | 0.1979 mg/L | 18:25:58 |
| 1 | Sr 407.771† | 815951.0 | 824946.1 | 0.0409 mg/L | 0.0409 mg/L | 18:25:32 |
| 1 | Ti 337.279† | 1825884.3 | 1846920.9 | 2.685 mg/L | 2.685 mg/L | 18:25:32 |

| | | | | | | |
|---|-------------|------------|------------|--------------|--------------|----------|
| 1 | Tl 190.801† | -40.5 | -21.8 | 0.0143 mg/L | 0.0143 mg/L | 18:25:58 |
| 1 | V 292.402† | 21992.2 | 23465.5 | 0.0965 mg/L | 0.0965 mg/L | 18:25:38 |
| 1 | Zn 213.857† | 169101.7 | 170176.8 | 2.217 mg/L | 2.217 mg/L | 18:25:32 |
| 2 | K 766.490† | 8813.6 | 9374.1 | 4.749 mg/L | 4.749 mg/L | 18:25:14 |
| 2 | Li 670.784† | 3935.3 | 4123.0 | 0.0589 mg/L | 0.0589 mg/L | 18:25:14 |
| 2 | Na 589.592 | 39987.1 | 39670.5 | 5.261 mg/L | 5.261 mg/L | 18:25:14 |
| 2 | Y 371.029 | 3197052.5 | 3197052.5 | 0.984 mg/L | | 18:26:13 |
| 2 | Ag 328.068† | 22575.6 | 24693.1 | 0.1024 mg/L | 0.1024 mg/L | 18:26:18 |
| 2 | Al 237.313† | 290247.5 | 295207.0 | 42.44 mg/L | 42.44 mg/L | 18:26:13 |
| 2 | As 188.979† | 32.9 | 29.0 | 0.0448 mg/L | 0.0448 mg/L | 18:26:38 |
| 2 | B 182.528† | 4.1 | 7.5 | 0.0213 mg/L | 0.0213 mg/L | 18:26:38 |
| 2 | Ba 233.527† | 23205.2 | 23680.3 | 0.2655 mg/L | 0.2655 mg/L | 18:26:18 |
| 2 | Be 313.107† | 11294.4 | 10458.1 | 0.0012 mg/L | 0.0012 mg/L | 18:26:18 |
| 2 | Ca 315.886† | 1026563.5 | 1042769.2 | 8.759 mg/L | 8.759 mg/L | 18:26:13 |
| 2 | Cd 228.802† | 378.0 | 236.6 | 0.0059 mg/L | 0.0059 mg/L | 18:26:38 |
| 2 | Co 228.616† | 980.4 | 1064.6 | 0.0231 mg/L | 0.0231 mg/L | 18:26:38 |
| 2 | Cr 267.716† | 25004.9 | 23712.5 | 0.1926 mg/L | 0.1926 mg/L | 18:26:18 |
| 2 | Cu 324.752† | 469266.4 | 474844.4 | 2.094 mg/L | 2.094 mg/L | 18:26:13 |
| 2 | Fe 234.349† | 5931502.9 | 6027432.6 | 135.2 mg/L | 135.2 mg/L | 18:26:05 |
| 2 | Fe 238.204† | 11647904.2 | 11838585.7 | 125.4 mg/L | 125.4 mg/L | 18:26:05 |
| 2 | Mg 279.077† | 183862.4 | 186762.8 | 10.62 mg/L | 10.62 mg/L | 18:26:13 |
| 2 | Mn 257.610† | 1103977.6 | 1120524.8 | 1.503 mg/L | 1.503 mg/L | 18:26:13 |
| 2 | Mo 202.031† | 108.4 | 67.8 | 0.0043 mg/L | 0.0043 mg/L | 18:26:18 |
| 2 | Ni 231.604† | 6031.3 | 5448.0 | 0.1224 mg/L | 0.1224 mg/L | 18:26:18 |
| 2 | P 214.914† | 6245.1 | 6279.3 | 5.614 mg/L | 5.614 mg/L | 18:26:38 |
| 2 | Pb 220.353† | 10894.4 | 11199.1 | 1.599 mg/L | 1.599 mg/L | 18:26:18 |
| 2 | Sb 206.836† | 16.6 | -18.7 | -0.0176 mg/L | -0.0176 mg/L | 18:26:38 |
| 2 | Se 196.026† | 0.0 | 4.8 | 0.0077 mg/L | 0.0077 mg/L | 18:26:38 |
| 2 | Sn 189.927† | 719.2 | 669.6 | 0.2032 mg/L | 0.2032 mg/L | 18:26:38 |
| 2 | Sr 407.771† | 810396.4 | 824018.1 | 0.0409 mg/L | 0.0409 mg/L | 18:26:13 |
| 2 | Ti 337.279† | 1812587.8 | 1843963.1 | 2.681 mg/L | 2.681 mg/L | 18:26:13 |
| 2 | Tl 190.801† | -30.2 | -11.6 | 0.0240 mg/L | 0.0240 mg/L | 18:26:38 |
| 2 | V 292.402† | 21755.0 | 23351.6 | 0.0957 mg/L | 0.0957 mg/L | 18:26:18 |
| 2 | Zn 213.857† | 167729.0 | 169759.2 | 2.211 mg/L | 2.211 mg/L | 18:26:13 |

Mean Data: 0608248-06

| Analyte | Mean Corrected Intensity | Conc. Units | Calib | Std.Dev. | Sample Conc. Units | Std.Dev. | RSD |
|-------------|--------------------------|--------------|-------|----------|--------------------|----------|--------|
| Y 371.029 | 3206197.8 | 0.987 mg/L | | 0.0040 | | | |
| Ag 328.068† | 24656.8 | 0.1022 mg/L | | 0.00023 | 0.1022 mg/L | 0.00023 | 0.40% |
| Al 237.313† | 295459.4 | 42.48 mg/L | | 0.056 | 42.48 mg/L | 0.056 | 0.23% |
| As 188.979† | 30.2 | 0.0467 mg/L | | 0.00270 | 0.0467 mg/L | 0.00270 | 0.13% |
| B 182.528† | 9.6 | 0.0260 mg/L | | 0.00662 | 0.0260 mg/L | 0.00662 | 5.78% |
| Ba 233.527† | 23668.2 | 0.2654 mg/L | | 0.00019 | 0.2654 mg/L | 0.00019 | 25.48% |
| Be 313.107† | 10418.7 | 0.0011 mg/L | | 0.00002 | 0.0011 mg/L | 0.00002 | 0.07% |
| Ca 315.886† | 1044027.4 | 8.770 mg/L | | 0.0150 | 8.770 mg/L | 0.0150 | 1.95% |
| Cd 228.802† | 240.5 | 0.0060 mg/L | | 0.00012 | 0.0060 mg/L | 0.00012 | 0.17% |
| Co 228.616† | 1057.5 | 0.0229 mg/L | | 0.00031 | 0.0229 mg/L | 0.00031 | 1.97% |
| Cr 267.716† | 23617.9 | 0.1918 mg/L | | 0.00110 | 0.1918 mg/L | 0.00110 | 1.37% |
| Cu 324.752† | 475474.9 | 2.096 mg/L | | 0.0037 | 2.096 mg/L | 0.0037 | 0.58% |
| Fe 234.349† | 6001905.6 | 134.6 mg/L | | 0.81 | 134.6 mg/L | 0.81 | 0.18% |
| Fe 238.204† | 11788403.1 | 124.9 mg/L | | 0.75 | 124.9 mg/L | 0.75 | 0.60% |
| K 766.490† | 9335.8 | 4.732 mg/L | | 0.0239 | 4.732 mg/L | 0.0239 | 0.60% |
| Li 670.784† | 4116.7 | 0.0588 mg/L | | 0.00011 | 0.0588 mg/L | 0.00011 | 0.50% |
| Mg 279.077† | 186940.7 | 10.63 mg/L | | 0.015 | 10.63 mg/L | 0.015 | 0.18% |
| Mn 257.610† | 1121637.1 | 1.504 mg/L | | 0.0021 | 1.504 mg/L | 0.0021 | 0.14% |
| Mo 202.031† | 74.4 | 0.0048 mg/L | | 0.00072 | 0.0048 mg/L | 0.00072 | 0.14% |
| Na 589.592 | 39592.6 | 5.251 mg/L | | 0.0141 | 5.251 mg/L | 0.0141 | 15.15% |
| Ni 231.604† | 5456.3 | 0.1226 mg/L | | 0.00027 | 0.1226 mg/L | 0.00027 | 0.27% |
| P 214.914† | 6255.3 | 5.593 mg/L | | 0.0303 | 5.593 mg/L | 0.0303 | 0.22% |
| Pb 220.353† | 11216.8 | 1.602 mg/L | | 0.0036 | 1.602 mg/L | 0.0036 | 0.54% |
| Sb 206.836† | -19.9 | -0.0183 mg/L | | 0.00089 | -0.0183 mg/L | 0.00089 | 0.23% |
| Se 196.026† | 3.6 | 0.0059 mg/L | | 0.00256 | 0.0059 mg/L | 0.00256 | 4.86% |
| Sn 189.927† | 661.0 | 0.2006 mg/L | | 0.00370 | 0.2006 mg/L | 0.00370 | 43.75% |
| Sr 407.771† | 824482.1 | 0.0409 mg/L | | 0.00003 | 0.0409 mg/L | 0.00003 | 1.84% |
| Ti 337.279† | 1845442.0 | 2.683 mg/L | | 0.0030 | 2.683 mg/L | 0.0030 | 0.08% |
| Tl 190.801† | -16.7 | 0.0192 mg/L | | 0.00685 | 0.0192 mg/L | 0.00685 | 0.11% |
| V 292.402† | 23408.6 | 0.0961 mg/L | | 0.00052 | 0.0961 mg/L | 0.00052 | 35.74% |
| Zn 213.857† | 169968.0 | 2.214 mg/L | | 0.0039 | 2.214 mg/L | 0.0039 | 0.54% |

Sequence No.: 17
 Sample ID: 0608248-07
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 21
 Date Collected: 8/14/2006 6:28:18 PM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Replicate Data: 0608248-07

| Repl# | Analyte | Net | | Calib. | Sample | | Analysis Time |
|-------|-------------|------------|---------------------|--------------|--------------|-------------|---------------|
| | | Intensity | Corrected Intensity | | Conc. Units | Conc. Units | |
| 1 | K 766.490† | 9902.4 | 10601.5 | 5.290 mg/L | 5.290 mg/L | 18:29:55 | |
| 1 | Li 670.784† | 5280.5 | 5554.7 | 0.0759 mg/L | 0.0759 mg/L | 18:29:55 | |
| 1 | Na 589.592 | 41773.1 | 41456.4 | 5.490 mg/L | 5.490 mg/L | 18:29:55 | |
| 1 | Y 371.029 | 3159164.9 | 3159164.9 | 0.972 mg/L | | 18:30:24 | |
| 1 | Ag 328.068† | 161826.4 | 168206.1 | 0.6760 mg/L | 0.6760 mg/L | 18:30:29 | |
| 1 | Al 237.313† | 487422.1 | 501565.3 | 71.28 mg/L | 71.28 mg/L | 18:30:24 | |
| 1 | As 188.979† | 84.9 | 82.9 | 0.1308 mg/L | 0.1308 mg/L | 18:30:50 | |
| 1 | B 182.528† | 30.6 | 34.8 | 0.0795 mg/L | 0.0795 mg/L | 18:30:50 | |
| 1 | Ba 233.527† | 56047.9 | 57746.2 | 0.6490 mg/L | 0.6490 mg/L | 18:30:29 | |
| 1 | Be 313.107† | 15825.1 | 15256.2 | 0.0035 mg/L | 0.0035 mg/L | 18:30:29 | |
| 1 | Ca 315.886† | 2202615.4 | 2265007.5 | 19.05 mg/L | 19.05 mg/L | 18:30:24 | |
| 1 | Cd 228.802† | 1009.4 | 890.6 | 0.0247 mg/L | 0.0247 mg/L | 18:30:50 | |
| 1 | Co 228.616† | 2646.8 | 2790.7 | 0.0743 mg/L | 0.0743 mg/L | 18:30:50 | |
| 1 | Cr 267.716† | 45686.0 | 45290.5 | 0.3781 mg/L | 0.3781 mg/L | 18:30:29 | |
| 1 | Cu 324.752† | 1842808.2 | 1893433.7 | 8.329 mg/L | 8.329 mg/L | 18:30:24 | |
| 1 | Fe 234.349† | 18070653.1 | 18586455.1 | 416.8 mg/L | 416.8 mg/L | 18:30:15 | |
| 1 | Fe 238.204† | 29992880.4 | 30850802.3 | 326.8 mg/L | 326.8 mg/L | 18:30:15 | |
| 1 | Mg 279.077† | 207590.8 | 213411.9 | 12.06 mg/L | 12.06 mg/L | 18:30:29 | |
| 1 | Mn 257.610† | 2617847.6 | 2691197.3 | 3.613 mg/L | 3.613 mg/L | 18:30:24 | |
| 1 | Mo 202.031† | 244.4 | 209.1 | 0.0152 mg/L | 0.0152 mg/L | 18:30:29 | |
| 1 | Ni 231.604† | 23434.3 | 23422.8 | 0.5379 mg/L | 0.5379 mg/L | 18:30:29 | |
| 1 | P 214.914† | 9970.3 | 10187.3 | 9.099 mg/L | 9.099 mg/L | 18:30:50 | |
| 1 | Pb 220.353† | 38637.0 | 39868.8 | 5.684 mg/L | 5.684 mg/L | 18:30:29 | |
| 1 | Sb 206.836† | -21.7 | -57.9 | -0.0418 mg/L | -0.0418 mg/L | 18:30:50 | |
| 1 | Se 196.026† | 11.6 | 16.8 | 0.0251 mg/L | 0.0251 mg/L | 18:30:50 | |
| 1 | Sn 189.927† | 964.0 | 930.2 | 0.2939 mg/L | 0.2939 mg/L | 18:30:50 | |
| 1 | Sr 407.771† | 2321532.0 | 2388299.1 | 0.1189 mg/L | 0.1189 mg/L | 18:30:24 | |
| 1 | Ti 337.279† | 2242503.6 | 2308283.9 | 3.356 mg/L | 3.356 mg/L | 18:30:24 | |
| 1 | Tl 190.801† | -91.9 | -75.4 | -0.0037 mg/L | -0.0037 mg/L | 18:30:50 | |
| 1 | V 292.402† | 89535.8 | 93338.3 | 0.4093 mg/L | 0.4093 mg/L | 18:30:29 | |
| 1 | Zn 213.857† | 389164.6 | 399579.6 | 5.198 mg/L | 5.198 mg/L | 18:30:29 | |
| 2 | K 766.490† | 9849.9 | 10494.3 | 5.242 mg/L | 5.242 mg/L | 18:30:01 | |
| 2 | Li 670.784† | 5265.9 | 5511.2 | 0.0754 mg/L | 0.0754 mg/L | 18:30:01 | |
| 2 | Na 589.592 | 41639.0 | 41322.3 | 5.473 mg/L | 5.473 mg/L | 18:30:01 | |
| 2 | Y 371.029 | 3175834.0 | 3175834.0 | 0.977 mg/L | | 18:31:10 | |
| 2 | Ag 328.068† | 161519.5 | 167018.4 | 0.6713 mg/L | 0.6713 mg/L | 18:31:15 | |
| 2 | Al 237.313† | 489596.8 | 501159.0 | 71.22 mg/L | 71.22 mg/L | 18:31:10 | |
| 2 | As 188.979† | 87.7 | 85.4 | 0.1348 mg/L | 0.1348 mg/L | 18:31:35 | |
| 2 | B 182.528† | 31.6 | 35.6 | 0.0814 mg/L | 0.0814 mg/L | 18:31:35 | |
| 2 | Ba 233.527† | 55747.4 | 57136.1 | 0.6421 mg/L | 0.6421 mg/L | 18:31:15 | |
| 2 | Be 313.107† | 15784.4 | 15129.2 | 0.0035 mg/L | 0.0035 mg/L | 18:31:15 | |
| 2 | Ca 315.886† | 2209893.1 | 2260562.4 | 19.02 mg/L | 19.02 mg/L | 18:31:10 | |
| 2 | Cd 228.802† | 1013.3 | 889.2 | 0.0246 mg/L | 0.0246 mg/L | 18:31:35 | |
| 2 | Co 228.616† | 2664.6 | 2794.6 | 0.0745 mg/L | 0.0745 mg/L | 18:31:35 | |
| 2 | Cr 267.716† | 45630.4 | 44986.9 | 0.3757 mg/L | 0.3757 mg/L | 18:31:15 | |
| 2 | Cu 324.752† | 1854138.6 | 1895078.0 | 8.336 mg/L | 8.336 mg/L | 18:31:10 | |
| 2 | Fe 234.349† | 18141088.5 | 18560963.3 | 416.2 mg/L | 416.2 mg/L | 18:31:01 | |
| 2 | Fe 238.204† | 30078671.0 | 30776654.3 | 326.0 mg/L | 326.0 mg/L | 18:31:01 | |
| 2 | Mg 279.077† | 206648.2 | 211326.7 | 11.94 mg/L | 11.94 mg/L | 18:31:15 | |
| 2 | Mn 257.610† | 2627637.0 | 2687080.4 | 3.607 mg/L | 3.607 mg/L | 18:31:10 | |
| 2 | Mo 202.031† | 246.7 | 210.0 | 0.0153 mg/L | 0.0153 mg/L | 18:31:15 | |
| 2 | Ni 231.604† | 23494.3 | 23357.7 | 0.5364 mg/L | 0.5364 mg/L | 18:31:15 | |
| 2 | P 214.914† | 9926.2 | 10088.3 | 9.011 mg/L | 9.011 mg/L | 18:31:35 | |
| 2 | Pb 220.353† | 38507.0 | 39527.2 | 5.635 mg/L | 5.635 mg/L | 18:31:15 | |
| 2 | Sb 206.836† | -19.7 | -55.7 | -0.0405 mg/L | -0.0405 mg/L | 18:31:35 | |
| 2 | Se 196.026† | 10.9 | 16.0 | 0.0239 mg/L | 0.0239 mg/L | 18:31:35 | |
| 2 | Sn 189.927† | 963.2 | 924.2 | 0.2920 mg/L | 0.2920 mg/L | 18:31:35 | |
| 2 | Sr 407.771† | 2331174.1 | 2385631.3 | 0.1187 mg/L | 0.1187 mg/L | 18:31:10 | |
| 2 | Ti 337.279† | 2254017.3 | 2307957.8 | 3.355 mg/L | 3.355 mg/L | 18:31:10 | |
| 2 | Tl 190.801† | -77.2 | -59.8 | 0.0111 mg/L | 0.0111 mg/L | 18:31:35 | |
| 2 | V 292.402† | 89109.2 | 92418.4 | 0.4048 mg/L | 0.4048 mg/L | 18:31:15 | |
| 2 | Zn 213.857† | 387911.0 | 396195.8 | 5.154 mg/L | 5.154 mg/L | 18:31:15 | |

 Mean Data: 0608248-07

| Analyte | Mean Corrected | | Calib Conc. Units | Std.Dev. | Sample | | Std.Dev. | RSD |
|-------------|----------------|--|----------------------|----------|--------------|---------|----------|---------|
| | Intensity | | | | Conc. Units | | | |
| Y 371.029 | 3167499.5 | | 0.975 mg/L | 0.0036 | | | | 0.37% |
| Ag 328.068† | 167612.2 | | 0.6737 mg/L | 0.00331 | 0.6737 mg/L | 0.00331 | 0.00331 | 0.49% |
| Al 237.313† | 501362.2 | | 71.25 mg/L | 0.040 | 71.25 mg/L | 0.040 | 0.040 | 0.06% |
| As 188.979† | 84.2 | | 0.1328 mg/L | 0.00282 | 0.1328 mg/L | 0.00282 | 0.00282 | 2.13% |
| B 182.528† | 35.2 | | 0.0804 mg/L | 0.00128 | 0.0804 mg/L | 0.00128 | 0.00128 | 1.60% |
| Ba 233.527† | 57441.2 | | 0.6456 mg/L | 0.00486 | 0.6456 mg/L | 0.00486 | 0.00486 | 0.75% |
| Be 313.107† | 15192.7 | | 0.0035 mg/L | 0.00003 | 0.0035 mg/L | 0.00003 | 0.00003 | 0.73% |
| Ca 315.886† | 2262785.0 | | 19.04 mg/L | 0.026 | 19.04 mg/L | 0.026 | 0.026 | 0.14% |
| Cd 228.802† | 889.9 | | 0.0246 mg/L | 0.00005 | 0.0246 mg/L | 0.00005 | 0.00005 | 0.18% |
| Co 228.616† | 2792.7 | | 0.0744 mg/L | 0.00009 | 0.0744 mg/L | 0.00009 | 0.00009 | 0.12% |
| Cr 267.716† | 45138.7 | | 0.3769 mg/L | 0.00171 | 0.3769 mg/L | 0.00171 | 0.00171 | 0.45% |
| Cu 324.752† | 1894255.8 | | 8.332 mg/L | 0.0050 | 8.332 mg/L | 0.0050 | 0.0050 | 0.06% |
| Fe 234.349† | 18573709.2 | | 416.5 mg/L | 0.40 | 416.5 mg/L | 0.40 | 0.40 | 0.10% |
| Fe 238.204† | 30813728.3 | | 326.4 mg/L | 0.56 | 326.4 mg/L | 0.56 | 0.56 | 0.17% |
| K 766.490† | 10547.9 | | 5.266 mg/L | 0.0334 | 5.266 mg/L | 0.0334 | 0.0334 | 0.63% |
| Li 670.784† | 5533.0 | | 0.0756 mg/L | 0.00036 | 0.0756 mg/L | 0.00036 | 0.00036 | 0.48% |
| Mg 279.077† | 212369.3 | | 12.00 mg/L | 0.084 | 12.00 mg/L | 0.084 | 0.084 | 0.70% |
| Mn 257.610† | 2689138.9 | | 3.610 mg/L | 0.0039 | 3.610 mg/L | 0.0039 | 0.0039 | 0.11% |
| Mo 202.031† | 209.6 | | 0.0152 mg/L | 0.00005 | 0.0152 mg/L | 0.00005 | 0.00005 | 0.35% |
| Na 589.592 | 41389.4 | | 5.481 mg/L | 0.0121 | 5.481 mg/L | 0.0121 | 0.0121 | 0.22% |
| Ni 231.604† | 23390.2 | | 0.5372 mg/L | 0.00106 | 0.5372 mg/L | 0.00106 | 0.00106 | 0.20% |
| P 214.914† | 10137.8 | | 9.055 mg/L | 0.0624 | 9.055 mg/L | 0.0624 | 0.0624 | 0.69% |
| Pb 220.353† | 39698.0 | | 5.660 mg/L | 0.0345 | 5.660 mg/L | 0.0345 | 0.0345 | 0.61% |
| Sb 206.836† | -56.8 | | -0.0411 mg/L | 0.00087 | -0.0411 mg/L | 0.00087 | 0.00087 | 2.12% |
| Se 196.026† | 16.4 | | 0.0245 mg/L | 0.00083 | 0.0245 mg/L | 0.00083 | 0.00083 | 3.40% |
| Sn 189.927† | 927.2 | | 0.2930 mg/L | 0.00130 | 0.2930 mg/L | 0.00130 | 0.00130 | 0.44% |
| Sr 407.771† | 2386965.2 | | 0.1188 mg/L | 0.00009 | 0.1188 mg/L | 0.00009 | 0.00009 | 0.08% |
| Ti 337.279† | 2308120.9 | | 3.356 mg/L | 0.0003 | 3.356 mg/L | 0.0003 | 0.0003 | 0.01% |
| Tl 190.801† | -67.6 | | 0.0037 mg/L | 0.01047 | 0.0037 mg/L | 0.01047 | 0.01047 | 280.29% |
| V 292.402† | 92878.3 | | 0.4071 mg/L | 0.00321 | 0.4071 mg/L | 0.00321 | 0.00321 | 0.79% |
| Zn 213.857† | 397887.7 | | 5.176 mg/L | 0.0313 | 5.176 mg/L | 0.0313 | 0.0313 | 0.61% |

=====

Sequence No.: 18

Sample ID: 0608248-08

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 22

Date Collected: 8/14/2006 6:33:16 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: 0608248-08

| Repl# | Analyte | Net | | Calib. Conc. Units | Sample | | Analysis Time |
|-------|-------------|-----------|------------------------|-----------------------|-------------|--|------------------|
| | | Intensity | Corrected Intensity | | Conc. Units | | |
| 1 | K 766.490† | 5334.1 | 5899.2 | 3.218 mg/L | 3.218 mg/L | | 18:34:52 |
| 1 | Li 670.784† | 2792.1 | 2993.4 | 0.0455 mg/L | 0.0455 mg/L | | 18:34:52 |
| 1 | Na 589.592 | 46755.5 | 46438.8 | 6.128 mg/L | 6.128 mg/L | | 18:34:52 |
| 1 | Y 371.029 | 3160994.0 | 3160994.0 | 0.973 mg/L | | | 18:35:18 |
| 1 | Ag 328.068† | 245075.8 | 253693.2 | 0.9999 mg/L | 0.9999 mg/L | | 18:35:18 |
| 1 | Al 237.313† | 175725.8 | 180840.0 | 26.09 mg/L | 26.09 mg/L | | 18:35:18 |
| 1 | As 188.979† | 64.9 | 62.4 | 0.0813 mg/L | 0.0813 mg/L | | 18:35:43 |
| 1 | B 182.528† | 7.8 | 11.3 | 0.0295 mg/L | 0.0295 mg/L | | 18:35:43 |
| 1 | Ba 233.527† | 96682.0 | 99486.2 | 1.109 mg/L | 1.109 mg/L | | 18:35:23 |
| 1 | Be 313.107† | 15643.1 | 15059.7 | 0.0023 mg/L | 0.0023 mg/L | | 18:35:18 |
| 1 | Ca 315.886† | 5193478.9 | 5338413.9 | 45.02 mg/L | 45.02 mg/L | | 18:35:10 |
| 1 | Cd 228.802† | 1928.3 | 1834.8 | 0.0447 mg/L | 0.0447 mg/L | | 18:35:43 |
| 1 | Co 228.616† | 714.7 | 802.8 | 0.0176 mg/L | 0.0176 mg/L | | 18:35:43 |
| 1 | Cr 267.716† | 131255.8 | 133232.2 | 1.048 mg/L | 1.048 mg/L | | 18:35:18 |
| 1 | Cu 324.752† | 9644216.9 | 9912471.1 | 43.22 mg/L | 43.22 mg/L | | 18:35:10 |
| 1 | Fe 234.349† | 2784167.1 | 2860631.0 | 64.13 mg/L | 64.13 mg/L | | 18:35:18 |
| 1 | Fe 238.204† | 5693241.6 | 5852030.2 | 62.00 mg/L | 62.00 mg/L | | 18:35:10 |
| 1 | Mg 279.077† | 156405.1 | 160667.6 | 9.149 mg/L | 9.149 mg/L | | 18:35:23 |
| 1 | Mn 257.610† | 338045.7 | 345919.2 | 0.4645 mg/L | 0.4645 mg/L | | 18:35:18 |
| 1 | Mo 202.031† | 799.9 | 779.9 | 0.0594 mg/L | 0.0594 mg/L | | 18:35:43 |
| 1 | Ni 231.604† | 36979.4 | 37333.7 | 0.8595 mg/L | 0.8595 mg/L | | 18:35:23 |
| 1 | P 214.914† | 16612.2 | 17009.5 | 15.18 mg/L | 15.18 mg/L | | 18:35:23 |
| 1 | Pb 220.353† | 122593.3 | 126155.9 | 18.00 mg/L | 18.00 mg/L | | 18:35:23 |
| 1 | Sb 206.836† | 15.0 | -20.2 | 0.0222 mg/L | 0.0222 mg/L | | 18:35:43 |

| | | | | | | |
|---|-------------|-----------|-----------|-------------|-------------|----------|
| 1 | Se 196.026† | 9.8 | 14.8 | 0.0222 mg/L | 0.0222 mg/L | 18:35:43 |
| 1 | Sn 189.927† | 7977.9 | 8140.2 | 2.456 mg/L | 2.456 mg/L | 18:35:23 |
| 1 | Sr 407.771† | 6515766.8 | 6698744.6 | 0.3338 mg/L | 0.3338 mg/L | 18:35:10 |
| 1 | Ti 337.279† | 941490.2 | 969459.6 | 1.409 mg/L | 1.409 mg/L | 18:35:18 |
| 1 | Tl 190.801† | 70.2 | 91.3 | 0.0480 mg/L | 0.0480 mg/L | 18:35:43 |
| 1 | V 292.402† | 2776621.7 | 2855707.8 | 14.31 mg/L | 14.31 mg/L | 18:35:18 |
| 1 | Zn 213.857† | 299363.8 | 307029.4 | 4.042 mg/L | 4.042 mg/L | 18:35:18 |
| 2 | K 766.490† | 5379.6 | 6004.3 | 3.265 mg/L | 3.265 mg/L | 18:34:57 |
| 2 | Li 670.784† | 2840.7 | 3074.2 | 0.0465 mg/L | 0.0465 mg/L | 18:34:57 |
| 2 | Na 589.592 | 46492.0 | 46175.3 | 6.094 mg/L | 6.094 mg/L | 18:34:57 |
| 2 | Y 371.029 | 3127991.3 | 3127991.3 | 0.963 mg/L | | 18:36:00 |
| 2 | Ag 328.068† | 242452.1 | 253625.7 | 0.9996 mg/L | 0.9996 mg/L | 18:36:00 |
| 2 | Al 237.313† | 173315.8 | 180242.2 | 26.00 mg/L | 26.00 mg/L | 18:36:00 |
| 2 | As 188.979† | 64.7 | 62.8 | 0.0820 mg/L | 0.0820 mg/L | 18:36:26 |
| 2 | B 182.528† | 4.7 | 8.1 | 0.0227 mg/L | 0.0227 mg/L | 18:36:26 |
| 2 | Ba 233.527† | 95249.6 | 99046.7 | 1.104 mg/L | 1.104 mg/L | 18:36:05 |
| 2 | Be 313.107† | 15349.2 | 14924.0 | 0.0022 mg/L | 0.0022 mg/L | 18:36:00 |
| 2 | Ca 315.886† | 5167764.7 | 5368031.3 | 45.27 mg/L | 45.27 mg/L | 18:35:52 |
| 2 | Cd 228.802† | 1941.2 | 1869.1 | 0.0456 mg/L | 0.0456 mg/L | 18:36:26 |
| 2 | Co 228.616† | 721.5 | 817.6 | 0.0181 mg/L | 0.0181 mg/L | 18:36:26 |
| 2 | Cr 267.716† | 129279.7 | 132603.0 | 1.043 mg/L | 1.043 mg/L | 18:36:00 |
| 2 | Cu 324.752† | 9627553.9 | 9999766.9 | 43.60 mg/L | 43.60 mg/L | 18:35:52 |
| 2 | Fe 234.349† | 2740567.6 | 2845534.8 | 63.80 mg/L | 63.80 mg/L | 18:36:00 |
| 2 | Fe 238.204† | 5663962.6 | 5883365.0 | 62.33 mg/L | 62.33 mg/L | 18:35:52 |
| 2 | Mg 279.077† | 153976.4 | 159840.9 | 9.102 mg/L | 9.102 mg/L | 18:36:05 |
| 2 | Mn 257.610† | 333038.3 | 344383.7 | 0.4625 mg/L | 0.4625 mg/L | 18:36:00 |
| 2 | Mo 202.031† | 785.2 | 773.4 | 0.0589 mg/L | 0.0589 mg/L | 18:36:26 |
| 2 | Ni 231.604† | 36341.3 | 37071.9 | 0.8534 mg/L | 0.8534 mg/L | 18:36:05 |
| 2 | P 214.914† | 16365.8 | 16933.7 | 15.12 mg/L | 15.12 mg/L | 18:36:05 |
| 2 | Pb 220.353† | 120681.6 | 125499.7 | 17.91 mg/L | 17.91 mg/L | 18:36:05 |
| 2 | Sb 206.836† | 12.9 | -22.2 | 0.0211 mg/L | 0.0211 mg/L | 18:36:26 |
| 2 | Se 196.026† | 8.3 | 13.4 | 0.0202 mg/L | 0.0202 mg/L | 18:36:26 |
| 2 | Sn 189.927† | 7870.2 | 8114.9 | 2.448 mg/L | 2.448 mg/L | 18:36:05 |
| 2 | Sr 407.771† | 6498059.0 | 6751021.9 | 0.3364 mg/L | 0.3364 mg/L | 18:35:52 |
| 2 | Ti 337.279† | 928678.5 | 966361.7 | 1.404 mg/L | 1.404 mg/L | 18:36:00 |
| 2 | Tl 190.801† | 70.3 | 92.2 | 0.0491 mg/L | 0.0491 mg/L | 18:36:26 |
| 2 | V 292.402† | 2736882.2 | 2844540.0 | 14.26 mg/L | 14.26 mg/L | 18:36:00 |
| 2 | Zn 213.857† | 294521.4 | 305245.8 | 4.018 mg/L | 4.018 mg/L | 18:36:00 |

Mean Data: 0608248-08

| Analyte | Mean Corrected Intensity | Conc. Units | Calib | Std.Dev. | Sample Conc. Units | Std.Dev. | RSD |
|-------------|--------------------------|-------------|-------|----------|--------------------|----------|--------|
| Y 371.029 | 3144492.7 | 0.968 mg/L | | 0.0072 | | | |
| Ag 328.068† | 253659.5 | 0.9997 mg/L | | 0.00021 | 0.9997 mg/L | 0.00021 | 0.74% |
| Al 237.313† | 180541.1 | 26.05 mg/L | | 0.061 | 26.05 mg/L | 0.061 | 0.23% |
| As 188.979† | 62.6 | 0.0817 mg/L | | 0.00052 | 0.0817 mg/L | 0.00052 | 0.64% |
| B 182.528† | 9.7 | 0.0261 mg/L | | 0.00480 | 0.0261 mg/L | 0.00480 | 18.41% |
| Ba 233.527† | 99266.5 | 1.107 mg/L | | 0.0035 | 1.107 mg/L | 0.0035 | 0.31% |
| Be 313.107† | 14991.9 | 0.0022 mg/L | | 0.00002 | 0.0022 mg/L | 0.00002 | 0.97% |
| Ca 315.886† | 5353222.6 | 45.15 mg/L | | 0.176 | 45.15 mg/L | 0.176 | 0.39% |
| Cd 228.802† | 1851.9 | 0.0451 mg/L | | 0.00063 | 0.0451 mg/L | 0.00063 | 1.40% |
| Co 228.616† | 810.2 | 0.0179 mg/L | | 0.00033 | 0.0179 mg/L | 0.00033 | 1.83% |
| Cr 267.716† | 132917.6 | 1.046 mg/L | | 0.0035 | 1.046 mg/L | 0.0035 | 0.34% |
| Cu 324.752† | 9956119.0 | 43.41 mg/L | | 0.269 | 43.41 mg/L | 0.269 | 0.62% |
| Fe 234.349† | 2853082.9 | 63.97 mg/L | | 0.239 | 63.97 mg/L | 0.239 | 0.37% |
| Fe 238.204† | 5867697.6 | 62.16 mg/L | | 0.235 | 62.16 mg/L | 0.235 | 0.38% |
| K 766.490† | 5951.8 | 3.242 mg/L | | 0.0328 | 3.242 mg/L | 0.0328 | 1.01% |
| Li 670.784† | 3033.8 | 0.0460 mg/L | | 0.00068 | 0.0460 mg/L | 0.00068 | 1.47% |
| Mg 279.077† | 160254.2 | 9.125 mg/L | | 0.0333 | 9.125 mg/L | 0.0333 | 0.37% |
| Mn 257.610† | 345151.5 | 0.4635 mg/L | | 0.00147 | 0.4635 mg/L | 0.00147 | 0.32% |
| Mo 202.031† | 776.7 | 0.0592 mg/L | | 0.00036 | 0.0592 mg/L | 0.00036 | 0.61% |
| Na 589.592 | 46307.1 | 6.111 mg/L | | 0.0239 | 6.111 mg/L | 0.0239 | 0.39% |
| Ni 231.604† | 37202.8 | 0.8564 mg/L | | 0.00428 | 0.8564 mg/L | 0.00428 | 0.50% |
| P 214.914† | 16971.6 | 15.15 mg/L | | 0.048 | 15.15 mg/L | 0.048 | 0.32% |
| Pb 220.353† | 125827.8 | 17.96 mg/L | | 0.066 | 17.96 mg/L | 0.066 | 0.37% |
| Sb 206.836† | -21.2 | 0.0216 mg/L | | 0.00082 | 0.0216 mg/L | 0.00082 | 3.80% |
| Se 196.026† | 14.1 | 0.0212 mg/L | | 0.00143 | 0.0212 mg/L | 0.00143 | 6.75% |
| Sn 189.927† | 8127.5 | 2.452 mg/L | | 0.0054 | 2.452 mg/L | 0.0054 | 0.22% |
| Sr 407.771† | 6724883.3 | 0.3351 mg/L | | 0.00184 | 0.3351 mg/L | 0.00184 | 0.55% |
| Ti 337.279† | 967910.7 | 1.407 mg/L | | 0.0032 | 1.407 mg/L | 0.0032 | 0.23% |
| Tl 190.801† | 91.8 | 0.0485 mg/L | | 0.00075 | 0.0485 mg/L | 0.00075 | 1.55% |

V 292.402† 2850123.9 14.28 mg/L 0.040 14.28 mg/L 0.040 0.28%
 Zn 213.857† 306137.6 4.030 mg/L 0.0166 4.030 mg/L 0.0166 0.41%

Sequence No.: 19

Sample ID: BH61418-DUP1

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 23

Date Collected: 8/14/2006 6:38:07 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: BH61418-DUP1

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. Units | Sample Conc. Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------------------|--------------------|---------------|
| 1 | K 766.490† | 4302.6 | 4899.0 | 2.778 mg/L | 2.778 mg/L | 18:39:43 |
| 1 | Li 670.784† | 2217.2 | 2433.4 | 0.0389 mg/L | 0.0389 mg/L | 18:39:43 |
| 1 | Na 589.592 | 49195.1 | 48878.5 | 6.440 mg/L | 6.440 mg/L | 18:39:43 |
| 1 | Y 371.029 | 3118575.3 | 3118575.3 | 0.960 mg/L | | 18:40:07 |
| 1 | Ag 328.068† | 257656.1 | 270229.2 | 1.066 mg/L | 1.066 mg/L | 18:40:13 |
| 1 | Al 237.313† | 149872.0 | 156357.0 | 22.41 mg/L | 22.41 mg/L | 18:40:13 |
| 1 | As 188.979† | 64.7 | 63.0 | 0.0810 mg/L | 0.0810 mg/L | 18:40:33 |
| 1 | B 182.528† | 5.7 | 9.3 | 0.0251 mg/L | 0.0251 mg/L | 18:40:33 |
| 1 | Ba 233.527† | 101482.1 | 105839.9 | 1.180 mg/L | 1.180 mg/L | 18:40:13 |
| 1 | Be 313.107† | 13415.2 | 12957.0 | 0.0019 mg/L | 0.0019 mg/L | 18:40:07 |
| 1 | Ca 315.886† | 5512831.4 | 5743807.7 | 48.44 mg/L | 48.44 mg/L | 18:40:01 |
| 1 | Cd 228.802† | 1838.7 | 1768.3 | 0.0429 mg/L | 0.0429 mg/L | 18:40:33 |
| 1 | Co 228.616† | 568.3 | 660.3 | 0.0138 mg/L | 0.0138 mg/L | 18:40:33 |
| 1 | Cr 267.716† | 120563.0 | 123925.5 | 0.9760 mg/L | 0.9760 mg/L | 18:40:13 |
| 1 | Cu 324.752† | 9994347.3 | 10412172.1 | 45.40 mg/L | 45.40 mg/L | 18:40:01 |
| 1 | Fe 234.349† | 3862006.3 | 4022692.9 | 90.20 mg/L | 90.20 mg/L | 18:40:07 |
| 1 | Fe 238.204† | 7794513.8 | 8121208.3 | 86.04 mg/L | 86.04 mg/L | 18:40:01 |
| 1 | Mg 279.077† | 140383.8 | 146160.1 | 8.309 mg/L | 8.309 mg/L | 18:40:13 |
| 1 | Mn 257.610† | 307978.9 | 319316.0 | 0.4290 mg/L | 0.4290 mg/L | 18:40:13 |
| 1 | Mo 202.031† | 695.5 | 682.4 | 0.0519 mg/L | 0.0519 mg/L | 18:40:33 |
| 1 | Ni 231.604† | 30267.5 | 30856.8 | 0.7097 mg/L | 0.7097 mg/L | 18:40:13 |
| 1 | P 214.914† | 17145.4 | 17797.4 | 15.89 mg/L | 15.89 mg/L | 18:40:13 |
| 1 | Pb 220.353† | 139217.3 | 145192.8 | 20.72 mg/L | 20.72 mg/L | 18:40:13 |
| 1 | Sb 206.836† | 1.4 | -34.1 | 0.0214 mg/L | 0.0214 mg/L | 18:40:33 |
| 1 | Se 196.026† | 15.5 | 20.9 | 0.0311 mg/L | 0.0311 mg/L | 18:40:33 |
| 1 | Sn 189.927† | 7749.5 | 8013.7 | 2.419 mg/L | 2.419 mg/L | 18:40:33 |
| 1 | Sr 407.771† | 6740970.8 | 7024523.7 | 0.3501 mg/L | 0.3501 mg/L | 18:40:01 |
| 1 | Ti 337.279† | 780555.1 | 814927.1 | 1.184 mg/L | 1.184 mg/L | 18:40:07 |
| 1 | Tl 190.801† | 73.0 | 95.2 | 0.0464 mg/L | 0.0464 mg/L | 18:40:33 |
| 1 | V 292.402† | 2976200.5 | 3102499.4 | 15.55 mg/L | 15.55 mg/L | 18:40:07 |
| 1 | Zn 213.857† | 307073.7 | 319249.4 | 4.203 mg/L | 4.203 mg/L | 18:40:13 |
| 2 | K 766.490† | 4309.8 | 4889.8 | 2.774 mg/L | 2.774 mg/L | 18:39:48 |
| 2 | Li 670.784† | 2245.6 | 2454.3 | 0.0391 mg/L | 0.0391 mg/L | 18:39:48 |
| 2 | Na 589.592 | 48855.9 | 48539.2 | 6.397 mg/L | 6.397 mg/L | 18:39:48 |
| 2 | Y 371.029 | 3130156.8 | 3130156.8 | 0.963 mg/L | | 18:40:49 |
| 2 | Ag 328.068† | 259080.1 | 270714.1 | 1.068 mg/L | 1.068 mg/L | 18:40:54 |
| 2 | Al 237.313† | 150727.2 | 156667.1 | 22.45 mg/L | 22.45 mg/L | 18:40:54 |
| 2 | As 188.979† | 72.3 | 70.7 | 0.0934 mg/L | 0.0934 mg/L | 18:41:14 |
| 2 | B 182.528† | 6.0 | 9.5 | 0.0257 mg/L | 0.0257 mg/L | 18:41:14 |
| 2 | Ba 233.527† | 101970.5 | 105955.6 | 1.181 mg/L | 1.181 mg/L | 18:40:54 |
| 2 | Be 313.107† | 13558.7 | 13054.2 | 0.0020 mg/L | 0.0020 mg/L | 18:40:49 |
| 2 | Ca 315.886† | 5539974.5 | 5750732.2 | 48.50 mg/L | 48.50 mg/L | 18:40:42 |
| 2 | Cd 228.802† | 1835.0 | 1757.4 | 0.0426 mg/L | 0.0426 mg/L | 18:41:14 |
| 2 | Co 228.616† | 571.2 | 661.1 | 0.0138 mg/L | 0.0138 mg/L | 18:41:14 |
| 2 | Cr 267.716† | 121339.0 | 124266.3 | 0.9787 mg/L | 0.9787 mg/L | 18:40:54 |
| 2 | Cu 324.752† | 10084170.1 | 10466890.3 | 45.64 mg/L | 45.64 mg/L | 18:40:42 |
| 2 | Fe 234.349† | 3867678.6 | 4013691.8 | 90.00 mg/L | 90.00 mg/L | 18:40:49 |
| 2 | Fe 238.204† | 7828008.4 | 8125929.9 | 86.09 mg/L | 86.09 mg/L | 18:40:42 |
| 2 | Mg 279.077† | 141198.7 | 146464.9 | 8.326 mg/L | 8.326 mg/L | 18:40:54 |
| 2 | Mn 257.610† | 309551.9 | 319761.6 | 0.4296 mg/L | 0.4296 mg/L | 18:40:54 |
| 2 | Mo 202.031† | 695.7 | 679.9 | 0.0517 mg/L | 0.0517 mg/L | 18:41:14 |
| 2 | Ni 231.604† | 30405.7 | 30883.6 | 0.7104 mg/L | 0.7104 mg/L | 18:40:54 |
| 2 | P 214.914† | 17257.7 | 17847.9 | 15.93 mg/L | 15.93 mg/L | 18:40:54 |
| 2 | Pb 220.353† | 140021.7 | 145491.1 | 20.76 mg/L | 20.76 mg/L | 18:40:54 |
| 2 | Sb 206.836† | -7.5 | -43.4 | 0.0162 mg/L | 0.0162 mg/L | 18:41:14 |
| 2 | Se 196.026† | 12.9 | 18.1 | 0.0271 mg/L | 0.0271 mg/L | 18:41:14 |
| 2 | Sn 189.927† | 7753.3 | 7987.8 | 2.411 mg/L | 2.411 mg/L | 18:41:14 |
| 2 | Sr 407.771† | 6789763.2 | 7049188.7 | 0.3513 mg/L | 0.3513 mg/L | 18:40:42 |

| | | | | | | |
|---|-------------|-----------|-----------|-------------|-------------|----------|
| 2 | Ti 337.279† | 782652.4 | 814095.1 | 1.183 mg/L | 1.183 mg/L | 18:40:49 |
| 2 | Tl 190.801† | 68.9 | 90.7 | 0.0422 mg/L | 0.0422 mg/L | 18:41:14 |
| 2 | V 292.402† | 2982428.1 | 3097490.0 | 15.52 mg/L | 15.52 mg/L | 18:40:49 |
| 2 | Zn 213.857† | 308434.4 | 319478.1 | 4.206 mg/L | 4.206 mg/L | 18:40:54 |

 Mean Data: BH61418-DUP1

| Analyte | Mean Corrected | | Calib Units | Std.Dev. | Sample | | RSD |
|-------------|----------------|--------|----------------|----------|-------------|---------|--------|
| | Intensity | Conc. | | | Conc. | Units | |
| Y 371.029 | 3124366.0 | 0.961 | mg/L | 0.0025 | | | 0.26% |
| Ag 328.068† | 270471.7 | 1.067 | mg/L | 0.0013 | 1.067 mg/L | 0.0013 | 0.13% |
| Al 237.313† | 156512.0 | 22.43 | mg/L | 0.033 | 22.43 mg/L | 0.033 | 0.15% |
| As 188.979† | 66.9 | 0.0872 | mg/L | 0.00875 | 0.0872 mg/L | 0.00875 | 10.04% |
| B 182.528† | 9.4 | 0.0254 | mg/L | 0.00042 | 0.0254 mg/L | 0.00042 | 1.64% |
| Ba 233.527† | 105897.8 | 1.181 | mg/L | 0.0009 | 1.181 mg/L | 0.0009 | 0.08% |
| Be 313.107† | 13005.6 | 0.0020 | mg/L | 0.00002 | 0.0020 mg/L | 0.00002 | 0.99% |
| Ca 315.886† | 5747270.0 | 48.47 | mg/L | 0.041 | 48.47 mg/L | 0.041 | 0.08% |
| Cd 228.802† | 1762.9 | 0.0427 | mg/L | 0.00025 | 0.0427 mg/L | 0.00025 | 0.58% |
| Co 228.616† | 660.7 | 0.0138 | mg/L | 0.00002 | 0.0138 mg/L | 0.00002 | 0.15% |
| Cr 267.716† | 124095.9 | 0.9773 | mg/L | 0.00190 | 0.9773 mg/L | 0.00190 | 0.19% |
| Cu 324.752† | 10439531.2 | 45.52 | mg/L | 0.169 | 45.52 mg/L | 0.169 | 0.37% |
| Fe 234.349† | 4018192.4 | 90.10 | mg/L | 0.143 | 90.10 mg/L | 0.143 | 0.16% |
| Fe 238.204† | 8123569.1 | 86.06 | mg/L | 0.035 | 86.06 mg/L | 0.035 | 0.04% |
| K 766.490† | 4894.4 | 2.776 | mg/L | 0.0028 | 2.776 mg/L | 0.0028 | 0.10% |
| Li 670.784† | 2443.9 | 0.0390 | mg/L | 0.00018 | 0.0390 mg/L | 0.00018 | 0.45% |
| Mg 279.077† | 146312.5 | 8.318 | mg/L | 0.0124 | 8.318 mg/L | 0.0124 | 0.15% |
| Mn 257.610† | 319538.8 | 0.4293 | mg/L | 0.00042 | 0.4293 mg/L | 0.00042 | 0.10% |
| Mo 202.031† | 681.1 | 0.0518 | mg/L | 0.00014 | 0.0518 mg/L | 0.00014 | 0.26% |
| Na 589.592 | 48708.9 | 6.418 | mg/L | 0.0307 | 6.418 mg/L | 0.0307 | 0.48% |
| Ni 231.604† | 30870.2 | 0.7101 | mg/L | 0.00044 | 0.7101 mg/L | 0.00044 | 0.06% |
| P 214.914† | 17822.6 | 15.91 | mg/L | 0.032 | 15.91 mg/L | 0.032 | 0.20% |
| Pb 220.353† | 145342.0 | 20.74 | mg/L | 0.030 | 20.74 mg/L | 0.030 | 0.14% |
| Sb 206.836† | -38.7 | 0.0188 | mg/L | 0.00367 | 0.0188 mg/L | 0.00367 | 19.50% |
| Se 196.026† | 19.5 | 0.0291 | mg/L | 0.00285 | 0.0291 mg/L | 0.00285 | 9.80% |
| Sn 189.927† | 8000.8 | 2.415 | mg/L | 0.0055 | 2.415 mg/L | 0.0055 | 0.23% |
| Sr 407.771† | 7036856.2 | 0.3507 | mg/L | 0.00087 | 0.3507 mg/L | 0.00087 | 0.25% |
| Ti 337.279† | 814511.1 | 1.184 | mg/L | 0.0009 | 1.184 mg/L | 0.0009 | 0.07% |
| Tl 190.801† | 93.0 | 0.0443 | mg/L | 0.00297 | 0.0443 mg/L | 0.00297 | 6.70% |
| V 292.402† | 3099994.7 | 15.53 | mg/L | 0.018 | 15.53 mg/L | 0.018 | 0.11% |
| Zn 213.857† | 319363.8 | 4.205 | mg/L | 0.0021 | 4.205 mg/L | 0.0021 | 0.05% |

 Duplicate Check: BH61418-DUP1

| Analyte | Expected | Measured | Std. Dev. | Units | Difference (%) |
|------------|----------|----------|--------------|-------|-------------------|
| | Conc. | Conc. | | | |
| K 766.490 | 3.242 | 2.776 | 0.003 | mg/L | 15.5 |
| Li 670.784 | 0.0460 | 0.0390 | 0.000 | mg/L | 16.5 |
| Na 589.592 | 6.111 | 6.418 | 0.031 | mg/L | 4.9 |
| Y 371.029 | | | 0.000 | mg/L | Not calculated |
| Ag 328.068 | 0.9997 | 1.067 | 0.001 | mg/L | 6.5 |
| Al 237.313 | 26.05 | 22.43 | 0.033 | mg/L | 14.9 |
| As 188.979 | 0.0817 | 0.0872 | 0.009 | mg/L | 6.5 |
| B 182.528 | 0.0261 | 0.0254 | 0.000 | mg/L | 2.5 |
| Ba 233.527 | 1.107 | 1.181 | 0.001 | mg/L | 6.5 |
| Be 313.107 | 0.0022 | 0.0020 | 0.000 | mg/L | 13.0 |
| Ca 315.886 | 45.15 | 48.47 | 0.041 | mg/L | 7.1 |
| Cd 228.802 | 0.0451 | 0.0427 | 0.000 | mg/L | 5.5 |
| Co 228.616 | 0.0179 | 0.0138 | 0.000 | mg/L | 25.6 |
| Cr 267.716 | 1.046 | 0.9773 | 0.002 | mg/L | 6.8 |
| Cu 324.752 | 43.41 | 45.52 | 0.169 | mg/L | 4.7 |
| Fe 234.349 | 63.97 | 90.10 | 0.143 | mg/L | 33.9 |
| Fe 238.204 | 62.16 | 86.06 | 0.035 | mg/L | 32.2 |
| Mg 279.077 | 9.125 | 8.318 | 0.012 | mg/L | 9.3 |
| Mn 257.610 | 0.4635 | 0.4293 | 0.000 | mg/L | 7.7 |
| Mo 202.031 | 0.0592 | 0.0518 | 0.000 | mg/L | 13.3 |
| Ni 231.604 | 0.8564 | 0.7101 | 0.000 | mg/L | 18.7 |
| P 214.914 | 15.15 | 15.91 | 0.032 | mg/L | 4.9 |
| Pb 220.353 | 17.96 | 20.74 | 0.030 | mg/L | 14.4 |
| Sb 206.836 | 0.0216 | 0.0188 | 0.004 | mg/L | 14.1 |
| Se 196.026 | 0.0212 | 0.0291 | 0.003 | mg/L | 31.2 |
| Sn 189.927 | 2.452 | 2.415 | 0.006 | mg/L | 1.5 |
| Sr 407.771 | 0.3351 | 0.3507 | 0.001 | mg/L | 4.5 |

| | | | | | |
|------------|--------|--------|-------|------|------|
| Ti 337.279 | 1.407 | 1.184 | 0.001 | mg/L | 17.2 |
| Tl 190.801 | 0.0485 | 0.0443 | 0.003 | mg/L | 9.1 |
| V 292.402 | 14.28 | 15.53 | 0.018 | mg/L | 8.4 |
| Zn 213.857 | 4.030 | 4.205 | 0.002 | mg/L | 4.2 |

Sequence No.: 20
Sample ID: BH61418-MS1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 24
Date Collected: 8/14/2006 6:42:55 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: BH61418-MS1

| Repl# | Analyte | Net | | Corrected | | Calib. | | Sample | | Analysis Time |
|-------|-------------|------------|--|------------|--|--------|-------|--------|-------|---------------|
| | | Intensity | | Intensity | | Conc. | Units | Conc. | Units | |
| 1 | K 766.490† | 54276.6 | | 57106.8 | | 25.77 | mg/L | 25.77 | mg/L | 18:44:30 |
| 1 | Li 670.784† | 41185.7 | | 43140.9 | | 0.5216 | mg/L | 0.5216 | mg/L | 18:44:30 |
| 1 | Na 589.592 | 212891.7 | | 212575.1 | | 27.40 | mg/L | 27.40 | mg/L | 18:44:30 |
| 1 | Y 371.029 | 3111212.3 | | 3111212.3 | | 0.957 | mg/L | | | 18:45:01 |
| 1 | Ag 328.068† | 345772.6 | | 362901.0 | | 1.428 | mg/L | 1.428 | mg/L | 18:45:06 |
| 1 | Al 237.313† | 220229.5 | | 230214.0 | | 33.28 | mg/L | 33.28 | mg/L | 18:45:06 |
| 1 | As 188.979† | 313.5 | | 323.1 | | 0.5001 | mg/L | 0.5001 | mg/L | 18:45:27 |
| 1 | B 182.528† | 190.4 | | 202.1 | | 0.4362 | mg/L | 0.4362 | mg/L | 18:45:27 |
| 1 | Ba 233.527† | 139245.7 | | 145533.7 | | 1.627 | mg/L | 1.627 | mg/L | 18:45:06 |
| 1 | Be 313.107† | 178416.3 | | 185331.4 | | 0.0462 | mg/L | 0.0462 | mg/L | 18:45:01 |
| 1 | Ca 315.886† | 5814126.9 | | 6072101.4 | | 51.21 | mg/L | 51.21 | mg/L | 18:45:01 |
| 1 | Cd 228.802† | 9991.2 | | 10288.1 | | 0.2636 | mg/L | 0.2636 | mg/L | 18:45:27 |
| 1 | Co 228.616† | 14448.5 | | 15159.4 | | 0.4554 | mg/L | 0.4554 | mg/L | 18:45:27 |
| 1 | Cr 267.716† | 218074.2 | | 226071.9 | | 1.779 | mg/L | 1.779 | mg/L | 18:45:06 |
| 1 | Cu 324.752† | 10673065.4 | | 11145730.1 | | 48.60 | mg/L | 48.60 | mg/L | 18:44:52 |
| 1 | Fe 234.349† | 2815983.1 | | 2939660.2 | | 65.90 | mg/L | 65.90 | mg/L | 18:45:01 |
| 1 | Fe 238.204† | 5758971.1 | | 6014334.0 | | 63.72 | mg/L | 63.72 | mg/L | 18:45:01 |
| 1 | Mg 279.077† | 242724.4 | | 253399.6 | | 14.46 | mg/L | 14.46 | mg/L | 18:45:06 |
| 1 | Mn 257.610† | 637901.4 | | 664674.9 | | 0.8930 | mg/L | 0.8930 | mg/L | 18:45:01 |
| 1 | Mo 202.031† | 6386.6 | | 6628.3 | | 0.5124 | mg/L | 0.5124 | mg/L | 18:45:27 |
| 1 | Ni 231.604† | 60402.7 | | 62407.4 | | 1.440 | mg/L | 1.440 | mg/L | 18:45:06 |
| 1 | P 214.914† | 22596.9 | | 23533.7 | | 21.00 | mg/L | 21.00 | mg/L | 18:45:06 |
| 1 | Pb 220.353† | 144008.2 | | 150540.1 | | 21.49 | mg/L | 21.49 | mg/L | 18:45:06 |
| 1 | Sb 206.836† | 622.2 | | 614.3 | | 0.3555 | mg/L | 0.3555 | mg/L | 18:45:27 |
| 1 | Se 196.026† | 568.5 | | 598.6 | | 0.8729 | mg/L | 0.8729 | mg/L | 18:45:27 |
| 1 | Sn 189.927† | 10637.9 | | 11049.7 | | 3.336 | mg/L | 3.336 | mg/L | 18:45:27 |
| 1 | Sr 407.771† | 7422285.7 | | 7752771.0 | | 0.3864 | mg/L | 0.3864 | mg/L | 18:44:52 |
| 1 | Ti 337.279† | 1271951.2 | | 1330108.4 | | 1.933 | mg/L | 1.933 | mg/L | 18:45:01 |
| 1 | Tl 190.801† | 526.8 | | 569.4 | | 0.5025 | mg/L | 0.5025 | mg/L | 18:45:27 |
| 1 | V 292.402† | 2985854.2 | | 3119922.0 | | 15.64 | mg/L | 15.64 | mg/L | 18:45:01 |
| 1 | Zn 213.857† | 340979.6 | | 355420.9 | | 4.675 | mg/L | 4.675 | mg/L | 18:45:06 |
| 2 | K 766.490† | 54309.1 | | 56871.5 | | 25.67 | mg/L | 25.67 | mg/L | 18:44:37 |
| 2 | Li 670.784† | 41281.9 | | 43036.8 | | 0.5204 | mg/L | 0.5204 | mg/L | 18:44:37 |
| 2 | Na 589.592 | 213550.8 | | 213234.2 | | 27.48 | mg/L | 27.48 | mg/L | 18:44:37 |
| 2 | Y 371.029 | 3126044.0 | | 3126044.0 | | 0.962 | mg/L | | | 18:45:48 |
| 2 | Ag 328.068† | 342539.0 | | 357826.1 | | 1.408 | mg/L | 1.408 | mg/L | 18:45:53 |
| 2 | Al 237.313† | 217766.3 | | 226562.1 | | 32.75 | mg/L | 32.75 | mg/L | 18:45:53 |
| 2 | As 188.979† | 317.4 | | 325.6 | | 0.5041 | mg/L | 0.5041 | mg/L | 18:46:14 |
| 2 | B 182.528† | 189.3 | | 200.1 | | 0.4318 | mg/L | 0.4318 | mg/L | 18:46:14 |
| 2 | Ba 233.527† | 137707.2 | | 143244.3 | | 1.602 | mg/L | 1.602 | mg/L | 18:45:53 |
| 2 | Be 313.107† | 178709.4 | | 184751.8 | | 0.0460 | mg/L | 0.0460 | mg/L | 18:45:48 |
| 2 | Ca 315.886† | 5819746.9 | | 6049131.1 | | 51.01 | mg/L | 51.01 | mg/L | 18:45:48 |
| 2 | Cd 228.802† | 9964.0 | | 10210.3 | | 0.2615 | mg/L | 0.2615 | mg/L | 18:46:14 |
| 2 | Co 228.616† | 14464.8 | | 15104.7 | | 0.4537 | mg/L | 0.4537 | mg/L | 18:46:14 |
| 2 | Cr 267.716† | 215677.5 | | 222499.7 | | 1.751 | mg/L | 1.751 | mg/L | 18:45:53 |
| 2 | Cu 324.752† | 10727801.7 | | 11149738.6 | | 48.61 | mg/L | 48.61 | mg/L | 18:45:39 |
| 2 | Fe 234.349† | 2819517.6 | | 2929379.4 | | 65.67 | mg/L | 65.67 | mg/L | 18:45:48 |
| 2 | Fe 238.204† | 5764662.8 | | 5991711.3 | | 63.48 | mg/L | 63.48 | mg/L | 18:45:48 |
| 2 | Mg 279.077† | 239601.6 | | 248950.5 | | 14.20 | mg/L | 14.20 | mg/L | 18:45:53 |
| 2 | Mn 257.610† | 639096.4 | | 662755.9 | | 0.8904 | mg/L | 0.8904 | mg/L | 18:45:48 |
| 2 | Mo 202.031† | 6371.2 | | 6580.7 | | 0.5087 | mg/L | 0.5087 | mg/L | 18:46:14 |
| 2 | Ni 231.604† | 59588.5 | | 61261.6 | | 1.413 | mg/L | 1.413 | mg/L | 18:45:53 |
| 2 | P 214.914† | 22215.6 | | 23025.3 | | 20.55 | mg/L | 20.55 | mg/L | 18:45:53 |
| 2 | Pb 220.353† | 142125.6 | | 147869.4 | | 21.11 | mg/L | 21.11 | mg/L | 18:45:53 |
| 2 | Sb 206.836† | 619.7 | | 608.6 | | 0.3529 | mg/L | 0.3529 | mg/L | 18:46:14 |
| 2 | Se 196.026† | 567.3 | | 594.5 | | 0.8669 | mg/L | 0.8669 | mg/L | 18:46:14 |

| | | | | | | |
|---|-------------|-----------|-----------|-------------|-------------|----------|
| 2 | Sn 189.927† | 10636.6 | 10995.7 | 3.319 mg/L | 3.319 mg/L | 18:46:14 |
| 2 | Sr 407.771† | 7454209.4 | 7749174.7 | 0.3862 mg/L | 0.3862 mg/L | 18:45:39 |
| 2 | Ti 337.279† | 1275409.3 | 1327399.9 | 1.929 mg/L | 1.929 mg/L | 18:45:48 |
| 2 | Tl 190.801† | 521.1 | 560.9 | 0.4945 mg/L | 0.4945 mg/L | 18:46:14 |
| 2 | V 292.402† | 2995283.2 | 3114926.9 | 15.62 mg/L | 15.62 mg/L | 18:45:48 |
| 2 | Zn 213.857† | 336991.7 | 349585.6 | 4.599 mg/L | 4.599 mg/L | 18:45:53 |

Mean Data: BH61418-MS1

| Analyte | Mean Corrected | | Calib | Std.Dev. | Sample | | RSD |
|-------------|----------------|--------|-------|----------|--------|-------|-------|
| | Intensity | Conc. | | | Units | Conc. | |
| Y 371.029 | 3118628.1 | 0.960 | mg/L | 0.0032 | | | 0.34% |
| Ag 328.068† | 360363.5 | 1.418 | mg/L | 0.0141 | 1.418 | mg/L | 0.99% |
| Al 237.313† | 228388.0 | 33.01 | mg/L | 0.376 | 33.01 | mg/L | 1.14% |
| As 188.979† | 324.3 | 0.5021 | mg/L | 0.00284 | 0.5021 | mg/L | 0.57% |
| B 182.528† | 201.1 | 0.4340 | mg/L | 0.00309 | 0.4340 | mg/L | 0.71% |
| Ba 233.527† | 144389.0 | 1.615 | mg/L | 0.0182 | 1.615 | mg/L | 1.13% |
| Be 313.107† | 185041.6 | 0.0461 | mg/L | 0.00011 | 0.0461 | mg/L | 0.24% |
| Ca 315.886† | 6060616.3 | 51.11 | mg/L | 0.137 | 51.11 | mg/L | 0.27% |
| Cd 228.802† | 10249.2 | 0.2625 | mg/L | 0.00145 | 0.2625 | mg/L | 0.55% |
| Co 228.616† | 15132.0 | 0.4545 | mg/L | 0.00117 | 0.4545 | mg/L | 0.26% |
| Cr 267.716† | 224285.8 | 1.765 | mg/L | 0.0199 | 1.765 | mg/L | 1.13% |
| Cu 324.752† | 11147734.3 | 48.60 | mg/L | 0.012 | 48.60 | mg/L | 0.03% |
| Fe 234.349† | 2934519.8 | 65.79 | mg/L | 0.163 | 65.79 | mg/L | 0.25% |
| Fe 238.204† | 6003022.7 | 63.60 | mg/L | 0.169 | 63.60 | mg/L | 0.27% |
| K 766.490† | 56989.1 | 25.72 | mg/L | 0.073 | 25.72 | mg/L | 0.28% |
| Li 670.784† | 43088.9 | 0.5210 | mg/L | 0.00087 | 0.5210 | mg/L | 0.17% |
| Mg 279.077† | 251175.0 | 14.33 | mg/L | 0.180 | 14.33 | mg/L | 1.26% |
| Mn 257.610† | 663715.4 | 0.8917 | mg/L | 0.00183 | 0.8917 | mg/L | 0.20% |
| Mo 202.031† | 6604.5 | 0.5105 | mg/L | 0.00261 | 0.5105 | mg/L | 0.51% |
| Na 589.592† | 212904.6 | 27.44 | mg/L | 0.060 | 27.44 | mg/L | 0.22% |
| Ni 231.604† | 61834.5 | 1.426 | mg/L | 0.0187 | 1.426 | mg/L | 1.31% |
| P 214.914† | 23279.5 | 20.77 | mg/L | 0.321 | 20.77 | mg/L | 1.54% |
| Pb 220.353† | 149204.8 | 21.30 | mg/L | 0.270 | 21.30 | mg/L | 1.27% |
| Sb 206.836† | 611.5 | 0.3542 | mg/L | 0.00184 | 0.3542 | mg/L | 0.52% |
| Se 196.026† | 596.5 | 0.8699 | mg/L | 0.00424 | 0.8699 | mg/L | 0.49% |
| Sn 189.927† | 11022.7 | 3.327 | mg/L | 0.0116 | 3.327 | mg/L | 0.35% |
| Sr 407.771† | 7750972.9 | 0.3863 | mg/L | 0.00013 | 0.3863 | mg/L | 0.03% |
| Ti 337.279† | 1328754.2 | 1.931 | mg/L | 0.0028 | 1.931 | mg/L | 0.14% |
| Tl 190.801† | 565.1 | 0.4985 | mg/L | 0.00569 | 0.4985 | mg/L | 1.14% |
| V 292.402† | 3117424.4 | 15.63 | mg/L | 0.018 | 15.63 | mg/L | 0.11% |
| Zn 213.857† | 352503.2 | 4.637 | mg/L | 0.0540 | 4.637 | mg/L | 1.16% |

Matrix Recovery Check: BH61418-MS1

| Analyte | Expected | Measured | Std. | Units | Recovery |
|------------|----------|----------|-------|-------|----------|
| | Conc. | Conc. | | | |
| K 766.490 | 28.24 | 25.72 | 0.073 | mg/L | 89.9 |
| Li 670.784 | 0.5460 | 0.5210 | 0.001 | mg/L | 95.0 |
| Na 589.592 | 31.11 | 27.44 | 0.060 | mg/L | 85.3 |
| Ag 328.068 | 1.250 | 1.418 | 0.014 | mg/L | 167.5 |
| Al 237.313 | 28.55 | 33.01 | 0.376 | mg/L | 278.8 |
| As 188.979 | 0.5817 | 0.5021 | 0.003 | mg/L | 84.1 |
| B 182.528 | 0.5261 | 0.4340 | 0.003 | mg/L | 81.6 |
| Ba 233.527 | 1.607 | 1.615 | 0.018 | mg/L | 101.5 |
| Be 313.107 | 0.0522 | 0.0461 | 0.000 | mg/L | 87.8 |
| Ca 315.886 | 50.15 | 51.11 | 0.137 | mg/L | 119.3 |
| Cd 228.802 | 0.2951 | 0.2625 | 0.001 | mg/L | 87.0 |
| Co 228.616 | 0.5179 | 0.4545 | 0.001 | mg/L | 87.3 |
| Cr 267.716 | 1.546 | 1.765 | 0.020 | mg/L | 143.9 |
| Cu 324.752 | 43.91 | 48.60 | 0.012 | mg/L | 1039.0 |
| Fe 234.349 | 66.47 | 65.79 | 0.163 | mg/L | 72.8 |
| Fe 238.204 | 64.66 | 63.60 | 0.169 | mg/L | 57.4 |
| Mg 279.077 | 14.13 | 14.33 | 0.180 | mg/L | 104.1 |
| Mn 257.610 | 0.9635 | 0.8917 | 0.002 | mg/L | 85.6 |
| Mo 202.031 | 0.5592 | 0.5105 | 0.003 | mg/L | 90.3 |
| Ni 231.604 | 1.356 | 1.426 | 0.019 | mg/L | 114.0 |
| P 214.914 | 20.15 | 20.77 | 0.321 | mg/L | 112.5 |
| Pb 220.353 | 18.46 | 21.30 | 0.270 | mg/L | 667.9 |
| Sb 206.836 | 0.5216 | 0.3542 | 0.002 | mg/L | 66.5 |
| Se 196.026 | 1.021 | 0.8699 | 0.004 | mg/L | 84.9 |
| Sn 189.927 | 2.952 | 3.327 | 0.012 | mg/L | 175.1 |

| | | | | | |
|------------|--------|--------|-------|------|-------|
| Sr 407.771 | 0.3851 | 0.3863 | 0.000 | mg/L | 102.3 |
| Ti 337.279 | 1.907 | 1.931 | 0.003 | mg/L | 104.9 |
| Tl 190.801 | 0.5485 | 0.4985 | 0.006 | mg/L | 90.0 |
| V 292.402 | 14.78 | 15.63 | 0.018 | mg/L | 269.4 |
| Zn 213.857 | 4.530 | 4.637 | 0.054 | mg/L | 121.4 |

Sequence No.: 21
 Sample ID: BH61418-SD1
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 25
 Date Collected: 8/14/2006 6:47:50 PM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Replicate Data: BH61418-SD1

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. Units | Sample Conc. Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------------------|--------------------|---------------|
| 1 | K 766.490† | 743.3 | 1165.0 | 1.133 mg/L | 1.133 mg/L | 18:49:25 |
| 1 | Li 670.784† | 442.3 | 569.0 | 0.0168 mg/L | 0.0168 mg/L | 18:49:25 |
| 1 | Na 589.592 | 9477.4 | 9160.8 | 1.355 mg/L | 1.355 mg/L | 18:49:25 |
| 1 | Y 371.029 | 3222897.8 | 3222897.8 | 0.992 mg/L | 0.992 mg/L | 18:49:41 |
| 1 | Ag 328.068† | 50723.2 | 52890.1 | 0.2086 mg/L | 0.2086 mg/L | 18:49:46 |
| 1 | Al 237.313† | 36342.6 | 36831.3 | 5.312 mg/L | 5.312 mg/L | 18:49:46 |
| 1 | As 188.979† | 18.3 | 14.1 | 0.0194 mg/L | 0.0194 mg/L | 18:50:07 |
| 1 | B 182.528† | 3.7 | 7.0 | 0.0202 mg/L | 0.0202 mg/L | 18:50:07 |
| 1 | Ba 233.527† | 19935.9 | 20194.8 | 0.2243 mg/L | 0.2243 mg/L | 18:49:46 |
| 1 | Be 313.107† | 4201.4 | 3214.2 | 0.0004 mg/L | 0.0004 mg/L | 18:49:41 |
| 1 | Ca 315.886† | 1070307.6 | 1078508.3 | 9.077 mg/L | 9.077 mg/L | 18:49:41 |
| 1 | Cd 228.802† | 518.7 | 375.4 | 0.0083 mg/L | 0.0083 mg/L | 18:50:07 |
| 1 | Co 228.616† | 89.9 | 158.7 | 0.0005 mg/L | 0.0005 mg/L | 18:50:07 |
| 1 | Cr 267.716† | 28792.7 | 27327.9 | 0.2139 mg/L | 0.2139 mg/L | 18:49:46 |
| 1 | Cu 324.752† | 2018721.7 | 2033320.7 | 8.863 mg/L | 8.863 mg/L | 18:49:41 |
| 1 | Fe 234.349† | 587440.3 | 590715.7 | 13.24 mg/L | 13.24 mg/L | 18:49:41 |
| 1 | Fe 238.204† | 1237282.1 | 1246709.0 | 13.20 mg/L | 13.20 mg/L | 18:49:41 |
| 1 | Mg 279.077† | 33204.5 | 33357.2 | 1.885 mg/L | 1.885 mg/L | 18:49:46 |
| 1 | Mn 257.610† | 75247.5 | 74267.1 | 0.0975 mg/L | 0.0975 mg/L | 18:49:46 |
| 1 | Mo 202.031† | 215.6 | 175.1 | 0.0126 mg/L | 0.0126 mg/L | 18:50:07 |
| 1 | Ni 231.604† | 8361.4 | 7748.3 | 0.1755 mg/L | 0.1755 mg/L | 18:49:46 |
| 1 | P 214.914† | 3598.9 | 3560.3 | 3.189 mg/L | 3.189 mg/L | 18:49:46 |
| 1 | Pb 220.353† | 25990.4 | 26331.5 | 3.757 mg/L | 3.757 mg/L | 18:49:46 |
| 1 | Sb 206.836† | 27.3 | -8.0 | 0.0012 mg/L | 0.0012 mg/L | 18:50:07 |
| 1 | Se 196.026† | -6.0 | -1.3 | -0.0012 mg/L | -0.0012 mg/L | 18:50:07 |
| 1 | Sn 189.927† | 1725.5 | 1678.4 | 0.5006 mg/L | 0.5006 mg/L | 18:50:07 |
| 1 | Sr 407.771† | 1354421.0 | 1365947.4 | 0.0679 mg/L | 0.0679 mg/L | 18:49:41 |
| 1 | Ti 337.279† | 189454.2 | 192598.1 | 0.2793 mg/L | 0.2793 mg/L | 18:49:41 |
| 1 | Tl 190.801† | 8.2 | 27.5 | 0.0303 mg/L | 0.0303 mg/L | 18:50:07 |
| 1 | V 292.402† | 560315.8 | 566200.1 | 2.837 mg/L | 2.837 mg/L | 18:49:41 |
| 1 | Zn 213.857† | 68182.0 | 68019.8 | 0.8924 mg/L | 0.8924 mg/L | 18:49:46 |
| 2 | K 766.490† | 670.8 | 1081.6 | 1.097 mg/L | 1.097 mg/L | 18:49:31 |
| 2 | Li 670.784† | 482.4 | 602.0 | 0.0172 mg/L | 0.0172 mg/L | 18:49:31 |
| 2 | Na 589.592 | 9454.3 | 9137.6 | 1.352 mg/L | 1.352 mg/L | 18:49:31 |
| 2 | Y 371.029 | 3272908.9 | 3272908.9 | 1.01 mg/L | 1.01 mg/L | 18:50:14 |
| 2 | Ag 328.068† | 51069.5 | 52452.4 | 0.2069 mg/L | 0.2069 mg/L | 18:50:19 |
| 2 | Al 237.313† | 36574.7 | 36501.8 | 5.264 mg/L | 5.264 mg/L | 18:50:19 |
| 2 | As 188.979† | 19.4 | 14.8 | 0.0206 mg/L | 0.0206 mg/L | 18:50:39 |
| 2 | B 182.528† | 3.4 | 6.6 | 0.0195 mg/L | 0.0195 mg/L | 18:50:39 |
| 2 | Ba 233.527† | 20138.4 | 20088.6 | 0.2231 mg/L | 0.2231 mg/L | 18:50:19 |
| 2 | Be 313.107† | 4226.4 | 3174.4 | 0.0004 mg/L | 0.0004 mg/L | 18:50:14 |
| 2 | Ca 315.886† | 1091500.1 | 1083059.8 | 9.115 mg/L | 9.115 mg/L | 18:50:14 |
| 2 | Cd 228.802† | 521.3 | 370.0 | 0.0081 mg/L | 0.0081 mg/L | 18:50:39 |
| 2 | Co 228.616† | 104.5 | 171.8 | 0.0009 mg/L | 0.0009 mg/L | 18:50:39 |
| 2 | Cr 267.716† | 29023.1 | 27113.0 | 0.2122 mg/L | 0.2122 mg/L | 18:50:19 |
| 2 | Cu 324.752† | 2046984.0 | 2030279.3 | 8.850 mg/L | 8.850 mg/L | 18:50:14 |
| 2 | Fe 234.349† | 598437.8 | 592584.2 | 13.28 mg/L | 13.28 mg/L | 18:50:14 |
| 2 | Fe 238.204† | 1261208.0 | 1251401.8 | 13.25 mg/L | 13.25 mg/L | 18:50:14 |
| 2 | Mg 279.077† | 33524.9 | 33163.7 | 1.874 mg/L | 1.874 mg/L | 18:50:19 |
| 2 | Mn 257.610† | 75787.1 | 73643.6 | 0.0967 mg/L | 0.0967 mg/L | 18:50:19 |
| 2 | Mo 202.031† | 215.4 | 171.5 | 0.0123 mg/L | 0.0123 mg/L | 18:50:39 |
| 2 | Ni 231.604† | 8444.8 | 7702.3 | 0.1745 mg/L | 0.1745 mg/L | 18:50:19 |
| 2 | P 214.914† | 3632.1 | 3537.8 | 3.169 mg/L | 3.169 mg/L | 18:50:19 |
| 2 | Pb 220.353† | 26257.0 | 26195.7 | 3.737 mg/L | 3.737 mg/L | 18:50:19 |
| 2 | Sb 206.836† | 20.4 | -15.4 | -0.0028 mg/L | -0.0028 mg/L | 18:50:39 |

| | | | | | | |
|---|-------------|-----------|-----------|--------------|--------------|----------|
| 2 | Se 196.026† | -6.1 | -1.3 | -0.0013 mg/L | -0.0013 mg/L | 18:50:39 |
| 2 | Sn 189.927† | 1738.5 | 1664.7 | 0.4965 mg/L | 0.4965 mg/L | 18:50:39 |
| 2 | Sr 407.771† | 1375290.0 | 1365800.3 | 0.0679 mg/L | 0.0679 mg/L | 18:50:14 |
| 2 | Ti 337.279† | 192891.2 | 193091.7 | 0.2800 mg/L | 0.2800 mg/L | 18:50:14 |
| 2 | Tl 190.801† | 0.5 | 19.7 | 0.0228 mg/L | 0.0228 mg/L | 18:50:39 |
| 2 | V 292.402† | 570261.3 | 567442.1 | 2.844 mg/L | 2.844 mg/L | 18:50:14 |
| 2 | Zn 213.857† | 68642.2 | 67426.2 | 0.8846 mg/L | 0.8846 mg/L | 18:50:19 |

Mean Data: BH61418-SD1

| Analyte | Mean Corrected Intensity | Conc. | Calib Units | Std.Dev. | Sample Conc. | Units | Std.Dev. | RSD |
|-------------|--------------------------|---------|-------------|----------|--------------|-------|----------|---------|
| Y 371.029 | 3247903.4 | 0.999 | mg/L | 0.0109 | | | | |
| Ag 328.068† | 52671.2 | 0.2077 | mg/L | 0.00121 | 0.2077 | mg/L | 0.00121 | 1.09% |
| Al 237.313† | 36666.5 | 5.288 | mg/L | 0.0341 | 5.288 | mg/L | 0.0341 | 0.58% |
| As 188.979† | 14.4 | 0.0200 | mg/L | 0.00088 | 0.0200 | mg/L | 0.00088 | 0.64% |
| B 182.528† | 6.8 | 0.0198 | mg/L | 0.00054 | 0.0198 | mg/L | 0.00054 | 4.42% |
| Ba 233.527† | 20141.7 | 0.2237 | mg/L | 0.00085 | 0.2237 | mg/L | 0.00085 | 2.73% |
| Be 313.107† | 3194.3 | 0.0004 | mg/L | 0.00001 | 0.0004 | mg/L | 0.00001 | 0.38% |
| Ca 315.886† | 1080784.0 | 9.096 | mg/L | 0.0271 | 9.096 | mg/L | 0.0271 | 1.97% |
| Cd 228.802† | 372.7 | 0.0082 | mg/L | 0.00010 | 0.0082 | mg/L | 0.00010 | 0.30% |
| Co 228.616† | 165.3 | 0.0007 | mg/L | 0.00028 | 0.0007 | mg/L | 0.00028 | 1.26% |
| Cr 267.716† | 27220.4 | 0.2131 | mg/L | 0.00120 | 0.2131 | mg/L | 0.00120 | 39.86% |
| Cu 324.752† | 2031800.0 | 8.857 | mg/L | 0.0094 | 8.857 | mg/L | 0.0094 | 0.56% |
| Fe 234.349† | 591650.0 | 13.26 | mg/L | 0.030 | 13.26 | mg/L | 0.030 | 0.11% |
| Fe 238.204† | 1249055.4 | 13.22 | mg/L | 0.035 | 13.22 | mg/L | 0.035 | 0.22% |
| K 766.490† | 1123.3 | 1.115 | mg/L | 0.0260 | 1.115 | mg/L | 0.0260 | 0.27% |
| Li 670.784† | 585.5 | 0.0170 | mg/L | 0.00028 | 0.0170 | mg/L | 0.00028 | 2.33% |
| Mg 279.077† | 33260.4 | 1.879 | mg/L | 0.0078 | 1.879 | mg/L | 0.0078 | 1.63% |
| Mn 257.610† | 73955.4 | 0.0971 | mg/L | 0.00059 | 0.0971 | mg/L | 0.00059 | 0.42% |
| Mo 202.031† | 173.3 | 0.0124 | mg/L | 0.00019 | 0.0124 | mg/L | 0.00019 | 0.61% |
| Na 589.592 | 9149.2 | 1.354 | mg/L | 0.0021 | 1.354 | mg/L | 0.0021 | 1.56% |
| Ni 231.604† | 7725.3 | 0.1750 | mg/L | 0.00075 | 0.1750 | mg/L | 0.00075 | 0.15% |
| P 214.914† | 3549.1 | 3.179 | mg/L | 0.0142 | 3.179 | mg/L | 0.0142 | 0.43% |
| Pb 220.353† | 26263.6 | 3.747 | mg/L | 0.0137 | 3.747 | mg/L | 0.0137 | 0.45% |
| Sb 206.836† | -11.7 | -0.0008 | mg/L | 0.00278 | -0.0008 | mg/L | 0.00278 | 0.37% |
| Se 196.026† | -1.3 | -0.0013 | mg/L | 0.00004 | -0.0013 | mg/L | 0.00004 | 342.20% |
| Sn 189.927† | 1671.6 | 0.4985 | mg/L | 0.00292 | 0.4985 | mg/L | 0.00292 | 3.44% |
| Sr 407.771† | 1365873.8 | 0.0679 | mg/L | 0.00001 | 0.0679 | mg/L | 0.00001 | 0.59% |
| Ti 337.279† | 192844.9 | 0.2796 | mg/L | 0.00051 | 0.2796 | mg/L | 0.00051 | 0.01% |
| Tl 190.801† | 23.6 | 0.0266 | mg/L | 0.00530 | 0.0266 | mg/L | 0.00530 | 0.18% |
| V 292.402† | 566821.1 | 2.841 | mg/L | 0.0044 | 2.841 | mg/L | 0.0044 | 19.94% |
| Zn 213.857† | 67723.0 | 0.8885 | mg/L | 0.00549 | 0.8885 | mg/L | 0.00549 | 0.15% |

Dilution Check: BH61418-SD1

| Analyte | Expected Conc. | Measured Conc. | Std. Dev. | Units | Difference (%) |
|------------|----------------|----------------|-----------|-------|----------------|
| K 766.490 | 0.6483 | 1.115 | 0.026 | mg/L | 72.0 |
| Li 670.784 | 0.0092 | 0.0170 | 0.000 | mg/L | 84.4 |
| Na 589.592 | 1.222 | 1.354 | 0.002 | mg/L | 10.8 |
| Y 371.029 | | | 0.000 | mg/L | Not calculated |
| Ag 328.068 | 0.1999 | 0.2077 | 0.001 | mg/L | 3.9 |
| Al 237.313 | 5.209 | 5.288 | 0.034 | mg/L | 1.5 |
| As 188.979 | 0.0163 | 0.0200 | 0.001 | mg/L | 22.4 |
| B 182.528 | 0.0052 | 0.0198 | 0.001 | mg/L | 280.4 |
| Ba 233.527 | 0.2214 | 0.2237 | 0.001 | mg/L | 1.0 |
| Be 313.107 | 0.0004 | 0.0004 | 0.000 | mg/L | 6.7 |
| Ca 315.886 | 9.029 | 9.096 | 0.027 | mg/L | 0.7 |
| Cd 228.802 | 0.0090 | 0.0082 | 0.000 | mg/L | 9.0 |
| Co 228.616 | 0.0036 | 0.0007 | 0.000 | mg/L | 80.2 |
| Cr 267.716 | 0.2091 | 0.2131 | 0.001 | mg/L | 1.9 |
| Cu 324.752 | 8.682 | 8.857 | 0.009 | mg/L | 2.0 |
| Fe 234.349 | 12.79 | 13.26 | 0.030 | mg/L | 3.6 |
| Fe 238.204 | 12.43 | 13.22 | 0.035 | mg/L | 6.4 |
| Mg 279.077 | 1.825 | 1.879 | 0.008 | mg/L | 3.0 |
| Mn 257.610 | 0.0927 | 0.0971 | 0.001 | mg/L | 4.7 |
| Mo 202.031 | 0.0118 | 0.0124 | 0.000 | mg/L | 5.0 |
| Ni 231.604 | 0.1713 | 0.1750 | 0.001 | mg/L | 2.2 |
| P 214.914 | 3.030 | 3.179 | 0.014 | mg/L | 4.9 |
| Pb 220.353 | 3.592 | 3.747 | 0.014 | mg/L | 4.3 |
| Sb 206.836 | 0.0043 | -0.0008 | 0.003 | mg/L | 118.8 |

| | | | | | |
|------------|--------|---------|-------|------|-------|
| Se 196.026 | 0.0042 | -0.0013 | 0.000 | mg/L | 129.4 |
| Sn 189.927 | 0.4904 | 0.4985 | 0.003 | mg/L | 1.6 |
| Sr 407.771 | 0.0670 | 0.0679 | 0.000 | mg/L | 1.3 |
| Ti 337.279 | 0.2813 | 0.2796 | 0.001 | mg/L | 0.6 |
| Tl 190.801 | 0.0097 | 0.0266 | 0.005 | mg/L | 173.4 |
| V 292.402 | 2.857 | 2.841 | 0.004 | mg/L | 0.6 |
| Zn 213.857 | 0.8060 | 0.8885 | 0.005 | mg/L | 10.2 |

Sequence No.: 22
 Sample ID: BH61418-PDS1
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 26
 Date Collected: 8/14/2006 6:52:17 PM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Replicate Data: BH61418-PDS1

| Repl# | Analyte | Net Intensity | Corrected Intensity | Conc. Units | Sample Conc. Units | Analysis Time |
|-------|-------------|---------------|---------------------|-------------|--------------------|---------------|
| 1 | K 766.490† | 61135.4 | 63864.4 | 28.75 mg/L | 28.75 mg/L | 18:53:53 |
| 1 | Li 670.784† | 45703.9 | 47556.4 | 0.5740 mg/L | 0.5740 mg/L | 18:53:53 |
| 1 | Na 589.592 | 234654.8 | 234338.1 | 30.18 mg/L | 30.18 mg/L | 18:53:53 |
| 1 | Y 371.029 | 3131130.2 | 3131130.2 | 0.964 mg/L | | 18:54:24 |
| 1 | Ag 328.068† | 307320.4 | 320696.3 | 1.263 mg/L | 1.263 mg/L | 18:54:29 |
| 1 | Al 237.313† | 191763.3 | 199207.3 | 28.76 mg/L | 28.76 mg/L | 18:54:29 |
| 1 | As 188.979† | 346.0 | 354.7 | 0.5524 mg/L | 0.5524 mg/L | 18:54:50 |
| 1 | B 182.528† | 223.9 | 235.6 | 0.5076 mg/L | 0.5076 mg/L | 18:54:50 |
| 1 | Ba 233.527† | 137215.1 | 142501.0 | 1.594 mg/L | 1.594 mg/L | 18:54:29 |
| 1 | Be 313.107† | 198845.4 | 205348.1 | 0.0515 mg/L | 0.0515 mg/L | 18:54:24 |
| 1 | Ca 315.886† | 5759676.2 | 5976959.9 | 50.40 mg/L | 50.40 mg/L | 18:54:24 |
| 1 | Cd 228.802† | 10945.1 | 11211.7 | 0.2876 mg/L | 0.2876 mg/L | 18:54:50 |
| 1 | Co 228.616† | 16453.5 | 17144.2 | 0.5162 mg/L | 0.5162 mg/L | 18:54:50 |
| 1 | Cr 267.716† | 191535.0 | 197079.5 | 1.551 mg/L | 1.551 mg/L | 18:54:29 |
| 1 | Cu 324.752† | 9415554.7 | 9769718.6 | 42.60 mg/L | 42.60 mg/L | 18:54:15 |
| 1 | Fe 234.349† | 2844307.0 | 2950345.8 | 66.14 mg/L | 66.14 mg/L | 18:54:24 |
| 1 | Fe 238.204† | 5817842.8 | 6037169.5 | 63.96 mg/L | 63.96 mg/L | 18:54:24 |
| 1 | Mg 279.077† | 232736.2 | 241420.7 | 13.77 mg/L | 13.77 mg/L | 18:54:29 |
| 1 | Mn 257.610† | 686506.7 | 710881.2 | 0.9549 mg/L | 0.9549 mg/L | 18:54:24 |
| 1 | Mo 202.031† | 7145.4 | 7373.5 | 0.5701 mg/L | 0.5701 mg/L | 18:54:50 |
| 1 | Ni 231.604† | 56776.9 | 58243.0 | 1.343 mg/L | 1.343 mg/L | 18:54:29 |
| 1 | P 214.914† | 21312.6 | 22050.7 | 19.68 mg/L | 19.68 mg/L | 18:54:29 |
| 1 | Pb 220.353† | 123279.5 | 128070.2 | 18.28 mg/L | 18.28 mg/L | 18:54:29 |
| 1 | Sb 206.836† | 844.6 | 841.0 | 0.4794 mg/L | 0.4794 mg/L | 18:54:50 |
| 1 | Se 196.026† | 643.8 | 673.0 | 0.9812 mg/L | 0.9812 mg/L | 18:54:50 |
| 1 | Sn 189.927† | 9537.2 | 9836.7 | 2.969 mg/L | 2.969 mg/L | 18:54:50 |
| 1 | Sr 407.771† | 7334309.5 | 7612150.3 | 0.3794 mg/L | 0.3794 mg/L | 18:54:15 |
| 1 | Ti 337.279† | 1246599.0 | 1295345.7 | 1.883 mg/L | 1.883 mg/L | 18:54:24 |
| 1 | Tl 190.801† | 593.6 | 635.3 | 0.5700 mg/L | 0.5700 mg/L | 18:54:50 |
| 1 | V 292.402† | 2827332.1 | 2935562.3 | 14.72 mg/L | 14.72 mg/L | 18:54:24 |
| 1 | Zn 213.857† | 326748.5 | 338385.7 | 4.450 mg/L | 4.450 mg/L | 18:54:29 |
| 2 | K 766.490† | 61679.6 | 64059.8 | 28.83 mg/L | 28.83 mg/L | 18:54:00 |
| 2 | Li 670.784† | 46152.7 | 47745.8 | 0.5762 mg/L | 0.5762 mg/L | 18:54:00 |
| 2 | Na 589.592 | 236596.4 | 236279.8 | 30.43 mg/L | 30.43 mg/L | 18:54:00 |
| 2 | Y 371.029 | 3149303.0 | 3149303.0 | 0.969 mg/L | | 18:55:11 |
| 2 | Ag 328.068† | 307530.5 | 319072.7 | 1.256 mg/L | 1.256 mg/L | 18:55:16 |
| 2 | Al 237.313† | 191644.6 | 197936.5 | 28.57 mg/L | 28.57 mg/L | 18:55:16 |
| 2 | As 188.979† | 344.7 | 351.2 | 0.5468 mg/L | 0.5468 mg/L | 18:55:37 |
| 2 | B 182.528† | 219.2 | 229.5 | 0.4944 mg/L | 0.4944 mg/L | 18:55:37 |
| 2 | Ba 233.527† | 136860.9 | 141313.8 | 1.581 mg/L | 1.581 mg/L | 18:55:16 |
| 2 | Be 313.107† | 199980.9 | 205328.9 | 0.0514 mg/L | 0.0514 mg/L | 18:55:11 |
| 2 | Ca 315.886† | 5785425.3 | 5969035.6 | 50.33 mg/L | 50.33 mg/L | 18:55:11 |
| 2 | Cd 228.802† | 10938.8 | 11139.6 | 0.2858 mg/L | 0.2858 mg/L | 18:55:37 |
| 2 | Co 228.616† | 16366.5 | 16955.9 | 0.5104 mg/L | 0.5104 mg/L | 18:55:37 |
| 2 | Cr 267.716† | 191512.0 | 195908.6 | 1.542 mg/L | 1.542 mg/L | 18:55:16 |
| 2 | Cu 324.752† | 9422070.8 | 9720054.6 | 42.38 mg/L | 42.38 mg/L | 18:55:02 |
| 2 | Fe 234.349† | 2856549.7 | 2945944.6 | 66.04 mg/L | 66.04 mg/L | 18:55:11 |
| 2 | Fe 238.204† | 5842715.5 | 6027992.6 | 63.86 mg/L | 63.86 mg/L | 18:55:11 |
| 2 | Mg 279.077† | 232463.1 | 239745.2 | 13.68 mg/L | 13.68 mg/L | 18:55:16 |
| 2 | Mn 257.610† | 689858.6 | 710228.5 | 0.9540 mg/L | 0.9540 mg/L | 18:55:11 |
| 2 | Mo 202.031† | 7139.9 | 7324.9 | 0.5663 mg/L | 0.5663 mg/L | 18:55:37 |
| 2 | Ni 231.604† | 56625.6 | 57746.8 | 1.332 mg/L | 1.332 mg/L | 18:55:16 |
| 2 | P 214.914† | 21259.8 | 21868.5 | 19.52 mg/L | 19.52 mg/L | 18:55:16 |

| | | | | | | |
|---|-------------|-----------|-----------|-------------|-------------|----------|
| 2 | Pb 220.353† | 123251.3 | 127302.8 | 18.17 mg/L | 18.17 mg/L | 18:55:16 |
| 2 | Sb 206.836† | 852.1 | 843.7 | 0.4811 mg/L | 0.4811 mg/L | 18:55:37 |
| 2 | Se 196.026† | 645.9 | 671.2 | 0.9787 mg/L | 0.9787 mg/L | 18:55:37 |
| 2 | Sn 189.927† | 9504.1 | 9745.4 | 2.942 mg/L | 2.942 mg/L | 18:55:37 |
| 2 | Sr 407.771† | 7331576.5 | 7565406.6 | 0.3770 mg/L | 0.3770 mg/L | 18:55:02 |
| 2 | Ti 337.279† | 1255914.0 | 1297491.8 | 1.886 mg/L | 1.886 mg/L | 18:55:11 |
| 2 | Tl 190.801† | 587.0 | 624.8 | 0.5601 mg/L | 0.5601 mg/L | 18:55:37 |
| 2 | V 292.402† | 2841599.4 | 2933351.8 | 14.71 mg/L | 14.71 mg/L | 18:55:11 |
| 2 | Zn 213.857† | 326623.5 | 336300.0 | 4.423 mg/L | 4.423 mg/L | 18:55:16 |

Mean Data: BH61418-PDS1

| Analyte | Mean Corrected Intensity | Calib Conc. Units | Std.Dev. | Sample Conc. Units | Std.Dev. | RSD |
|-------------|--------------------------|-------------------|----------|--------------------|----------|-------|
| Y 371.029 | 3140216.6 | 0.966 mg/L | 0.0040 | | | 0.41% |
| Ag 328.068† | 319884.5 | 1.260 mg/L | 0.0045 | 1.260 mg/L | 0.0045 | 0.36% |
| Al 237.313† | 198571.9 | 28.67 mg/L | 0.131 | 28.67 mg/L | 0.131 | 0.46% |
| As 188.979† | 353.0 | 0.5496 mg/L | 0.00392 | 0.5496 mg/L | 0.00392 | 0.71% |
| B 182.528† | 232.5 | 0.5010 mg/L | 0.00930 | 0.5010 mg/L | 0.00930 | 1.86% |
| Ba 233.527† | 141907.4 | 1.587 mg/L | 0.0095 | 1.587 mg/L | 0.0095 | 0.60% |
| Be 313.107† | 205338.5 | 0.0514 mg/L | 0.00001 | 0.0514 mg/L | 0.00001 | 0.01% |
| Ca 315.886† | 5972997.7 | 50.37 mg/L | 0.047 | 50.37 mg/L | 0.047 | 0.09% |
| Cd 228.802† | 11175.7 | 0.2867 mg/L | 0.00132 | 0.2867 mg/L | 0.00132 | 0.46% |
| Co 228.616† | 17050.1 | 0.5133 mg/L | 0.00407 | 0.5133 mg/L | 0.00407 | 0.79% |
| Cr 267.716† | 196494.0 | 1.546 mg/L | 0.0065 | 1.546 mg/L | 0.0065 | 0.42% |
| Cu 324.752† | 9744886.6 | 42.49 mg/L | 0.153 | 42.49 mg/L | 0.153 | 0.36% |
| Fe 234.349† | 2948145.2 | 66.09 mg/L | 0.070 | 66.09 mg/L | 0.070 | 0.11% |
| Fe 238.204† | 6032581.0 | 63.91 mg/L | 0.069 | 63.91 mg/L | 0.069 | 0.11% |
| K 766.490† | 63962.1 | 28.79 mg/L | 0.061 | 28.79 mg/L | 0.061 | 0.21% |
| Li 670.784† | 47651.1 | 0.5751 mg/L | 0.00159 | 0.5751 mg/L | 0.00159 | 0.28% |
| Mg 279.077† | 240582.9 | 13.72 mg/L | 0.068 | 13.72 mg/L | 0.068 | 0.49% |
| Mn 257.610† | 710554.8 | 0.9545 mg/L | 0.00062 | 0.9545 mg/L | 0.00062 | 0.07% |
| Mo 202.031† | 7349.2 | 0.5682 mg/L | 0.00266 | 0.5682 mg/L | 0.00266 | 0.47% |
| Na 589.592 | 235309.0 | 30.31 mg/L | 0.176 | 30.31 mg/L | 0.176 | 0.58% |
| Ni 231.604† | 57994.9 | 1.338 mg/L | 0.0081 | 1.338 mg/L | 0.0081 | 0.61% |
| P 214.914† | 21959.6 | 19.60 mg/L | 0.115 | 19.60 mg/L | 0.115 | 0.59% |
| Pb 220.353† | 127686.5 | 18.23 mg/L | 0.077 | 18.23 mg/L | 0.077 | 0.43% |
| Sb 206.836† | 842.3 | 0.4803 mg/L | 0.00115 | 0.4803 mg/L | 0.00115 | 0.24% |
| Se 196.026† | 672.1 | 0.9800 mg/L | 0.00178 | 0.9800 mg/L | 0.00178 | 0.18% |
| Sn 189.927† | 9791.1 | 2.955 mg/L | 0.0195 | 2.955 mg/L | 0.0195 | 0.66% |
| Sr 407.771† | 7588778.4 | 0.3782 mg/L | 0.00165 | 0.3782 mg/L | 0.00165 | 0.44% |
| Ti 337.279† | 1296418.7 | 1.884 mg/L | 0.0022 | 1.884 mg/L | 0.0022 | 0.12% |
| Tl 190.801† | 630.0 | 0.5651 mg/L | 0.00699 | 0.5651 mg/L | 0.00699 | 1.24% |
| V 292.402† | 2934457.1 | 14.71 mg/L | 0.008 | 14.71 mg/L | 0.008 | 0.05% |
| Zn 213.857† | 337342.8 | 4.437 mg/L | 0.0193 | 4.437 mg/L | 0.0193 | 0.43% |

Matrix Recovery Check: BH61418-PDS1

| Analyte | Expected Conc. | Measured Conc. | Std. Dev. | Units | Recovery (%) |
|------------|----------------|----------------|-----------|-------|--------------|
| K 766.490 | 28.24 | 28.79 | 0.061 | mg/L | 102.2 |
| Li 670.784 | 0.5460 | 0.5751 | 0.002 | mg/L | 105.8 |
| Na 589.592 | 31.11 | 30.31 | 0.176 | mg/L | 96.8 |
| Ag 328.068 | 1.250 | 1.260 | 0.005 | mg/L | 104.0 |
| Al 237.313 | 28.55 | 28.67 | 0.131 | mg/L | 104.8 |
| As 188.979 | 0.5817 | 0.5496 | 0.004 | mg/L | 93.6 |
| B 182.528 | 0.5261 | 0.5010 | 0.009 | mg/L | 95.0 |
| Ba 233.527 | 1.607 | 1.587 | 0.009 | mg/L | 96.1 |
| Be 313.107 | 0.0522 | 0.0514 | 0.000 | mg/L | 98.4 |
| Ca 315.886 | 50.15 | 50.37 | 0.047 | mg/L | 104.4 |
| Cd 228.802 | 0.2951 | 0.2867 | 0.001 | mg/L | 96.6 |
| Co 228.616 | 0.5179 | 0.5133 | 0.004 | mg/L | 99.1 |
| Cr 267.716 | 1.546 | 1.546 | 0.007 | mg/L | 100.1 |
| Cu 324.752 | 43.91 | 42.49 | 0.153 | mg/L | -184.0 |
| Fe 234.349 | 66.47 | 66.09 | 0.070 | mg/L | 85.1 |
| Fe 238.204 | 64.66 | 63.91 | 0.069 | mg/L | 69.9 |
| Mg 279.077 | 14.13 | 13.72 | 0.068 | mg/L | 92.0 |
| Mn 257.610 | 0.9635 | 0.9545 | 0.001 | mg/L | 98.2 |
| Mo 202.031 | 0.5592 | 0.5682 | 0.003 | mg/L | 101.8 |
| Ni 231.604 | 1.356 | 1.338 | 0.008 | mg/L | 96.3 |
| P 214.914 | 20.15 | 19.60 | 0.115 | mg/L | 89.0 |
| Pb 220.353 | 18.46 | 18.23 | 0.077 | mg/L | 53.5 |

| | | | | | |
|------------|--------|--------|-------|------|-------|
| Sb 206.836 | 0.5216 | 0.4803 | 0.001 | mg/L | 91.7 |
| Se 196.026 | 1.021 | 0.9800 | 0.002 | mg/L | 95.9 |
| Sn 189.927 | 2.952 | 2.955 | 0.020 | mg/L | 100.6 |
| Sr 407.771 | 0.3851 | 0.3782 | 0.002 | mg/L | 86.2 |
| Ti 337.279 | 1.907 | 1.884 | 0.002 | mg/L | 95.5 |
| Tl 190.801 | 0.5485 | 0.5651 | 0.007 | mg/L | 103.3 |
| V 292.402 | 14.78 | 14.71 | 0.008 | mg/L | 86.1 |
| Zn 213.857 | 4.530 | 4.437 | 0.019 | mg/L | 81.4 |

Sequence No.: 23
 Sample ID: 0608248-09
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 27
 Date Collected: 8/14/2006 6:57:14 PM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Replicate Data: 0608248-09

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. Units | Sample Conc. Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------------------|--------------------|---------------|
| 1 | K 766.490† | 13022.4 | 13384.7 | 6.515 mg/L | 6.515 mg/L | 18:58:47 |
| 1 | Li 670.784† | 4402.5 | 4507.5 | 0.0635 mg/L | 0.0635 mg/L | 18:58:47 |
| 1 | Na 589.592 | 41859.6 | 41542.9 | 5.501 mg/L | 5.501 mg/L | 18:58:47 |
| 1 | Y 371.029 | 3262959.6 | 3262959.6 | 1.00 mg/L | | 18:59:06 |
| 1 | Ag 328.068† | 358008.5 | 358291.0 | 1.407 mg/L | 1.407 mg/L | 18:59:06 |
| 1 | Al 237.313† | 349308.7 | 348067.8 | 50.43 mg/L | 50.43 mg/L | 18:59:11 |
| 1 | As 188.979† | 25.2 | 20.7 | 0.0313 mg/L | 0.0313 mg/L | 18:59:31 |
| 1 | B 182.528† | 8.5 | 11.8 | 0.0305 mg/L | 0.0305 mg/L | 18:59:31 |
| 1 | Ba 233.527† | 21427.6 | 21433.5 | 0.2402 mg/L | 0.2402 mg/L | 18:59:11 |
| 1 | Be 313.107† | 13693.3 | 12615.4 | 0.0012 mg/L | 0.0012 mg/L | 18:59:11 |
| 1 | Ca 315.886† | 1468070.9 | 1461395.2 | 12.28 mg/L | 12.28 mg/L | 18:59:06 |
| 1 | Cd 228.802† | 221.6 | 73.0 | 0.0013 mg/L | 0.0013 mg/L | 18:59:31 |
| 1 | Co 228.616† | 1044.5 | 1108.3 | 0.0242 mg/L | 0.0242 mg/L | 18:59:31 |
| 1 | Cr 267.716† | 10981.7 | 9233.2 | 0.0746 mg/L | 0.0746 mg/L | 18:59:11 |
| 1 | Cu 324.752† | 360671.1 | 357058.7 | 1.568 mg/L | 1.568 mg/L | 18:59:06 |
| 1 | Fe 234.349† | 3071544.3 | 3057390.3 | 68.56 mg/L | 68.56 mg/L | 18:59:06 |
| 1 | Fe 238.204† | 6273537.3 | 6247054.7 | 66.16 mg/L | 66.16 mg/L | 18:59:06 |
| 1 | Mg 279.077† | 197004.5 | 196076.3 | 11.18 mg/L | 11.18 mg/L | 18:59:11 |
| 1 | Mn 257.610† | 976233.3 | 970637.4 | 1.301 mg/L | 1.301 mg/L | 18:59:06 |
| 1 | Mo 202.031† | 131.3 | 88.4 | 0.0058 mg/L | 0.0058 mg/L | 18:59:31 |
| 1 | Ni 231.604† | 4670.3 | 3968.7 | 0.0882 mg/L | 0.0882 mg/L | 18:59:11 |
| 1 | P 214.914† | 6711.9 | 6616.0 | 5.914 mg/L | 5.914 mg/L | 18:59:31 |
| 1 | Pb 220.353† | 35739.9 | 35719.3 | 5.107 mg/L | 5.107 mg/L | 18:59:11 |
| 1 | Sb 206.836† | 32.4 | -3.3 | -0.0072 mg/L | -0.0072 mg/L | 18:59:31 |
| 1 | Se 196.026† | -7.4 | -2.6 | -0.0032 mg/L | -0.0032 mg/L | 18:59:31 |
| 1 | Sn 189.927† | 295.5 | 232.8 | 0.0687 mg/L | 0.0687 mg/L | 18:59:31 |
| 1 | Sr 407.771† | 1256312.5 | 1251472.9 | 0.0622 mg/L | 0.0622 mg/L | 18:59:06 |
| 1 | Ti 337.279† | 1913910.5 | 1907658.0 | 2.773 mg/L | 2.773 mg/L | 18:59:06 |
| 1 | Tl 190.801† | -24.4 | -5.1 | 0.0267 mg/L | 0.0267 mg/L | 18:59:31 |
| 1 | V 292.402† | 15691.4 | 16866.1 | 0.0719 mg/L | 0.0719 mg/L | 18:59:11 |
| 1 | Zn 213.857† | 50916.8 | 49981.1 | 0.6467 mg/L | 0.6467 mg/L | 18:59:11 |
| 2 | K 766.490† | 12960.0 | 13396.9 | 6.521 mg/L | 6.521 mg/L | 18:58:53 |
| 2 | Li 670.784† | 4433.1 | 4563.4 | 0.0641 mg/L | 0.0641 mg/L | 18:58:53 |
| 2 | Na 589.592 | 41804.3 | 41487.6 | 5.494 mg/L | 5.494 mg/L | 18:58:53 |
| 2 | Y 371.029 | 3244288.8 | 3244288.8 | 0.998 mg/L | | 18:59:41 |
| 2 | Ag 328.068† | 356407.0 | 358738.8 | 1.408 mg/L | 1.408 mg/L | 18:59:41 |
| 2 | Al 237.313† | 354012.2 | 354781.1 | 51.41 mg/L | 51.41 mg/L | 18:59:46 |
| 2 | As 188.979† | 22.7 | 18.3 | 0.0276 mg/L | 0.0276 mg/L | 19:00:07 |
| 2 | B 182.528† | 8.3 | 11.6 | 0.0301 mg/L | 0.0301 mg/L | 19:00:07 |
| 2 | Ba 233.527† | 21663.1 | 21792.3 | 0.2443 mg/L | 0.2443 mg/L | 18:59:46 |
| 2 | Be 313.107† | 13806.6 | 12807.3 | 0.0013 mg/L | 0.0013 mg/L | 18:59:46 |
| 2 | Ca 315.886† | 1458636.4 | 1460359.4 | 12.28 mg/L | 12.28 mg/L | 18:59:41 |
| 2 | Cd 228.802† | 225.3 | 78.1 | 0.0014 mg/L | 0.0014 mg/L | 19:00:07 |
| 2 | Co 228.616† | 1061.7 | 1131.6 | 0.0250 mg/L | 0.0250 mg/L | 19:00:07 |
| 2 | Cr 267.716† | 11036.4 | 9350.9 | 0.0756 mg/L | 0.0756 mg/L | 18:59:46 |
| 2 | Cu 324.752† | 355710.6 | 354157.3 | 1.556 mg/L | 1.556 mg/L | 18:59:41 |
| 2 | Fe 234.349† | 3053149.1 | 3056569.2 | 68.54 mg/L | 68.54 mg/L | 18:59:41 |
| 2 | Fe 238.204† | 6235075.3 | 6244485.9 | 66.14 mg/L | 66.14 mg/L | 18:59:41 |
| 2 | Mg 279.077† | 199029.4 | 199233.7 | 11.36 mg/L | 11.36 mg/L | 18:59:46 |
| 2 | Mn 257.610† | 970850.9 | 970841.4 | 1.302 mg/L | 1.302 mg/L | 18:59:41 |
| 2 | Mo 202.031† | 147.3 | 105.2 | 0.0071 mg/L | 0.0071 mg/L | 19:00:07 |
| 2 | Ni 231.604† | 4694.8 | 4020.1 | 0.0894 mg/L | 0.0894 mg/L | 18:59:46 |

| | | | | | | |
|---|-------------|-----------|-----------|--------------|--------------|----------|
| 2 | P 214.914† | 6736.8 | 6679.4 | 5.971 mg/L | 5.971 mg/L | 19:00:07 |
| 2 | Pb 220.353† | 36079.2 | 36264.0 | 5.185 mg/L | 5.185 mg/L | 18:59:46 |
| 2 | Sb 206.836† | 24.4 | -11.2 | -0.0115 mg/L | -0.0115 mg/L | 19:00:07 |
| 2 | Se 196.026† | -4.7 | 0.1 | 0.0008 mg/L | 0.0008 mg/L | 19:00:07 |
| 2 | Sn 189.927† | 301.8 | 240.9 | 0.0711 mg/L | 0.0711 mg/L | 19:00:07 |
| 2 | Sr 407.771† | 1250723.9 | 1253075.6 | 0.0623 mg/L | 0.0623 mg/L | 18:59:41 |
| 2 | Ti 337.279† | 1904200.0 | 1908901.0 | 2.775 mg/L | 2.775 mg/L | 18:59:41 |
| 2 | Tl 190.801† | -24.8 | -5.6 | 0.0262 mg/L | 0.0262 mg/L | 19:00:07 |
| 2 | V 292.402† | 15907.3 | 17172.4 | 0.0734 mg/L | 0.0734 mg/L | 18:59:46 |
| 2 | Zn 213.857† | 51431.4 | 50788.4 | 0.6573 mg/L | 0.6573 mg/L | 18:59:46 |

 Mean Data: 0608248-09

| Analyte | Mean Corrected Intensity | Calib Conc. | Units | Std.Dev. | Sample Conc. | Units | Std.Dev. | RSD |
|-------------|--------------------------|-------------|-------|----------|--------------|-------|----------|---------|
| Y 371.029 | 3253624.2 | 1.00 | mg/L | 0.004 | | | | 0.41% |
| Ag 328.068† | 358514.9 | 1.408 | mg/L | 0.0012 | 1.408 | mg/L | 0.0012 | 0.09% |
| Al 237.313† | 351424.4 | 50.92 | mg/L | 0.692 | 50.92 | mg/L | 0.692 | 1.36% |
| As 188.979† | 19.5 | 0.0295 | mg/L | 0.00267 | 0.0295 | mg/L | 0.00267 | 9.07% |
| B 182.528† | 11.7 | 0.0303 | mg/L | 0.00025 | 0.0303 | mg/L | 0.00025 | 0.83% |
| Ba 233.527† | 21612.9 | 0.2422 | mg/L | 0.00286 | 0.2422 | mg/L | 0.00286 | 1.18% |
| Be 313.107† | 12711.3 | 0.0012 | mg/L | 0.00003 | 0.0012 | mg/L | 0.00003 | 2.77% |
| Ca 315.886† | 1460877.3 | 12.28 | mg/L | 0.006 | 12.28 | mg/L | 0.006 | 0.05% |
| Cd 228.802† | 75.6 | 0.0014 | mg/L | 0.00011 | 0.0014 | mg/L | 0.00011 | 8.05% |
| Co 228.616† | 1119.9 | 0.0246 | mg/L | 0.00050 | 0.0246 | mg/L | 0.00050 | 2.03% |
| Cr 267.716† | 9292.1 | 0.0751 | mg/L | 0.00065 | 0.0751 | mg/L | 0.00065 | 0.87% |
| Cu 324.752† | 355608.0 | 1.562 | mg/L | 0.0089 | 1.562 | mg/L | 0.0089 | 0.57% |
| Fe 234.349† | 3056979.7 | 68.55 | mg/L | 0.013 | 68.55 | mg/L | 0.013 | 0.02% |
| Fe 238.204† | 6245770.3 | 66.15 | mg/L | 0.019 | 66.15 | mg/L | 0.019 | 0.03% |
| K 766.490† | 13390.8 | 6.518 | mg/L | 0.0038 | 6.518 | mg/L | 0.0038 | 0.06% |
| Li 670.784† | 4535.4 | 0.0638 | mg/L | 0.00047 | 0.0638 | mg/L | 0.00047 | 0.73% |
| Mg 279.077† | 197655.0 | 11.27 | mg/L | 0.128 | 11.27 | mg/L | 0.128 | 1.13% |
| Mn 257.610† | 970739.4 | 1.301 | mg/L | 0.0002 | 1.301 | mg/L | 0.0002 | 0.01% |
| Mo 202.031† | 96.8 | 0.0065 | mg/L | 0.00092 | 0.0065 | mg/L | 0.00092 | 14.16% |
| Na 589.592 | 41515.3 | 5.497 | mg/L | 0.0050 | 5.497 | mg/L | 0.0050 | 0.09% |
| Ni 231.604† | 3994.4 | 0.0888 | mg/L | 0.00084 | 0.0888 | mg/L | 0.00084 | 0.95% |
| P 214.914† | 6647.7 | 5.943 | mg/L | 0.0400 | 5.943 | mg/L | 0.0400 | 0.67% |
| Pb 220.353† | 35991.6 | 5.146 | mg/L | 0.0552 | 5.146 | mg/L | 0.0552 | 1.07% |
| Sb 206.836† | -7.3 | -0.0094 | mg/L | 0.00303 | -0.0094 | mg/L | 0.00303 | 32.40% |
| Se 196.026† | -1.3 | -0.0012 | mg/L | 0.00277 | -0.0012 | mg/L | 0.00277 | 232.74% |
| Sn 189.927† | 236.9 | 0.0699 | mg/L | 0.00172 | 0.0699 | mg/L | 0.00172 | 2.46% |
| Sr 407.771† | 1252274.2 | 0.0622 | mg/L | 0.00006 | 0.0622 | mg/L | 0.00006 | 0.09% |
| Ti 337.279† | 1908279.5 | 2.774 | mg/L | 0.0013 | 2.774 | mg/L | 0.0013 | 0.05% |
| Tl 190.801† | -5.4 | 0.0264 | mg/L | 0.00035 | 0.0264 | mg/L | 0.00035 | 1.32% |
| V 292.402† | 17019.2 | 0.0727 | mg/L | 0.00110 | 0.0727 | mg/L | 0.00110 | 1.52% |
| Zn 213.857† | 50384.7 | 0.6520 | mg/L | 0.00748 | 0.6520 | mg/L | 0.00748 | 1.15% |

Sequence No.: 24

Sample ID: 0608248-10

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 28

Date Collected: 8/14/2006 7:01:44 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

 Replicate Data: 0608248-10

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. | Units | Sample Conc. | Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------------|-------|--------------|-------|---------------|
| 1 | K 766.490† | 17070.3 | 17904.8 | 8.506 | mg/L | 8.506 | mg/L | 19:03:22 |
| 1 | Li 670.784† | 5819.9 | 6085.7 | 0.0822 | mg/L | 0.0822 | mg/L | 19:03:22 |
| 1 | Na 589.592 | 66105.2 | 65788.6 | 8.605 | mg/L | 8.605 | mg/L | 19:03:22 |
| 1 | Y 371.029 | 3171791.4 | 3171791.4 | 0.976 | mg/L | | | 19:03:52 |
| 1 | Ag 328.068† | 47102.9 | 50005.0 | 0.2013 | mg/L | 0.2013 | mg/L | 19:03:58 |
| 1 | Al 237.313† | 391842.7 | 401644.8 | 57.98 | mg/L | 57.98 | mg/L | 19:03:58 |
| 1 | As 188.979† | 28.1 | 24.4 | 0.0371 | mg/L | 0.0371 | mg/L | 19:04:18 |
| 1 | B 182.528† | 66.9 | 71.8 | 0.1585 | mg/L | 0.1585 | mg/L | 19:04:18 |
| 1 | Ba 233.527† | 39169.6 | 40224.2 | 0.4519 | mg/L | 0.4519 | mg/L | 19:03:58 |
| 1 | Be 313.107† | 14237.5 | 13564.9 | 0.0017 | mg/L | 0.0017 | mg/L | 19:03:58 |
| 1 | Ca 315.886† | 12123099.9 | 12419892.0 | 104.6 | mg/L | 104.6 | mg/L | 19:03:44 |
| 1 | Cd 228.802† | 629.0 | 496.8 | 0.0127 | mg/L | 0.0127 | mg/L | 19:04:18 |
| 1 | Co 228.616† | 1235.3 | 1333.7 | 0.0308 | mg/L | 0.0308 | mg/L | 19:04:18 |
| 1 | Cr 267.716† | 32511.1 | 31605.3 | 0.2542 | mg/L | 0.2542 | mg/L | 19:03:58 |

| | | | | | | |
|---|-------------|------------|------------|--------------|--------------|----------|
| 1 | Cu 324.752† | 1299142.1 | 1328881.6 | 5.815 mg/L | 5.815 mg/L | 19:03:52 |
| 1 | Fe 234.349† | 5577981.7 | 5713253.9 | 128.1 mg/L | 128.1 mg/L | 19:03:52 |
| 1 | Fe 238.204† | 10910280.2 | 11177155.3 | 118.4 mg/L | 118.4 mg/L | 19:03:44 |
| 1 | Mg 279.077† | 251976.7 | 258036.8 | 14.71 mg/L | 14.71 mg/L | 19:03:58 |
| 1 | Mn 257.610† | 1292122.2 | 1322222.8 | 1.774 mg/L | 1.774 mg/L | 19:03:52 |
| 1 | Mo 202.031† | 236.2 | 199.6 | 0.0145 mg/L | 0.0145 mg/L | 19:04:18 |
| 1 | Ni 231.604† | 10279.0 | 9848.8 | 0.2241 mg/L | 0.2241 mg/L | 19:04:18 |
| 1 | P 214.914† | 6961.5 | 7063.8 | 6.314 mg/L | 6.314 mg/L | 19:04:18 |
| 1 | Pb 220.353† | 70412.6 | 72265.9 | 10.33 mg/L | 10.33 mg/L | 19:03:58 |
| 1 | Sb 206.836† | 23.7 | -11.4 | -0.0151 mg/L | -0.0151 mg/L | 19:04:18 |
| 1 | Se 196.026† | -7.6 | -3.0 | -0.0037 mg/L | -0.0037 mg/L | 19:04:18 |
| 1 | Sn 189.927† | 1798.1 | 1780.8 | 0.5389 mg/L | 0.5389 mg/L | 19:04:18 |
| 1 | Sr 407.771† | 7095392.8 | 7269790.1 | 0.3623 mg/L | 0.3623 mg/L | 19:03:44 |
| 1 | Ti 337.279† | 1971940.7 | 2021899.4 | 2.939 mg/L | 2.939 mg/L | 19:03:52 |
| 1 | Tl 190.801† | 6.1 | 25.5 | 0.0634 mg/L | 0.0634 mg/L | 19:04:18 |
| 1 | V 292.402† | 26431.7 | 28319.1 | 0.1214 mg/L | 0.1214 mg/L | 19:03:58 |
| 1 | Zn 213.857† | 2333354.1 | 238352.4 | 3.111 mg/L | 3.111 mg/L | 19:03:58 |
| 2 | K 766.490† | 16915.5 | 17733.4 | 8.431 mg/L | 8.431 mg/L | 19:03:27 |
| 2 | Li 670.784† | 5780.9 | 6041.4 | 0.0817 mg/L | 0.0817 mg/L | 19:03:27 |
| 2 | Na 589.592 | 65728.0 | 65411.4 | 8.557 mg/L | 8.557 mg/L | 19:03:27 |
| 2 | Y 371.029 | 3174111.5 | 3174111.5 | 0.977 mg/L | | 19:04:40 |
| 2 | Ag 328.068† | 47914.3 | 50800.4 | 0.2044 mg/L | 0.2044 mg/L | 19:04:45 |
| 2 | Al 237.313† | 398353.7 | 408017.2 | 58.91 mg/L | 58.91 mg/L | 19:04:45 |
| 2 | As 188.979† | 23.4 | 19.5 | 0.0293 mg/L | 0.0293 mg/L | 19:05:05 |
| 2 | B 182.528† | 63.6 | 68.4 | 0.1512 mg/L | 0.1512 mg/L | 19:05:05 |
| 2 | Ba 233.527† | 39872.8 | 40914.8 | 0.4596 mg/L | 0.4596 mg/L | 19:04:45 |
| 2 | Be 313.107† | 14640.3 | 13966.6 | 0.0018 mg/L | 0.0018 mg/L | 19:04:45 |
| 2 | Ca 315.886† | 12086707.5 | 12373555.0 | 104.2 mg/L | 104.2 mg/L | 19:04:32 |
| 2 | Cd 228.802† | 641.2 | 508.8 | 0.0131 mg/L | 0.0131 mg/L | 19:05:05 |
| 2 | Co 228.616† | 1237.9 | 1335.4 | 0.0309 mg/L | 0.0309 mg/L | 19:05:05 |
| 2 | Cr 267.716† | 33090.4 | 32174.0 | 0.2587 mg/L | 0.2587 mg/L | 19:04:45 |
| 2 | Cu 324.752† | 1302062.7 | 1330898.8 | 5.824 mg/L | 5.824 mg/L | 19:04:40 |
| 2 | Fe 234.349† | 5572497.6 | 5703462.1 | 127.9 mg/L | 127.9 mg/L | 19:04:40 |
| 2 | Fe 238.204† | 10879489.6 | 11137461.6 | 118.0 mg/L | 118.0 mg/L | 19:04:32 |
| 2 | Mg 279.077† | 256253.6 | 262226.8 | 14.95 mg/L | 14.95 mg/L | 19:04:45 |
| 2 | Mn 257.610† | 1291815.7 | 1320941.4 | 1.772 mg/L | 1.772 mg/L | 19:04:40 |
| 2 | Mo 202.031† | 236.8 | 200.1 | 0.0145 mg/L | 0.0145 mg/L | 19:05:05 |
| 2 | Ni 231.604† | 10255.7 | 9817.2 | 0.2234 mg/L | 0.2234 mg/L | 19:05:05 |
| 2 | P 214.914† | 6971.9 | 7069.2 | 6.319 mg/L | 6.319 mg/L | 19:05:05 |
| 2 | Pb 220.353† | 71829.9 | 73664.1 | 10.53 mg/L | 10.53 mg/L | 19:04:45 |
| 2 | Sb 206.836† | 17.9 | -17.3 | -0.0184 mg/L | -0.0184 mg/L | 19:05:05 |
| 2 | Se 196.026† | -4.3 | 0.4 | 0.0012 mg/L | 0.0012 mg/L | 19:05:05 |
| 2 | Sn 189.927† | 1801.6 | 1783.0 | 0.5395 mg/L | 0.5395 mg/L | 19:05:05 |
| 2 | Sr 407.771† | 7076497.4 | 7245131.5 | 0.3611 mg/L | 0.3611 mg/L | 19:04:32 |
| 2 | Ti 337.279† | 1958991.2 | 2007165.1 | 2.918 mg/L | 2.918 mg/L | 19:04:40 |
| 2 | Tl 190.801† | 0.0 | 19.2 | 0.0574 mg/L | 0.0574 mg/L | 19:05:05 |
| 2 | V 292.402† | 26926.7 | 28806.2 | 0.1239 mg/L | 0.1239 mg/L | 19:04:45 |
| 2 | Zn 213.857† | 237850.7 | 242781.2 | 3.169 mg/L | 3.169 mg/L | 19:04:45 |

Mean Data: 0608248-10

| Analyte | Mean Corrected Intensity | Calib Conc. Units | Std.Dev. | Sample Conc. Units | Std.Dev. | RSD |
|-------------|--------------------------|-------------------|----------|--------------------|----------|--------|
| Y 371.029 | 3172951.5 | 0.976 mg/L | 0.0005 | | | |
| Ag 328.068† | 50402.7 | 0.2028 mg/L | 0.00220 | 0.2028 mg/L | 0.00220 | 0.05% |
| Al 237.313† | 404831.0 | 58.45 mg/L | 0.658 | 58.45 mg/L | 0.658 | 1.13% |
| As 188.979† | 22.0 | 0.0332 mg/L | 0.00556 | 0.0332 mg/L | 0.00556 | 16.75% |
| B 182.528† | 70.1 | 0.1549 mg/L | 0.00515 | 0.1549 mg/L | 0.00515 | 3.32% |
| Ba 233.527† | 40569.5 | 0.4557 mg/L | 0.00550 | 0.4557 mg/L | 0.00550 | 1.21% |
| Be 313.107† | 13765.8 | 0.0018 mg/L | 0.00009 | 0.0018 mg/L | 0.00009 | 4.88% |
| Ca 315.886† | 12396723.5 | 104.4 mg/L | 0.28 | 104.4 mg/L | 0.28 | 0.26% |
| Cd 228.802† | 502.8 | 0.0129 mg/L | 0.00025 | 0.0129 mg/L | 0.00025 | 1.94% |
| Co 228.616† | 1334.6 | 0.0308 mg/L | 0.00007 | 0.0308 mg/L | 0.00007 | 0.22% |
| Cr 267.716† | 31889.6 | 0.2564 mg/L | 0.00316 | 0.2564 mg/L | 0.00316 | 1.23% |
| Cu 324.752† | 1329890.2 | 5.820 mg/L | 0.0062 | 5.820 mg/L | 0.0062 | 0.11% |
| Fe 234.349† | 5708358.0 | 128.0 mg/L | 0.16 | 128.0 mg/L | 0.16 | 0.12% |
| Fe 238.204† | 11157308.5 | 118.2 mg/L | 0.30 | 118.2 mg/L | 0.30 | 0.25% |
| K 766.490† | 17819.1 | 8.468 mg/L | 0.0534 | 8.468 mg/L | 0.0534 | 0.63% |
| Li 670.784† | 6063.6 | 0.0819 mg/L | 0.00037 | 0.0819 mg/L | 0.00037 | 0.45% |
| Mg 279.077† | 260131.8 | 14.83 mg/L | 0.169 | 14.83 mg/L | 0.169 | 1.14% |
| Mn 257.610† | 1321582.1 | 1.773 mg/L | 0.0012 | 1.773 mg/L | 0.0012 | 0.07% |
| Mo 202.031† | 199.8 | 0.0145 mg/L | 0.00002 | 0.0145 mg/L | 0.00002 | 0.17% |

| | | | | | | |
|-------------|-----------|--------------|---------|--------------|---------|---------|
| Na 589.592 | 65600.0 | 8.581 mg/L | 0.0341 | 8.581 mg/L | 0.0341 | 0.40% |
| Ni 231.604† | 9833.0 | 0.2237 mg/L | 0.00052 | 0.2237 mg/L | 0.00052 | 0.23% |
| P 214.914† | 7066.5 | 6.316 mg/L | 0.0034 | 6.316 mg/L | 0.0034 | 0.05% |
| Pb 220.353† | 72965.0 | 10.43 mg/L | 0.141 | 10.43 mg/L | 0.141 | 1.36% |
| Sb 206.836† | -14.3 | -0.0167 mg/L | 0.00233 | -0.0167 mg/L | 0.00233 | 13.89% |
| Se 196.026† | -1.3 | -0.0013 mg/L | 0.00346 | -0.0013 mg/L | 0.00346 | 275.89% |
| Sn 189.927† | 1781.9 | 0.5392 mg/L | 0.00046 | 0.5392 mg/L | 0.00046 | 0.08% |
| Sr 407.771† | 7257460.8 | 0.3617 mg/L | 0.00087 | 0.3617 mg/L | 0.00087 | 0.24% |
| Ti 337.279† | 2014532.3 | 2.929 mg/L | 0.0152 | 2.929 mg/L | 0.0152 | 0.52% |
| Tl 190.801† | 22.3 | 0.0604 mg/L | 0.00423 | 0.0604 mg/L | 0.00423 | 7.00% |
| V 292.402† | 28562.7 | 0.1226 mg/L | 0.00176 | 0.1226 mg/L | 0.00176 | 1.44% |
| Zn 213.857† | 240566.8 | 3.140 mg/L | 0.0411 | 3.140 mg/L | 0.0411 | 1.31% |

Sequence No.: 25

Sample ID: CCV

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 3

Date Collected: 8/14/2006 7:06:43 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CCV

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. Units | Sample Conc. Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------------------|--------------------|---------------|
| 1 | K 766.490† | 54095.6 | 55349.5 | 25.00 mg/L | 25.00 mg/L | 19:08:19 |
| 1 | Li 670.784† | 41446.7 | 42211.9 | 0.5106 mg/L | 0.5106 mg/L | 19:08:19 |
| 1 | Na 589.592 | 189049.4 | 188732.7 | 24.35 mg/L | 24.35 mg/L | 19:08:19 |
| 1 | Y 371.029 | 3200029.7 | 3200029.7 | 0.985 mg/L | 0.985 mg/L | 19:08:34 |
| 1 | Ag 328.068† | 61584.4 | 64285.0 | 0.2525 mg/L | 0.2525 mg/L | 19:08:40 |
| 1 | Al 237.313† | 16822.9 | 17271.0 | 2.508 mg/L | 2.508 mg/L | 19:08:40 |
| 1 | As 188.979† | 303.1 | 303.4 | 0.4895 mg/L | 0.4895 mg/L | 19:09:00 |
| 1 | B 182.528† | 220.2 | 226.8 | 0.4889 mg/L | 0.4889 mg/L | 19:09:00 |
| 1 | Ba 233.527† | 44037.8 | 44813.8 | 0.5036 mg/L | 0.5036 mg/L | 19:08:40 |
| 1 | Be 313.107† | 192309.1 | 194267.2 | 0.0501 mg/L | 0.0501 mg/L | 19:08:40 |
| 1 | Ca 315.886† | 587743.9 | 596178.8 | 5.000 mg/L | 5.000 mg/L | 19:08:34 |
| 1 | Cd 228.802† | 9781.1 | 9785.0 | 0.2524 mg/L | 0.2524 mg/L | 19:09:00 |
| 1 | Co 228.616† | 16391.6 | 16713.7 | 0.5061 mg/L | 0.5061 mg/L | 19:09:00 |
| 1 | Cr 267.716† | 64610.7 | 63908.3 | 0.5019 mg/L | 0.5019 mg/L | 19:08:40 |
| 1 | Cu 324.752† | 146773.0 | 146909.9 | 0.6384 mg/L | 0.6384 mg/L | 19:08:40 |
| 1 | Fe 234.349† | 116012.2 | 116215.0 | 2.590 mg/L | 2.590 mg/L | 19:08:40 |
| 1 | Fe 238.204† | 242818.8 | 245750.6 | 2.594 mg/L | 2.594 mg/L | 19:08:40 |
| 1 | Mg 279.077† | 87133.2 | 88360.8 | 5.039 mg/L | 5.039 mg/L | 19:08:40 |
| 1 | Mn 257.610† | 375754.1 | 379972.6 | 0.5078 mg/L | 0.5078 mg/L | 19:08:40 |
| 1 | Mo 202.031† | 6391.1 | 6447.8 | 0.4984 mg/L | 0.4984 mg/L | 19:09:00 |
| 1 | Ni 231.604† | 22453.3 | 22118.7 | 0.5083 mg/L | 0.5083 mg/L | 19:08:40 |
| 1 | P 214.914† | 5540.1 | 5557.5 | 4.970 mg/L | 4.970 mg/L | 19:09:00 |
| 1 | Pb 220.353† | 3430.1 | 3608.8 | 0.5149 mg/L | 0.5149 mg/L | 19:09:00 |
| 1 | Sb 206.836† | 934.4 | 913.3 | 0.4848 mg/L | 0.4848 mg/L | 19:09:00 |
| 1 | Se 196.026† | 670.0 | 685.1 | 0.9990 mg/L | 0.9990 mg/L | 19:09:00 |
| 1 | Sn 189.927† | 1686.8 | 1651.5 | 0.4923 mg/L | 0.4923 mg/L | 19:09:00 |
| 1 | Sr 407.771† | 997017.8 | 1012765.1 | 0.0503 mg/L | 0.0503 mg/L | 19:08:34 |
| 1 | Ti 337.279† | 341557.3 | 348423.2 | 0.5059 mg/L | 0.5059 mg/L | 19:08:40 |
| 1 | Tl 190.801† | 550.7 | 578.4 | 0.5693 mg/L | 0.5693 mg/L | 19:09:00 |
| 1 | V 292.402† | 97470.4 | 100219.7 | 0.5094 mg/L | 0.5094 mg/L | 19:08:40 |
| 1 | Zn 213.857† | 41717.9 | 41636.8 | 0.5404 mg/L | 0.5404 mg/L | 19:08:40 |
| 2 | K 766.490† | 53870.1 | 55399.2 | 25.02 mg/L | 25.02 mg/L | 19:08:26 |
| 2 | Li 670.784† | 41265.2 | 42241.2 | 0.5110 mg/L | 0.5110 mg/L | 19:08:26 |
| 2 | Na 589.592 | 188300.9 | 187984.3 | 24.25 mg/L | 24.25 mg/L | 19:08:26 |
| 2 | Y 371.029 | 3183808.1 | 3183808.1 | 0.980 mg/L | 0.980 mg/L | 19:09:06 |
| 2 | Ag 328.068† | 61726.3 | 64748.6 | 0.2543 mg/L | 0.2543 mg/L | 19:09:11 |
| 2 | Al 237.313† | 16789.4 | 17323.8 | 2.515 mg/L | 2.515 mg/L | 19:09:11 |
| 2 | As 188.979† | 306.9 | 308.8 | 0.4982 mg/L | 0.4982 mg/L | 19:09:32 |
| 2 | B 182.528† | 219.9 | 227.7 | 0.4908 mg/L | 0.4908 mg/L | 19:09:32 |
| 2 | Ba 233.527† | 43845.1 | 44844.9 | 0.5039 mg/L | 0.5039 mg/L | 19:09:11 |
| 2 | Be 313.107† | 191747.0 | 194688.5 | 0.0502 mg/L | 0.0502 mg/L | 19:09:11 |
| 2 | Ca 315.886† | 582575.5 | 593944.5 | 4.981 mg/L | 4.981 mg/L | 19:09:06 |
| 2 | Cd 228.802† | 9694.3 | 9747.0 | 0.2513 mg/L | 0.2513 mg/L | 19:09:32 |
| 2 | Co 228.616† | 16230.7 | 16634.3 | 0.5037 mg/L | 0.5037 mg/L | 19:09:32 |
| 2 | Cr 267.716† | 64152.6 | 63775.1 | 0.5009 mg/L | 0.5009 mg/L | 19:09:11 |
| 2 | Cu 324.752† | 145317.5 | 146183.7 | 0.6352 mg/L | 0.6352 mg/L | 19:09:11 |
| 2 | Fe 234.349† | 115288.8 | 116077.0 | 2.587 mg/L | 2.587 mg/L | 19:09:11 |
| 2 | Fe 238.204† | 241246.7 | 245402.4 | 2.590 mg/L | 2.590 mg/L | 19:09:11 |

| | | | | | | |
|---|-------------|----------|-----------|-------------|-------------|----------|
| 2 | Mg 279.077† | 86498.4 | 88163.7 | 5.027 mg/L | 5.027 mg/L | 19:09:11 |
| 2 | Mn 257.610† | 373967.9 | 380093.6 | 0.5080 mg/L | 0.5080 mg/L | 19:09:11 |
| 2 | Mo 202.031† | 6387.3 | 6477.0 | 0.5007 mg/L | 0.5007 mg/L | 19:09:32 |
| 2 | Ni 231.604† | 22334.1 | 22113.2 | 0.5082 mg/L | 0.5082 mg/L | 19:09:11 |
| 2 | P 214.914† | 5480.9 | 5525.7 | 4.942 mg/L | 4.942 mg/L | 19:09:32 |
| 2 | Pb 220.353† | 3368.7 | 3563.9 | 0.5085 mg/L | 0.5085 mg/L | 19:09:32 |
| 2 | Sb 206.836† | 920.9 | 904.4 | 0.4800 mg/L | 0.4800 mg/L | 19:09:32 |
| 2 | Se 196.026† | 662.6 | 681.1 | 0.9930 mg/L | 0.9930 mg/L | 19:09:32 |
| 2 | Sn 189.927† | 1660.0 | 1633.0 | 0.4867 mg/L | 0.4867 mg/L | 19:09:32 |
| 2 | Sr 407.771† | 992333.2 | 1013142.1 | 0.0503 mg/L | 0.0503 mg/L | 19:09:06 |
| 2 | Ti 337.279† | 341223.1 | 349849.4 | 0.5080 mg/L | 0.5080 mg/L | 19:09:11 |
| 2 | Tl 190.801† | 551.4 | 582.0 | 0.5727 mg/L | 0.5727 mg/L | 19:09:32 |
| 2 | V 292.402† | 97203.3 | 100451.4 | 0.5106 mg/L | 0.5106 mg/L | 19:09:11 |
| 2 | Zn 213.857† | 41361.5 | 41488.9 | 0.5384 mg/L | 0.5384 mg/L | 19:09:11 |

Mean Data: CCV

| Analyte | Mean Corrected Intensity | Conc. Units | Calib | Std.Dev. | Sample Conc. Units | Std.Dev. | RSD |
|--|--------------------------|-------------|--------------------|----------|--------------------|----------|-------|
| Y 371.029 | 3191918.9 | 0.982 mg/L | | 0.0035 | | | |
| Ag 328.068† | 64516.8 | 0.2534 mg/L | | 0.00128 | 0.2534 mg/L | 0.00128 | 0.36% |
| QC value within limits for Ag 328.068 | | | Recovery = 101.38% | | | | 0.51% |
| Al 237.313† | 17297.4 | 2.512 mg/L | | 0.0054 | 2.512 mg/L | 0.0054 | 0.22% |
| QC value within limits for Al 237.313 | | | Recovery = 100.46% | | | | |
| As 188.979† | 306.1 | 0.4938 mg/L | | 0.00616 | 0.4938 mg/L | 0.00616 | 1.25% |
| QC value within limits for As 188.979 | | | Recovery = 98.77% | | | | |
| B 182.528† | 227.3 | 0.4898 mg/L | | 0.00134 | 0.4898 mg/L | 0.00134 | 0.27% |
| QC value within limits for B 182.528 | | | Recovery = 97.96% | | | | |
| Ba 233.527† | 44829.3 | 0.5037 mg/L | | 0.00025 | 0.5037 mg/L | 0.00025 | 0.05% |
| QC value within limits for Ba 233.527 | | | Recovery = 100.75% | | | | |
| Be 313.107† | 194477.8 | 0.0502 mg/L | | 0.00008 | 0.0502 mg/L | 0.00008 | 0.15% |
| QC value within limits for Be 313.107 | | | Recovery = 100.30% | | | | |
| Ca 315.886† | 595061.6 | 4.991 mg/L | | 0.0133 | 4.991 mg/L | 0.0133 | 0.27% |
| QC value within limits for Ca 315.886 | | | Recovery = 99.82% | | | | |
| Cd 228.802† | 9766.0 | 0.2519 mg/L | | 0.00074 | 0.2519 mg/L | 0.00074 | 0.29% |
| QC value within limits for Cd 228.802 | | | Recovery = 100.75% | | | | |
| Co 228.616† | 16674.0 | 0.5049 mg/L | | 0.00172 | 0.5049 mg/L | 0.00172 | 0.34% |
| QC value within limits for Co 228.616 | | | Recovery = 100.98% | | | | |
| Cr 267.716† | 63841.7 | 0.5014 mg/L | | 0.00074 | 0.5014 mg/L | 0.00074 | 0.15% |
| QC value within limits for Cr 267.716 | | | Recovery = 100.28% | | | | |
| Cu 324.752† | 146546.8 | 0.6368 mg/L | | 0.00224 | 0.6368 mg/L | 0.00224 | 0.35% |
| QC value greater than the upper limit for Cu 324.752 | | | Recovery = 127.36% | | | | |
| Fe 234.349† | 116146.0 | 2.588 mg/L | | 0.0022 | 2.588 mg/L | 0.0022 | 0.08% |
| QC value within limits for Fe 234.349 | | | Recovery = 103.53% | | | | |
| Fe 238.204† | 245576.5 | 2.592 mg/L | | 0.0026 | 2.592 mg/L | 0.0026 | 0.10% |
| QC value within limits for Fe 238.204 | | | Recovery = 103.68% | | | | |
| K 766.490† | 55374.3 | 25.01 mg/L | | 0.015 | 25.01 mg/L | 0.015 | 0.06% |
| QC value within limits for K 766.490 | | | Recovery = 100.04% | | | | |
| Li 670.784† | 42226.5 | 0.5108 mg/L | | 0.00024 | 0.5108 mg/L | 0.00024 | 0.05% |
| QC value within limits for Li 670.784 | | | Recovery = 102.16% | | | | |
| Mg 279.077† | 88262.3 | 5.033 mg/L | | 0.0080 | 5.033 mg/L | 0.0080 | 0.16% |
| QC value within limits for Mg 279.077 | | | Recovery = 100.66% | | | | |
| Mn 257.610† | 380033.1 | 0.5079 mg/L | | 0.00012 | 0.5079 mg/L | 0.00012 | 0.02% |
| QC value within limits for Mn 257.610 | | | Recovery = 101.57% | | | | |
| Mo 202.031† | 6462.4 | 0.4995 mg/L | | 0.00160 | 0.4995 mg/L | 0.00160 | 0.32% |
| QC value within limits for Mo 202.031 | | | Recovery = 99.91% | | | | |
| Na 589.592 | 188358.5 | 24.30 mg/L | | 0.068 | 24.30 mg/L | 0.068 | 0.28% |
| QC value within limits for Na 589.592 | | | Recovery = 97.19% | | | | |
| Ni 231.604† | 22116.0 | 0.5083 mg/L | | 0.00009 | 0.5083 mg/L | 0.00009 | 0.02% |
| QC value within limits for Ni 231.604 | | | Recovery = 101.65% | | | | |
| P 214.914† | 5541.6 | 4.956 mg/L | | 0.0200 | 4.956 mg/L | 0.0200 | 0.40% |
| QC value within limits for P 214.914 | | | Recovery = 99.13% | | | | |
| Pb 220.353† | 3586.3 | 0.5117 mg/L | | 0.00453 | 0.5117 mg/L | 0.00453 | 0.89% |
| QC value within limits for Pb 220.353 | | | Recovery = 102.35% | | | | |
| Sb 206.836† | 908.8 | 0.4824 mg/L | | 0.00342 | 0.4824 mg/L | 0.00342 | 0.71% |
| QC value within limits for Sb 206.836 | | | Recovery = 96.48% | | | | |
| Se 196.026† | 683.1 | 0.9960 mg/L | | 0.00419 | 0.9960 mg/L | 0.00419 | 0.42% |
| QC value within limits for Se 196.026 | | | Recovery = 99.60% | | | | |
| Sn 189.927† | 1642.2 | 0.4895 mg/L | | 0.00396 | 0.4895 mg/L | 0.00396 | 0.81% |
| QC value within limits for Sn 189.927 | | | Recovery = 97.89% | | | | |
| Sr 407.771† | 1012953.6 | 0.0503 mg/L | | 0.00001 | 0.0503 mg/L | 0.00001 | 0.03% |
| QC value within limits for Sr 407.771 | | | Recovery = 100.61% | | | | |

| | | | | | | |
|---|----------|-------------|---------|-------------|---------|-------|
| Ti 337.279† | 349136.3 | 0.5069 mg/L | 0.00147 | 0.5069 mg/L | 0.00147 | 0.29% |
| QC value within limits for Ti 337.279 Recovery = 101.38% | | | | | | |
| Tl 190.801† | 580.2 | 0.5710 mg/L | 0.00245 | 0.5710 mg/L | 0.00245 | 0.43% |
| QC value greater than the upper limit for Tl 190.801 Recovery = 114.20% | | | | | | |
| V 292.402† | 100335.5 | 0.5100 mg/L | 0.00085 | 0.5100 mg/L | 0.00085 | 0.17% |
| QC value within limits for V 292.402 Recovery = 102.00% | | | | | | |
| Zn 213.857† | 41562.9 | 0.5394 mg/L | 0.00137 | 0.5394 mg/L | 0.00137 | 0.25% |
| QC value within limits for Zn 213.857 Recovery = 107.88% | | | | | | |
| QC Failed. Continue with analysis. | | | | | | |

Sequence No.: 26

Sample ID: ICCB

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 1

Date Collected: 8/14/2006 7:11:10 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: ICCB

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. Units | Sample Conc. Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------------------|--------------------|---------------|
| 1 | K 766.490† | -402.8 | 8.0 | 0.6238 mg/L | 0.6238 mg/L | 19:12:43 |
| 1 | Li 670.784† | -131.7 | -10.2 | 0.0099 mg/L | 0.0099 mg/L | 19:12:43 |
| 1 | Na 589.592 | 242.8 | -73.8 | 0.1729 mg/L | 0.1729 mg/L | 19:12:43 |
| 1 | Y 371.029 | 3211925.1 | 3211925.1 | 0.988 mg/L | | 19:12:56 |
| 1 | Ag 328.068† | -1477.1 | 252.0 | 0.0012 mg/L | 0.0012 mg/L | 19:13:02 |
| 1 | Al 237.313† | -182.7 | 2.6 | -0.0004 mg/L | -0.0004 mg/L | 19:13:02 |
| 1 | As 188.979† | 6.0 | 1.7 | 0.0034 mg/L | 0.0034 mg/L | 19:13:22 |
| 1 | B 182.528† | -1.1 | 2.1 | 0.0099 mg/L | 0.0099 mg/L | 19:13:22 |
| 1 | Ba 233.527† | -65.5 | 27.3 | -0.0009 mg/L | -0.0009 mg/L | 19:13:22 |
| 1 | Be 313.107† | 1300.2 | 293.5 | 0.0000 mg/L | 0.0000 mg/L | 19:13:02 |
| 1 | Ca 315.886† | 680.0 | 15.1 | -0.0228 mg/L | -0.0228 mg/L | 19:13:02 |
| 1 | Cd 228.802† | 143.1 | -2.8 | -0.0012 mg/L | -0.0012 mg/L | 19:13:22 |
| 1 | Co 228.616† | -59.2 | 8.2 | -0.0035 mg/L | -0.0035 mg/L | 19:13:22 |
| 1 | Cr 267.716† | 1657.0 | -27.1 | -0.0016 mg/L | -0.0016 mg/L | 19:13:02 |
| 1 | Cu 324.752† | 23436.7 | 21574.1 | 0.0913 mg/L | 0.0913 mg/L | 19:13:02 |
| 1 | Fe 234.349† | 3865.6 | 2316.0 | 0.0410 mg/L | 0.0410 mg/L | 19:13:02 |
| 1 | Fe 238.204† | 5692.0 | 4927.8 | 0.0421 mg/L | 0.0421 mg/L | 19:13:02 |
| 1 | Mg 279.077† | 246.3 | 126.6 | -0.0113 mg/L | -0.0113 mg/L | 19:13:02 |
| 1 | Mn 257.610† | 1220.8 | -369.0 | -0.0033 mg/L | -0.0033 mg/L | 19:13:02 |
| 1 | Mo 202.031† | 90.5 | 49.2 | 0.0028 mg/L | 0.0028 mg/L | 19:13:22 |
| 1 | Ni 231.604† | 708.3 | 34.2 | -0.0028 mg/L | -0.0028 mg/L | 19:13:02 |
| 1 | P 214.914† | 92.5 | 25.2 | 0.0368 mg/L | 0.0368 mg/L | 19:13:22 |
| 1 | Pb 220.353† | -77.0 | 47.6 | 0.0050 mg/L | 0.0050 mg/L | 19:13:22 |
| 1 | Sb 206.836† | 33.7 | -1.5 | -0.0020 mg/L | -0.0020 mg/L | 19:13:22 |
| 1 | Se 196.026† | -4.9 | -0.1 | 0.0004 mg/L | 0.0004 mg/L | 19:13:22 |
| 1 | Sn 189.927† | 48.5 | -12.4 | -0.0110 mg/L | -0.0110 mg/L | 19:13:22 |
| 1 | Sr 407.771† | -219.6 | 75.1 | -0.0002 mg/L | -0.0002 mg/L | 19:12:56 |
| 1 | Ti 337.279† | -1346.9 | 210.5 | -0.0005 mg/L | -0.0005 mg/L | 19:13:02 |
| 1 | Tl 190.801† | -6.4 | 12.7 | 0.0267 mg/L | 0.0267 mg/L | 19:13:22 |
| 1 | V 292.402† | -1322.5 | -99.1 | -0.0008 mg/L | -0.0008 mg/L | 19:13:02 |
| 1 | Zn 213.857† | 3312.0 | 2623.3 | 0.0313 mg/L | 0.0313 mg/L | 19:13:02 |
| 2 | K 766.490† | -404.5 | 7.2 | 0.6234 mg/L | 0.6234 mg/L | 19:12:48 |
| 2 | Li 670.784† | -165.3 | -43.9 | 0.0095 mg/L | 0.0095 mg/L | 19:12:48 |
| 2 | Na 589.592 | 192.4 | -124.3 | 0.1665 mg/L | 0.1665 mg/L | 19:12:48 |
| 2 | Y 371.029 | 3218244.5 | 3218244.5 | 0.990 mg/L | | 19:13:28 |
| 2 | Ag 328.068† | -1532.9 | 198.5 | 0.0010 mg/L | 0.0010 mg/L | 19:13:33 |
| 2 | Al 237.313† | -167.0 | 18.7 | 0.0020 mg/L | 0.0020 mg/L | 19:13:33 |
| 2 | As 188.979† | 3.4 | -0.9 | -0.0009 mg/L | -0.0009 mg/L | 19:13:53 |
| 2 | B 182.528† | 0.1 | 3.4 | 0.0127 mg/L | 0.0127 mg/L | 19:13:53 |
| 2 | Ba 233.527† | -94.1 | -1.5 | -0.0012 mg/L | -0.0012 mg/L | 19:13:53 |
| 2 | Be 313.107† | 1185.3 | 174.8 | -0.0001 mg/L | -0.0001 mg/L | 19:13:33 |
| 2 | Ca 315.886† | 827.7 | 162.8 | -0.0215 mg/L | -0.0215 mg/L | 19:13:33 |
| 2 | Cd 228.802† | 140.2 | -6.1 | -0.0012 mg/L | -0.0012 mg/L | 19:13:53 |
| 2 | Co 228.616† | -60.0 | 7.5 | -0.0035 mg/L | -0.0035 mg/L | 19:13:53 |
| 2 | Cr 267.716† | 1568.9 | -119.4 | -0.0023 mg/L | -0.0023 mg/L | 19:13:33 |
| 2 | Cu 324.752† | 22373.7 | 20454.2 | 0.0864 mg/L | 0.0864 mg/L | 19:13:33 |
| 2 | Fe 234.349† | 3751.7 | 2193.4 | 0.0383 mg/L | 0.0383 mg/L | 19:13:33 |
| 2 | Fe 238.204† | 5443.5 | 4665.6 | 0.0393 mg/L | 0.0393 mg/L | 19:13:33 |
| 2 | Mg 279.077† | 201.8 | 81.2 | -0.0139 mg/L | -0.0139 mg/L | 19:13:33 |
| 2 | Mn 257.610† | 1186.7 | -405.9 | -0.0033 mg/L | -0.0033 mg/L | 19:13:33 |
| 2 | Mo 202.031† | 62.9 | 21.2 | 0.0006 mg/L | 0.0006 mg/L | 19:13:53 |

| | | | | | | |
|---|-------------|---------|--------|--------------|--------------|----------|
| 2 | Ni 231.604† | 718.0 | 42.6 | -0.0026 mg/L | -0.0026 mg/L | 19:13:33 |
| 2 | P 214.914† | 81.9 | 14.2 | 0.0270 mg/L | 0.0270 mg/L | 19:13:53 |
| 2 | Pb 220.353† | -86.8 | 38.0 | 0.0037 mg/L | 0.0037 mg/L | 19:13:53 |
| 2 | Sb 206.836† | 38.5 | 3.3 | 0.0007 mg/L | 0.0007 mg/L | 19:13:53 |
| 2 | Se 196.026† | -2.0 | 2.8 | 0.0047 mg/L | 0.0047 mg/L | 19:13:53 |
| 2 | Sn 189.927† | 41.1 | -19.9 | -0.0133 mg/L | -0.0133 mg/L | 19:13:53 |
| 2 | Sr 407.771† | -403.8 | -110.5 | -0.0002 mg/L | -0.0002 mg/L | 19:13:28 |
| 2 | Ti 337.279† | -1388.9 | 170.7 | -0.0005 mg/L | -0.0005 mg/L | 19:13:33 |
| 2 | Tl 190.801† | -13.8 | 5.2 | 0.0196 mg/L | 0.0196 mg/L | 19:13:53 |
| 2 | V 292.402† | -1126.9 | 101.0 | 0.0002 mg/L | 0.0002 mg/L | 19:13:33 |
| 2 | Zn 213.857† | 3250.9 | 2555.1 | 0.0304 mg/L | 0.0304 mg/L | 19:13:33 |

Mean Data: ICCB

| Analyte | Mean Corrected Intensity | Calib Conc. Units | Std.Dev. | Sample Conc. Units | Std.Dev. | RSD |
|--|--------------------------|-------------------|----------|--------------------|----------|---------|
| Y 371.029 | 3215084.8 | 0.989 mg/L | 0.0014 | | | 0.14% |
| Ag 328.068† | 225.2 | 0.0011 mg/L | 0.00015 | 0.0011 mg/L | 0.00015 | 13.64% |
| QC value within limits for Ag 328.068 Recovery = Not calculated | | | | | | |
| Al 237.313† | 10.7 | 0.0008 mg/L | 0.00168 | 0.0008 mg/L | 0.00168 | 203.85% |
| QC value within limits for Al 237.313 Recovery = Not calculated | | | | | | |
| As 188.979† | 0.4 | 0.0013 mg/L | 0.00302 | 0.0013 mg/L | 0.00302 | 236.22% |
| QC value within limits for As 188.979 Recovery = Not calculated | | | | | | |
| B 182.528† | 2.8 | 0.0113 mg/L | 0.00194 | 0.0113 mg/L | 0.00194 | 17.19% |
| QC value within limits for B 182.528 Recovery = Not calculated | | | | | | |
| Ba 233.527† | 12.9 | -0.0010 mg/L | 0.00023 | -0.0010 mg/L | 0.00023 | 22.20% |
| QC value within limits for Ba 233.527 Recovery = Not calculated | | | | | | |
| Be 313.107† | 234.2 | 0.0000 mg/L | 0.00002 | 0.0000 mg/L | 0.00002 | 45.96% |
| QC value within limits for Be 313.107 Recovery = Not calculated | | | | | | |
| Ca 315.886† | 89.0 | -0.0221 mg/L | 0.00089 | -0.0221 mg/L | 0.00089 | 4.00% |
| QC value less than the lower limit for Ca 315.886 Recovery = Not calculated | | | | | | |
| Cd 228.802† | -4.4 | -0.0012 mg/L | 0.00004 | -0.0012 mg/L | 0.00004 | 3.62% |
| QC value within limits for Cd 228.802 Recovery = Not calculated | | | | | | |
| Co 228.616† | 7.8 | -0.0035 mg/L | 0.00001 | -0.0035 mg/L | 0.00001 | 0.39% |
| QC value less than the lower limit for Co 228.616 Recovery = Not calculated | | | | | | |
| Cr 267.716† | -73.3 | -0.0020 mg/L | 0.00051 | -0.0020 mg/L | 0.00051 | 26.22% |
| QC value within limits for Cr 267.716 Recovery = Not calculated | | | | | | |
| Cu 324.752† | 21014.2 | 0.0888 mg/L | 0.00345 | 0.0888 mg/L | 0.00345 | 3.89% |
| QC value greater than the upper limit for Cu 324.752 Recovery = Not calculated | | | | | | |
| Fe 234.349† | 2254.7 | 0.0397 mg/L | 0.00195 | 0.0397 mg/L | 0.00195 | 4.91% |
| QC value greater than the upper limit for Fe 234.349 Recovery = Not calculated | | | | | | |
| Fe 238.204† | 4796.7 | 0.0407 mg/L | 0.00196 | 0.0407 mg/L | 0.00196 | 4.82% |
| QC value greater than the upper limit for Fe 238.204 Recovery = Not calculated | | | | | | |
| K 766.490† | 7.6 | 0.6236 mg/L | 0.00026 | 0.6236 mg/L | 0.00026 | 0.04% |
| QC value greater than the upper limit for K 766.490 Recovery = Not calculated | | | | | | |
| Li 670.784† | -27.0 | 0.0097 mg/L | 0.00028 | 0.0097 mg/L | 0.00028 | 2.91% |
| QC value within limits for Li 670.784 Recovery = Not calculated | | | | | | |
| Mg 279.077† | 103.9 | -0.0126 mg/L | 0.00184 | -0.0126 mg/L | 0.00184 | 14.61% |
| QC value less than the lower limit for Mg 279.077 Recovery = Not calculated | | | | | | |
| Mn 257.610† | -387.5 | -0.0033 mg/L | 0.00003 | -0.0033 mg/L | 0.00003 | 1.06% |
| QC value within limits for Mn 257.610 Recovery = Not calculated | | | | | | |
| Mo 202.031† | 35.2 | 0.0017 mg/L | 0.00153 | 0.0017 mg/L | 0.00153 | 88.80% |
| QC value within limits for Mo 202.031 Recovery = Not calculated | | | | | | |
| Na 589.592 | -99.0 | 0.1697 mg/L | 0.00457 | 0.1697 mg/L | 0.00457 | 2.69% |
| QC value within limits for Na 589.592 Recovery = Not calculated | | | | | | |
| Ni 231.604† | 38.4 | -0.0027 mg/L | 0.00014 | -0.0027 mg/L | 0.00014 | 5.02% |
| QC value less than the lower limit for Ni 231.604 Recovery = Not calculated | | | | | | |
| P 214.914† | 19.7 | 0.0319 mg/L | 0.00691 | 0.0319 mg/L | 0.00691 | 21.69% |
| QC value within limits for P 214.914 Recovery = Not calculated | | | | | | |
| Pb 220.353† | 42.8 | 0.0044 mg/L | 0.00098 | 0.0044 mg/L | 0.00098 | 22.43% |
| QC value within limits for Pb 220.353 Recovery = Not calculated | | | | | | |
| Sb 206.836† | 0.9 | -0.0007 mg/L | 0.00186 | -0.0007 mg/L | 0.00186 | 285.94% |
| QC value within limits for Sb 206.836 Recovery = Not calculated | | | | | | |
| Se 196.026† | 1.3 | 0.0026 mg/L | 0.00299 | 0.0026 mg/L | 0.00299 | 116.71% |
| QC value within limits for Se 196.026 Recovery = Not calculated | | | | | | |
| Sn 189.927† | -16.2 | -0.0122 mg/L | 0.00162 | -0.0122 mg/L | 0.00162 | 13.26% |
| QC value within limits for Sn 189.927 Recovery = Not calculated | | | | | | |
| Sr 407.771† | -17.7 | -0.0002 mg/L | 0.00001 | -0.0002 mg/L | 0.00001 | 3.20% |
| QC value within limits for Sr 407.771 Recovery = Not calculated | | | | | | |
| Ti 337.279† | 190.6 | -0.0005 mg/L | 0.00004 | -0.0005 mg/L | 0.00004 | 8.05% |
| QC value within limits for Ti 337.279 Recovery = Not calculated | | | | | | |
| Tl 190.801† | 9.0 | 0.0231 mg/L | 0.00506 | 0.0231 mg/L | 0.00506 | 21.85% |

QC value within limits for Tl 190.801 Recovery = Not calculated
 V 292.402† 1.0 -0.0003 mg/L 0.00068 -0.0003 mg/L 0.00068 256.87%
 QC value within limits for V 292.402 Recovery = Not calculated
 Zn 213.857† 2589.2 0.0308 mg/L 0.00063 0.0308 mg/L 0.00063 2.05%
 QC value greater than the upper limit for Zn 213.857 Recovery = Not calculated
 QC Failed. Continue with analysis.

Sequence No.: 27
 Sample ID: 0608248-11
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 29
 Date Collected: 8/14/2006 7:15:31 PM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Replicate Data: 0608248-11

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. Units | Sample Conc. Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------------------|--------------------|---------------|
| 1 | K 766.490† | 27595.2 | 26900.4 | 12.47 mg/L | 12.47 mg/L | 19:17:08 |
| 1 | Li 670.784† | 6260.4 | 6131.5 | 0.0827 mg/L | 0.0827 mg/L | 19:17:08 |
| 1 | Na 589.592 | 41831.8 | 41515.2 | 5.497 mg/L | 5.497 mg/L | 19:17:08 |
| 1 | Y 371.029 | 3385859.6 | 3385859.6 | 1.04 mg/L | 1.04 mg/L | 19:17:25 |
| 1 | Ag 328.068† | -2429.2 | -585.1 | 0.0006 mg/L | 0.0006 mg/L | 19:17:30 |
| 1 | Al 237.313† | 400817.4 | 384876.5 | 55.81 mg/L | 55.81 mg/L | 19:17:30 |
| 1 | As 188.979† | 39.5 | 33.5 | 0.0516 mg/L | 0.0516 mg/L | 19:17:51 |
| 1 | B 182.528† | 3.8 | 6.9 | 0.0202 mg/L | 0.0202 mg/L | 19:17:51 |
| 1 | Ba 233.527† | 20568.2 | 19834.1 | 0.2222 mg/L | 0.2222 mg/L | 19:17:30 |
| 1 | Be 313.107† | 16532.9 | 14845.7 | 0.0013 mg/L | 0.0013 mg/L | 19:17:30 |
| 1 | Ca 315.886† | 655348.4 | 628305.3 | 5.269 mg/L | 5.269 mg/L | 19:17:25 |
| 1 | Cd 228.802† | 215.1 | 58.9 | 0.0008 mg/L | 0.0008 mg/L | 19:17:51 |
| 1 | Co 228.616† | 1039.1 | 1065.4 | 0.0219 mg/L | 0.0219 mg/L | 19:17:51 |
| 1 | Cr 267.716† | 7162.9 | 5171.1 | 0.0422 mg/L | 0.0422 mg/L | 19:17:30 |
| 1 | Cu 324.752† | 26349.5 | 23151.6 | 0.1129 mg/L | 0.1129 mg/L | 19:17:30 |
| 1 | Fe 234.349† | 3086397.6 | 2960610.8 | 66.39 mg/L | 66.39 mg/L | 19:17:25 |
| 1 | Fe 238.204† | 6302068.0 | 6047651.6 | 64.05 mg/L | 64.05 mg/L | 19:17:25 |
| 1 | Mg 279.077† | 192504.7 | 184636.0 | 10.53 mg/L | 10.53 mg/L | 19:17:30 |
| 1 | Mn 257.610† | 1328298.2 | 1273245.3 | 1.708 mg/L | 1.708 mg/L | 19:17:25 |
| 1 | Mo 202.031† | 117.6 | 70.5 | 0.0045 mg/L | 0.0045 mg/L | 19:17:51 |
| 1 | Ni 231.604† | 2168.6 | 1398.9 | 0.0288 mg/L | 0.0288 mg/L | 19:17:51 |
| 1 | P 214.914† | 6286.3 | 5964.9 | 5.334 mg/L | 5.334 mg/L | 19:17:51 |
| 1 | Pb 220.353† | 305.9 | 419.1 | 0.0660 mg/L | 0.0660 mg/L | 19:17:51 |
| 1 | Sb 206.836† | 13.0 | -23.1 | -0.0179 mg/L | -0.0179 mg/L | 19:17:51 |
| 1 | Se 196.026† | -7.7 | -2.6 | -0.0031 mg/L | -0.0031 mg/L | 19:17:51 |
| 1 | Sn 189.927† | 142.9 | 75.7 | 0.0216 mg/L | 0.0216 mg/L | 19:17:51 |
| 1 | Sr 407.771† | 439315.5 | 421935.4 | 0.0208 mg/L | 0.0208 mg/L | 19:17:25 |
| 1 | Ti 337.279† | 2353093.7 | 2259982.0 | 3.286 mg/L | 3.286 mg/L | 19:17:25 |
| 1 | Tl 190.801† | -40.7 | -19.9 | 0.0188 mg/L | 0.0188 mg/L | 19:17:51 |
| 1 | V 292.402† | 14082.3 | 14754.5 | 0.0609 mg/L | 0.0609 mg/L | 19:17:30 |
| 1 | Zn 213.857† | 22740.1 | 21097.5 | 0.2687 mg/L | 0.2687 mg/L | 19:17:30 |
| 2 | K 766.490† | 27666.1 | 27321.4 | 12.65 mg/L | 12.65 mg/L | 19:17:13 |
| 2 | Li 670.784† | 6250.5 | 6201.8 | 0.0836 mg/L | 0.0836 mg/L | 19:17:13 |
| 2 | Na 589.592 | 41886.7 | 41570.0 | 5.504 mg/L | 5.504 mg/L | 19:17:13 |
| 2 | Y 371.029 | 3341439.9 | 3341439.9 | 1.03 mg/L | 1.03 mg/L | 19:18:00 |
| 2 | Ag 328.068† | -2524.5 | -708.8 | 0.0001 mg/L | 0.0001 mg/L | 19:18:05 |
| 2 | Al 237.313† | 404908.1 | 393968.7 | 57.13 mg/L | 57.13 mg/L | 19:18:05 |
| 2 | As 188.979† | 33.8 | 28.5 | 0.0435 mg/L | 0.0435 mg/L | 19:18:25 |
| 2 | B 182.528† | 4.5 | 7.7 | 0.0218 mg/L | 0.0218 mg/L | 19:18:25 |
| 2 | Ba 233.527† | 20696.3 | 20221.1 | 0.2266 mg/L | 0.2266 mg/L | 19:18:05 |
| 2 | Be 313.107† | 16756.1 | 15273.6 | 0.0014 mg/L | 0.0014 mg/L | 19:18:05 |
| 2 | Ca 315.886† | 645017.4 | 626619.5 | 5.254 mg/L | 5.254 mg/L | 19:18:00 |
| 2 | Cd 228.802† | 209.6 | 56.2 | 0.0007 mg/L | 0.0007 mg/L | 19:18:25 |
| 2 | Co 228.616† | 1032.1 | 1071.8 | 0.0221 mg/L | 0.0221 mg/L | 19:18:25 |
| 2 | Cr 267.716† | 7095.1 | 5196.6 | 0.0424 mg/L | 0.0424 mg/L | 19:18:05 |
| 2 | Cu 324.752† | 26062.7 | 23208.9 | 0.1131 mg/L | 0.1131 mg/L | 19:18:05 |
| 2 | Fe 234.349† | 3042189.8 | 2956996.1 | 66.30 mg/L | 66.30 mg/L | 19:18:00 |
| 2 | Fe 238.204† | 6212415.0 | 6040868.1 | 63.98 mg/L | 63.98 mg/L | 19:18:00 |
| 2 | Mg 279.077† | 194530.1 | 189061.8 | 10.78 mg/L | 10.78 mg/L | 19:18:05 |
| 2 | Mn 257.610† | 1307829.1 | 1270286.0 | 1.704 mg/L | 1.704 mg/L | 19:18:00 |
| 2 | Mo 202.031† | 113.5 | 68.0 | 0.0043 mg/L | 0.0043 mg/L | 19:18:25 |
| 2 | Ni 231.604† | 2135.6 | 1394.4 | 0.0287 mg/L | 0.0287 mg/L | 19:18:25 |
| 2 | P 214.914† | 6307.1 | 6065.3 | 5.423 mg/L | 5.423 mg/L | 19:18:25 |
| 2 | Pb 220.353† | 303.7 | 420.9 | 0.0666 mg/L | 0.0666 mg/L | 19:18:25 |

| | | | | | | |
|---|-------------|-----------|-----------|--------------|--------------|----------|
| 2 | Sb 206.836† | 21.2 | -15.0 | -0.0135 mg/L | -0.0135 mg/L | 19:18:25 |
| 2 | Se 196.026† | -2.4 | 2.4 | 0.0042 mg/L | 0.0042 mg/L | 19:18:25 |
| 2 | Sn 189.927† | 139.4 | 74.1 | 0.0212 mg/L | 0.0212 mg/L | 19:18:25 |
| 2 | Sr 407.771† | 435178.3 | 423517.0 | 0.0209 mg/L | 0.0209 mg/L | 19:18:00 |
| 2 | Ti 337.279† | 2320616.9 | 2258419.9 | 3.283 mg/L | 3.283 mg/L | 19:18:00 |
| 2 | Tl 190.801† | -39.6 | -19.3 | 0.0192 mg/L | 0.0192 mg/L | 19:18:25 |
| 2 | V 292.402† | 14198.3 | 15047.1 | 0.0624 mg/L | 0.0624 mg/L | 19:18:05 |
| 2 | Zn 213.857† | 22984.5 | 21625.4 | 0.2756 mg/L | 0.2756 mg/L | 19:18:05 |

Mean Data: 0608248-11

| Analyte | Mean Corrected | | Calib Conc. Units | Std.Dev. | Sample | | RSD |
|-------------|----------------|--|----------------------|----------|--------------|----------|---------|
| | Intensity | | | | Conc. Units | Std.Dev. | |
| Y 371.029 | 3363649.8 | | 1.04 mg/L | 0.010 | | | 0.93% |
| Ag 328.068† | -646.9 | | 0.0003 mg/L | 0.00034 | 0.0003 mg/L | 0.00034 | 100.44% |
| Al 237.313† | 389422.6 | | 56.47 mg/L | 0.937 | 56.47 mg/L | 0.937 | 1.66% |
| As 188.979† | 31.0 | | 0.0475 mg/L | 0.00573 | 0.0475 mg/L | 0.00573 | 12.06% |
| B 182.528† | 7.3 | | 0.0210 mg/L | 0.00113 | 0.0210 mg/L | 0.00113 | 5.40% |
| Ba 233.527† | 20027.6 | | 0.2244 mg/L | 0.00308 | 0.2244 mg/L | 0.00308 | 1.37% |
| Be 313.107† | 15059.7 | | 0.0014 mg/L | 0.00008 | 0.0014 mg/L | 0.00008 | 5.75% |
| Ca 315.886† | 627462.4 | | 5.262 mg/L | 0.0100 | 5.262 mg/L | 0.0100 | 0.19% |
| Cd 228.802† | 57.6 | | 0.0008 mg/L | 0.00002 | 0.0008 mg/L | 0.00002 | 2.09% |
| Co 228.616† | 1068.6 | | 0.0220 mg/L | 0.00014 | 0.0220 mg/L | 0.00014 | 0.65% |
| Cr 267.716† | 5183.8 | | 0.0423 mg/L | 0.00014 | 0.0423 mg/L | 0.00014 | 0.33% |
| Cu 324.752† | 23180.3 | | 0.1130 mg/L | 0.00016 | 0.1130 mg/L | 0.00016 | 0.15% |
| Fe 234.349† | 2958803.4 | | 66.35 mg/L | 0.057 | 66.35 mg/L | 0.057 | 0.09% |
| Fe 238.204† | 6044259.8 | | 64.02 mg/L | 0.051 | 64.02 mg/L | 0.051 | 0.08% |
| K 766.490† | 27110.9 | | 12.56 mg/L | 0.131 | 12.56 mg/L | 0.131 | 1.04% |
| Li 670.784† | 6166.6 | | 0.0831 mg/L | 0.00059 | 0.0831 mg/L | 0.00059 | 0.71% |
| Mg 279.077† | 186848.9 | | 10.66 mg/L | 0.179 | 10.66 mg/L | 0.179 | 1.68% |
| Mn 257.610† | 1271765.7 | | 1.706 mg/L | 0.0028 | 1.706 mg/L | 0.0028 | 0.16% |
| Mo 202.031† | 69.3 | | 0.0044 mg/L | 0.00013 | 0.0044 mg/L | 0.00013 | 3.02% |
| Na 589.592 | 41542.6 | | 5.501 mg/L | 0.0050 | 5.501 mg/L | 0.0050 | 0.09% |
| Ni 231.604† | 1396.7 | | 0.0287 mg/L | 0.00007 | 0.0287 mg/L | 0.00007 | 0.26% |
| P 214.914† | 6015.1 | | 5.379 mg/L | 0.0633 | 5.379 mg/L | 0.0633 | 1.18% |
| Pb 220.353† | 420.0 | | 0.0663 mg/L | 0.00037 | 0.0663 mg/L | 0.00037 | 0.56% |
| Sb 206.836† | -19.1 | | -0.0157 mg/L | 0.00312 | -0.0157 mg/L | 0.00312 | 19.84% |
| Se 196.026† | -0.1 | | 0.0005 mg/L | 0.00514 | 0.0005 mg/L | 0.00514 | 966.90% |
| Sn 189.927† | 74.9 | | 0.0214 mg/L | 0.00035 | 0.0214 mg/L | 0.00035 | 1.63% |
| Sr 407.771† | 422726.2 | | 0.0209 mg/L | 0.00006 | 0.0209 mg/L | 0.00006 | 0.27% |
| Ti 337.279† | 2259200.9 | | 3.284 mg/L | 0.0016 | 3.284 mg/L | 0.0016 | 0.05% |
| Tl 190.801† | -19.6 | | 0.0190 mg/L | 0.00031 | 0.0190 mg/L | 0.00031 | 1.65% |
| V 292.402† | 14900.8 | | 0.0617 mg/L | 0.00104 | 0.0617 mg/L | 0.00104 | 1.69% |
| Zn 213.857† | 21361.5 | | 0.2722 mg/L | 0.00490 | 0.2722 mg/L | 0.00490 | 1.80% |

Sequence No.: 28

Sample ID: BH61418-DUP2

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 30

Date Collected: 8/14/2006 7:20:04 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: BH61418-DUP2

| Repl# | Analyte | Net | | Calib. Conc. Units | Sample Conc. Units | Analysis Time |
|-------|-------------|-----------|------------------------|-----------------------|-----------------------|------------------|
| | | Intensity | Corrected Intensity | | | |
| 1 | K 766.490† | 28935.1 | 28449.6 | 13.15 mg/L | 13.15 mg/L | 19:21:40 |
| 1 | Li 670.784† | 6780.1 | 6692.0 | 0.0894 mg/L | 0.0894 mg/L | 19:21:40 |
| 1 | Na 589.592 | 40685.2 | 40368.6 | 5.351 mg/L | 5.351 mg/L | 19:21:40 |
| 1 | Y 371.029 | 3354078.7 | 3354078.7 | 1.03 mg/L | | 19:21:57 |
| 1 | Ag 328.068† | -2706.3 | -875.7 | -0.0005 mg/L | -0.0005 mg/L | 19:22:02 |
| 1 | Al 237.313† | 396046.8 | 383899.5 | 55.66 mg/L | 55.66 mg/L | 19:22:02 |
| 1 | As 188.979† | 25.7 | 20.5 | 0.0306 mg/L | 0.0306 mg/L | 19:22:23 |
| 1 | B 182.528† | 4.5 | 7.6 | 0.0217 mg/L | 0.0217 mg/L | 19:22:23 |
| 1 | Ba 233.527† | 20847.2 | 20291.5 | 0.2274 mg/L | 0.2274 mg/L | 19:22:02 |
| 1 | Be 313.107† | 16876.1 | 15328.5 | 0.0014 mg/L | 0.0014 mg/L | 19:22:02 |
| 1 | Ca 315.886† | 933528.2 | 903781.1 | 7.589 mg/L | 7.589 mg/L | 19:21:57 |
| 1 | Cd 228.802† | 184.0 | 30.6 | 0.0002 mg/L | 0.0002 mg/L | 19:22:23 |
| 1 | Co 228.616† | 943.1 | 981.8 | 0.0191 mg/L | 0.0191 mg/L | 19:22:23 |
| 1 | Cr 267.716† | 6963.9 | 5043.5 | 0.0414 mg/L | 0.0414 mg/L | 19:22:02 |
| 1 | Cu 324.752† | 28087.2 | 25074.9 | 0.1217 mg/L | 0.1217 mg/L | 19:22:02 |
| 1 | Fe 234.349† | 3145495.2 | 3045935.7 | 68.30 mg/L | 68.30 mg/L | 19:21:57 |

| | | | | | | |
|---|-------------|-----------|-----------|--------------|--------------|----------|
| 1 | Fe 238.204† | 6411404.7 | 6210894.2 | 65.78 mg/L | 65.78 mg/L | 19:21:57 |
| 1 | Mg 279.077† | 199026.7 | 192705.5 | 10.99 mg/L | 10.99 mg/L | 19:22:02 |
| 1 | Mn 257.610† | 1179548.4 | 1141207.8 | 1.530 mg/L | 1.530 mg/L | 19:21:57 |
| 1 | Mo 202.031† | 129.6 | 83.1 | 0.0054 mg/L | 0.0054 mg/L | 19:22:23 |
| 1 | Ni 231.604† | 2106.8 | 1358.7 | 0.0278 mg/L | 0.0278 mg/L | 19:22:23 |
| 1 | P 214.914† | 6140.4 | 5880.7 | 5.259 mg/L | 5.259 mg/L | 19:22:23 |
| 1 | Pb 220.353† | 242.7 | 360.7 | 0.0576 mg/L | 0.0576 mg/L | 19:22:23 |
| 1 | Sb 206.836† | 18.6 | -17.5 | -0.0150 mg/L | -0.0150 mg/L | 19:22:23 |
| 1 | Se 196.026† | 0.2 | 4.9 | 0.0078 mg/L | 0.0078 mg/L | 19:22:23 |
| 1 | Sn 189.927† | 135.8 | 70.2 | 0.0201 mg/L | 0.0201 mg/L | 19:22:23 |
| 1 | Sr 407.771† | 492306.4 | 477271.1 | 0.0236 mg/L | 0.0236 mg/L | 19:21:57 |
| 1 | Ti 337.279† | 2400604.5 | 2327412.2 | 3.384 mg/L | 3.384 mg/L | 19:21:57 |
| 1 | Tl 190.801† | -38.5 | -18.1 | 0.0172 mg/L | 0.0172 mg/L | 19:22:23 |
| 1 | V 292.402† | 14400.8 | 15191.3 | 0.0627 mg/L | 0.0627 mg/L | 19:22:02 |
| 1 | Zn 213.857† | 23161.9 | 21713.1 | 0.2767 mg/L | 0.2767 mg/L | 19:22:02 |
| 2 | K 766.490† | 28726.3 | 28185.2 | 13.03 mg/L | 13.03 mg/L | 19:21:45 |
| 2 | Li 670.784† | 6756.5 | 6654.5 | 0.0889 mg/L | 0.0889 mg/L | 19:21:45 |
| 2 | Na 589.592 | 40520.2 | 40203.6 | 5.329 mg/L | 5.329 mg/L | 19:21:45 |
| 2 | Y 371.029 | 3361578.4 | 3361578.4 | 1.03 mg/L | 1.03 mg/L | 19:22:32 |
| 2 | Ag 328.068† | -2758.0 | -919.8 | -0.0006 mg/L | -0.0006 mg/L | 19:22:37 |
| 2 | Al 237.313† | 397875.9 | 384811.6 | 55.79 mg/L | 55.79 mg/L | 19:22:37 |
| 2 | As 188.979† | 28.0 | 22.6 | 0.0340 mg/L | 0.0340 mg/L | 19:22:57 |
| 2 | B 182.528† | 1.1 | 4.4 | 0.0147 mg/L | 0.0147 mg/L | 19:22:57 |
| 2 | Ba 233.527† | 20931.3 | 20327.7 | 0.2278 mg/L | 0.2278 mg/L | 19:22:37 |
| 2 | Be 313.107† | 16975.6 | 15388.2 | 0.0014 mg/L | 0.0014 mg/L | 19:22:37 |
| 2 | Ca 315.886† | 935274.8 | 903451.7 | 7.586 mg/L | 7.586 mg/L | 19:22:32 |
| 2 | Cd 228.802† | 205.6 | 51.2 | 0.0007 mg/L | 0.0007 mg/L | 19:22:57 |
| 2 | Co 228.616† | 950.5 | 986.9 | 0.0193 mg/L | 0.0193 mg/L | 19:22:57 |
| 2 | Cr 267.716† | 6965.6 | 5030.1 | 0.0413 mg/L | 0.0413 mg/L | 19:22:37 |
| 2 | Cu 324.752† | 27995.1 | 24925.1 | 0.1210 mg/L | 0.1210 mg/L | 19:22:37 |
| 2 | Fe 234.349† | 3150958.6 | 3044418.0 | 68.27 mg/L | 68.27 mg/L | 19:22:32 |
| 2 | Fe 238.204† | 6422712.4 | 6207966.7 | 65.75 mg/L | 65.75 mg/L | 19:22:32 |
| 2 | Mg 279.077† | 200031.5 | 193246.6 | 11.02 mg/L | 11.02 mg/L | 19:22:37 |
| 2 | Mn 257.610† | 1181879.5 | 1140911.7 | 1.530 mg/L | 1.530 mg/L | 19:22:32 |
| 2 | Mo 202.031† | 106.6 | 60.6 | 0.0037 mg/L | 0.0037 mg/L | 19:22:57 |
| 2 | Ni 231.604† | 2085.0 | 1333.1 | 0.0272 mg/L | 0.0272 mg/L | 19:22:57 |
| 2 | P 214.914† | 6142.5 | 5869.4 | 5.249 mg/L | 5.249 mg/L | 19:22:57 |
| 2 | Pb 220.353† | 247.6 | 364.9 | 0.0582 mg/L | 0.0582 mg/L | 19:22:57 |
| 2 | Sb 206.836† | 24.1 | -12.3 | -0.0121 mg/L | -0.0121 mg/L | 19:22:57 |
| 2 | Se 196.026† | -5.5 | -0.6 | -0.0002 mg/L | -0.0002 mg/L | 19:22:57 |
| 2 | Sn 189.927† | 144.0 | 77.8 | 0.0224 mg/L | 0.0224 mg/L | 19:22:57 |
| 2 | Sr 407.771† | 493695.3 | 477549.6 | 0.0236 mg/L | 0.0236 mg/L | 19:22:32 |
| 2 | Ti 337.279† | 2405022.9 | 2326494.4 | 3.382 mg/L | 3.382 mg/L | 19:22:32 |
| 2 | Tl 190.801† | -48.1 | -27.3 | 0.0084 mg/L | 0.0084 mg/L | 19:22:57 |
| 2 | V 292.402† | 14608.7 | 15361.1 | 0.0636 mg/L | 0.0636 mg/L | 19:22:37 |
| 2 | Zn 213.857† | 23220.8 | 21719.9 | 0.2768 mg/L | 0.2768 mg/L | 19:22:37 |

Mean Data: BH61418-DUP2

| Analyte | Mean Corrected | | Calib Conc. Units | Std.Dev. | Sample | | Std.Dev. | RSD |
|-------------|----------------|--------------|----------------------|----------|--------------|----------|----------|-----|
| | Intensity | Conc. Units | | | Conc. Units | Std.Dev. | | |
| Y 371.029 | 3357828.5 | 1.03 mg/L | 0.002 | | | | 0.16% | |
| Ag 328.068† | -897.7 | -0.0006 mg/L | 0.00012 | 0.00012 | -0.0006 mg/L | 0.00012 | 22.00% | |
| Al 237.313† | 384355.6 | 55.72 mg/L | 0.094 | 0.094 | 55.72 mg/L | 0.094 | 0.17% | |
| As 188.979† | 21.6 | 0.0323 mg/L | 0.00240 | 0.00240 | 0.0323 mg/L | 0.00240 | 7.43% | |
| B 182.528† | 6.0 | 0.0182 mg/L | 0.00495 | 0.00495 | 0.0182 mg/L | 0.00495 | 27.17% | |
| Ba 233.527† | 20309.6 | 0.2276 mg/L | 0.00029 | 0.00029 | 0.2276 mg/L | 0.00029 | 0.13% | |
| Be 313.107† | 15358.4 | 0.0014 mg/L | 0.00001 | 0.00001 | 0.0014 mg/L | 0.00001 | 0.83% | |
| Ca 315.886† | 903616.4 | 7.587 mg/L | 0.0020 | 0.0020 | 7.587 mg/L | 0.0020 | 0.03% | |
| Cd 228.802† | 40.9 | 0.0004 mg/L | 0.00036 | 0.00036 | 0.0004 mg/L | 0.00036 | 88.18% | |
| Co 228.616† | 984.4 | 0.0192 mg/L | 0.00011 | 0.00011 | 0.0192 mg/L | 0.00011 | 0.59% | |
| Cr 267.716† | 5036.8 | 0.0414 mg/L | 0.00008 | 0.00008 | 0.0414 mg/L | 0.00008 | 0.18% | |
| Cu 324.752† | 25000.0 | 0.1214 mg/L | 0.00047 | 0.00047 | 0.1214 mg/L | 0.00047 | 0.38% | |
| Fe 234.349† | 3045176.8 | 68.28 mg/L | 0.024 | 0.024 | 68.28 mg/L | 0.024 | 0.04% | |
| Fe 238.204† | 6209430.5 | 65.77 mg/L | 0.022 | 0.022 | 65.77 mg/L | 0.022 | 0.03% | |
| K 766.490† | 28317.4 | 13.09 mg/L | 0.082 | 0.082 | 13.09 mg/L | 0.082 | 0.63% | |
| Li 670.784† | 6673.2 | 0.0892 mg/L | 0.00031 | 0.00031 | 0.0892 mg/L | 0.00031 | 0.35% | |
| Mg 279.077† | 192976.1 | 11.01 mg/L | 0.022 | 0.022 | 11.01 mg/L | 0.022 | 0.20% | |
| Mn 257.610† | 1141059.7 | 1.530 mg/L | 0.0003 | 0.0003 | 1.530 mg/L | 0.0003 | 0.02% | |
| Mo 202.031† | 71.9 | 0.0046 mg/L | 0.00123 | 0.00123 | 0.0046 mg/L | 0.00123 | 26.98% | |
| Na 589.592 | 40286.1 | 5.340 mg/L | 0.0149 | 0.0149 | 5.340 mg/L | 0.0149 | 0.28% | |
| Ni 231.604† | 1345.9 | 0.0275 mg/L | 0.00042 | 0.00042 | 0.0275 mg/L | 0.00042 | 1.52% | |

| | | | | | | |
|-------------|-----------|--------------|---------|--------------|---------|---------|
| P 214.914† | 5875.0 | 5.254 mg/L | 0.0071 | 5.254 mg/L | 0.0071 | 0.14% |
| Pb 220.353† | 362.8 | 0.0579 mg/L | 0.00044 | 0.0579 mg/L | 0.00044 | 0.75% |
| Sb 206.836† | -14.9 | -0.0136 mg/L | 0.00202 | -0.0136 mg/L | 0.00202 | 14.92% |
| Se 196.026† | 2.2 | 0.0038 mg/L | 0.00567 | 0.0038 mg/L | 0.00567 | 148.54% |
| Sn 189.927† | 74.0 | 0.0213 mg/L | 0.00162 | 0.0213 mg/L | 0.00162 | 7.60% |
| Sr 407.771† | 477410.3 | 0.0236 mg/L | 0.00001 | 0.0236 mg/L | 0.00001 | 0.04% |
| Ti 337.279† | 2326953.3 | 3.383 mg/L | 0.0009 | 3.383 mg/L | 0.0009 | 0.03% |
| Tl 190.801† | -22.7 | 0.0128 mg/L | 0.00623 | 0.0128 mg/L | 0.00623 | 48.67% |
| V 292.402† | 15276.2 | 0.0632 mg/L | 0.00059 | 0.0632 mg/L | 0.00059 | 0.93% |
| Zn 213.857† | 21716.5 | 0.2767 mg/L | 0.00007 | 0.2767 mg/L | 0.00007 | 0.03% |

Duplicate Check: BH61418-DUP2

| Analyte | Expected Conc. | Measured Conc. | Std. Dev. | Units | Difference (%) |
|------------|----------------|----------------|-----------|-------|----------------|
| K 766.490 | 12.56 | 13.09 | 0.082 | mg/L | 4.1 |
| Li 670.784 | 0.0831 | 0.0892 | 0.000 | mg/L | 7.0 |
| Na 589.592 | 5.501 | 5.340 | 0.015 | mg/L | 3.0 |
| Y 371.029 | | | 0.000 | mg/L | Not calculated |
| Ag 328.068 | 0.0003 | -0.0006 | 0.000 | mg/L | -829.4 |
| Al 237.313 | 56.47 | 55.72 | 0.094 | mg/L | 1.3 |
| As 188.979 | 0.0475 | 0.0323 | 0.002 | mg/L | 38.2 |
| B 182.528 | 0.0210 | 0.0182 | 0.005 | mg/L | 14.0 |
| Ba 233.527 | 0.2244 | 0.2276 | 0.000 | mg/L | 1.4 |
| Be 313.107 | 0.0014 | 0.0014 | 0.000 | mg/L | 0.3 |
| Ca 315.886 | 5.262 | 7.587 | 0.002 | mg/L | 36.2 |
| Cd 228.802 | 0.0008 | 0.0004 | 0.000 | mg/L | 59.2 |
| Co 228.616 | 0.0220 | 0.0192 | 0.000 | mg/L | 13.5 |
| Cr 267.716 | 0.0423 | 0.0414 | 0.000 | mg/L | 2.2 |
| Cu 324.752 | 0.1130 | 0.1214 | 0.000 | mg/L | 7.1 |
| Fe 234.349 | 66.35 | 68.28 | 0.024 | mg/L | 2.9 |
| Fe 238.204 | 64.02 | 65.77 | 0.022 | mg/L | 2.7 |
| Mg 279.077 | 10.66 | 11.01 | 0.022 | mg/L | 3.2 |
| Mn 257.610 | 1.706 | 1.530 | 0.000 | mg/L | 10.9 |
| Mo 202.031 | 0.0044 | 0.0046 | 0.001 | mg/L | 4.6 |
| Ni 231.604 | 0.0287 | 0.0275 | 0.000 | mg/L | 4.2 |
| P 214.914 | 5.379 | 5.254 | 0.007 | mg/L | 2.3 |
| Pb 220.353 | 0.0663 | 0.0579 | 0.000 | mg/L | 13.6 |
| Sb 206.836 | -0.0157 | -0.0136 | 0.002 | mg/L | -14.8 |
| Se 196.026 | 0.0005 | 0.0038 | 0.006 | mg/L | 151.1 |
| Sn 189.927 | 0.0214 | 0.0213 | 0.002 | mg/L | 0.5 |
| Sr 407.771 | 0.0209 | 0.0236 | 0.000 | mg/L | 12.3 |
| Ti 337.279 | 3.284 | 3.383 | 0.001 | mg/L | 3.0 |
| Tl 190.801 | 0.0190 | 0.0128 | 0.006 | mg/L | 38.9 |
| V 292.402 | 0.0617 | 0.0632 | 0.001 | mg/L | 2.4 |
| Zn 213.857 | 0.2722 | 0.2767 | 0.000 | mg/L | 1.7 |

Sequence No.: 29

Sample ID: BH61418-MS2

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 31

Date Collected: 8/14/2006 7:24:36 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: BH61418-MS2

| Repl# | Analyte | Intensity | | Calib. Conc. Units | Sample Conc. Units | | Analysis Time |
|-------|-------------|-----------|-----------|--------------------|--------------------|----------|---------------|
| | | Net | Corrected | | Conc. | Units | |
| 1 | K 766.490† | 78732.8 | 77099.5 | 34.58 mg/L | 34.58 mg/L | 19:26:11 | |
| 1 | Li 670.784† | 42946.4 | 41951.8 | 0.5075 mg/L | 0.5075 mg/L | 19:26:11 | |
| 1 | Na 589.592 | 200738.6 | 200421.9 | 25.84 mg/L | 25.84 mg/L | 19:26:11 | |
| 1 | Y 371.029 | 3336441.9 | 3336441.9 | 1.03 mg/L | | 19:26:29 | |
| 1 | Ag 328.068† | 49495.4 | 49953.7 | 0.1992 mg/L | 0.1992 mg/L | 19:26:34 | |
| 1 | Al 237.313† | 419892.2 | 409152.8 | 59.32 mg/L | 59.32 mg/L | 19:26:34 | |
| 1 | As 188.979† | 252.8 | 241.8 | 0.3870 mg/L | 0.3870 mg/L | 19:26:55 | |
| 1 | B 182.528† | 180.7 | 179.2 | 0.3874 mg/L | 0.3874 mg/L | 19:26:55 | |
| 1 | Ba 233.527† | 57704.2 | 56296.1 | 0.6329 mg/L | 0.6329 mg/L | 19:26:34 | |
| 1 | Be 313.107† | 175889.4 | 170290.3 | 0.0415 mg/L | 0.0415 mg/L | 19:26:34 | |
| 1 | Ca 315.886† | 1238960.8 | 1206046.4 | 10.14 mg/L | 10.14 mg/L | 19:26:29 | |
| 1 | Cd 228.802† | 7894.7 | 7541.6 | 0.1949 mg/L | 0.1949 mg/L | 19:26:55 | |
| 1 | Co 228.616† | 14262.5 | 13959.5 | 0.4150 mg/L | 0.4150 mg/L | 19:26:55 | |
| 1 | Cr 267.716† | 59744.8 | 56486.5 | 0.4468 mg/L | 0.4468 mg/L | 19:26:34 | |

| | | | | | | |
|---|-------------|-----------|-----------|-------------|-------------|----------|
| 1 | Cu 324.752† | 114087.8 | 108981.3 | 0.4886 mg/L | 0.4886 mg/L | 19:26:34 |
| 1 | Fe 234.349† | 3379134.4 | 3289604.4 | 73.76 mg/L | 73.76 mg/L | 19:26:29 |
| 1 | Fe 238.204† | 6866877.1 | 6687349.7 | 70.83 mg/L | 70.83 mg/L | 19:26:29 |
| 1 | Mg 279.077† | 272642.3 | 265424.7 | 15.15 mg/L | 15.15 mg/L | 19:26:34 |
| 1 | Mn 257.610† | 1500620.1 | 1459965.3 | 1.959 mg/L | 1.959 mg/L | 19:26:29 |
| 1 | Mo 202.031† | 5369.2 | 5187.1 | 0.4008 mg/L | 0.4008 mg/L | 19:26:55 |
| 1 | Ni 231.604† | 19574.1 | 18382.2 | 0.4218 mg/L | 0.4218 mg/L | 19:26:34 |
| 1 | P 214.914† | 10574.0 | 10230.4 | 9.138 mg/L | 9.138 mg/L | 19:26:55 |
| 1 | Pb 220.353† | 2912.0 | 2961.8 | 0.4303 mg/L | 0.4303 mg/L | 19:26:55 |
| 1 | Sb 206.836† | 631.9 | 579.9 | 0.3013 mg/L | 0.3013 mg/L | 19:26:55 |
| 1 | Se 196.026† | 514.5 | 505.9 | 0.7378 mg/L | 0.7378 mg/L | 19:26:55 |
| 1 | Sn 189.927† | 1538.2 | 1436.8 | 0.4336 mg/L | 0.4336 mg/L | 19:26:55 |
| 1 | Sr 407.771† | 1297001.8 | 1263547.3 | 0.0628 mg/L | 0.0628 mg/L | 19:26:29 |
| 1 | Ti 337.279† | 2654812.8 | 2587299.8 | 3.762 mg/L | 3.762 mg/L | 19:26:29 |
| 1 | Tl 190.801† | 401.4 | 410.1 | 0.4285 mg/L | 0.4285 mg/L | 19:26:55 |
| 1 | V 292.402† | 97557.4 | 96257.6 | 0.4745 mg/L | 0.4745 mg/L | 19:26:34 |
| 1 | Zn 213.857† | 53754.1 | 51627.7 | 0.6667 mg/L | 0.6667 mg/L | 19:26:34 |
| 2 | K 766.490† | 78815.6 | 76472.6 | 34.30 mg/L | 34.30 mg/L | 19:26:17 |
| 2 | Li 670.784† | 43021.3 | 41638.6 | 0.5038 mg/L | 0.5038 mg/L | 19:26:17 |
| 2 | Na 589.592 | 200553.6 | 200237.0 | 25.82 mg/L | 25.82 mg/L | 19:26:17 |
| 2 | Y 371.029 | 3367483.9 | 3367483.9 | 1.04 mg/L | | 19:27:04 |
| 2 | Ag 328.068† | 49202.4 | 49226.6 | 0.1963 mg/L | 0.1963 mg/L | 19:27:09 |
| 2 | Al 237.313† | 416218.4 | 401837.6 | 58.25 mg/L | 58.25 mg/L | 19:27:09 |
| 2 | As 188.979† | 262.2 | 248.6 | 0.3980 mg/L | 0.3980 mg/L | 19:27:29 |
| 2 | B 182.528† | 180.4 | 177.4 | 0.3834 mg/L | 0.3834 mg/L | 19:27:29 |
| 2 | Ba 233.527† | 57189.6 | 55281.4 | 0.6214 mg/L | 0.6214 mg/L | 19:27:09 |
| 2 | Be 313.107† | 174196.6 | 167077.5 | 0.0406 mg/L | 0.0406 mg/L | 19:27:09 |
| 2 | Ca 315.886† | 1247392.5 | 1203059.4 | 10.11 mg/L | 10.11 mg/L | 19:27:04 |
| 2 | Cd 228.802† | 7935.9 | 7510.5 | 0.1940 mg/L | 0.1940 mg/L | 19:27:29 |
| 2 | Co 228.616† | 14340.6 | 13906.8 | 0.4134 mg/L | 0.4134 mg/L | 19:27:29 |
| 2 | Cr 267.716† | 59132.6 | 55359.3 | 0.4379 mg/L | 0.4379 mg/L | 19:27:09 |
| 2 | Cu 324.752† | 113217.8 | 107117.5 | 0.4805 mg/L | 0.4805 mg/L | 19:27:09 |
| 2 | Fe 234.349† | 3402979.7 | 3282276.3 | 73.60 mg/L | 73.60 mg/L | 19:27:04 |
| 2 | Fe 238.204† | 6912026.8 | 6669266.3 | 70.64 mg/L | 70.64 mg/L | 19:27:04 |
| 2 | Mg 279.077† | 269659.9 | 260098.8 | 14.85 mg/L | 14.85 mg/L | 19:27:09 |
| 2 | Mn 257.610† | 1511463.3 | 1456956.0 | 1.955 mg/L | 1.955 mg/L | 19:27:04 |
| 2 | Mo 202.031† | 5391.0 | 5159.9 | 0.3987 mg/L | 0.3987 mg/L | 19:27:29 |
| 2 | Ni 231.604† | 19360.2 | 18000.1 | 0.4130 mg/L | 0.4130 mg/L | 19:27:09 |
| 2 | P 214.914† | 10633.8 | 10193.1 | 9.104 mg/L | 9.104 mg/L | 19:27:29 |
| 2 | Pb 220.353† | 2933.8 | 2956.7 | 0.4293 mg/L | 0.4293 mg/L | 19:27:29 |
| 2 | Sb 206.836† | 637.4 | 579.5 | 0.3013 mg/L | 0.3013 mg/L | 19:27:29 |
| 2 | Se 196.026† | 517.6 | 504.2 | 0.7354 mg/L | 0.7354 mg/L | 19:27:29 |
| 2 | Sn 189.927† | 1559.1 | 1443.1 | 0.4355 mg/L | 0.4355 mg/L | 19:27:29 |
| 2 | Sr 407.771† | 1308763.8 | 1263252.8 | 0.0628 mg/L | 0.0628 mg/L | 19:27:04 |
| 2 | Ti 337.279† | 2678203.3 | 2586036.0 | 3.760 mg/L | 3.760 mg/L | 19:27:04 |
| 2 | Tl 190.801† | 402.8 | 407.9 | 0.4264 mg/L | 0.4264 mg/L | 19:27:29 |
| 2 | V 292.402† | 96677.8 | 94532.8 | 0.4658 mg/L | 0.4658 mg/L | 19:27:09 |
| 2 | Zn 213.857† | 53319.4 | 50725.7 | 0.6550 mg/L | 0.6550 mg/L | 19:27:09 |

Mean Data: BH61418-MS2

| Analyte | Mean Corrected Intensity | Conc. Units | Calib | Std.Dev. | Sample Conc. Units | Std.Dev. | RSD |
|-------------|--------------------------|-------------|-------|----------|--------------------|----------|-------|
| Y 371.029 | 3351962.9 | 1.03 mg/L | | 0.007 | | | 0.65% |
| Ag 328.068† | 49590.1 | 0.1977 mg/L | | 0.00202 | 0.1977 mg/L | 0.00202 | 1.02% |
| Al 237.313† | 405495.2 | 58.78 mg/L | | 0.754 | 58.78 mg/L | 0.754 | 1.28% |
| As 188.979† | 245.2 | 0.3925 mg/L | | 0.00777 | 0.3925 mg/L | 0.00777 | 1.98% |
| B 182.528† | 178.3 | 0.3854 mg/L | | 0.00284 | 0.3854 mg/L | 0.00284 | 0.74% |
| Ba 233.527† | 55788.7 | 0.6272 mg/L | | 0.00808 | 0.6272 mg/L | 0.00808 | 1.29% |
| Be 313.107† | 168683.9 | 0.0411 mg/L | | 0.00059 | 0.0411 mg/L | 0.00059 | 1.44% |
| Ca 315.886† | 1204552.9 | 10.12 mg/L | | 0.018 | 10.12 mg/L | 0.018 | 0.18% |
| Cd 228.802† | 7526.1 | 0.1944 mg/L | | 0.00062 | 0.1944 mg/L | 0.00062 | 0.32% |
| Co 228.616† | 13933.1 | 0.4142 mg/L | | 0.00113 | 0.4142 mg/L | 0.00113 | 0.27% |
| Cr 267.716† | 55922.9 | 0.4423 mg/L | | 0.00629 | 0.4423 mg/L | 0.00629 | 1.42% |
| Cu 324.752† | 108049.4 | 0.4846 mg/L | | 0.00577 | 0.4846 mg/L | 0.00577 | 1.19% |
| Fe 234.349† | 3285940.4 | 73.68 mg/L | | 0.116 | 73.68 mg/L | 0.116 | 0.16% |
| Fe 238.204† | 6678308.0 | 70.73 mg/L | | 0.135 | 70.73 mg/L | 0.135 | 0.19% |
| K 766.490† | 76786.0 | 34.44 mg/L | | 0.195 | 34.44 mg/L | 0.195 | 0.57% |
| Li 670.784† | 41795.2 | 0.5057 mg/L | | 0.00263 | 0.5057 mg/L | 0.00263 | 0.52% |
| Mg 279.077† | 262761.8 | 15.00 mg/L | | 0.215 | 15.00 mg/L | 0.215 | 1.44% |
| Mn 257.610† | 1458460.7 | 1.957 mg/L | | 0.0029 | 1.957 mg/L | 0.0029 | 0.15% |
| Mo 202.031† | 5173.5 | 0.3997 mg/L | | 0.00149 | 0.3997 mg/L | 0.00149 | 0.37% |

| | | | | | | |
|-------------|-----------|-------------|---------|-------------|---------|-------|
| Na 589.592 | 200329.5 | 25.83 mg/L | 0.017 | 25.83 mg/L | 0.017 | 0.06% |
| Ni 231.604† | 18191.2 | 0.4174 mg/L | 0.00625 | 0.4174 mg/L | 0.00625 | 1.50% |
| P 214.914† | 10211.7 | 9.121 mg/L | 0.0235 | 9.121 mg/L | 0.0235 | 0.26% |
| Pb 220.353† | 2959.2 | 0.4298 mg/L | 0.00066 | 0.4298 mg/L | 0.00066 | 0.15% |
| Sb 206.836† | 579.7 | 0.3013 mg/L | 0.00002 | 0.3013 mg/L | 0.00002 | 0.01% |
| Se 196.026† | 505.1 | 0.7366 mg/L | 0.00174 | 0.7366 mg/L | 0.00174 | 0.24% |
| Sn 189.927† | 1439.9 | 0.4346 mg/L | 0.00135 | 0.4346 mg/L | 0.00135 | 0.31% |
| Sr 407.771† | 1263400.0 | 0.0628 mg/L | 0.00001 | 0.0628 mg/L | 0.00001 | 0.02% |
| Ti 337.279† | 2586667.9 | 3.761 mg/L | 0.0013 | 3.761 mg/L | 0.0013 | 0.03% |
| Tl 190.801† | 409.0 | 0.4274 mg/L | 0.00154 | 0.4274 mg/L | 0.00154 | 0.36% |
| V 292.402† | 95395.2 | 0.4702 mg/L | 0.00612 | 0.4702 mg/L | 0.00612 | 1.30% |
| Zn 213.857† | 51176.7 | 0.6609 mg/L | 0.00832 | 0.6609 mg/L | 0.00832 | 1.26% |

Matrix Recovery Check: BH61418-MS2

| Analyte | Expected Conc. | Measured Conc. | Std. Dev. | Units | Recovery (%) |
|------------|----------------|----------------|-----------|-------|--------------|
| K 766.490 | 37.56 | 34.44 | 0.195 | mg/L | 87.5 |
| Li 670.784 | 0.5831 | 0.5057 | 0.003 | mg/L | 84.5 |
| Na 589.592 | 30.50 | 25.83 | 0.017 | mg/L | 81.3 |
| Ag 328.068 | 0.2503 | 0.1977 | 0.002 | mg/L | 79.0 |
| Al 237.313 | 58.97 | 58.78 | 0.754 | mg/L | 92.5 |
| As 188.979 | 0.5475 | 0.3925 | 0.008 | mg/L | 69.0 |
| B 182.528 | 0.5210 | 0.3854 | 0.003 | mg/L | 72.9 |
| Ba 233.527 | 0.7244 | 0.6272 | 0.008 | mg/L | 80.6 |
| Be 313.107 | 0.0514 | 0.0411 | 0.001 | mg/L | 79.3 |
| Ca 315.886 | 10.26 | 10.12 | 0.018 | mg/L | 97.2 |
| Cd 228.802 | 0.2508 | 0.1944 | 0.001 | mg/L | 77.5 |
| Co 228.616 | 0.5220 | 0.4142 | 0.001 | mg/L | 78.4 |
| Cr 267.716 | 0.5423 | 0.4423 | 0.006 | mg/L | 80.0 |
| Cu 324.752 | 0.6130 | 0.4846 | 0.006 | mg/L | 74.3 |
| Fe 234.349 | 68.85 | 73.68 | 0.116 | mg/L | 293.3 |
| Fe 238.204 | 66.52 | 70.73 | 0.135 | mg/L | 268.7 |
| Mg 279.077 | 15.66 | 15.00 | 0.215 | mg/L | 86.8 |
| Mn 257.610 | 2.206 | 1.957 | 0.003 | mg/L | 50.2 |
| Mo 202.031 | 0.5044 | 0.3997 | 0.001 | mg/L | 79.1 |
| Ni 231.604 | 0.5287 | 0.4174 | 0.006 | mg/L | 77.7 |
| P 214.914 | 10.38 | 9.121 | 0.024 | mg/L | 74.9 |
| Pb 220.353 | 0.5663 | 0.4298 | 0.001 | mg/L | 72.7 |
| Sb 206.836 | 0.4843 | 0.3013 | 0.000 | mg/L | 63.4 |
| Se 196.026 | 1.001 | 0.7366 | 0.002 | mg/L | 73.6 |
| Sn 189.927 | 0.5214 | 0.4346 | 0.001 | mg/L | 82.6 |
| Sr 407.771 | 0.0709 | 0.0628 | 0.000 | mg/L | 83.8 |
| Ti 337.279 | 3.784 | 3.761 | 0.001 | mg/L | 95.2 |
| Tl 190.801 | 0.5190 | 0.4274 | 0.002 | mg/L | 81.7 |
| V 292.402 | 0.5617 | 0.4702 | 0.006 | mg/L | 81.7 |
| Zn 213.857 | 0.7722 | 0.6609 | 0.008 | mg/L | 77.7 |

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Sequence No.: 30
 Sample ID: BH61418-SD2
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 32
 Date Collected: 8/14/2006 7:29:08 PM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Replicate Data: BH61418-SD2

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. | Units | Sample Conc. | Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------------|-------|--------------|-------|---------------|
| 1 | K 766.490† | 4778.9 | 5224.9 | 2.921 | mg/L | 2.921 | mg/L | 19:30:46 |
| 1 | Li 670.784† | 1107.2 | 1237.3 | 0.0247 | mg/L | 0.0247 | mg/L | 19:30:46 |
| 1 | Na 589.592 | 8596.1 | 8279.4 | 1.242 | mg/L | 1.242 | mg/L | 19:30:46 |
| 1 | Y 371.029 | 3229025.1 | 3229025.1 | 0.994 | mg/L | | | 19:31:01 |
| 1 | Ag 328.068† | -1667.5 | 68.2 | 0.0011 | mg/L | 0.0011 | mg/L | 19:31:07 |
| 1 | Al 237.313† | 83094.1 | 83811.4 | 12.15 | mg/L | 12.15 | mg/L | 19:31:07 |
| 1 | As 188.979† | 11.2 | 6.9 | 0.0111 | mg/L | 0.0111 | mg/L | 19:31:27 |
| 1 | B 182.528† | 2.9 | 6.2 | 0.0186 | mg/L | 0.0186 | mg/L | 19:31:27 |
| 1 | Ba 233.527† | 4213.9 | 4334.3 | 0.0476 | mg/L | 0.0476 | mg/L | 19:31:07 |
| 1 | Be 313.107† | 4471.9 | 3478.5 | 0.0003 | mg/L | 0.0003 | mg/L | 19:31:07 |
| 1 | Ca 315.886† | 134389.8 | 134574.0 | 1.110 | mg/L | 1.110 | mg/L | 19:31:01 |
| 1 | Cd 228.802† | 156.5 | 9.9 | -0.0008 | mg/L | -0.0008 | mg/L | 19:31:27 |
| 1 | Co 228.616† | 154.9 | 224.0 | 0.0017 | mg/L | 0.0017 | mg/L | 19:31:27 |

| | | | | | | |
|---|-------------|-----------|-----------|--------------|--------------|----------|
| 1 | Cr 267.716† | 2724.7 | 1038.5 | 0.0074 mg/L | 0.0074 mg/L | 19:31:07 |
| 1 | Cu 324.752† | 15141.1 | 13100.1 | 0.0575 mg/L | 0.0575 mg/L | 19:31:07 |
| 1 | Fe 234.349† | 639984.6 | 642471.1 | 14.40 mg/L | 14.40 mg/L | 19:31:01 |
| 1 | Fe 238.204† | 1348442.7 | 1356211.3 | 14.36 mg/L | 14.36 mg/L | 19:31:01 |
| 1 | Mg 279.077† | 40956.8 | 41095.3 | 2.330 mg/L | 2.330 mg/L | 19:31:07 |
| 1 | Mn 257.610† | 273039.7 | 273176.8 | 0.3642 mg/L | 0.3642 mg/L | 19:31:01 |
| 1 | Mo 202.031† | 63.9 | 21.9 | 0.0007 mg/L | 0.0007 mg/L | 19:31:27 |
| 1 | Ni 231.604† | 1039.6 | 363.7 | 0.0048 mg/L | 0.0048 mg/L | 19:31:07 |
| 1 | P 214.914† | 1384.2 | 1324.5 | 1.196 mg/L | 1.196 mg/L | 19:31:27 |
| 1 | Pb 220.353† | -8.7 | 116.8 | 0.0167 mg/L | 0.0167 mg/L | 19:31:27 |
| 1 | Sb 206.836† | 36.0 | 0.6 | -0.0017 mg/L | -0.0017 mg/L | 19:31:27 |
| 1 | Se 196.026† | -6.4 | -1.7 | -0.0018 mg/L | -0.0018 mg/L | 19:31:27 |
| 1 | Sn 189.927† | 78.3 | 17.4 | -0.0008 mg/L | -0.0008 mg/L | 19:31:27 |
| 1 | Sr 407.771† | 91431.4 | 92311.8 | 0.0044 mg/L | 0.0044 mg/L | 19:31:01 |
| 1 | Ti 337.279† | 472468.3 | 477054.5 | 0.6929 mg/L | 0.6929 mg/L | 19:31:01 |
| 1 | Tl 190.801† | -13.9 | 5.2 | 0.0246 mg/L | 0.0246 mg/L | 19:31:27 |
| 1 | V 292.402† | 1906.8 | 3157.8 | 0.0128 mg/L | 0.0128 mg/L | 19:31:07 |
| 1 | Zn 213.857† | 7521.6 | 6842.1 | 0.0855 mg/L | 0.0855 mg/L | 19:31:07 |
| 2 | K 766.490† | 4809.1 | 5201.9 | 2.911 mg/L | 2.911 mg/L | 19:30:52 |
| 2 | Li 670.784† | 1115.2 | 1232.9 | 0.0246 mg/L | 0.0246 mg/L | 19:30:52 |
| 2 | Na 589.592 | 8626.7 | 8310.1 | 1.246 mg/L | 1.246 mg/L | 19:30:52 |
| 2 | Y 371.029 | 3265111.7 | 3265111.7 | 1.00 mg/L | 1.00 mg/L | 19:31:34 |
| 2 | Ag 328.068† | -1802.0 | -47.1 | 0.0006 mg/L | 0.0006 mg/L | 19:31:39 |
| 2 | Al 237.313† | 82922.7 | 82716.6 | 11.99 mg/L | 11.99 mg/L | 19:31:39 |
| 2 | As 188.979† | 9.1 | 4.7 | 0.0075 mg/L | 0.0075 mg/L | 19:31:59 |
| 2 | B 182.528† | -0.7 | 2.6 | 0.0110 mg/L | 0.0110 mg/L | 19:31:59 |
| 2 | Ba 233.527† | 4227.9 | 4301.4 | 0.0473 mg/L | 0.0473 mg/L | 19:31:39 |
| 2 | Be 313.107† | 4480.4 | 3437.1 | 0.0003 mg/L | 0.0003 mg/L | 19:31:39 |
| 2 | Ca 315.886† | 135439.4 | 134123.8 | 1.107 mg/L | 1.107 mg/L | 19:31:34 |
| 2 | Cd 228.802† | 155.1 | 6.8 | -0.0008 mg/L | -0.0008 mg/L | 19:31:59 |
| 2 | Co 228.616† | 170.7 | 238.0 | 0.0021 mg/L | 0.0021 mg/L | 19:31:59 |
| 2 | Cr 267.716† | 2765.1 | 1048.4 | 0.0075 mg/L | 0.0075 mg/L | 19:31:39 |
| 2 | Cu 324.752† | 14912.0 | 12703.7 | 0.0558 mg/L | 0.0558 mg/L | 19:31:39 |
| 2 | Fe 234.349† | 648619.3 | 643946.5 | 14.43 mg/L | 14.43 mg/L | 19:31:34 |
| 2 | Fe 238.204† | 1366551.1 | 1359235.5 | 14.39 mg/L | 14.39 mg/L | 19:31:34 |
| 2 | Mg 279.077† | 40880.8 | 40564.2 | 2.299 mg/L | 2.299 mg/L | 19:31:39 |
| 2 | Mn 257.610† | 276535.7 | 273619.2 | 0.3648 mg/L | 0.3648 mg/L | 19:31:34 |
| 2 | Mo 202.031† | 69.7 | 27.0 | 0.0011 mg/L | 0.0011 mg/L | 19:31:59 |
| 2 | Ni 231.604† | 1008.7 | 321.4 | 0.0038 mg/L | 0.0038 mg/L | 19:31:39 |
| 2 | P 214.914† | 1377.9 | 1302.9 | 1.176 mg/L | 1.176 mg/L | 19:31:59 |
| 2 | Pb 220.353† | -28.2 | 97.5 | 0.0139 mg/L | 0.0139 mg/L | 19:31:59 |
| 2 | Sb 206.836† | 23.5 | -12.2 | -0.0087 mg/L | -0.0087 mg/L | 19:31:59 |
| 2 | Se 196.026† | -6.6 | -1.8 | -0.0019 mg/L | -0.0019 mg/L | 19:31:59 |
| 2 | Sn 189.927† | 77.2 | 15.4 | -0.0013 mg/L | -0.0013 mg/L | 19:31:59 |
| 2 | Sr 407.771† | 91191.3 | 91055.9 | 0.0043 mg/L | 0.0043 mg/L | 19:31:34 |
| 2 | Ti 337.279† | 478365.6 | 477668.7 | 0.6938 mg/L | 0.6938 mg/L | 19:31:34 |
| 2 | Tl 190.801† | -16.1 | 3.2 | 0.0226 mg/L | 0.0226 mg/L | 19:31:59 |
| 2 | V 292.402† | 1890.2 | 3120.1 | 0.0126 mg/L | 0.0126 mg/L | 19:31:39 |
| 2 | Zn 213.857† | 7489.9 | 6726.8 | 0.0840 mg/L | 0.0840 mg/L | 19:31:39 |

Mean Data: BH61418-SD2

| Analyte | Mean Corrected Intensity | Calib Conc. Units | Std.Dev. | Sample Conc. Units | Std.Dev. | RSD |
|-------------|--------------------------|-------------------|----------|--------------------|----------|--------|
| Y 371.029 | 3247068.4 | 0.999 mg/L | 0.0079 | | | |
| Ag 328.068† | 10.6 | 0.0008 mg/L | 0.00032 | 0.0008 mg/L | 0.00032 | 0.79% |
| Al 237.313† | 83264.0 | 12.07 mg/L | 0.113 | 12.07 mg/L | 0.113 | 38.51% |
| As 188.979† | 5.8 | 0.0093 mg/L | 0.00253 | 0.0093 mg/L | 0.00253 | 0.94% |
| B 182.528† | 4.4 | 0.0148 mg/L | 0.00542 | 0.0148 mg/L | 0.00542 | 27.20% |
| Ba 233.527† | 4317.8 | 0.0474 mg/L | 0.00026 | 0.0474 mg/L | 0.00026 | 36.61% |
| Be 313.107† | 3457.8 | 0.0003 mg/L | 0.00001 | 0.0003 mg/L | 0.00001 | 0.55% |
| Ca 315.886† | 134348.9 | 1.109 mg/L | 0.0027 | 1.109 mg/L | 0.0027 | 2.84% |
| Cd 228.802† | 8.3 | -0.0008 mg/L | 0.00004 | -0.0008 mg/L | 0.00004 | 0.24% |
| Co 228.616† | 231.0 | 0.0019 mg/L | 0.00030 | 0.0019 mg/L | 0.00030 | 5.16% |
| Cr 267.716† | 1043.5 | 0.0075 mg/L | 0.00006 | 0.0075 mg/L | 0.00006 | 16.16% |
| Cu 324.752† | 12901.9 | 0.0566 mg/L | 0.00122 | 0.0566 mg/L | 0.00122 | 0.75% |
| Fe 234.349† | 643208.8 | 14.41 mg/L | 0.023 | 14.41 mg/L | 0.023 | 2.15% |
| Fe 238.204† | 1357723.4 | 14.37 mg/L | 0.023 | 14.37 mg/L | 0.023 | 0.16% |
| K 766.490† | 5213.4 | 2.916 mg/L | 0.0072 | 2.916 mg/L | 0.0072 | 0.16% |
| Li 670.784† | 1235.1 | 0.0247 mg/L | 0.00004 | 0.0247 mg/L | 0.00004 | 0.25% |
| Mg 279.077† | 40829.8 | 2.314 mg/L | 0.0215 | 2.314 mg/L | 0.0215 | 0.15% |
| Mn 257.610† | 273398.0 | 0.3645 mg/L | 0.00042 | 0.3645 mg/L | 0.00042 | 0.93% |

| | | | | | | |
|-------------|----------|--------------|---------|--------------|---------|--------|
| Mo 202.031† | 24.5 | 0.0009 mg/L | 0.00028 | 0.0009 mg/L | 0.00028 | 30.79% |
| Na 589.592 | 8294.8 | 1.244 mg/L | 0.0028 | 1.244 mg/L | 0.0028 | 0.22% |
| Ni 231.604† | 342.6 | 0.0043 mg/L | 0.00069 | 0.0043 mg/L | 0.00069 | 15.99% |
| P 214.914† | 1313.7 | 1.186 mg/L | 0.0137 | 1.186 mg/L | 0.0137 | 1.15% |
| Pb 220.353† | 107.2 | 0.0153 mg/L | 0.00197 | 0.0153 mg/L | 0.00197 | 12.90% |
| Sb 206.836† | -5.8 | -0.0052 mg/L | 0.00492 | -0.0052 mg/L | 0.00492 | 94.92% |
| Se 196.026† | -1.7 | -0.0019 mg/L | 0.00008 | -0.0019 mg/L | 0.00008 | 4.02% |
| Sn 189.927† | 16.4 | -0.0010 mg/L | 0.00042 | -0.0010 mg/L | 0.00042 | 39.98% |
| Sr 407.771† | 91683.8 | 0.0044 mg/L | 0.00004 | 0.0044 mg/L | 0.00004 | 1.01% |
| Ti 337.279† | 477361.6 | 0.6934 mg/L | 0.00063 | 0.6934 mg/L | 0.00063 | 0.09% |
| Tl 190.801† | 4.2 | 0.0236 mg/L | 0.00136 | 0.0236 mg/L | 0.00136 | 5.78% |
| V 292.402† | 3139.0 | 0.0127 mg/L | 0.00013 | 0.0127 mg/L | 0.00013 | 1.05% |
| Zn 213.857† | 6784.5 | 0.0848 mg/L | 0.00107 | 0.0848 mg/L | 0.00107 | 1.26% |

Dilution Check: BH61418-SD2

| Analyte | Expected Conc. | Measured Conc. | Std. Dev. | Units | Difference (%) |
|------------|----------------|----------------|-----------|-------|----------------|
| K 766.490 | 2.512 | 2.916 | 0.007 | mg/L | 16.1 |
| Li 670.784 | 0.0166 | 0.0247 | 0.000 | mg/L | 48.3 |
| Na 589.592 | 1.100 | 1.244 | 0.003 | mg/L | 13.1 |
| Y 371.029 | | | 0.000 | mg/L | Not calculated |
| Ag 328.068 | 0.0001 | 0.0008 | 0.000 | mg/L | 1104.9 |
| Al 237.313 | 11.29 | 12.07 | 0.113 | mg/L | 6.9 |
| As 188.979 | 0.0095 | 0.0093 | 0.003 | mg/L | 2.1 |
| B 182.528 | 0.0042 | 0.0148 | 0.005 | mg/L | 253.1 |
| Ba 233.527 | 0.0449 | 0.0474 | 0.000 | mg/L | 5.7 |
| Be 313.107 | 0.0003 | 0.0003 | 0.000 | mg/L | 1.4 |
| Ca 315.886 | 1.052 | 1.109 | 0.003 | mg/L | 5.3 |
| Cd 228.802 | 0.0002 | -0.0008 | 0.000 | mg/L | 615.1 |
| Co 228.616 | 0.0044 | 0.0019 | 0.000 | mg/L | 57.4 |
| Cr 267.716 | 0.0085 | 0.0075 | 0.000 | mg/L | 11.9 |
| Cu 324.752 | 0.0226 | 0.0566 | 0.001 | mg/L | 150.6 |
| Fe 234.349 | 13.27 | 14.41 | 0.023 | mg/L | 8.6 |
| Fe 238.204 | 12.80 | 14.37 | 0.023 | mg/L | 12.3 |
| Mg 279.077 | 2.132 | 2.314 | 0.021 | mg/L | 8.6 |
| Mn 257.610 | 0.3412 | 0.3645 | 0.000 | mg/L | 6.8 |
| Mo 202.031 | 0.0009 | 0.0009 | 0.000 | mg/L | 2.7 |
| Ni 231.604 | 0.0057 | 0.0043 | 0.001 | mg/L | 24.7 |
| P 214.914 | 1.076 | 1.186 | 0.014 | mg/L | 10.2 |
| Pb 220.353 | 0.0133 | 0.0153 | 0.002 | mg/L | 15.2 |
| Sb 206.836 | -0.0031 | -0.0052 | 0.005 | mg/L | -64.9 |
| Se 196.026 | 0.0001 | -0.0019 | 0.000 | mg/L | 1865.5 |
| Sn 189.927 | 0.0043 | -0.0010 | 0.000 | mg/L | 124.5 |
| Sr 407.771 | 0.0042 | 0.0044 | 0.000 | mg/L | 4.6 |
| Ti 337.279 | 0.6569 | 0.6934 | 0.001 | mg/L | 5.6 |
| Tl 190.801 | 0.0038 | 0.0236 | 0.001 | mg/L | 521.9 |
| V 292.402 | 0.0123 | 0.0127 | 0.000 | mg/L | 3.0 |
| Zn 213.857 | 0.0544 | 0.0848 | 0.001 | mg/L | 55.7 |

Sequence No.: 31

Sample ID: BH61418-PDS2

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 33

Date Collected: 8/14/2006 7:33:38 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: BH61418-PDS2

| Repl# | Analyte | Net | | Calib. Conc. | Units | Sample | | Analysis Time |
|-------|-------------|-----------|---------------------|--------------|-------|--------|-------|---------------|
| | | Intensity | Corrected Intensity | | | Conc. | Units | |
| 1 | K 766.490† | 84288.3 | 82303.4 | 36.87 | mg/L | 36.87 | mg/L | 19:35:14 |
| 1 | Li 670.784† | 48068.3 | 46822.4 | 0.5653 | mg/L | 0.5653 | mg/L | 19:35:14 |
| 1 | Na 589.592 | 229426.0 | 229109.4 | 29.51 | mg/L | 29.51 | mg/L | 19:35:14 |
| 1 | Y 371.029 | 3344879.2 | 3344879.2 | 1.03 | mg/L | | | 19:35:32 |
| 1 | Ag 328.068† | 57715.9 | 57818.5 | 0.2298 | mg/L | 0.2298 | mg/L | 19:35:37 |
| 1 | Al 237.313† | 420974.7 | 409172.8 | 59.34 | mg/L | 59.34 | mg/L | 19:35:37 |
| 1 | As 188.979† | 312.2 | 298.9 | 0.4792 | mg/L | 0.4792 | mg/L | 19:35:57 |
| 1 | B 182.528† | 204.8 | 202.3 | 0.4365 | mg/L | 0.4365 | mg/L | 19:35:57 |
| 1 | Ba 233.527† | 62841.8 | 61145.7 | 0.6875 | mg/L | 0.6875 | mg/L | 19:35:37 |
| 1 | Be 313.107† | 200020.8 | 193302.3 | 0.0475 | mg/L | 0.0475 | mg/L | 19:35:37 |
| 1 | Ca 315.886† | 1216300.9 | 1180988.0 | 9.925 | mg/L | 9.925 | mg/L | 19:35:32 |

| | | | | | | |
|---|-------------|-----------|-----------|-------------|-------------|----------|
| 1 | Cd 228.802† | 9189.0 | 8779.7 | 0.2267 mg/L | 0.2267 mg/L | 19:35:57 |
| 1 | Co 228.616† | 16451.5 | 16051.0 | 0.4790 mg/L | 0.4790 mg/L | 19:35:57 |
| 1 | Cr 267.716† | 68180.7 | 64535.3 | 0.5097 mg/L | 0.5097 mg/L | 19:35:37 |
| 1 | Cu 324.752† | 126003.2 | 120277.0 | 0.5368 mg/L | 0.5368 mg/L | 19:35:37 |
| 1 | Fe 234.349† | 3129319.2 | 3038602.0 | 68.13 mg/L | 68.13 mg/L | 19:35:32 |
| 1 | Fe 238.204† | 6381330.7 | 6198760.9 | 65.65 mg/L | 65.65 mg/L | 19:35:32 |
| 1 | Mg 279.077† | 273568.4 | 265654.6 | 15.17 mg/L | 15.17 mg/L | 19:35:37 |
| 1 | Mn 257.610† | 1655958.3 | 1607192.8 | 2.157 mg/L | 2.157 mg/L | 19:35:32 |
| 1 | Mo 202.031† | 6363.0 | 6139.4 | 0.4745 mg/L | 0.4745 mg/L | 19:35:57 |
| 1 | Ni 231.604† | 22382.3 | 21062.4 | 0.4839 mg/L | 0.4839 mg/L | 19:35:37 |
| 1 | P 214.914† | 11152.0 | 10765.9 | 9.615 mg/L | 9.615 mg/L | 19:35:57 |
| 1 | Pb 220.353† | 3496.0 | 3522.0 | 0.5107 mg/L | 0.5107 mg/L | 19:35:57 |
| 1 | Sb 206.836† | 850.7 | 790.9 | 0.4148 mg/L | 0.4148 mg/L | 19:35:57 |
| 1 | Se 196.026† | 604.2 | 591.8 | 0.8629 mg/L | 0.8629 mg/L | 19:35:57 |
| 1 | Sn 189.927† | 1792.7 | 1680.2 | 0.5069 mg/L | 0.5069 mg/L | 19:35:57 |
| 1 | Sr 407.771† | 1397889.6 | 1358375.3 | 0.0675 mg/L | 0.0675 mg/L | 19:35:32 |
| 1 | Ti 337.279† | 2641606.8 | 2567947.6 | 3.733 mg/L | 3.733 mg/L | 19:35:32 |
| 1 | Tl 190.801† | 468.5 | 474.3 | 0.4926 mg/L | 0.4926 mg/L | 19:35:57 |
| 1 | V 292.402† | 109209.9 | 107338.5 | 0.5320 mg/L | 0.5320 mg/L | 19:35:37 |
| 1 | Zn 213.857† | 57060.9 | 54708.3 | 0.7073 mg/L | 0.7073 mg/L | 19:35:37 |
| 2 | K 766.490† | 84503.0 | 82616.2 | 37.01 mg/L | 37.01 mg/L | 19:35:20 |
| 2 | Li 670.784† | 48267.8 | 47075.7 | 0.5683 mg/L | 0.5683 mg/L | 19:35:20 |
| 2 | Na 589.592 | 230088.9 | 229772.2 | 29.60 mg/L | 29.60 mg/L | 19:35:20 |
| 2 | Y 371.029 | 3340638.7 | 3340638.7 | 1.03 mg/L | | 19:36:06 |
| 2 | Ag 328.068† | 57790.5 | 57962.3 | 0.2304 mg/L | 0.2304 mg/L | 19:36:12 |
| 2 | Al 237.313† | 420494.9 | 409225.2 | 59.35 mg/L | 59.35 mg/L | 19:36:12 |
| 2 | As 188.979† | 309.0 | 296.2 | 0.4748 mg/L | 0.4748 mg/L | 19:36:32 |
| 2 | B 182.528† | 213.3 | 210.8 | 0.4547 mg/L | 0.4547 mg/L | 19:36:32 |
| 2 | Ba 233.527† | 62671.5 | 61057.4 | 0.6865 mg/L | 0.6865 mg/L | 19:36:12 |
| 2 | Be 313.107† | 199859.5 | 193392.1 | 0.0475 mg/L | 0.0475 mg/L | 19:36:12 |
| 2 | Ca 315.886† | 1214235.4 | 1180478.7 | 9.921 mg/L | 9.921 mg/L | 19:36:06 |
| 2 | Cd 228.802† | 9166.6 | 8769.2 | 0.2265 mg/L | 0.2265 mg/L | 19:36:32 |
| 2 | Co 228.616† | 16477.3 | 16096.4 | 0.4804 mg/L | 0.4804 mg/L | 19:36:32 |
| 2 | Cr 267.716† | 68134.4 | 64574.4 | 0.5100 mg/L | 0.5100 mg/L | 19:36:12 |
| 2 | Cu 324.752† | 125921.8 | 120353.3 | 0.5371 mg/L | 0.5371 mg/L | 19:36:12 |
| 2 | Fe 234.349† | 3123847.3 | 3037138.3 | 68.10 mg/L | 68.10 mg/L | 19:36:06 |
| 2 | Fe 238.204† | 6371364.1 | 6196935.3 | 65.63 mg/L | 65.63 mg/L | 19:36:06 |
| 2 | Mg 279.077† | 273019.5 | 265458.1 | 15.16 mg/L | 15.16 mg/L | 19:36:12 |
| 2 | Mn 257.610† | 1654310.7 | 1607632.1 | 2.157 mg/L | 2.157 mg/L | 19:36:06 |
| 2 | Mo 202.031† | 6383.4 | 6167.1 | 0.4767 mg/L | 0.4767 mg/L | 19:36:32 |
| 2 | Ni 231.604† | 22386.5 | 21094.0 | 0.4846 mg/L | 0.4846 mg/L | 19:36:12 |
| 2 | P 214.914† | 11154.5 | 10782.1 | 9.630 mg/L | 9.630 mg/L | 19:36:32 |
| 2 | Pb 220.353† | 3498.4 | 3528.6 | 0.5117 mg/L | 0.5117 mg/L | 19:36:32 |
| 2 | Sb 206.836† | 863.6 | 804.4 | 0.4221 mg/L | 0.4221 mg/L | 19:36:32 |
| 2 | Se 196.026† | 607.4 | 595.6 | 0.8685 mg/L | 0.8685 mg/L | 19:36:32 |
| 2 | Sn 189.927† | 1808.1 | 1697.4 | 0.5121 mg/L | 0.5121 mg/L | 19:36:32 |
| 2 | Sr 407.771† | 1397283.8 | 1359509.9 | 0.0676 mg/L | 0.0676 mg/L | 19:36:06 |
| 2 | Ti 337.279† | 2639832.9 | 2569479.7 | 3.736 mg/L | 3.736 mg/L | 19:36:06 |
| 2 | Tl 190.801† | 476.4 | 482.6 | 0.5005 mg/L | 0.5005 mg/L | 19:36:32 |
| 2 | V 292.402† | 109130.6 | 107396.1 | 0.5324 mg/L | 0.5324 mg/L | 19:36:12 |
| 2 | Zn 213.857† | 57127.6 | 54843.5 | 0.7091 mg/L | 0.7091 mg/L | 19:36:12 |

Mean Data: BH61418-PDS2

| Analyte | Mean Corrected | | Calib Conc. Units | Std.Dev. | Sample | | Std.Dev. | RSD |
|-------------|----------------|-------------|----------------------|----------|-------------|----------|----------|-------|
| | Intensity | Conc. Units | | | Conc. Units | Std.Dev. | | |
| Y 371.029 | 3342759.0 | 1.03 mg/L | | 0.001 | | | | 0.09% |
| Ag 328.068† | 57890.4 | 0.2301 mg/L | | 0.00040 | 0.2301 mg/L | 0.00040 | 0.00040 | 0.17% |
| Al 237.313† | 409199.0 | 59.35 mg/L | | 0.006 | 59.35 mg/L | 0.006 | 0.006 | 0.01% |
| As 188.979† | 297.6 | 0.4770 mg/L | | 0.00311 | 0.4770 mg/L | 0.00311 | 0.00311 | 0.65% |
| B 182.528† | 206.5 | 0.4456 mg/L | | 0.01286 | 0.4456 mg/L | 0.01286 | 0.01286 | 2.89% |
| Ba 233.527† | 61101.5 | 0.6870 mg/L | | 0.00070 | 0.6870 mg/L | 0.00070 | 0.00070 | 0.10% |
| Be 313.107† | 193347.2 | 0.0475 mg/L | | 0.00002 | 0.0475 mg/L | 0.00002 | 0.00002 | 0.03% |
| Ca 315.886† | 1180733.4 | 9.923 mg/L | | 0.0030 | 9.923 mg/L | 0.0030 | 0.0030 | 0.03% |
| Cd 228.802† | 8774.4 | 0.2266 mg/L | | 0.00017 | 0.2266 mg/L | 0.00017 | 0.00017 | 0.07% |
| Co 228.616† | 16073.7 | 0.4797 mg/L | | 0.00098 | 0.4797 mg/L | 0.00098 | 0.00098 | 0.20% |
| Cr 267.716† | 64554.9 | 0.5099 mg/L | | 0.00022 | 0.5099 mg/L | 0.00022 | 0.00022 | 0.04% |
| Cu 324.752† | 120315.1 | 0.5370 mg/L | | 0.00023 | 0.5370 mg/L | 0.00023 | 0.00023 | 0.04% |
| Fe 234.349† | 3037870.1 | 68.11 mg/L | | 0.023 | 68.11 mg/L | 0.023 | 0.023 | 0.03% |
| Fe 238.204† | 6197848.1 | 65.64 mg/L | | 0.014 | 65.64 mg/L | 0.014 | 0.014 | 0.02% |
| K 766.490† | 82459.8 | 36.94 mg/L | | 0.097 | 36.94 mg/L | 0.097 | 0.097 | 0.26% |
| Li 670.784† | 46949.1 | 0.5668 mg/L | | 0.00212 | 0.5668 mg/L | 0.00212 | 0.00212 | 0.37% |

| | | | | | | |
|-------------|-----------|-------------|---------|-------------|---------|-------|
| Mg 279.077† | 265556.4 | 15.16 mg/L | 0.008 | 15.16 mg/L | 0.008 | 0.05% |
| Mn 257.610† | 1607412.5 | 2.157 mg/L | 0.0004 | 2.157 mg/L | 0.0004 | 0.02% |
| Mo 202.031† | 6153.2 | 0.4756 mg/L | 0.00152 | 0.4756 mg/L | 0.00152 | 0.32% |
| Na 589.592 | 229440.8 | 29.56 mg/L | 0.060 | 29.56 mg/L | 0.060 | 0.20% |
| Ni 231.604† | 21078.2 | 0.4842 mg/L | 0.00052 | 0.4842 mg/L | 0.00052 | 0.11% |
| P 214.914† | 10774.0 | 9.623 mg/L | 0.0102 | 9.623 mg/L | 0.0102 | 0.11% |
| Pb 220.353† | 3525.3 | 0.5112 mg/L | 0.00067 | 0.5112 mg/L | 0.00067 | 0.13% |
| Sb 206.836† | 797.7 | 0.4185 mg/L | 0.00518 | 0.4185 mg/L | 0.00518 | 1.24% |
| Se 196.026† | 593.7 | 0.8657 mg/L | 0.00392 | 0.8657 mg/L | 0.00392 | 0.45% |
| Sn 189.927† | 1688.8 | 0.5095 mg/L | 0.00367 | 0.5095 mg/L | 0.00367 | 0.72% |
| Sr 407.771† | 1358942.6 | 0.0676 mg/L | 0.00004 | 0.0676 mg/L | 0.00004 | 0.06% |
| Ti 337.279† | 2568713.6 | 3.735 mg/L | 0.0016 | 3.735 mg/L | 0.0016 | 0.04% |
| Tl 190.801† | 478.5 | 0.4966 mg/L | 0.00556 | 0.4966 mg/L | 0.00556 | 1.12% |
| V 292.402† | 107367.3 | 0.5322 mg/L | 0.00023 | 0.5322 mg/L | 0.00023 | 0.04% |
| Zn 213.857† | 54775.9 | 0.7082 mg/L | 0.00125 | 0.7082 mg/L | 0.00125 | 0.18% |

Matrix Recovery Check: BH61418-PDS2

| Analyte | Expected Conc. | Measured Conc. | Std. Dev. | Units | Recovery (%) |
|------------|----------------|----------------|-----------|-------|--------------|
| K 766.490 | 37.56 | 36.94 | 0.097 | mg/L | 97.5 |
| Li 670.784 | 0.5831 | 0.5668 | 0.002 | mg/L | 96.7 |
| Na 589.592 | 30.50 | 29.56 | 0.060 | mg/L | 96.2 |
| Ag 328.068 | 0.2503 | 0.2301 | 0.000 | mg/L | 91.9 |
| Al 237.313 | 58.97 | 59.35 | 0.006 | mg/L | 115.1 |
| As 188.979 | 0.5475 | 0.4770 | 0.003 | mg/L | 85.9 |
| B 182.528 | 0.5210 | 0.4456 | 0.013 | mg/L | 84.9 |
| Ba 233.527 | 0.7244 | 0.6870 | 0.001 | mg/L | 92.5 |
| Be 313.107 | 0.0514 | 0.0475 | 0.000 | mg/L | 92.2 |
| Ca 315.886 | 10.26 | 9.923 | 0.003 | mg/L | 93.2 |
| Cd 228.802 | 0.2508 | 0.2266 | 0.000 | mg/L | 90.3 |
| Co 228.616 | 0.5220 | 0.4797 | 0.001 | mg/L | 91.5 |
| Cr 267.716 | 0.5423 | 0.5099 | 0.000 | mg/L | 93.5 |
| Cu 324.752 | 0.6130 | 0.5370 | 0.000 | mg/L | 84.8 |
| Fe 234.349 | 68.85 | 68.11 | 0.023 | mg/L | 70.7 |
| Fe 238.204 | 66.52 | 65.64 | 0.014 | mg/L | 65.1 |
| Mg 279.077 | 15.66 | 15.16 | 0.008 | mg/L | 90.1 |
| Mn 257.610 | 2.206 | 2.157 | 0.000 | mg/L | 90.2 |
| Mo 202.031 | 0.5044 | 0.4756 | 0.002 | mg/L | 94.2 |
| Ni 231.604 | 0.5287 | 0.4842 | 0.001 | mg/L | 91.1 |
| P 214.914 | 10.38 | 9.623 | 0.010 | mg/L | 84.9 |
| Pb 220.353 | 0.5663 | 0.5112 | 0.001 | mg/L | 89.0 |
| Sb 206.836 | 0.4843 | 0.4185 | 0.005 | mg/L | 86.8 |
| Se 196.026 | 1.001 | 0.8657 | 0.004 | mg/L | 86.5 |
| Sn 189.927 | 0.5214 | 0.5095 | 0.004 | mg/L | 97.6 |
| Sr 407.771 | 0.0709 | 0.0676 | 0.000 | mg/L | 93.4 |
| Ti 337.279 | 3.784 | 3.735 | 0.002 | mg/L | 90.0 |
| Tl 190.801 | 0.5190 | 0.4966 | 0.006 | mg/L | 95.5 |
| V 292.402 | 0.5617 | 0.5322 | 0.000 | mg/L | 94.1 |
| Zn 213.857 | 0.7722 | 0.7082 | 0.001 | mg/L | 87.2 |

Sequence No.: 32

Sample ID: 0608236-01TCLPX10

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 34

Date Collected: 8/14/2006 7:38:12 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: 0608236-01TCLPX10

| Repl# | Analyte | Net | | Calib. Conc. Units | Sample | | Analysis Time |
|-------|-------------|-----------|---------------------|--------------------|-------------|-------------|---------------|
| | | Intensity | Corrected Intensity | | Conc. Units | Conc. Units | |
| 1 | K 766.490† | 7271.1 | 8009.5 | 4.148 mg/L | 4.148 mg/L | 19:39:56 | |
| 1 | Li 670.784† | 111.5 | 239.5 | 0.0129 mg/L | 0.0129 mg/L | 19:39:56 | |
| 1 | Na 589.592 | 1178496.9 | 1178180.2 | 151.0 mg/L | 151.0 mg/L | 19:39:51 | |
| 1 | Y 371.029 | 3111487.9 | 3111487.9 | 0.957 mg/L | | 19:40:16 | |
| 1 | Ag 328.068† | -1469.1 | 212.1 | 0.0018 mg/L | 0.0018 mg/L | 19:40:22 | |
| 1 | Al 237.313† | 607.0 | 821.3 | 0.1168 mg/L | 0.1168 mg/L | 19:40:22 | |
| 1 | As 188.979† | 5.8 | 1.7 | 0.0034 mg/L | 0.0034 mg/L | 19:40:42 | |
| 1 | B 182.528† | 18.8 | 22.9 | 0.0543 mg/L | 0.0543 mg/L | 19:40:42 | |
| 1 | Ba 233.527† | 834.1 | 964.7 | 0.0104 mg/L | 0.0104 mg/L | 19:40:22 | |
| 1 | Be 313.107† | -1016.0 | -2083.1 | 0.0003 mg/L | 0.0003 mg/L | 19:40:22 | |

| | | | | | | |
|---|-------------|----------|-----------|-------------|-------------|----------|
| 2 | As 188.979† | 299.6 | 300.7 | 0.4851 mg/L | 0.4851 mg/L | 20:04:16 |
| 2 | B 182.528† | 214.6 | 221.8 | 0.4782 mg/L | 0.4782 mg/L | 20:04:16 |
| 2 | Ba 233.527† | 43314.2 | 44201.6 | 0.4967 mg/L | 0.4967 mg/L | 20:03:55 |
| 2 | Be 313.107† | 189373.4 | 191822.1 | 0.0495 mg/L | 0.0495 mg/L | 20:03:55 |
| 2 | Ca 315.886† | 586098.8 | 596167.3 | 5.000 mg/L | 5.000 mg/L | 20:03:50 |
| 2 | Cd 228.802† | 9661.6 | 9691.0 | 0.2500 mg/L | 0.2500 mg/L | 20:04:16 |
| 2 | Co 228.616† | 16189.9 | 16554.7 | 0.5013 mg/L | 0.5013 mg/L | 20:04:16 |
| 2 | Cr 267.716† | 63463.5 | 62923.0 | 0.4941 mg/L | 0.4941 mg/L | 20:03:55 |
| 2 | Cu 324.752† | 117423.1 | 117437.5 | 0.5099 mg/L | 0.5099 mg/L | 20:03:55 |
| 2 | Fe 234.349† | 112530.2 | 112997.6 | 2.518 mg/L | 2.518 mg/L | 20:03:55 |
| 2 | Fe 238.204† | 235556.2 | 239042.3 | 2.523 mg/L | 2.523 mg/L | 20:03:55 |
| 2 | Mg 279.077† | 85398.6 | 86841.1 | 4.952 mg/L | 4.952 mg/L | 20:03:55 |
| 2 | Mn 257.610† | 369598.3 | 374767.7 | 0.5008 mg/L | 0.5008 mg/L | 20:03:55 |
| 2 | Mo 202.031† | 6394.5 | 6469.4 | 0.5001 mg/L | 0.5001 mg/L | 20:04:16 |
| 2 | Ni 231.604† | 22019.9 | 21741.0 | 0.4996 mg/L | 0.4996 mg/L | 20:03:55 |
| 2 | P 214.914† | 5457.6 | 5489.2 | 4.910 mg/L | 4.910 mg/L | 20:04:16 |
| 2 | Pb 220.353† | 3301.6 | 3487.7 | 0.4977 mg/L | 0.4977 mg/L | 20:04:16 |
| 2 | Sb 206.836† | 918.4 | 899.6 | 0.4775 mg/L | 0.4775 mg/L | 20:04:16 |
| 2 | Se 196.026† | 656.8 | 673.6 | 0.9822 mg/L | 0.9822 mg/L | 20:04:16 |
| 2 | Sn 189.927† | 1659.2 | 1628.2 | 0.4852 mg/L | 0.4852 mg/L | 20:04:16 |
| 2 | Sr 407.771† | 995846.7 | 1014394.9 | 0.0504 mg/L | 0.0504 mg/L | 20:03:50 |
| 2 | Ti 337.279† | 337668.6 | 345430.2 | 0.5015 mg/L | 0.5015 mg/L | 20:03:55 |
| 2 | Tl 190.801† | 537.3 | 566.3 | 0.5577 mg/L | 0.5577 mg/L | 20:04:16 |
| 2 | V 292.402† | 95909.2 | 98905.8 | 0.5028 mg/L | 0.5028 mg/L | 20:03:55 |
| 2 | Zn 213.857† | 38841.3 | 38825.7 | 0.5036 mg/L | 0.5036 mg/L | 20:03:55 |

Mean Data: CCV

| Analyte | Mean Corrected Intensity | Calib Conc. Units | Std.Dev. | Sample Conc. Units | Std.Dev. | RSD |
|--|--------------------------|-------------------|----------|--------------------|----------|-------|
| Y 371.029 | 3180178.2 | 0.979 mg/L | 0.0048 | | | 0.49% |
| Ag 328.068† | 64376.0 | 0.2529 mg/L | 0.00314 | 0.2529 mg/L | 0.00314 | 1.24% |
| QC value within limits for Ag 328.068 Recovery = 101.15% | | | | | | |
| Al 237.313† | 17230.7 | 2.502 mg/L | 0.0359 | 2.502 mg/L | 0.0359 | 1.44% |
| QC value within limits for Al 237.313 Recovery = 100.08% | | | | | | |
| As 188.979† | 302.5 | 0.4879 mg/L | 0.00404 | 0.4879 mg/L | 0.00404 | 0.83% |
| QC value within limits for As 188.979 Recovery = 97.59% | | | | | | |
| B 182.528† | 223.3 | 0.4813 mg/L | 0.00439 | 0.4813 mg/L | 0.00439 | 0.91% |
| QC value within limits for B 182.528 Recovery = 96.26% | | | | | | |
| Ba 233.527† | 44631.9 | 0.5015 mg/L | 0.00685 | 0.5015 mg/L | 0.00685 | 1.37% |
| QC value within limits for Ba 233.527 Recovery = 100.30% | | | | | | |
| Be 313.107† | 193770.1 | 0.0500 mg/L | 0.00071 | 0.0500 mg/L | 0.00071 | 1.43% |
| QC value within limits for Be 313.107 Recovery = 99.93% | | | | | | |
| Ca 315.886† | 595801.6 | 4.997 mg/L | 0.0043 | 4.997 mg/L | 0.0043 | 0.09% |
| QC value within limits for Ca 315.886 Recovery = 99.94% | | | | | | |
| Cd 228.802† | 9739.8 | 0.2512 mg/L | 0.00179 | 0.2512 mg/L | 0.00179 | 0.71% |
| QC value within limits for Cd 228.802 Recovery = 100.49% | | | | | | |
| Co 228.616† | 16660.9 | 0.5045 mg/L | 0.00458 | 0.5045 mg/L | 0.00458 | 0.91% |
| QC value within limits for Co 228.616 Recovery = 100.90% | | | | | | |
| Cr 267.716† | 63558.8 | 0.4992 mg/L | 0.00708 | 0.4992 mg/L | 0.00708 | 1.42% |
| QC value within limits for Cr 267.716 Recovery = 99.83% | | | | | | |
| Cu 324.752† | 118353.8 | 0.5139 mg/L | 0.00566 | 0.5139 mg/L | 0.00566 | 1.10% |
| QC value within limits for Cu 324.752 Recovery = 102.77% | | | | | | |
| Fe 234.349† | 114131.5 | 2.543 mg/L | 0.0359 | 2.543 mg/L | 0.0359 | 1.41% |
| QC value within limits for Fe 234.349 Recovery = 101.72% | | | | | | |
| Fe 238.204† | 241357.1 | 2.547 mg/L | 0.0347 | 2.547 mg/L | 0.0347 | 1.36% |
| QC value within limits for Fe 238.204 Recovery = 101.89% | | | | | | |
| K 766.490† | 55666.4 | 25.14 mg/L | 0.285 | 25.14 mg/L | 0.285 | 1.13% |
| QC value within limits for K 766.490 Recovery = 100.55% | | | | | | |
| Li 670.784† | 42684.1 | 0.5162 mg/L | 0.00555 | 0.5162 mg/L | 0.00555 | 1.08% |
| QC value within limits for Li 670.784 Recovery = 103.24% | | | | | | |
| Mg 279.077† | 87868.2 | 5.010 mg/L | 0.0831 | 5.010 mg/L | 0.0831 | 1.66% |
| QC value within limits for Mg 279.077 Recovery = 100.21% | | | | | | |
| Mn 257.610† | 378533.8 | 0.5059 mg/L | 0.00716 | 0.5059 mg/L | 0.00716 | 1.41% |
| QC value within limits for Mn 257.610 Recovery = 101.17% | | | | | | |
| Mo 202.031† | 6475.0 | 0.5005 mg/L | 0.00062 | 0.5005 mg/L | 0.00062 | 0.12% |
| QC value within limits for Mo 202.031 Recovery = 100.10% | | | | | | |
| Na 589.592 | 188559.4 | 24.32 mg/L | 0.139 | 24.32 mg/L | 0.139 | 0.57% |
| QC value within limits for Na 589.592 Recovery = 97.29% | | | | | | |
| Ni 231.604† | 21941.2 | 0.5042 mg/L | 0.00655 | 0.5042 mg/L | 0.00655 | 1.30% |
| QC value within limits for Ni 231.604 Recovery = 100.84% | | | | | | |
| P 214.914† | 5520.8 | 4.938 mg/L | 0.0399 | 4.938 mg/L | 0.0399 | 0.81% |

| | | | | | | | |
|---|----------|-----------|-------------|---------|-------------|---------|-------|
| Pb | 220.353† | 3510.7 | 0.5010 mg/L | 0.00464 | 0.5010 mg/L | 0.00464 | 0.93% |
| QC value within limits for P 214.914 Recovery = 98.75% | | | | | | | |
| Sb | 206.836† | 905.9 | 0.4808 mg/L | 0.00470 | 0.4808 mg/L | 0.00470 | 0.98% |
| QC value within limits for Pb 220.353 Recovery = 100.20% | | | | | | | |
| Se | 196.026† | 678.8 | 0.9897 mg/L | 0.01063 | 0.9897 mg/L | 0.01063 | 1.07% |
| QC value within limits for Sb 206.836 Recovery = 96.16% | | | | | | | |
| Sn | 189.927† | 1635.7 | 0.4875 mg/L | 0.00323 | 0.4875 mg/L | 0.00323 | 0.66% |
| QC value within limits for Se 196.026 Recovery = 98.97% | | | | | | | |
| Sr | 407.771† | 1015293.9 | 0.0504 mg/L | 0.00006 | 0.0504 mg/L | 0.00006 | 0.13% |
| QC value within limits for Sn 189.927 Recovery = 97.50% | | | | | | | |
| Ti | 337.279† | 348617.1 | 0.5062 mg/L | 0.00655 | 0.5062 mg/L | 0.00655 | 1.29% |
| QC value within limits for Sr 407.771 Recovery = 100.84% | | | | | | | |
| Tl | 190.801† | 572.9 | 0.5640 mg/L | 0.00896 | 0.5640 mg/L | 0.00896 | 1.59% |
| QC value within limits for Ti 337.279 Recovery = 101.23% | | | | | | | |
| V | 292.402† | 99864.5 | 0.5077 mg/L | 0.00679 | 0.5077 mg/L | 0.00679 | 1.34% |
| QC value greater than the upper limit for Tl 190.801 Recovery = 112.81% | | | | | | | |
| Zn | 213.857† | 39206.3 | 0.5085 mg/L | 0.00703 | 0.5085 mg/L | 0.00703 | 1.38% |
| QC value within limits for V 292.402 Recovery = 101.53% | | | | | | | |
| QC value within limits for Zn 213.857 Recovery = 101.70% | | | | | | | |
| QC Failed. Continue with analysis. | | | | | | | |

Sequence No.: 38
 Sample ID: ICCB
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 1
 Date Collected: 8/14/2006 8:05:54 PM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Replicate Data: ICCB

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. Units | Sample Conc. Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------------------|--------------------|---------------|
| 1 | K 766.490† | -381.7 | 32.0 | 0.6343 mg/L | 0.6343 mg/L | 20:07:27 |
| 1 | Li 670.784† | -105.9 | 16.6 | 0.0102 mg/L | 0.0102 mg/L | 20:07:27 |
| 1 | Na 589.592 | 340.5 | 23.9 | 0.1854 mg/L | 0.1854 mg/L | 20:07:27 |
| 1 | Y 371.029 | 3234146.6 | 3234146.6 | 0.995 mg/L | | 20:07:41 |
| 1 | Ag 328.068† | -1496.0 | 243.2 | 0.0012 mg/L | 0.0012 mg/L | 20:07:46 |
| 1 | Al 237.313† | -185.8 | 0.6 | -0.0006 mg/L | -0.0006 mg/L | 20:07:46 |
| 1 | As 188.979† | 5.8 | 1.4 | 0.0029 mg/L | 0.0029 mg/L | 20:08:06 |
| 1 | B 182.528† | 0.7 | 4.0 | 0.0139 mg/L | 0.0139 mg/L | 20:08:06 |
| 1 | Ba 233.527† | -84.7 | 8.4 | -0.0011 mg/L | -0.0011 mg/L | 20:08:06 |
| 1 | Be 313.107† | 1144.7 | 128.2 | -0.0001 mg/L | -0.0001 mg/L | 20:07:46 |
| 1 | Ca 315.886† | 767.1 | 97.9 | -0.0221 mg/L | -0.0221 mg/L | 20:07:46 |
| 1 | Cd 228.802† | 143.3 | -3.6 | -0.0012 mg/L | -0.0012 mg/L | 20:08:06 |
| 1 | Co 228.616† | -65.0 | 2.8 | -0.0036 mg/L | -0.0036 mg/L | 20:08:06 |
| 1 | Cr 267.716† | 1664.7 | -30.9 | -0.0016 mg/L | -0.0016 mg/L | 20:07:46 |
| 1 | Cu 324.752† | 4778.5 | 2663.8 | 0.0088 mg/L | 0.0088 mg/L | 20:07:46 |
| 1 | Fe 234.349† | 2981.5 | 1400.9 | 0.0205 mg/L | 0.0205 mg/L | 20:07:46 |
| 1 | Fe 238.204† | 3814.3 | 3001.6 | 0.0217 mg/L | 0.0217 mg/L | 20:07:46 |
| 1 | Mg 279.077† | 142.8 | 20.9 | -0.0173 mg/L | -0.0173 mg/L | 20:07:46 |
| 1 | Mn 257.610† | 927.3 | -672.5 | -0.0037 mg/L | -0.0037 mg/L | 20:07:46 |
| 1 | Mo 202.031† | 88.7 | 46.7 | 0.0026 mg/L | 0.0026 mg/L | 20:08:06 |
| 1 | Ni 231.604† | 707.0 | 27.9 | -0.0030 mg/L | -0.0030 mg/L | 20:07:46 |
| 1 | P 214.914† | 83.1 | 15.1 | 0.0278 mg/L | 0.0278 mg/L | 20:08:06 |
| 1 | Pb 220.353† | -125.8 | -0.8 | -0.0018 mg/L | -0.0018 mg/L | 20:08:06 |
| 1 | Sb 206.836† | 36.3 | 0.8 | -0.0007 mg/L | -0.0007 mg/L | 20:08:06 |
| 1 | Se 196.026† | -2.6 | 2.2 | 0.0038 mg/L | 0.0038 mg/L | 20:08:06 |
| 1 | Sn 189.927† | 48.5 | -12.7 | -0.0111 mg/L | -0.0111 mg/L | 20:08:06 |
| 1 | Sr 407.771† | -317.6 | -21.8 | -0.0002 mg/L | -0.0002 mg/L | 20:07:41 |
| 1 | Ti 337.279† | -1370.0 | 196.6 | -0.0005 mg/L | -0.0005 mg/L | 20:07:46 |
| 1 | Tl 190.801† | -11.7 | 7.4 | 0.0217 mg/L | 0.0217 mg/L | 20:08:06 |
| 1 | V 292.402† | -1133.9 | 99.6 | 0.0002 mg/L | 0.0002 mg/L | 20:07:46 |
| 1 | Zn 213.857† | 1670.6 | 951.0 | 0.0093 mg/L | 0.0093 mg/L | 20:08:06 |
| 2 | K 766.490† | -440.6 | -32.0 | 0.6061 mg/L | 0.6061 mg/L | 20:07:33 |
| 2 | Li 670.784† | -106.7 | 14.6 | 0.0102 mg/L | 0.0102 mg/L | 20:07:33 |
| 2 | Na 589.592 | 291.1 | -25.5 | 0.1791 mg/L | 0.1791 mg/L | 20:07:33 |
| 2 | Y 371.029 | 3199011.9 | 3199011.9 | 0.984 mg/L | | 20:08:12 |
| 2 | Ag 328.068† | -1630.6 | 89.9 | 0.0006 mg/L | 0.0006 mg/L | 20:08:18 |
| 2 | Al 237.313† | -176.5 | 8.1 | 0.0005 mg/L | 0.0005 mg/L | 20:08:18 |
| 2 | As 188.979† | 3.7 | -0.6 | -0.0004 mg/L | -0.0004 mg/L | 20:08:38 |
| 2 | B 182.528† | 0.8 | 4.0 | 0.0140 mg/L | 0.0140 mg/L | 20:08:38 |
| 2 | Ba 233.527† | -78.7 | 13.6 | -0.0010 mg/L | -0.0010 mg/L | 20:08:38 |

| | | | | | | |
|---|-------------|---------|--------|--------------|--------------|----------|
| 2 | Be 313.107† | 1101.8 | 97.2 | -0.0001 mg/L | -0.0001 mg/L | 20:08:18 |
| 2 | Ca 315.886† | 697.9 | 36.1 | -0.0226 mg/L | -0.0226 mg/L | 20:08:18 |
| 2 | Cd 228.802† | 135.3 | -10.1 | -0.0013 mg/L | -0.0013 mg/L | 20:08:38 |
| 2 | Co 228.616† | -65.2 | 1.9 | -0.0037 mg/L | -0.0037 mg/L | 20:08:38 |
| 2 | Cr 267.716† | 1676.3 | -0.8 | -0.0014 mg/L | -0.0014 mg/L | 20:08:18 |
| 2 | Cu 324.752† | 4697.6 | 2634.3 | 0.0087 mg/L | 0.0087 mg/L | 20:08:18 |
| 2 | Fe 234.349† | 2883.6 | 1334.4 | 0.0190 mg/L | 0.0190 mg/L | 20:08:18 |
| 2 | Fe 238.204† | 3652.7 | 2879.5 | 0.0204 mg/L | 0.0204 mg/L | 20:08:18 |
| 2 | Mg 279.077† | 210.7 | 91.4 | -0.0133 mg/L | -0.0133 mg/L | 20:08:18 |
| 2 | Mn 257.610† | 886.6 | -703.6 | -0.0037 mg/L | -0.0037 mg/L | 20:08:18 |
| 2 | Mo 202.031† | 68.9 | 27.6 | 0.0011 mg/L | 0.0011 mg/L | 20:08:38 |
| 2 | Ni 231.604† | 651.7 | -20.4 | -0.0041 mg/L | -0.0041 mg/L | 20:08:18 |
| 2 | P 214.914† | 74.7 | 7.4 | 0.0209 mg/L | 0.0209 mg/L | 20:08:38 |
| 2 | Pb 220.353† | -106.1 | 17.8 | 0.0008 mg/L | 0.0008 mg/L | 20:08:38 |
| 2 | Sb 206.836† | 27.5 | -7.6 | -0.0053 mg/L | -0.0053 mg/L | 20:08:38 |
| 2 | Se 196.026† | -6.8 | -2.1 | -0.0024 mg/L | -0.0024 mg/L | 20:08:38 |
| 2 | Sn 189.927† | 43.5 | -17.2 | -0.0125 mg/L | -0.0125 mg/L | 20:08:38 |
| 2 | Sr 407.771† | -268.5 | 24.5 | -0.0002 mg/L | -0.0002 mg/L | 20:08:12 |
| 2 | Ti 337.279† | -1354.8 | 197.0 | -0.0005 mg/L | -0.0005 mg/L | 20:08:18 |
| 2 | Tl 190.801† | -17.7 | 1.2 | 0.0157 mg/L | 0.0157 mg/L | 20:08:38 |
| 2 | V 292.402† | -1193.8 | 26.3 | -0.0001 mg/L | -0.0001 mg/L | 20:08:18 |
| 2 | Zn 213.857† | 1671.1 | 970.0 | 0.0096 mg/L | 0.0096 mg/L | 20:08:38 |

Mean Data: ICCB

| Analyte | Mean Corrected Intensity | Conc. Units | Calib | Std.Dev. | Sample Conc. Units | Std.Dev. | RSD |
|--|--------------------------|--------------|-------|----------|--------------------|----------|---------|
| Y 371.029 | 3216579.3 | 0.990 mg/L | | 0.0076 | | | 0.77% |
| Ag 328.068† | 166.5 | 0.0009 mg/L | | 0.00043 | 0.0009 mg/L | 0.00043 | 49.45% |
| QC value within limits for Ag 328.068 Recovery = Not calculated | | | | | | | |
| Al 237.313† | 4.4 | 0.0000 mg/L | | 0.00077 | 0.0000 mg/L | 0.00077 | >999.9% |
| QC value within limits for Al 237.313 Recovery = Not calculated | | | | | | | |
| As 188.979† | 0.4 | 0.0012 mg/L | | 0.00232 | 0.0012 mg/L | 0.00232 | 187.80% |
| QC value within limits for As 188.979 Recovery = Not calculated | | | | | | | |
| B 182.528† | 4.0 | 0.0140 mg/L | | 0.00009 | 0.0140 mg/L | 0.00009 | 0.65% |
| QC value within limits for B 182.528 Recovery = Not calculated | | | | | | | |
| Ba 233.527† | 11.0 | -0.0011 mg/L | | 0.00004 | -0.0011 mg/L | 0.00004 | 3.84% |
| QC value within limits for Ba 233.527 Recovery = Not calculated | | | | | | | |
| Be 313.107† | 112.7 | -0.0001 mg/L | | 0.00001 | -0.0001 mg/L | 0.00001 | 7.10% |
| QC value within limits for Be 313.107 Recovery = Not calculated | | | | | | | |
| Ca 315.886† | 67.0 | -0.0223 mg/L | | 0.00037 | -0.0223 mg/L | 0.00037 | 1.65% |
| QC value less than the lower limit for Ca 315.886 Recovery = Not calculated | | | | | | | |
| Cd 228.802† | -6.9 | -0.0013 mg/L | | 0.00011 | -0.0013 mg/L | 0.00011 | 8.45% |
| QC value within limits for Cd 228.802 Recovery = Not calculated | | | | | | | |
| Co 228.616† | 2.3 | -0.0036 mg/L | | 0.00002 | -0.0036 mg/L | 0.00002 | 0.51% |
| QC value less than the lower limit for Co 228.616 Recovery = Not calculated | | | | | | | |
| Cr 267.716† | -15.8 | -0.0015 mg/L | | 0.00017 | -0.0015 mg/L | 0.00017 | 11.14% |
| QC value within limits for Cr 267.716 Recovery = Not calculated | | | | | | | |
| Cu 324.752† | 2649.0 | 0.0088 mg/L | | 0.00009 | 0.0088 mg/L | 0.00009 | 1.04% |
| QC value greater than the upper limit for Cu 324.752 Recovery = Not calculated | | | | | | | |
| Fe 234.349† | 1367.6 | 0.0198 mg/L | | 0.00105 | 0.0198 mg/L | 0.00105 | 5.29% |
| QC value within limits for Fe 234.349 Recovery = Not calculated | | | | | | | |
| Fe 238.204† | 2940.6 | 0.0211 mg/L | | 0.00091 | 0.0211 mg/L | 0.00091 | 4.34% |
| QC value within limits for Fe 238.204 Recovery = Not calculated | | | | | | | |
| K 766.490† | 0.0 | 0.6202 mg/L | | 0.01994 | 0.6202 mg/L | 0.01994 | 3.21% |
| QC value greater than the upper limit for K 766.490 Recovery = Not calculated | | | | | | | |
| Li 670.784† | 15.6 | 0.0102 mg/L | | 0.00002 | 0.0102 mg/L | 0.00002 | 0.17% |
| QC value within limits for Li 670.784 Recovery = Not calculated | | | | | | | |
| Mg 279.077† | 56.1 | -0.0153 mg/L | | 0.00285 | -0.0153 mg/L | 0.00285 | 18.63% |
| QC value less than the lower limit for Mg 279.077 Recovery = Not calculated | | | | | | | |
| Mn 257.610† | -688.0 | -0.0037 mg/L | | 0.00003 | -0.0037 mg/L | 0.00003 | 0.80% |
| QC value within limits for Mn 257.610 Recovery = Not calculated | | | | | | | |
| Mo 202.031† | 37.1 | 0.0019 mg/L | | 0.00105 | 0.0019 mg/L | 0.00105 | 55.82% |
| QC value within limits for Mo 202.031 Recovery = Not calculated | | | | | | | |
| Na 589.592 | -0.8 | 0.1823 mg/L | | 0.00447 | 0.1823 mg/L | 0.00447 | 2.45% |
| QC value within limits for Na 589.592 Recovery = Not calculated | | | | | | | |
| Ni 231.604† | 3.8 | -0.0035 mg/L | | 0.00079 | -0.0035 mg/L | 0.00079 | 22.47% |
| QC value less than the lower limit for Ni 231.604 Recovery = Not calculated | | | | | | | |
| P 214.914† | 11.2 | 0.0243 mg/L | | 0.00482 | 0.0243 mg/L | 0.00482 | 19.79% |
| QC value within limits for P 214.914 Recovery = Not calculated | | | | | | | |
| Pb 220.353† | 8.5 | -0.0005 mg/L | | 0.00188 | -0.0005 mg/L | 0.00188 | 368.39% |
| QC value within limits for Pb 220.353 Recovery = Not calculated | | | | | | | |

| | | | | | | |
|--|-------|--------------|---------|--------------|---------|---------|
| Sb 206.836† | -3.4 | -0.0030 mg/L | 0.00326 | -0.0030 mg/L | 0.00326 | 108.96% |
| QC value within limits for Sb 206.836 Recovery = Not calculated | | | | | | |
| Se 196.026† | 0.1 | 0.0007 mg/L | 0.00441 | 0.0007 mg/L | 0.00441 | 606.52% |
| QC value within limits for Se 196.026 Recovery = Not calculated | | | | | | |
| Sn 189.927† | -15.0 | -0.0118 mg/L | 0.00096 | -0.0118 mg/L | 0.00096 | 8.12% |
| QC value within limits for Sn 189.927 Recovery = Not calculated | | | | | | |
| Sr 407.771† | 1.4 | -0.0002 mg/L | 0.00000 | -0.0002 mg/L | 0.00000 | 0.80% |
| QC value within limits for Sr 407.771 Recovery = Not calculated | | | | | | |
| Ti 337.279† | 196.8 | -0.0005 mg/L | 0.00000 | -0.0005 mg/L | 0.00000 | 0.08% |
| QC value within limits for Ti 337.279 Recovery = Not calculated | | | | | | |
| Tl 190.801† | 4.3 | 0.0187 mg/L | 0.00422 | 0.0187 mg/L | 0.00422 | 22.58% |
| QC value within limits for Tl 190.801 Recovery = Not calculated | | | | | | |
| V 292.402† | 62.9 | 0.0000 mg/L | 0.00028 | 0.0000 mg/L | 0.00028 | 564.81% |
| QC value within limits for V 292.402 Recovery = Not calculated | | | | | | |
| Zn 213.857† | 960.5 | 0.0095 mg/L | 0.00018 | 0.0095 mg/L | 0.00018 | 1.92% |
| QC value greater than the upper limit for Zn 213.857 Recovery = Not calculated | | | | | | |
| QC Failed. Continue with analysis. | | | | | | |

Sequence No.: 39
 Sample ID: BH61201-SD2X25
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 39
 Date Collected: 8/14/2006 8:10:15 PM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Replicate Data: BH61201-SD2X25

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. Units | Sample Conc. Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------------------|--------------------|---------------|
| 1 | K 766.490† | 1729.8 | 2158.6 | 1.571 mg/L | 1.571 mg/L | 20:11:51 |
| 1 | Li 670.784† | -8.2 | 114.7 | 0.0114 mg/L | 0.0114 mg/L | 20:11:51 |
| 1 | Na 589.592 | 59831.6 | 59515.0 | 7.802 mg/L | 7.802 mg/L | 20:11:51 |
| 1 | Y 371.029 | 3224802.5 | 3224802.5 | 0.992 mg/L | 0.992 mg/L | 20:12:05 |
| 1 | Ag 328.068† | -1719.8 | 13.3 | 0.0004 mg/L | 0.0004 mg/L | 20:12:11 |
| 1 | Al 237.313† | 21278.9 | 21630.0 | 3.138 mg/L | 3.138 mg/L | 20:12:11 |
| 1 | As 188.979† | 6.2 | 1.8 | 0.0034 mg/L | 0.0034 mg/L | 20:12:31 |
| 1 | B 182.528† | 4.4 | 7.7 | 0.0217 mg/L | 0.0217 mg/L | 20:12:31 |
| 1 | Ba 233.527† | 4258.0 | 4384.3 | 0.0482 mg/L | 0.0482 mg/L | 20:12:31 |
| 1 | Be 313.107† | 1881.5 | 874.0 | 0.0000 mg/L | 0.0000 mg/L | 20:12:11 |
| 1 | Ca 315.886† | 651000.7 | 655337.3 | 5.496 mg/L | 5.496 mg/L | 20:12:05 |
| 1 | Cd 228.802† | 145.1 | -1.4 | -0.0011 mg/L | -0.0011 mg/L | 20:12:31 |
| 1 | Co 228.616† | 9.0 | 77.1 | -0.0017 mg/L | -0.0017 mg/L | 20:12:31 |
| 1 | Cr 267.716† | 2097.8 | 410.4 | 0.0018 mg/L | 0.0018 mg/L | 20:12:11 |
| 1 | Cu 324.752† | 6527.0 | 4439.7 | 0.0173 mg/L | 0.0173 mg/L | 20:12:11 |
| 1 | Fe 234.349† | 136064.0 | 135516.1 | 3.028 mg/L | 3.028 mg/L | 20:12:11 |
| 1 | Fe 238.204† | 287465.8 | 288846.9 | 3.050 mg/L | 3.050 mg/L | 20:12:05 |
| 1 | Mg 279.077† | 26600.8 | 26682.9 | 1.509 mg/L | 1.509 mg/L | 20:12:11 |
| 1 | Mn 257.610† | 210814.9 | 210833.0 | 0.2805 mg/L | 0.2805 mg/L | 20:12:05 |
| 1 | Mo 202.031† | 71.1 | 29.3 | 0.0013 mg/L | 0.0013 mg/L | 20:12:31 |
| 1 | Ni 231.604† | 831.6 | 155.5 | 0.0000 mg/L | 0.0000 mg/L | 20:12:31 |
| 1 | P 214.914† | 396.8 | 331.3 | 0.3098 mg/L | 0.3098 mg/L | 20:12:31 |
| 1 | Pb 220.353† | -47.3 | 77.9 | 0.0099 mg/L | 0.0099 mg/L | 20:12:31 |
| 1 | Sb 206.836† | 21.7 | -13.8 | -0.0089 mg/L | -0.0089 mg/L | 20:12:31 |
| 1 | Se 196.026† | -6.5 | -1.8 | -0.0019 mg/L | -0.0019 mg/L | 20:12:31 |
| 1 | Sn 189.927† | 74.9 | 14.1 | -0.0028 mg/L | -0.0028 mg/L | 20:12:31 |
| 1 | Sr 407.771† | 577691.2 | 582433.9 | 0.0288 mg/L | 0.0288 mg/L | 20:12:05 |
| 1 | Ti 337.279† | 123003.4 | 125523.1 | 0.1817 mg/L | 0.1817 mg/L | 20:12:11 |
| 1 | Tl 190.801† | -10.4 | 8.7 | 0.0274 mg/L | 0.0274 mg/L | 20:12:31 |
| 1 | V 292.402† | 0.2 | 1239.2 | 0.0053 mg/L | 0.0053 mg/L | 20:12:11 |
| 1 | Zn 213.857† | 3325.5 | 2623.6 | 0.0310 mg/L | 0.0310 mg/L | 20:12:31 |
| 2 | K 766.490† | 1689.5 | 2130.0 | 1.558 mg/L | 1.558 mg/L | 20:11:56 |
| 2 | Li 670.784† | 0.2 | 123.2 | 0.0115 mg/L | 0.0115 mg/L | 20:11:56 |
| 2 | Na 589.592 | 59058.7 | 58742.0 | 7.703 mg/L | 7.703 mg/L | 20:11:56 |
| 2 | Y 371.029 | 3202274.9 | 3202274.9 | 0.985 mg/L | 0.985 mg/L | 20:12:38 |
| 2 | Ag 328.068† | -1662.1 | 59.7 | 0.0006 mg/L | 0.0006 mg/L | 20:12:43 |
| 2 | Al 237.313† | 21083.1 | 21582.2 | 3.131 mg/L | 3.131 mg/L | 20:12:43 |
| 2 | As 188.979† | 4.4 | 0.0 | 0.0005 mg/L | 0.0005 mg/L | 20:13:03 |
| 2 | B 182.528† | -0.2 | 3.0 | 0.0119 mg/L | 0.0119 mg/L | 20:13:03 |
| 2 | Ba 233.527† | 4295.6 | 4452.6 | 0.0490 mg/L | 0.0490 mg/L | 20:13:03 |
| 2 | Be 313.107† | 1942.7 | 949.5 | 0.0000 mg/L | 0.0000 mg/L | 20:12:43 |
| 2 | Ca 315.886† | 645451.4 | 654320.9 | 5.487 mg/L | 5.487 mg/L | 20:12:38 |
| 2 | Cd 228.802† | 138.9 | -6.7 | -0.0012 mg/L | -0.0012 mg/L | 20:13:03 |

| | | | | | | |
|--|-----------|--------------|---------|--------------|---------|---------|
| Y 371.029 | 3228540.9 | 0.994 mg/L | 0.0051 | | | 0.52% |
| Ag 328.068† | 206.5 | 0.0010 mg/L | 0.00025 | 0.0010 mg/L | 0.00025 | 24.80% |
| QC value within limits for Ag 328.068 Recovery = Not calculated | | | | | | |
| Al 237.313† | 0.6 | -0.0006 mg/L | 0.00196 | -0.0006 mg/L | 0.00196 | 304.57% |
| QC value within limits for Al 237.313 Recovery = Not calculated | | | | | | |
| As 188.979† | -0.7 | -0.0004 mg/L | 0.00156 | -0.0004 mg/L | 0.00156 | 371.21% |
| QC value within limits for As 188.979 Recovery = Not calculated | | | | | | |
| B 182.528† | 3.7 | 0.0133 mg/L | 0.00370 | 0.0133 mg/L | 0.00370 | 27.88% |
| QC value within limits for B 182.528 Recovery = Not calculated | | | | | | |
| Ba 233.527† | 14.3 | -0.0010 mg/L | 0.00001 | -0.0010 mg/L | 0.00001 | 0.80% |
| QC value within limits for Ba 233.527 Recovery = Not calculated | | | | | | |
| Be 313.107† | 102.8 | -0.0001 mg/L | 0.00002 | -0.0001 mg/L | 0.00002 | 27.60% |
| QC value within limits for Be 313.107 Recovery = Not calculated | | | | | | |
| Ca 315.886† | 194.3 | -0.0212 mg/L | 0.00062 | -0.0212 mg/L | 0.00062 | 2.92% |
| QC value less than the lower limit for Ca 315.886 Recovery = Not calculated | | | | | | |
| Cd 228.802† | 0.1 | -0.0011 mg/L | 0.00002 | -0.0011 mg/L | 0.00002 | 2.20% |
| QC value within limits for Cd 228.802 Recovery = Not calculated | | | | | | |
| Co 228.616† | 9.2 | -0.0034 mg/L | 0.00008 | -0.0034 mg/L | 0.00008 | 2.47% |
| QC value less than the lower limit for Co 228.616 Recovery = Not calculated | | | | | | |
| Cr 267.716† | -20.2 | -0.0015 mg/L | 0.00025 | -0.0015 mg/L | 0.00025 | 15.97% |
| QC value within limits for Cr 267.716 Recovery = Not calculated | | | | | | |
| Cu 324.752† | 5057.4 | 0.0193 mg/L | 0.00085 | 0.0193 mg/L | 0.00085 | 4.40% |
| QC value greater than the upper limit for Cu 324.752 Recovery = Not calculated | | | | | | |
| Fe 234.349† | 2199.1 | 0.0384 mg/L | 0.00154 | 0.0384 mg/L | 0.00154 | 4.01% |
| QC value greater than the upper limit for Fe 234.349 Recovery = Not calculated | | | | | | |
| Fe 238.204† | 4725.8 | 0.0400 mg/L | 0.00188 | 0.0400 mg/L | 0.00188 | 4.70% |
| QC value greater than the upper limit for Fe 238.204 Recovery = Not calculated | | | | | | |
| K 766.490† | -5.2 | 0.6180 mg/L | 0.02023 | 0.6180 mg/L | 0.02023 | 3.27% |
| QC value greater than the upper limit for K 766.490 Recovery = Not calculated | | | | | | |
| Li 670.784† | 3.4 | 0.0101 mg/L | 0.00025 | 0.0101 mg/L | 0.00025 | 2.53% |
| QC value within limits for Li 670.784 Recovery = Not calculated | | | | | | |
| Mg 279.077† | 188.7 | -0.0077 mg/L | 0.00028 | -0.0077 mg/L | 0.00028 | 3.67% |
| QC value within limits for Mg 279.077 Recovery = Not calculated | | | | | | |
| Mn 257.610† | -447.1 | -0.0034 mg/L | 0.00004 | -0.0034 mg/L | 0.00004 | 1.19% |
| QC value within limits for Mn 257.610 Recovery = Not calculated | | | | | | |
| Mo 202.031† | 31.4 | 0.0014 mg/L | 0.00104 | 0.0014 mg/L | 0.00104 | 72.94% |
| QC value within limits for Mo 202.031 Recovery = Not calculated | | | | | | |
| Na 589.592 | -20.4 | 0.1797 mg/L | 0.00272 | 0.1797 mg/L | 0.00272 | 1.51% |
| QC value within limits for Na 589.592 Recovery = Not calculated | | | | | | |
| Ni 231.604† | 85.6 | -0.0016 mg/L | 0.00021 | -0.0016 mg/L | 0.00021 | 12.89% |
| QC value within limits for Ni 231.604 Recovery = Not calculated | | | | | | |
| P 214.914† | 10.3 | 0.0235 mg/L | 0.00591 | 0.0235 mg/L | 0.00591 | 25.12% |
| QC value within limits for P 214.914 Recovery = Not calculated | | | | | | |
| Pb 220.353† | 47.2 | 0.0050 mg/L | 0.00039 | 0.0050 mg/L | 0.00039 | 7.83% |
| QC value within limits for Pb 220.353 Recovery = Not calculated | | | | | | |
| Sb 206.836† | -4.4 | -0.0036 mg/L | 0.00184 | -0.0036 mg/L | 0.00184 | 51.76% |
| QC value within limits for Sb 206.836 Recovery = Not calculated | | | | | | |
| Se 196.026† | -0.4 | 0.0001 mg/L | 0.00077 | 0.0001 mg/L | 0.00077 | >999.9% |
| QC value within limits for Se 196.026 Recovery = Not calculated | | | | | | |
| Sn 189.927† | 1.6 | -0.0068 mg/L | 0.00132 | -0.0068 mg/L | 0.00132 | 19.27% |
| QC value within limits for Sn 189.927 Recovery = Not calculated | | | | | | |
| Sr 407.771† | 43.3 | -0.0002 mg/L | 0.00000 | -0.0002 mg/L | 0.00000 | 0.29% |
| QC value within limits for Sr 407.771 Recovery = Not calculated | | | | | | |
| Ti 337.279† | 227.6 | -0.0005 mg/L | 0.00008 | -0.0005 mg/L | 0.00008 | 16.94% |
| QC value within limits for Ti 337.279 Recovery = Not calculated | | | | | | |
| Tl 190.801† | 3.6 | 0.0180 mg/L | 0.00690 | 0.0180 mg/L | 0.00690 | 38.40% |
| QC value within limits for Tl 190.801 Recovery = Not calculated | | | | | | |
| V 292.402† | 73.7 | 0.0001 mg/L | 0.00035 | 0.0001 mg/L | 0.00035 | 371.54% |
| QC value within limits for V 292.402 Recovery = Not calculated | | | | | | |
| Zn 213.857† | 3123.2 | 0.0378 mg/L | 0.00126 | 0.0378 mg/L | 0.00126 | 3.33% |
| QC value greater than the upper limit for Zn 213.857 Recovery = Not calculated | | | | | | |
| QC Failed. Continue with analysis. | | | | | | |

Sequence No.: 46
 Sample ID: ICSA
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 160
 Date Collected: 8/14/2006 8:42:52 PM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

 Replicate Data: ICSA

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. Units | Sample Conc. Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------------------|--------------------|---------------|
| 1 | K 766.490† | -293.9 | 89.8 | 0.6598 mg/L | 0.6598 mg/L | 20:44:28 |
| 1 | Li 670.784† | -99.3 | 12.9 | 0.0102 mg/L | 0.0102 mg/L | 20:44:28 |
| 1 | Na 589.592 | 465.8 | 149.2 | 0.2015 mg/L | 0.2015 mg/L | 20:44:28 |
| 1 | Y 371.029 | 2931067.1 | 2931067.1 | 0.902 mg/L | | 20:44:53 |
| 1 | Ag 328.068† | -2076.1 | -555.3 | 0.0019 mg/L | 0.0019 mg/L | 20:44:59 |
| 1 | Al 237.313† | 1631737.4 | 1809263.3 | 263.3 mg/L | 263.3 mg/L | 20:44:53 |
| 1 | As 188.979† | 3.7 | -0.3 | 0.0002 mg/L | 0.0002 mg/L | 20:45:19 |
| 1 | B 182.528† | 9.4 | 13.6 | 0.0345 mg/L | 0.0345 mg/L | 20:45:19 |
| 1 | Ba 233.527† | 152.0 | 262.1 | 0.0018 mg/L | 0.0018 mg/L | 20:45:19 |
| 1 | Be 313.107† | -765.0 | -1870.2 | 0.0000 mg/L | 0.0000 mg/L | 20:44:59 |
| 1 | Ca 315.886† | 26571537.2 | 29458679.9 | 248.1 mg/L | 248.1 mg/L | 20:44:46 |
| 1 | Cd 228.802† | 124.5 | -9.6 | -0.0006 mg/L | -0.0006 mg/L | 20:45:19 |
| 1 | Co 228.616† | -14.2 | 52.3 | -0.0021 mg/L | -0.0021 mg/L | 20:45:19 |
| 1 | Cr 267.716† | 1087.4 | -498.1 | 0.0004 mg/L | 0.0004 mg/L | 20:45:19 |
| 1 | Cu 324.752† | 4986.1 | 3390.4 | 0.0291 mg/L | 0.0291 mg/L | 20:44:59 |
| 1 | Fe 234.349† | 3835866.4 | 4251156.4 | 95.33 mg/L | 95.33 mg/L | 20:44:53 |
| 1 | Fe 238.204† | 7709942.6 | 8547034.2 | 90.53 mg/L | 90.53 mg/L | 20:44:53 |
| 1 | Mg 279.077† | 3923517.0 | 4349805.3 | 248.7 mg/L | 248.7 mg/L | 20:44:53 |
| 1 | Mn 257.610† | 4802.5 | 3720.3 | 0.0022 mg/L | 0.0022 mg/L | 20:44:59 |
| 1 | Mo 202.031† | 220.0 | 201.6 | 0.0146 mg/L | 0.0146 mg/L | 20:45:19 |
| 1 | Ni 231.604† | 791.0 | 194.5 | 0.0009 mg/L | 0.0009 mg/L | 20:45:19 |
| 1 | P 214.914† | -55.0 | -129.4 | -0.1011 mg/L | -0.1011 mg/L | 20:45:19 |
| 1 | Pb 220.353† | -367.1 | -281.4 | 0.0061 mg/L | 0.0061 mg/L | 20:45:19 |
| 1 | Sb 206.836† | 14.7 | -19.3 | -0.0116 mg/L | -0.0116 mg/L | 20:45:19 |
| 1 | Se 196.026† | -2.4 | 2.1 | 0.0037 mg/L | 0.0037 mg/L | 20:45:19 |
| 1 | Sn 189.927† | 278.7 | 247.6 | 0.0713 mg/L | 0.0713 mg/L | 20:45:19 |
| 1 | Sr 407.771† | 14395.8 | 16257.7 | 0.0006 mg/L | 0.0006 mg/L | 20:44:59 |
| 1 | Ti 337.279† | 2356.3 | 4185.6 | 0.0053 mg/L | 0.0053 mg/L | 20:44:59 |
| 1 | Tl 190.801† | 50.9 | 75.6 | 0.0868 mg/L | 0.0868 mg/L | 20:45:19 |
| 1 | V 292.402† | 1189.6 | 2557.8 | 0.0004 mg/L | 0.0004 mg/L | 20:44:59 |
| 1 | Zn 213.857† | 5974.2 | 5896.0 | 0.0656 mg/L | 0.0656 mg/L | 20:45:19 |
| 2 | K 766.490† | -379.1 | -8.9 | 0.6163 mg/L | 0.6163 mg/L | 20:44:34 |
| 2 | Li 670.784† | -47.6 | 69.7 | 0.0108 mg/L | 0.0108 mg/L | 20:44:34 |
| 2 | Na 589.592 | 534.1 | 217.4 | 0.2102 mg/L | 0.2102 mg/L | 20:44:34 |
| 2 | Y 371.029 | 2901840.4 | 2901840.4 | 0.893 mg/L | | 20:45:36 |
| 2 | Ag 328.068† | -2226.7 | -747.3 | 0.0011 mg/L | 0.0011 mg/L | 20:45:41 |
| 2 | Al 237.313† | 1612442.3 | 1805876.3 | 262.8 mg/L | 262.8 mg/L | 20:45:36 |
| 2 | As 188.979† | -7.8 | -13.2 | -0.0207 mg/L | -0.0207 mg/L | 20:46:02 |
| 2 | B 182.528† | 8.2 | 12.4 | 0.0319 mg/L | 0.0319 mg/L | 20:46:02 |
| 2 | Ba 233.527† | 160.4 | 273.2 | 0.0019 mg/L | 0.0019 mg/L | 20:46:02 |
| 2 | Be 313.107† | -772.9 | -1887.5 | 0.0000 mg/L | 0.0000 mg/L | 20:45:41 |
| 2 | Ca 315.886† | 26591240.7 | 29777452.6 | 250.7 mg/L | 250.7 mg/L | 20:45:28 |
| 2 | Cd 228.802† | 129.2 | -2.9 | -0.0004 mg/L | -0.0004 mg/L | 20:46:02 |
| 2 | Co 228.616† | -42.1 | 20.9 | -0.0031 mg/L | -0.0031 mg/L | 20:46:02 |
| 2 | Cr 267.716† | 1059.7 | -516.9 | 0.0002 mg/L | 0.0002 mg/L | 20:46:02 |
| 2 | Cu 324.752† | 4935.9 | 3389.9 | 0.0291 mg/L | 0.0291 mg/L | 20:45:41 |
| 2 | Fe 234.349† | 3790229.4 | 4242882.8 | 95.14 mg/L | 95.14 mg/L | 20:45:36 |
| 2 | Fe 238.204† | 7619793.5 | 8532173.2 | 90.37 mg/L | 90.37 mg/L | 20:45:36 |
| 2 | Mg 279.077† | 3873540.8 | 4337651.1 | 248.0 mg/L | 248.0 mg/L | 20:45:36 |
| 2 | Mn 257.610† | 4817.5 | 3790.7 | 0.0023 mg/L | 0.0023 mg/L | 20:45:41 |
| 2 | Mo 202.031† | 214.4 | 197.7 | 0.0143 mg/L | 0.0143 mg/L | 20:46:02 |
| 2 | Ni 231.604† | 801.8 | 215.5 | 0.0014 mg/L | 0.0014 mg/L | 20:46:02 |
| 2 | P 214.914† | -71.6 | -148.7 | -0.1183 mg/L | -0.1183 mg/L | 20:46:02 |
| 2 | Pb 220.353† | -387.5 | -308.4 | 0.0021 mg/L | 0.0021 mg/L | 20:46:02 |
| 2 | Sb 206.836† | 23.7 | -9.0 | -0.0060 mg/L | -0.0060 mg/L | 20:46:02 |
| 2 | Se 196.026† | 6.3 | 11.8 | 0.0179 mg/L | 0.0179 mg/L | 20:46:02 |
| 2 | Sn 189.927† | 280.1 | 252.3 | 0.0727 mg/L | 0.0727 mg/L | 20:46:02 |
| 2 | Sr 407.771† | 14396.9 | 16419.6 | 0.0006 mg/L | 0.0006 mg/L | 20:45:41 |
| 2 | Ti 337.279† | 2293.8 | 4141.9 | 0.0052 mg/L | 0.0052 mg/L | 20:45:41 |
| 2 | Tl 190.801† | 50.8 | 76.0 | 0.0872 mg/L | 0.0872 mg/L | 20:46:02 |
| 2 | V 292.402† | 1182.9 | 2563.6 | 0.0004 mg/L | 0.0004 mg/L | 20:45:41 |
| 2 | Zn 213.857† | 6022.9 | 6017.2 | 0.0672 mg/L | 0.0672 mg/L | 20:46:02 |

Mean Data: ICSA

| Analyte | Mean Corrected Intensity | Calib Conc. Units | Std.Dev. | Sample Conc. Units | Std.Dev. | RSD |
|-------------|--------------------------|-------------------|----------|--------------------|----------|--------|
| Y 371.029 | 2916453.8 | 0.897 mg/L | 0.0064 | | | 0.71% |
| Ag 328.068† | -651.3 | 0.0015 mg/L | 0.00054 | 0.0015 mg/L | 0.00054 | 36.46% |

QC value within limits for Ag 328.068 Recovery = Not calculated

| | | | | | | |
|--|------------|--------------|---------|--------------|---------|---------|
| Al 237.313† | 1807569.8 | 263.1 mg/L | 0.35 | 263.1 mg/L | 0.35 | 0.13% |
| QC value within limits for Al 237.313 Recovery = 105.23% | | | | | | |
| As 188.979† | -6.7 | -0.0102 mg/L | 0.01475 | -0.0102 mg/L | 0.01475 | 144.28% |
| QC value within limits for As 188.979 Recovery = Not calculated | | | | | | |
| B 182.528† | 13.0 | 0.0332 mg/L | 0.00181 | 0.0332 mg/L | 0.00181 | 5.44% |
| QC value within limits for B 182.528 Recovery = Not calculated | | | | | | |
| Ba 233.527† | 267.6 | 0.0018 mg/L | 0.00009 | 0.0018 mg/L | 0.00009 | 4.84% |
| QC value within limits for Ba 233.527 Recovery = Not calculated | | | | | | |
| Be 313.107† | -1878.9 | 0.0000 mg/L | 0.00000 | 0.0000 mg/L | 0.00000 | 12.03% |
| QC value within limits for Be 313.107 Recovery = Not calculated | | | | | | |
| Ca 315.886† | 29618066.2 | 249.4 mg/L | 1.90 | 249.4 mg/L | 1.90 | 0.76% |
| QC value within limits for Ca 315.886 Recovery = 99.76% | | | | | | |
| Cd 228.802† | -6.3 | -0.0005 mg/L | 0.00020 | -0.0005 mg/L | 0.00020 | 39.71% |
| QC value within limits for Cd 228.802 Recovery = Not calculated | | | | | | |
| Co 228.616† | 36.6 | -0.0026 mg/L | 0.00068 | -0.0026 mg/L | 0.00068 | 26.09% |
| QC value within limits for Co 228.616 Recovery = Not calculated | | | | | | |
| Cr 267.716† | -507.5 | 0.0003 mg/L | 0.00011 | 0.0003 mg/L | 0.00011 | 35.38% |
| QC value within limits for Cr 267.716 Recovery = Not calculated | | | | | | |
| Cu 324.752† | 3390.1 | 0.0291 mg/L | 0.00003 | 0.0291 mg/L | 0.00003 | 0.09% |
| QC value greater than the upper limit for Cu 324.752 Recovery = Not calculated | | | | | | |
| Fe 234.349† | 4247019.6 | 95.24 mg/L | 0.131 | 95.24 mg/L | 0.131 | 0.14% |
| QC value within limits for Fe 234.349 Recovery = 95.24% | | | | | | |
| Fe 238.204† | 8539603.7 | 90.45 mg/L | 0.111 | 90.45 mg/L | 0.111 | 0.12% |
| QC value within limits for Fe 238.204 Recovery = 90.45% | | | | | | |
| K 766.490† | 40.4 | 0.6380 mg/L | 0.03074 | 0.6380 mg/L | 0.03074 | 4.82% |
| QC value within limits for K 766.490 Recovery = Not calculated | | | | | | |
| Li 670.784† | 41.3 | 0.0105 mg/L | 0.00048 | 0.0105 mg/L | 0.00048 | 4.54% |
| QC value within limits for Li 670.784 Recovery = Not calculated | | | | | | |
| Mg 279.077† | 4343728.2 | 248.3 mg/L | 0.49 | 248.3 mg/L | 0.49 | 0.20% |
| QC value within limits for Mg 279.077 Recovery = 99.34% | | | | | | |
| Mn 257.610† | 3755.5 | 0.0023 mg/L | 0.00007 | 0.0023 mg/L | 0.00007 | 2.96% |
| QC value within limits for Mn 257.610 Recovery = Not calculated | | | | | | |
| Mo 202.031† | 199.6 | 0.0145 mg/L | 0.00021 | 0.0145 mg/L | 0.00021 | 1.48% |
| QC value within limits for Mo 202.031 Recovery = Not calculated | | | | | | |
| Na 589.592 | 183.3 | 0.2058 mg/L | 0.00618 | 0.2058 mg/L | 0.00618 | 3.00% |
| QC value within limits for Na 589.592 Recovery = Not calculated | | | | | | |
| Ni 231.604† | 205.0 | 0.0011 mg/L | 0.00034 | 0.0011 mg/L | 0.00034 | 29.97% |
| QC value within limits for Ni 231.604 Recovery = Not calculated | | | | | | |
| P 214.914† | -139.0 | -0.1097 mg/L | 0.01216 | -0.1097 mg/L | 0.01216 | 11.09% |
| QC value less than the lower limit for P 214.914 Recovery = Not calculated | | | | | | |
| Pb 220.353† | -294.9 | 0.0041 mg/L | 0.00279 | 0.0041 mg/L | 0.00279 | 67.96% |
| QC value within limits for Pb 220.353 Recovery = Not calculated | | | | | | |
| Sb 206.836† | -14.2 | -0.0088 mg/L | 0.00396 | -0.0088 mg/L | 0.00396 | 45.08% |
| QC value within limits for Sb 206.836 Recovery = Not calculated | | | | | | |
| Se 196.026† | 7.0 | 0.0108 mg/L | 0.01002 | 0.0108 mg/L | 0.01002 | 93.00% |
| QC value within limits for Se 196.026 Recovery = Not calculated | | | | | | |
| Sn 189.927† | 250.0 | 0.0720 mg/L | 0.00100 | 0.0720 mg/L | 0.00100 | 1.39% |
| QC value greater than the upper limit for Sn 189.927 Recovery = Not calculated | | | | | | |
| Sr 407.771† | 16338.6 | 0.0006 mg/L | 0.00001 | 0.0006 mg/L | 0.00001 | 0.93% |
| QC value within limits for Sr 407.771 Recovery = Not calculated | | | | | | |
| Ti 337.279† | 4163.7 | 0.0053 mg/L | 0.00004 | 0.0053 mg/L | 0.00004 | 0.85% |
| QC value within limits for Ti 337.279 Recovery = Not calculated | | | | | | |
| Tl 190.801† | 75.8 | 0.0870 mg/L | 0.00030 | 0.0870 mg/L | 0.00030 | 0.35% |
| QC value greater than the upper limit for Tl 190.801 Recovery = Not calculated | | | | | | |
| V 292.402† | 2560.7 | 0.0004 mg/L | 0.00003 | 0.0004 mg/L | 0.00003 | 8.40% |
| QC value within limits for V 292.402 Recovery = Not calculated | | | | | | |
| Zn 213.857† | 5956.6 | 0.0664 mg/L | 0.00113 | 0.0664 mg/L | 0.00113 | 1.71% |
| QC value greater than the upper limit for Zn 213.857 Recovery = Not calculated | | | | | | |
| QC Failed. Continue with analysis. | | | | | | |

Sequence No.: 47
 Sample ID: ICSAB
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 159
 Date Collected: 8/14/2006 8:47:40 PM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

 Replicate Data: ICSAB

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. Units | Sample Conc. Units | Analysis Time |
|-------|------------|---------------|---------------------|--------------------|--------------------|---------------|
| 1 | K 766.490† | -333.0 | 44.3 | 0.6398 mg/L | 0.6398 mg/L | 20:49:14 |

| | | | | | | |
|---|-------------|------------|------------|--------------|--------------|----------|
| 1 | Li 670.784† | -58.2 | 58.2 | 0.0107 mg/L | 0.0107 mg/L | 20:49:14 |
| 1 | Na 589.592 | 489.9 | 173.2 | 0.2045 mg/L | 0.2045 mg/L | 20:49:14 |
| 1 | Y 371.029 | 2914241.7 | 2914241.7 | 0.897 mg/L | | 20:49:40 |
| 1 | Ag 328.068† | 121514.4 | 137244.9 | 0.5418 mg/L | 0.5418 mg/L | 20:49:45 |
| 1 | Al 237.313† | 1616190.9 | 1802372.4 | 262.3 mg/L | 262.3 mg/L | 20:49:40 |
| 1 | As 188.979† | -3.1 | -7.8 | -0.0123 mg/L | -0.0123 mg/L | 20:50:06 |
| 1 | B 182.528† | 10.5 | 15.0 | 0.0373 mg/L | 0.0373 mg/L | 20:50:06 |
| 1 | Ba 233.527† | 20185.2 | 22601.7 | 0.2532 mg/L | 0.2532 mg/L | 20:49:45 |
| 1 | Be 313.107† | 890089.0 | 991500.1 | 0.2584 mg/L | 0.2584 mg/L | 20:49:40 |
| 1 | Ca 315.886† | 26597421.5 | 29657626.5 | 249.7 mg/L | 249.7 mg/L | 20:49:32 |
| 1 | Cd 228.802† | 16849.5 | 18641.0 | 0.4840 mg/L | 0.4840 mg/L | 20:49:45 |
| 1 | Co 228.616† | 6860.6 | 7718.3 | 0.2322 mg/L | 0.2322 mg/L | 20:50:06 |
| 1 | Cr 267.716† | 29423.5 | 31106.0 | 0.2492 mg/L | 0.2492 mg/L | 20:49:45 |
| 1 | Cu 324.752† | 54412.7 | 58537.0 | 0.2695 mg/L | 0.2695 mg/L | 20:49:45 |
| 1 | Fe 234.349† | 3799584.5 | 4235252.4 | 94.97 mg/L | 94.97 mg/L | 20:49:40 |
| 1 | Fe 238.204† | 7636868.0 | 8514901.2 | 90.19 mg/L | 90.19 mg/L | 20:49:40 |
| 1 | Mg 279.077† | 3886224.5 | 4333335.4 | 247.7 mg/L | 247.7 mg/L | 20:49:40 |
| 1 | Mn 257.610† | 172052.1 | 190247.9 | 0.2529 mg/L | 0.2529 mg/L | 20:49:45 |
| 1 | Mo 202.031† | 219.8 | 202.8 | 0.0147 mg/L | 0.0147 mg/L | 20:50:06 |
| 1 | Ni 231.604† | 18758.9 | 20235.3 | 0.4644 mg/L | 0.4644 mg/L | 20:49:45 |
| 1 | P 214.914† | -30.4 | -102.4 | -0.0770 mg/L | -0.0770 mg/L | 20:50:06 |
| 1 | Pb 220.353† | 2588.5 | 3011.9 | 0.4762 mg/L | 0.4762 mg/L | 20:50:06 |
| 1 | Sb 206.836† | 33.7 | 2.0 | -0.0040 mg/L | -0.0040 mg/L | 20:50:06 |
| 1 | Se 196.026† | -0.4 | 4.4 | 0.0070 mg/L | 0.0070 mg/L | 20:50:06 |
| 1 | Sn 189.927† | 253.7 | 221.5 | 0.0634 mg/L | 0.0634 mg/L | 20:50:06 |
| 1 | Sr 407.771† | 14651.1 | 16634.4 | 0.0006 mg/L | 0.0006 mg/L | 20:49:45 |
| 1 | Ti 337.279† | 2347.4 | 4190.7 | 0.0053 mg/L | 0.0053 mg/L | 20:49:45 |
| 1 | Tl 190.801† | 34.9 | 58.1 | 0.0719 mg/L | 0.0719 mg/L | 20:50:06 |
| 1 | V 292.402† | 46230.7 | 52789.9 | 0.2522 mg/L | 0.2522 mg/L | 20:49:45 |
| 1 | Zn 213.857† | 37214.8 | 40770.1 | 0.5203 mg/L | 0.5203 mg/L | 20:49:45 |
| 2 | K 766.490† | -343.2 | 33.5 | 0.6350 mg/L | 0.6350 mg/L | 20:49:20 |
| 2 | Li 670.784† | -85.0 | 28.4 | 0.0104 mg/L | 0.0104 mg/L | 20:49:20 |
| 2 | Na 589.592 | 547.4 | 230.7 | 0.2119 mg/L | 0.2119 mg/L | 20:49:20 |
| 2 | Y 371.029 | 2919128.1 | 2919128.1 | 0.898 mg/L | | 20:50:23 |
| 2 | Ag 328.068† | 127679.0 | 143880.6 | 0.5678 mg/L | 0.5678 mg/L | 20:50:29 |
| 2 | Al 237.313† | 1635757.6 | 1821137.6 | 265.1 mg/L | 265.1 mg/L | 20:50:23 |
| 2 | As 188.979† | 4.0 | 0.1 | 0.0004 mg/L | 0.0004 mg/L | 20:50:49 |
| 2 | B 182.528† | 1.9 | 5.4 | 0.0169 mg/L | 0.0169 mg/L | 20:50:49 |
| 2 | Ba 233.527† | 21299.2 | 23804.1 | 0.2668 mg/L | 0.2668 mg/L | 20:50:29 |
| 2 | Be 313.107† | 900687.2 | 1001636.7 | 0.2610 mg/L | 0.2610 mg/L | 20:50:23 |
| 2 | Ca 315.886† | 26618151.9 | 29631058.5 | 249.5 mg/L | 249.5 mg/L | 20:50:15 |
| 2 | Cd 228.802† | 17726.9 | 19586.3 | 0.5078 mg/L | 0.5078 mg/L | 20:50:29 |
| 2 | Co 228.616† | 2855.9 | 3247.3 | 0.0955 mg/L | 0.0955 mg/L | 20:50:49 |
| 2 | Cr 267.716† | 31015.7 | 32823.5 | 0.2628 mg/L | 0.2628 mg/L | 20:50:29 |
| 2 | Cu 324.752† | 57227.7 | 61569.2 | 0.2829 mg/L | 0.2829 mg/L | 20:50:29 |
| 2 | Fe 234.349† | 3845288.5 | 4279038.7 | 95.95 mg/L | 95.95 mg/L | 20:50:23 |
| 2 | Fe 238.204† | 7726126.9 | 8600011.0 | 91.09 mg/L | 91.09 mg/L | 20:50:23 |
| 2 | Mg 279.077† | 3936793.1 | 4382375.4 | 250.6 mg/L | 250.6 mg/L | 20:50:23 |
| 2 | Mn 257.610† | 182173.1 | 201193.6 | 0.2676 mg/L | 0.2676 mg/L | 20:50:29 |
| 2 | Mo 202.031† | 135.5 | 108.5 | 0.0074 mg/L | 0.0074 mg/L | 20:50:49 |
| 2 | Ni 231.604† | 19863.6 | 21430.0 | 0.4919 mg/L | 0.4919 mg/L | 20:50:29 |
| 2 | P 214.914† | 43.3 | -20.3 | -0.0038 mg/L | -0.0038 mg/L | 20:50:49 |
| 2 | Pb 220.353† | 1055.0 | 1300.0 | 0.2322 mg/L | 0.2322 mg/L | 20:50:49 |
| 2 | Sb 206.836† | 30.1 | -2.1 | -0.0064 mg/L | -0.0064 mg/L | 20:50:49 |
| 2 | Se 196.026† | -4.4 | -0.1 | 0.0005 mg/L | 0.0005 mg/L | 20:50:49 |
| 2 | Sn 189.927† | 148.8 | 104.3 | 0.0280 mg/L | 0.0280 mg/L | 20:50:49 |
| 2 | Sr 407.771† | 15451.0 | 17497.6 | 0.0007 mg/L | 0.0007 mg/L | 20:50:29 |
| 2 | Ti 337.279† | 2507.5 | 4364.6 | 0.0056 mg/L | 0.0056 mg/L | 20:50:29 |
| 2 | Tl 190.801† | 17.5 | 38.7 | 0.0543 mg/L | 0.0543 mg/L | 20:50:49 |
| 2 | V 292.402† | 48965.2 | 55747.7 | 0.2667 mg/L | 0.2667 mg/L | 20:50:29 |
| 2 | Zn 213.857† | 39497.8 | 43242.0 | 0.5525 mg/L | 0.5525 mg/L | 20:50:29 |

Mean Data: ICSAB

| Analyte | Mean Corrected Intensity | Calib Conc. Units | Std.Dev. | Sample Conc. Units | Std.Dev. | RSD |
|--|--------------------------|-------------------|----------|--------------------|----------|---------|
| Y 371.029 | 2916684.9 | 0.898 mg/L | 0.0011 | | | |
| Ag 328.068† | 140562.7 | 0.5548 mg/L | 0.01841 | 0.5548 mg/L | 0.01841 | 3.32% |
| QC value within limits for Ag 328.068 Recovery = 110.96% | | | | | | |
| Al 237.313† | 1811755.0 | 263.7 mg/L | 1.93 | 263.7 mg/L | 1.93 | 0.73% |
| QC value within limits for Al 237.313 Recovery = 105.48% | | | | | | |
| As 188.979† | -3.9 | -0.0060 mg/L | 0.00902 | -0.0060 mg/L | 0.00902 | 150.94% |

| | | | | | | | |
|--|----------|------------|--------------|---------|--------------|---------|---------|
| B | 182.528† | 10.2 | 0.0271 mg/L | 0.01444 | 0.0271 mg/L | 0.01444 | 53.33% |
| QC value within limits for As 188.979 Recovery = Not calculated | | | | | | | |
| Ba | 233.527† | 23202.9 | 0.2600 mg/L | 0.00957 | 0.2600 mg/L | 0.00957 | 3.68% |
| QC value within limits for B 182.528 Recovery = Not calculated | | | | | | | |
| Be | 313.107† | 996568.4 | 0.2597 mg/L | 0.00187 | 0.2597 mg/L | 0.00187 | 0.72% |
| QC value within limits for Ba 233.527 Recovery = 104.00% | | | | | | | |
| Ca | 315.886† | 29644342.5 | 249.6 mg/L | 0.16 | 249.6 mg/L | 0.16 | 0.06% |
| QC value within limits for Be 313.107 Recovery = 103.89% | | | | | | | |
| Cd | 228.802† | 19113.6 | 0.4959 mg/L | 0.01679 | 0.4959 mg/L | 0.01679 | 3.39% |
| QC value within limits for Ca 315.886 Recovery = 99.85% | | | | | | | |
| Co | 228.616† | 5482.8 | 0.1638 mg/L | 0.09667 | 0.1638 mg/L | 0.09667 | 59.01% |
| QC value less than the lower limit for Co 228.616 Recovery = 65.52% | | | | | | | |
| Cr | 267.716† | 31964.8 | 0.2560 mg/L | 0.00960 | 0.2560 mg/L | 0.00960 | 3.75% |
| QC value within limits for Cr 267.716 Recovery = 102.41% | | | | | | | |
| Cu | 324.752† | 60053.1 | 0.2762 mg/L | 0.00947 | 0.2762 mg/L | 0.00947 | 3.43% |
| QC value within limits for Cu 324.752 Recovery = 110.47% | | | | | | | |
| Fe | 234.349† | 4257145.6 | 95.46 mg/L | 0.694 | 95.46 mg/L | 0.694 | 0.73% |
| QC value within limits for Fe 234.349 Recovery = 95.46% | | | | | | | |
| Fe | 238.204† | 8557456.1 | 90.64 mg/L | 0.638 | 90.64 mg/L | 0.638 | 0.70% |
| QC value within limits for Fe 238.204 Recovery = 90.64% | | | | | | | |
| K | 766.490† | 38.9 | 0.6374 mg/L | 0.00337 | 0.6374 mg/L | 0.00337 | 0.53% |
| QC value within limits for K 766.490 Recovery = Not calculated | | | | | | | |
| Li | 670.784† | 43.3 | 0.0105 mg/L | 0.00025 | 0.0105 mg/L | 0.00025 | 2.37% |
| QC value within limits for Li 670.784 Recovery = Not calculated | | | | | | | |
| Mg | 279.077† | 4357855.4 | 249.1 mg/L | 1.98 | 249.1 mg/L | 1.98 | 0.80% |
| QC value within limits for Mg 279.077 Recovery = 99.66% | | | | | | | |
| Mn | 257.610† | 195720.8 | 0.2602 mg/L | 0.01040 | 0.2602 mg/L | 0.01040 | 4.00% |
| QC value within limits for Mn 257.610 Recovery = 104.08% | | | | | | | |
| Mo | 202.031† | 155.6 | 0.0111 mg/L | 0.00516 | 0.0111 mg/L | 0.00516 | 46.68% |
| QC value within limits for Mo 202.031 Recovery = Not calculated | | | | | | | |
| Na | 589.592 | 202.0 | 0.2082 mg/L | 0.00521 | 0.2082 mg/L | 0.00521 | 2.50% |
| QC value within limits for Na 589.592 Recovery = Not calculated | | | | | | | |
| Ni | 231.604† | 20832.6 | 0.4781 mg/L | 0.01945 | 0.4781 mg/L | 0.01945 | 4.07% |
| QC value within limits for Ni 231.604 Recovery = 95.62% | | | | | | | |
| P | 214.914† | -61.3 | -0.0404 mg/L | 0.05178 | -0.0404 mg/L | 0.05178 | 128.22% |
| QC value within limits for P 214.914 Recovery = Not calculated | | | | | | | |
| Pb | 220.353† | 2156.0 | 0.3542 mg/L | 0.17256 | 0.3542 mg/L | 0.17256 | 48.72% |
| QC value less than the lower limit for Pb 220.353 Recovery = 70.84% | | | | | | | |
| Sb | 206.836† | -0.1 | -0.0052 mg/L | 0.00170 | -0.0052 mg/L | 0.00170 | 32.64% |
| QC value within limits for Sb 206.836 Recovery = Not calculated | | | | | | | |
| Se | 196.026† | 2.1 | 0.0038 mg/L | 0.00461 | 0.0038 mg/L | 0.00461 | 122.35% |
| QC value within limits for Se 196.026 Recovery = Not calculated | | | | | | | |
| Sn | 189.927† | 162.9 | 0.0457 mg/L | 0.02501 | 0.0457 mg/L | 0.02501 | 54.69% |
| QC value within limits for Sn 189.927 Recovery = Not calculated | | | | | | | |
| Sr | 407.771† | 17066.0 | 0.0006 mg/L | 0.00003 | 0.0006 mg/L | 0.00003 | 4.70% |
| QC value within limits for Sr 407.771 Recovery = Not calculated | | | | | | | |
| Ti | 337.279† | 4277.6 | 0.0054 mg/L | 0.00018 | 0.0054 mg/L | 0.00018 | 3.29% |
| QC value within limits for Ti 337.279 Recovery = Not calculated | | | | | | | |
| Tl | 190.801† | 48.4 | 0.0631 mg/L | 0.01242 | 0.0631 mg/L | 0.01242 | 19.68% |
| QC value greater than the upper limit for Tl 190.801 Recovery = Not calculated | | | | | | | |
| V | 292.402† | 54268.8 | 0.2595 mg/L | 0.01030 | 0.2595 mg/L | 0.01030 | 3.97% |
| QC value within limits for V 292.402 Recovery = 103.78% | | | | | | | |
| Zn | 213.857† | 42006.0 | 0.5364 mg/L | 0.02275 | 0.5364 mg/L | 0.02275 | 4.24% |
| QC value within limits for Zn 213.857 Recovery = 107.28% | | | | | | | |
| QC Failed. Continue with analysis. | | | | | | | |

Sequence No.: 48
 Sample ID: WASH
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 0
 Date Collected: 8/14/2006 8:52:27 PM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Replicate Data: WASH

| Repl# | Analyte | Net Intensity | Corrected Intensity | Calib. Conc. Units | Sample Conc. Units | Analysis Time |
|-------|-------------|---------------|---------------------|--------------------|--------------------|---------------|
| 1 | K 766.490† | -447.2 | -35.4 | 0.6046 mg/L | 0.6046 mg/L | 20:53:54 |
| 1 | Li 670.784† | -119.3 | 2.7 | 0.0101 mg/L | 0.0101 mg/L | 20:53:54 |
| 1 | Na 589.592 | 308.3 | -8.3 | 0.1813 mg/L | 0.1813 mg/L | 20:53:54 |
| 1 | Y 371.029 | 3222166.0 | 3222166.0 | 0.992 mg/L | | 20:54:08 |

Metals Logbooks

PREPARATION BATCH SUMMARY

6010B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Batch: BH61418 Batch Matrix: Solid

Preparation: 3050B

| SAMPLE NAME | LAB SAMPLE ID | LAB FILE ID | DATE PREPARED | OBSERVATIONS |
|----------------|---------------|---------------|----------------|---------------------|
| SS-SI69 E | 0608248-01 | 081406NAD-022 | 08/14/06 14:45 | |
| SS-SI69 E | 0608248-01RE1 | 081406XAD-019 | 08/14/06 14:45 | Added 8/24/06 by JP |
| SS-SI71 W1 | 0608248-02 | 081406NAD-023 | 08/14/06 14:45 | |
| SS-SI71 W1 | 0608248-02RE1 | 081406XAD-020 | 08/14/06 14:45 | Added 8/24/06 by JP |
| SS-SI72 N1 | 0608248-03 | 081406NAD-027 | 08/14/06 14:45 | |
| SS-SI72 N1 | 0608248-03RE1 | 081406XAD-021 | 08/14/06 14:45 | Added 8/24/06 by JP |
| SS-SI73 B1 | 0608248-04 | 081406NAD-028 | 08/14/06 14:45 | |
| SS-SI73 B1 | 0608248-04RE1 | 081406XAD-022 | 08/14/06 14:45 | Added 8/24/06 by JP |
| SS-SI73 B1 Dup | 0608248-05 | 081406NAD-031 | 08/14/06 14:45 | |
| SS-SI73 B1 Dup | 0608248-05RE1 | 081406XAD-023 | 08/14/06 14:45 | Added 8/24/06 by JP |
| SS-SI74 E1 | 0608248-06 | 081406XAD-024 | 08/14/06 14:45 | |
| SS-SI75 S1 | 0608248-07 | 081406NAD-033 | 08/14/06 14:45 | |
| SS-SI75 S1 | 0608248-07RE1 | 081406XAD-027 | 08/14/06 14:45 | Added 8/24/06 by JP |
| SS-SI70 N | 0608248-08 | 081406NAD-034 | 08/14/06 14:45 | |
| SS-SI70 N | 0608248-08RE1 | 081406XAD-028 | 08/14/06 14:45 | Added 8/24/06 by JP |
| SS-SI70 B1 | 0608248-09 | 081406XAD-033 | 08/14/06 14:45 | Data Package |
| SS-SI70 B1 | 0608248-09 | 081406NAD-039 | 08/14/06 14:45 | Data Package |
| SS-SI77 B1 | 0608248-10 | 081406NAD-040 | 08/14/06 14:45 | Data Package |
| SS-SI77 B1 | 0608248-10RE1 | 081406XAD-034 | 08/14/06 14:45 | Data Package |
| Vertex Fill | 0608248-11 | 081406XAD-035 | 08/14/06 14:45 | Data Package |
| Vertex Fill | 0608248-11 | 081406NAD-043 | 08/14/06 14:45 | Data Package |
| Blank | BH61418-BLK1 | 081406NAD-016 | 08/14/06 14:45 | |
| Blank | BH61418-BLK1 | 081406XAD-015 | 08/14/06 14:45 | |
| Blank | BH61418-BLK2 | 081406XAD-015 | 08/14/06 14:45 | |
| LCS | BH61418-BS1 | 081406NAD-017 | 08/14/06 14:45 | |
| LCS | BH61418-BS1 | 081406XAD-016 | 08/14/06 14:45 | |
| LCS | BH61418-BS2 | 081406XAD-016 | 08/14/06 14:45 | |
| LCS Dup | BH61418-BSD1 | 081406NAD-018 | 08/14/06 14:45 | |
| LCS Dup | BH61418-BSD1 | 081406XAD-017 | 08/14/06 14:45 | |
| LCS Dup | BH61418-BSD2 | 081406XAD-017 | 08/14/06 14:45 | |
| SS-SI70 N | BH61418-DUP1 | 081406NAD-035 | 08/14/06 14:45 | |
| Vertex Fill | BH61418-DUP2 | 081406NAD-044 | 08/14/06 14:45 | |
| Vertex Fill | BH61418-DUP2 | 081406XAD-036 | 08/14/06 14:45 | |

PREPARATION BATCH SUMMARY

6010B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Batch: BH61418 Batch Matrix: Solid

Preparation: 3050B

| SAMPLE NAME | LAB SAMPLE ID | LAB FILE ID | DATE PREPARED | OBSERVATIONS |
|-------------|---------------|---------------|----------------|--|
| SS-SI70 N | BH61418-DUP3 | 081406XAD-029 | 08/14/06 14:45 | |
| Vertex Fill | BH61418-DUP4 | 081406XAD-036 | 08/14/06 14:45 | |
| SS-SI70 N | BH61418-MS1 | 081406NAD-036 | 08/14/06 14:45 | |
| Vertex Fill | BH61418-MS2 | 081406XAD-039 | 08/14/06 14:45 | |
| Vertex Fill | BH61418-MS2 | 081406NAD-045 | 08/14/06 14:45 | |
| SS-SI70 N | BH61418-MS3 | 081406XAD-030 | 08/14/06 14:45 | |
| Vertex Fill | BH61418-MS4 | 081406XAD-039 | 08/14/06 14:45 | |
| SS-SI70 N | BH61418-PS1 | 081406NAD-038 | 08/14/06 14:45 | [Spk] 1.78g->100ml; 10ml->10ml; Spiked 10ml |
| Vertex Fill | BH61418-PS2 | 081406NAD-047 | 08/14/06 14:45 | [Spk] 1.78g->100ml; 10ml->10ml; Spiked 10ml |
| SS-SI70 N | BH61418-PS3 | 081406XAD-032 | 08/14/06 14:45 | [Spk] 1.78g->100ml; 1ml->10ml; Spiked 10ml |
| Vertex Fill | BH61418-PS4 | 081406XAD-041 | 08/14/06 14:45 | [Spk] 1.78g->100ml; 10ml->10ml; Spiked 10ml |
| Reference | BH61418-SRM1 | 081406XAD-018 | 08/14/06 14:45 | |
| Reference | BH61418-SRM1 | 081406NAD-019 | 08/14/06 14:45 | |
| Reference | BH61418-SRM2 | 081406NAD-020 | 08/14/06 14:45 | |
| Reference | BH61418-SRM3 | 081406XAD-018 | 08/14/06 14:45 | |

ESS LABORATORY ICP III TRAY SEQUENCE LOGBOOK

STD 1/Wash: 6H08062
 STD2 ID: 6H14017
 STD3 ID: 6H14018
 STD4 ID: 6H14019
 CRI 1: 6H14022 CRI 2: 6H14024

ICSAB ID: 6H03055 ICSA ID: 6H03057
 ICCV ID: 6H14022
 IS ID: 6H14033
 CRI 3: 6H14025

| # | SAMPLE | # | SAMPLE | # | SAMPLE | # | SAMPLE |
|----|-------------|----|---|----|--------|-----|--------|
| 1 | STD 1/Wash: | 31 | 6H61418-031 | 61 | | 91 | |
| 2 | STD 2 | 32 | 032 | 62 | | 92 | |
| 3 | STD 3 | 33 | 033 | 63 | | 93 | |
| 4 | STD 4 | 34 | 8114016 0608236-01700 x 10 0608236-01700 | 64 | | 94 | |
| 5 | ICCV | 35 | 0608236-01700 | 65 | | 95 | |
| 6 | CRI 1 | 36 | 0608236-01700 | 66 | | 96 | |
| 7 | CRI 2 | 37 | 6H61401-01700 x 5 | 67 | | 97 | |
| 8 | CRI 3 | 38 | 033 | 68 | | 98 | |
| 9 | 6H61418-031 | 39 | 031 | 69 | | 99 | |
| 10 | 031 | 40 | 031 | 70 | | 100 | |
| 11 | 032 | 41 | N/A | 71 | | 101 | |
| 12 | 033 | 42 | | 72 | | 102 | |
| 13 | 034 | 43 | | 73 | | 103 | |
| 14 | 0608238-01 | 44 | | 74 | | 104 | |
| 15 | 0608238-01 | 45 | | 75 | | 159 | ICSAB |
| 16 | 035 | 46 | | 76 | | 160 | ICSA |
| 17 | 036 | 47 | | 77 | | | |
| 18 | 037 | 48 | | 78 | | | |
| 19 | 038 | 49 | | 79 | | | |
| 20 | 039 | 50 | | 80 | | | |
| 21 | 040 | 51 | 81 | | | | |
| 22 | 041 | 52 | 82 | | | | |
| 23 | 6H61418-031 | 53 | 83 | | | | |
| 24 | 032 | 54 | 84 | | | | |
| 25 | 033 | 55 | 85 | | | | |
| 26 | 034 | 56 | 86 | | | | |
| 27 | 0608238-01 | 57 | 87 | | | | |
| 28 | 035 | 58 | 88 | | | | |
| 29 | 036 | 59 | 89 | | | | |
| 30 | 6H61418-031 | 60 | 90 | | | | |

SIF: 081706 m
 RDS: 081406 m
 METHOD: Electrodepos - DV
 METHOD: m
 ANALYST: MS
 DATE: 8/11/08

CONTROL# 30.0038-0602A

Page _____

ESS LABORATORY ICP II TRAY SEQUENCE LOGBOOK

STD 1/Wash: 6H08062
 STD2 ID: 6H14017
 STD3 ID: 6H14018
 STD4 ID: 6H14019
 CRI 1: 6H14023 CRI 2: 6H14024

ICSAB ID: 6H03955 ICSA ID: 6H03957
 ICCV ID: 6H14022
 IS ID: 6H05063
 CRI 3: 6H14025

| # | SAMPLE | # | SAMPLE | # | SAMPLE | # | SAMPLE |
|----|----------------------|----|-------------|----|--------|-----|--------|
| 1 | STD 1/Wash: | 31 | BH61M18-PM1 | 61 | | 91 | |
| 2 | STD 2 | 32 | | 62 | | 92 | |
| 3 | STD 3 | 33 | | 63 | | 93 | |
| 4 | STD 4 | 34 | | 64 | | 94 | |
| 5 | ICCV | 35 | | 65 | | 95 | |
| 6 | CRI 1 | 36 | | 66 | | 96 | |
| 7 | CRI 2 | 37 | | 67 | | 97 | |
| 8 | CRI 3 | 38 | | 68 | | 98 | |
| 9 | BH61M18-BUM | 39 | | 69 | | 99 | |
| 10 | -BS1 | 40 | | 70 | | 100 | |
| 11 | -BSM | 41 | | 71 | | 101 | |
| 12 | -SM1 | 42 | | 72 | | 102 | |
| 13 | 0608278-015 (21m) | 43 | | 73 | | 103 | |
| 14 | -02x5 (21m) | 44 | | 74 | | 104 | |
| 15 | -03x10 (11m) | 45 | | 75 | | 105 | ICSAB |
| 16 | -04x5 (21m) | 46 | | 76 | | 106 | ICSA |
| 17 | -05x5 (21m) | 47 | | 77 | | | |
| 18 | -06 | 48 | | 78 | | | |
| 19 | -07x5 (21m) | 49 | | 79 | | | |
| 20 | -08x10 (11m) | 50 | | 80 | | | |
| 21 | BH61M18-011x10 (11m) | 51 | | 81 | | | |
| 22 | -09x10 (11m) | 52 | | 82 | | | |
| 23 | 61M18-011x10 (11m) | 53 | | 83 | | | |
| 24 | -10x10 (11m) | 54 | | 84 | | | |
| 25 | 0608278-07 | 55 | | 85 | | | |
| 26 | -11x2 (51m) | 56 | | 86 | | | |
| 27 | -11 | 57 | | 87 | | | |
| 28 | BH61M18-NM2 | 58 | | 88 | | | |
| 29 | -12 | 59 | | 89 | | | |
| 30 | -13 | 60 | | 90 | | | |

SIF: 081406x4
 RDS: 081406x4
 METHOD: ESSENTIAL
 METHOD: NA
 ANALYST: WJ
 DATE: 8/1/06

CONTROL# 30.0006-0602A

ESS LABORATORY METALS PREP LOGBOOK

ANALYST: VJD
 DATE: 8/1/01
 TIME: 11:14
 Batch ID: 8261944
 HNO₃ Reagent -
 1:1 HCl Reagent -
 1:1 HNO₃ Reagent -
 H₂O₂ Reagent -
 AR#: 0608020
 WR#: 0608020
 WR#: 060727E
 AR#: 060727E
 adaptation of...

| Hot Plate Temp (°C) | |
|---------------------|----|
| 195 # 2 | 95 |
| | |
| | |

| Sample ID | matrix | pH | Initial wg/vol | Final wg/vol | QC ID/Lot # | QC wg/vol | Method | Hot Plate Number | Comments |
|-----------|--------|----|-------------------|-----------------|-------------|--------------|--------|---------------------|----------|
| 08298-01 | S | " | 1.773 | 1.773 | 6E04027 | 0.500 | 3450 | 195 # 2 | |
| 08298-02 | S | " | 1.863 | 1.863 | " | " | 3450 | 195 # 2 | |
| 08298-03 | S | " | 1.763 | 1.763 | " | " | 3450 | 195 # 2 | |
| 08298-04 | S | " | 1.813 | 1.813 | " | " | 3450 | 195 # 2 | |
| 08298-05 | S | " | 1.843 | 1.843 | " | " | 3450 | 195 # 2 | |
| 08298-06 | S | " | 1.833 | 1.833 | " | " | 3450 | 195 # 2 | |
| 08298-07 | S | " | 1.843 | 1.843 | " | " | 3450 | 195 # 2 | |
| 08298-08 | S | " | 1.833 | 1.833 | " | " | 3450 | 195 # 2 | |
| 08298-09 | S | " | 1.843 | 1.843 | " | " | 3450 | 195 # 2 | |
| 08298-10 | S | " | 1.833 | 1.833 | " | " | 3450 | 195 # 2 | |
| 08298-11 | S | " | 1.843 | 1.843 | " | " | 3450 | 195 # 2 | |
| 08298-12 | S | " | 1.833 | 1.833 | " | " | 3450 | 195 # 2 | |
| 08298-13 | S | " | 1.843 | 1.843 | " | " | 3450 | 195 # 2 | |
| 08298-14 | S | " | 1.833 | 1.833 | " | " | 3450 | 195 # 2 | |
| 08298-15 | S | " | 1.843 | 1.843 | " | " | 3450 | 195 # 2 | |
| 08298-16 | S | " | 1.833 | 1.833 | " | " | 3450 | 195 # 2 | |
| 08298-17 | S | " | 1.843 | 1.843 | " | " | 3450 | 195 # 2 | |
| 08298-18 | S | " | 1.833 | 1.833 | " | " | 3450 | 195 # 2 | |
| 08298-19 | S | " | 1.843 | 1.843 | " | " | 3450 | 195 # 2 | |
| 08298-20 | S | " | 1.833 | 1.833 | " | " | 3450 | 195 # 2 | |
| 08298-21 | S | " | 1.843 | 1.843 | " | " | 3450 | 195 # 2 | |
| 08298-22 | S | " | 1.833 | 1.833 | " | " | 3450 | 195 # 2 | |
| 08298-23 | S | " | 1.843 | 1.843 | " | " | 3450 | 195 # 2 | |
| 08298-24 | S | " | 1.833 | 1.833 | " | " | 3450 | 195 # 2 | |
| 08298-25 | S | " | 1.843 | 1.843 | " | " | 3450 | 195 # 2 | |
| 08298-26 | S | " | 1.833 | 1.833 | " | " | 3450 | 195 # 2 | |
| 08298-27 | S | " | 1.843 | 1.843 | " | " | 3450 | 195 # 2 | |
| 08298-28 | S | " | 1.833 | 1.833 | " | " | 3450 | 195 # 2 | |
| 08298-29 | S | " | 1.843 | 1.843 | " | " | 3450 | 195 # 2 | |
| 08298-30 | S | " | 1.833 | 1.833 | " | " | 3450 | 195 # 2 | |

MATRIX KEY: AQ = AQUEOUS, S = SOIL, O = OIL, F = FILTER, D = SLUDGE

ESS LABORATORY

METALS PREP LOGBOOK

ANALYST: JKW

HNO₃ Reagent -

AR# : 060832

| Hot Plate | Temp (°C) |
|-----------|-----------|
| 113#1 | 94 |
| | |

DATE: 8/14/06

1:1 HCl Reagent-

WR#: 060832

TIME: 14:46

1:1 HNO₃ Reagent-

WR#: 060832

Batch ID: JKW111

H₂O₂ Reagent-

AR#: 060832

| Sample ID | matrix | pH | Initial wg/vol | Final wg/vol | QC ID/lot # | QC wg/vol | Method | Hot Plate Number | Comments |
|-----------|--------|----|-------------------|-----------------|-------------|--------------|--------|---------------------|----------|
| 98315-11 | S | - | 1.785 | 100.1 | - | - | 3053 | 145#2 | |
| JKW111 | S | - | 1.773 | 100.1 | (060832) | 100.1 | 3053 | 145#2 | |
| | | | | | | | | | |
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| | | | | | | | | | |

MATRIX KEY: AQ = AQUEOUS, S = SOIL, O = OIL, F = FILTER, D = SLUDGE

HOLDING TIME SUMMARY

6010B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

| Sample Name | Date Collected | Date Received | Date Prepared | Days to Prep | Max Days to Prep | Date Analyzed | Days to Analysis | Max Days to Analysis | Q |
|----------------|-------------------|-------------------|-------------------|--------------|------------------|-------------------|------------------|----------------------|---|
| SS-SI69 E | 08/14/06 11:35 | 08/14/06 14:15 | 08/14/06 14:45 | 0.13 | 180.00 | 08/14/06 17:31 | 0.25 | 180.00 | |
| SS-SI69 E | 08/14/06 11:35 | 08/14/06 14:15 | 08/14/06 14:45 | 0.13 | 180.00 | 08/14/06 20:45 | 0.38 | 180.00 | |
| SS-SI71 W1 | 08/14/06 12:15 | 08/14/06 14:15 | 08/14/06 14:45 | 0.10 | 180.00 | 08/14/06 17:36 | 0.22 | 180.00 | |
| SS-SI71 W1 | 08/14/06 12:15 | 08/14/06 14:15 | 08/14/06 14:45 | 0.10 | 180.00 | 08/14/06 20:49 | 0.36 | 180.00 | |
| SS-SI72 N1 | 08/14/06 12:30 | 08/14/06 14:15 | 08/14/06 14:45 | 0.09 | 180.00 | 08/14/06 17:59 | 0.23 | 180.00 | |
| SS-SI72 N1 | 08/14/06 12:30 | 08/14/06 14:15 | 08/14/06 14:45 | 0.09 | 180.00 | 08/14/06 20:53 | 0.35 | 180.00 | |
| SS-SI73 B1 | 08/14/06 12:55 | 08/14/06 14:15 | 08/14/06 14:45 | 0.08 | 180.00 | 08/14/06 18:04 | 0.22 | 180.00 | |
| SS-SI73 B1 | 08/14/06 12:55 | 08/14/06 14:15 | 08/14/06 14:45 | 0.08 | 180.00 | 08/14/06 20:57 | 0.34 | 180.00 | |
| SS-SI73 B1 Dup | 08/14/06 12:55 | 08/14/06 14:15 | 08/14/06 14:45 | 0.08 | 180.00 | 08/14/06 18:18 | 0.22 | 180.00 | |
| SS-SI73 B1 Dup | 08/14/06 12:55 | 08/14/06 14:15 | 08/14/06 14:45 | 0.08 | 180.00 | 08/14/06 21:02 | 0.34 | 180.00 | |
| SS-SI74 E1 | 08/14/06 13:00 | 08/14/06 14:15 | 08/14/06 14:45 | 0.07 | 180.00 | 08/14/06 21:06 | 0.34 | 180.00 | |
| SS-SI75 S1 | 08/14/06 13:10 | 08/14/06 14:15 | 08/14/06 14:45 | 0.07 | 180.00 | 08/14/06 18:28 | 0.22 | 180.00 | |
| SS-SI75 S1 | 08/14/06 13:10 | 08/14/06 14:15 | 08/14/06 14:45 | 0.07 | 180.00 | 08/14/06 21:19 | 0.34 | 180.00 | |
| SS-SI70 N | 08/14/06 13:15 | 08/14/06 14:15 | 08/14/06 14:45 | 0.06 | 180.00 | 08/14/06 18:33 | 0.22 | 180.00 | |
| SS-SI70 N | 08/14/06 13:15 | 08/14/06 14:15 | 08/14/06 14:45 | 0.06 | 180.00 | 08/14/06 21:23 | 0.34 | 180.00 | |
| SS-SI70 B1 | 08/14/06 13:30 | 08/14/06 14:15 | 08/14/06 14:45 | 0.05 | 180.00 | 08/14/06 18:57 | 0.23 | 180.00 | |
| SS-SI70 B1 | 08/14/06 13:30 | 08/14/06 14:15 | 08/14/06 14:45 | 0.05 | 180.00 | 08/14/06 21:44 | 0.34 | 180.00 | |
| SS-SI77 B1 | 08/14/06 13:40 | 08/14/06 14:15 | 08/14/06 14:45 | 0.05 | 180.00 | 08/14/06 19:01 | 0.22 | 180.00 | |
| SS-SI77 B1 | 08/14/06 13:40 | 08/14/06 14:15 | 08/14/06 14:45 | 0.05 | 180.00 | 08/14/06 21:48 | 0.34 | 180.00 | |
| Vertex Fill | 08/14/06 14:00 | 08/14/06 14:15 | 08/14/06 14:45 | 0.03 | 180.00 | 08/14/06 19:15 | 0.22 | 180.00 | |
| Vertex Fill | 08/14/06 14:00 | 08/14/06 14:15 | 08/14/06 14:45 | 0.03 | 180.00 | 08/14/06 21:53 | 0.33 | 180.00 | |

Metals Data Package

Metals Sample Data

ESS Laboratory

SDG: 0608248
CLASS: METALS
METHOD: 7060A

ANALYSES DATA PACKAGE COVER PAGE

7060A

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Client Sample Id:

SS-SI70 B1

SS-SI77 B1

Vertex Fill

Lab Sample Id:

0608248-09

0608248-10

0608248-11

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures.

Signature: _____

Name: _____

Date: _____

Title: _____

METHOD DETECTION AND REPORTING LIMITS

7060A

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Solid

Instrument: GFAA2

| Analyte | MDL | MRL | Units |
|---------|------|-----|-------|
| Arsenic | 0.02 | 0.3 | mg/kg |

METHOD DETECTION AND REPORTING LIMITS

7060A

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Solid

Instrument: ICP3

| Analyte | MDL | MRL | Units |
|---------|------|-----|-------|
| Arsenic | 0.02 | 0.3 | mg/kg |

INORGANIC ANALYSIS DATA SHEET

SS-SI70 B1

7060A

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Soil

Laboratory ID: 0608248-09

File ID: 081506ya-033

Sampled: 08/14/06 13:30

Prepared: 08/14/06 14:45

Analyzed: 08/15/06 12:58

Solids: 93.00

Preparation: 3050B

Initial/Final: 1.86 g / 100 ml

Batch: BH61418

Sequence: BPH0307

Calibration: UNASSIGNED

Instrument: GFAA2

| CAS NO. | Analyte | Concentration (mg/kg dry) | Dilution Factor | Q | Method |
|-----------|---------|------------------------------|--------------------|----|--------|
| 7440-38-2 | Arsenic | 1.4 | 5 | DU | 7060A |

INORGANIC ANALYSIS DATA SHEET

7060A

SS-SI77 B1

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Soil

Laboratory ID: 0608248-10

File ID: 081506ya-034

Sampled: 08/14/06 13:40

Prepared: 08/14/06 14:45

Analyzed: 08/15/06 13:03

Solids: 94.00

Preparation: 3050E

Initial/Final: 1.76 g / 100 ml

Batch: BH61418

Sequence: BPH0307

Calibration: UNASSIGNED

Instrument: GFAA2

| CAS NO. | Analyte | Concentration (mg/kg dry) | Dilution Factor | Q | Method |
|-----------|---------|------------------------------|--------------------|---|--------|
| 7440-38-2 | Arsenic | 2.3 | 5 | D | 7060A |

INORGANIC ANALYSIS DATA SHEET

7060A

Vertex Fill

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Soil

Laboratory ID: 0608248-11

File ID: 081506ya-035

Sampled: 08/14/06 14:00

Prepared: 08/14/06 14:45

Analyzed: 08/15/06 13:09

Solids: 99.00

Preparation: 3050B

Initial/Final: 1.78 g / 100 ml

Batch: BH61418

Sequence: BPH0307

Calibration: UNASSIGNED

Instrument: GFAA2

| CAS NO. | Analyte | Concentration (mg/kg dry) | Dilution Factor | Q | Method |
|-----------|---------|------------------------------|--------------------|---|--------|
| 7440-38-2 | Arsenic | 2.3 | 5 | D | 7060A |

Metals Quality Control Data

DUPLICATES

Vertex Fill

7060A

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Solid

Laboratory ID: BH61418-DUP6

Batch: BH61418

Lab Source ID: 0608248-11

Preparation: 3050B

Initial/Final: 1.77 g / 100 ml

Source Sample Name: Vertex Fill

% Solids: 99.00

| ANALYTE | CONTROL LIMIT | SAMPLE CONCENTRATION (mg/kg dry) | C | DUPLICATE CONCENTRATION (mg/kg dry) | C | RPD % | Q | METHOD |
|---------|---------------|----------------------------------|---|-------------------------------------|---|-------|---|--------|
| Arsenic | 35 | 2.3 | | ND | | | | 7060A |

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Vertex Fill

7060A

Laboratory: ESS Laboratory SDG: 0608248
Client: MACTEC Engineering & Consulting, Inc. Project: Providence Gorham Site
Matrix: Solid
Batch: BH61418 Laboratory ID: BH61418-MS6
Preparation: 3050B Initial/Final: 1.75 g / 100 ml
Source Sample Name: Vertex Fill

| COMPOUND | SPIKE ADDED (mg/kg dry) | SAMPLE CONCENTRATION (mg/kg dry) | MS CONCENTRATION (mg/kg dry) | MS % REC. # | QC LIMITS REC. |
|----------|----------------------------|-------------------------------------|---------------------------------|----------------|-------------------|
| Arsenic | 28.9 | 2.3 | 25.6 | 81 | 75 - 125 |

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

7060A

| | |
|--|--|
| Laboratory: <u>ESS Laboratory</u> | SDG: <u>0608248</u> |
| Client: <u>MACTEC Engineering & Consulting, Inc.</u> | Project: <u>Providence Gorham Site</u> |
| Matrix: <u>Solid</u> | |
| Batch: <u>BH61418</u> | Laboratory ID: <u>BH61418-BS3</u> |
| Preparation: <u>3050B</u> | Initial/Final: <u>1.5 g / 100 ml</u> |

| COMPOUND | SPIKE ADDED (mg/kg wet) | LCS CONCENTRATION (mg/kg wet) | LCS % REC. # | QC LIMITS REC. |
|----------|----------------------------|----------------------------------|-----------------|-------------------|
| Arsenic | 33.3 | 29.4 | 88 | 80 - 120 |

| COMPOUND | SPIKE ADDED (mg/kg wet) | LCSD CONCENTRATION (mg/kg wet) | LCSD % REC. # | % RPD # | QC LIMITS | |
|----------|----------------------------|-----------------------------------|------------------|------------|-----------|----------|
| | | | | | RPD | REC. |
| Arsenic | 33.3 | 30.3 | 91 | 3 | 20 | 80 - 120 |

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

STANDARD REFERENCE MATERIAL RECOVERY

7060A

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Solid

Batch: BH61418

Laboratory ID: BH61418-SRM4

Preparation: 3050B

Initial/Final: 1 g / 100 ml

| ANALYTE | TRUE (mg/kg wet) | FOUND (mg/kg wet) | SRM % REC. | QC LIMITS REC. |
|---------|---------------------|----------------------|------------------|----------------------|
| Arsenic | 80.9 | 83.3 | 103 | 79.73 - 120.27 |

* Values outside of QC limits

POST DIGEST SPIKE SAMPLE RECOVERY

Vertex Fill

7060A

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Solid

Laboratory ID: BH61418-PS6

Batch: BH61418

Lab Source ID: 0608248-11

Preparation: 3050B

Initial/Final: 0.0000534 g / 0.015 ml

Source Sample Name: Vertex Fill

% Solids: 99.00

| Analyte | Control Limit %R | Spike Sample Result (SSR) (ug/L) | Sample Result (SR) (ug/L) | Spike Added (SA) (ug/L) | %R |
|---------|------------------|----------------------------------|---------------------------|-------------------------|-----|
| Arsenic | 85 - 115 | 29.7 | 8.16 | 20.0 | 108 |

* Values outside of QC limits

SERIAL DILUTION

7060A

Vertex Fill

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Solid

Laboratory ID: BPH0307-SRD1

Sequence: BPH0307

Lab Source ID: 0608248-11

Preparation: BH61418

Initial/Final: 1.78 / 100

Source Sample Name: Vertex Fill

% Solids: 99.00

| Analyte | Initial Sample Result (I) | C | Serial Dilution Result (S) | C | % Difference | Q | Method | QC Limits % Difference |
|---------|---------------------------|---|----------------------------|---|--------------|---|--------|------------------------|
| Arsenic | 2.3 | | ND | | | | 7060A | 10 |

* Values outside of QC limits

Metals Calibration Data

ANALYSIS BATCH (SEQUENCE) SUMMARY

7060A

| | | | |
|-------------|--|--------------|-------------------------------|
| Laboratory: | <u>ESS Laboratory</u> | SDG: | <u>0608248</u> |
| Client: | <u>MACTEC Engineering & Consulting, Inc.</u> | Project: | <u>Providence Gorham Site</u> |
| Sequence: | <u>BPH0307</u> | Instrument: | <u>GFAA2</u> |
| Matrix: | <u>Solid</u> | Calibration: | <u>UNASSIGNED</u> |

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|---------------------|---------------|--------------|--------------------|
| Cal Standard | BPH0307-CAL1 | 081506ya-021 | 08/15/06 11:48 |
| Cal Standard | BPH0307-CAL2 | 081506ya-022 | 08/15/06 11:54 |
| Cal Standard | BPH0307-CAL3 | 081506ya-023 | 08/15/06 12:00 |
| Cal Standard | BPH0307-CAL4 | 081506ya-024 | 08/15/06 12:06 |
| Cal Standard | BPH0307-CAL5 | 081506ya-025 | 08/15/06 12:12 |
| Initial Cal Check | BPH0307-ICV1 | 081506ya-026 | 08/15/06 12:18 |
| Secondary Cal Check | BPH0307-SCV1 | 081506ya-027 | 08/15/06 12:24 |
| Initial Cal Blank | BPH0307-ICB1 | 081506ya-028 | 08/15/06 12:29 |
| Blank | BH61418-BLK3 | 081506ya-029 | 08/15/06 12:35 |
| LCS | BH61418-BS3 | 081506ya-030 | 08/15/06 12:41 |
| LCS Dup | BH61418-BSD3 | 081506ya-031 | 08/15/06 12:46 |
| Reference | BH61418-SRM4 | 081506ya-032 | 08/15/06 12:52 |
| SS-SI70 B1 | 0608248-09 | 081506ya-033 | 08/15/06 12:58 |
| SS-SI77 B1 | 0608248-10 | 081506ya-034 | 08/15/06 13:03 |
| Vertex Fill | 0608248-11 | 081506ya-035 | 08/15/06 13:09 |
| Vertex Fill | BH61418-PS6 | | 08/15/06 13:15 |
| Vertex Fill | BH61418-DUP6 | 081506ya-036 | 08/15/06 13:21 |
| Vertex Fill | BH61418-MS6 | 081506ya-037 | 08/15/06 13:27 |
| Vertex Fill | BPH0307-SRD1 | 081506ya-038 | 08/15/06 13:32 |
| Calibration Check | BPH0307-CCV1 | 081506ya-039 | 08/15/06 13:38 |
| Calibration Blank | BPH0307-CCB1 | 081506ya-040 | 08/15/06 13:44 |

BLANKS
7060A

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Instrument ID: GFAA2

Project: Providence Gorham Site

Sequence: BPH0307

Calibration: UNASSIGNED

| Lab Sample ID | Analyte | Found | MRL | Units | C | Method |
|---------------|---------|-------|-----|-----------|---|--------|
| BPH0307-ICB1 | Arsenic | 0.2 | 5.0 | ug/L | | 7060A |
| BH61418-BLK3 | Arsenic | 0.007 | 0.3 | mg/kg wet | | 7060A |
| BPH0307-CCB1 | Arsenic | 0.2 | 5.0 | ug/L | | 7060A |

INITIAL AND CONTINUING CALIBRATION CHECK

7060A

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Instrument ID: GFAA2

Calibration: UNASSIGNED

Control Limit: +/- 10.00%

Sequence: BPH0307

| Lab Sample ID | Analyte | True | Found | %R | Units | Method |
|---------------|---------|------|-------|----|-------|--------|
| BPH0307-ICV1 | Arsenic | 25.0 | 24.6 | 98 | ug/L | 7060A |
| BPH0307-CCV1 | Arsenic | 25.0 | 24.3 | 97 | ug/L | 7060A |

* Values outside of QC limits

ESS LABORATORY
GFAA Data Review Check List

| SIF Method: <u>T/S As, Pb</u> | | Run Date: <u>8/15/06</u> | | |
|---|---------|--------------------------|---------|--|
| Project Number(s): <u>08248, 227, 230, 223, 228, 239, 07347-18</u> | | | | |
| Batch Number (s): <u>081506YA</u> | | | | |
| SOP NO. 30 2009 | | | | |
| Review Item | Yes (X) | No (X) | N/A (X) | |
| 1. Does the cal curve consist of four Calibration Standards including a blank and is its correlation within QC limits (≥ 0.995)? | X | | | |
| 2. Is the low calibration standard at the reporting limit? | X | | | |
| 3. If the low standard is above the reporting limit, is a CRI analyzed at the beginning of the run? Does the recovery meet QC limits(80-120%)? | | | X | |
| 4. Is the midpoint calibration standard reanalyzed immediately after the curve and is it within QC limits of 90-110% (+ 5% for 200.9)? | X | | | |
| 5. Is the ICV from a second source and is its recovery within QC limits (90-110%) | X | | | |
| 6. Is the mid-point calibration standard re-analyzed every 10 samples and at the end of the run and are its recoveries within QC limits (90-110%)? | X | | | |
| 7. Is the CCB analyzed at beginning, after every 10 samples and at end of the run and are its recoveries within QC limits ($< 2 \times \text{MDL}$)? | X | | | |
| 8. Are the method blank recoveries within QC limits? | X | | | |
| 9. Are the LCS and ERA recoveries within QC limits (LCS: 80-120% for 7000, 85-115% for 200.9, ERA see COA)? | X | | | |
| 10. Are matrix dups run at desired frequency (1 per 10 samples or per analytical batch) and are RPD's within QC limits ($< 20\%$)? | | X | | |
| 11. Are matrix spikes run at desired frequency frequency (1 per 10 samples or per analytical batch) and are recoveries within QC limits (80-120%)? | | X | | |
| 12. Are all samples with concentrations $>$ the highest calibration standard diluted and reanalyzed? | X | | | |
| 13. Has the serial dilution been analyzed at the required frequency (once per analytical batch) and are results within criterion ($\pm 10\% \text{RPD}$)? | | X | | |
| 14. Is the batch post digestion spike within QC limits (85-115%)? | | X | | |
| 15. Are all sample hold times met? | X | | | |
| 16. Are all non-conformances included and noted? | X | | | |
| 17. Is the correct methodology used for sample prep and analysis? | X | | | |
| 18. Are all calculations checked? | X | | | |
| 19. Did analyst sign/date appropriate printouts and report sheets? | X | | | |
| 20. Are all samples located in the correct auto-sampler locations? | X | | | |

Comments on any "No" response:

As BH61418 - dup? UD - samp is a bit, BH6701-MS3 126 S. SD-30s

TI - OK

Pb 08320-05 du PDS high - sup UD

Analyst: [Signature] Date: 8/16/06 2nd Rvw: SWD Date: 8/16/06 (P)

Control Number: 30.0022-0602A

Page _____

Autosampler Loading List

Sample Information File: 081506YA.SIF

Methods: Tl 5 As 5 Pb 2

| Location | Elements | Solution |
|----------|----------|---------------------------|
| 1 | Tl,As | Sample: BH61418-blk1 |
| 2 | Tl,As | Sample: BH61418-bs1 x20 |
| 3 | Tl,As | Sample: BH61418-bsd1 x20 |
| 4 | Tl,As | Sample: BH61418-srm1 x50 |
| 5 | Tl,As | Sample: 0608248-09 x5 |
| 6 | Tl,As | Sample: 0608248-10 x5 |
| 7 | Tl,As | Sample: 0608248-11 x5 |
| 8 | Tl,As | Sample: BH61418-dup2 x5 |
| 9 | Tl,As | Sample: BH61418-ms2 x20 |
| 10 | Tl,As | Sample: BH61418-sd2 x25 |
| 11 | As | Sample: 0607347-18 x10 |
| 12 | Pb | Sample: 0608227-01 dir |
| 13 | Pb | Sample: 0608230-01 dir |
| 14 | Pb | Sample: 0608230-02 dir |
| 15 | Pb | Sample: 0608230-03 dir |
| 16 | Pb | Sample: 0608230-04 dir |
| 17 | Pb | Sample: 0608230-05 dir |
| 18 | Pb | Sample: BH61206-dup1 |
| 19 | Pb | Sample: BH61206-sd1 |
| 21 | As, Pb | Sample: BH61201-blk1 |
| 22 | As, Pb | Sample: BH61201-bs2 |
| 23 | As, Pb | Sample: BH61201-bsd2 |
| 24 | As, Pb | Sample: 0608223-01 |
| 25 | As, Pb | Sample: 0608223-02 |
| 26 | As, Pb | Sample: 0608223-03 |
| 27 | As, Pb | Sample: 0608223-05 |
| 28 | As | Sample: BH61109-blk1 |
| 29 | As | Sample: BH61109-bs1 x20 |
| 30 | As | Sample: BH61109-bsd1 x20 |
| 31 | As | Sample: BH61109-srm1 x50 |
| 32 | As | Sample: 0608228-01 x5 |
| 33 | As | Sample: 0608239-01 |
| 34 | As | Sample: BH61201-dup2 |
| 35 | As | Sample: BH61201-ms3 |
| 36 | As | Sample: BH61201-sd2 x5 |
| 121 | Tl,As,Pb | Stock Standard: 5.0 µg/L |
| 124 | Tl,As,Pb | Stock Standard: 10.0 µg/L |
| 126 | Tl,As,Pb | Stock Standard: 25.0 µg/L |
| | Tl,As,Pb | STD 3: 25.0000 µg/L |
| | Tl,As,Pb | CCV: 25.0000 µg/L |
| 129 | Tl,As,Pb | Stock Standard: 50.0 µg/L |
| 131 | Tl,As,Pb | Recovery Stock: 50.0 µg/L |
| 134 | Tl,As,Pb | ICV: 25.0000 µg/L |
| 136 | Tl,As,Pb | CRA 2: 2.0000 µg/L |
| 141 | Pb | Standard 0 |
| | Pb | ICB/CCB: 0.0000 µg/L |
| | Pb | Diluent |
| 146 | Pb | Modifier 2 |
| 147 | Tl,As | Modifier 1 |
| 148 | Tl,As | Standard 0 |
| | Tl,As | ICB/CCB: 0.0000 µg/L |
| | Tl,As | Diluent |

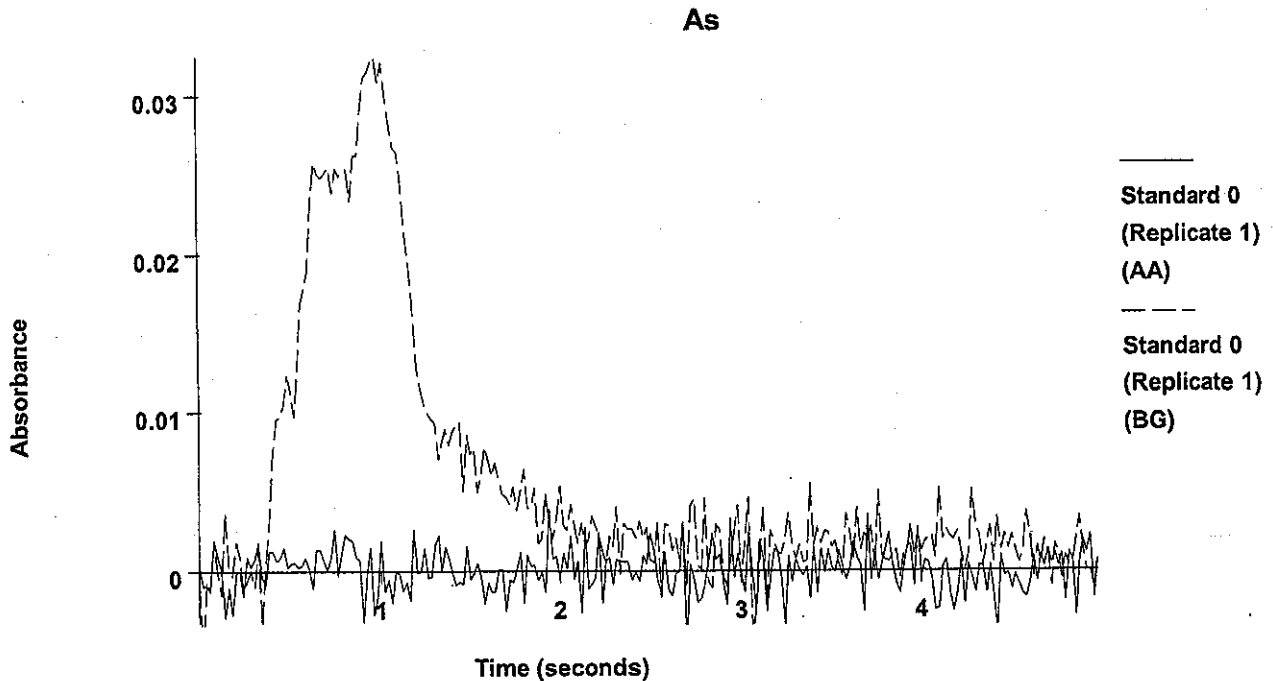
=====
 Method Name: As 5
 Method Description: As
 Element: As

Date: 08/15/2006
 Technique: Furnace
 Calibration Type:
 As, Calc. Intercept : Linear
 Wavelength: 193.7 nm
 Energy: 100
 Slit Width: 0.7
 Lamp Current: 350mA
 Sample Info Name: 081506YA.SIF

Results Data Set Name: 081506yad

=====
 Element: As Seq. No.: 22 AS Loc.: 148 Date: 08/15/2006
 Sample ID: Standard 0
 µL dispensed: 10 from 148, 5 from 147, 15 from 148

| Repl # | SampleConc | StndConc | BlnkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time | Peak Stored |
|--------|------------|----------|-----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1 | | | 0.0002 | 0.0002 | 0.0039 | 0.0282 | 0.0324 | 11:45:17 | Yes |



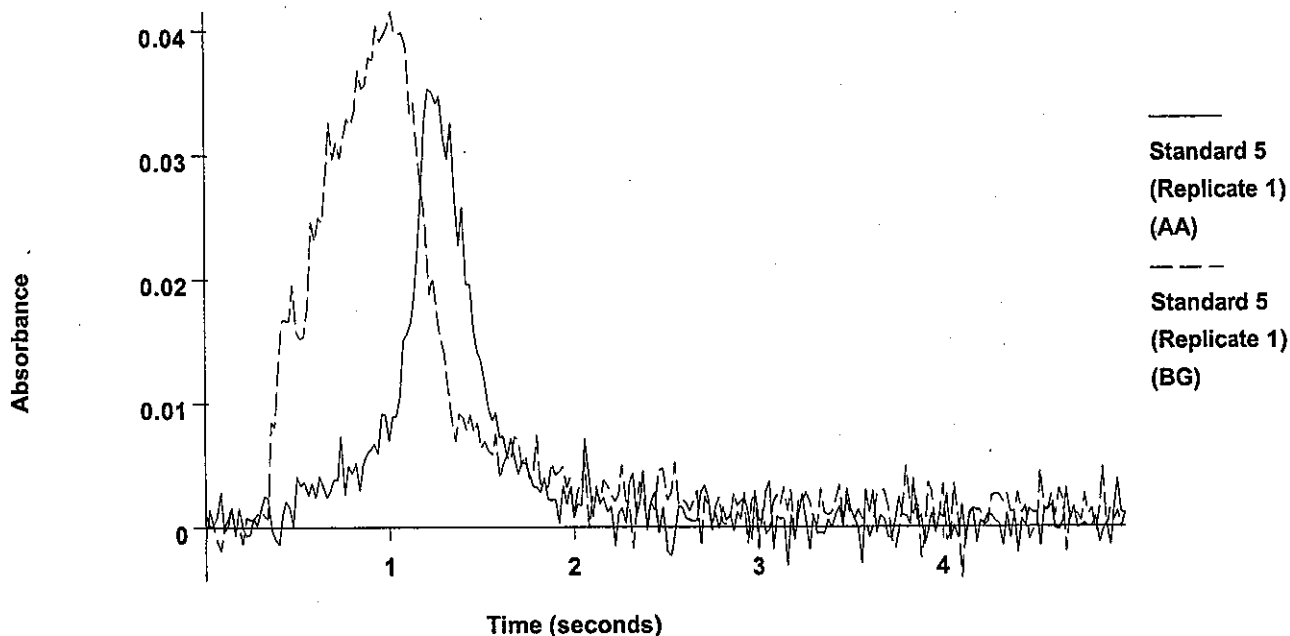
| | | | | | | | | | |
|-------|--|--|---------|---------|--------|--------|--------|----------|-----|
| 2 | | | -0.0002 | -0.0002 | 0.0056 | 0.0272 | 0.0324 | 11:48:07 | Yes |
| Mean: | | | 0.0000 | | | | | | |
| SD : | | | 0.0003 | | | | | | |
| %RSD: | | | 2803.96 | | | | | | |

Auto-zero performed.

=====
 Element: As Seq. No.: 23 AS Loc.: 121 Date: 08/15/2006
 Sample ID: Standard 5
 µL dispensed: 10 from 148, 5 from 147, 15 from 121

| Repl # | SampleConc | StndConc | BlnkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time | Peak Stored |
|--------|------------|----------|-----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1 | | | 0.0190 | 0.0190 | 0.0353 | 0.0352 | 0.0415 | 11:51:24 | Yes |

As

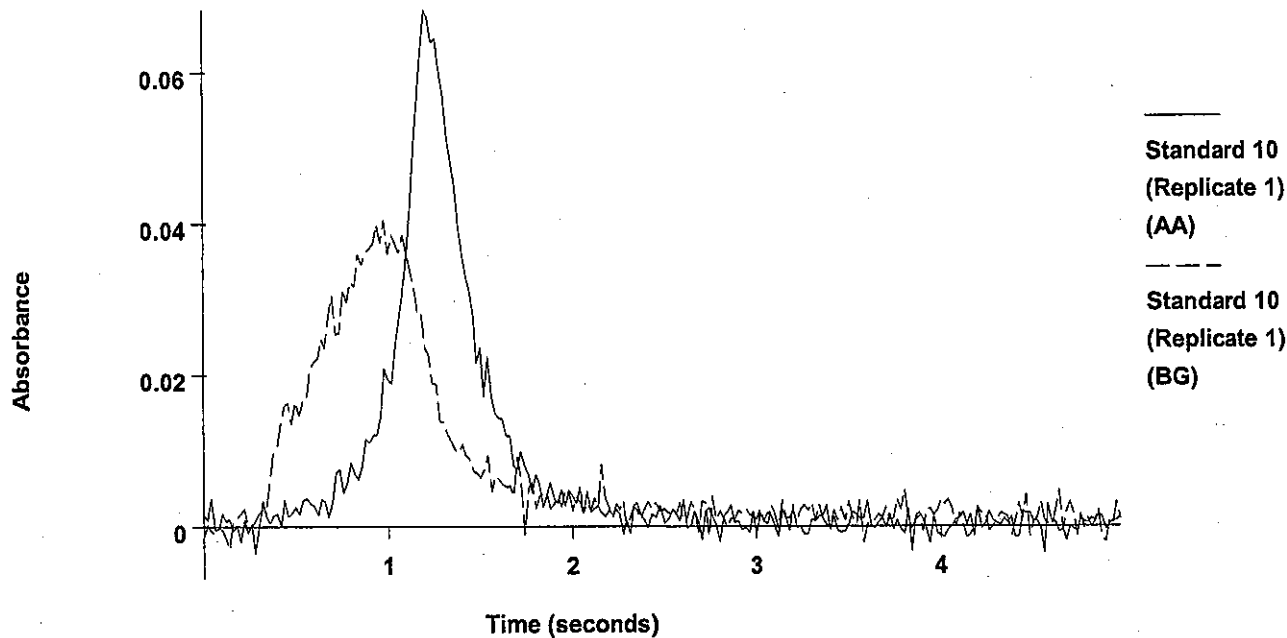


2 0.0171 0.0171 0.0392 0.0351 0.0388 11:54:15 Yes
 Mean: 0.0180
 SD : 0.0013
 %RSD: 7.35
 [As] Standard number 1 applied. [5.0]
 Correlation Coefficient: 1.00000 Slope: 0.00361
 Intercept : 0.00000

=====
 Element: As Seq. No.: 24 AS Loc.: 124 Date: 08/15/2006
 Sample ID: Standard 10
 µL dispensed: 10 from 148, 5 from 147, 15 from 124

| Repl # | SampleConc µg/L | StndConc µg/L | BlnkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time | Peak Stored |
|--------|-----------------|---------------|-----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1 | | | 0.0325 | 0.0325 | 0.0682 | 0.0340 | 0.0405 | 11:57:33 | Yes |

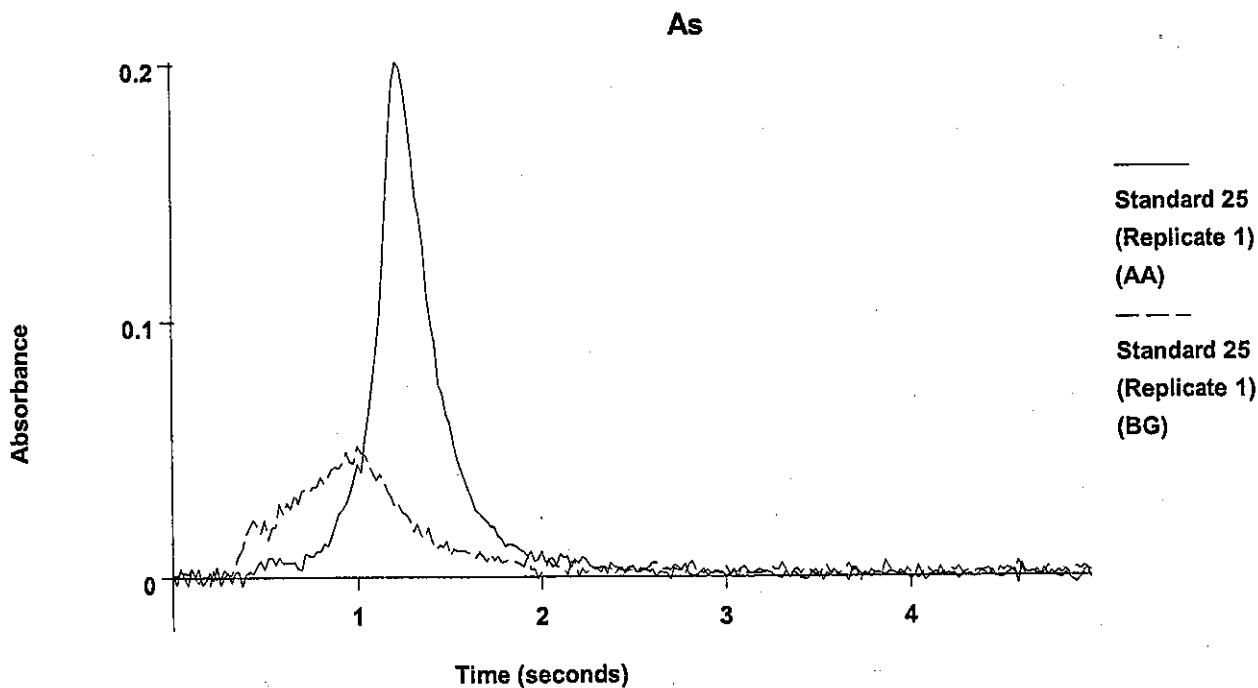
As



2 0.0339 0.0339 0.0743 0.0368 0.0448 12:00:26 Yes
 Mean: 0.0332
 SD : 0.0010
 %RSD: 3.15
 [As] Standard number 2 applied. [10.0]
 Correlation Coefficient: 0.99875 Slope: 0.00332
 Intercept : 0.00048

=====
 Element: As Seq. No.: 25 AS Loc.: 126 Date: 08/15/2006
 Sample ID: Standard 25
 µL dispensed: 10 from 148, 5 from 147, 15 from 126
 =====

| Repl # | SampleConc µg/L | StndConc µg/L | BlnkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time | Peak Stored |
|--------|-----------------|---------------|-----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1 | | | 0.0824 | 0.0824 | 0.2013 | 0.0439 | 0.0513 | 12:03:45 | Yes |

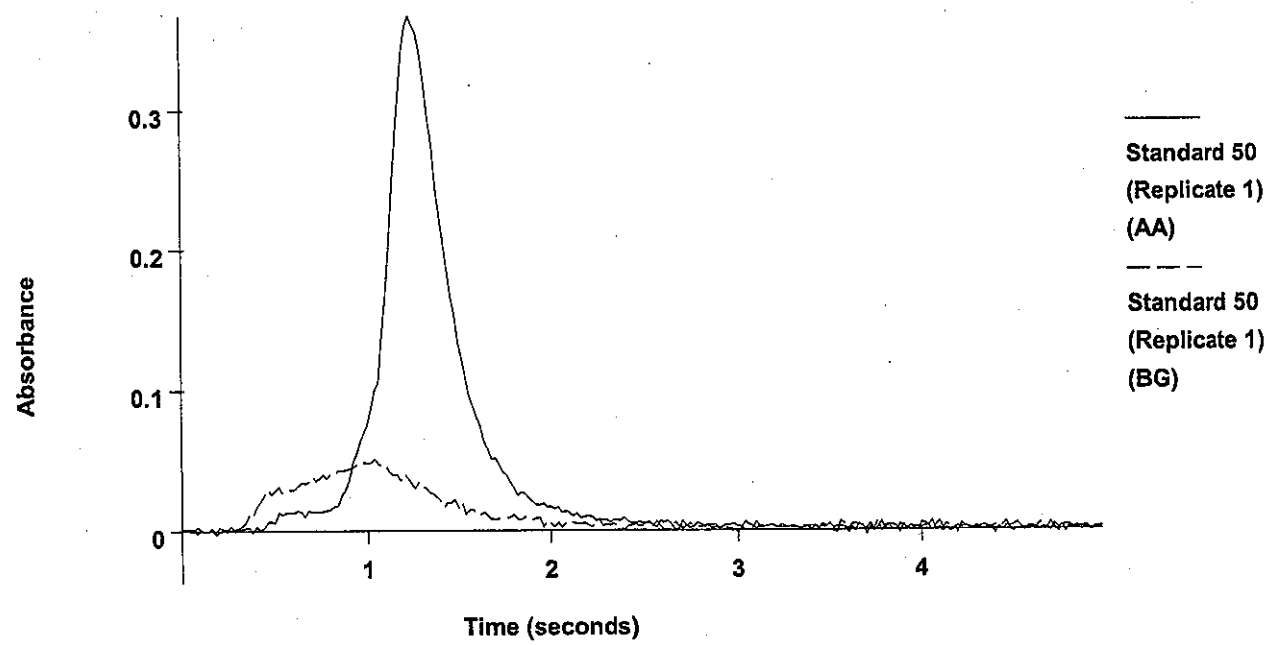


2 0.0829 0.0829 0.1909 0.0416 0.0457 12:06:37 Yes
 Mean: 0.0827
 SD : 0.0003
 %RSD: 0.42
 [As] Standard number 3 applied. [25.0]
 Correlation Coefficient: 0.99981 Slope: 0.00328
 Intercept : 0.00063

=====
 Element: As Seq. No.: 26 AS Loc.: 129 Date: 08/15/2006
 Sample ID: Standard 50
 µL dispensed: 10 from 148, 5 from 147, 15 from 129
 =====

| Repl # | SampleConc µg/L | StndConc µg/L | BlkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time | Peak Stored |
|--------|-----------------|---------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1 | | | 0.1675 | 0.1675 | 0.3678 | 0.0514 | 0.0513 | 12:09:54 | Yes |

As

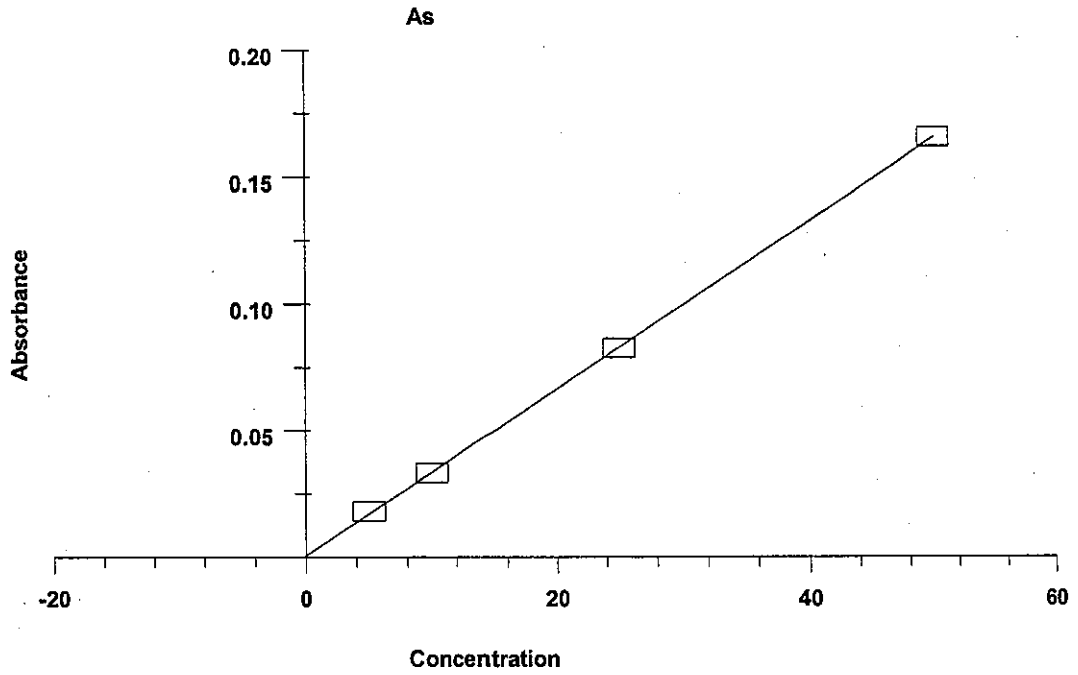


2 0.1638 0.1638 0.3642 0.0516 0.0503 12:12:46 Yes
 Mean: 0.1656
 SD : 0.0026
 %RSD: 1.57
 [As] Standard number 4 applied. [50.0]
 Correlation Coefficient: 0.99996 Slope: 0.00330
 Intercept : 0.00051

Calibration data for As

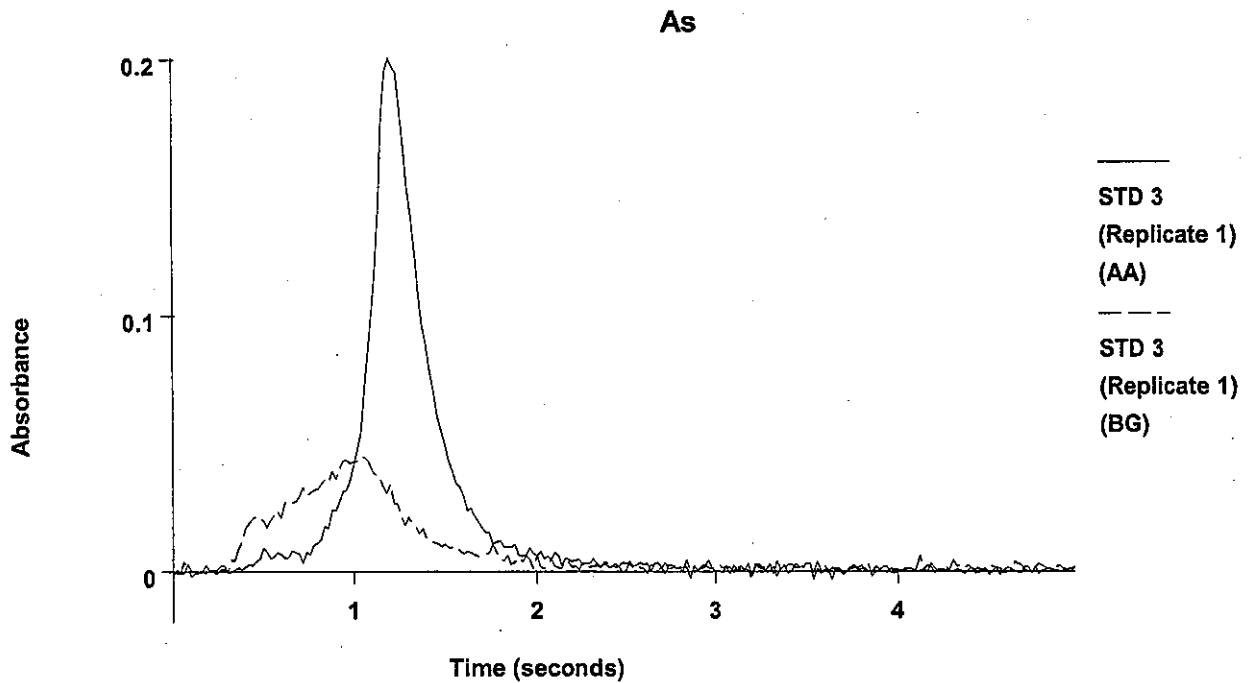
| Standard ID | Mean Signal (Pk Area) | Entered Concentration (µg/L) | Calculated Concentration (µg/L) | Standard Deviation | %RSD |
|--------------------------|-----------------------|------------------------------|---------------------------------|--------------------|-------------------|
| Standard 0 | 0.0000 | - | - | - | - |
| Standard 5 | 0.0180 | 5.0 | 5.3 | 0.00 | 7.35 |
| Standard 10 | 0.0332 | 10.0 | 9.9 | 0.00 | 3.15 |
| Standard 25 | 0.0827 | 25.0 | 24.9 | 0.00 | 0.42 |
| Standard 50 | 0.1656 | 50.0 | 50.0 | 0.00 | 1.57 |
| Correlation Coefficient: | | 0.99996 | Slope: | 0.00330 | Intercept: 0.0005 |

Cal 2004



=====
 Element: As Seq. No.: 27 AS Loc.: 126 Date: 08/15/2006
 Sample ID: STD 3
 µL dispensed: 10 from 148, 5 from 147, 15 from 126
 =====

| Repl # | Sample Conc µg/L | Std Conc µg/L | Blk Corr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time | Peak Stored |
|--------|------------------|---------------|-----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1 | 24.1 | 24.1 | 0.0801 | 0.0801 | 0.2007 | 0.0391 | 0.0451 | 12:15:43 | Yes |



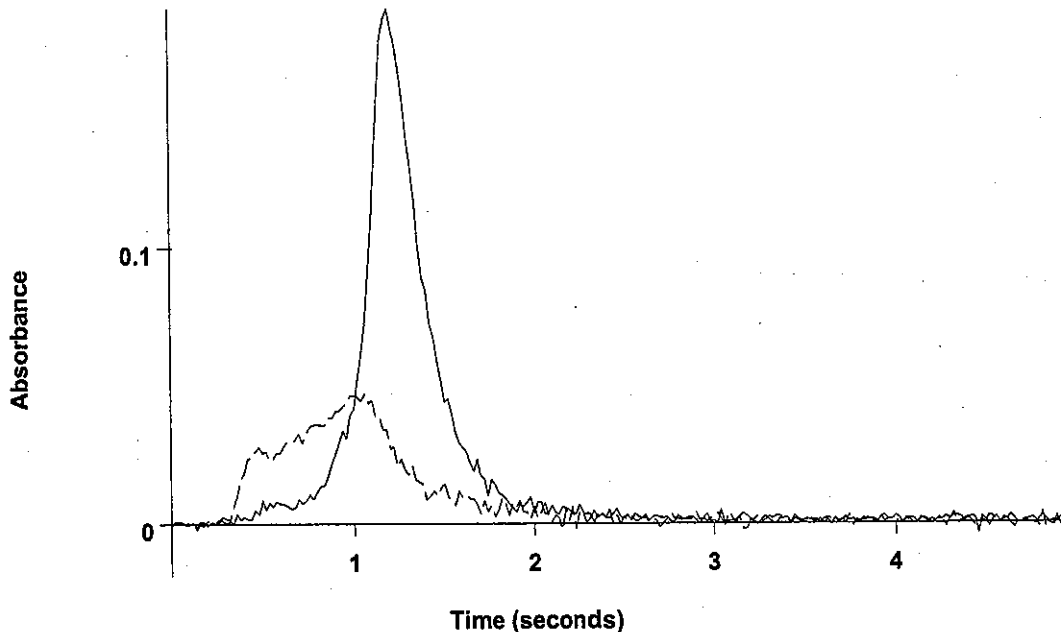
| | | | | | | | | | |
|---|------|------|--------|--------|--------|--------|--------|----------|-----|
| 2 | 25.2 | 25.2 | 0.0835 | 0.0835 | 0.2057 | 0.0430 | 0.0495 | 12:18:35 | Yes |
|---|------|------|--------|--------|--------|--------|--------|----------|-----|

Mean: 24.6 24.6 0.0818
 SD : 0.74 0.74 0.0024
 %RSD: 2.99 2.99 2.97
 QC value within specified limits.

=====
 Element: As Seq. No.: 28 AS Loc.: 134 Date: 08/15/2006
 Sample ID: ICV
 µL dispensed: 10 from 148, 5 from 147, 15 from 134

| Repl # | SampleConc µg/L | StndConc µg/L | BlkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time | Peak Stored |
|--------|-----------------|---------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1 | 23.8 | 23.8 | 0.0791 | 0.0791 | 0.1868 | 0.0410 | 0.0471 | 12:21:25 | Yes |

As

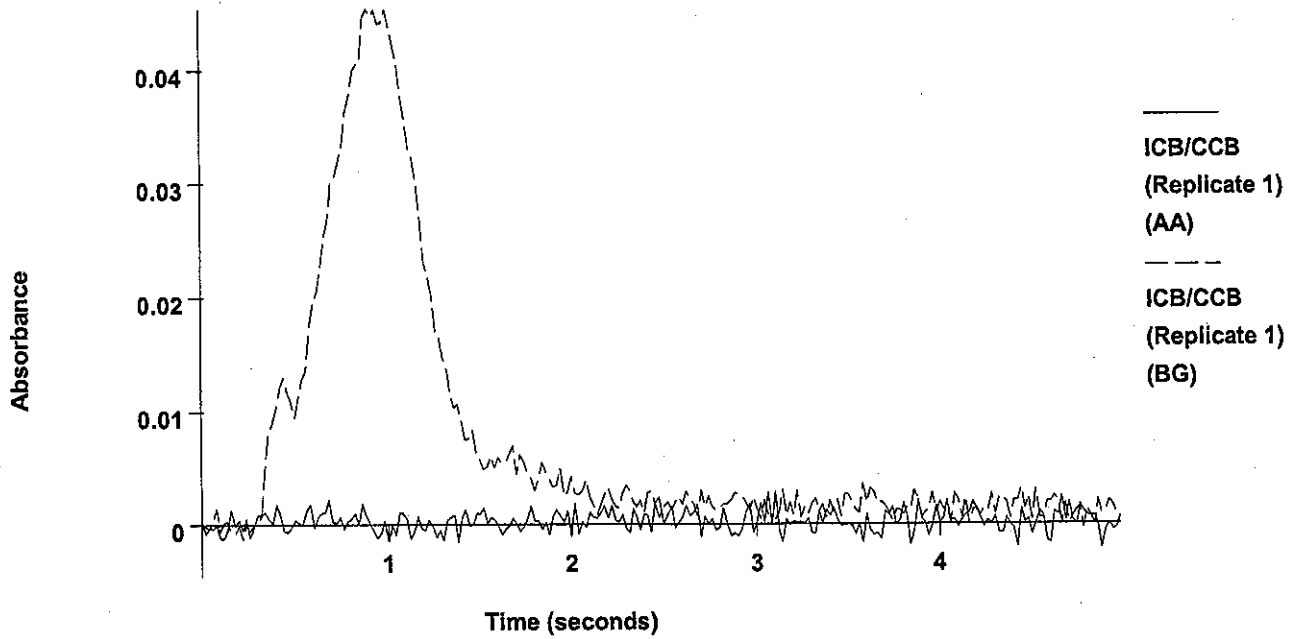


2 24.1 24.1 0.0800 0.0800 0.1901 0.0442 0.0519 12:24:15 Yes
 Mean: 23.9 23.9 0.0795
 SD : 0.19 0.19 0.0006
 %RSD: 0.80 0.80 0.80
 QC value within specified limits.

=====
 Element: As Seq. No.: 29 AS Loc.: 148 Date: 08/15/2006
 Sample ID: ICB/CCB
 µL dispensed: 10 from 148, 5 from 147, 15 from 148

| Repl # | SampleConc µg/L | StndConc µg/L | BlkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time | Peak Stored |
|--------|-----------------|---------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1 | 0.3 | 0.3 | 0.0014 | 0.0014 | 0.0029 | 0.0358 | 0.0454 | 12:27:05 | Yes |

As



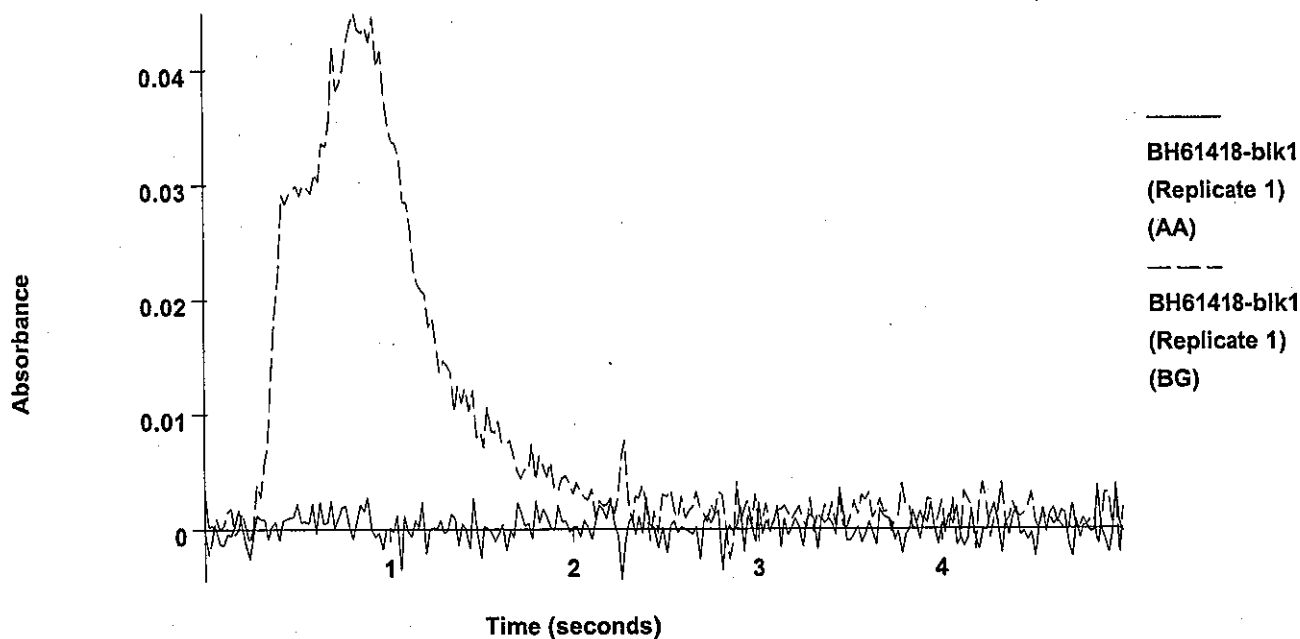
| | | | | | | | | | |
|-------|------|------|--------|--------|--------|--------|--------|----------|-----|
| 2 | 0.1 | 0.1 | 0.0009 | 0.0009 | 0.0055 | 0.0354 | 0.0455 | 12:29:54 | Yes |
| Mean: | 0.2 | 0.2 | 0.0011 | | | | | | |
| SD : | 0.10 | 0.10 | 0.0003 | | | | | | |
| %RSD: | 55.3 | 55.3 | 30.25 | | | | | | |

QC value within specified limits. ✓

=====
 Element: As Seq. No.: 30 AS Loc.: 1 Date: 08/15/2006
 Sample ID: BH61418-blk1
 µL dispensed: 10 from 148, 5 from 147, 15 from 1
 =====

| Repl # | SampleConc µg/L | StndConc µg/L | BlnkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time | Peak Stored |
|--------|-----------------|---------------|-----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1 | 0.2 | 0.2 | 0.0012 | 0.0012 | 0.0039 | 0.0401 | 0.0450 | 12:32:44 | Yes |

As



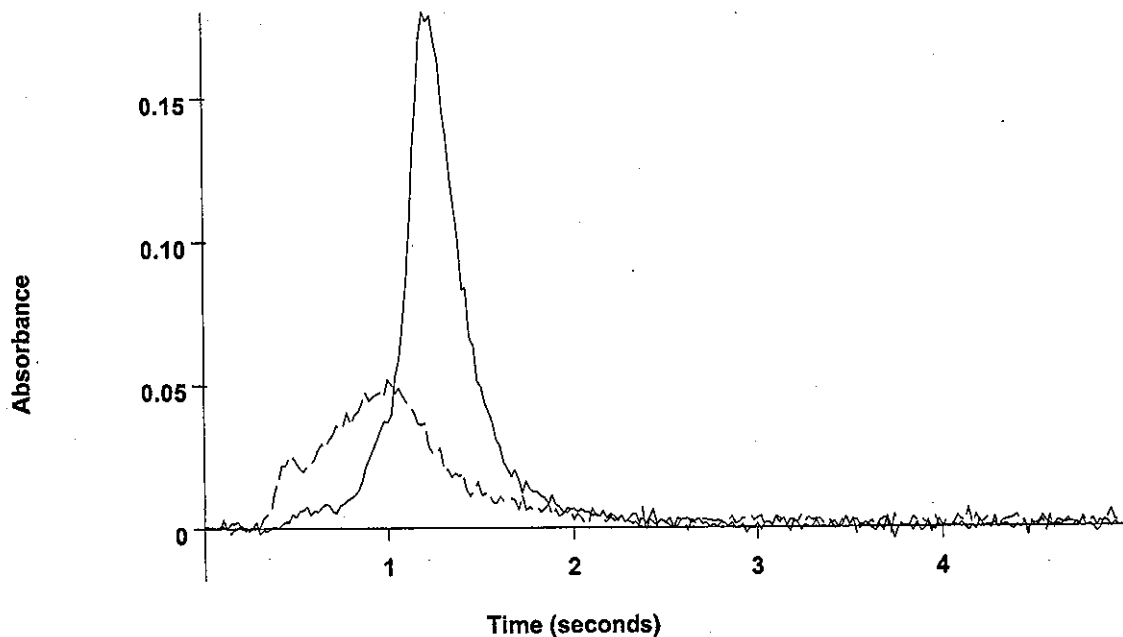
| | | | | | | | | | |
|-------|------|------|--------|--------|--------|--------|--------|----------|-----|
| 2 | 0.0 | 0.0 | 0.0005 | 0.0005 | 0.0050 | 0.0428 | 0.0486 | 12:35:34 | Yes |
| Mean: | 0.1 | 0.1 | 0.0008 | | | | | | |
| SD : | 0.16 | 0.16 | 0.0005 | | | | | | |
| %RSD: | 161 | 161 | 62.88 | | | | | | |

Handwritten mark resembling 'M'

=====
 Element: As Seq. No.: 31 AS Loc.: 2 Date: 08/15/2006
 Sample ID: BH61418-bs1 x20
 µL dispensed: 10 from 148, 5 from 147, 15 from 2
 =====

| Repl # | SampleConc µg/L | StndConc µg/L | Blncorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time | Peak Stored |
|--------|-----------------|---------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1 | 22.5 | 22.5 | 0.0749 | 0.0748 | 0.1800 | 0.0449 | 0.0518 | 12:38:24 | Yes |

As



 BH61418-bs1 x20
 (Replicate 1)
 (AA)

 BH61418-bs1 x20
 (Replicate 1)
 (BG)

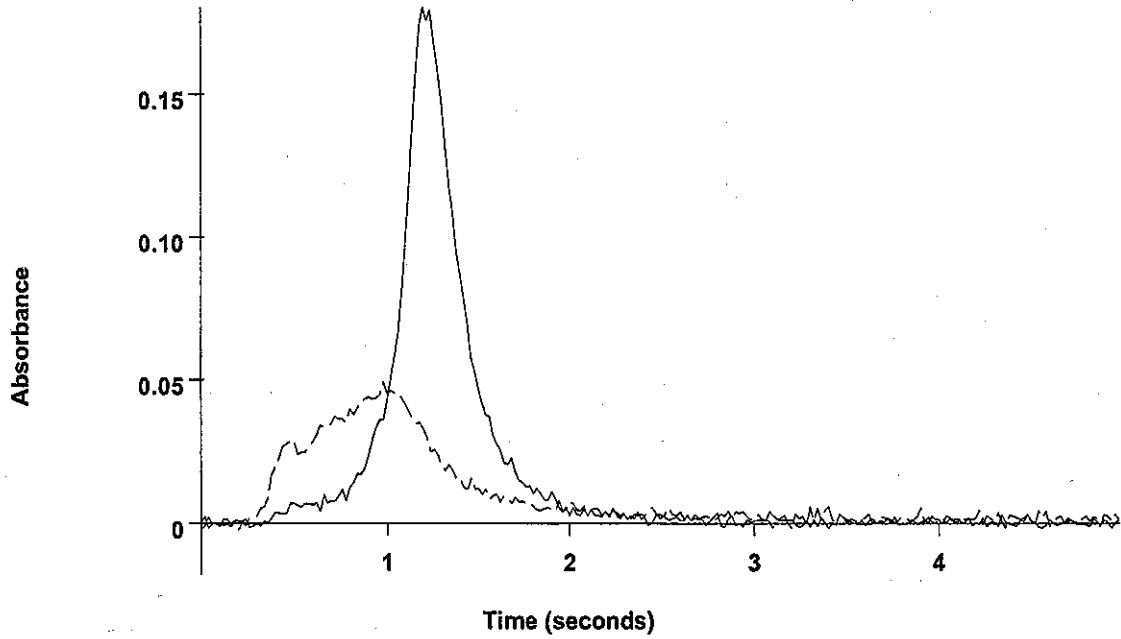
| | | | | | | | | | |
|-------|------|------|--------|--------|--------|--------|--------|----------|-----|
| 2 | 21.6 | 21.6 | 0.0718 | 0.0718 | 0.1733 | 0.0394 | 0.0476 | 12:41:14 | Yes |
| Mean: | 22.1 | 22.1 | 0.0733 | | | | | | |
| SD : | 0.65 | 0.65 | 0.0021 | | | | | | |
| %RSD: | 2.94 | 2.94 | 2.92 | | | | | | |

885

=====
 Element: As Seq. No.: 32 AS Loc.: 3 Date: 08/15/2006
 Sample ID: BH61418-bsd1 x20
 µL dispensed: 10 from 148, 5 from 147, 15 from 3
 =====

| Repl # | SampleConc µg/L | StndConc µg/L | BlnkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time | Peak Stored |
|--------|-----------------|---------------|-----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1 | 23.0 | 23.0 | 0.0763 | 0.0763 | 0.1805 | 0.0458 | 0.0492 | 12:44:04 | Yes |

As



BH61418-bsd1 x20
 (Replicate 1)
 (AA)

BH61418-bsd1 x20
 (Replicate 1)
 (BG)

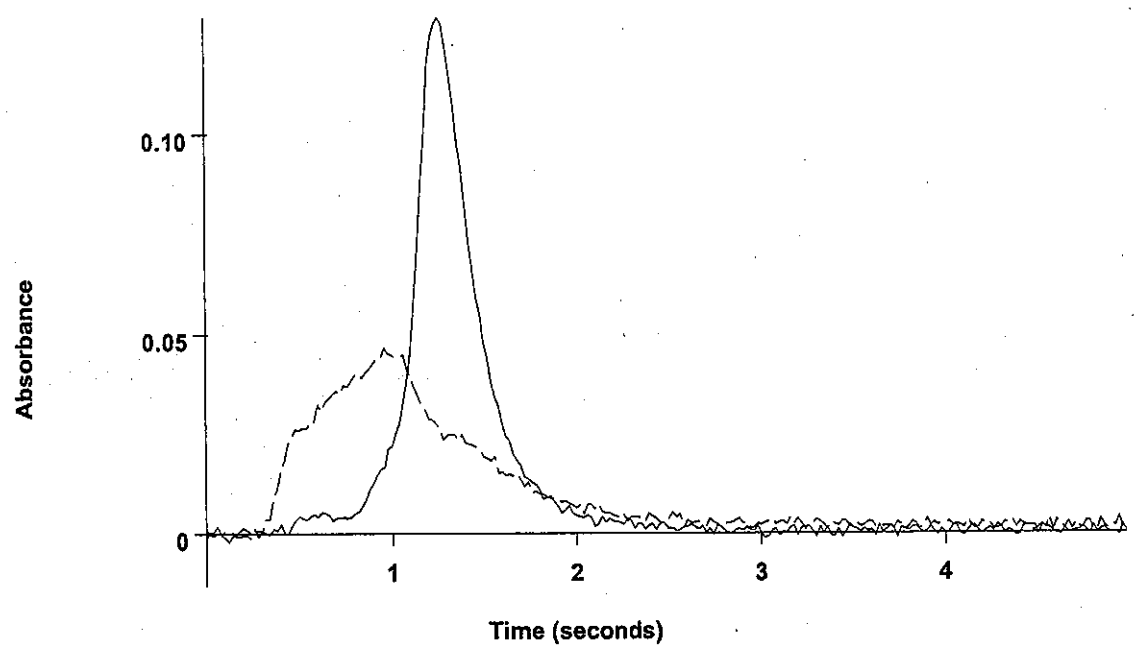
| | | | | | | | | | |
|-------|------|------|--------|--------|--------|--------|--------|----------|-----|
| 2 | 22.4 | 22.4 | 0.0746 | 0.0746 | 0.1946 | 0.0377 | 0.0450 | 12:46:55 | Yes |
| Mean: | 22.7 | 22.7 | 0.0754 | | | | | | |
| SD : | 0.37 | 0.37 | 0.0012 | | | | | | |
| %RSD: | 1.63 | 1.63 | 1.62 | | | | | | |

9/5

 Element: As Seq. No.: 33 AS Loc.: 4 Date: 08/15/2006
 Sample ID: BH61418-srml x50
 µL dispensed: 10 from 148, 5 from 147, 15 from 4

| Repl # | SampleConc µg/L | StndConc µg/L | BlkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time | Peak Stored |
|--------|-----------------|---------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1 | 17.0 | 17.0 | 0.0565 | 0.0565 | 0.1292 | 0.0505 | 0.0467 | 12:49:45 | Yes |

As



—————
 BH61418-srm1 x50
 (Replicate 1)
 (AA)
 - - - - -
 BH61418-srm1 x50
 (Replicate 1)
 (BG)

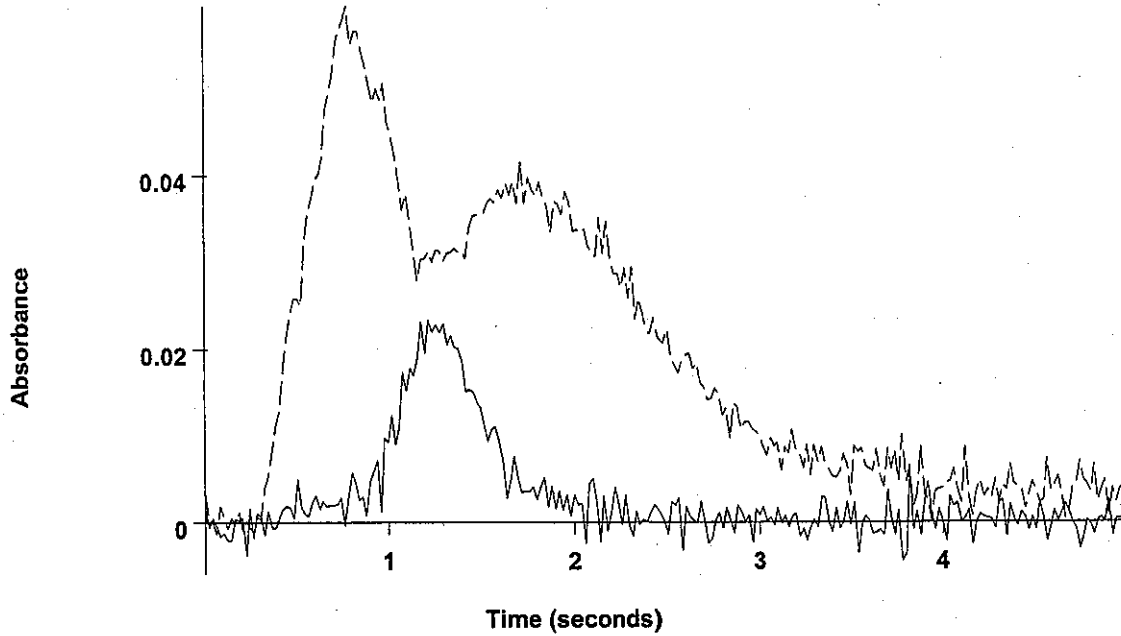
| | | | | | | | | | |
|-------|------|------|--------|--------|--------|--------|--------|----------|-----|
| 2 | 16.4 | 16.4 | 0.0545 | 0.0545 | 0.1258 | 0.0461 | 0.0464 | 12:52:35 | Yes |
| Mean: | 16.7 | 16.7 | 0.0555 | | | | | | |
| SD : | 0.43 | 0.43 | 0.0014 | | | | | | |
| %RSD: | 2.56 | 2.56 | 2.53 | | | | | | |

$$\frac{16.7 (50)(100)}{1000} = 23.5$$

=====
 Element: As Seq. No.: 34 AS Loc.: 5 Date: 08/15/2006
 Sample ID: 0608248-09 x5
 µL dispensed: 10 from 148, 5 from 147, 15 from 5

| Repl # | SampleConc µg/L | StndConc µg/L | BlnkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time | Peak Stored |
|--------|-----------------|---------------|-----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1 | 4.2 | 4.2 | 0.0145 | 0.0144 | 0.0234 | 0.0943 | 0.0595 | 12:55:25 | Yes |

As



0608248-09 x5
(Replicate 1)
(AA)
0608248-09 x5
(Replicate 1)
(BG)

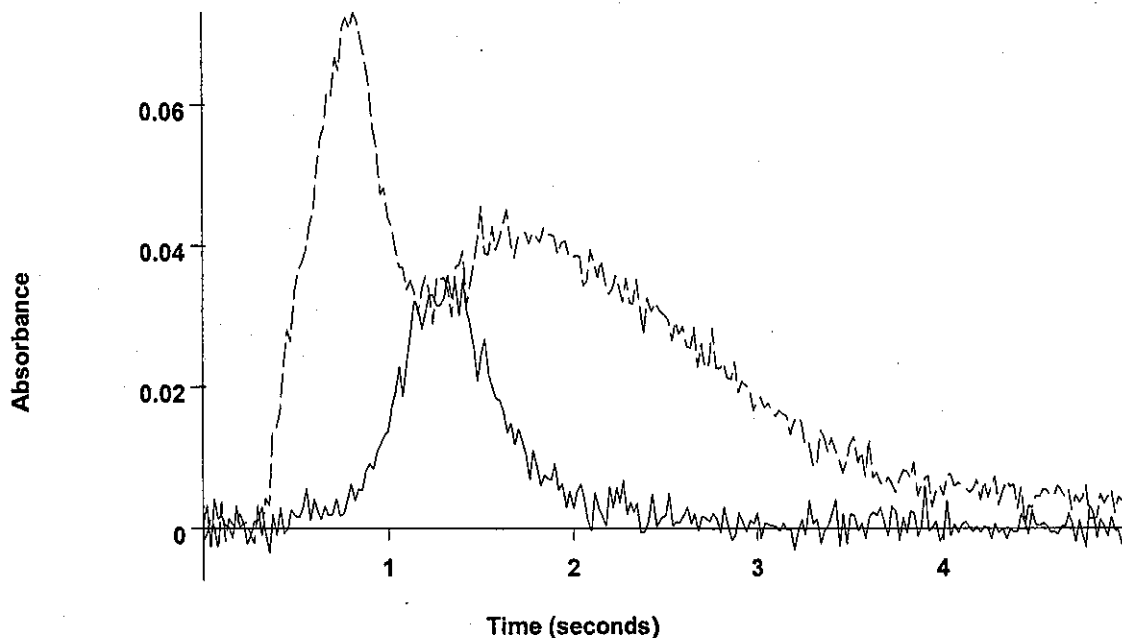
| | | | | | | | | | |
|-------|------|------|--------|--------|--------|--------|--------|----------|-----|
| 2 | 4.1 | 4.1 | 0.0141 | 0.0141 | 0.0235 | 0.0960 | 0.0610 | 12:58:16 | Yes |
| Mean: | 4.2 | 4.2 | 0.0143 | | | | | | |
| SD : | 0.08 | 0.08 | 0.0003 | | | | | | |
| %RSD: | 1.82 | 1.82 | 1.75 | | | | | | |

(Handwritten mark)

=====
Element: As Seq. No.: 35 AS Loc.: 6 Date: 08/15/2006
Sample ID: 0608248-10 x5
µL dispensed: 10 from 148, 5 from 147, 15 from 6
=====

| Repl # | SampleConc µg/L | StndConc µg/L | BlnkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time | Peak Stored |
|--------|-----------------|---------------|-----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1 | 7.6 | 7.6 | 0.0256 | 0.0256 | 0.0358 | 0.1140 | 0.0730 | 01:01:08 | Yes |

As



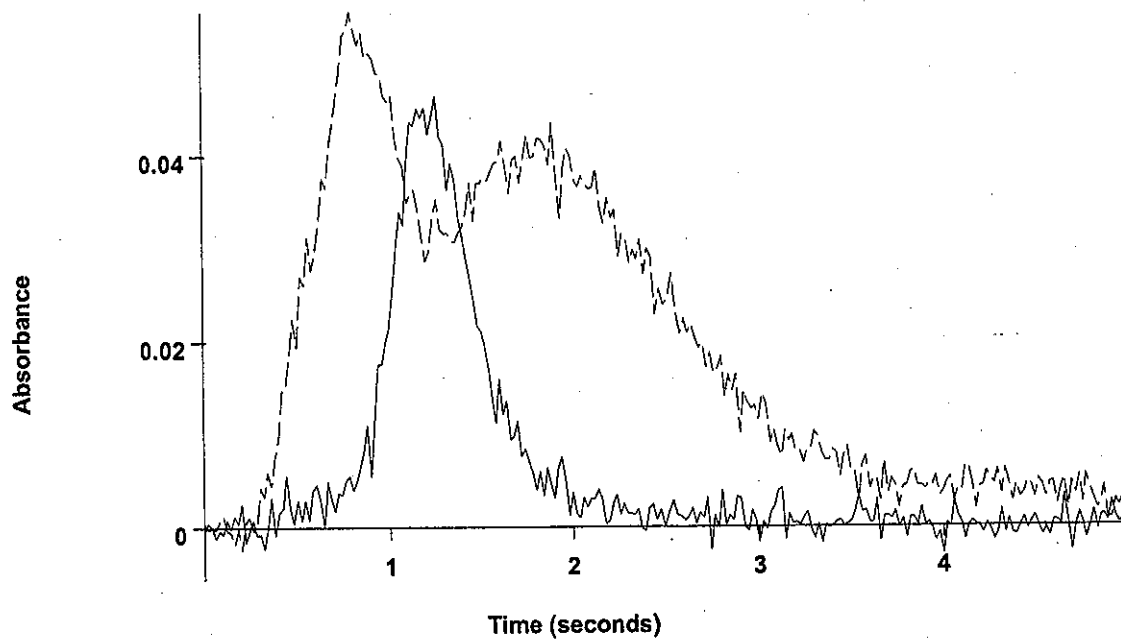
0608248-10 x5
(Replicate 1)
(AA)
0608248-10 x5
(Replicate 1)
(BG)

| | | | | | | | | | |
|-------|------|------|--------|--------|--------|--------|--------|----------|-----|
| 2 | 7.4 | 7.4 | 0.0248 | 0.0248 | 0.0352 | 0.1091 | 0.0682 | 01:03:59 | Yes |
| Mean: | 7.5 | 7.5 | 0.0252 | | | | | | |
| SD : | 0.18 | 0.18 | 0.0006 | | | | | | |
| %RSD: | 2.47 | 2.47 | 2.42 | | | | | | |

=====
 Element: As Seq. No.: 36 AS Loc.: 7 Date: 08/15/2006
 Sample ID: 0608248-11 x5
 µL dispensed: 10 from 148, 5 from 147, 15 from 7
 =====

| Repl # | SampleConc µg/L | StndConc µg/L | BlnkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time | Peak Stored |
|--------|-----------------|---------------|-----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1 | 8.4 | 8.4 | 0.0283 | 0.0283 | 0.0463 | 0.0967 | 0.0555 | 01:06:49 | Yes |

As



0608248-11 x5
(Replicate 1)
(AA)

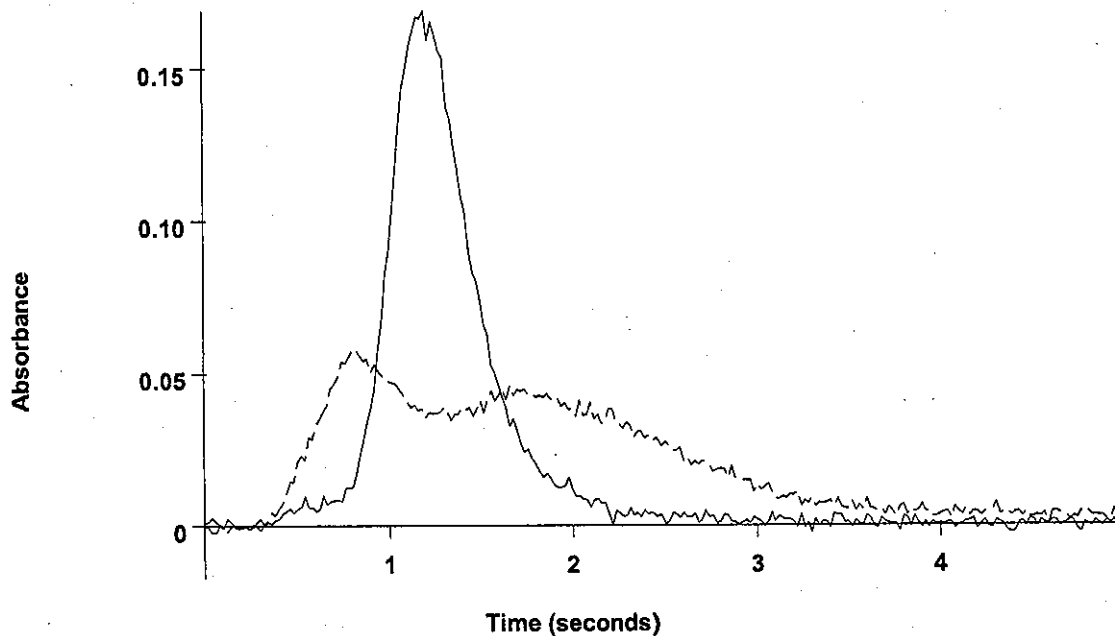
0608248-11 x5
(Replicate 1)
(BG)

| | | | | | | | | | |
|-------|------|------|--------|--------|--------|--------|--------|----------|-----|
| 2 | 7.9 | 7.9 | 0.0266 | 0.0266 | 0.0461 | 0.0982 | 0.0536 | 01:09:41 | Yes |
| Mean: | 8.2 | 8.2 | 0.0274 | | | | | | |
| SD : | 0.36 | 0.36 | 0.0012 | | | | | | |
| %RSD: | 4.44 | 4.44 | 4.35 | | | | | | |

=====
 Element: As Seq. No.: 37 AS Loc.: 7 Date: 08/15/2006
 Sample ID: 0608248-11 x5
 µL dispensed: 4 from 148, 5 from 147, 6 from 131, 15 from 7
 =====

| Repl # | SampleConc µg/L | StndConc µg/L | BlnkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time | Peak Stored |
|--------|-----------------|---------------|-----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1 | 29.8 | 29.8 | 0.0988 | 0.0988 | 0.1689 | 0.1015 | 0.0579 | 01:12:40 | Yes |

As



 0608248-11 x5
 (Replicate 1)
 (AA)

 0608248-11 x5
 (Replicate 1)
 (BG)

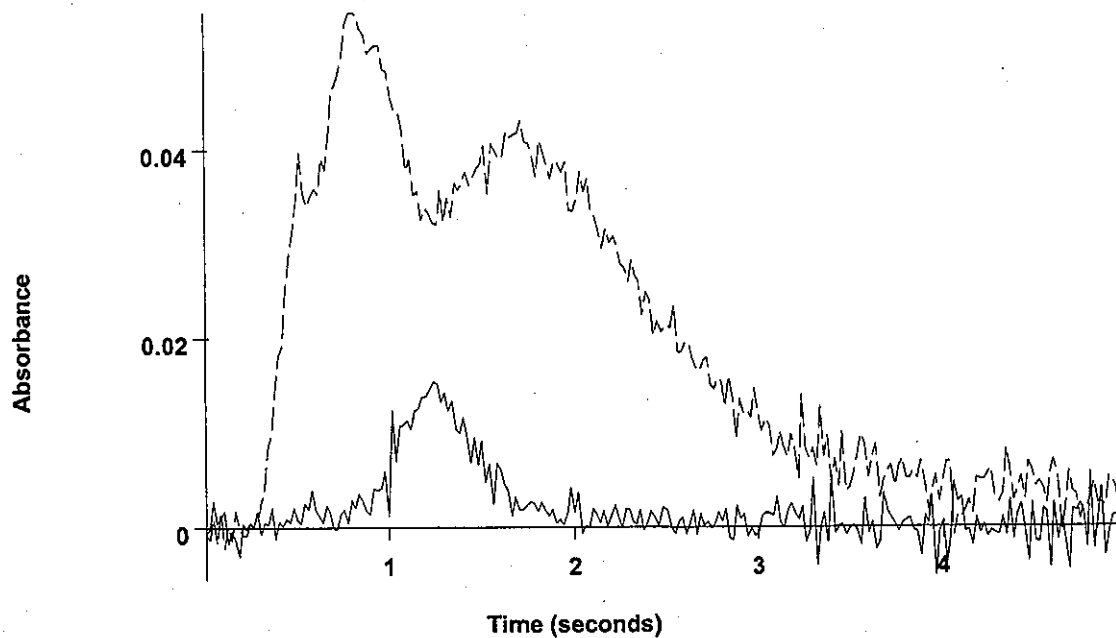
| | | | | | | | | | |
|-------|------|------|--------|--------|--------|--------|--------|----------|-----|
| 2 | 29.7 | 29.7 | 0.0984 | 0.0984 | 0.1611 | 0.0956 | 0.0589 | 01:15:38 | Yes |
| Mean: | 29.7 | 29.7 | 0.0986 | | | | | | |
| SD : | 0.08 | 0.08 | 0.0003 | | | | | | |
| %RSD: | 0.28 | 0.28 | 0.28 | | | | | | |

Recovery for As = 107.9 % within 85 % to 115 %

=====
 Element: As Seq. No.: 38 AS Loc.: 8 Date: 08/15/2006
 Sample ID: BH61418-dup2 x5
 µL dispensed: 10 from 148, 5 from 147, 15 from 8
 =====

| Repl # | SampleConc µg/L | StndConc µg/L | Blncorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time | Peak Stored |
|--------|-----------------|---------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1 | 2.8 | 2.8 | 0.0097 | 0.0097 | 0.0153 | 0.0975 | 0.0545 | 01:18:28 | Yes |

As



—————
 BH61418-dup2 x5
 (Replicate 1)
 (AA)
 - - - - -
 BH61418-dup2 x5
 (Replicate 1)
 (BG)

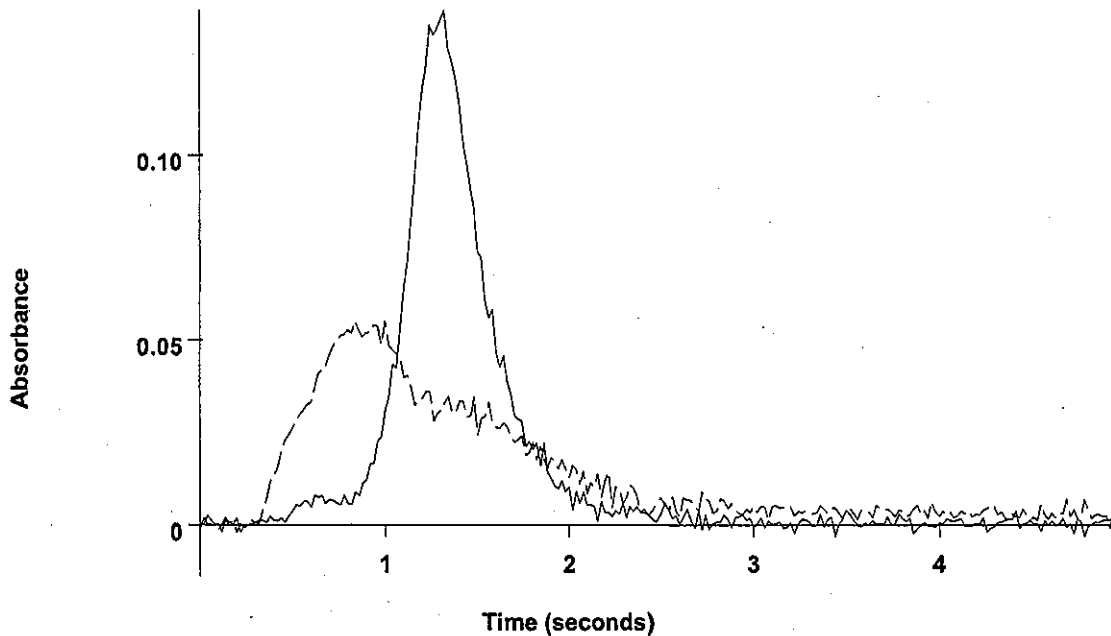
| | | | | | | | | | |
|-------|------|------|--------|--------|--------|--------|--------|----------|-----|
| 2 | 2.9 | 2.9 | 0.0101 | 0.0101 | 0.0156 | 0.0972 | 0.0537 | 01:21:19 | Yes |
| Mean: | 2.9 | 2.9 | 0.0099 | | | | | | |
| SD : | 0.10 | 0.10 | 0.0003 | | | | | | |
| %RSD: | 3.39 | 3.39 | 3.21 | | | | | | |

Handwritten signature

=====
 Element: As Seq. No.: 39 AS Loc.: 9 Date: 08/15/2006
 Sample ID: BH61418-ms2 x20
 µL dispensed: 10 from 148, 5 from 147, 15 from 9
 =====

| Repl # | SampleConc µg/L | StndConc µg/L | BlkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time | Peak Stored |
|--------|-----------------|---------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1 | 22.2 | 22.2 | 0.0737 | 0.0737 | 0.1393 | 0.0686 | 0.0550 | 01:24:10 | Yes |

As



BH61418-ms2 x20
(Replicate 1)
(AA)

BH61418-ms2 x20
(Replicate 1)
(BG)

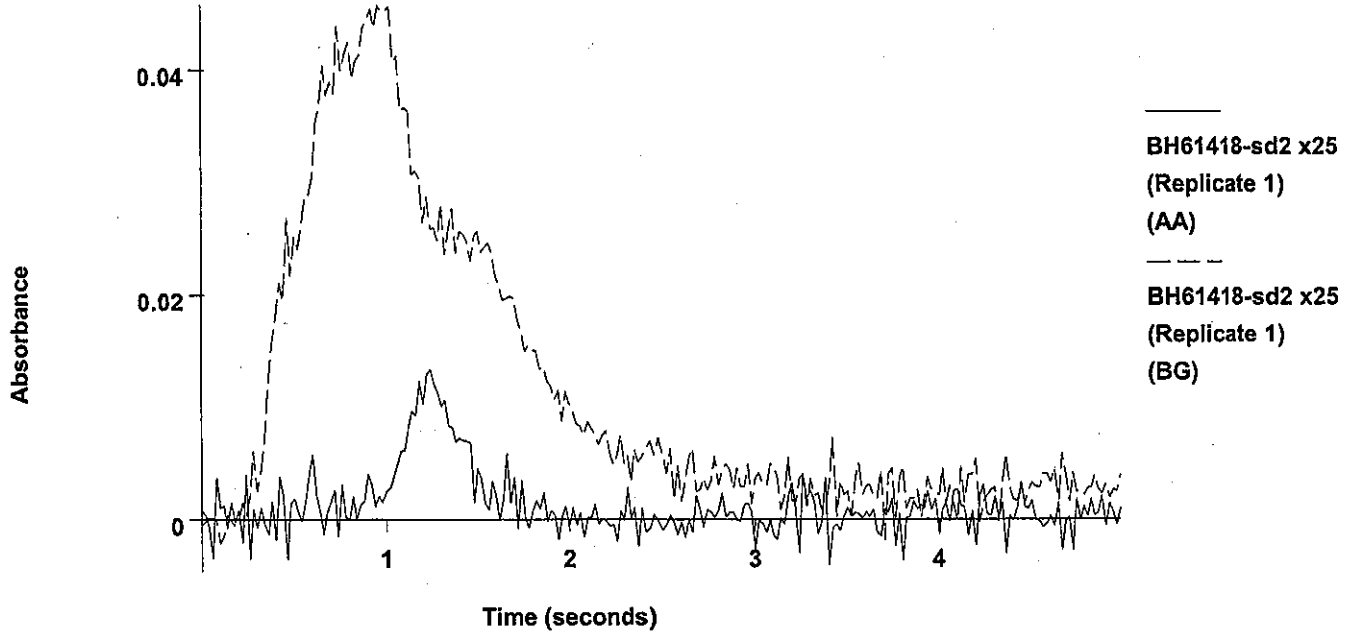
| | | | | | | | | | |
|-------|------|------|--------|--------|--------|--------|--------|----------|-----|
| 2 | 22.2 | 22.2 | 0.0737 | 0.0737 | 0.1558 | 0.0672 | 0.0522 | 01:27:00 | Yes |
| Mean: | 22.2 | 22.2 | 0.0737 | | | | | | |
| SD : | 0.00 | 0.00 | 0.0000 | | | | | | |
| %RSD: | 0.00 | 0.00 | 0.00 | | | | | | |

$22.2(20) - 8.2(5)$
500 = 815

=====
Element: As Seq. No.: 40 AS Loc.: 10 Date: 08/15/2006
Sample ID: BH61418-sd2 x25
µL dispensed: 10 from 148, 5 from 147, 15 from 10
=====

| Repl # | SampleConc µg/L | StndConc µg/L | BlnkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time | Peak Stored |
|--------|-----------------|---------------|-----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1 | 1.8 | 1.8 | 0.0065 | 0.0065 | 0.0133 | 0.0568 | 0.0457 | 01:29:51 | Yes |

As



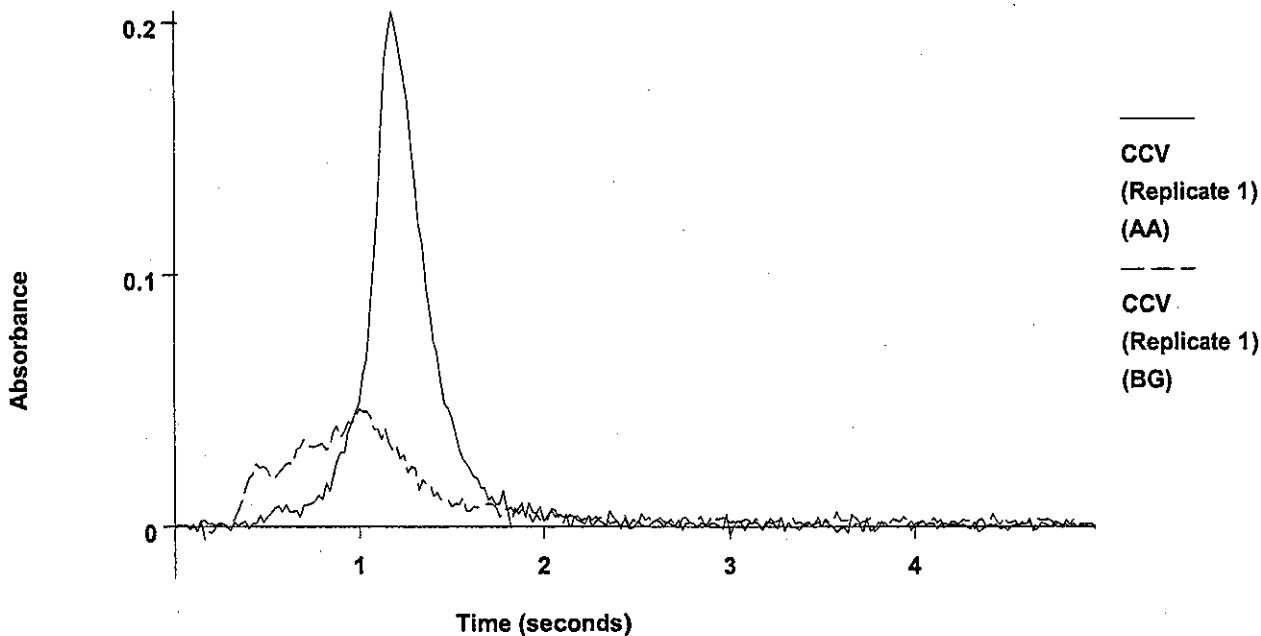
| | | | | | | | | | |
|-------|------|------|--------|--------|--------|--------|--------|----------|-----|
| 2 | 2.1 | 2.1 | 0.0074 | 0.0074 | 0.0163 | 0.0544 | 0.0465 | 01:32:43 | Yes |
| Mean: | 1.9 | 1.9 | 0.0069 | | | | | | |
| SD : | 0.19 | 0.19 | 0.0006 | | | | | | |
| %RSD: | 9.73 | 9.73 | 9.01 | | | | | | |

Handwritten mark resembling a stylized 'M' or 'W'.

=====
 Element: As Seq. No.: 41 AS Loc.: 126 Date: 08/15/2006
 Sample ID: CCV
 µL dispensed: 10 from 148, 5 from 147, 15 from 126
 =====

| Repl # | SampleConc µg/L | StndConc µg/L | BlnkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time | Peak Stored |
|--------|-----------------|---------------|-----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1 | 23.6 | 23.6 | 0.0785 | 0.0784 | 0.2045 | 0.0414 | 0.0469 | 01:35:36 | Yes |

As

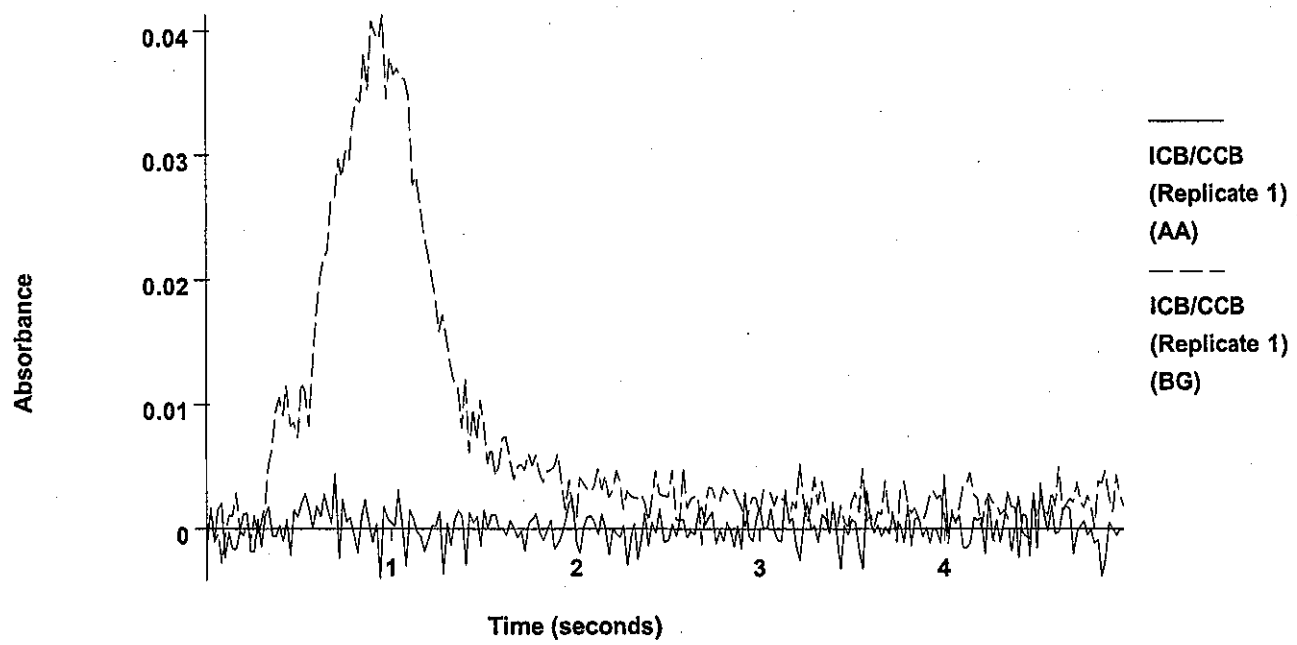


2 24.9 24.9 0.0827 0.0827 0.2018 0.0444 0.0453 01:38:30 Yes
 Mean: 24.3 24.3 0.0806
 SD : 0.90 0.90 0.0030
 %RSD: 3.72 3.72 3.70
 QC value within specified limits.

=====
 Element: As Seq. No.: 42 AS Loc.: 148 Date: 08/15/2006
 Sample ID: ICB/CCB
 µL dispensed: 10 from 148, 5 from 147, 15 from 148
 =====

| Repl # | SampleConc µg/L | StdConc µg/L | Blncorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time | Peak Stored |
|--------|-----------------|--------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1 | 0.0 | 0.0 | 0.0005 | 0.0005 | 0.0044 | 0.0343 | 0.0413 | 01:41:21 | Yes |

As



| | | | | | | | | | |
|-------|------|------|--------|--------|--------|--------|--------|----------|-----|
| 2 | 0.4 | 0.4 | 0.0018 | 0.0018 | 0.0044 | 0.0328 | 0.0386 | 01:44:11 | Yes |
| Mean: | 0.2 | 0.2 | 0.0011 | | | | | | |
| SD : | 0.27 | 0.27 | 0.0009 | | | | | | |
| %RSD: | 141 | 141 | 78.52 | | | | | | |

QC value within specified limits.

=====
 Element: As Seq. No.: 43 AS Loc.: 11 Date: 08/15/2006
 Sample ID: 0607347-18 x10
 µL dispensed: 10 from 148, 5 from 147, 15 from 11
 =====

| Repl # | SampleConc µg/L | StndConc µg/L | BlkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time | Peak Stored |
|--------|-----------------|---------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1 | 38.2 | 38.2 | 0.1266 | 0.1265 | 0.2842 | 0.0421 | 0.0424 | 01:47:02 | Yes |

Metals Logbooks

PREPARATION BATCH SUMMARY

7060A

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Batch: BH61418 Batch Matrix: Solid

Preparation: 3050B

| SAMPLE NAME | LAB SAMPLE ID | LAB FILE ID | DATE PREPARED | OBSERVATIONS |
|-------------|---------------|--------------|----------------|--|
| SS-SI70 B1 | 0608248-09 | 081506ya-033 | 08/14/06 14:45 | Data Package |
| SS-SI77 B1 | 0608248-10 | 081506ya-034 | 08/14/06 14:45 | Data Package |
| Vertex Fill | 0608248-11 | 081506ya-035 | 08/14/06 14:45 | Data Package |
| Blank | BH61418-BLK1 | 081506ya-029 | 08/14/06 14:45 | |
| Blank | BH61418-BLK3 | 081506ya-029 | 08/14/06 14:45 | |
| LCS | BH61418-BS1 | 081506ya-030 | 08/14/06 14:45 | |
| LCS | BH61418-BS3 | 081506ya-030 | 08/14/06 14:45 | |
| LCS Dup | BH61418-BSD1 | 081506ya-031 | 08/14/06 14:45 | |
| LCS Dup | BH61418-BSD3 | 081506ya-031 | 08/14/06 14:45 | |
| Vertex Fill | BH61418-DUP2 | 081506ya-036 | 08/14/06 14:45 | |
| Vertex Fill | BH61418-DUP6 | 081506ya-036 | 08/14/06 14:45 | |
| Vertex Fill | BH61418-MS2 | 081506ya-037 | 08/14/06 14:45 | |
| Vertex Fill | BH61418-MS6 | 081506ya-037 | 08/14/06 14:45 | |
| Vertex Fill | BH61418-PS6 | | 08/14/06 14:45 | [Spk] 1.78g->100ml; 2ml->10ml; Spiked 0.015ml |
| Reference | BH61418-SRM1 | 081506ya-032 | 08/14/06 14:45 | |
| Reference | BH61418-SRM4 | 081506ya-032 | 08/14/06 14:45 | |

DATE: 8/15/06
 ANALYTE: Tl As Pb
 ANALYST: SP
 SIF: 081926YA
 RDS: 081926YAD

Pd Modifier: W16060727A
W16060516F 8/15/06
 NH4 Modifier: W16060626B

| # | SAMPLE ID | DIL | ELEMENTS | # | SAMPLE ID | DIL | ELEMENTS |
|----|-----------------------------|-----|----------|----|------------------------|---------|----------|
| 1 | STD 2 - BH61418-BIL | | AS Tl | 45 | | | |
| 2 | STD 3 - BSI x 20 | | | 46 | | | |
| 3 | STD 4 - BSDI x 20 | | | 47 | | | |
| 4 | STD 5 - SUM x 50 | | | 48 | | | |
| 5 | Recovery Std 50* 0608248-09 | | | 49 | | | |
| 6 | CV - -10 | | | 50 | | | |
| 7 | STD 2.0 - 11 | | | 51 | | | |
| 8 | BH61418-d.p2 | | | 52 | | | |
| 9 | -MSZ | | | 53 | | | |
| 10 | -SDZ | | AS Tl | 54 | | | |
| 11 | 0607347-18x10 | | AS | 55 | | | |
| 12 | 0608227-01 dia | | Pb | 56 | | | |
| 13 | 0608230-01 dia | | | 57 | | | |
| 14 | -01 dia | | | 58 | | | |
| 15 | -03 dia | | | 59 | | | |
| 16 | -04 dia | | | 60 | | | |
| 17 | -05 dia | | | 61 | | | |
| 18 | BH61706-d.p1 | | | 62 | | | |
| 19 | -SD1 | | | 63 | | | |
| 20 | -PDS1 | | Pb | 64 | | | |
| 21 | BH61701-BIL | | AS Pb | 65 | | | |
| 22 | -BSZ | | | 66 | | | |
| 23 | -BSDZ | | | 67 | | | |
| 24 | 0608223-01 | | | 68 | | | |
| 25 | -02 | | | 69 | | | |
| 26 | -03 | | | 70 | | | |
| 27 | -05 | | AS Pb | 71 | | | |
| 28 | BH61109-BIL | | AS | 72 | | | |
| 29 | -BSI x 20 | | | 73 | | | |
| 30 | -BSDI x 20 | | | 74 | | | |
| 31 | -SUM x 50 | | | 75 | | | |
| 32 | 0608278-01x5 | | | 76 | | | |
| 33 | 0608239-01 | | | 77 | | | |
| 34 | BH61701-d.p2 | | | 78 | | | |
| 35 | -MSZ | | | 79 | 121 STDZ | 6H1SD11 | All |
| 36 | -SDZx5 | | AS | 80 | 124 SDS3 | 6H1SD12 | |
| 37 | | | | 81 | 126 SD4 | 6H1SD13 | |
| 38 | | | | 82 | 129 SDS | 6H1SD14 | |
| 39 | | | | 83 | 131 Recovery StdSD | 6H1SD17 | |
| 40 | | | | 84 | 134 CV | 6H1SD15 | |
| 41 | | | | 85 | 136 CIA 2.0 | 6H1SD16 | All |
| 42 | | | | 86 | Ammonium Phosphate Mod | | Pb |
| 43 | | | | 87 | Palladium Modifier | | AS Tl |
| 44 | | | | 88 | Std1/CCB | | All |

*Recovery standard is second source
 CONTROL# 30.0036-0601A

Page: _____

ESS LABORATORY METALS PREP LOGBOOK

ANALYST: VMS
 DATE: 8/1/04
 TIME: 1:14 PM
 Batch ID: 684498-07

HNO₃ Reagent - AR#: 060800B
 1:1 HCl Reagent- WR#: 060800B
 1:1 HNO₃ Reagent- WR#: 060707F
 H₂O₂ Reagent- AR#: 060800B

Hot Plate Temp (°C)
 #3 #2 95

| Sample ID | matrix | pH | Initial wg/vol | Final wg/vol | QC ID/Lot # | QC wg/vol | Method | Hot Plate Number | Comments |
|-----------|--------|----|-------------------|-----------------|-------------|--------------|--------|---------------------|----------|
| 08228-01 | S | ~ | 1.00 | 1.00 | 6501057 | 0.501 | 300 | 105 #2 | |
| 08228-02 | S | ~ | 1.03 | 1.03 | 6501057 | 0.501 | | | |
| 08228-03 | S | ~ | 1.75 | 1.75 | 6501057 | | | | |
| 08228-04 | S | ~ | 1.73 | 1.73 | 6501057 | | | | |
| 08228-05 | S | ~ | 1.83 | 1.83 | 6501057 | | | | |
| 08228-06 | S | ~ | 1.85 | 1.85 | 6501057 | | | | |
| 08228-07 | S | ~ | 1.88 | 1.88 | 6501057 | | | | |
| 08228-08 | S | ~ | 1.73 | 1.73 | 6501057 | | | | |
| 08228-09 | S | ~ | 1.81 | 1.81 | 6501057 | | | | |
| 08228-10 | S | ~ | 1.78 | 1.78 | 6501057 | | | | |
| 08228-11 | S | ~ | 1.75 | 1.75 | 6501057 | | | | |
| 08228-12 | S | ~ | 1.77 | 1.77 | 6501057 | | | | |
| 08228-13 | S | ~ | 1.86 | 1.86 | 6501057 | | | | |
| 08228-14 | S | ~ | 1.76 | 1.76 | 6501057 | | | | |

MATRIX KEY: AQ = AQUEOUS, S = SOIL, O = OIL, F = FILTER, D = SLUDGE

HOLDING TIME SUMMARY

7060A

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

| Sample Name | Date Collected | Date Received | Date Prepared | Days to Prep | Max Days to Prep | Date Analyzed | Days to Analysis | Max Days to Analysis | Q |
|-------------|-------------------|-------------------|-------------------|--------------|------------------|-------------------|------------------|----------------------|---|
| SS-SI70 B1 | 08/14/06 13:30 | 08/14/06 14:15 | 08/14/06 14:45 | 0.05 | 180.00 | 08/15/06 12:58 | 0.98 | 180.00 | |
| SS-SI77 B1 | 08/14/06 13:40 | 08/14/06 14:15 | 08/14/06 14:45 | 0.05 | 180.00 | 08/15/06 13:03 | 0.97 | 180.00 | |
| Vertex Fill | 08/14/06 14:00 | 08/14/06 14:15 | 08/14/06 14:45 | 0.03 | 180.00 | 08/15/06 13:09 | 0.97 | 180.00 | |

Metals Data Package

Metals Sample Data

ESS Laboratory

SDG: 0608248

CLASS: METALS

METHOD: 7471A

ANALYSES DATA PACKAGE COVER PAGE

7471A

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Client Sample Id:

SS-SI70 B1

SS-SI77 B1

Vertex Fill

Lab Sample Id:

0608248-09

0608248-10

0608248-11

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures.

Signature: _____

Name: _____

Date: _____

Title: _____

METHOD DETECTION AND REPORTING LIMITS

7471A

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Solid

Instrument: HG1

| Analyte | MDL | MRL | Units |
|---------|-------|-------|-------|
| Mercury | 0.007 | 0.033 | mg/kg |

INORGANIC ANALYSIS DATA SHEET

7471A

SS-SI70 B1

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Soil

Laboratory ID: 0608248-09

File ID: 081506AD-016

Sampled: 08/14/06 13:30

Prepared: 08/14/06 15:00

Analyzed: 08/15/06 10:45

Solids: 93.00

Preparation: 7471A

Initial/Final: 0.67 g / 40 ml

Batch: BH61409

Sequence:

BPH0302

Calibration: UNASSIGNED

Instrument: HG1

| CAS NO. | Analyte | Concentration (mg/kg dry) | Dilution Factor | Q | Method |
|-----------|---------|------------------------------|--------------------|---|--------|
| 7439-97-6 | Mercury | 0.043 | 1 | | 7471A |

INORGANIC ANALYSIS DATA SHEET

SS-SI77 B1

7471A

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Soil

Laboratory ID: 0608248-10

File ID: 081506AD-017

Sampled: 08/14/06 13:40

Prepared: 08/14/06 15:00

Analyzed: 08/15/06 10:47

Solids: 94.00

Preparation: 7471A

Initial/Final: 0.64 g / 40 ml

Batch: BH61409

Sequence:

BPH0302

Calibration: UNASSIGNED

Instrument: HG1

| CAS NO. | Analyte | Concentration (mg/kg dry) | Dilution Factor | Q | Method |
|-----------|---------|------------------------------|--------------------|---|--------|
| 7439-97-6 | Mercury | 0.174 | 1 | | 7471A |

INORGANIC ANALYSIS DATA SHEET

7471A

Vertex Fill

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Soil

Laboratory ID: 0608248-11

File ID: 081506AD-018

Sampled: 08/14/06 14:00

Prepared: 08/14/06 15:00

Analyzed: 08/15/06 10:49

Solids: 99.00

Preparation: 7471A

Initial/Final: 0.63 g / 40 ml

Batch: BH61409

Sequence:

BPH0302

Calibration: UNASSIGNED

Instrument: HG1

| CAS NO. | Analyte | Concentration (mg/kg dry) | Dilution Factor | Q | Method |
|-----------|---------|------------------------------|--------------------|---|--------|
| 7439-97-6 | Mercury | 0.032 | 1 | U | 7471A |

Metals
Quality Control Data

DUPLICATES

Vertex Fill

7471A

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Solid

Laboratory ID: BH61409-DUP1

Batch: BH61409

Lab Source ID: 0608248-11

Preparation: 7471A

Initial/Final: 0.61 g / 40 ml

Source Sample Name: Vertex Fill

% Solids: 99.00

| ANALYTE | CONTROL LIMIT | SAMPLE CONCENTRATION (mg/kg dry) | C | DUPLICATE CONCENTRATION (mg/kg dry) | C | RPD % | Q | METHOD |
|---------|---------------|----------------------------------|---|-------------------------------------|---|-------|---|--------|
| Mercury | 35 | ND | | ND | | | | 7471A |

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Vertex Fill

7471A

| | |
|--|--|
| Laboratory: <u>ESS Laboratory</u> | SDG: <u>0608248</u> |
| Client: <u>MACTEC Engineering & Consulting, Inc.</u> | Project: <u>Providence Gorham Site</u> |
| Matrix: <u>Solid</u> | |
| Batch: <u>BH61409</u> | Laboratory ID: <u>BH61409-MS1</u> |
| Preparation: <u>7471A</u> | Initial/Final: <u>0.63 g / 40 ml</u> |
| Source Sample Name: <u>Vertex Fill</u> | |

| COMPOUND | SPIKE ADDED (mg/kg dry) | SAMPLE CONCENTRATION (mg/kg dry) | MS CONCENTRATION (mg/kg dry) | MS % REC. # | QC LIMITS REC. |
|----------|----------------------------|-------------------------------------|---------------------------------|----------------|-------------------|
| Mercury | 0.192 | ND | 0.200 | 104 | 75 - 125 |

| COMPOUND | SPIKE ADDED (mg/kg dry) | MSD CONCENTRATION (mg/kg dry) | MSD % REC. # | % RPD # | QC LIMITS | |
|----------|----------------------------|----------------------------------|-----------------|------------|-----------|----------|
| | | | | | RPD | REC. |
| Mercury | 0.184 | 0.189 | 103 | 6 | 35 | 75 - 125 |

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

STANDARD REFERENCE MATERIAL RECOVERY

7471A

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Solid

Batch: BH61409

Laboratory ID: BH61409-SRM1

Preparation: 7471A

Initial/Final: 0.6 g / 40 ml

| ANALYTE | TRUE (mg/kg wet) | FOUND (mg/kg wet) | SRM % REC. | QC LIMITS REC. |
|---------|---------------------|----------------------|------------------|----------------------|
| Mercury | 3.60 | 3.63 | 101 | 68.06 - 131.94 |

* Values outside of QC limits

POST DIGEST SPIKE SAMPLE RECOVERY

Vertex Fill

7471A

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Solid

Laboratory ID: BH61409-PS1

Batch: BH61409

Lab Source ID: 0608248-11

Preparation: 7471A

Initial/Final: 0.1575 g / 10 ml

Source Sample Name: Vertex Fill

% Solids: 99.00

| Analyte | Control Limit %R | Spike Sample Result (SSR) (ug/L) | Sample Result (SR) (ug/L) | Spike Added (SA) (ug/L) | %R |
|---------|------------------|----------------------------------|---------------------------|-------------------------|----|
| Mercury | 85 - 115 | 2.96 | 0.00882 | 3.00 | 98 |

* Values outside of QC limits

SERIAL DILUTION

7471A

Vertex Fill

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Solid

Laboratory ID: BPH0302-SRD1

Sequence: BPH0302

Lab Source ID: 0608248-11

Preparation: BH61409

Initial/Final: 0.63 / 40

Source Sample Name: Vertex Fill

% Solids: 99.00

| Analyte | Initial Sample Result (I) | C | Serial Dilution Result (S) | C | % Difference | Q | Method | QC Limits % Difference |
|---------|---------------------------|---|----------------------------|---|--------------|---|--------|------------------------|
| Mercury | ND | | ND | | | | 7471A | 10 |

* Values outside of QC limits

Metals Calibration Data

ANALYSIS BATCH (SEQUENCE) SUMMARY

7471A

| | | | |
|-------------|--|--------------|-------------------------------|
| Laboratory: | <u>ESS Laboratory</u> | SDG: | <u>0608248</u> |
| Client: | <u>MACTEC Engineering & Consulting, Inc.</u> | Project: | <u>Providence Gorham Site</u> |
| Sequence: | <u>BPH0302</u> | Instrument: | <u>HG1</u> |
| Matrix: | <u>Solid</u> | Calibration: | <u>UNASSIGNED</u> |

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|---------------------|---------------|--------------|--------------------|
| Cal Standard | BPH0302-CAL1 | 081506AD-001 | 08/15/06 10:16 |
| Cal Standard | BPH0302-CAL2 | 081506AD-002 | 08/15/06 10:18 |
| Cal Standard | BPH0302-CAL3 | 081506AD-003 | 08/15/06 10:20 |
| Cal Standard | BPH0302-CAL4 | 081506AD-004 | 08/15/06 10:22 |
| Cal Standard | BPH0302-CAL5 | 081506AD-005 | 08/15/06 10:24 |
| Cal Standard | BPH0302-CAL6 | 081506AD-006 | 08/15/06 10:26 |
| Initial Cal Check | BPH0302-ICV1 | 081506AD-007 | 08/15/06 10:28 |
| Secondary Cal Check | BPH0302-SCV1 | 081506AD-008 | 08/15/06 10:30 |
| Initial Cal Blank | BPH0302-ICB1 | 081506AD-009 | 08/15/06 10:32 |
| Blank | BH61409-BLK1 | 081506AD-010 | 08/15/06 10:34 |
| LCS | BH61409-BS1 | 081506AD-011 | 08/15/06 10:35 |
| LCS Dup | BH61409-BSD1 | 081506AD-012 | 08/15/06 10:37 |
| Reference | BH61409-SRM1 | 081506AD-013 | 08/15/06 10:39 |
| SS-SI70 B1 | 0608248-09 | 081506AD-016 | 08/15/06 10:45 |
| SS-SI77 B1 | 0608248-10 | 081506AD-017 | 08/15/06 10:47 |
| Vertex Fill | 0608248-11 | 081506AD-018 | 08/15/06 10:49 |
| Vertex Fill | BH61409-DUP1 | 081506AD-019 | 08/15/06 10:51 |
| Calibration Check | BPH0302-CCV1 | 081506AD-020 | 08/15/06 10:53 |
| Calibration Blank | BPH0302-CCB1 | 081506AD-021 | 08/15/06 10:55 |
| Vertex Fill | BH61409-MS1 | 081506AD-022 | 08/15/06 10:56 |
| Vertex Fill | BH61409-MSD1 | 081506AD-023 | 08/15/06 10:58 |
| Vertex Fill | BPH0302-SRD1 | 081506AD-024 | 08/15/06 11:00 |
| Vertex Fill | BH61409-PS1 | 081506AD-025 | 08/15/06 11:02 |
| Calibration Check | BPH0302-CCV2 | 081506AD-029 | 08/15/06 11:10 |
| Calibration Blank | BPH0302-CCB2 | 081506AD-030 | 08/15/06 11:11 |

BLANKS

7471A

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Instrument ID: HG1

Project: Providence Gorham Site

Sequence: BPH0302

Calibration: UNASSIGNED

| Lab Sample ID | Analyte | Found | MRL | Units | C | Method |
|---------------|---------|---------|-------|-----------|---|--------|
| BPH0302-ICB1 | Mercury | -0.0148 | 0.500 | ug/L | | 7471A |
| BH61409-BLK1 | Mercury | -0.004 | 0.033 | mg/kg wet | | 7471A |
| BPH0302-CCB1 | Mercury | -0.027 | 0.500 | ug/L | | 7471A |
| BPH0302-CCB2 | Mercury | -0.029 | 0.500 | ug/L | | 7471A |

INITIAL AND CONTINUING CALIBRATION CHECK

7471A

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Instrument ID: HG1

Calibration: UNASSIGNED

Control Limit: +/- 10.00%

Sequence: BPH0302

| Lab Sample ID | Analyte | True | Found | %R | Units | Method |
|---------------|---------|------|-------|----|-------|--------|
| BPH0302-ICV1 | Mercury | 3.00 | 2.98 | 99 | ug/L | 7471A |
| BPH0302-CCV1 | Mercury | 3.00 | 2.95 | 98 | ug/L | 7471A |
| BPH0302-CCV2 | Mercury | 3.00 | 2.95 | 98 | ug/L | 7471A |

* Values outside of QC limits

ESS LABORATORY
Data Review Check List for Mercury

Data Review Check List for Mercury

| Project Number(s): 08238-01, [REDACTED], 251 X10 | | Run Date: 8/15/06 | | |
|--|---|-------------------|-----------|------------|
| Batch Number (s): 081506A | | | | |
| SOP Number: 30 2451 or 30 7471A | | | | |
| Review Item | | Yes (X) | No (X) | N/A (X) |
| 1. | Does the daily standard curve consist of a Calibration Blank and the required 5 Calibration Standards? | X | | |
| 2. | Is the CCV standard analyzed immediately after the curve? Does this CCV meet QC limits ($\pm 5\%$ for 245.1 and $\pm 10\%$ for 7470/1A.) | X | | |
| 3. | Is the ICV from a second source and is its percent recovery within QC limits ($\pm 10\%$)? | X | | |
| 4. | Is the method blank run at the required frequency (1 per batch) and not exceed the MRL? | X | | |
| 5. | Is the LCS from a source separate from the calibration standards and is its percent recovery within QC limits ($\pm 15\%$ for 245.1 and $\pm 20\%$ for 7470/1A)? | X | | |
| 6. | Are Matrix Spikes run at the required frequency (1 per ten samples or per analytical batch)? Is the percent recovery for Matrix Spikes within 75-125% (80-120% for USACE/Navy)? | X | | |
| 7. | Are Duplicates run the required frequency (1 per ten samples or per analytical batch)? Is the relative percent difference within QC limits ($\leq 20\%$ for aqueous and $< 35\%$ for soil/sediments ($\leq 20\%$ for USACE))? | T | | |
| 8. | Is the CCV standard (STD3) also analyzed after every tenth sample and at the end of the sample run? Does this CCV meet QC limits ($\pm 10\%$) | X | | |
| 9. | Are all the samples with concentrations greater than the highest standard used for initial calibration reprocessed and reanalyzed? | X | | |
| 10. | Has the serial dilution been analyzed at the required frequency (once per analytical batch) and are results within criterion ($\pm 10\%$ RPD)? | X | | |
| 11. | Has the post dilution spike been analyzed at the required frequency (once per analytical batch) and are results within criterion (85-115%)? | X | | |
| 12. | Are all sample holding times met? | X | | |
| 13. | Are all non-conformances included and noted? | X | | |
| 14. | Are all sample IDs and units checked for transcription errors? | X | | |

Comments on any "No" response:

08251-01, 02, 03 X10

Analyst: SW

Date: 8/15/06 (E)

Second Level Review: Erin E. Rinot

Date: 8/15/06

Control Number: 30.0012-0603A (R. 1 8/2000)

Page _____

Autosampler Loading List

Sample Information File: 081506A.SIF
 Methods: Hg_5ppb Shigh

| Location | Elements | Solution |
|----------|----------|--|
| 0 | Hg | Wash Solution |
| 1 | Hg | Calib Blank |
| | Hg | ICCB: 0.0000 µg/L |
| 2 | Hg | 0.5 ug/L: 0.5 µg/L |
| 3 | Hg | 1.0 ug/L: 1.0 µg/L |
| 4 | Hg | 3.0 ug/L: 3.0 µg/L |
| | Hg | STD 3.0: 3.0000 µg/L |
| 5 | Hg | 5.0 ug/L: 5.0 µg/L |
| 6 | Hg | 10.0 ug/L: 10.0 µg/L |
| 7 | Hg | ICV: 3.0000 µg/L |
| 9 | Hg | Sample: bh61409-blk1 |
| 10 | Hg | Sample: bh61409-bs1 |
| 11 | Hg | Sample: bh61409-bsd1 |
| 12 | Hg | Sample: bh61409-srml x10 |
| 13 | Hg | Sample: bh61409-srm2 x10 |
| 14 | Hg | Sample: 0608238-01 |
| 15 | Hg | Sample: 0608248-09 |
| 16 | Hg | Sample: 0608248-10 |
| 17 | Hg | Sample: 0608248-11 |
| 18 | Hg | Sample: bh61409-dup1 |
| 19 | Hg | Sample: bh61409-ms1 |
| 20 | Hg | Sample: bh61409-msd1 |
| 21 | Hg | Sample: bh61409-sd1 x5 |
| 22 | Hg | Sample: bh61409-pds1 |
| 23 | Hg | Sample: 0608251-01 |
| 24 | Hg | Sample: 0608251-02 dilutions 8/15/06 EEM |
| 25 | Hg | Sample: 0608251-03 |

Autosampler Loading List

Sample Information File: 081506A.SIF
Methods: Hg_5ppb Shigh

| <u>Location</u> | <u>Elements</u> | <u>Solution</u> |
|-----------------|-----------------|------------------------|
| 0 | Hg | Wash Solution |
| 1 | Hg | Calib Blank |
| | Hg | ICCB: 0.0000 µg/L |
| 2 | Hg | 0.5 ug/L: 0.5 µg/L |
| 3 | Hg | 1.0 ug/L: 1.0 µg/L |
| 4 | Hg | 3.0 ug/L: 3.0 µg/L |
| | Hg | STD 3.0: 3.0000 µg/L |
| 5 | Hg | 5.0 ug/L: 5.0 µg/L |
| 6 | Hg | 10.0 ug/L: 10.0 µg/L |
| 7 | Hg | ICV: 3.0000 µg/L |
| 26 | Hg | Sample: 0608251-01 x10 |
| 27 | Hg | Sample: 0608251-02 x10 |
| 28 | Hg | Sample: 0608251-03 x10 |

Method Name: Hg_5ppb Shigh
 Method Description: SnCl/Hg read
 Element: Hg

Date: 08/15/2006
 Technique: FI-MHS
 Calibration Type:
 Hg, Calc. Intercept : Linear
 Wavelength: 253.7 nm
 Sample Info Name: 081506A.SIF

Results Data Set Name: 081506ad

Element: Hg Seq. No.: 1 AS Loc.: 1 Date: 08/15/2006
 Sample ID: Calib Blank

| Repl # | SampleConc µg/L | StndConc µg/L | BlkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|--------|-----------------|---------------|----------------|-----------|-------------|----------|-------------|
| 1 | | | 0.0185 | 0.0185 | 0.0031 | 10:16:24 | Yes |
| 2 | | | 0.0183 | 0.0183 | 0.0030 | 10:16:54 | Yes |
| Mean: | | | 0.0184 | | | | |
| SD : | | | 0.0002 | | | | |
| %RSD: | | | 0.8334 | | | | |

Auto-zero performed.

Element: Hg Seq. No.: 2 AS Loc.: 2 Date: 08/15/2006
 Sample ID: 0.5 ug/L

| Repl # | SampleConc µg/L | StndConc µg/L | BlkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|--------|-----------------|---------------|----------------|-----------|-------------|----------|-------------|
| 1 | | | 0.0646 | 0.0830 | 0.0140 | 10:18:18 | Yes |
| 2 | | | 0.0600 | 0.0784 | 0.0136 | 10:18:47 | Yes |
| Mean: | | | 0.0623 | | | | |
| SD : | | | 0.0032 | | | | |
| %RSD: | | | 5.1523 | | | | |

[Hg] Standard number 1 applied. [0.50]
 Correlation Coefficient: 1.00000 Slope: 0.12463
 Intercept : 0.00000

Element: Hg Seq. No.: 3 AS Loc.: 3 Date: 08/15/2006
 Sample ID: 1.0 ug/L

| Repl # | SampleConc µg/L | StndConc µg/L | BlkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|--------|-----------------|---------------|----------------|-----------|-------------|----------|-------------|
| 1 | | | 0.1233 | 0.1417 | 0.0246 | 10:20:11 | Yes |
| 2 | | | 0.1217 | 0.1401 | 0.0245 | 10:20:41 | Yes |
| Mean: | | | 0.1225 | | | | |
| SD : | | | 0.0011 | | | | |
| %RSD: | | | 0.9171 | | | | |

[Hg] Standard number 2 applied. [1.00]
 Correlation Coefficient: 0.99995 Slope: 0.12254
 Intercept : 0.00035

Element: Hg Seq. No.: 4 AS Loc.: 4 Date: 08/15/2006
 Sample ID: 3.0 ug/L

| Repl # | SampleConc µg/L | StndConc µg/L | BlkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|--------|-----------------|---------------|----------------|-----------|-------------|----------|-------------|
| 1 | | | 0.3593 | 0.3776 | 0.0665 | 10:22:07 | Yes |
| 2 | | | 0.3564 | 0.3748 | 0.0663 | 10:22:36 | Yes |

Mean: 0.3578
 SD : 0.0020
 %RSD: 0.5608
 [Hg] Standard number 3 applied. [3.00]
 Correlation Coefficient: 0.99994 Slope: 0.11888
 Intercept : 0.00194

Element: Hg Seq. No.: 5 AS Loc.: 5 Date: 08/15/2006
 Sample ID: 5.0 ug/L

| Repl # | SampleConc µg/L | StndConc µg/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|--------|-----------------|---------------|-----------------|-----------|-------------|----------|-------------|
| 1 | | | 0.6037 | 0.6221 | 0.1097 | 10:24:02 | Yes |
| 2 | | | 0.6031 | 0.6215 | 0.1099 | 10:24:31 | Yes |
| Mean: | | | 0.6034 | | | | |
| SD : | | | 0.0004 | | | | |
| %RSD: | | | | | | | |

[Hg] Standard number 4 applied. [5.00]
 Correlation Coefficient: 0.99996 Slope: 0.12015
 Intercept : 0.00093

Element: Hg Seq. No.: 6 AS Loc.: 6 Date: 08/15/2006
 Sample ID: 10.0 ug/L

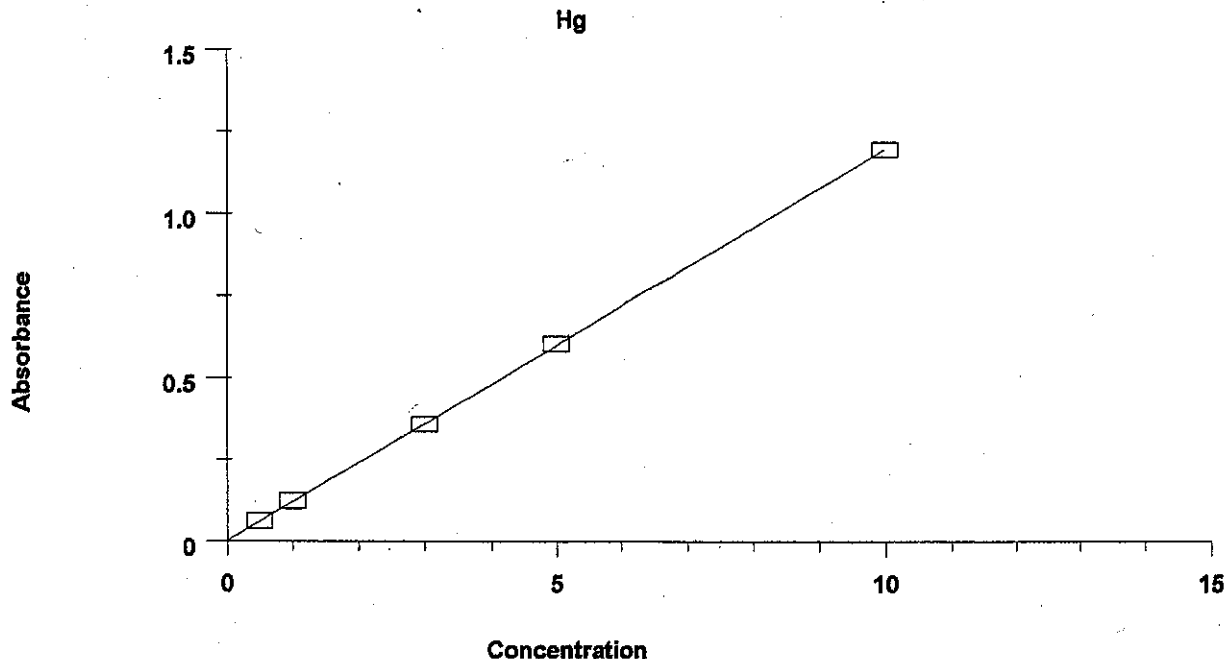
| Repl # | SampleConc µg/L | StndConc µg/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|--------|-----------------|---------------|-----------------|-----------|-------------|----------|-------------|
| 1 | | | 1.1947 | 1.2130 | 0.2134 | 10:25:56 | Yes |
| 2 | | | 1.1918 | 1.2102 | 0.2132 | 10:26:26 | Yes |
| Mean: | | | 1.1933 | | | | |
| SD : | | | 0.0020 | | | | |
| %RSD: | | | 0.1671 | | | | |

[Hg] Standard number 5 applied. [10.00]
 Correlation Coefficient: 0.99998 Slope: 0.11929
 Intercept : 0.00220

Calibration data for Hg

| Standard ID | Mean Signal (Pk Area) | Entered Concentration (µg/L) | Calculated Concentration (µg/L) | Standard Deviation | %RSD |
|--------------------------|-----------------------|------------------------------|---------------------------------|--------------------|--------|
| Calib Blank | 0.0184 | -- | --- | --- | --- |
| 0.5 ug/L | 0.0623 | 0.50 | 0.50 | 0.003 | 5.2 |
| 1.0 ug/L | 0.1225 | 1.00 | 1.01 | 0.001 | 0.9 |
| 3.0 ug/L | 0.3578 | 3.00 | 2.98 | 0.002 | 0.6 |
| 5.0 ug/L | 0.6034 | 5.00 | 5.04 | 0.000 | --- |
| 10.0 ug/L | 1.1933 | 10.00 | 9.98 | 0.002 | 0.2 |
| Calib Blank | 0.0184 | -- | --- | --- | --- |
| Correlation Coefficient: | 0.99998 | Slope: | 0.11929 | Intercept: | 0.0022 |

cal. good



Element: Hg Seq. No.: 7 AS Loc.: 4 Date: 08/15/2006
 Sample ID: STD 3.0

| Repl # | SampleConc µg/L | StndConc µg/L | Blncorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|--------|-----------------|---------------|----------------|-----------|-------------|----------|-------------|
| 1 | 3.00 | 3.00 | 0.3603 | 0.3787 | 0.0664 | 10:27:54 | Yes |
| 2 | 2.96 | 2.96 | 0.3555 | 0.3739 | 0.0662 | 10:28:23 | Yes |
| Mean: | 2.98 | 2.98 | 0.3579 | | | | |
| SD : | 0.028 | 0.028 | 0.0034 | | | | |
| %RSD: | 0.9 | 0.9 | 0.9364 | | | | |

QC value within specified limits. ✓

Element: Hg Seq. No.: 8 AS Loc.: 7 Date: 08/15/2006
 Sample ID: ICV

| Repl # | SampleConc µg/L | StndConc µg/L | Blncorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|--------|-----------------|---------------|----------------|-----------|-------------|----------|-------------|
| 1 | 3.05 | 3.05 | 0.3663 | 0.3847 | 0.0679 | 10:29:50 | Yes |
| 2 | 3.01 | 3.01 | 0.3615 | 0.3799 | 0.0677 | 10:30:20 | Yes |
| Mean: | 3.03 | 3.03 | 0.3639 | | | | |
| SD : | 0.028 | 0.028 | 0.0034 | | | | |
| %RSD: | 0.9 | 0.9 | 0.9214 | | | | |

QC value within specified limits. ✓

Element: Hg Seq. No.: 9 AS Loc.: 1 Date: 08/15/2006
 Sample ID: ICCB

| Repl # | SampleConc µg/L | StndConc µg/L | Blncorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|--------|-----------------|---------------|----------------|-----------|-------------|----------|-------------|
| 1 | -0.02 | -0.02 | 0.0003 | 0.0187 | 0.0030 | 10:31:43 | Yes |
| 2 | -0.01 | -0.01 | 0.0005 | 0.0189 | 0.0030 | 10:32:12 | Yes |

Mean: -0.01 -0.01 0.0004
 SD : 0.001 0.001 0.0001
 %RSD: 7.9 7.9 31.8271
 QC value within specified limits.

Element: Hg Seq. No.: 10 AS Loc.: 9 Date: 08/15/2006
 Sample ID: bh61409-blk1

| Repl # | SampleConc µg/L | StndConc µg/L | Blncorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|--------|-----------------|---------------|----------------|-----------|-------------|----------|-------------|
| 1 | -0.06 | -0.06 | -0.0044 | 0.0139 | 0.0022 | 10:33:35 | Yes |
| 2 | -0.07 | -0.07 | -0.0063 | 0.0121 | 0.0021 | 10:34:05 | Yes |
| Mean: | -0.06 | -0.06 | -0.0054 | | | | |
| SD : | 0.011 | 0.011 | 0.0013 | | | | |
| %RSD: | 17.0 | 17.0 | 24.0009 | | | | |

Element: Hg Seq. No.: 11 AS Loc.: 10 Date: 08/15/2006
 Sample ID: bh61409-bs1

| Repl # | SampleConc µg/L | StndConc µg/L | Blncorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|--------|-----------------|---------------|----------------|-----------|-------------|----------|-------------|
| 1 | 2.85 | 2.85 | 0.3423 | 0.3607 | 0.0628 | 10:35:27 | Yes |
| 2 | 2.81 | 2.81 | 0.3379 | 0.3563 | 0.0624 | 10:35:56 | Yes |
| Mean: | 2.83 | 2.83 | 0.3401 | | | | |
| SD : | 0.026 | 0.026 | 0.0031 | | | | |
| %RSD: | 0.9 | 0.9 | 0.9113 | | | | |

Element: Hg Seq. No.: 12 AS Loc.: 11 Date: 08/15/2006
 Sample ID: bh61409-bsd1

| Repl # | SampleConc µg/L | StndConc µg/L | Blncorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|--------|-----------------|---------------|----------------|-----------|-------------|----------|-------------|
| 1 | 2.85 | 2.85 | 0.3424 | 0.3608 | 0.0629 | 10:37:19 | Yes |
| 2 | 2.83 | 2.83 | 0.3398 | 0.3582 | 0.0627 | 10:37:48 | Yes |
| Mean: | 2.84 | 2.84 | 0.3411 | | | | |
| SD : | 0.016 | 0.016 | 0.0019 | | | | |
| %RSD: | 0.6 | 0.6 | 0.5488 | | | | |

95% $\frac{2.84 - 2.83}{2.835} \cdot 100 = 0.470$

Element: Hg Seq. No.: 13 AS Loc.: 12 Date: 08/15/2006
 Sample ID: bh61409-srml x10

| Repl # | SampleConc µg/L | StndConc µg/L | Blncorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|--------|-----------------|---------------|----------------|-----------|-------------|----------|-------------|
| 1 | 5.54 | 5.54 | 0.6628 | 0.6812 | 0.1192 | 10:39:13 | Yes |
| 2 | 5.34 | 5.34 | 0.6395 | 0.6579 | 0.1161 | 10:39:43 | Yes |
| Mean: | 5.44 | 5.44 | 0.6512 | | | | |
| SD : | 0.138 | 0.138 | 0.0165 | | | | |
| %RSD: | 2.5 | 2.5 | 2.5279 | | | | |

$\frac{5.44(10)(40)}{0.6(1000)} = 3.63$

Element: Hg Seq. No.: 14 AS Loc.: 13 Date: 08/15/2006
 Sample ID: bh61409-srm2 x10

| Repl # | SampleConc µg/L | StndConc µg/L | Blncorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|--------|-----------------|---------------|----------------|-----------|-------------|----------|-------------|
| 1 | 1.24 | 1.24 | 0.1496 | 0.1679 | 0.0293 | 10:41:08 | Yes |
| 2 | 1.23 | 1.23 | 0.1484 | 0.1668 | 0.0295 | 10:41:38 | Yes |
| Mean: | 1.23 | 1.23 | 0.1490 | | | | |
| SD : | 0.007 | 0.007 | 0.0008 | | | | |

$\frac{1.23(10)(40)}{0.6(1000)} = 0.82$

%RSD: 0.5 0.5 0.5304

Element: Hg Seq. No.: 15 AS Loc.: 14 Date: 08/15/2006
 Sample ID: 0608238-01

| Repl # | Sample Conc µg/L | Stnd Conc µg/L | Blncorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|--------|---------------------|-------------------|-------------------|--------------|----------------|----------|----------------|
| 1 | 0.05 | 0.05 | 0.0077 | 0.0261 | 0.0044 | 10:43:05 | Yes |
| 2 | 0.04 | 0.04 | 0.0072 | 0.0256 | 0.0043 | 10:43:35 | Yes |
| Mean: | 0.04 | 0.04 | 0.0075 | | | | |
| SD : | 0.003 | 0.003 | 0.0004 | | | | |
| %RSD: | 7.4 | 7.4 | 5.2023 | | | | |

ND

Element: Hg Seq. No.: 16 AS Loc.: 15 Date: 08/15/2006
 Sample ID: 0608248-09

| Repl # | Sample Conc µg/L | Stnd Conc µg/L | Blncorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|--------|---------------------|-------------------|-------------------|--------------|----------------|----------|----------------|
| 1 | 0.68 | 0.68 | 0.0829 | 0.1013 | 0.0174 | 10:45:01 | Yes |
| 2 | 0.67 | 0.67 | 0.0817 | 0.1001 | 0.0173 | 10:45:31 | Yes |
| Mean: | 0.67 | 0.67 | 0.0823 | | | | |
| SD : | 0.007 | 0.007 | 0.0008 | | | | |
| %RSD: | 1.1 | 1.1 | 1.0232 | | | | |

Element: Hg Seq. No.: 17 AS Loc.: 16 Date: 08/15/2006
 Sample ID: 0608248-10

| Repl # | Sample Conc µg/L | Stnd Conc µg/L | Blncorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|--------|---------------------|-------------------|-------------------|--------------|----------------|----------|----------------|
| 1 | 2.63 | 2.63 | 0.3157 | 0.3341 | 0.0580 | 10:47:00 | Yes |
| 2 | 2.62 | 2.62 | 0.3147 | 0.3331 | 0.0581 | 10:47:29 | Yes |
| Mean: | 2.62 | 2.62 | 0.3152 | | | | |
| SD : | 0.006 | 0.006 | 0.0007 | | | | |
| %RSD: | 0.2 | 0.2 | 0.2143 | | | | |

Element: Hg Seq. No.: 18 AS Loc.: 17 Date: 08/15/2006
 Sample ID: 0608248-11

| Repl # | Sample Conc µg/L | Stnd Conc µg/L | Blncorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|--------|---------------------|-------------------|-------------------|--------------|----------------|----------|----------------|
| 1 | 0.01 | 0.01 | 0.0040 | 0.0224 | 0.0036 | 10:48:54 | Yes |
| 2 | 0.00 | 0.00 | 0.0025 | 0.0209 | 0.0035 | 10:49:23 | Yes |
| Mean: | 0.01 | 0.01 | 0.0033 | | | | |
| SD : | 0.008 | 0.008 | 0.0010 | | | | |
| %RSD: | 95.9 | 95.9 | 30.9888 | | | | |

ND

Element: Hg Seq. No.: 19 AS Loc.: 18 Date: 08/15/2006
 Sample ID: bh61409-dup1

| Repl # | Sample Conc µg/L | Stnd Conc µg/L | Blncorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|--------|---------------------|-------------------|-------------------|--------------|----------------|----------|----------------|
| 1 | 0.02 | 0.02 | 0.0041 | 0.0225 | 0.0036 | 10:50:45 | Yes |
| 2 | 0.00 | 0.00 | 0.0025 | 0.0209 | 0.0034 | 10:51:14 | Yes |
| Mean: | 0.01 | 0.01 | 0.0033 | | | | |
| SD : | 0.009 | 0.009 | 0.0011 | | | | |
| %RSD: | 103.5 | 103.5 | 34.2447 | | | | |

ND

Element: Hg Seq. No.: 20 AS Loc.: 4 Date: 08/15/2006
 Sample ID: STD 3.0

| Repl # | SampleConc µg/L | StndConc µg/L | Blncorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|--------|-----------------|---------------|----------------|-----------|-------------|----------|-------------|
| 1 | 2.97 | 2.97 | 0.3561 | 0.3745 | 0.0652 | 10:52:38 | Yes |
| 2 | 2.93 | 2.93 | 0.3523 | 0.3707 | 0.0651 | 10:53:07 | Yes |
| Mean: | 2.95 | 2.95 | 0.3542 | | | | |
| SD : | 0.023 | 0.023 | 0.0027 | | | | |
| %RSD: | 0.8 | 0.8 | 0.7651 | | | | |

QC value within specified limits. ✓

Element: Hg Seq. No.: 21 AS Loc.: 1 Date: 08/15/2006
 Sample ID: ICCB

| Repl # | SampleConc µg/L | StndConc µg/L | Blncorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|--------|-----------------|---------------|----------------|-----------|-------------|----------|-------------|
| 1 | -0.02 | -0.02 | -0.0003 | 0.0181 | 0.0029 | 10:54:31 | Yes |
| 2 | -0.03 | -0.03 | -0.0018 | 0.0166 | 0.0028 | 10:55:00 | Yes |
| Mean: | -0.03 | -0.03 | -0.0010 | | | | |
| SD : | 0.009 | 0.009 | 0.0010 | | | | |
| %RSD: | 32.2 | 32.2 | 100.9349 | | | | |

QC value within specified limits. ✓

Element: Hg Seq. No.: 22 AS Loc.: 19 Date: 08/15/2006
 Sample ID: bh61409-ms1

| Repl # | SampleConc µg/L | StndConc µg/L | Blncorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|--------|-----------------|---------------|----------------|-----------|-------------|----------|-------------|
| 1 | 3.13 | 3.13 | 0.3753 | 0.3937 | 0.0680 | 10:56:23 | Yes |
| 2 | 3.10 | 3.10 | 0.3715 | 0.3899 | 0.0680 | 10:56:52 | Yes |
| Mean: | 3.11 | 3.11 | 0.3734 | | | | |
| SD : | 0.023 | 0.023 | 0.0027 | | | | |
| %RSD: | 0.7 | 0.7 | 0.7248 | | | | |

10470

Element: Hg Seq. No.: 23 AS Loc.: 20 Date: 08/15/2006
 Sample ID: bh61409-msd1

| Repl # | SampleConc µg/L | StndConc µg/L | Blncorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|--------|-----------------|---------------|----------------|-----------|-------------|----------|-------------|
| 1 | 3.12 | 3.12 | 0.3738 | 0.3922 | 0.0679 | 10:58:15 | Yes |
| 2 | 3.07 | 3.07 | 0.3686 | 0.3870 | 0.0674 | 10:58:44 | Yes |
| Mean: | 3.09 | 3.09 | 0.3712 | | | | |
| SD : | 0.031 | 0.031 | 0.0037 | | | | |
| %RSD: | 1.0 | 1.0 | 0.9979 | | | | |

10390 $\frac{3.11 - 3.09}{3.10} = 0.6\%$

Element: Hg Seq. No.: 24 AS Loc.: 21 Date: 08/15/2006
 Sample ID: bh61409-sd1 x5

| Repl # | SampleConc µg/L | StndConc µg/L | Blncorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|--------|-----------------|---------------|----------------|-----------|-------------|----------|-------------|
| 1 | -0.14 | -0.14 | -0.0148 | 0.0035 | 0.0007 | 11:00:07 | Yes |
| 2 | -0.13 | -0.13 | -0.0138 | 0.0046 | 0.0008 | 11:00:36 | Yes |
| Mean: | -0.14 | -0.14 | -0.0143 | | | | |
| SD : | 0.006 | 0.006 | 0.0007 | | | | |
| %RSD: | 4.4 | 4.4 | 5.0755 | | | | |

ND

Element: Hg Seq. No.: 25 AS Loc.: 22 Date: 08/15/2006

Sample ID: bh61409-pds1

| Repl # | SampleConc µg/L | StndConc µg/L | Blncorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|--------|-----------------|---------------|----------------|-----------|-------------|----------|-------------|
| 1 | 2.97 | 2.97 | 0.3566 | 0.3750 | 0.0655 | 11:02:00 | Yes |
| 2 | 2.96 | 2.96 | 0.3551 | 0.3735 | 0.0654 | 11:02:29 | Yes |
| Mean: | 2.96 | 2.96 | 0.3559 | | | | |
| SD : | 0.009 | 0.009 | 0.0011 | | | | |
| %RSD: | 0.3 | 0.3 | 0.3030 | | | | |

Element: Hg Seq. No.: 26 AS Loc.: 23 Date: 08/15/2006
Sample ID: 0608251-01

| Repl # | SampleConc µg/L | StndConc µg/L | Blncorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|---|-----------------|---------------|----------------|-----------|-------------|----------|-------------|
| 1 | 50.47 | 50.47 | 6.0233 | 6.0417 | 0.9679 | 11:03:54 | Yes |
| Sample absorbance is greater than that of the highest standard. | | | | | | | |
| 2 | 50.19 | 50.19 | 5.9891 | 6.0075 | 0.9630 | 11:04:23 | Yes |
| Sample absorbance is greater than that of the highest standard. | | | | | | | |
| Mean: | 50.33 | 50.33 | 6.0062 | | | | |
| SD : | 0.203 | 0.203 | 0.0242 | | | | |
| %RSD: | 0.4 | 0.4 | 0.4025 | | | | |
| Sample absorbance is greater than that of the highest standard. | | | | | | | |

Element: Hg Seq. No.: 27 AS Loc.: 24 Date: 08/15/2006
Sample ID: 0608251-02

| Repl # | SampleConc µg/L | StndConc µg/L | Blncorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|---|-----------------|---------------|----------------|-----------|-------------|----------|-------------|
| 1 | 27.02 | 27.02 | 3.2260 | 3.2443 | 0.5508 | 11:05:47 | Yes |
| Sample absorbance is greater than that of the highest standard. | | | | | | | |
| 2 | 26.81 | 26.81 | 3.1999 | 3.2183 | 0.5500 | 11:06:16 | Yes |
| Sample absorbance is greater than that of the highest standard. | | | | | | | |
| Mean: | 26.92 | 26.92 | 3.2129 | | | | |
| SD : | 0.154 | 0.154 | 0.0184 | | | | |
| %RSD: | 0.6 | 0.6 | 0.5724 | | | | |
| Sample absorbance is greater than that of the highest standard. | | | | | | | |

Element: Hg Seq. No.: 28 AS Loc.: 25 Date: 08/15/2006
Sample ID: 0608251-03

| Repl # | SampleConc µg/L | StndConc µg/L | Blncorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|---|-----------------|---------------|----------------|-----------|-------------|----------|-------------|
| 1 | 40.14 | 40.14 | 4.7907 | 4.8090 | 0.7911 | 11:07:41 | Yes |
| Sample absorbance is greater than that of the highest standard. | | | | | | | |
| 2 | 39.58 | 39.58 | 4.7237 | 4.7421 | 0.7863 | 11:08:10 | Yes |
| Sample absorbance is greater than that of the highest standard. | | | | | | | |
| Mean: | 39.86 | 39.86 | 4.7572 | | | | |
| SD : | 0.397 | 0.397 | 0.0474 | | | | |
| %RSD: | 1.0 | 1.0 | 0.9956 | | | | |
| Sample absorbance is greater than that of the highest standard. | | | | | | | |

Element: Hg Seq. No.: 29 AS Loc.: 4 Date: 08/15/2006
Sample ID: STD 3.0

| Repl # | SampleConc µg/L | StndConc µg/L | Blncorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|--------|-----------------|---------------|----------------|-----------|-------------|----------|-------------|
| 1 | 2.95 | 2.95 | 0.3542 | 0.3726 | 0.0649 | 11:09:35 | Yes |
| 2 | 2.94 | 2.94 | 0.3535 | 0.3719 | 0.0651 | 11:10:05 | Yes |

Mean: 2.95 2.95 0.3539
 SD : 0.004 0.004 0.0005
 %RSD: 0.1 0.1 0.1418
 QC value within specified limits. ✓

=====
 Element: Hg Seq. No.: 30 AS Loc.: 1 Date: 08/15/2006
 Sample ID: ICCB
 =====

| Repl # | SampleConc µg/L | StndConc µg/L | Blncorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|--------|--------------------|------------------|-------------------|--------------|----------------|----------|----------------|
| 1 | -0.01 | -0.01 | 0.0008 | 0.0191 | 0.0030 | 11:11:27 | Yes |
| 2 | -0.05 | -0.05 | -0.0033 | 0.0151 | 0.0026 | 11:11:57 | Yes |
| Mean: | -0.03 | -0.03 | -0.0013 | | | | |
| SD : | 0.024 | 0.024 | 0.0029 | | | | |
| %RSD: | 82.9 | 82.9 | 225.7462 | | | | |

QC value within specified limits. ✓

Element: Hg Seq. No.: 31 AS Loc.: 4 Date: 08/15/2006
Sample ID: STD 3.0

| Repl # | SampleConc µg/L | StndConc µg/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|--------|-----------------|---------------|-----------------|-----------|-------------|----------|-------------|
| 1 | 2.90 | 2.90 | 0.3476 | 0.3660 | 0.0634 | 11:21:42 | Yes |
| 2 | 2.91 | 2.91 | 0.3490 | 0.3674 | 0.0634 | 11:22:11 | Yes |
| Mean: | 2.90 | 2.90 | 0.3483 | | | | |
| SD : | 0.008 | 0.008 | 0.0010 | | | | |
| %RSD: | 0.3 | 0.3 | 0.2866 | | | | |

QC value within specified limits.

Element: Hg Seq. No.: 32 AS Loc.: 7 Date: 08/15/2006
Sample ID: ICV

| Repl # | SampleConc µg/L | StndConc µg/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|--------|-----------------|---------------|-----------------|-----------|-------------|----------|-------------|
| 1 | 2.97 | 2.97 | 0.3569 | 0.3753 | 0.0656 | 11:23:37 | Yes |
| 2 | 2.95 | 2.95 | 0.3540 | 0.3724 | 0.0655 | 11:24:06 | Yes |
| Mean: | 2.96 | 2.96 | 0.3555 | | | | |
| SD : | 0.017 | 0.017 | 0.0020 | | | | |
| %RSD: | 0.6 | 0.6 | 0.5630 | | | | |

QC value within specified limits.

Element: Hg Seq. No.: 33 AS Loc.: 1 Date: 08/15/2006
Sample ID: ICCB

| Repl # | SampleConc µg/L | StndConc µg/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|--------|-----------------|---------------|-----------------|-----------|-------------|----------|-------------|
| 1 | -0.04 | -0.04 | -0.0028 | 0.0156 | 0.0026 | 11:25:31 | Yes |
| 2 | -0.05 | -0.05 | -0.0033 | 0.0151 | 0.0026 | 11:26:00 | Yes |
| Mean: | -0.04 | -0.04 | -0.0030 | | | | |
| SD : | 0.003 | 0.003 | 0.0003 | | | | |
| %RSD: | 5.7 | 5.7 | 9.8705 | | | | |

QC value within specified limits.

Element: Hg Seq. No.: 34 AS Loc.: 26 Date: 08/15/2006
Sample ID: 0608251-01 x10

| Repl # | SampleConc µg/L | StndConc µg/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|--------|-----------------|---------------|-----------------|-----------|-------------|----------|-------------|
| 1 | 6.39 | 6.39 | 0.7648 | 0.7832 | 0.1365 | 11:27:25 | Yes |
| 2 | 6.33 | 6.33 | 0.7574 | 0.7758 | 0.1356 | 11:27:55 | Yes |
| Mean: | 6.36 | 6.36 | 0.7611 | | | | |
| SD : | 0.044 | 0.044 | 0.0053 | | | | |
| %RSD: | 0.7 | 0.7 | 0.6910 | | | | |

Element: Hg Seq. No.: 35 AS Loc.: 27 Date: 08/15/2006
Sample ID: 0608251-02 x10

| Repl # | SampleConc µg/L | StndConc µg/L | BlnkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|--------|-----------------|---------------|-----------------|-----------|-------------|----------|-------------|
| 1 | 2.95 | 2.95 | 0.3539 | 0.3723 | 0.0652 | 11:29:21 | Yes |
| 2 | 2.93 | 2.93 | 0.3512 | 0.3696 | 0.0648 | 11:29:50 | Yes |
| Mean: | 2.94 | 2.94 | 0.3526 | | | | |
| SD : | 0.016 | 0.016 | 0.0019 | | | | |
| %RSD: | 0.5 | 0.5 | 0.5293 | | | | |

Element: Hg Seq. No.: 36 AS Loc.: 28 Date: 08/15/2006

Sample ID: 0608251-03 x10

| Repl # | SampleConc µg/L | StndConc µg/L | BlkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|--------|--------------------|------------------|-------------------|--------------|----------------|----------|----------------|
| 1 | 4.71 | 4.71 | 0.5639 | 0.5823 | 0.1019 | 11:31:17 | Yes |
| 2 | 4.67 | 4.67 | 0.5597 | 0.5781 | 0.1015 | 11:31:47 | Yes |
| Mean: | 4.69 | 4.69 | 0.5618 | | | | |
| SD : | 0.025 | 0.025 | 0.0030 | | | | |
| %RSD: | 0.5 | 0.5 | 0.5309 | | | | |

Element: Hg Seq. No.: 37 AS Loc.: 4 Date: 08/15/2006
Sample ID: STD 3.0

| Repl # | SampleConc µg/L | StndConc µg/L | BlkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|--------|--------------------|------------------|-------------------|--------------|----------------|----------|----------------|
| 1 | 2.91 | 2.91 | 0.3499 | 0.3683 | 0.0641 | 11:33:13 | Yes |
| 2 | 2.88 | 2.88 | 0.3457 | 0.3640 | 0.0638 | 11:33:42 | Yes |
| Mean: | 2.90 | 2.90 | 0.3478 | | | | |
| SD : | 0.025 | 0.025 | 0.0030 | | | | |
| %RSD: | 0.9 | 0.9 | 0.8544 | | | | |

QC value within specified limits. ✓

Element: Hg Seq. No.: 38 AS Loc.: 1 Date: 08/15/2006
Sample ID: ICCB

| Repl # | SampleConc µg/L | StndConc µg/L | BlkCorr Signal | Peak Area | Peak Height | Time | Peak Stored |
|--------|--------------------|------------------|-------------------|--------------|----------------|----------|----------------|
| 1 | -0.04 | -0.04 | -0.0030 | 0.0154 | 0.0025 | 11:35:06 | Yes |
| 2 | -0.04 | -0.04 | -0.0028 | 0.0156 | 0.0026 | 11:35:36 | Yes |
| Mean: | -0.04 | -0.04 | -0.0029 | | | | |
| SD : | 0.001 | 0.001 | 0.0001 | | | | |
| %RSD: | 2.7 | 2.7 | 4.8263 | | | | |

QC value within specified limits. ✓

Metals Logbooks

PREPARATION BATCH SUMMARY

7471A

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Batch: BH61409 Batch Matrix: Solid

Preparation: 7471A

| SAMPLE NAME | LAB SAMPLE ID | LAB FILE ID | DATE PREPARED | OBSERVATIONS |
|-------------|---------------|--------------|----------------|---|
| SS-SI70 B1 | 0608248-09 | 081506AD-016 | 08/14/06 15:00 | Data Package |
| SS-SI77 B1 | 0608248-10 | 081506AD-017 | 08/14/06 15:00 | Data Package |
| Vertex Fill | 0608248-11 | 081506AD-018 | 08/14/06 15:00 | Data Package |
| Blank | BH61409-BLK1 | 081506AD-010 | 08/14/06 15:00 | |
| LCS | BH61409-BS1 | 081506AD-011 | 08/14/06 15:00 | |
| LCS Dup | BH61409-BSD1 | 081506AD-012 | 08/14/06 15:00 | |
| Vertex Fill | BH61409-DUP1 | 081506AD-019 | 08/14/06 15:00 | |
| Vertex Fill | BH61409-MS1 | 081506AD-022 | 08/14/06 15:00 | |
| Vertex Fill | BH61409-MSD1 | 081506AD-023 | 08/14/06 15:00 | |
| Vertex Fill | BH61409-PS1 | 081506AD-025 | 08/14/06 15:00 | [Spk] 0.63g->40ml; 10ml->10ml; Spiked 10ml |
| Reference | BH61409-SRM1 | 081506AD-013 | 08/14/06 15:00 | |
| Reference | BH61409-SRM2 | 081506AD-014 | 08/14/06 15:00 | |

ESS Laboratory
Mercury Soils Prep Logbook

Batch ID: BH61409

Reagent IDs:

Cal std ID*: 640800

Analyst:

Aqua Regia W2080814

NaCl-NH₂OH*HCl W2080814

Date:

KMnO₄ W2080814

ICV std ID**: 640800

| Sample | | Quality Control | | COMMENTS | Final Vol (ml) | Bath # | Temp. (°C) | Time in | Time out |
|---------------|---------|--------------------|--------------|----------|----------------|--------|------------|---------|----------|
| ID | Wgt (g) | ID/Lot # | Spike wt/vol | | | | | | |
| BH61409-BK1 | " | " | " | | 40 | 1020 | 95 | 15:07 | 15:30 |
| -BS1 | " | 640800 | 0.12 | | | | | | |
| -BS2 | " | 640800 | 0.12 | | | | | | |
| -Sam1 | 0.67g | 6E4057 | " | | | | | | |
| -Sam2 | 0.67g | 6E4035 | " | | | | | | |
| 08238-01 | 0.67g | " | " | paint | | | | | |
| [blacked out] | 0.67g | " | " | | | | | | |
| -10 | 0.67g | " | " | | | | | | |
| -11 | 0.67g | " | " | | | | | | |
| BH61409-2001 | 0.67g | " | " | | | | | | |
| -MS1 | 0.67g | W2080814 6E4057 | 0.12 | | | | | | |
| -MS2 | 0.67g | 640800 | 0.12 | | 40 | 1020 | 95 | 15:07 | 15:30 |

* Calibration standards are prepared daily at 0.0, 0.5, 1.0, 3.0, and 5.0 ppb. See SOP for preparation instructions.

**ICV is prepared daily at a concentration of 2.0 ppb. See SOP for preparation instructions.

ESS LABORATORY MERCURY ANALYSIS LOGBOOK

SIF: 081506A
 RDS: 081506AD
 ANALYST: EM
 DATE: 8/15/06

SnCl₂·2H₂O ID: WR060815A
 CARRIER ID: WR060808F

Matrix: (Solid) Aqueous

FIMS AUTOSAMPLER TRAY SEQUENCE

| # | SAMPLE | # | SAMPLE | # | SAMPLE | # | SAMPLE |
|----|-------------------------|----|--------|----|--------|-----|--------|
| 1 | Std 1/CCB 6H14042 | 31 | | 61 | | 91 | |
| 2 | Std 2- 6H14043 | 32 | | 62 | | 92 | |
| 3 | Std 3- 6H14044 | 33 | | 63 | | 93 | |
| 4 | Std 4- 6H14045 | 34 | | 64 | | 94 | |
| 5 | Std 5- 6H14046 | 35 | | 65 | | 95 | |
| 6 | Std 6- 6H14047 | 36 | | 66 | | 96 | |
| 7 | ICV- 6H14048 | 37 | | 67 | | 97 | |
| 8 | N/A | 38 | | 68 | | 98 | |
| 9 | 6H14049-8161 | 39 | | 69 | | 99 | |
| 10 | -1351 | 40 | | 70 | | 100 | |
| 11 | -135D1 | 41 | | 71 | | 101 | |
| 12 | -5Am1 x10 | 42 | N/A | 72 | N/A | 102 | |
| 13 | -5Am2 x10 | 43 | | 73 | | 103 | |
| 14 | 0608238-01 | 44 | | 74 | | 104 | |
| 15 | 0608248-09 | 45 | | 75 | | 105 | |
| 16 | -10 | 46 | | 76 | | 106 | |
| 17 | -11 | 47 | | 77 | | | |
| 18 | 6H1409- dup1 | 48 | | 78 | | | |
| 19 | -ms1 | 49 | | 79 | | | |
| 20 | -msD1 | 50 | | 80 | | | |
| 21 | -5D1 x5 | 51 | | 81 | | | |
| 22 | -PDS1 | 52 | | 82 | | | |
| 23 | 0608251-01 | 53 | | 83 | | | |
| 24 | -02 | 54 | | 84 | | | |
| 25 | -03 | 55 | | 85 | | | |
| 26 | -01 x10 | 56 | | 86 | | | |
| 27 | -02 x10 | 57 | | 87 | | | |
| 28 | -03 x10 | 58 | | 88 | | | |
| 29 | N/A | 59 | | 89 | | | |
| 30 | | 60 | | 90 | | | |

CONTROL# 30.0009-0602A

Page _____

HOLDING TIME SUMMARY

7471A

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

| Sample Name | Date Collected | Date Received | Date Prepared | Days to Prep | Max Days to Prep | Date Analyzed | Days to Analysis | Max Days to Analysis | Q |
|-------------|-------------------|-------------------|-------------------|--------------|------------------|-------------------|------------------|----------------------|---|
| SS-SI70 B1 | 08/14/06 13:30 | 08/14/06 14:15 | 08/14/06 15:00 | 0.06 | 28.00 | 08/15/06 10:45 | 0.89 | 28.00 | |
| SS-SI77 B1 | 08/14/06 13:40 | 08/14/06 14:15 | 08/14/06 15:00 | 0.06 | 28.00 | 08/15/06 10:47 | 0.88 | 28.00 | |
| Vertex Fill | 08/14/06 14:00 | 08/14/06 14:15 | 08/14/06 15:00 | 0.04 | 28.00 | 08/15/06 10:49 | 0.87 | 28.00 | |

Metals Data Package

Metals Sample Data

ESS Laboratory

SDG: 0608248

CLASS: METALS

METHOD: 7841

ANALYSES DATA PACKAGE COVER PAGE

7841

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Client Sample Id:

SS-SI70 B1

SS-SI77 B1

Vertex Fill

Lab Sample Id:

0608248-09

0608248-10

0608248-11

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures.

Signature: _____

Name: _____

Date: _____

Title: _____

METHOD DETECTION AND REPORTING LIMITS

7841

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Solid

Instrument: GFAA2

| Analyte | MDL | MRL | Units |
|----------|------|-----|-------|
| Thallium | 0.04 | 0.3 | mg/kg |

INORGANIC ANALYSIS DATA SHEET

7841

SS-SI70 B1

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Soil

Laboratory ID: 0608248-09

File ID: 081506ya-013

Sampled: 08/14/06 13:30

Prepared: 08/14/06 14:45

Analyzed: 08/15/06 10:54

Solids: 93.00

Preparation: 3050B

Initial/Final: 1.86 g / 100 ml

Batch: BH61418

Sequence:

BPH0307

Calibration: UNASSIGNED

Instrument: GFAA2

| CAS NO. | Analyte | Concentration (mg/kg dry) | Dilution Factor | Q | Method |
|-----------|----------|------------------------------|--------------------|----|--------|
| 7440-28-0 | Thallium | 1.4 | 5 | DU | 7841 |

INORGANIC ANALYSIS DATA SHEET

7841

SS-SI77 B1

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Soil

Laboratory ID: 0608248-10

File ID: 081506ya-014

Sampled: 08/14/06 13:40

Prepared: 08/14/06 14:45

Analyzed: 08/15/06 11:00

Solids: 94.00

Preparation: 3050B

Initial/Final: 1.76 g / 100 ml

Batch: BH61418

Sequence:

BPH0307

Calibration: UNASSIGNED

Instrument: GFAA2

| CAS NO. | Analyte | Concentration (mg/kg dry) | Dilution Factor | Q | Method |
|-----------|----------|------------------------------|--------------------|----|--------|
| 7440-28-0 | Thallium | 1.5 | 5 | DU | 7841 |

INORGANIC ANALYSIS DATA SHEET

7841

Vertex Fill

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Soil

Laboratory ID: 0608248-11

File ID: 081506va-015

Sampled: 08/14/06 14:00

Prepared: 08/14/06 14:45

Analyzed: 08/15/06 11:05

Solids: 99.00

Preparation: 3050B

Initial/Final: 1.78 g / 100 ml

Batch: BH61418

Sequence:

BPH0307

Calibration: UNASSIGNED

Instrument: GFAA2

| CAS NO. | Analyte | Concentration (mg/kg dry) | Dilution Factor | Q | Method |
|-----------|----------|------------------------------|--------------------|----|--------|
| 7440-28-0 | Thallium | 1.4 | 5 | DU | 7841 |

Metals
Quality Control Data

DUPLICATES

Vertex Fill

7841

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Solid

Laboratory ID: BH61418-DUP6

Batch: BH61418

Lab Source ID: 0608248-11

Preparation: 3050B

Initial/Final: 1.77 g / 100 ml

Source Sample Name: Vertex Fill

% Solids: 99.00

| ANALYTE | CONTROL LIMIT | SAMPLE CONCENTRATION (mg/kg dry) | C | DUPLICATE CONCENTRATION (mg/kg dry) | C | RPD % | Q | METHOD |
|----------|---------------|----------------------------------|---|-------------------------------------|---|-------|---|--------|
| Thallium | 35 | ND | | ND | | | | 7841 |

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

7841

Vertex Fill

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Solid

Batch: BH61418

Laboratory ID: BH61418-MS6

Preparation: 3050B

Initial/Final: 1.75 g / 100 ml

Source Sample Name: Vertex Fill

| COMPOUND | SPIKE ADDED (mg/kg dry) | SAMPLE CONCENTRATION (mg/kg dry) | MS CONCENTRATION (mg/kg dry) | MS % REC. # | QC LIMITS REC. |
|----------|-------------------------|----------------------------------|------------------------------|-------------|----------------|
| Thallium | 28.9 | ND | 25.7 | 89 | 75 - 125 |

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

7841

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Solid

Batch: BH61418

Laboratory ID: BH61418-BS3

Preparation: 3050B

Initial/Final: 1.5 g / 100 ml

| COMPOUND | SPIKE ADDED (mg/kg wet) | LCS CONCENTRATION (mg/kg wet) | LCS % REC. # | QC LIMITS REC. |
|----------|----------------------------|----------------------------------|-----------------|-------------------|
| Thallium | 33.3 | 32.0 | 96 | 80 - 120 |

| COMPOUND | SPIKE ADDED (mg/kg wet) | LCSD CONCENTRATION (mg/kg wet) | LCSD % REC. # | % RPD # | QC LIMITS | |
|----------|----------------------------|-----------------------------------|------------------|------------|-----------|----------|
| | | | | | RPD | REC. |
| Thallium | 33.3 | 33.2 | 100 | 4 | 20 | 80 - 120 |

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

STANDARD REFERENCE MATERIAL RECOVERY

7841

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Solid

Batch: BH61418

Laboratory ID: BH61418-SRM4

Preparation: 3050B

Initial/Final: 1 g / 100 ml

| ANALYTE | TRUE (mg/kg wet) | FOUND (mg/kg wet) | SRM % REC. | QC LIMITS REC. |
|----------|---------------------|----------------------|------------------|----------------------|
| Thallium | 158 | 178 | 113 | 75.32 - 124.68 |

* Values outside of QC limits

POST DIGEST SPIKE SAMPLE RECOVERY

7841

Vertex Fill

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Solid

Laboratory ID: BH61418-PS6

Batch: BH61418

Lab Source ID: 0608248-11

Preparation: 3050B

Initial/Final: 0.0000534 g / 0.015 ml

Source Sample Name: Vertex Fill

% Solids: 99.00

| Analyte | Control Limit %R | Spike Sample Result (SSR) (ug/L) | Sample Result (SR) (ug/L) | Spike Added (SA) (ug/L) | %R |
|----------|------------------|----------------------------------|---------------------------|-------------------------|-----|
| Thallium | 85 - 115 | 21.4 | -0.146 | 20.0 | 108 |

* Values outside of QC limits

SERIAL DILUTION

7841

Vertex Fill

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Solid

Laboratory ID: BPH0307-SRD1

Sequence: BPH0307

Lab Source ID: 0608248-11

Preparation: BH61418

Initial/Final: 1.78 / 100

Source Sample Name: Vertex Fill

% Solids: 99.00

| Analyte | Initial Sample Result (I) | C | Serial Dilution Result (S) | C | % Difference | Q | Method | QC Limits % Difference |
|----------|---------------------------|---|----------------------------|---|--------------|---|--------|------------------------|
| Thallium | ND | | ND | | | | 7841 | 10 |

* Values outside of QC limits

Metals Calibration Data

ANALYSIS BATCH (SEQUENCE) SUMMARY

7841

| | |
|--|--|
| Laboratory: <u>ESS Laboratory</u> | SDG: <u>0608248</u> |
| Client: <u>MACTEC Engineering & Consulting, Inc.</u> | Project: <u>Providence Gorham Site</u> |
| Sequence: <u>BPH0307</u> | Instrument: <u>GFAA2</u> |
| Matrix: <u>Solid</u> | Calibration: <u>UNASSIGNED</u> |

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|---------------------|---------------|--------------|--------------------|
| Cal Standard | BPH0307-CAL1 | 081506ya-001 | 08/15/06 09:44 |
| Cal Standard | BPH0307-CAL2 | 081506ya-002 | 08/15/06 09:50 |
| Cal Standard | BPH0307-CAL3 | 081506ya-003 | 08/15/06 09:56 |
| Cal Standard | BPH0307-CAL4 | 081506ya-004 | 08/15/06 10:02 |
| Cal Standard | BPH0307-CAL5 | 081506ya-005 | 08/15/06 10:08 |
| Initial Cal Check | BPH0307-ICV1 | 081506ya-006 | 08/15/06 10:14 |
| Secondary Cal Check | BPH0307-SCV1 | 081506ya-007 | 08/15/06 10:20 |
| Initial Cal Blank | BPH0307-ICB1 | 081506ya-008 | 08/15/06 10:25 |
| Blank | BH61418-BLK3 | 081506ya-009 | 08/15/06 10:31 |
| LCS | BH61418-BS3 | 081506ya-010 | 08/15/06 10:37 |
| LCS Dup | BH61418-BSD3 | 081506ya-011 | 08/15/06 10:43 |
| Reference | BH61418-SRM4 | 081506ya-012 | 08/15/06 10:48 |
| SS-SI70 B1 | 0608248-09 | 081506ya-013 | 08/15/06 10:54 |
| SS-SI77 B1 | 0608248-10 | 081506ya-014 | 08/15/06 11:00 |
| Vertex Fill | 0608248-11 | 081506ya-015 | 08/15/06 11:05 |
| Vertex Fill | BH61418-PS6 | | 08/15/06 11:11 |
| Vertex Fill | BH61418-DUP6 | 081506ya-016 | 08/15/06 11:17 |
| Vertex Fill | BH61418-MS6 | 081506ya-017 | 08/15/06 11:23 |
| Vertex Fill | BPH0307-SRD1 | 081506ya-018 | 08/15/06 11:28 |
| Calibration Check | BPH0307-CCV1 | 081506ya-019 | 08/15/06 11:34 |
| Calibration Blank | BPH0307-CCB1 | 081506ya-020 | 08/15/06 11:40 |

BLANKS

7841

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Instrument ID: GFAA2

Project: Providence Gorham Site

Sequence: BPH0307

Calibration: UNASSIGNED

| Lab Sample ID | Analyte | Found | MRL | Units | C | Method |
|---------------|----------|-------|-----|-----------|---|--------|
| BPH0307-ICB1 | Thallium | -0.2 | 5.0 | ug/L | | 7841 |
| BH61418-BLK3 | Thallium | -0.03 | 0.3 | mg/kg wet | | 7841 |
| BPH0307-CCB1 | Thallium | -0.1 | 5.0 | ug/L | | 7841 |

INITIAL AND CONTINUING CALIBRATION CHECK

7841

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Instrument ID: GFAA2

Calibration: UNASSIGNED

Control Limit: +/- 10.00%

Sequence: BPH0307

| Lab Sample ID | Analyte | True | Found | %R | Units | Method |
|---------------|----------|------|-------|-----|-------|--------|
| BPH0307-ICV1 | Thallium | 25.0 | 25.3 | 101 | ug/L | 7841 |
| BPH0307-CCV1 | Thallium | 25.0 | 26.3 | 105 | ug/L | 7841 |

* Values outside of QC limits

DATE: 8/15/06
 ANALYTE: Tl As Pb
 ANALYST: SP
 SIF: 081906YA
 RDS: 081906YAD

Pd Modifier: W1060727A
W1060727A
 NH4 Modifier: W1060726B

| # | SAMPLE ID | DIL | ELEMENTS | # | SAMPLE ID | DIL | ELEMENTS |
|----|-----------------------------|-----|----------|----|------------------------|---------|----------|
| 1 | STD 2 - BH61418 - BIL | | AS Tl | 45 | | | |
| 2 | STD 3 - BS1X20 | | | 46 | | | |
| 3 | STD 4 - BSD1X20 | | | 47 | | | |
| 4 | STD 5 - SLM1X50 | | | 48 | | | |
| 5 | Recovery Std 50*06082118-09 | | | 49 | | | |
| 6 | CV - -10 | | | 50 | | | |
| 7 | STD 2.0 - 11 | | | 51 | | | |
| 8 | BH61418 - d.p2 | | | 52 | | | |
| 9 | -MS2 | | | 53 | | | |
| 10 | -SD2 | | AS Tl | 54 | | | |
| 11 | 0607347-18X10 | | AS | 55 | | | |
| 12 | 0608227-01 dia | | Pb | 56 | | | |
| 13 | 0608230-01 dia | | | 57 | | | |
| 14 | -01 dia | | | 58 | | | |
| 15 | -03 dia | | | 59 | | | |
| 16 | -04 dia | | | 60 | | | |
| 17 | -05 dia | | | 61 | | | |
| 18 | BH61206 - d.p1 | | | 62 | | | |
| 19 | -SD1 | | | 63 | | | |
| 20 | -PDS1 | | Pb | 64 | | | |
| 21 | BH61201 - BIL | | AS Pb | 65 | | | |
| 22 | -BS2 | | | 66 | | | |
| 23 | -BSD2 | | | 67 | | | |
| 24 | 0608223-01 | | | 68 | | | |
| 25 | -02 | | | 69 | | | |
| 26 | -03 | | | 70 | | | |
| 27 | -05 | | AS Pb | 71 | | | |
| 28 | BH61109 - BIL | | AS | 72 | | | |
| 29 | -BS1X20 | | | 73 | | | |
| 30 | -BSD1X20 | | | 74 | | | |
| 31 | -SLM1X50 | | | 75 | | | |
| 32 | 0608278-01X5 | | | 76 | | | |
| 33 | 0608239-01 | | | 77 | | | |
| 34 | BH61201 - d.p2 | | | 78 | | | |
| 35 | -MS3 | | | 79 | 121 STD2 | 6H15011 | ALL |
| 36 | -SD2X5 | | AS | 80 | 124 STD3 | 6H15012 | |
| 37 | | | | 81 | 126 STD4 | 6H15013 | |
| 38 | | | | 82 | 129 STD5 | 6H15014 | |
| 39 | | | | 83 | 131 Recovery StdSD | 6H15017 | |
| 40 | | | | 84 | 134 ICR | 6H15015 | |
| 41 | | | | 85 | 136 CIA 2.0 | 6H15016 | ALL |
| 42 | | | | 86 | Ammonium Phosphate Mod | | Pb |
| 43 | | | | 87 | Palladium Modifier | | AS Tl |
| 44 | | | | 88 | Std1/CCB | | ALL |

*Recovery standard is second source
 CONTROL# 30.0036-0601A

Page: _____

ESS LABORATORY
GFAA Data Review Check List



| SIF Method: <u>T/S As, Pb</u> | | Run Date: <u>8/15/06</u> | | |
|--|------------|--------------------------|------------|--|
| Project Number(s): <u>08248, 227, 230, 223, 228, 239, 07347-18</u> | | | | |
| Batch Number(s): <u>081506YA</u> | | | | |
| SOP NO. 30 2009 | | | | |
| Review Item | Yes (X) | No (X) | N/A (X) | |
| 1. Does the cal curve consist of four Calibration Standards including a blank and is its correlation within QC limits (≥ 0.995)? | X | | | |
| 2. Is the low calibration standard at the reporting limit? | X | | | |
| 3. If the low standard is above the reporting limit, is a CRI analyzed at the beginning of the run? Does the recovery meet QC limits(80-120%)? | | | X | |
| 4. Is the midpoint calibration standard reanalyzed immediately after the curve and is it within QC limits of 90-110% ($\pm 5\%$ for 200.9)? | X | | | |
| 5. Is the ICV from a second source and is its recovery within QC limits (90-110%) | X | | | |
| 6. Is the mid-point calibration standard re-analyzed every 10 samples and at the end of the run and are its recoveries within QC limits (90-110%)? | X | | | |
| 7. Is the CCB analyzed at beginning, after every 10 samples and at end of the run and are its recoveries within QC limits ($< 2 \times \text{MDL}$)? | X | | | |
| 8. Are the method blank recoveries within QC limits? | X | | | |
| 9. Are the LCS and ERA recoveries within QC limits (LCS: 80-120% for 7000, 85-115% for 200.9, ERA see COA)? | X | | | |
| 10. Are matrix dups run at desired frequency (1 per 10 samples or per analytical batch) and are RPD's within QC limits ($< 20\%$)? | | X | | |
| 11. Are matrix spikes run at desired frequency frequency (1 per 10 samples or per analytical batch) and are recoveries within QC limits (80-120%)? | | X | | |
| 12. Are all samples with concentrations $>$ the highest calibration standard diluted and reanalyzed? | X | | | |
| 13. Has the serial dilution been analyzed at the required frequency (once per analytical batch) and are results within criterion ($\pm 10\%$ RPD)? | | X | | |
| 14. Is the batch post digestion spike within QC limits (85-115%)? | | X | | |
| 15. Are all sample hold times met? | X | | | |
| 16. Are all non-conformances included and noted? | X | | | |
| 17. Is the correct methodology used for sample prep and analysis? | X | | | |
| 18. Are all calculations checked? | X | | | |
| 19. Did analyst sign/date appropriate printouts and report sheets? | X | | | |
| 20. Are all samples located in the correct auto-sampler locations? | X | | | |

Comments on any "No" response:

AS BAL61418-dup? ND - smp is a hit, BAL61701-MS3 156S. SD-305

TJ-OK

Pb 08320-05 dia PDS high - smp ND

Analyst:  Date: 8/16/06 2nd Rvw: SVI Date: 8/16/06 

Control Number: 30.0022-0602A

Page _____

Autosampler Loading List

Sample Information File: 081506YA.SIF

Methods: Tl 5 As 5 Pb 2

| Location | Elements | Solution |
|----------|----------|---------------------------|
| 1 | Tl,As | Sample: BH61418-blk1 |
| 2 | Tl,As | Sample: BH61418-bs1 x20 |
| 3 | Tl,As | Sample: BH61418-bsd1 x20 |
| 4 | Tl,As | Sample: BH61418-srm1 x50 |
| 5 | Tl,As | Sample: 0608248-09 x5 |
| 6 | Tl,As | Sample: 0608248-10 x5 |
| 7 | Tl,As | Sample: 0608248-11 x5 |
| 8 | Tl,As | Sample: BH61418-dup2 x5 |
| 9 | Tl,As | Sample: BH61418-ms2 x20 |
| 10 | Tl,As | Sample: BH61418-sd2 x25 |
| 11 | As | Sample: 0607347-18 x10 |
| 12 | Pb | Sample: 0608227-01 dir |
| 13 | Pb | Sample: 0608230-01 dir |
| 14 | Pb | Sample: 0608230-02 dir |
| 15 | Pb | Sample: 0608230-03 dir |
| 16 | Pb | Sample: 0608230-04 dir |
| 17 | Pb | Sample: 0608230-05 dir |
| 18 | Pb | Sample: BH61206-dup1 |
| 19 | Pb | Sample: BH61206-sd1 |
| 21 | As, Pb | Sample: BH61201-blk1 |
| 22 | As, Pb | Sample: BH61201-bs2 |
| 23 | As, Pb | Sample: BH61201-bsd2 |
| 24 | As, Pb | Sample: 0608223-01 |
| 25 | As, Pb | Sample: 0608223-02 |
| 26 | As, Pb | Sample: 0608223-03 |
| 27 | As, Pb | Sample: 0608223-05 |
| 28 | As | Sample: BH61109-blk1 |
| 29 | As | Sample: BH61109-bs1 x20 |
| 30 | As | Sample: BH61109-bsd1 x20 |
| 31 | As | Sample: BH61109-srm1 x50 |
| 32 | As | Sample: 0608228-01 x5 |
| 33 | As | Sample: 0608239-01 |
| 34 | As | Sample: BH61201-dup2 |
| 35 | As | Sample: BH61201-ms3 |
| 36 | As | Sample: BH61201-sd2 x5 |
| 121 | Tl,As,Pb | Stock Standard: 5.0 µg/L |
| 124 | Tl,As,Pb | Stock Standard: 10.0 µg/L |
| 126 | Tl,As,Pb | Stock Standard: 25.0 µg/L |
| | Tl,As,Pb | STD 3: 25.0000 µg/L |
| | Tl,As,Pb | CCV: 25.0000 µg/L |
| 129 | Tl,As,Pb | Stock Standard: 50.0 µg/L |
| 131 | Tl,As,Pb | Recovery Stock: 50.0 µg/L |
| 134 | Tl,As,Pb | ICV: 25.0000 µg/L |
| 136 | Tl,As,Pb | CRA 2: 2.0000 µg/L |
| 141 | Pb | Standard 0 |
| | Pb | ICB/CCB: 0.0000 µg/L |
| | Pb | Diluent |
| 146 | Pb | Modifier 2 |
| 147 | Tl,As | Modifier 1 |
| 148 | Tl,As | Standard 0 |
| | Tl,As | ICB/CCB: 0.0000 µg/L |
| | Tl,As | Diluent |

Method Name: Tl 5
 Method Description: Tl 5
 Element: Tl

Date: 08/15/2006
 Technique: Furnace
 Calibration Type:
 Tl, Calc. Intercept : Linear
 Wavelength: 276.8 nm
 Energy: 100
 Slit Width: 0.7
 Lamp Current: 6 mA
 Sample Info Name: 081506YA.SIF

Results Data Set Name: 081506yad

Element: Tl Seq. No.: 1 AS Loc.: 148 Date: 08/15/2006
 Sample ID: Standard 0
 μ L dispensed: 10 from 148, 5 from 147, 15 from 148

| Repl # | SampleConc | StndConc | Blncorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time | Peak Stored |
|--------|------------|----------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1 | | | 0.0021 | 0.0021 | 0.0059 | 0.0013 | 0.0049 | 09:41:24 | No |
| 2 | | | 0.0011 | 0.0011 | 0.0053 | -0.0003 | 0.0061 | 09:44:13 | No |
| Mean: | | | 0.0016 | | | | | | |
| SD : | | | 0.0007 | | | | | | |
| %RSD: | | | 43.77 | | | | | | |

Auto-zero performed.

Element: Tl Seq. No.: 2 AS Loc.: 121 Date: 08/15/2006
 Sample ID: Standard 5
 μ L dispensed: 10 from 148, 5 from 147, 15 from 121

| Repl # | SampleConc | StndConc | Blncorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time | Peak Stored |
|--------|------------|----------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1 | | | 0.0075 | 0.0091 | 0.0160 | 0.0050 | 0.0084 | 09:47:28 | No |
| 2 | | | 0.0077 | 0.0093 | 0.0160 | 0.0042 | 0.0104 | 09:50:18 | No |
| Mean: | | | 0.0076 | | | | | | |
| SD : | | | 0.0002 | | | | | | |
| %RSD: | | | 2.12 | | | | | | |

[Tl] Standard number 1 applied. [5.0]

Correlation Coefficient: 1.00000

Slope: 0.00153

Intercept : 0.00000

Element: Tl Seq. No.: 3 AS Loc.: 124 Date: 08/15/2006
 Sample ID: Standard 10
 μ L dispensed: 10 from 148, 5 from 147, 15 from 124

| Repl # | SampleConc μ g/L | StndConc μ g/L | Blncorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time | Peak Stored |
|--------|----------------------|--------------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1 | | | 0.0143 | 0.0159 | 0.0268 | 0.0092 | 0.0165 | 09:53:37 | No |
| 2 | | | 0.0141 | 0.0157 | 0.0282 | 0.0099 | 0.0156 | 09:56:29 | No |
| Mean: | | | 0.0142 | | | | | | |
| SD : | | | 0.0001 | | | | | | |
| %RSD: | | | 0.87 | | | | | | |

[Tl] Standard number 2 applied. [10.0]

Correlation Coefficient: 0.99913

Slope: 0.00142

Intercept : 0.00017

Element: Tl Seq. No.: 4 AS Loc.: 126 Date: 08/15/2006
 Sample ID: Standard 25
 μ L dispensed: 10 from 148, 5 from 147, 15 from 126

| Repl # | SampleConc | StndConc | Blncorr | Peak | Peak | Bkgnd | Bkgnd | Time | Peak |
|--------|------------|----------|---------|------|------|-------|-------|------|------|
| | | | | | | | | | |

| # | µg/L | µg/L | Signal | Area | Height | Area | Height | Stored |
|-------|------|------|--------|--------|--------|--------|--------|-------------|
| 1 | | | 0.0371 | 0.0387 | 0.0639 | 0.0237 | 0.0361 | 09:59:47 No |
| 2 | | | 0.0365 | 0.0381 | 0.0650 | 0.0243 | 0.0399 | 10:02:41 No |
| Mean: | | | 0.0368 | | | | | |
| SD : | | | 0.0004 | | | | | |
| %RSD: | | | 1.14 | | | | | |

[T1] Standard number 3 applied. [25.0]
 Correlation Coefficient: 0.99980 Slope: 0.00147
 Intercept : -0.00002

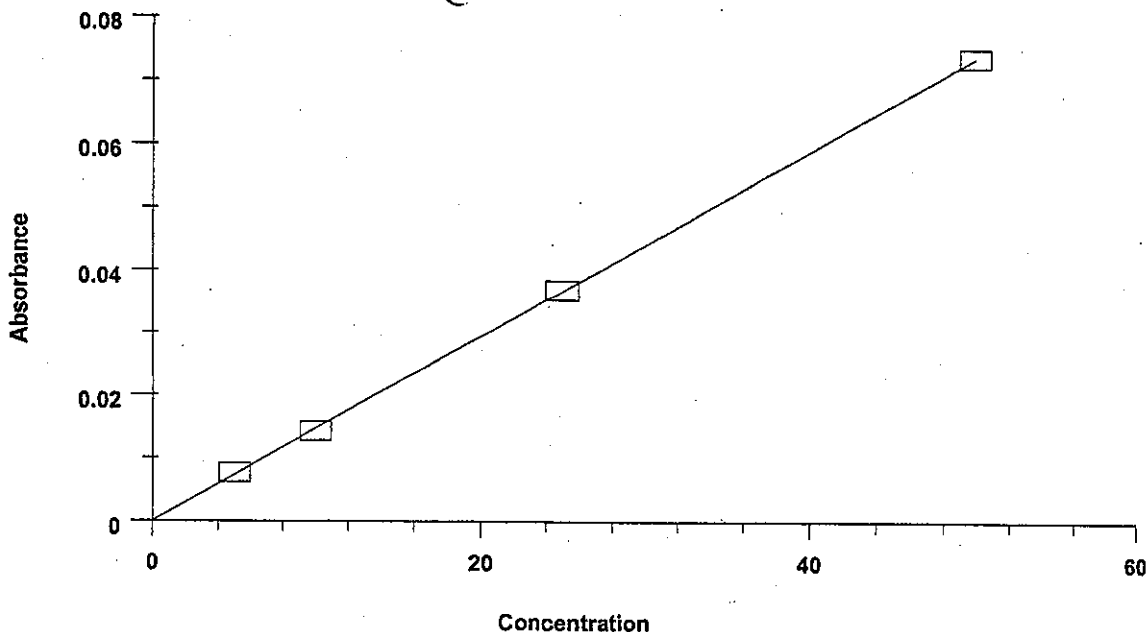
=====
 Element: T1 Seq. No.: 5 AS Loc.: 129 Date: 08/15/2006
 Sample ID: Standard 50
 µL dispensed: 10 from 148, 5 from 147, 15 from 129

| Repl # | Sample Conc µg/L | Std Conc µg/L | Blk Corr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time | Peak Stored |
|--------|------------------|---------------|-----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1 | | | 0.0743 | 0.0759 | 0.1189 | 0.0473 | 0.0746 | 10:05:58 | No |
| 2 | | | 0.0726 | 0.0742 | 0.1264 | 0.0463 | 0.0804 | 10:08:49 | No |
| Mean: | | | 0.0734 | | | | | | |
| SD : | | | 0.0012 | | | | | | |
| %RSD: | | | 1.64 | | | | | | |

[T1] Standard number 4 applied. [50.0]
 Correlation Coefficient: 0.99996 Slope: 0.00147
 Intercept : -0.00002

Calibration data for T1

| Standard ID | Mean Signal (Pk Area) | Entered Concentration (µg/L) | Calculated Concentration (µg/L) | Standard Deviation | %RSD |
|--------------------------|-----------------------|------------------------------|---------------------------------|--------------------|------|
| Standard 0 | 0.0016 | - | - | - | - |
| Standard 5 | 0.0076 | 5.0 | 5.2 | 0.00 | 2.12 |
| Standard 10 | 0.0142 | 10.0 | 9.7 | 0.00 | 0.87 |
| Standard 25 | 0.0368 | 25.0 | 25.1 | 0.00 | 1.14 |
| Standard 50 | 0.0734 | 50.0 | 50.0 | 0.00 | 1.64 |
| Correlation Coefficient: | | 0.99996 | Slope: 0.00147 | Intercept: 0.0000 | |



=====
 Element: Tl Seq. No.: 6 AS Loc.: 126 Date: 08/15/2006
 Sample ID: STD 3
 µL dispensed: 10 from 148, 5 from 147, 15 from 126

| Repl # | SampleConc µg/L | StndConc µg/L | Blncorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time | Peak Stored |
|--------|-----------------|---------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1 | 25.4 | 25.4 | 0.0373 | 0.0389 | 0.0665 | 0.0244 | 0.0386 | 10:11:46 | No |
| 2 | 25.2 | 25.2 | 0.0370 | 0.0386 | 0.0616 | 0.0242 | 0.0396 | 10:14:39 | No |
| Mean: | 25.3 | 25.3 | 0.0371 | | | | | | |
| SD : | 0.18 | 0.18 | 0.0003 | | | | | | |
| %RSD: | 0.70 | 0.70 | 0.70 | | | | | | |

QC value within specified limits. ✓

=====
 Element: Tl Seq. No.: 7 AS Loc.: 134 Date: 08/15/2006
 Sample ID: ICV
 µL dispensed: 10 from 148, 5 from 147, 15 from 134

| Repl # | SampleConc µg/L | StndConc µg/L | Blncorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time | Peak Stored |
|--------|-----------------|---------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1 | 24.6 | 24.6 | 0.0361 | 0.0377 | 0.0623 | 0.0256 | 0.0390 | 10:17:30 | No |
| 2 | 24.4 | 24.4 | 0.0358 | 0.0374 | 0.0599 | 0.0243 | 0.0369 | 10:20:19 | No |
| Mean: | 24.5 | 24.5 | 0.0359 | | | | | | |
| SD : | 0.14 | 0.14 | 0.0002 | | | | | | |
| %RSD: | 0.57 | 0.57 | 0.57 | | | | | | |

QC value within specified limits. ✓

=====
 Element: Tl Seq. No.: 8 AS Loc.: 148 Date: 08/15/2006
 Sample ID: ICB/CCB
 µL dispensed: 10 from 148, 5 from 147, 15 from 148

| Repl # | SampleConc µg/L | StndConc µg/L | Blncorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time | Peak Stored |
|--------|-----------------|---------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1 | -0.2 | -0.2 | -0.0003 | 0.0013 | 0.0033 | 0.0009 | 0.0025 | 10:23:08 | No |
| 2 | -0.3 | -0.3 | -0.0004 | 0.0012 | 0.0035 | -0.0005 | 0.0046 | 10:25:58 | No |
| Mean: | -0.2 | -0.2 | -0.0004 | | | | | | |
| SD : | 0.06 | 0.06 | 0.0001 | | | | | | |
| %RSD: | 26.84 | 26.84 | 25.52 | | | | | | |

QC value within specified limits. ✓

=====
 Element: Tl Seq. No.: 9 AS Loc.: 1 Date: 08/15/2006
 Sample ID: BH61418-blk1
 µL dispensed: 10 from 148, 5 from 147, 15 from 1

| Repl # | SampleConc µg/L | StndConc µg/L | Blncorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time | Peak Stored |
|--------|-----------------|---------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1 | -0.3 | -0.3 | -0.0005 | 0.0011 | 0.0045 | 0.0014 | 0.0101 | 10:28:48 | No |
| 2 | -0.6 | -0.6 | -0.0009 | 0.0007 | 0.0051 | 0.0015 | 0.0061 | 10:31:38 | No |
| Mean: | -0.5 | -0.5 | -0.0007 | | | | | | |
| SD : | 0.22 | 0.22 | 0.0003 | | | | | | |
| %RSD: | 46.56 | 46.56 | 45.37 | | | | | | |

QC value within specified limits. ✓

=====
 Element: Tl Seq. No.: 10 AS Loc.: 2 Date: 08/15/2006
 Sample ID: BH61418-bs1 x20
 µL dispensed: 10 from 148, 5 from 147, 15 from 2

| Repl # | SampleConc µg/L | StndConc µg/L | Blncorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time | Peak Stored |
|--------|-----------------|---------------|----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1 | 23.7 | 23.7 | 0.0349 | 0.0364 | 0.0590 | 0.0254 | 0.0363 | 10:34:28 | No |
| 2 | 24.3 | 24.3 | 0.0357 | 0.0373 | 0.0589 | 0.0234 | 0.0385 | 10:37:18 | No |
| Mean: | 24.0 | 24.0 | 0.0353 | | | | | | |
| SD : | 0.40 | 0.40 | 0.0006 | | | | | | |
| %RSD: | 1.67 | 1.67 | 1.67 | | | | | | |

QC value within specified limits. ✓

=====
 Element: T1 Seq. No.: 11 AS Loc.: 3 Date: 08/15/2006
 Sample ID: BH61418-bsdl x20
 µL dispensed: 10 from 148, 5 from 147, 15 from 3

| Repl # | SampleConc µg/L | StndConc µg/L | BlnkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time | Peak Stored |
|--------|-----------------|---------------|-----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1 | 25.1 | 25.1 | 0.0369 | 0.0385 | 0.0601 | 0.0244 | 0.0359 | 10:40:19 | No |
| 2 | 24.7 | 24.7 | 0.0363 | 0.0379 | 0.0609 | 0.0251 | 0.0392 | 10:43:09 | No |
| Mean: | 24.9 | 24.9 | 0.0366 | | | | | | |
| SD : | 0.28 | 0.28 | 0.0004 | | | | | | |
| %RSD: | 1.14 | 1.14 | 1.14 | | | | | | |

1055

=====
 Element: T1 Seq. No.: 12 AS Loc.: 4 Date: 08/15/2006
 Sample ID: BH61418-srml x50
 µL dispensed: 10 from 148, 5 from 147, 15 from 4

| Repl # | SampleConc µg/L | StndConc µg/L | BlnkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time | Peak Stored |
|--------|-----------------|---------------|-----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1 | 36.7 | 36.7 | 0.0540 | 0.0556 | 0.0921 | 0.0344 | 0.0552 | 10:45:59 | No |
| 2 | 34.6 | 34.6 | 0.0508 | 0.0524 | 0.0904 | 0.0343 | 0.0550 | 10:48:50 | No |
| Mean: | 35.7 | 35.7 | 0.0524 | | | | | | |
| SD : | 1.52 | 1.52 | 0.0022 | | | | | | |
| %RSD: | 4.27 | 4.27 | 4.27 | | | | | | |

35.7(50)(100)
 1000 = 178.5

=====
 Element: T1 Seq. No.: 13 AS Loc.: 5 Date: 08/15/2006
 Sample ID: 0608248-09 x5
 µL dispensed: 10 from 148, 5 from 147, 15 from 5

| Repl # | SampleConc µg/L | StndConc µg/L | BlnkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time | Peak Stored |
|--------|-----------------|---------------|-----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1 | -0.2 | -0.2 | -0.0004 | 0.0012 | 0.0048 | 0.0018 | 0.0057 | 10:51:40 | No |
| 2 | -0.5 | -0.5 | -0.0008 | 0.0008 | 0.0058 | 0.0008 | 0.0051 | 10:54:30 | No |
| Mean: | -0.4 | -0.4 | -0.0006 | | | | | | |
| SD : | 0.21 | 0.21 | 0.0003 | | | | | | |
| %RSD: | 56.09 | 56.09 | 54.33 | | | | | | |

W

=====
 Element: T1 Seq. No.: 14 AS Loc.: 6 Date: 08/15/2006
 Sample ID: 0608248-10 x5
 µL dispensed: 10 from 148, 5 from 147, 15 from 6

| Repl # | SampleConc µg/L | StndConc µg/L | BlnkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time | Peak Stored |
|--------|-----------------|---------------|-----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1 | -1.0 | -1.0 | -0.0015 | 0.0001 | 0.0052 | 0.0040 | 0.0069 | 10:57:20 | No |
| 2 | -0.8 | -0.8 | -0.0013 | 0.0003 | 0.0047 | 0.0027 | 0.0064 | 11:00:11 | No |
| Mean: | -0.9 | -0.9 | -0.0014 | | | | | | |
| SD : | 0.14 | 0.14 | 0.0002 | | | | | | |
| %RSD: | 14.51 | 14.51 | 14.32 | | | | | | |

W

=====
 Element: T1 Seq. No.: 15 AS Loc.: 7 Date: 08/15/2006
 Sample ID: 0608248-11 x5
 µL dispensed: 10 from 148, 5 from 147, 15 from 7

| Repl # | SampleConc µg/L | StndConc µg/L | BlnkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time | Peak Stored |
|--------|-----------------|---------------|-----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1 | -0.4 | -0.4 | -0.0005 | 0.0011 | 0.0059 | 0.0027 | 0.0070 | 11:03:02 | No |
| 2 | 0.1 | 0.1 | 0.0001 | 0.0017 | 0.0068 | 0.0007 | 0.0071 | 11:05:53 | No |
| Mean: | -0.1 | -0.1 | -0.0002 | | | | | | |
| SD : | 0.29 | 0.29 | 0.0004 | | | | | | |
| %RSD: | 196.9 | 196.9 | 181.70 | | | | | | |

W

=====
 Element: T1 Seq. No.: 16 AS Loc.: 7 Date: 08/15/2006
 Sample ID: 0608248-11 x5
 µL dispensed: 4 from 148, 5 from 147, 6 from 131, 15 from 7

| Repl # | SampleConc $\mu\text{g/L}$ | StndConc $\mu\text{g/L}$ | BlnkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time | Peak Stored |
|--------|----------------------------|--------------------------|-----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1 | 20.3 | 20.3 | 0.0298 | 0.0314 | 0.0695 | 0.0213 | 0.0448 | 11:08:52 | No |
| 2 | 22.6 | 22.6 | 0.0331 | 0.0347 | 0.0702 | 0.0200 | 0.0427 | 11:11:51 | No |
| Mean: | 21.4 | 21.4 | 0.0315 | | | | | | |
| SD : | 1.63 | 1.63 | 0.0024 | | | | | | |
| %RSD: | 7.60 | 7.60 | 7.61 | | | | | | |

Recovery for Tl = 107.1 % within 85 % to 115 %

=====
 Element: Tl Seq. No.: 17 AS Loc.: 8 Date: 08/15/2006
 Sample ID: BH61418-dup2 x5
 μL dispensed: 10 from 148, 5 from 147, 15 from 8

| Repl # | SampleConc $\mu\text{g/L}$ | StndConc $\mu\text{g/L}$ | BlnkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time | Peak Stored |
|--------|----------------------------|--------------------------|-----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1 | 0.6 | 0.6 | 0.0009 | 0.0025 | 0.0059 | 0.0012 | 0.0059 | 11:14:43 | No |
| 2 | -0.3 | -0.3 | -0.0004 | 0.0011 | 0.0033 | 0.0010 | 0.0042 | 11:17:33 | No |
| Mean: | 0.2 | 0.2 | 0.0002 | | | | | | |
| SD : | 0.64 | 0.64 | 0.0009 | | | | | | |
| %RSD: | 402.9 | 402.9 | 436.57 | | | | | | |

=====
 Element: Tl Seq. No.: 18 AS Loc.: 9 Date: 08/15/2006
 Sample ID: BH61418-ms2 x20
 μL dispensed: 10 from 148, 5 from 147, 15 from 9

| Repl # | SampleConc $\mu\text{g/L}$ | StndConc $\mu\text{g/L}$ | BlnkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time | Peak Stored |
|--------|----------------------------|--------------------------|-----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1 | 22.1 | 22.1 | 0.0325 | 0.0341 | 0.0628 | 0.0224 | 0.0402 | 11:20:24 | No |
| 2 | 22.3 | 22.3 | 0.0328 | 0.0344 | 0.0631 | 0.0223 | 0.0388 | 11:23:14 | No |
| Mean: | 22.2 | 22.2 | 0.0326 | | | | | | |
| SD : | 0.13 | 0.13 | 0.0002 | | | | | | |
| %RSD: | 0.57 | 0.57 | 0.57 | | | | | | |

=====
 Element: Tl Seq. No.: 19 AS Loc.: 10 Date: 08/15/2006
 Sample ID: BH61418-sd2 x25
 μL dispensed: 10 from 148, 5 from 147, 15 from 10

| Repl # | SampleConc $\mu\text{g/L}$ | StndConc $\mu\text{g/L}$ | BlnkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time | Peak Stored |
|--------|----------------------------|--------------------------|-----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1 | -0.3 | -0.3 | -0.0005 | 0.0011 | 0.0028 | 0.0027 | 0.0059 | 11:26:05 | No |
| 2 | -1.0 | -1.0 | -0.0015 | 0.0001 | 0.0048 | 0.0009 | 0.0050 | 11:28:56 | No |
| Mean: | -0.7 | -0.7 | -0.0010 | | | | | | |
| SD : | 0.46 | 0.46 | 0.0007 | | | | | | |
| %RSD: | 70.53 | 70.53 | 69.24 | | | | | | |

=====
 Element: Tl Seq. No.: 20 AS Loc.: 126 Date: 08/15/2006
 Sample ID: CCV
 μL dispensed: 10 from 148, 5 from 147, 15 from 126

| Repl # | SampleConc $\mu\text{g/L}$ | StndConc $\mu\text{g/L}$ | BlnkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time | Peak Stored |
|--------|----------------------------|--------------------------|-----------------|-----------|-------------|------------|--------------|----------|-------------|
| 1 | 25.2 | 25.2 | 0.0370 | 0.0386 | 0.0645 | 0.0256 | 0.0411 | 11:31:49 | No |
| 2 | 27.4 | 27.4 | 0.0402 | 0.0418 | 0.0661 | 0.0254 | 0.0425 | 11:34:41 | No |
| Mean: | 26.3 | 26.3 | 0.0386 | | | | | | |
| SD : | 1.57 | 1.57 | 0.0023 | | | | | | |
| %RSD: | 5.96 | 5.96 | 5.97 | | | | | | |

QC value within specified limits.

=====
 Element: Tl Seq. No.: 21 AS Loc.: 148 Date: 08/15/2006
 Sample ID: ICB/CCB
 μL dispensed: 10 from 148, 5 from 147, 15 from 148

| Repl # | SampleConc µg/L | StndConc µg/L | BlkCorr Signal | Peak Area | Peak Height | Bkgnd Area | Bkgnd Height | Time | Peak Stored |
|--------|--------------------|------------------|-------------------|--------------|----------------|---------------|-----------------|----------|----------------|
| 1 | -0.2 | -0.2 | -0.0003 | 0.0012 | 0.0054 | 0.0007 | 0.0051 | 11:37:33 | No |
| 2 | 0.0 | 0.0 | -0.0001 | 0.0015 | 0.0056 | 0.0016 | 0.0079 | 11:40:22 | No |
| Mean: | -0.1 | -0.1 | -0.0002 | | | | | | |
| SD : | 0.13 | 0.13 | 0.0002 | | | | | | |
| %RSD: | 95.34 | 95.34 | 87.29 | | | | | | |

QC value within specified limits. ✓

Metals Logbooks

PREPARATION BATCH SUMMARY

7841

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Batch: BH61418 Batch Matrix: Solid

Preparation: 3050B

| SAMPLE NAME | LAB SAMPLE ID | LAB FILE ID | DATE PREPARED | OBSERVATIONS |
|-------------|---------------|---------------|----------------|--|
| SS-SI70 B1 | 0608248-09 | 081506ya-013 | 08/14/06 14:45 | Data Package |
| SS-SI77 B1 | 0608248-10 | 081506ya-014 | 08/14/06 14:45 | Data Package |
| Vertex Fill | 0608248-11 | 081506ya-015 | 08/14/06 14:45 | Data Package |
| Blank | BH61418-BLK1 | 081506ya-009 | 08/14/06 14:45 | |
| Blank | BH61418-BLK3 | 081506ya-009 | 08/14/06 14:45 | |
| LCS | BH61418-BS1 | 081506ya-010 | 08/14/06 14:45 | |
| LCS | BH61418-BS3 | 081506ya-010 | 08/14/06 14:45 | |
| LCS Dup | BH61418-BSD1 | 081506ya-011 | 08/14/06 14:45 | |
| LCS Dup | BH61418-BSD3 | 081506ya-011 | 08/14/06 14:45 | |
| Vertex Fill | BH61418-DUP2 | 081506ya-016 | 08/14/06 14:45 | |
| Vertex Fill | BH61418-DUP6 | 081506ya-016 | 08/14/06 14:45 | |
| SS-SI70 N | BH61418-MS1 | 081406NAD-036 | 08/14/06 14:45 | |
| Vertex Fill | BH61418-MS2 | 081506ya-017 | 08/14/06 14:45 | |
| Vertex Fill | BH61418-MS6 | 081506ya-017 | 08/14/06 14:45 | |
| Vertex Fill | BH61418-PS6 | | 08/14/06 14:45 | [Spk] 1.78g->100ml; 2ml->10ml; Spiked 0.015ml |
| Reference | BH61418-SRM1 | 081506ya-012 | 08/14/06 14:45 | |
| Reference | BH61418-SRM4 | 081506ya-012 | 08/14/06 14:45 | |

ESS LABORATORY METALS PREP LOGBOOK

ANALYST: WMS
 DATE: 8/1/04
 TIME: 11:15 AM
 Batch ID: 6501007
 HNO₃ Reagent - AR#: 040802D
 1:1 HCl Reagent - WR#: 060802B
 1:1 HNO₃ Reagent - WR#: 060707F
 H₂O₂ Reagent - AR#: 040802D
 Hot Plate Temp (°C)
 #3 → 95

| Sample ID | matrix | pH | Initial wg/vol | Final wg/vol | QC ID/Lot # | QC wg/vol | Method | Hot Plate Number | Comments |
|-------------------------------|--------|----|-------------------|-----------------|-------------|--------------|--------|---------------------|----------|
| 6501007 - 8/1/04 - 6501007 | S | " | " | 1.00M | " | " | 3050 | 105#2 | |
| 831 | ↓ | ↓ | ↓ | | 6501007 | 0.50-1 | | | |
| 831 | ↓ | " | " | | 6501007 | 0.50-1 | | | |
| 831 | 6 | | 1.00 | | 6501007 | | | | |
| 832 | 0 | | 1.023 | | ST19015 | | | | |
| 08228-01 | part | | 1.033 | | " | | | | |
| 08228-02 | S | | 1.753 | | | | | | |
| 08228-03 | | | 1.73 | | | | | | |
| 08228-04 | | | 1.833 | | | | | | |
| 08228-05 | | | 1.83 | | | | | | |
| 08228-06 | | | 1.863 | | | | | | |
| 08228-07 | | | 1.73 | | | | | | |
| 08228-08 | | | 1.83 | | | | | | |
| 08228-09 | | | 1.763 | | | | | | |
| 08228-10 | S | " | 1.763 | 1.00 | | | 3050 | 105#2 | |

MATRIX KEY: AQ = AQUEOUS, S = SOIL, O = OIL, F = FILTER, D = SLUDGE

HOLDING TIME SUMMARY

7841

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

| Sample Name | Date Collected | Date Received | Date Prepared | Days to Prep | Max Days to Prep | Date Analyzed | Days to Analysis | Max Days to Analysis | Q |
|-------------|-------------------|-------------------|-------------------|--------------|------------------|-------------------|------------------|----------------------|---|
| SS-SI70 B1 | 08/14/06 13:30 | 08/14/06 14:15 | 08/14/06 14:45 | 0.05 | 180.00 | 08/15/06 10:54 | 0.89 | 180.00 | |
| SS-SI77 B1 | 08/14/06 13:40 | 08/14/06 14:15 | 08/14/06 14:45 | 0.05 | 180.00 | 08/15/06 11:00 | 0.89 | 180.00 | |
| Vertex Fill | 08/14/06 14:00 | 08/14/06 14:15 | 08/14/06 14:45 | 0.03 | 180.00 | 08/15/06 11:05 | 0.88 | 180.00 | |

Volatile Organics Data Package

Volatile Organics Sample Data

ESS Laboratory

SDG: 0608248

CLASS: MSVOA

METHOD: 8260B

ANALYSES DATA PACKAGE COVER PAGE

8260B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Client Sample Id:

Vertex Fill

Lab Sample Id:

0608248-11

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures.

Signature: _____

Name: _____

Date: _____

Title: _____

METHOD DETECTION AND REPORTING LIMITS

8260B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Solid

Instrument: VMS1

| Analyte | MDL | MRL | Units |
|-----------------------------|------|------|-------|
| 1,1,1,2-Tetrachloroethane | 32.0 | 100 | ug/Kg |
| 1,1,1-Trichloroethane | 12.0 | 50.0 | ug/Kg |
| 1,1,2,2-Tetrachloroethane | 14.0 | 50.0 | ug/Kg |
| 1,1,2-Trichloroethane | 21.0 | 50.0 | ug/Kg |
| 1,1-Dichloroethane | 14.0 | 50.0 | ug/Kg |
| 1,1-Dichloroethene | 11.0 | 50.0 | ug/Kg |
| 1,1-Dichloropropene | 9.0 | 50.0 | ug/Kg |
| 1,2,3-Trichlorobenzene | 11.0 | 50.0 | ug/Kg |
| 1,2,3-Trichloropropane | 25.0 | 50.0 | ug/Kg |
| 1,2,4-Trichlorobenzene | 10.0 | 50.0 | ug/Kg |
| 1,2,4-Trimethylbenzene | 11.0 | 50.0 | ug/Kg |
| 1,2-Dibromo-3-Chloropropane | 100 | 250 | ug/Kg |
| 1,2-Dibromoethane | 10.0 | 50.0 | ug/Kg |
| 1,2-Dichlorobenzene | 10.0 | 50.0 | ug/Kg |
| 1,2-Dichloroethane | 12.0 | 50.0 | ug/Kg |
| 1,2-Dichloropropane | 14.0 | 50.0 | ug/Kg |
| 1,3,5-Trimethylbenzene | 13.0 | 50.0 | ug/Kg |
| 1,3-Dichlorobenzene | 11.0 | 50.0 | ug/Kg |
| 1,3-Dichloropropane | 9.0 | 50.0 | ug/Kg |
| 1,4-Dichlorobenzene | 13.0 | 50.0 | ug/Kg |
| 1,4-Dioxane - Screen | 2400 | 5000 | ug/Kg |
| 1-Chlorohexane | 12.0 | 50.0 | ug/Kg |
| 2,2-Dichloropropane | 23.0 | 100 | ug/Kg |
| 2-Butanone | 204 | 1250 | ug/Kg |
| 2-Chlorotoluene | 14.0 | 50.0 | ug/Kg |
| 2-Hexanone | 50.0 | 500 | ug/Kg |
| 4-Chlorotoluene | 12.0 | 50.0 | ug/Kg |
| 4-Isopropyltoluene | 12.0 | 50.0 | ug/Kg |
| 4-Methyl-2-Pentanone | 63.0 | 500 | ug/Kg |
| Acetone | 425 | 1250 | ug/Kg |
| Benzene | 14.0 | 50.0 | ug/Kg |
| Bromobenzene | 10.0 | 50.0 | ug/Kg |
| Bromochloromethane | 15.0 | 50.0 | ug/Kg |
| Bromodichloromethane | 13.0 | 50.0 | ug/Kg |
| Bromoform | 11.0 | 50.0 | ug/Kg |
| Bromomethane | 10.0 | 100 | ug/Kg |
| Carbon Disulfide | 12.0 | 50.0 | ug/Kg |

METHOD DETECTION AND REPORTING LIMITS

8260B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Solid

Instrument: VMS1

| Analyte | MDL | MRL | Units |
|----------------------------|------|------|-------|
| Carbon Tetrachloride | 13.0 | 50.0 | ug/Kg |
| Chlorobenzene | 11.0 | 50.0 | ug/Kg |
| Chloroethane | 30.0 | 100 | ug/Kg |
| Chloroform | 11.0 | 50.0 | ug/Kg |
| Chloromethane | 15.0 | 100 | ug/Kg |
| cis-1,2-Dichloroethene | 14.0 | 50.0 | ug/Kg |
| cis-1,3-Dichloropropene | 10.0 | 50.0 | ug/Kg |
| Dibromochloromethane | 8.0 | 50.0 | ug/Kg |
| Dibromomethane | 13.0 | 50.0 | ug/Kg |
| Dichlorodifluoromethane | 11.0 | 50.0 | ug/Kg |
| Diethyl Ether | 14.0 | 50.0 | ug/Kg |
| Di-isopropyl ether | 11.0 | 50.0 | ug/Kg |
| Ethyl tertiary-butyl ether | 10.0 | 50.0 | ug/Kg |
| Ethylbenzene | 11.0 | 50.0 | ug/Kg |
| Hexachlorobutadiene | 22.0 | 50.0 | ug/Kg |
| Isopropylbenzene | 11.0 | 50.0 | ug/Kg |
| Methyl tert-Butyl Ether | 11.0 | 50.0 | ug/Kg |
| Methylene Chloride | 19.0 | 250 | ug/Kg |
| Naphthalene | 8.0 | 50.0 | ug/Kg |
| n-Butylbenzene | 11.0 | 50.0 | ug/Kg |
| n-Propylbenzene | 10.0 | 50.0 | ug/Kg |
| sec-Butylbenzene | 12.0 | 50.0 | ug/Kg |
| Styrene | 12.0 | 50.0 | ug/Kg |
| tert-Butylbenzene | 11.0 | 50.0 | ug/Kg |
| Tertiary-amyl methyl ether | 14.0 | 50.0 | ug/Kg |
| Tetrachloroethene | 12.0 | 50.0 | ug/Kg |
| Tetrahydrofuran | 100 | 250 | ug/Kg |
| Toluene | 13.0 | 50.0 | ug/Kg |
| trans-1,2-Dichloroethene | 16.0 | 50.0 | ug/Kg |
| trans-1,3-Dichloropropene | 12.0 | 50.0 | ug/Kg |
| Trichloroethene | 11.0 | 50.0 | ug/Kg |
| Trichlorofluoromethane | 13.0 | 50.0 | ug/Kg |
| Vinyl Acetate | 19.0 | 250 | ug/Kg |
| Vinyl Chloride | 12.0 | 50.0 | ug/Kg |
| Xylene O | 9.0 | 50.0 | ug/Kg |
| Xylene P,M | 24.0 | 100 | ug/Kg |

ORGANIC ANALYSIS DATA SHEET

8260B

Vertex Fill

| | | | |
|-------------|--|----------------|-------------------------------|
| Laboratory: | <u>ESS Laboratory</u> | SDG: | <u>0608248</u> |
| Client: | <u>MACTEC Engineering & Consulting, Inc.</u> | Project: | <u>Providence Gorham Site</u> |
| Matrix: | <u>Soil</u> | Laboratory ID: | <u>0608248-11</u> |
| | | File ID: | <u>M1041775.D</u> |
| Sampled: | <u>08/14/06 14:00</u> | Prepared: | <u>08/14/06 15:00</u> |
| | | Analyzed: | <u>08/15/06 01:25</u> |
| Solids: | <u>99.00</u> | Preparation: | <u>5035</u> |
| | | Initial/Final: | <u>29.8 g / 15 ml</u> |
| Batch: | <u>BH61428</u> | Sequence: | <u>BPH0148</u> |
| | | Calibration: | <u>0608018</u> |
| | | Instrument: | <u>VMS1</u> |

| CAS NO. | COMPOUND | DILUTION | CONC. (ug/Kg dry) | Q |
|----------|-----------------------------|----------|-------------------|---|
| 630-20-6 | 1,1,1,2-Tetrachloroethane | 1 | 51.9 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 1 | 25.9 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1 | 25.9 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 1 | 25.9 | U |
| 75-34-3 | 1,1-Dichloroethane | 1 | 25.9 | U |
| 75-35-4 | 1,1-Dichloroethene | 1 | 25.9 | U |
| 563-58-6 | 1,1-Dichloropropene | 1 | 25.9 | U |
| 87-61-6 | 1,2,3-Trichlorobenzene | 1 | 25.9 | U |
| 96-18-4 | 1,2,3-Trichloropropane | 1 | 25.9 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1 | 25.9 | U |
| 95-63-6 | 1,2,4-Trimethylbenzene | 1 | 25.9 | U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 1 | 130 | U |
| 106-93-4 | 1,2-Dibromoethane | 1 | 25.9 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1 | 25.9 | U |
| 107-06-2 | 1,2-Dichloroethane | 1 | 25.9 | U |
| 78-87-5 | 1,2-Dichloropropane | 1 | 25.9 | U |
| 108-67-8 | 1,3,5-Trimethylbenzene | 1 | 25.9 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1 | 25.9 | U |
| 142-28-9 | 1,3-Dichloropropane | 1 | 25.9 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1 | 25.9 | U |
| 123-91-1 | 1,4-Dioxane - Screen | 1 | 2590 | U |
| 544-10-5 | 1-Chlorohexane | 1 | 25.9 | U |
| 594-20-7 | 2,2-Dichloropropane | 1 | 51.9 | U |
| 78-93-3 | 2-Butanone | 1 | 648 | U |
| 95-49-8 | 2-Chlorotoluene | 1 | 25.9 | U |
| 591-78-6 | 2-Hexanone | 1 | 259 | U |
| 106-43-4 | 4-Chlorotoluene | 1 | 25.9 | U |
| 99-87-6 | 4-Isopropyltoluene | 1 | 25.9 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 1 | 259 | U |
| 67-64-1 | Acetone | 1 | 648 | U |
| 71-43-2 | Benzene | 1 | 25.9 | U |
| 108-86-1 | Bromobenzene | 1 | 25.9 | U |
| 74-97-5 | Bromochloromethane | 1 | 25.9 | U |
| 75-27-4 | Bromodichloromethane | 1 | 25.9 | U |
| 75-25-2 | Bromoform | 1 | 25.9 | U |
| 74-83-9 | Bromomethane | 1 | 51.9 | U |
| 75-15-0 | Carbon Disulfide | 1 | 25.9 | U |
| 56-23-5 | Carbon Tetrachloride | 1 | 25.9 | U |
| 108-90-7 | Chlorobenzene | 1 | 25.9 | U |
| 75-00-3 | Chloroethane | 1 | 51.9 | U |

ORGANIC ANALYSIS DATA SHEET

8260B

Vertex Fill

Laboratory: ESS Laboratory SDG: 0608248
 Client: MACTEC Engineering & Consulting, Inc. Project: Providence Gorham Site
 Matrix: Soil Laboratory ID: 0608248-11 File ID: M1041775.D
 Sampled: 08/14/06 14:00 Prepared: 08/14/06 15:00 Analyzed: 08/15/06 01:25
 Solids: 99.00 Preparation: 5035 Initial/Final: 29.8 g / 15 ml
 Batch: BH61428 Sequence: BPH0148 Calibration: 0608018 Instrument: VMS1

| CAS NO. | COMPOUND | DILUTION | CONC. (ug/Kg dry) | Q |
|------------|----------------------------|----------|-------------------|---|
| 67-66-3 | Chloroform | 1 | 25.9 | U |
| 74-87-3 | Chloromethane | 1 | 51.9 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 1 | 25.9 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 1 | 25.9 | U |
| 124-48-1 | Dibromochloromethane | 1 | 25.9 | U |
| 74-95-3 | Dibromomethane | 1 | 25.9 | U |
| 75-71-8 | Dichlorodifluoromethane | 1 | 25.9 | U |
| 60-29-7 | Diethyl Ether | 1 | 25.9 | U |
| 108-20-3 | Di-isopropyl ether | 1 | 25.9 | U |
| 637-92-3 | Ethyl tertiary-butyl ether | 1 | 25.9 | U |
| 100-41-4 | Ethylbenzene | 1 | 25.9 | U |
| 87-68-3 | Hexachlorobutadiene | 1 | 25.9 | U |
| 98-82-8 | Isopropylbenzene | 1 | 25.9 | U |
| 1634-04-4 | Methyl tert-Butyl Ether | 1 | 25.9 | U |
| 75-09-2 | Methylene Chloride | 1 | 130 | U |
| 91-20-3 | Naphthalene | 1 | 25.9 | U |
| 104-51-8 | n-Butylbenzene | 1 | 25.9 | U |
| 103-65-1 | n-Propylbenzene | 1 | 25.9 | U |
| 135-98-8 | sec-Butylbenzene | 1 | 25.9 | U |
| 100-42-5 | Styrene | 1 | 25.9 | U |
| 98-06-6 | tert-Butylbenzene | 1 | 25.9 | U |
| 99-40-58 | Tertiary-amyl methyl ether | 1 | 25.9 | U |
| 127-18-4 | Tetrachloroethene | 1 | 25.9 | U |
| 109-99-9 | Tetrahydrofuran | 1 | 130 | U |
| 108-88-3 | Toluene | 1 | 25.9 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 1 | 25.9 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 1 | 25.9 | U |
| 79-01-6 | Trichloroethene | 1 | 25.9 | U |
| 75-69-4 | Trichlorofluoromethane | 1 | 25.9 | U |
| 108-05-4 | Vinyl Acetate | 1 | 130 | U |
| 75-01-4 | Vinyl Chloride | 1 | 25.9 | U |
| 95-47-6 | Xylene O | 1 | 25.9 | U |
| 1330-20-7 | Xylene P,M | 1 | 51.9 | U |

| SYSTEM MONITORING COMPOUND | ADDED (ug/Kg dry) | CONC (ug/Kg dry) | % REC | QC LIMITS | Q |
|----------------------------|-------------------|------------------|-------|-----------|---|
| 1,2-Dichloroethane-d4 | 1270 | 1330 | 105 | 70 - 130 | D |
| 4-Bromofluorobenzene | 1270 | 1200 | 94 | 70 - 130 | D |
| Dibromofluoromethane | 1270 | 1470 | 116 | 70 - 130 | D |
| Toluene-d8 | 1270 | 1330 | 105 | 70 - 130 | D |

| INTERNAL STANDARD | AREA | RT | REF AREA | REF RT | Q |
|-------------------|------|----|----------|--------|---|
| | | | | | |

ORGANIC ANALYSIS DATA SHEET

8260B

Vertex Fill

Laboratory: ESS Laboratory SDG: 0608248
Client: MACTEC Engineering & Consulting, Inc. Project: Providence Gorham Site
Matrix: Soil Laboratory ID: 0608248-11 File ID: M1041775.D
Sampled: 08/14/06 14:00 Prepared: 08/14/06 15:00 Analyzed: 08/15/06 01:25
Solids: 99.00 Preparation: 5035 Initial/Final: 29.8 g / 15 ml
Batch: BH61428 Sequence: BPH0148 Calibration: 0608018 Instrument: VMS1

| INTERNAL STANDARD | AREA | RT | REF AREA | REF RT | Q |
|------------------------|---------|-------|----------|--------|---|
| Fluorobenzene | 4094060 | 6.07 | 4172114 | 6.07 | |
| Chlorobenzene-d5 | 3807991 | 10.13 | 3888376 | 10.13 | |
| 1,4-Dichlorobenzene-D4 | 1658871 | 13.83 | 1866153 | 13.83 | |

* Values outside of QC limits

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA081406\M1041775.D Vial: 42
 Acq On : 15 Aug 106 1:25 am Operator: RES
 Sample : 0608248-11 Inst : VOA MASS
 Misc : 100 Multiplr: 1.00
 Quant Time: Aug 15 10:07 19106

Method : C:\HPCHEM\1\METHODS\HI080806.M
 Title : Element ID: 0607032
 Last Update : Mon Aug 14 08:54:06 2006
 Response via : Multiple Level Calibration

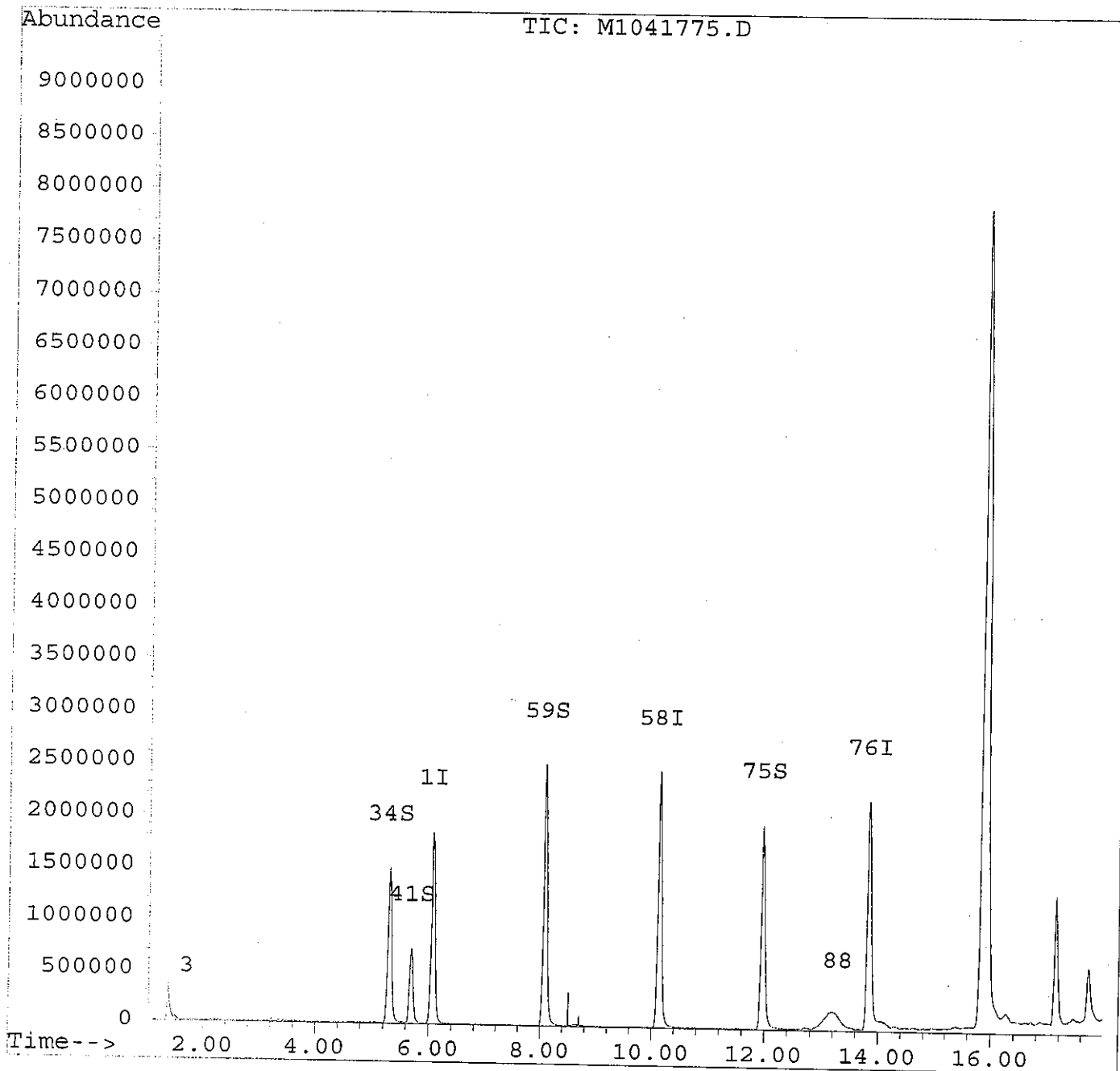
| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|----------------------------------|-------|------|----------|-------|-------|-----------|
| 1) Fluorobenzene | 6.07 | 96 | 4094060 | 25.00 | ug/l | 0.00 |
| 58) Chlorobenzene-d5 | 10.13 | 117 | 3807991 | 25.00 | ug/l | 0.00 |
| 76) 1,4 Dichlorobenzene-D4 | 13.83 | 152 | 1658871 | 25.00 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | %Recovery |
| 34) Dibromofluoromethane (SURR) | 5.31 | 111 | 2152714 | 28.35 | ug/l | 113.39% |
| 41) 1,2-Dichloroethane-d4 (SURR) | 5.69 | 65 | 980072 | 25.67 | ug/l | 102.69% |
| 59) Toluene-d8 (SURR) | 8.08 | 98 | 4393906 | 25.60 | ug/l | 102.39% |
| 75) Bromofluorobenzene (SURR) | 11.96 | 95 | 2262255 | 23.22 | ug/l | 92.88% |
| Target Compounds | | | | | | Qvalue |
| 3) Chloromethane | 1.72 | 50 | 8922 | 0.18 | ug/l | 85 |
| 88) 1,2,4-Trimethylbenzene | 13.29 | 105 | 15712 | 0.11 | ug/l | 91 |

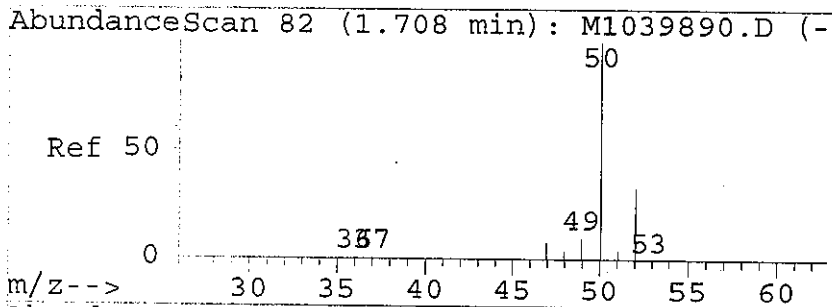
(#) = qualifier out of range (m) = manual integration
 M1041775.D HI080806.M Tue Aug 15 10:08:22 2006

Quantitation Report

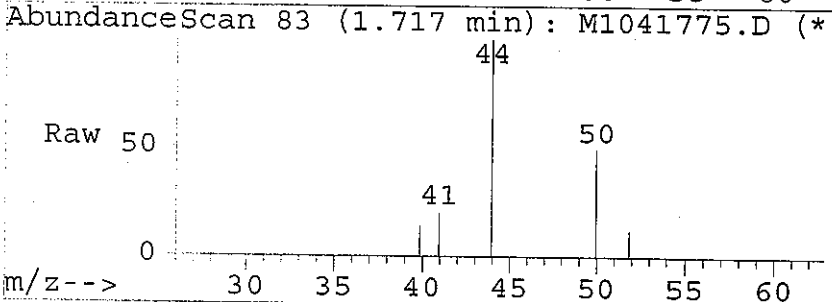
Data File : Q:\VOA\MS1_MA\MA0806\MA081406\M1041775.D Vial: 42
Acq On : 15 Aug 106 1:25 am Operator: RES
Sample : 0608248-11 Inst : VOA MASS
Misc : 100 Multiplr: 1.00
Quant Time: Aug 15 10:07 19106

Method : C:\HPCHEM\1\METHODS\HI080806.M
Title : Element ID: 0607032
Last Update : Mon Aug 14 08:54:06 2006
Response via : Multiple Level Calibration

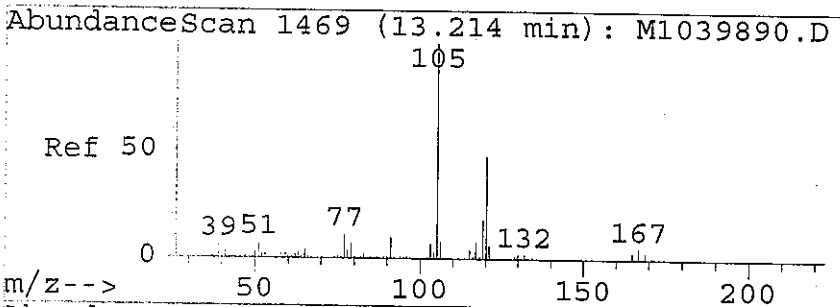
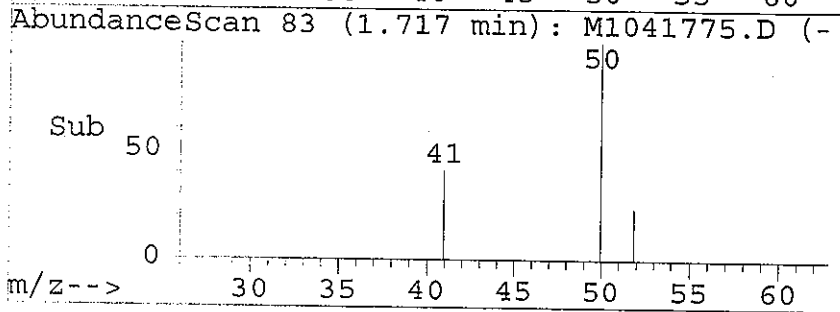
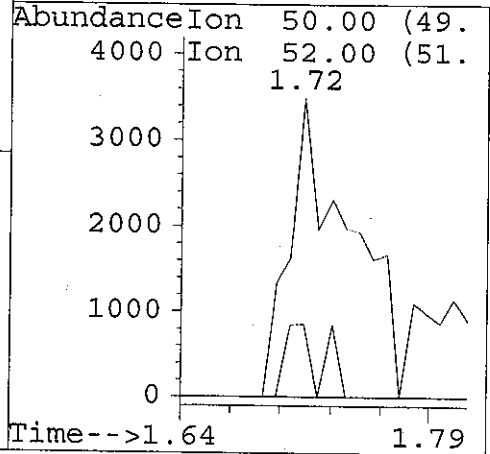




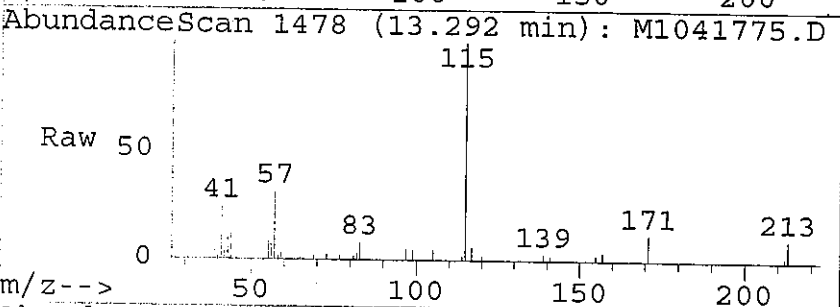
#3
 Chloromethane
 Concen: 0.18 ug/l
 RT: 1.72 min Scan# 83
 Delta R.T. -0.01 min
 Lab File: M1041775.D
 Acq: 15 Aug 106 1:25 am



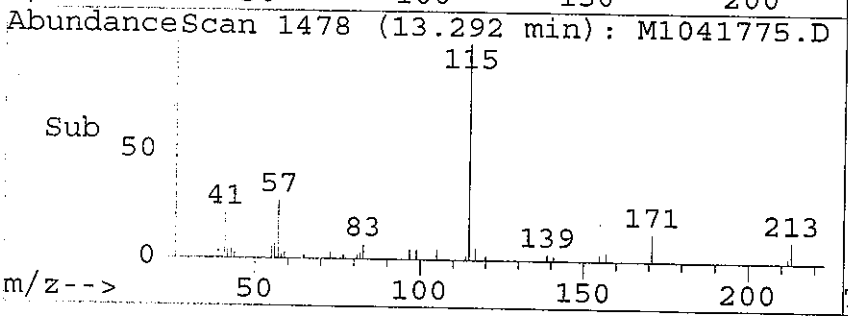
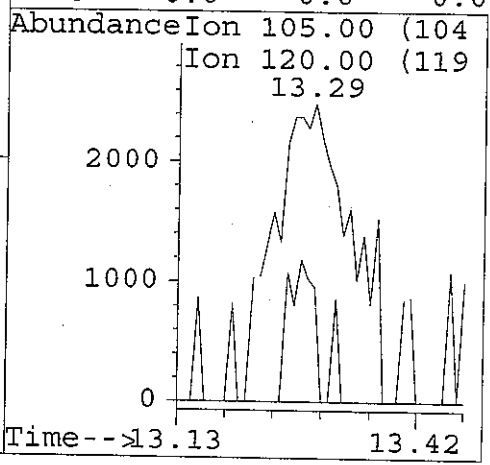
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 50 | 8922 | | |
| 52 | 24.5 | 3.2 | 63.2 |
| 0 | 0.0 | 0.0 | 0.0 |
| 0 | 0.0 | 0.0 | 0.0 |



#88
 1,2,4-Trimethylbenzene
 Concen: 0.11 ug/l
 RT: 13.29 min Scan# 1478
 Delta R.T. 0.02 min
 Lab File: M1041775.D
 Acq: 15 Aug 106 1:25 am



| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 105 | 15712 | | |
| 120 | 38.4 | 14.2 | 74.2 |
| 0 | 0.0 | 0.0 | 0.0 |
| 0 | 0.0 | 0.0 | 0.0 |

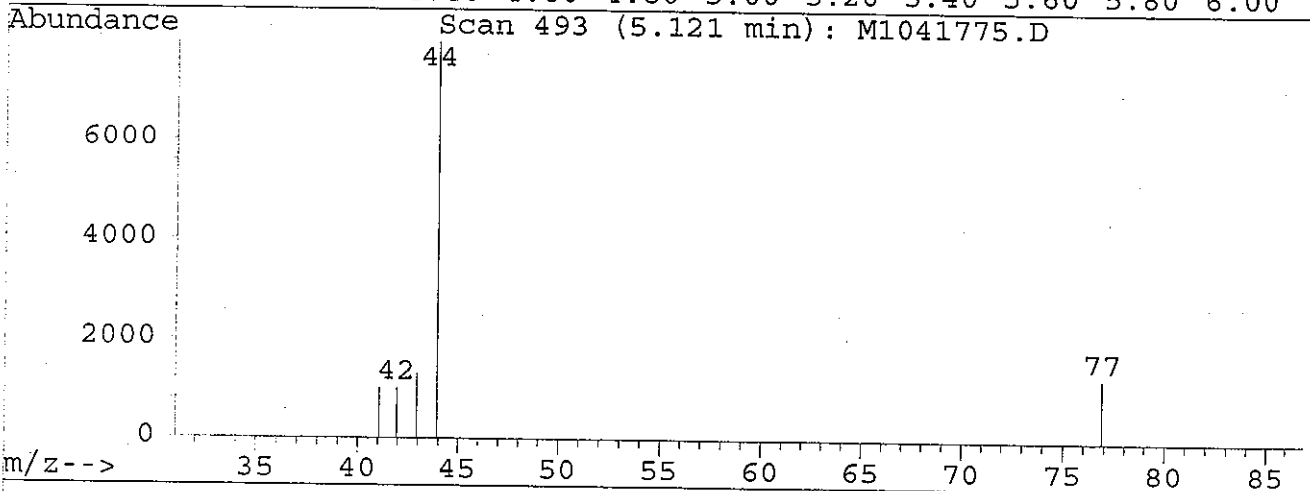
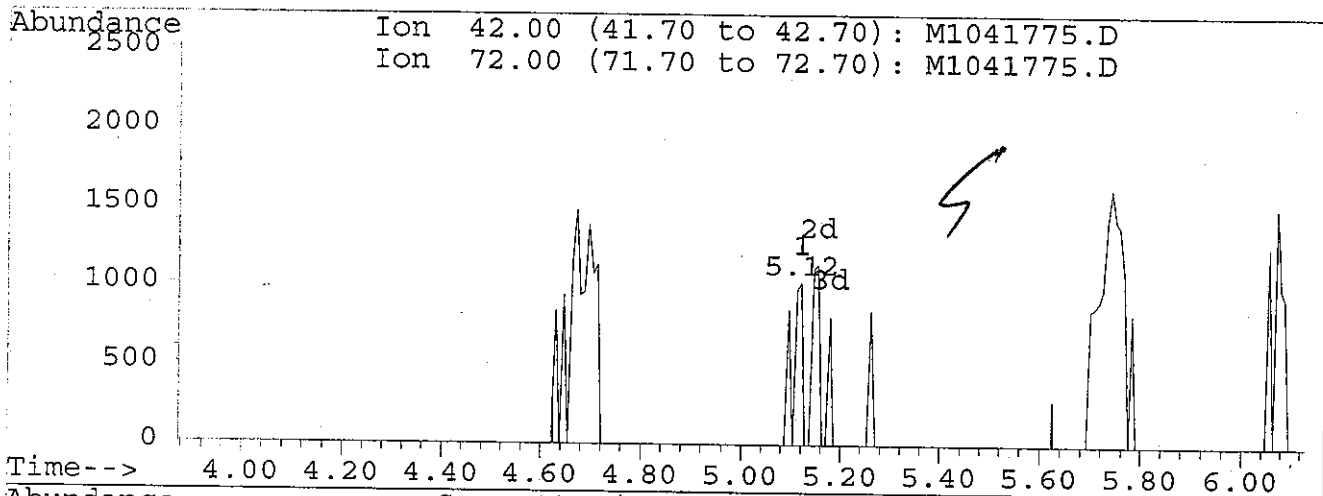


Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA081406\M1041775.D
 Acq On : 15 Aug 106 1:25 am
 Sample : 0608248-11
 Misc : 100
 Quant Time: Aug 15 10:07 19106

Vial: 42
 Operator: RES
 Inst : VOA MASS
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\HI080806.M
 Title : Element ID: 0607032
 Last Update : Mon Aug 14 08:54:06 2006
 Response via : Multiple Level Calibration



TIC: M1041775.D

(32) Tetrahydrofuran

5.12min 0.20ug/l

response 1418

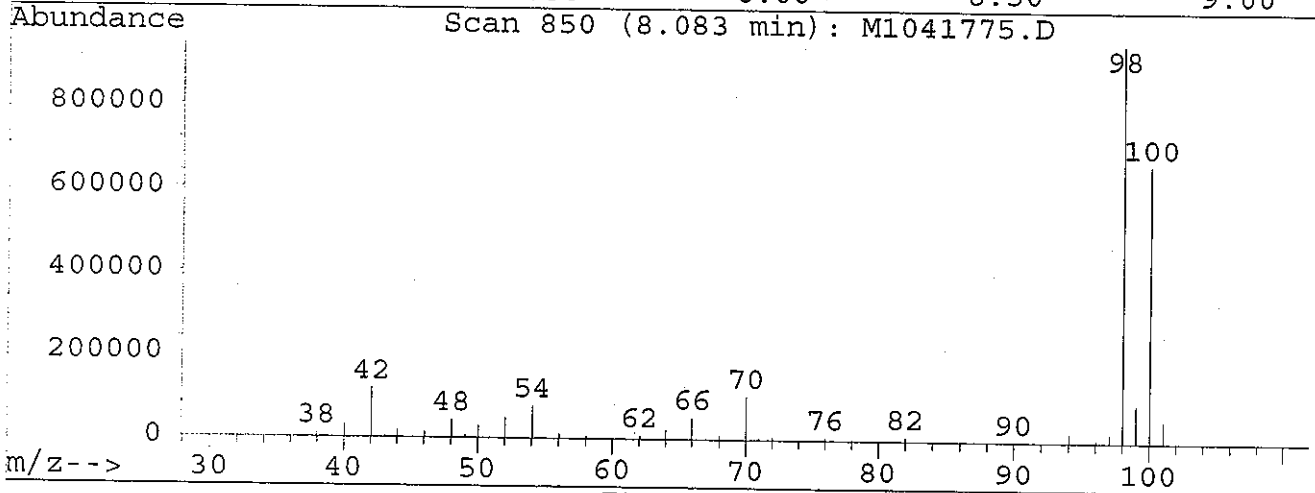
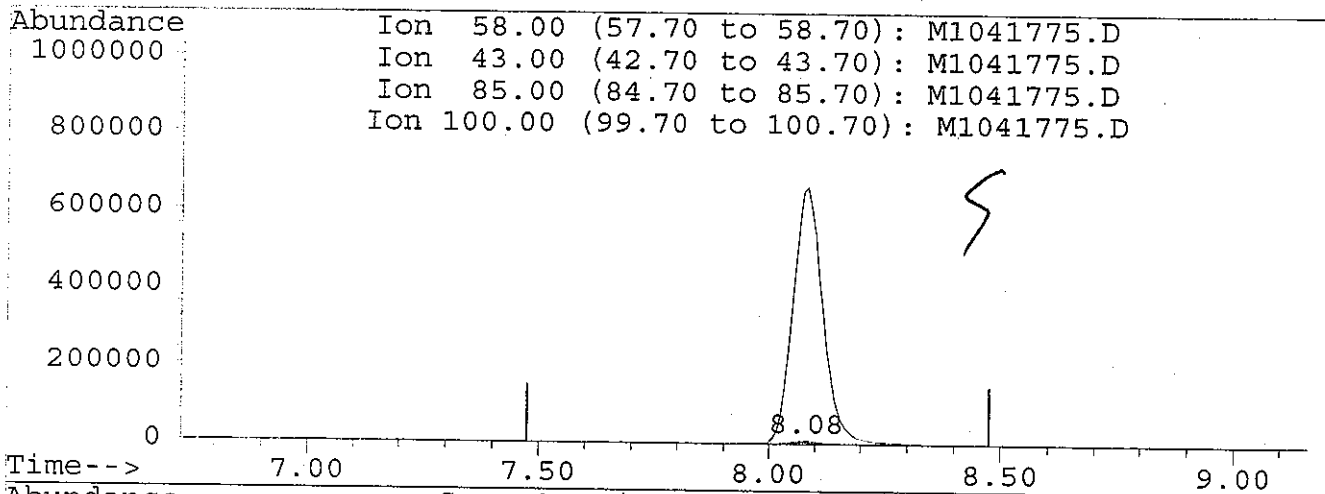
| Ion | Exp% | Act% |
|-------|-------|-------|
| 42.00 | 100 | 100 |
| 72.00 | 44.70 | 0.00# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA081406\M1041775.D
 Acq On : 15 Aug 106 1:25 am
 Sample : 0608248-11
 Misc : 100
 Quant Time: Aug 15 10:07 19106

Vial: 42
 Operator: RES
 Inst : VOA MASS
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\HI080806.M
 Title : Element ID: 0607032
 Last Update : Mon Aug 14 08:54:06 2006
 Response via : Multiple Level Calibration



TIC: M1041775.D

(53) 4-Methyl-2-Pentanone
 8.08min 2.56ug/l
 response 35210

| Ion | Exp% | Act% |
|--------|--------|----------|
| 58.00 | 100 | 100 |
| 43.00 | 255.30 | 58.50# |
| 85.00 | 35.00 | 0.00# |
| 100.00 | 38.40 | 8296.12# |

Volatile Organics Quality Control Data

METHOD BLANK DATA SHEET
8260B

| | | | | | |
|-------------|--|----------------|-------------------------------|----------------|---------------------|
| Laboratory: | <u>ESS Laboratory</u> | SDG: | <u>0608248</u> | | |
| Client: | <u>MACTEC Engineering & Consulting, Inc.</u> | Project: | <u>Providence Gorham Site</u> | | |
| Matrix: | <u>Solid</u> | Laboratory ID: | <u>BH61428-BLK1</u> | File ID: | <u>M1041770.D</u> |
| Prepared: | <u>08/14/06 15:00</u> | Preparation: | <u>5035</u> | Initial/Final: | <u>15 g / 15 ml</u> |
| Analyzed: | <u>08/14/06 23:09</u> | Instrument: | <u>VMS1</u> | | |
| Batch: | <u>BH61428</u> | Sequence: | <u>BPH0148</u> | Calibration: | <u>0608018</u> |

| CAS NO. | COMPOUND | CONC. (ug/Kg wet) | Q |
|----------|-----------------------------|-------------------|---|
| 630-20-6 | 1,1,1,2-Tetrachloroethane | 100 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 50.0 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 50.0 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 50.0 | U |
| 75-34-3 | 1,1-Dichloroethane | 50.0 | U |
| 75-35-4 | 1,1-Dichloroethene | 50.0 | U |
| 563-58-6 | 1,1-Dichloropropene | 50.0 | U |
| 87-61-6 | 1,2,3-Trichlorobenzene | 50.0 | U |
| 96-18-4 | 1,2,3-Trichloropropane | 50.0 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 50.0 | U |
| 95-63-6 | 1,2,4-Trimethylbenzene | 50.0 | U |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 250 | U |
| 106-93-4 | 1,2-Dibromoethane | 50.0 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 50.0 | U |
| 107-06-2 | 1,2-Dichloroethane | 50.0 | U |
| 78-87-5 | 1,2-Dichloropropane | 50.0 | U |
| 108-67-8 | 1,3,5-Trimethylbenzene | 50.0 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 50.0 | U |
| 142-28-9 | 1,3-Dichloropropane | 50.0 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 50.0 | U |
| 123-91-1 | 1,4-Dioxane - Screen | 5000 | U |
| 544-10-5 | 1-Chlorohexane | 50.0 | U |
| 594-20-7 | 2,2-Dichloropropane | 100 | U |
| 78-93-3 | 2-Butanone | 1250 | U |
| 95-49-8 | 2-Chlorotoluene | 50.0 | U |
| 591-78-6 | 2-Hexanone | 500 | U |
| 106-43-4 | 4-Chlorotoluene | 50.0 | U |
| 99-87-6 | 4-Isopropyltoluene | 50.0 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 500 | U |
| 67-64-1 | Acetone | 1250 | U |

METHOD BLANK DATA SHEET
8260B

| | | | |
|--|--|------------------------------------|--|
| Laboratory: <u>ESS Laboratory</u> | SDG: <u>0608248</u> | | |
| Client: <u>MACTEC Engineering & Consulting, Inc.</u> | Project: <u>Providence Gorham Site</u> | | |
| Matrix: <u>Solid</u> | Laboratory ID: <u>BH61428-BLK1</u> | File ID: <u>M1041770.D</u> | |
| Prepared: <u>08/14/06 15:00</u> | Preparation: <u>5035</u> | Initial/Final: <u>15 g / 15 ml</u> | |
| Analyzed: <u>08/14/06 23:09</u> | Instrument: <u>VMS1</u> | | |
| Batch: <u>BH61428</u> | Sequence: <u>BPH0148</u> | Calibration: <u>0608018</u> | |

| CAS NO. | COMPOUND | CONC. (ug/Kg wet) | Q |
|------------|----------------------------|-------------------|---|
| 71-43-2 | Benzene | 50.0 | U |
| 108-86-1 | Bromobenzene | 50.0 | U |
| 74-97-5 | Bromochloromethane | 50.0 | U |
| 75-27-4 | Bromodichloromethane | 50.0 | U |
| 75-25-2 | Bromoform | 50.0 | U |
| 74-83-9 | Bromomethane | 100 | U |
| 75-15-0 | Carbon Disulfide | 50.0 | U |
| 56-23-5 | Carbon Tetrachloride | 50.0 | U |
| 108-90-7 | Chlorobenzene | 50.0 | U |
| 75-00-3 | Chloroethane | 100 | U |
| 67-66-3 | Chloroform | 50.0 | U |
| 74-87-3 | Chloromethane | 100 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 50.0 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 50.0 | U |
| 124-48-1 | Dibromochloromethane | 50.0 | U |
| 74-95-3 | Dibromomethane | 50.0 | U |
| 75-71-8 | Dichlorodifluoromethane | 50.0 | U |
| 60-29-7 | Diethyl Ether | 50.0 | U |
| 108-20-3 | Di-isopropyl ether | 50.0 | U |
| 637-92-3 | Ethyl tertiary-butyl ether | 50.0 | U |
| 100-41-4 | Ethylbenzene | 50.0 | U |
| 87-68-3 | Hexachlorobutadiene | 50.0 | U |
| 98-82-8 | Isopropylbenzene | 50.0 | U |
| 1634-04-4 | Methyl tert-Butyl Ether | 50.0 | U |
| 75-09-2 | Methylene Chloride | 250 | U |
| 91-20-3 | Naphthalene | 50.0 | U |
| 104-51-8 | n-Butylbenzene | 50.0 | U |
| 103-65-1 | n-Propylbenzene | 50.0 | U |
| 135-98-8 | sec-Butylbenzene | 50.0 | U |
| 100-42-5 | Styrene | 50.0 | U |

METHOD BLANK DATA SHEET

8260B

| | | | |
|--|--|------------------------------------|--|
| Laboratory: <u>ESS Laboratory</u> | SDG: <u>0608248</u> | | |
| Client: <u>MACTEC Engineering & Consulting, Inc.</u> | Project: <u>Providence Gorham Site</u> | | |
| Matrix: <u>Solid</u> | Laboratory ID: <u>BH61428-BLK1</u> | File ID: <u>M1041770.D</u> | |
| Prepared: <u>08/14/06 15:00</u> | Preparation: <u>5035</u> | Initial/Final: <u>15 g / 15 ml</u> | |
| Analyzed: <u>08/14/06 23:09</u> | Instrument: <u>VMS1</u> | | |
| Batch: <u>BH61428</u> | Sequence: <u>BPH0148</u> | Calibration: <u>0608018</u> | |

| CAS NO. | COMPOUND | CONC. (ug/Kg wet) | Q |
|------------|----------------------------|-------------------|---|
| 98-06-6 | tert-Butylbenzene | 50.0 | U |
| 99-40-58 | Tertiary-amyl methyl ether | 50.0 | U |
| 127-18-4 | Tetrachloroethene | 50.0 | U |
| 109-99-9 | Tetrahydrofuran | 250 | U |
| 108-88-3 | Toluene | 50.0 | U |
| 156-60-5 | trans-1,2-Dichloroethene | 50.0 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 50.0 | U |
| 79-01-6 | Trichloroethene | 50.0 | U |
| 75-69-4 | Trichlorofluoromethane | 50.0 | U |
| 108-05-4 | Vinyl Acetate | 250 | U |
| 75-01-4 | Vinyl Chloride | 50.0 | U |
| 95-47-6 | Xylene O | 50.0 | U |
| 1330-20-7 | Xylene P,M | 100 | U |

| SYSTEM MONITORING COMPOUND | ADDED (ug/Kg wet) | CONC (ug/Kg wet) | % REC | QC LIMITS | Q |
|----------------------------|-------------------|------------------|-------|-----------|---|
| 1,2-Dichloroethane-d4 | 2500 | 2680 | 107 | 70 - 130 | D |
| 4-Bromofluorobenzene | 2500 | 2360 | 94 | 70 - 130 | D |
| Dibromofluoromethane | 2500 | 2830 | 113 | 70 - 130 | D |
| Toluene-d8 | 2500 | 2500 | 100 | 70 - 130 | D |

| INTERNAL STANDARD | AREA | RT | REF AREA | REF RT | Q |
|------------------------|---------|-------|----------|--------|---|
| Fluorobenzene | 4317891 | 6.07 | 4172114 | 6.07 | |
| Chlorobenzene-d5 | 4077472 | 10.14 | 3888376 | 10.13 | |
| 1,4-Dichlorobenzene-D4 | 1898954 | 13.83 | 1866153 | 13.83 | |

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA081406\M1041770.D Vial: 37
 Acq On : 14 Aug 106 11:09 pm Operator: RES
 Sample : BH61428-BLK1 Inst : VOA MASS
 Misc : 100 Multiplr: 1.00
 Quant Time: Aug 15 9:58 19106

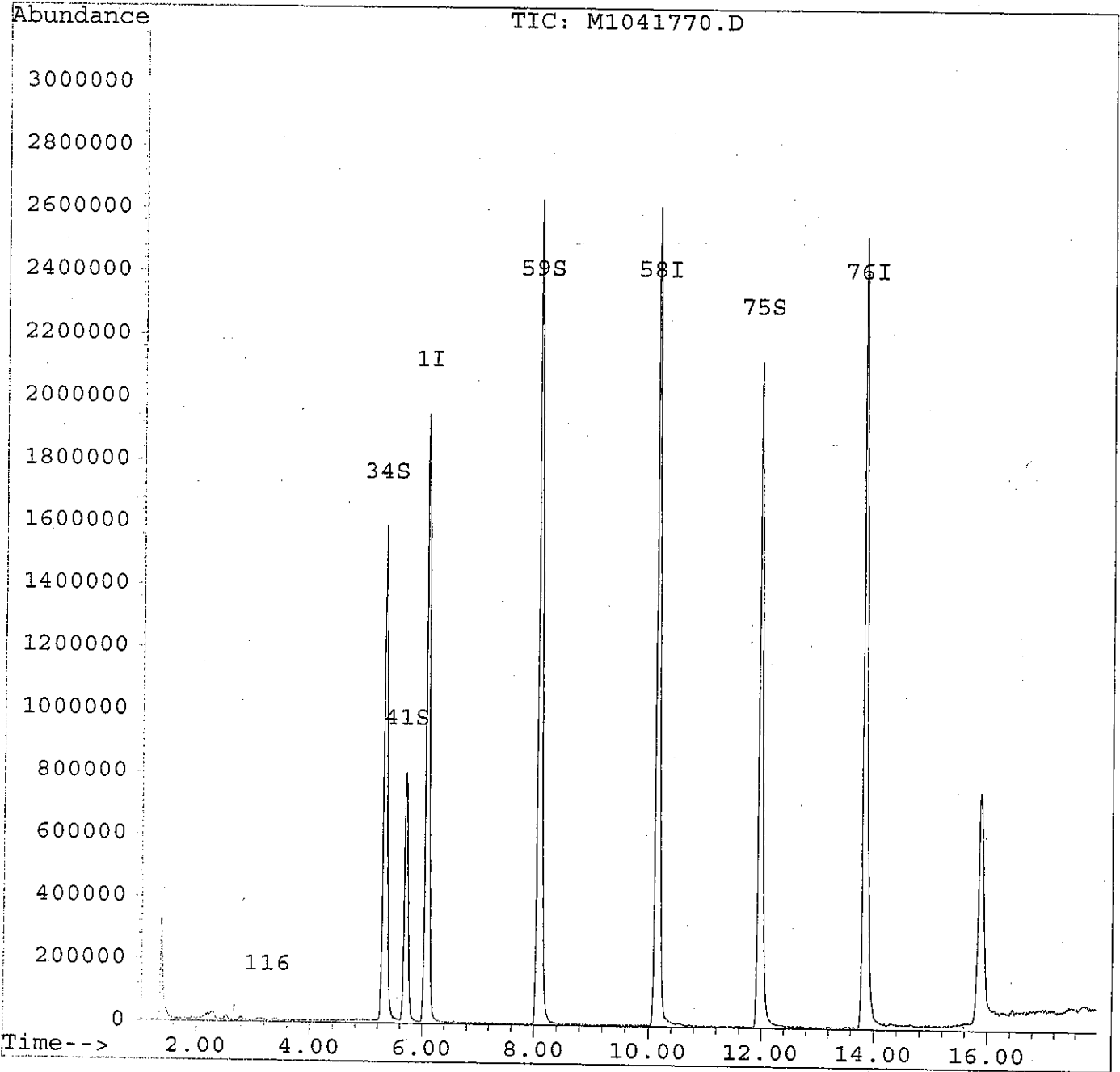
Method : C:\HPCHEM\1\METHODS\HI080806.M
 Title : Element ID: 0607032
 Last Update : Mon Aug 14 08:54:06 2006
 Response via : Multiple Level Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------|-------|------|----------|-------|-------|-----------|
| 1) Fluorobenzene | 6.07 | 96 | 4317891 | 25.00 | ug/l | 0.00 |
| 58) Chlorobenzene-d5 | 10.14 | 117 | 4077472 | 25.00 | ug/l | 0.00 |
| 76) 1,4 Dichlorobenzene-D4 | 13.83 | 152 | 1898954 | 25.00 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | %Recovery |
| 34) Dibromofluoromethane (SURR) | 5.31 | 111 | 2263217 | 28.26 | ug/l | 113.04% |
| 41) 1,2-Dichloroethane-d4 (SURR) | 5.68 | 65 | 1079122 | 26.80 | ug/l | 107.20% |
| 59) Toluene-d8 (SURR) | 8.08 | 98 | 4598679 | 25.02 | ug/l | 100.08% |
| 75) Bromofluorobenzene (SURR) | 11.96 | 95 | 2459304 | 23.57 | ug/l | 94.30% |
| Target Compounds | | | | | | Qvalue |
| 11) Acetone | 3.10 | 58 | 1286 | 0.77 | ug/l | # 83 |
| 16) Methyl Acetate | 3.40 | 43 | 22975 | 0.90 | ug/l | 96 |

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA081406\M1041770.D Vial: 37
Acq On : 14 Aug 106 11:09 pm Operator: RES
Sample : BH61428-BLK1 Inst : VOA MASS
Misc : 100 Multiplr: 1.00
Quant Time: Aug 15 9:58 19106

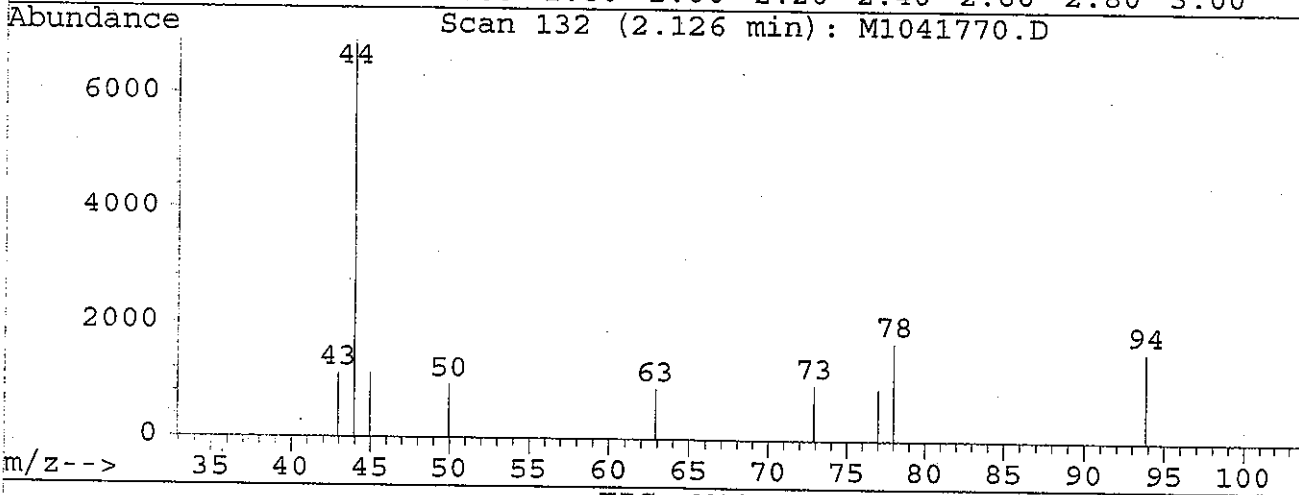
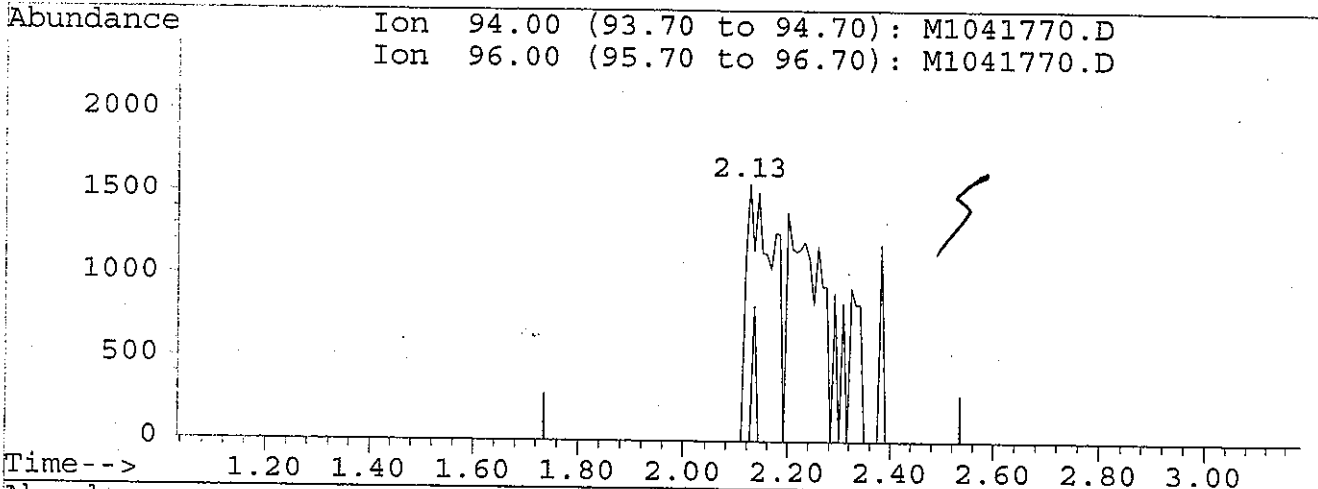
Method : C:\HPCHEM\1\METHODS\HI080806.M
Title : Element ID: 0607032
Last Update : Mon Aug 14 08:54:06 2006
Response via : Multiple Level Calibration



Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA081406\M1041770.D Vial: 37
 Acq On : 14 Aug 106 11:09 pm Operator: RES
 Sample : BH61428-BLK1 Inst : VOA MASS
 Misc : 100 Multiplr: 1.00
 Quant Time: Aug 14 23:27 19106

Method : C:\HPCHEM\1\METHODS\HI080806.M
 Title : Element ID: 0607032
 Last Update : Mon Aug 14 08:54:06 2006
 Response via : Multiple Level Calibration



TIC: M1041770.D

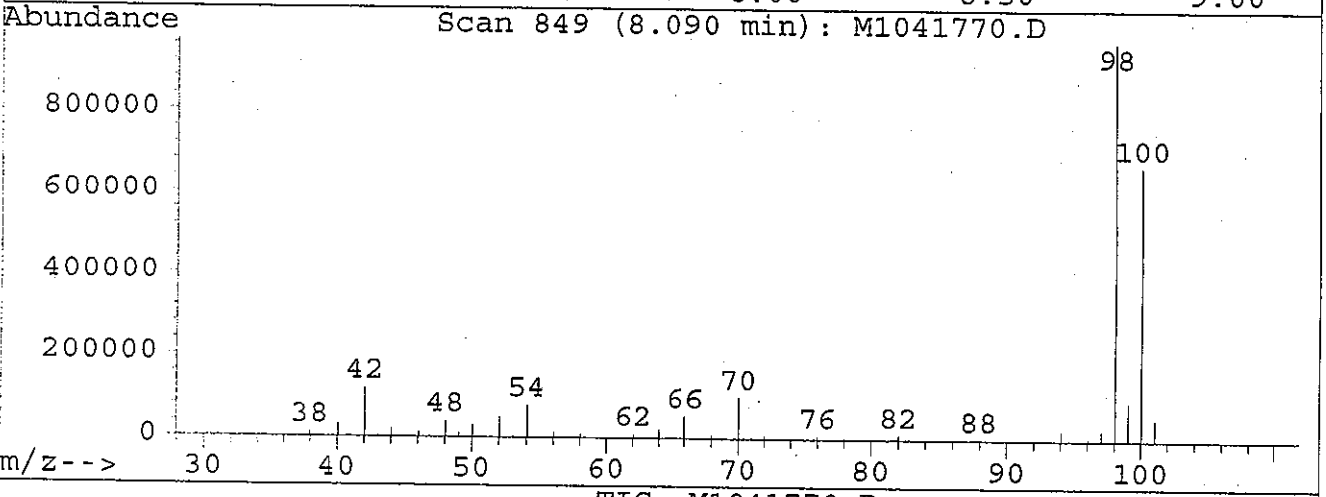
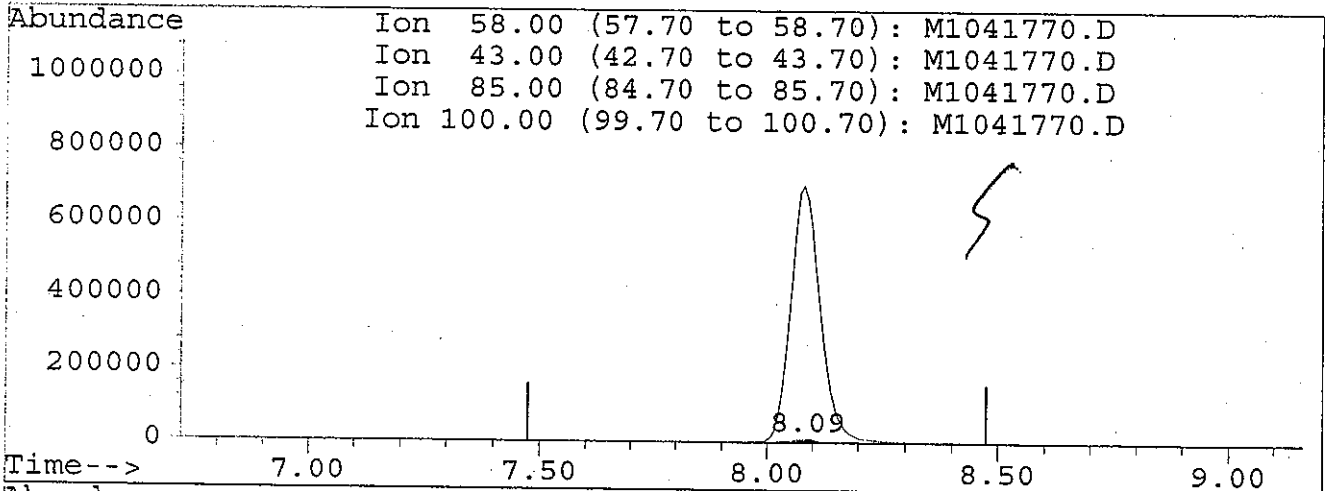
(5) Bromomethane
 2.13min 0.14ug/l
 response 5537

| Ion | Exp% | Act% |
|-------|-------|-------|
| 94.00 | 100 | 100 |
| 96.00 | 91.70 | 0.00# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA081406\M1041770.D Vial: 37
 Acq On : 14 Aug 106 11:09 pm Operator: RES
 Sample : BH61428-BLK1 Inst : VOA MASS
 Misc : 100 Multiplr: 1.00
 Quant Time: Aug 15 9:57 19106

Method : C:\HPCHEM\1\METHODS\HI080806.M
 Title : Element ID: 0607032
 Last Update : Mon Aug 14 08:54:06 2006
 Response via : Multiple Level Calibration



TIC: M1041770.D

(53) 4-Methyl-2-Pentanone

8.09min 2.59ug/l

response 37490

| Ion | Exp% | Act% |
|--------|--------|----------|
| 58.00 | 100 | 100 |
| 43.00 | 255.30 | 51.97# |
| 85.00 | 35.00 | 0.00# |
| 100.00 | 38.40 | 7122.17# |

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

8260B

Vertex Fill

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Solid

Batch: BH61428

Laboratory ID: BH61428-MS1

Preparation: 5035

Initial/Final: 0.1986667 g / 10 ml

Source Sample Name: Vertex Fill

| COMPOUND | SPIKE ADDED (ug/L) | SAMPLE CONCENTRATION (ug/L) | MS CONCENTRATION (ug/L) | MS % REC. # | QC LIMITS REC. |
|-----------------------------|--------------------|-----------------------------|-------------------------|-------------|----------------|
| 1,1,1,2-Tetrachloroethane | 25.0 | ND | 27.0 | 108 | 70 - 130 |
| 1,1,1-Trichloroethane | 25.0 | ND | 29.6 | 118 | 70 - 130 |
| 1,1,2,2-Tetrachloroethane | 25.0 | ND | 23.0 | 92 | 70 - 130 |
| 1,1,2-Trichloroethane | 25.0 | ND | 29.0 | 116 | 70 - 130 |
| 1,1-Dichloroethane | 25.0 | ND | 29.4 | 118 | 70 - 130 |
| 1,1-Dichloroethene | 25.0 | ND | 31.5 | 126 | 70 - 130 |
| 1,1-Dichloropropene | 25.0 | ND | 28.9 | 116 | 70 - 130 |
| 1,2,3-Trichlorobenzene | 25.0 | ND | 4.2 | 17 * | 70 - 130 |
| 1,2,3-Trichloropropane | 25.0 | ND | 23.1 | 92 | 70 - 130 |
| 1,2,4-Trichlorobenzene | 25.0 | ND | 9.3 | 37 * | 70 - 130 |
| 1,2,4-Trimethylbenzene | 25.0 | 0.112 | 26.0 | 104 | 70 - 130 |
| 1,2-Dibromo-3-Chloropropane | 25.0 | ND | 14.2 | 57 * | 70 - 130 |
| 1,2-Dibromoethane | 25.0 | ND | 26.6 | 106 | 70 - 130 |
| 1,2-Dichlorobenzene | 25.0 | ND | 23.9 | 96 | 70 - 130 |
| 1,2-Dichloroethane | 25.0 | ND | 28.3 | 113 | 70 - 130 |
| 1,2-Dichloropropane | 25.0 | ND | 28.8 | 115 | 70 - 130 |
| 1,3,5-Trimethylbenzene | 25.0 | ND | 26.0 | 104 | 70 - 130 |
| 1,3-Dichlorobenzene | 25.0 | ND | 24.6 | 98 | 70 - 130 |
| 1,3-Dichloropropane | 25.0 | ND | 26.8 | 107 | 70 - 130 |
| 1,4-Dichlorobenzene | 25.0 | ND | 23.5 | 94 | 70 - 130 |
| 1,4-Dioxane - Screen | 500 | ND | 86.1 | 17 * | 70 - 130 |
| 1-Chlorohexane | 25.0 | ND | 22.8 | 91 | 70 - 130 |
| 2,2-Dichloropropane | 25.0 | ND | 20.0 | 80 | 70 - 130 |
| 2-Butanone | 125 | ND | 129 | 103 | 70 - 130 |
| 2-Chlorotoluene | 25.0 | ND | 26.0 | 104 | 70 - 130 |
| 2-Hexanone | 125 | ND | 121 | 97 | 70 - 130 |
| 4-Chlorotoluene | 25.0 | ND | 25.9 | 104 | 70 - 130 |
| 4-Isopropyltoluene | 25.0 | ND | 24.4 | 98 | 70 - 130 |
| 4-Methyl-2-Pentanone | 125 | ND | 141 | 113 | 70 - 130 |
| Acetone | 125 | ND | 127 | 102 | 70 - 130 |
| Benzene | 25.0 | ND | 30.1 | 120 | 70 - 130 |
| Bromobenzene | 25.0 | ND | 28.0 | 112 | 70 - 130 |

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

8260B

Vertex Fill

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Solid

Batch: BH61428

Laboratory ID: BH61428-MS1

Preparation: 5035

Initial/Final: 0.1986667 g / 10 ml

Source Sample Name: Vertex Fill

| COMPOUND | SPIKE ADDED (ug/L) | SAMPLE CONCENTRATION (ug/L) | MS CONCENTRATION (ug/L) | MS % REC. # | QC LIMITS REC. |
|----------------------------|--------------------|-----------------------------|-------------------------|-------------|----------------|
| Bromochloromethane | 25.0 | ND | 29.9 | 120 | 70 - 130 |
| Bromodichloromethane | 25.0 | ND | 32.0 | 128 | 70 - 130 |
| Bromoform | 25.0 | ND | 23.9 | 96 | 70 - 130 |
| Bromomethane | 25.0 | ND | 25.9 | 104 | 70 - 130 |
| Carbon Disulfide | 25.0 | ND | 31.2 | 125 | 70 - 130 |
| Carbon Tetrachloride | 25.0 | ND | 29.9 | 120 | 70 - 130 |
| Chlorobenzene | 25.0 | ND | 26.4 | 106 | 70 - 130 |
| Chloroethane | 25.0 | ND | 29.4 | 118 | 70 - 130 |
| Chloroform | 25.0 | ND | 29.8 | 119 | 70 - 130 |
| Chloromethane | 25.0 | 0.184 | 24.3 | 96 | 70 - 130 |
| cis-1,2-Dichloroethene | 25.0 | ND | 31.3 | 125 | 70 - 130 |
| cis-1,3-Dichloropropene | 25.0 | ND | 28.4 | 114 | 70 - 130 |
| Dibromochloromethane | 25.0 | ND | 27.9 | 112 | 70 - 130 |
| Dibromomethane | 25.0 | ND | 30.3 | 121 | 70 - 130 |
| Dichlorodifluoromethane | 25.0 | ND | 22.6 | 90 | 70 - 130 |
| Diethyl Ether | 25.0 | ND | 29.9 | 120 | 70 - 130 |
| Di-isopropyl ether | 25.0 | ND | 28.5 | 114 | 70 - 130 |
| Ethyl tertiary-butyl ether | 25.0 | ND | 28.1 | 112 | 70 - 130 |
| Ethylbenzene | 25.0 | ND | 27.0 | 108 | 70 - 130 |
| Hexachlorobutadiene | 25.0 | ND | 17.2 | 69 * | 70 - 130 |
| Isopropylbenzene | 25.0 | ND | 24.8 | 99 | 70 - 130 |
| Methyl tert-Butyl Ether | 25.0 | ND | 28.6 | 114 | 70 - 130 |
| Methylene Chloride | 25.0 | ND | 28.7 | 115 | 70 - 130 |
| Naphthalene | 25.0 | ND | 5.7 | 23 * | 70 - 130 |
| n-Butylbenzene | 25.0 | ND | 23.7 | 95 | 70 - 130 |
| n-Propylbenzene | 25.0 | ND | 25.8 | 103 | 70 - 130 |
| sec-Butylbenzene | 25.0 | ND | 24.6 | 98 | 70 - 130 |
| Styrene | 25.0 | ND | 27.0 | 108 | 70 - 130 |
| tert-Butylbenzene | 25.0 | ND | 25.5 | 102 | 70 - 130 |
| Tertiary-amyl methyl ether | 25.0 | ND | 27.8 | 111 | 70 - 130 |
| Tetrachloroethene | 25.0 | ND | 26.1 | 104 | 70 - 130 |
| Tetrahydrofuran | 25.0 | ND | 25.4 | 102 | 70 - 130 |

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

8260B

Vertex Fill

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Solid

Batch: BH61428

Laboratory ID: BH61428-MS1

Preparation: 5035

Initial/Final: 0.1986667 g / 10 ml

Source Sample Name: Vertex Fill

| COMPOUND | SPIKE ADDED (ug/L) | SAMPLE CONCENTRATION (ug/L) | MS CONCENTRATION (ug/L) | MS % REC. # | QC LIMITS REC. |
|---------------------------|--------------------|-----------------------------|-------------------------|-------------|----------------|
| Toluene | 25.0 | ND | 29.7 | 119 | 70 - 130 |
| trans-1,2-Dichloroethene | 25.0 | ND | 30.1 | 120 | 70 - 130 |
| trans-1,3-Dichloropropene | 25.0 | ND | 25.5 | 102 | 70 - 130 |
| Trichloroethene | 25.0 | ND | 28.9 | 116 | 70 - 130 |
| Trichlorofluoromethane | 25.0 | ND | 26.5 | 106 | 70 - 130 |
| Vinyl Acetate | 25.0 | ND | 25.7 | 103 | 70 - 130 |
| Vinyl Chloride | 25.0 | ND | 26.8 | 107 | 70 - 130 |
| Xylene O | 25.0 | ND | 26.3 | 105 | 70 - 130 |
| Xylene P,M | 50.0 | ND | 53.2 | 106 | 70 - 130 |

| COMPOUND | SPIKE ADDED (ug/L) | MSD CONCENTRATION (ug/L) | MSD % REC. # | % RPD # | QC LIMITS | |
|-----------------------------|--------------------|--------------------------|--------------|---------|-----------|----------|
| | | | | | RPD | REC. |
| 1,1,1,2-Tetrachloroethane | 25.0 | 26.4 | 106 | 2 | 30 | 70 - 130 |
| 1,1,1-Trichloroethane | 25.0 | 33.0 | 132 * | 11 | 30 | 70 - 130 |
| 1,1,2,2-Tetrachloroethane | 25.0 | 23.0 | 92 | 0 | 30 | 70 - 130 |
| 1,1,2-Trichloroethane | 25.0 | 32.1 | 128 | 10 | 30 | 70 - 130 |
| 1,1-Dichloroethane | 25.0 | 31.8 | 127 | 7 | 30 | 70 - 130 |
| 1,1-Dichloroethene | 25.0 | 33.6 | 134 * | 6 | 30 | 70 - 130 |
| 1,1-Dichloropropene | 25.0 | 32.8 | 131 * | 12 | 30 | 70 - 130 |
| 1,2,3-Trichlorobenzene | 25.0 | 20.8 | 83 | 132 * | 30 | 70 - 130 |
| 1,2,3-Trichloropropane | 25.0 | 22.6 | 90 | 2 | 30 | 70 - 130 |
| 1,2,4-Trichlorobenzene | 25.0 | 19.4 | 78 | 71 * | 30 | 70 - 130 |
| 1,2,4-Trimethylbenzene | 25.0 | 24.8 | 99 | 5 | 30 | 70 - 130 |
| 1,2-Dibromo-3-Chloropropane | 25.0 | 21.4 | 86 | 41 * | 30 | 70 - 130 |
| 1,2-Dibromoethane | 25.0 | 26.5 | 106 | 0 | 30 | 70 - 130 |
| 1,2-Dichlorobenzene | 25.0 | 23.8 | 95 | 1 | 30 | 70 - 130 |
| 1,2-Dichloroethane | 25.0 | 28.6 | 114 | 0.9 | 30 | 70 - 130 |
| 1,2-Dichloropropane | 25.0 | 31.0 | 124 | 8 | 30 | 70 - 130 |
| 1,3,5-Trimethylbenzene | 25.0 | 24.7 | 99 | 5 | 30 | 70 - 130 |
| 1,3-Dichlorobenzene | 25.0 | 23.9 | 96 | 2 | 30 | 70 - 130 |
| 1,3-Dichloropropane | 25.0 | 26.7 | 107 | 0 | 30 | 70 - 130 |
| 1,4-Dichlorobenzene | 25.0 | 23.0 | 92 | 2 | 30 | 70 - 130 |

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

8260B

Vertex Fill

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Solid

Batch: BH61428

Laboratory ID: BH61428-MSD1

Preparation: 5035

Initial/Final: 0.1986667 g / 10 ml

Source Sample Name: Vertex Fill

| COMPOUND | SPIKE ADDED (ug/L) | MSD CONCENTRATION (ug/L) | MSD % REC. # | % RPD # | QC LIMITS | |
|----------------------------|--------------------|--------------------------|--------------|---------|-----------|----------|
| | | | | | RPD | REC. |
| 1,4-Dioxane - Screen | 500 | 332 | 66 * | 118 * | 30 | 70 - 130 |
| 1-Chlorohexane | 25.0 | 22.2 | 89 | 2 | 30 | 70 - 130 |
| 2,2-Dichloropropane | 25.0 | 21.8 | 87 | 8 | 30 | 70 - 130 |
| 2-Butanone | 125 | 153 | 122 | 17 | 30 | 70 - 130 |
| 2-Chlorotoluene | 25.0 | 25.3 | 101 | 3 | 30 | 70 - 130 |
| 2-Hexanone | 125 | 125 | 100 | 3 | 30 | 70 - 130 |
| 4-Chlorotoluene | 25.0 | 25.0 | 100 | 4 | 30 | 70 - 130 |
| 4-Isopropyltoluene | 25.0 | 23.6 | 94 | 4 | 30 | 70 - 130 |
| 4-Methyl-2-Pentanone | 125 | 156 | 125 | 10 | 30 | 70 - 130 |
| Acetone | 125 | 142 | 114 | 11 | 30 | 70 - 130 |
| Benzene | 25.0 | 28.6 | 114 | 5 | 30 | 70 - 130 |
| Bromobenzene | 25.0 | 26.6 | 106 | 6 | 30 | 70 - 130 |
| Bromochloromethane | 25.0 | 32.9 | 132 * | 10 | 30 | 70 - 130 |
| Bromodichloromethane | 25.0 | 34.6 | 138 * | 8 | 30 | 70 - 130 |
| Bromoform | 25.0 | 24.2 | 97 | 1 | 30 | 70 - 130 |
| Bromomethane | 25.0 | 28.2 | 113 | 8 | 30 | 70 - 130 |
| Carbon Disulfide | 25.0 | 33.1 | 132 * | 5 | 30 | 70 - 130 |
| Carbon Tetrachloride | 25.0 | 33.0 | 132 * | 10 | 30 | 70 - 130 |
| Chlorobenzene | 25.0 | 25.6 | 102 | 4 | 30 | 70 - 130 |
| Chloroethane | 25.0 | 31.3 | 125 | 6 | 30 | 70 - 130 |
| Chloroform | 25.0 | 32.7 | 131 * | 10 | 30 | 70 - 130 |
| Chloromethane | 25.0 | 25.9 | 103 | 7 | 30 | 70 - 130 |
| cis-1,2-Dichloroethene | 25.0 | 34.1 | 136 * | 8 | 30 | 70 - 130 |
| cis-1,3-Dichloropropene | 25.0 | 30.8 | 123 | 8 | 30 | 70 - 130 |
| Dibromochloromethane | 25.0 | 27.8 | 111 | 0.9 | 30 | 70 - 130 |
| Dibromomethane | 25.0 | 33.4 | 134 * | 10 | 30 | 70 - 130 |
| Dichlorodifluoromethane | 25.0 | 24.3 | 97 | 7 | 30 | 70 - 130 |
| Diethyl Ether | 25.0 | 32.8 | 131 * | 9 | 30 | 70 - 130 |
| Di-isopropyl ether | 25.0 | 31.7 | 127 | 11 | 30 | 70 - 130 |
| Ethyl tertiary-butyl ether | 25.0 | 31.5 | 126 | 12 | 30 | 70 - 130 |
| Ethylbenzene | 25.0 | 26.2 | 105 | 3 | 30 | 70 - 130 |
| Hexachlorobutadiene | 25.0 | 23.5 | 94 | 31 * | 30 | 70 - 130 |
| Isopropylbenzene | 25.0 | 23.1 | 92 | 7 | 30 | 70 - 130 |

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

8260B

Vertex Fill

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Solid

Batch: BH61428

Laboratory ID: BH61428-MSD1

Preparation: 5035

Initial/Final: 0.1986667 g / 10 ml

Source Sample Name: Vertex Fill

| COMPOUND | SPIKE ADDED (ug/L) | MSD CONCENTRATION (ug/L) | MSD % REC. # | % RPD # | QC LIMITS | |
|----------------------------|--------------------|--------------------------|--------------|---------|-----------|----------|
| | | | | | RPD | REC. |
| Methyl tert-Butyl Ether | 25.0 | 31.4 | 126 | 10 | 30 | 70 - 130 |
| Methylene Chloride | 25.0 | 30.7 | 123 | 7 | 30 | 70 - 130 |
| Naphthalene | 25.0 | 22.2 | 89 | 118 * | 30 | 70 - 130 |
| n-Butylbenzene | 25.0 | 23.5 | 94 | 1 | 30 | 70 - 130 |
| n-Propylbenzene | 25.0 | 23.8 | 95 | 8 | 30 | 70 - 130 |
| sec-Butylbenzene | 25.0 | 23.7 | 95 | 3 | 30 | 70 - 130 |
| Styrene | 25.0 | 26.7 | 107 | 0.9 | 30 | 70 - 130 |
| tert-Butylbenzene | 25.0 | 24.5 | 98 | 4 | 30 | 70 - 130 |
| Tertiary-amyl methyl ether | 25.0 | 27.7 | 111 | 0 | 30 | 70 - 130 |
| Tetrachloroethene | 25.0 | 24.8 | 99 | 5 | 30 | 70 - 130 |
| Tetrahydrofuran | 25.0 | 29.6 | 118 | 15 | 30 | 70 - 130 |
| Toluene | 25.0 | 32.0 | 128 | 7 | 30 | 70 - 130 |
| trans-1,2-Dichloroethene | 25.0 | 32.1 | 128 | 6 | 30 | 70 - 130 |
| trans-1,3-Dichloropropene | 25.0 | 28.0 | 112 | 9 | 30 | 70 - 130 |
| Trichloroethene | 25.0 | 30.8 | 123 | 6 | 30 | 70 - 130 |
| Trichlorofluoromethane | 25.0 | 23.4 | 94 | 12 | 30 | 70 - 130 |
| Vinyl Acetate | 25.0 | 28.4 | 114 | 10 | 30 | 70 - 130 |
| Vinyl Chloride | 25.0 | 28.5 | 114 | 6 | 30 | 70 - 130 |
| Xylene O | 25.0 | 25.5 | 102 | 3 | 30 | 70 - 130 |
| Xylene P,M | 50.0 | 51.0 | 102 | 4 | 30 | 70 - 130 |

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA081406\M1041781.D Vial: 48
 Acq On : 15 Aug 106 7:39 am Operator: RES
 Sample : BH61428-MS1 Inst : VOA MASS
 Misc : Multiplr: 1.00
 Quant Time: Aug 15 10:23 19106

Method : C:\HPCHEM\1\METHODS\HI080806.M
 Title : Element ID: 0607032
 Last Update : Mon Aug 14 08:54:06 2006
 Response via : Multiple Level Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|----------------------------|-------|------|----------|-------|-------|-----------|
| 1) Fluorobenzene | 6.08 | 96 | 4082284 | 25.00 | ug/l | 0.01 |
| 58) Chlorobenzene-d5 | 10.14 | 117 | 3806287 | 25.00 | ug/l | 0.00 |
| 76) 1,4 Dichlorobenzene-D4 | 13.83 | 152 | 1713578 | 25.00 | ug/l | 0.00 |

| System Monitoring Compounds | R.T. | QIon | Response | Conc | Units | Dev (Min) | %Recovery |
|----------------------------------|-------|------|----------|-------|-------|-----------|-----------|
| 34) Dibromofluoromethane (SURR) | 5.31 | 111 | 2146481 | 28.35 | ug/l | 0.01 | 113.39% |
| 41) 1,2-Dichloroethane-d4 (SURR) | 5.70 | 65 | 1071903 | 28.16 | ug/l | 0.01 | 112.63% |
| 59) Toluene-d8 (SURR) | 8.08 | 98 | 4416272 | 25.74 | ug/l | 0.01 | 102.96% |
| 75) Bromofluorobenzene (SURR) | 11.97 | 95 | 2338008 | 24.01 | ug/l | 0.01 | 96.03% |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Dev (Min) | Qvalue |
|--------------------------------|------|------|----------|--------|-------|-----------|--------|
| 2) Dichlorodifluoromethane | 1.55 | 85 | 1691326 | 22.62 | ug/l | 0.01 | 100 |
| 3) Chloromethane | 1.73 | 50 | 1218336 | 24.27 | ug/l | 0.01 | 98 |
| 4) Vinyl Chloride | 1.83 | 62 | 1278333 | 26.83 | ug/l | 0.01 | 99 |
| 5) Bromomethane | 2.14 | 94 | 967693 | 25.89 | ug/l | 0.01 | 99 |
| 6) Chloroethane | 2.23 | 64 | 492500 | 29.35 | ug/l | 0.01 | 98 |
| 7) Trichlorofluoromethane | 2.45 | 101 | 2214322 | 26.49 | ug/l | 0.01 | 98 |
| 8) Diethyl ether | 2.80 | 59 | 889179 | 29.86 | ug/l | 0.01 | 99 |
| 9) Acrolein | 2.93 | 56 | 55115 | 14.86 | ug/l | 0.01 | 91 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.96 | 101 | 2268204 | 27.14 | ug/l | 0.01 | 98 |
| 11) Acetone | 3.10 | 58 | 201308 | 126.77 | ug/l | 0.01 | 91 |
| 12) Iodomethane | 3.12 | 142 | 2593969 | 29.58 | ug/l | 0.01 | 99 |
| 13) Carbon Disulfide | 3.17 | 76 | 3687430 | 31.22 | ug/l | 0.01 | 99 |
| 14) 1,1-Dichloroethene | 2.96 | 96 | 1356235 | 31.52 | ug/l | 0.01 | 100 |
| 15) Allyl Chloride | 3.34 | 41 | 2144209 | 26.22 | ug/l | 0.01 | 99 |
| 16) Methyl Acetate | 3.40 | 43 | 681408 | 28.38 | ug/l | 0.01 | 97 |
| 17) Methylene Chloride | 3.47 | 84 | 1369224 | 28.74 | ug/l | 0.01 | 99 |
| 18) Methyl tert-Butyl Ether | 3.77 | 73 | 2674259 | 28.58 | ug/l | 0.01 | 99 |
| 19) Acrylonitrile | 3.76 | 53 | 195568 | 28.32 | ug/l | 0.01 | 92 |
| 20) trans-1,2-Dichloroethene | 3.72 | 96 | 1494342 | 30.13 | ug/l | 0.01 | 97 |
| 21) 1,1-Dichloroethane | 4.16 | 63 | 2528059 | 29.43 | ug/l | 0.01 | 99 |
| 22) Vinyl Acetate | 4.25 | 43 | 4196383 | 25.66 | ug/l | 0.01 | 100 |
| 24) Di-isopropyl ether | 4.26 | 45 | 5600773 | 28.54 | ug/l | 0.01 | 92 |
| 25) Ethyl tertiary-butyl ether | 4.64 | 59 | 4011962 | 28.06 | ug/l | 0.01 | 99 |
| 26) 2-Butanone | 4.85 | 72 | 281156 | 128.63 | ug/l | 0.01 | 97 |
| 27) cis-1,2 Dichloroethene | 4.78 | 96 | 1483231 | 31.28 | ug/l | 0.01 | 100 |
| 28) 2,2-Dichloropropane | 4.77 | 77 | 1345954 | 20.04 | ug/l | 0.01 | 95 |
| 29) Methyl Acrylate | 4.93 | 55 | 741711 | 27.33 | ug/l | 0.01 | 97 |
| 30) Bromochloromethane | 5.04 | 128 | 752649 | 29.88 | ug/l | 0.01 | 93 |
| 31) Methacrylonitrile | 5.07 | 41 | 452188 | 27.93 | ug/l | 0.01 | 96 |
| 32) Tetrahydrofuran | 5.12 | 42 | 177949 | 25.38 | ug/l | 0.01 | 88 |
| 33) Chloroform | 5.13 | 83 | 2525669 | 29.76 | ug/l | 0.01 | 98 |
| 35) 1,1,1-Trichloroethane | 5.31 | 97 | 2043317 | 29.61 | ug/l | 0.01 | 98 |
| 36) Cyclohexane | 5.36 | 56 | 1407265 | 27.99 | ug/l | 0.01 | 98 |

(#) = qualifier out of range (m) = manual integration
 M1041781.D HI080806.M Tue Aug 15 10:24:04 2006

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA081406\M1041781.D
 Acq On : 15 Aug 106 7:39 am
 Sample : BH61428-MS1
 Misc :
 Quant Time: Aug 15 10:23 19106

Vial: 48
 Operator: RES
 Inst : VOA MASS
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\HI080806.M
 Title : Element ID: 0607032
 Last Update : Mon Aug 14 08:54:06 2006
 Response via : Multiple Level Calibration

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|--------|------|--------|
| 37) 1-Chlorobutane | 5.44 | 56 | 2662463 | 30.55 | ug/l | 98 |
| 38) 1,1-Dichloropropene | 5.50 | 75 | 1730992 | 28.93 | ug/l | 99 |
| 39) Carbon Tetrachloride | 5.50 | 117 | 1758716 | 29.92 | ug/l | 97 |
| 40) Benzene | 5.74 | 78 | 4534094 | 30.09 | ug/l | 100 |
| 42) 1,2-Dichloroethane | 5.78 | 62 | 1268209 | 28.31 | ug/l | 99 |
| 43) Tertiary-amyl methyl ether | 5.90 | 73 | 3589361 | 27.76 | ug/l | 99 |
| 44) Trichloroethene | 6.51 | 95 | 1801331 | 28.88 | ug/l | 97 |
| 45) Methyl Cyclohexane | 6.72 | 83 | 1492878 | 26.54 | ug/l | 99 |
| 46) 1,2-Dichloropropane | 6.81 | 63 | 1683758 | 28.77 | ug/l | 99 |
| 47) Dibromomethane | 6.95 | 93 | 1122583 | 30.31 | ug/l | 99 |
| 48) Methyl Methacrylate | 6.98 | 41 | 1049991 | 28.75 | ug/l | 95 |
| 49) 1,4-Dioxane | 7.02 | 88 | 38536 | 86.14 | ug/l | 87 |
| 50) Bromodichloromethane | 7.16 | 83 | 2650146 | 32.03 | ug/l | 100 |
| 51) 2-Nitropropane | 7.48 | 43 | 168766 | 25.60 | ug/l | 56 |
| 52) 2-Chloroethyl vinyl ether | 7.57 | 63 | 435686 | 25.89 | ug/l | 95 |
| 53) 4-Methyl-2-Pentanone | 7.99 | 58 | 1930447 | 140.92 | ug/l | 95 |
| 54) cis-1,3-Dichloropropene | 7.74 | 75 | 2169344 | 28.35 | ug/l | 98 |
| 55) Toluene | 8.17 | 92 | 3014961 | 29.66 | ug/l | 98 |
| 56) trans-1,3-Dichloropropene | 8.50 | 75 | 1485075 | 25.46 | ug/l | 97 |
| 57) 1,1,2-Trichloroethane | 8.76 | 83 | 1026528 | 29.05 | ug/l | 99 |
| 60) 2-Hexanone | 9.14 | 43 | 2923911 | 121.06 | ug/l | 99 |
| 61) Ethyl Methacrylate | 8.65 | 69 | 1719306 | 27.04 | ug/l | 98 |
| 62) 1,3-Dichloropropane | 8.98 | 76 | 1976124 | 26.78 | ug/l | 100 |
| 63) Tetrachloroethene | 8.92 | 164 | 1374348 | 26.10 | ug/l | 98 |
| 64) Dibromochloromethane | 9.31 | 129 | 1659482 | 27.89 | ug/l | 99 |
| 65) 1,2-Dibromoethane | 9.47 | 107 | 1516585 | 26.56 | ug/l | 99 |
| 66) 1-Chlorohexane | 10.17 | 91 | 1667947 | 22.80 | ug/l | 100 |
| 67) Chlorobenzene | 10.18 | 112 | 3389457 | 26.39 | ug/l | 100 |
| 68) 1,1,1,2-Tetrachloroethane | 10.32 | 131 | 1414167 | 26.98 | ug/l | 96 |
| 69) Ethylbenzene | 10.35 | 91 | 5417871 | 26.97 | ug/l | 99 |
| 70) Xylene P,M | 10.54 | 106 | 4202938 | 53.21 | ug/l | 100 |
| 71) Xylene O | 11.14 | 106 | 2022870 | 26.31 | ug/l | 96 |
| 72) Styrene | 11.17 | 104 | 3579062 | 27.00 | ug/l | 99 |
| 73) Bromoform | 11.46 | 173 | 983413 | 23.86 | ug/l | 100 |
| 77) Isopropylbenzene | 11.73 | 105 | 4616290 | 24.75 | ug/l | 98 |
| 78) Trans-1,4-Dichloro-2-Buten | 12.34 | 53 | 219376 | 20.55 | ug/l | # 83 |
| 79) 1,2,3-Trichloropropane | 12.29 | 75 | 1109191 | 23.11 | ug/l | 96 |
| 80) Bromobenzene | 12.19 | 156 | 1443068 | 28.03 | ug/l | 97 |
| 81) 1,1,2,2-Tetrachloroethane | 12.24 | 83 | 1283860 | 23.01 | ug/l | 99 |
| 82) n-Propylbenzene | 12.38 | 91 | 5476014 | 25.79 | ug/l | 100 |
| 83) 2-Chlorotoluene | 12.50 | 91 | 3848851 | 25.96 | ug/l | m 98 |
| 84) 4-Chlorotoluene | 12.68 | 91 | 4152828 | 25.92 | ug/l | 99 |
| 85) 1,3,5-Trimethylbenzene | 12.68 | 105 | 3696565 | 26.03 | ug/l | 99 |
| 86) tert-Butylbenzene | 13.20 | 119 | 4227826 | 25.52 | ug/l | 97 |

(#) = qualifier out of range (m) = manual integration
 M1041781.D HI080806.M Tue Aug 15 10:24:07 2006

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA081406\M1041781.D Vial: 48
 Acq On : 15 Aug 106 7:39 am Operator: RES
 Sample : BH61428-MS1 Inst : VOA MASS
 Misc : Multiplr: 1.00
 Quant Time: Aug 15 10:23 19106

Method : C:\HPCHEM\1\METHODS\HI080806.M
 Title : Element ID: 0607032
 Last Update : Mon Aug 14 08:54:06 2006
 Response via : Multiple Level Calibration

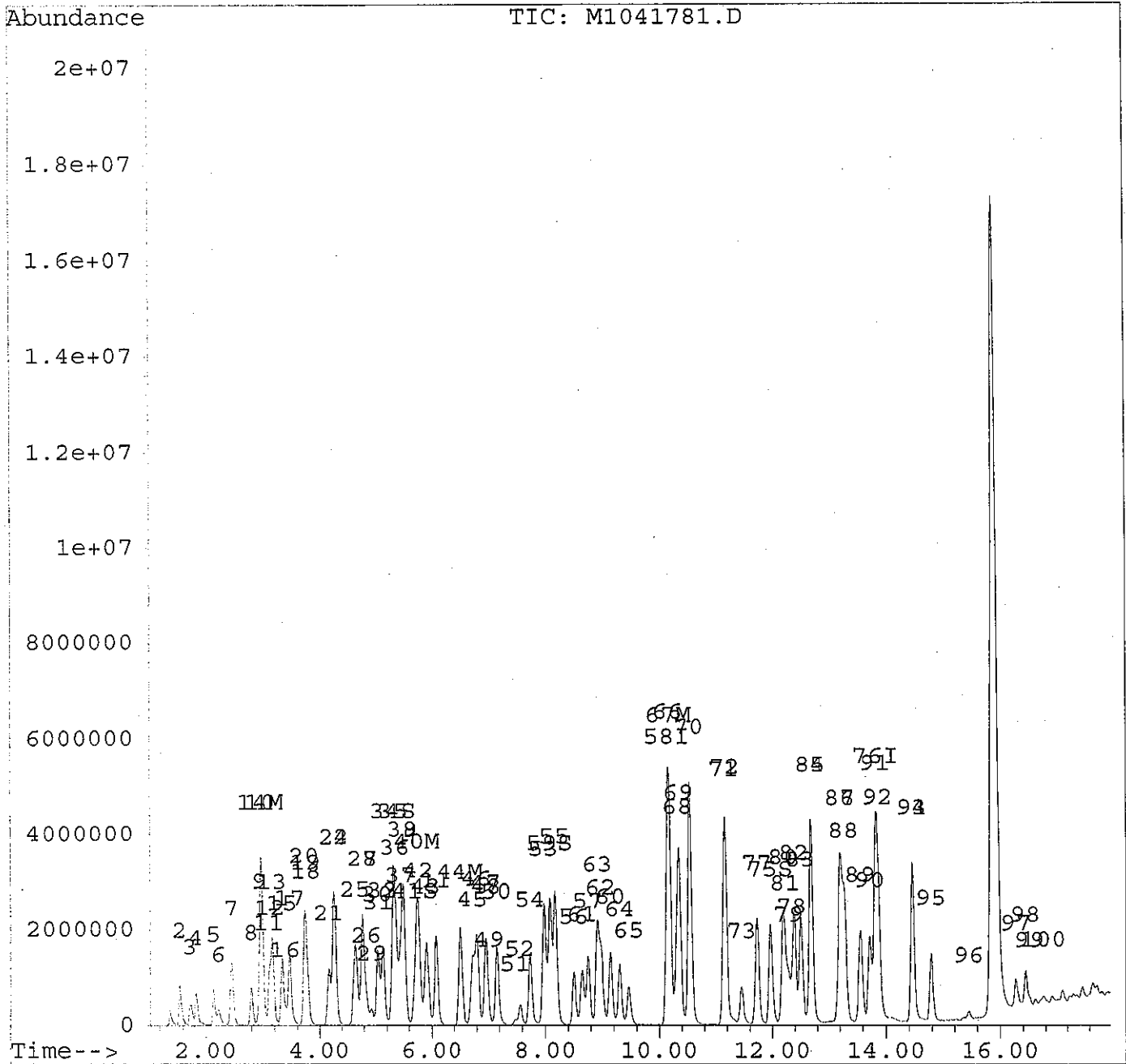
| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|-------|--------|--------|
| 87) Pentachloroethane | 13.20 | 119 | 4227826 | 25.52 | ug/l | 92 |
| 88) 1,2,4-Trimethylbenzene | 13.28 | 105 | 3783520 | 26.02 | ug/l | 98 |
| 89) sec-Butylbenzene | 13.56 | 105 | 4413536 | 24.65 | ug/l | 99 |
| 90) 1,3 Dichlorobenzene | 13.71 | 146 | 2041145 | 24.64 | ug/l | 99 |
| 91) 4-Isopropyltoluene | 13.81 | 119 | 3255891 | 24.44 | ug/l | 99 |
| 92) 1,4 Dichlorobenzene | 13.87 | 146 | 2071119 | 23.49 | ug/l | 98 |
| 93) n-Butylbenzene | 14.46 | 91 | 2822018 | 23.72 | ug/l | 99 |
| 94) 1,2 Dichlorobenzene | 14.45 | 146 | 1714387 | 23.87 | ug/l | 100 |
| 95) Hexachloroethane | 14.79 | 117 | 828856 | 24.70 | ug/l | 99 |
| 96) 1,2-Dibromo-3-Chloropropan | 15.44 | 75 | 92633 | 14.17 | ug/l | 95 |
| 97) 1,2,4-Trichlorobenzene | 16.28 | 180 | 325242 | 9.31 | ug/l | 94 |
| 98) Hexachlorobutadiene | 16.45 | 225 | 344446 | 17.20 | ug/l | 98 |
| 99) Naphthalene | 16.52 | 128 | 270339 | 5.68 | ug/l | 100 |
| 100) 1,2,3-Trichlorobenzene | 16.76 | 180 | 111757 | 4.17 | ug/l # | 77 |

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

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA081406\M1041781.D Vial: 48
Acq On : 15 Aug 106 7:39 am Operator: RES
Sample : BH61428-MS1 Inst : VOA MASS
Misc : Multiplr: 1.00
Quant Time: Aug 15 10:23 19106

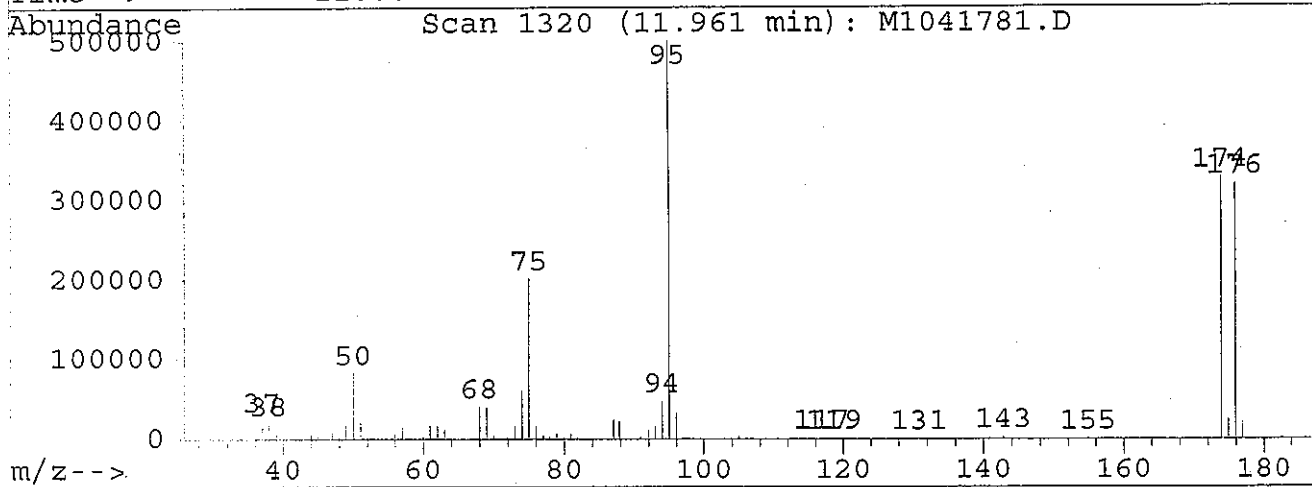
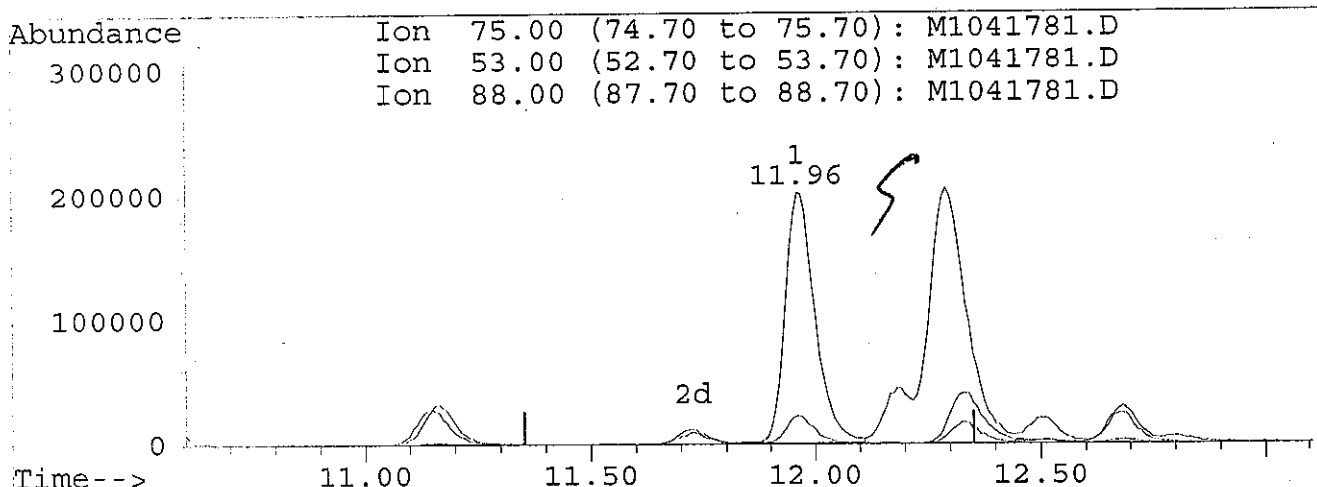
Method : C:\HPCHEM\1\METHODS\HI080806.M
Title : Element ID: 0607032
Last Update : Mon Aug 14 08:54:06 2006
Response via : Multiple Level Calibration



Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA081406\M1041781.D Vial: 48
 Acq On : 15 Aug 106 7:39 am Operator: RES
 Sample : BH61428-MS1 Inst : VOA MASS
 Misc : Multiplr: 1.00
 Quant Time: Aug 15 7:57 19106

Method : C:\HPCHEM\1\METHODS\HI080806.M
 Title : Element ID: 0607032
 Last Update : Mon Aug 14 08:54:06 2006
 Response via : Multiple Level Calibration



TIC: M1041781.D

(74) cis1,4-Dichloro-2-butene
 11.96min 100.77ug/l
 response 930454

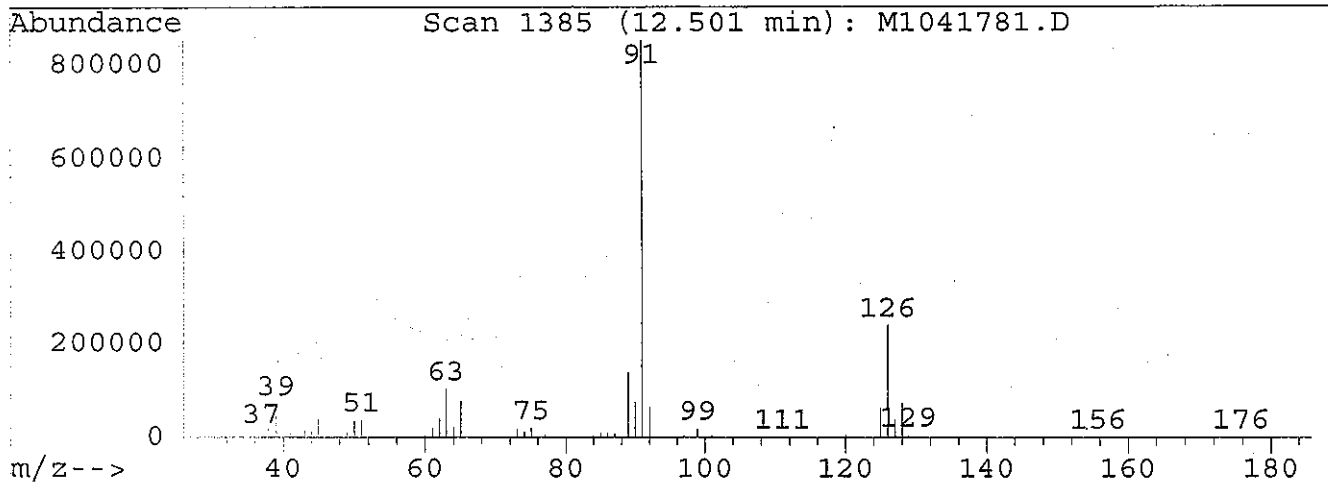
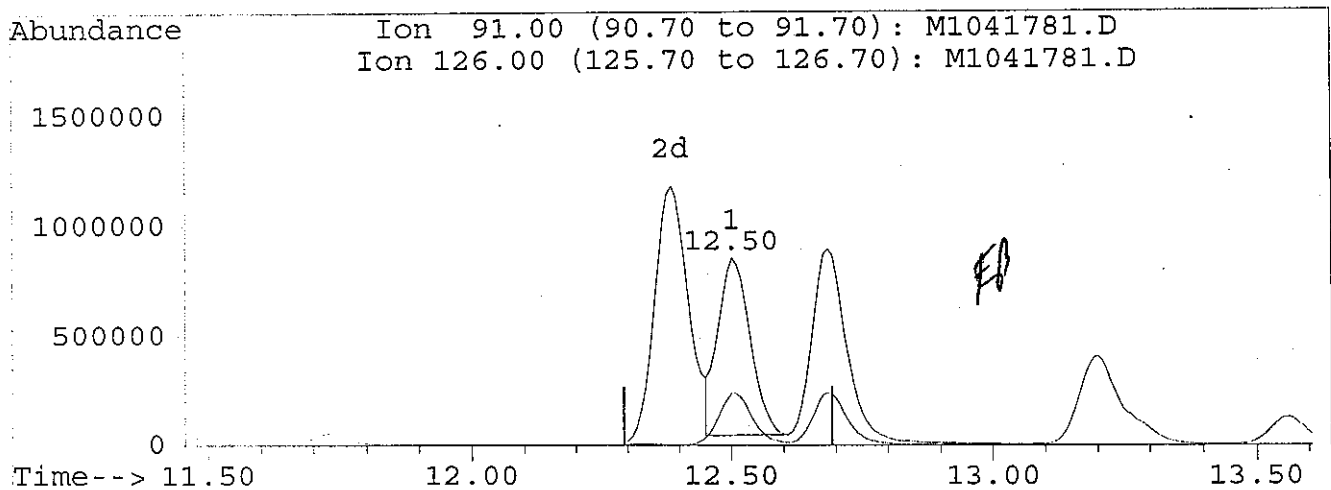
| Ion | Exp% | Act% |
|-------|-------|--------|
| 75.00 | 100 | 100 |
| 53.00 | 86.10 | 0.00# |
| 88.00 | 76.80 | 11.27# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA081406\M1041781.D
 Acq On : 15 Aug 106 7:39 am
 Sample : BH61428-MS1
 Misc :
 Quant Time: Aug 15 10:23 19106

Vial: 48
 Operator: RES
 Inst : VOA MASS
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\HI080806.M
 Title : Element ID: 0607032
 Last Update : Mon Aug 14 08:54:06 2006
 Response via : Multiple Level Calibration



TIC: M1041781.D

(83) 2-Chlorotoluene

12.50min 23.30ug/l

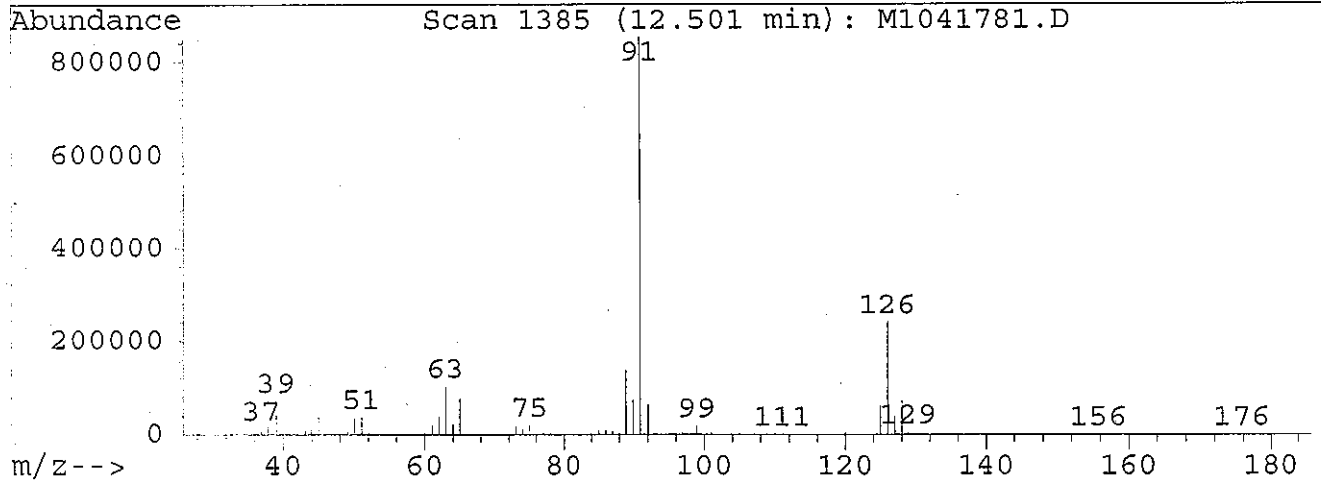
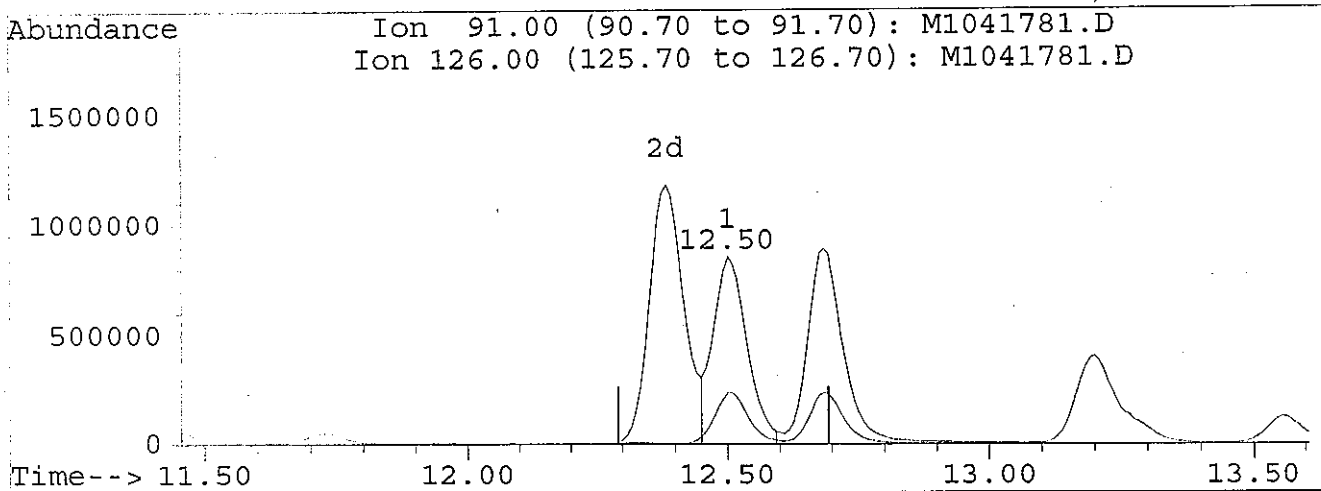
response 3454638

| Ion | Exp% | Act% |
|--------|-------|-------|
| 91.00 | 100 | 100 |
| 126.00 | 27.40 | 28.22 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA081406\M1041781.D Vial: 48
 Acq On : 15 Aug 106 7:39 am Operator: RES
 Sample : BH61428-MS1 Inst : VOA MASS
 Misc : Multiplr: 1.00
 Quant Time: Aug 15 10:23 19106

Method : C:\HPCHEM\1\METHODS\HI080806.M
 Title : Element ID: 0607032
 Last Update : Mon Aug 14 08:54:06 2006
 Response via : Multiple Level Calibration



TIC: M1041781.D

(83) 2-Chlorotoluene
 12.50min 25.96ug/l m
 response 3848851

| Ion | Exp% | Act% |
|--------|-------|-------|
| 91.00 | 100 | 100 |
| 126.00 | 27.40 | 28.22 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA081406\M1041782.D Vial: 49
 Acq On : 15 Aug 106 8:06 am Operator: RES
 Sample : BH61428-MSD1 Inst : VOA MASS
 Misc : Multiplr: 1.00
 Quant Time: Aug 15 10:25 19106

Method : C:\HPCHEM\1\METHODS\HI080806.M
 Title : Element ID: 0607032
 Last Update : Mon Aug 14 08:54:06 2006
 Response via : Multiple Level Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|----------------------------------|-------|------|----------|--------|-------|-----------|
| 1) Fluorobenzene | 6.07 | 96 | 3717454 | 25.00 | ug/l | 0.01 |
| 58) Chlorobenzene-d5 | 10.14 | 117 | 3840172 | 25.00 | ug/l | 0.00 |
| 76) 1,4 Dichlorobenzene-D4 | 13.83 | 152 | 1786629 | 25.00 | ug/l | 0.01 |
| System Monitoring Compounds | | | | | | %Recovery |
| 34) Dibromofluoromethane (SURR) | 5.32 | 111 | 2118927 | 30.73 | ug/l | 122.92% |
| 41) 1,2-Dichloroethane-d4 (SURR) | 5.69 | 65 | 1030381 | 29.72 | ug/l | 118.89% |
| 59) Toluene-d8 (SURR) | 8.09 | 98 | 4327010 | 25.00 | ug/l | 99.99% |
| 75) Bromofluorobenzene (SURR) | 11.96 | 95 | 2321790 | 23.63 | ug/l | 94.52% |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.55 | 85 | 1654742 | 24.30 | ug/l | 97 |
| 3) Chloromethane | 1.73 | 50 | 1184032 | 25.90 | ug/l | 100 |
| 4) Vinyl Chloride | 1.83 | 62 | 1235240 | 28.47 | ug/l | 98 |
| 5) Bromomethane | 2.14 | 94 | 960123 | 28.20 | ug/l | 95 |
| 6) Chloroethane | 2.23 | 64 | 478168 | 31.29 | ug/l | 99 |
| 7) Trichlorofluoromethane | 2.45 | 101 | 1784590 | 23.45 | ug/l | 100 |
| 8) Diethyl ether | 2.80 | 59 | 888160 | 32.75 | ug/l | 97 |
| 9) Acrolein | 2.93 | 56 | 54868 | 16.25 | ug/l | 96 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.97 | 101 | 2194337 | 28.84 | ug/l | 98 |
| 11) Acetone | 3.12 | 58 | 204937 | 141.72 | ug/l | 98 |
| 12) Iodomethane | 3.12 | 142 | 2528546 | 31.67 | ug/l | 100 |
| 13) Carbon Disulfide | 3.17 | 76 | 3556450 | 33.07 | ug/l | 100 |
| 14) 1,1-Dichloroethene | 2.97 | 96 | 1315521 | 33.58 | ug/l | 98 |
| 15) Allyl Chloride | 3.33 | 41 | 2079815 | 27.93 | ug/l | 100 |
| 16) Methyl Acetate | 3.40 | 43 | 689526 | 31.54 | ug/l | 100 |
| 17) Methylene Chloride | 3.47 | 84 | 1331492 | 30.69 | ug/l | 99 |
| 18) Methyl tert-Butyl Ether | 3.78 | 73 | 2672717 | 31.36 | ug/l | 99 |
| 19) Acrylonitrile | 3.76 | 53 | 200260 | 31.85 | ug/l | 95 |
| 20) trans-1,2-Dichloroethene | 3.73 | 96 | 1450922 | 32.12 | ug/l | 97 |
| 21) 1,1-Dichloroethane | 4.17 | 63 | 2486901 | 31.80 | ug/l | 99 |
| 22) Vinyl Acetate | 4.26 | 43 | 4233896 | 28.43 | ug/l | 99 |
| 24) Di-isopropyl ether | 4.27 | 45 | 5656658 | 31.66 | ug/l | 93 |
| 25) Ethyl tertiary-butyl ether | 4.65 | 59 | 4096775 | 31.46 | ug/l | 98 |
| 26) 2-Butanone | 4.85 | 72 | 304946 | 153.21 | ug/l | 99 |
| 27) cis-1,2 Dichloroethene | 4.78 | 96 | 1470901 | 34.06 | ug/l | 100 |
| 28) 2,2-Dichloropropane | 4.77 | 77 | 1336370 | 21.85 | ug/l | 96 |
| 29) Methyl Acrylate | 4.94 | 55 | 769464 | 31.14 | ug/l | 96 |
| 30) Bromochloromethane | 5.04 | 128 | 754879 | 32.91 | ug/l | 95 |
| 31) Methacrylonitrile | 5.06 | 41 | 484151 | 32.83 | ug/l | 96 |
| 32) Tetrahydrofuran | 5.14 | 42 | 189013 | 29.60 | ug/l | 92 |
| 33) Chloroform | 5.14 | 83 | 2530541 | 32.74 | ug/l | 100 |
| 35) 1,1,1-Trichloroethane | 5.32 | 97 | 2071783 | 32.97 | ug/l | 99 |
| 36) Cyclohexane | 5.36 | 56 | 1350745 | 29.51 | ug/l | 97 |

(#) = qualifier out of range (m) = manual integration
 M1041782.D HI080806.M Tue Aug 15 10:25:27 2006

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA081406\M1041782.D Vial: 49
 Acq On : 15 Aug 106 8:06 am Operator: RES
 Sample : BH61428-MSD1 Inst : VOA MASS
 Misc : Multiplr: 1.00
 Quant Time: Aug 15 10:25 19106

Method : C:\HPCHEM\1\METHODS\HI080806.M
 Title : Element ID: 0607032
 Last Update : Mon Aug 14 08:54:06 2006
 Response via : Multiple Level Calibration

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|--------|--------|--------|
| 37) 1-Chlorobutane | 5.44 | 56 | 2702523 | 34.05 | ug/l | 98 |
| 38) 1,1-Dichloropropene | 5.50 | 75 | 1785534 | 32.76 | ug/l | 98 |
| 39) Carbon Tetrachloride | 5.50 | 117 | 1765859 | 32.99 | ug/l | 96 |
| 40) Benzene | 5.75 | 78 | 3930355 | 28.64 | ug/l | 100 |
| 42) 1,2-Dichloroethane | 5.78 | 62 | 1167913 | 28.63 | ug/l | 97 |
| 43) Tertiary-amyl methyl ether | 5.91 | 73 | 3261667 | 27.70 | ug/l | 99 |
| 44) Trichloroethene | 6.51 | 95 | 1749052 | 30.80 | ug/l | 98 |
| 45) Methyl Cyclohexane | 6.72 | 83 | 1447570 | 28.26 | ug/l | 99 |
| 46) 1,2-Dichloropropane | 6.80 | 63 | 1651871 | 30.99 | ug/l | 99 |
| 47) Dibromomethane | 6.95 | 93 | 1127131 | 33.42 | ug/l | 97 |
| 48) Methyl Methacrylate | 6.98 | 41 | 1083605 | 32.58 | ug/l | 96 |
| 49) 1,4-Dioxane | 7.02 | 88 | 135262 | 332.02 | ug/l | 98 |
| 50) Bromodichloromethane | 7.16 | 83 | 2607318 | 34.61 | ug/l | 98 |
| 51) 2-Nitropropane | 7.48 | 43 | 172355 | 28.71 | ug/l # | 54 |
| 52) 2-Chloroethyl vinyl ether | 7.56 | 63 | 438422 | 28.61 | ug/l | 99 |
| 53) 4-Methyl-2-Pentanone | 7.99 | 58 | 1950858 | 156.38 | ug/l | 90 |
| 54) cis-1,3-Dichloropropene | 7.74 | 75 | 2145550 | 30.79 | ug/l | 98 |
| 55) Toluene | 8.18 | 92 | 2960496 | 31.99 | ug/l | 99 |
| 56) trans-1,3-Dichloropropene | 8.50 | 75 | 1488009 | 28.01 | ug/l | 99 |
| 57) 1,1,2-Trichloroethane | 8.76 | 83 | 1032364 | 32.08 | ug/l | 98 |
| 60) 2-Hexanone | 9.15 | 43 | 3054405 | 125.34 | ug/l | 99 |
| 61) Ethyl Methacrylate | 8.65 | 69 | 1662950 | 25.93 | ug/l | 99 |
| 62) 1,3-Dichloropropane | 8.99 | 76 | 1985576 | 26.67 | ug/l | 99 |
| 63) Tetrachloroethene | 8.92 | 164 | 1318750 | 24.83 | ug/l | 97 |
| 64) Dibromochloromethane | 9.30 | 129 | 1669593 | 27.82 | ug/l | 97 |
| 65) 1,2-Dibromoethane | 9.46 | 107 | 1529379 | 26.54 | ug/l | 100 |
| 66) 1-Chlorohexane | 10.16 | 91 | 1641328 | 22.23 | ug/l | 97 |
| 67) Chlorobenzene | 10.18 | 112 | 3314482 | 25.58 | ug/l | 99 |
| 68) 1,1,1,2-Tetrachloroethane | 10.31 | 131 | 1395494 | 26.39 | ug/l | 97 |
| 69) Ethylbenzene | 10.36 | 91 | 5310764 | 26.20 | ug/l | 99 |
| 70) Xylene P,M | 10.54 | 106 | 4067867 | 51.05 | ug/l | 99 |
| 71) Xylene O | 11.14 | 106 | 1978423 | 25.50 | ug/l | 99 |
| 72) Styrene | 11.17 | 104 | 3567334 | 26.68 | ug/l | 99 |
| 73) Bromoform | 11.45 | 173 | 1009072 | 24.25 | ug/l | 98 |
| 77) Isopropylbenzene | 11.72 | 105 | 4499167 | 23.14 | ug/l | 98 |
| 78) Trans-1,4-Dichloro-2-Buten | 12.34 | 53 | 241167 | 21.67 | ug/l | 92 |
| 79) 1,2,3-Trichloropropene | 12.29 | 75 | 1131036 | 22.60 | ug/l | 92 |
| 80) Bromobenzene | 12.19 | 156 | 1427238 | 26.59 | ug/l | 99 |
| 81) 1,1,2,2-Tetrachloroethane | 12.23 | 83 | 1337877 | 23.00 | ug/l | 99 |
| 82) n-Propylbenzene | 12.39 | 91 | 5275643 | 23.83 | ug/l | 99 |
| 83) 2-Chlorotoluene | 12.50 | 91 | 3904593 | 25.26 | ug/l m | 97 |
| 84) 4-Chlorotoluene | 12.69 | 91 | 4167526 | 24.95 | ug/l | 97 |
| 85) 1,3,5-Trimethylbenzene | 12.68 | 105 | 3652282 | 24.67 | ug/l | 98 |
| 86) tert-Butylbenzene | 13.20 | 119 | 4237685 | 24.53 | ug/l | 97 |

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

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA081406\M1041782.D Vial: 49
 Acq On : 15 Aug 106 8:06 am Operator: RES
 Sample : BH61428-MSD1 Inst : VOA MASS
 Misc : Multiplr: 1.00
 Quant Time: Aug 15 10:25 19106

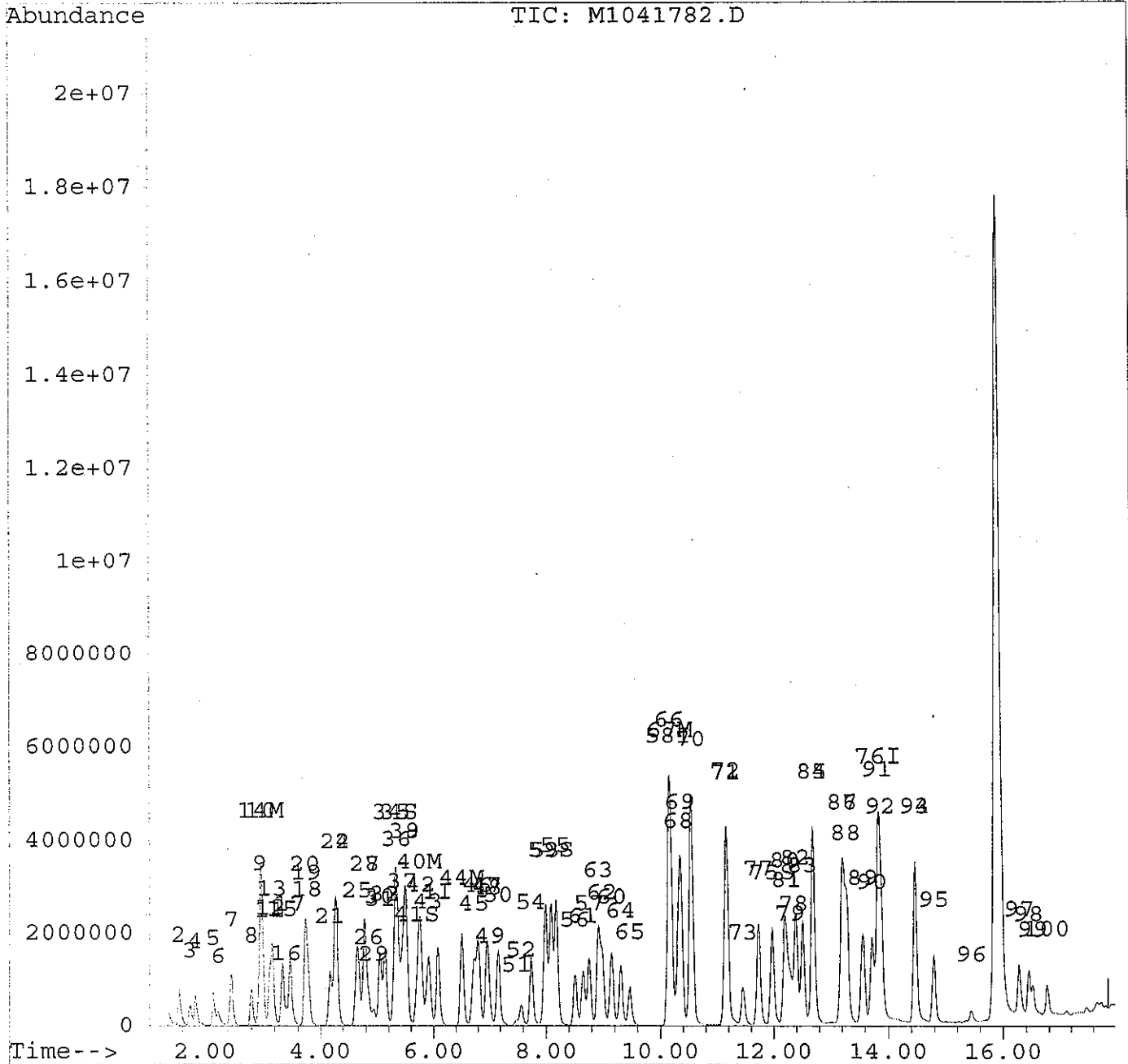
Method : C:\HPCHEM\1\METHODS\HI080806.M
 Title : Element ID: 0607032
 Last Update : Mon Aug 14 08:54:06 2006
 Response via : Multiple Level Calibration

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|-------|------|--------|
| 87) Pentachloroethane | 13.20 | 119 | 4237685 | 24.53 | ug/l | 95 |
| 88) 1,2,4-Trimethylbenzene | 13.28 | 105 | 3758050 | 24.79 | ug/l | 100 |
| 89) sec-Butylbenzene | 13.56 | 105 | 4429189 | 23.73 | ug/l | 100 |
| 90) 1,3 Dichlorobenzene | 13.72 | 146 | 2062415 | 23.88 | ug/l | 100 |
| 91) 4-Isopropyltoluene | 13.81 | 119 | 3271156 | 23.55 | ug/l | 99 |
| 92) 1,4 Dichlorobenzene | 13.88 | 146 | 2119207 | 23.05 | ug/l | 97 |
| 93) n-Butylbenzene | 14.46 | 91 | 2916178 | 23.51 | ug/l | 99 |
| 94) 1,2 Dichlorobenzene | 14.45 | 146 | 1781847 | 23.79 | ug/l | 100 |
| 95) Hexachloroethane | 14.78 | 117 | 836750 | 23.92 | ug/l | 97 |
| 96) 1,2-Dibromo-3-Chloropropan | 15.44 | 75 | 146169 | 21.44 | ug/l | 96 |
| 97) 1,2,4-Trichlorobenzene | 16.27 | 180 | 702698 | 19.36 | ug/l | 97 |
| 98) Hexachlorobutadiene | 16.45 | 225 | 484230 | 23.47 | ug/l | 98 |
| 99) Naphthalene | 16.52 | 128 | 1056963 | 22.18 | ug/l | 100 |
| 100) 1,2,3-Trichlorobenzene | 16.77 | 180 | 508696 | 20.82 | ug/l | 96 |

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA081406\M1041782.D Vial: 49
Acq On : 15 Aug 106 8:06 am Operator: RES
Sample : BH61428-MSD1 Inst : VOA MASS
Misc : Multiplr: 1.00
Quant Time: Aug 15 10:25 19106

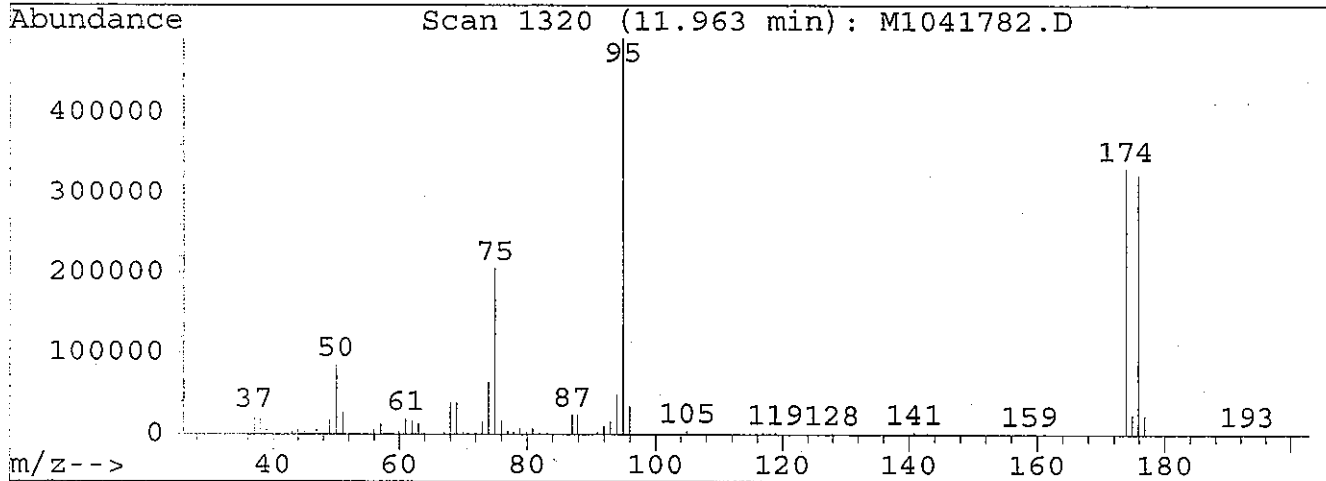
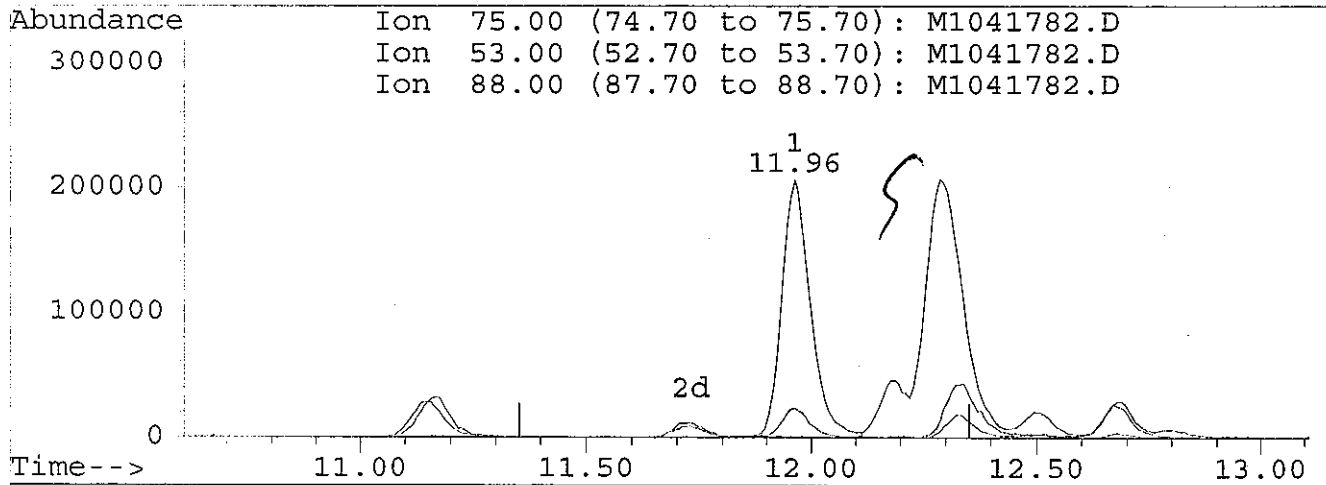
Method : C:\HPCHEM\1\METHODS\HI080806.M
Title : Element ID: 0607032
Last Update : Mon Aug 14 08:54:06 2006
Response via : Multiple Level Calibration



Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA081406\M1041782.D Vial: 49
 Acq On : 15 Aug 106 8:06 am Operator: RES
 Sample : BH61428-MSD1 Inst : VOA MASS
 Misc : Multiplr: 1.00
 Quant Time: Aug 15 8:24 19106

Method : C:\HPCHEM\1\METHODS\HI080806.M
 Title : Element ID: 0607032
 Last Update : Mon Aug 14 08:54:06 2006
 Response via : Multiple Level Calibration



TIC: M1041782.D

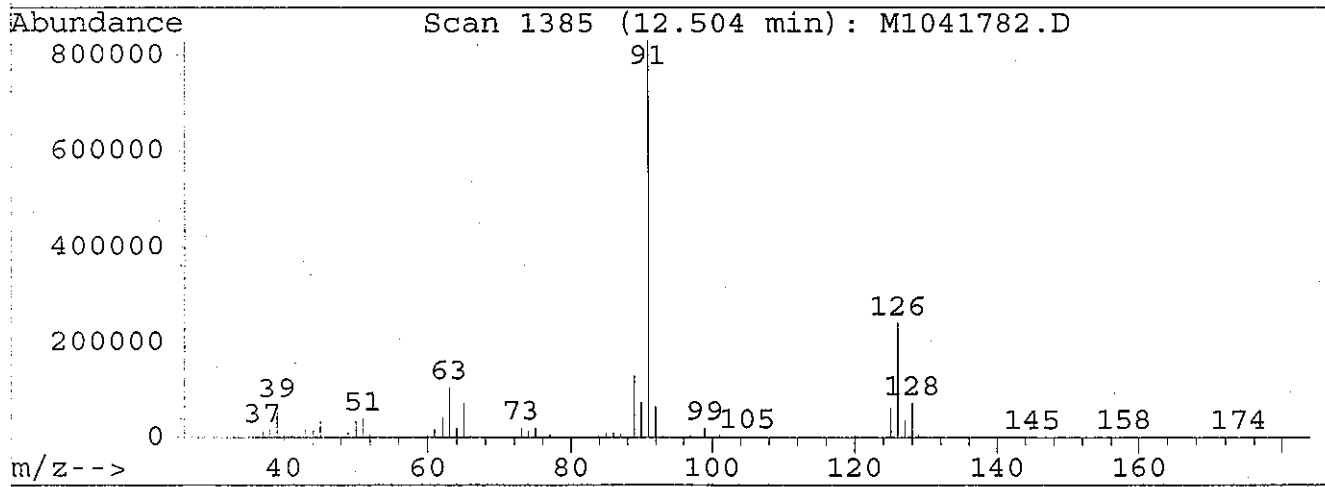
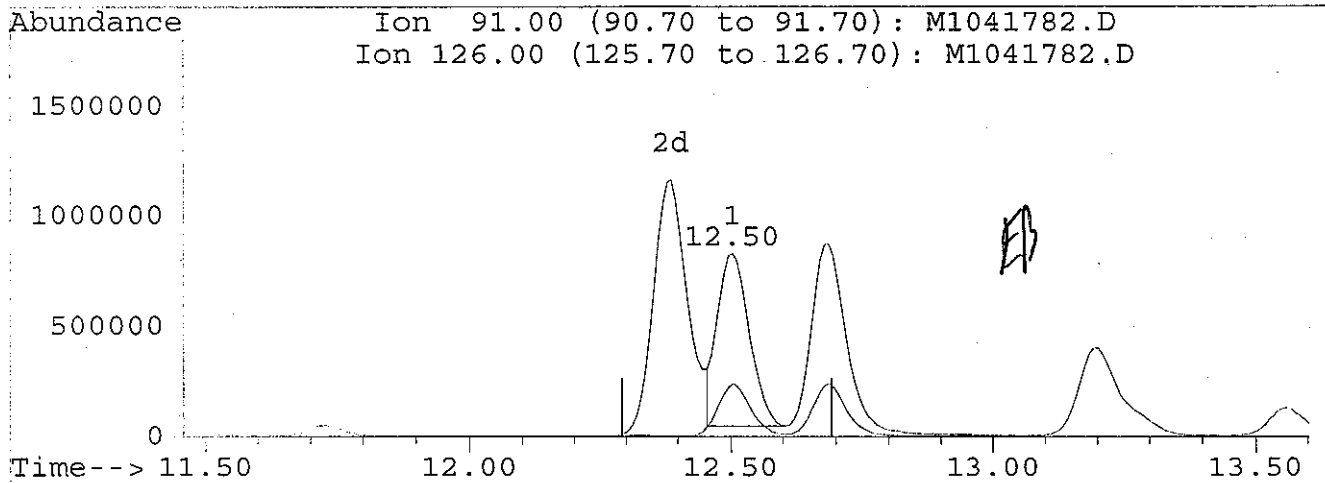
(74) cis1,4-Dichloro-2-butene
 11.96min 99.67ug/l
 response 928530

| Ion | Exp% | Act% |
|-------|-------|--------|
| 75.00 | 100 | 100 |
| 53.00 | 86.10 | 0.00# |
| 88.00 | 76.80 | 11.31# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA081406\M1041782.D Vial: 49
 Acq On : 15 Aug 106 8:06 am Operator: RES
 Sample : BH61428-MSD1 Inst : VOA MASS
 Misc : Multiplr: 1.00
 Quant Time: Aug 15 10:24 19106

Method : C:\HPCHEM\1\METHODS\HI080806.M
 Title : Element ID: 0607032
 Last Update : Mon Aug 14 08:54:06 2006
 Response via : Multiple Level Calibration



TIC: M1041782.D

(83) 2-Chlorotoluene

12.50min 21.52ug/l

response 3326854

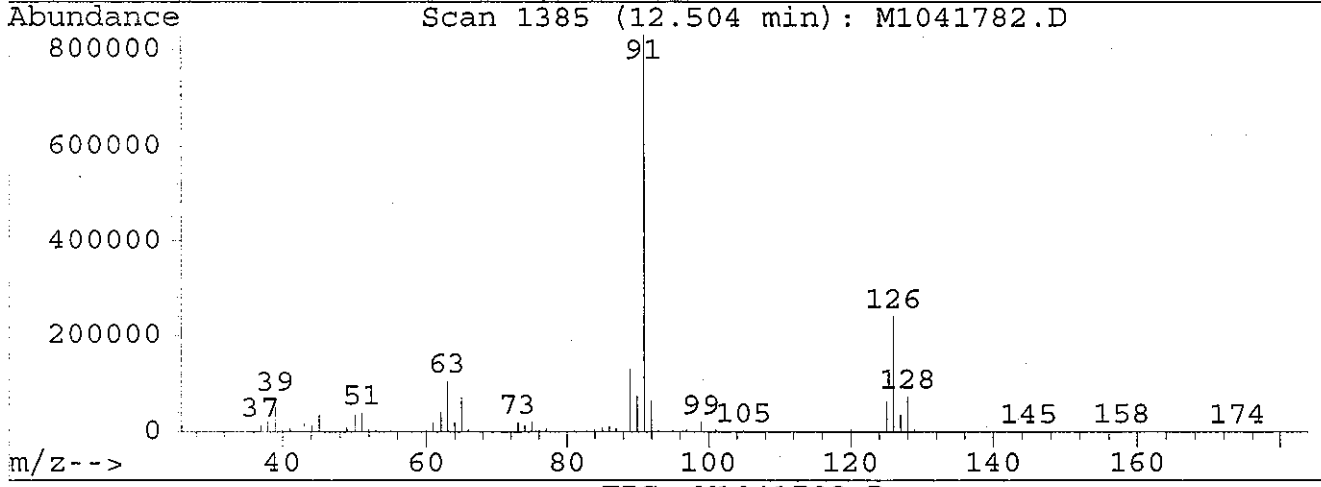
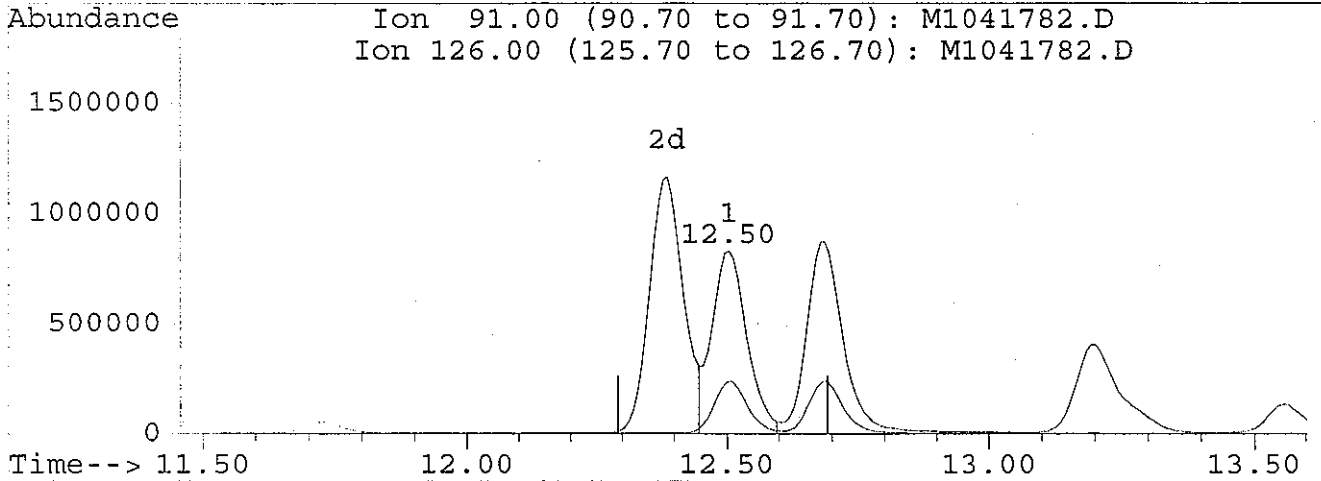
| Ion | Exp% | Act% |
|--------|-------|-------|
| 91.00 | 100 | 100 |
| 126.00 | 27.40 | 29.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA081406\M1041782.D
 Acq On : 15 Aug 106 8:06 am
 Sample : BH61428-MSD1
 Misc :
 Quant Time: Aug 15 10:25 19106

Vial: 49
 Operator: RES
 Inst : VOA MASS
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\HI080806.M
 Title : Element ID: 0607032
 Last Update : Mon Aug 14 08:54:06 2006
 Response via : Multiple Level Calibration



TIC: M1041782.D

(83) 2-Chlorotoluene
 12.50min 25.26ug/l m
 response 3904593

| Ion | Exp% | Act% |
|--------|-------|-------|
| 91.00 | 100 | 100 |
| 126.00 | 27.40 | 29.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

LCS / LCS DUPLICATE RECOVERY

8260B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Solid

Batch: BH61428

Laboratory ID: BH61428-BS1

Preparation: 5035

Initial/Final: 15 g / 15 ml

| COMPOUND | SPIKE ADDED (ug/L) | LCS CONCENTRATION (ug/L) | LCS % REC. # | QC LIMITS REC. |
|-----------------------------|--------------------|--------------------------|--------------|----------------|
| 1,1,1,2-Tetrachloroethane | 25.0 | 26.8 | 107 | 70 - 130 |
| 1,1,1-Trichloroethane | 25.0 | 29.6 | 118 | 70 - 130 |
| 1,1,2,2-Tetrachloroethane | 25.0 | 25.1 | 100 | 70 - 130 |
| 1,1,2-Trichloroethane | 25.0 | 29.8 | 119 | 70 - 130 |
| 1,1-Dichloroethane | 25.0 | 29.3 | 117 | 70 - 130 |
| 1,1-Dichloroethene | 25.0 | 31.2 | 125 | 70 - 130 |
| 1,1-Dichloropropene | 25.0 | 29.1 | 116 | 70 - 130 |
| 1,2,3-Trichlorobenzene | 25.0 | 27.9 | 112 | 70 - 130 |
| 1,2,3-Trichloropropane | 25.0 | 25.2 | 101 | 70 - 130 |
| 1,2,4-Trichlorobenzene | 25.0 | 25.7 | 103 | 70 - 130 |
| 1,2,4-Trimethylbenzene | 25.0 | 25.7 | 103 | 70 - 130 |
| 1,2-Dibromo-3-Chloropropane | 25.0 | 26.0 | 104 | 70 - 130 |
| 1,2-Dibromoethane | 25.0 | 27.1 | 108 | 70 - 130 |
| 1,2-Dichlorobenzene | 25.0 | 25.9 | 104 | 70 - 130 |
| 1,2-Dichloroethane | 25.0 | 28.1 | 112 | 70 - 130 |
| 1,2-Dichloropropane | 25.0 | 28.8 | 115 | 70 - 130 |
| 1,3,5-Trimethylbenzene | 25.0 | 25.6 | 102 | 70 - 130 |
| 1,3-Dichlorobenzene | 25.0 | 24.9 | 100 | 70 - 130 |
| 1,3-Dichloropropane | 25.0 | 27.4 | 110 | 70 - 130 |
| 1,4-Dichlorobenzene | 25.0 | 24.8 | 99 | 70 - 130 |
| 1,4-Dioxane - Screen | 500 | 345 | 69 * | 70 - 130 |
| 1-Chlorohexane | 25.0 | 23.6 | 94 | 70 - 130 |
| 2,2-Dichloropropane | 25.0 | 25.3 | 101 | 70 - 130 |
| 2-Butanone | 125 | 147 | 118 | 70 - 130 |
| 2-Chlorotoluene | 25.0 | 25.6 | 102 | 70 - 130 |
| 2-Hexanone | 125 | 131 | 105 | 70 - 130 |
| 4-Chlorotoluene | 25.0 | 25.0 | 100 | 70 - 130 |
| 4-Isopropyltoluene | 25.0 | 24.4 | 98 | 70 - 130 |
| 4-Methyl-2-Pentanone | 125 | 146 | 117 | 70 - 130 |
| Acetone | 125 | 146 | 117 | 70 - 130 |

LCS / LCS DUPLICATE RECOVERY

8260B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Solid

Batch: BH61428

Laboratory ID: BH61428-BS1

Preparation: 5035

Initial/Final: 15 g / 15 ml

| COMPOUND | SPIKE ADDED (ug/L) | LCS CONCENTRATION (ug/L) | LCS % REC. # | QC LIMITS REC. |
|----------------------------|--------------------|--------------------------|--------------|----------------|
| Benzene | 25.0 | 28.0 | 112 | 70 - 130 |
| Bromobenzene | 25.0 | 27.0 | 108 | 70 - 130 |
| Bromochloromethane | 25.0 | 30.1 | 120 | 70 - 130 |
| Bromodichloromethane | 25.0 | 31.9 | 128 | 70 - 130 |
| Bromoform | 25.0 | 25.3 | 101 | 70 - 130 |
| Bromomethane | 25.0 | 26.4 | 106 | 70 - 130 |
| Carbon Disulfide | 25.0 | 30.6 | 122 | 70 - 130 |
| Carbon Tetrachloride | 25.0 | 29.5 | 118 | 70 - 130 |
| Chlorobenzene | 25.0 | 26.3 | 105 | 70 - 130 |
| Chloroethane | 25.0 | 28.8 | 115 | 70 - 130 |
| Chloroform | 25.0 | 29.1 | 116 | 70 - 130 |
| Chloromethane | 25.0 | 24.2 | 97 | 70 - 130 |
| cis-1,2-Dichloroethene | 25.0 | 31.2 | 125 | 70 - 130 |
| cis-1,3-Dichloropropene | 25.0 | 29.6 | 118 | 70 - 130 |
| Dibromochloromethane | 25.0 | 28.1 | 112 | 70 - 130 |
| Dibromomethane | 25.0 | 30.8 | 123 | 70 - 130 |
| Dichlorodifluoromethane | 25.0 | 22.7 | 91 | 70 - 130 |
| Diethyl Ether | 25.0 | 30.5 | 122 | 70 - 130 |
| Di-isopropyl ether | 25.0 | 28.8 | 115 | 70 - 130 |
| Ethyl tertiary-butyl ether | 25.0 | 28.2 | 113 | 70 - 130 |
| Ethylbenzene | 25.0 | 26.7 | 107 | 70 - 130 |
| Hexachlorobutadiene | 25.0 | 26.3 | 105 | 70 - 130 |
| Isopropylbenzene | 25.0 | 23.8 | 95 | 70 - 130 |
| Methyl tert-Butyl Ether | 25.0 | 28.8 | 115 | 70 - 130 |
| Methylene Chloride | 25.0 | 28.7 | 115 | 70 - 130 |
| Naphthalene | 25.0 | 27.0 | 108 | 70 - 130 |
| n-Butylbenzene | 25.0 | 24.5 | 98 | 70 - 130 |
| n-Propylbenzene | 25.0 | 24.9 | 100 | 70 - 130 |
| sec-Butylbenzene | 25.0 | 24.7 | 99 | 70 - 130 |
| Styrene | 25.0 | 27.3 | 109 | 70 - 130 |

LCS / LCS DUPLICATE RECOVERY

8260B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Solid

Batch: BH61428

Laboratory ID: BH61428-BS1

Preparation: 5035

Initial/Final: 15 g / 15 ml

| COMPOUND | SPIKE ADDED (ug/L) | LCS CONCENTRATION (ug/L) | LCS % REC. # | QC LIMITS REC. |
|----------------------------|--------------------|--------------------------|--------------|----------------|
| tert-Butylbenzene | 25.0 | 25.4 | 102 | 70 - 130 |
| Tertiary-amyl methyl ether | 25.0 | 27.8 | 111 | 70 - 130 |
| Tetrachloroethene | 25.0 | 26.0 | 104 | 70 - 130 |
| Tetrahydrofuran | 25.0 | 26.9 | 108 | 70 - 130 |
| Toluene | 25.0 | 29.5 | 118 | 70 - 130 |
| trans-1,2-Dichloroethene | 25.0 | 29.9 | 120 | 70 - 130 |
| trans-1,3-Dichloropropene | 25.0 | 26.8 | 107 | 70 - 130 |
| Trichloroethene | 25.0 | 28.7 | 115 | 70 - 130 |
| Trichlorofluoromethane | 25.0 | 22.2 | 89 | 70 - 130 |
| Vinyl Acetate | 25.0 | 25.9 | 104 | 70 - 130 |
| Vinyl Chloride | 25.0 | 26.6 | 106 | 70 - 130 |
| Xylene O | 25.0 | 26.8 | 107 | 70 - 130 |
| Xylene P,M | 50.0 | 53.1 | 106 | 70 - 130 |

| COMPOUND | SPIKE ADDED (ug/L) | LCSD CONCENTRATION (ug/L) | LCSD % REC. # | % RPD # | QC LIMITS | |
|-----------------------------|--------------------|---------------------------|---------------|---------|-----------|----------|
| | | | | | RPD | REC. |
| 1,1,1,2-Tetrachloroethane | 25.0 | 26.3 | 105 | 2 | 20 | 70 - 130 |
| 1,1,1-Trichloroethane | 25.0 | 28.8 | 115 | 3 | 20 | 70 - 130 |
| 1,1,2,2-Tetrachloroethane | 25.0 | 24.0 | 96 | 4 | 20 | 70 - 130 |
| 1,1,2-Trichloroethane | 25.0 | 28.8 | 115 | 3 | 20 | 70 - 130 |
| 1,1-Dichloroethane | 25.0 | 28.4 | 114 | 3 | 20 | 70 - 130 |
| 1,1-Dichloroethene | 25.0 | 30.3 | 121 | 3 | 20 | 70 - 130 |
| 1,1-Dichloropropene | 25.0 | 27.8 | 111 | 4 | 20 | 70 - 130 |
| 1,2,3-Trichlorobenzene | 25.0 | 27.4 | 110 | 2 | 20 | 70 - 130 |
| 1,2,3-Trichloropropane | 25.0 | 24.1 | 96 | 5 | 20 | 70 - 130 |
| 1,2,4-Trichlorobenzene | 25.0 | 25.4 | 102 | 1 | 20 | 70 - 130 |
| 1,2,4-Trimethylbenzene | 25.0 | 24.8 | 99 | 4 | 20 | 70 - 130 |
| 1,2-Dibromo-3-Chloropropane | 25.0 | 24.5 | 98 | 6 | 20 | 70 - 130 |
| 1,2-Dibromoethane | 25.0 | 26.4 | 106 | 2 | 20 | 70 - 130 |
| 1,2-Dichlorobenzene | 25.0 | 24.7 | 99 | 5 | 20 | 70 - 130 |

LCS / LCS DUPLICATE RECOVERY

8260B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Solid

Batch: BH61428

Laboratory ID: BH61428-BSD1

Preparation: 5035

Initial/Final: 15 g / 15 ml

| COMPOUND | SPIKE ADDED (ug/L) | LCSD CONCENTRATION (ug/L) | LCSD % REC. # | % RPD # | QC LIMITS | |
|-------------------------|--------------------|---------------------------|---------------|---------|-----------|----------|
| | | | | | RPD | REC. |
| 1,2-Dichloroethane | 25.0 | 27.9 | 112 | 0 | 20 | 70 - 130 |
| 1,2-Dichloropropane | 25.0 | 28.0 | 112 | 3 | 20 | 70 - 130 |
| 1,3,5-Trimethylbenzene | 25.0 | 24.8 | 99 | 3 | 20 | 70 - 130 |
| 1,3-Dichlorobenzene | 25.0 | 24.0 | 96 | 4 | 20 | 70 - 130 |
| 1,3-Dichloropropane | 25.0 | 26.3 | 105 | 5 | 20 | 70 - 130 |
| 1,4-Dichlorobenzene | 25.0 | 23.8 | 95 | 4 | 20 | 70 - 130 |
| 1,4-Dioxane - Screen | 500 | 328 | 66 * | 4 | 20 | 70 - 130 |
| 1-Chlorohexane | 25.0 | 23.3 | 93 | 1 | 20 | 70 - 130 |
| 2,2-Dichloropropane | 25.0 | 24.9 | 100 | 1 | 20 | 70 - 130 |
| 2-Butanone | 125 | 137 | 110 | 7 | 20 | 70 - 130 |
| 2-Chlorotoluene | 25.0 | 25.0 | 100 | 2 | 20 | 70 - 130 |
| 2-Hexanone | 125 | 127 | 102 | 3 | 20 | 70 - 130 |
| 4-Chlorotoluene | 25.0 | 24.3 | 97 | 3 | 20 | 70 - 130 |
| 4-Isopropyltoluene | 25.0 | 24.1 | 96 | 2 | 20 | 70 - 130 |
| 4-Methyl-2-Pentanone | 125 | 140 | 112 | 4 | 20 | 70 - 130 |
| Acetone | 125 | 137 | 110 | 6 | 20 | 70 - 130 |
| Benzene | 25.0 | 29.0 | 116 | 4 | 20 | 70 - 130 |
| Bromobenzene | 25.0 | 26.0 | 104 | 4 | 20 | 70 - 130 |
| Bromochloromethane | 25.0 | 28.8 | 115 | 4 | 20 | 70 - 130 |
| Bromodichloromethane | 25.0 | 30.7 | 123 | 4 | 20 | 70 - 130 |
| Bromoform | 25.0 | 24.2 | 97 | 4 | 20 | 70 - 130 |
| Bromomethane | 25.0 | 26.4 | 106 | 0 | 20 | 70 - 130 |
| Carbon Disulfide | 25.0 | 29.9 | 120 | 2 | 20 | 70 - 130 |
| Carbon Tetrachloride | 25.0 | 28.1 | 112 | 5 | 20 | 70 - 130 |
| Chlorobenzene | 25.0 | 25.6 | 102 | 3 | 20 | 70 - 130 |
| Chloroethane | 25.0 | 27.8 | 111 | 4 | 20 | 70 - 130 |
| Chloroform | 25.0 | 28.5 | 114 | 2 | 20 | 70 - 130 |
| Chloromethane | 25.0 | 23.7 | 95 | 2 | 20 | 70 - 130 |
| cis-1,2-Dichloroethene | 25.0 | 30.5 | 122 | 2 | 20 | 70 - 130 |
| cis-1,3-Dichloropropene | 25.0 | 28.3 | 113 | 4 | 20 | 70 - 130 |

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA081406\M1041766.D Vial: 33
 Acq On : 14 Aug 106 9:20 pm Operator: RES
 Sample : BH61428-BS1 Inst : VOA MASS
 Misc : 100 Multiplr: 1.00
 Quant Time: Aug 15 9:55 19106

Method : C:\HPCHEM\1\METHODS\HI080806.M
 Title : Element ID: 0607032
 Last Update : Mon Aug 14 08:54:06 2006
 Response via : Multiple Level Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Fluorobenzene | 6.07 | 96 | 4177197 | 25.00 | ug/l | 0.00 |
| 58) Chlorobenzene-d5 | 10.14 | 117 | 3922913 | 25.00 | ug/l | 0.00 |
| 76) 1,4 Dichlorobenzene-D4 | 13.83 | 152 | 1876495 | 25.00 | ug/l | 0.00 |

| System Monitoring Compounds | R.T. | QIon | Response | Conc | Units | %Recovery |
|---------------------------------|-------|------|----------|-------|-------|-----------|
| 34) Dibromofluoromethane(SURR) | 5.31 | 111 | 2194929 | 28.33 | ug/l | 113.32% |
| 41) 1,2-Dichloroethane-d4(SURR) | 5.69 | 65 | 1032053 | 26.49 | ug/l | 105.98% |
| 59) Toluene-d8(SURR) | 8.08 | 98 | 4543572 | 25.69 | ug/l | 102.78% |
| 75) Bromofluorobenzene(SURR) | 11.96 | 95 | 2466930 | 24.58 | ug/l | 98.32% |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|--------------------------------|------|------|----------|--------|-------|--------|
| 2) Dichlorodifluoromethane | 1.54 | 85 | 1737224 | 22.70 | ug/l | 97 |
| 3) Chloromethane | 1.73 | 50 | 1240977 | 24.16 | ug/l | 99 |
| 4) Vinyl Chloride | 1.83 | 62 | 1296752 | 26.60 | ug/l | 98 |
| 5) Bromomethane | 2.13 | 94 | 1010400 | 26.41 | ug/l | 97 |
| 6) Chloroethane | 2.22 | 64 | 495484 | 28.85 | ug/l | 99 |
| 7) Trichlorofluoromethane | 2.45 | 101 | 1897604 | 22.19 | ug/l | 98 |
| 8) Diethyl ether | 2.79 | 59 | 929284 | 30.50 | ug/l | 99 |
| 9) Acrolein | 2.92 | 56 | 57195 | 15.08 | ug/l | 92 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.97 | 101 | 2350126 | 27.48 | ug/l | 100 |
| 11) Acetone | 3.11 | 58 | 237502 | 146.16 | ug/l | 92 |
| 12) Iodomethane | 3.12 | 142 | 2566838 | 28.61 | ug/l | 100 |
| 13) Carbon Disulfide | 3.17 | 76 | 3691612 | 30.55 | ug/l | 100 |
| 14) 1,1-Dichloroethene | 2.96 | 96 | 1371270 | 31.15 | ug/l | 97 |
| 15) Allyl Chloride | 3.33 | 41 | 2274204 | 27.18 | ug/l | 100 |
| 16) Methyl Acetate | 3.41 | 43 | 753484 | 30.67 | ug/l | 94 |
| 17) Methylene Chloride | 3.46 | 84 | 1399271 | 28.70 | ug/l | 99 |
| 18) Methyl tert-Butyl Ether | 3.77 | 73 | 2754320 | 28.76 | ug/l | 100 |
| 19) Acrylonitrile | 3.75 | 53 | 216311 | 30.61 | ug/l | 94 |
| 20) trans-1,2-Dichloroethene | 3.72 | 96 | 1515991 | 29.87 | ug/l | 98 |
| 21) 1,1-Dichloroethane | 4.16 | 63 | 2572109 | 29.27 | ug/l | 99 |
| 22) Vinyl Acetate | 4.25 | 43 | 4330095 | 25.88 | ug/l | 98 |
| 23) Chloroprene | 4.24 | 53 | 19132 | 0.32 | ug/l | # 1 |
| 24) Di-isopropyl ether | 4.27 | 45 | 5771546 | 28.75 | ug/l | 89 |
| 25) Ethyl tertiary-butyl ether | 4.64 | 59 | 4129322 | 28.22 | ug/l | 99 |
| 26) 2-Butanone | 4.85 | 72 | 328661 | 146.95 | ug/l | 95 |
| 27) cis-1,2 Dichloroethene | 4.77 | 96 | 1512720 | 31.18 | ug/l | 99 |
| 28) 2,2-Dichloropropane | 4.76 | 77 | 1741798 | 25.34 | ug/l | * 96 |
| 29) Methyl Acrylate | 4.93 | 55 | 791234 | 28.50 | ug/l | 100 |
| 30) Bromochloromethane | 5.04 | 128 | 776892 | 30.14 | ug/l | 98 |
| 31) Methacrylonitrile | 5.07 | 41 | 486793 | 29.38 | ug/l | 97 |
| 32) Tetrahydrofuran | 5.12 | 42 | 193301 | 26.94 | ug/l | 91 |
| 33) Chloroform | 5.13 | 83 | 2528237 | 29.11 | ug/l | 100 |
| 35) 1,1,1-Trichloroethane | 5.31 | 97 | 2086669 | 29.55 | ug/l | 99 |

(#) = qualifier out of range (m) = manual integration
 M1041766.D HI080806.M Tue Aug 15 09:55:33 2006

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA081406\M1041766.D Vial: 33
 Acq On : 14 Aug 106 9:20 pm Operator: RES
 Sample : BH61428-BS1 Inst : VOA MASS
 Misc : 100 Multiplr: 1.00
 Quant Time: Aug 15 9:55 19106

Method : C:\HPCHEM\1\METHODS\HI080806.M
 Title : Element ID: 0607032
 Last Update : Mon Aug 14 08:54:06 2006
 Response via : Multiple Level Calibration

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|--------|--------|--------|
| 36) Cyclohexane | 5.35 | 56 | 1378833 | 26.81 | ug/l | 99 |
| 37) 1-Chlorobutane | 5.43 | 56 | 2609918 | 29.26 | ug/l | 99 |
| 38) 1,1-Dichloropropene | 5.49 | 75 | 1784205 | 29.14 | ug/l | 100 |
| 39) Carbon Tetrachloride | 5.49 | 117 | 1773235 | 29.48 | ug/l | 97 |
| 40) Benzene | 5.73 | 78 | 4320193 | 28.02 | ug/l | 100 |
| 42) 1,2-Dichloroethane | 5.78 | 62 | 1288317 | 28.10 | ug/l | 99 |
| 43) Tertiary-amyl methyl ether | 5.90 | 73 | 3682227 | 27.83 | ug/l | 97 |
| 44) Trichloroethene | 6.51 | 95 | 1832457 | 28.72 | ug/l | 96 |
| 45) Methyl Cyclohexane | 6.72 | 83 | 1624041 | 28.21 | ug/l | 99 |
| 46) 1,2-Dichloropropane | 6.80 | 63 | 1725487 | 28.81 | ug/l | 100 |
| 47) Dibromomethane | 6.94 | 93 | 1167684 | 30.81 | ug/l | 99 |
| 48) Methyl Methacrylate | 6.98 | 41 | 1125709 | 30.12 | ug/l | 95 |
| 49) 1,4-Dioxane | 7.02 | 88 | 157714 | 344.53 | ug/l | 92 |
| 50) Bromodichloromethane | 7.15 | 83 | 2697013 | 31.86 | ug/l | 100 |
| 51) 2-Nitropropane | 7.48 | 43 | 171074 | 25.36 | ug/l # | 44 |
| 52) 2-Chloroethyl vinyl ether | 7.56 | 63 | 480449 | 27.90 | ug/l | 97 |
| 53) 4-Methyl-2-Pentanone | 7.98 | 58 | 2047757 | 146.09 | ug/l # | 86 |
| 54) cis-1,3-Dichloropropene | 7.73 | 75 | 2321210 | 29.65 | ug/l | 99 |
| 55) Toluene | 8.17 | 92 | 3065481 | 29.48 | ug/l | 100 |
| 56) trans-1,3-Dichloropropene | 8.49 | 75 | 1599148 | 26.79 | ug/l | 97 |
| 57) 1,1,2-Trichloroethane | 8.75 | 83 | 1078466 | 29.82 | ug/l | 97 |
| 60) 2-Hexanone | 9.14 | 43 | 3271296 | 131.41 | ug/l | 99 |
| 61) Ethyl Methacrylate | 8.64 | 69 | 1743374 | 26.61 | ug/l | 97 |
| 62) 1,3-Dichloropropane | 8.98 | 76 | 2082726 | 27.38 | ug/l | 100 |
| 63) Tetrachloroethene | 8.92 | 164 | 1411236 | 26.01 | ug/l | 93 |
| 64) Dibromochloromethane | 9.30 | 129 | 1721240 | 28.07 | ug/l | 100 |
| 65) 1,2-Dibromoethane | 9.46 | 107 | 1595376 | 27.10 | ug/l | 99 |
| 66) 1-Chlorohexane | 10.16 | 91 | 1782936 | 23.64 | ug/l | 99 |
| 67) Chlorobenzene | 10.18 | 112 | 3484451 | 26.32 | ug/l | 99 |
| 68) 1,1,1,2-Tetrachloroethane | 10.30 | 131 | 1450073 | 26.85 | ug/l | 99 |
| 69) Ethylbenzene | 10.34 | 91 | 5532521 | 26.72 | ug/l | 99 |
| 70) Xylene P,M | 10.54 | 106 | 4321563 | 53.09 | ug/l | 97 |
| 71) Xylene O | 11.13 | 106 | 2125258 | 26.82 | ug/l | 98 |
| 72) Styrene | 11.17 | 104 | 3730957 | 27.31 | ug/l | 99 |
| 73) Bromoform | 11.45 | 173 | 1077130 | 25.31 | ug/l | 100 |
| 77) Isopropylbenzene | 11.72 | 105 | 4866790 | 23.83 | ug/l | 100 |
| 78) Trans-1,4-Dichloro-2-Buten | 12.32 | 53 | 274433 | 23.48 | ug/l # | 51 |
| 79) 1,2,3-Trichloropropane | 12.29 | 75 | 1325412 | 25.22 | ug/l | 95 |
| 80) Bromobenzene | 12.19 | 156 | 1520444 | 26.97 | ug/l | 98 |
| 81) 1,1,2,2-Tetrachloroethane | 12.23 | 83 | 1535400 | 25.13 | ug/l | 96 |
| 82) n-Propylbenzene | 12.38 | 91 | 5796494 | 24.93 | ug/l | 99 |
| 83) 2-Chlorotoluene | 12.50 | 91 | 4162684 | 25.64 | ug/l m | 99 |
| 84) 4-Chlorotoluene | 12.68 | 91 | 4389751 | 25.02 | ug/l | 100 |
| 85) 1,3,5-Trimethylbenzene | 12.68 | 105 | 3973847 | 25.55 | ug/l | 99 |

(#) = qualifier out of range (m) = manual integration
 M1041766.D HI080806.M Tue Aug 15 09:55:35 2006

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA081406\M1041766.D Vial: 33
 Acq On : 14 Aug 106 9:20 pm Operator: RES
 Sample : BH61428-BS1 Inst : VOA MASS
 Misc : 100 Multiplr: 1.00
 Quant Time: Aug 15 9:55 19106

Method : C:\HPCHEM\1\METHODS\HI080806.M
 Title : Element ID: 0607032
 Last Update : Mon Aug 14 08:54:06 2006
 Response via : Multiple Level Calibration

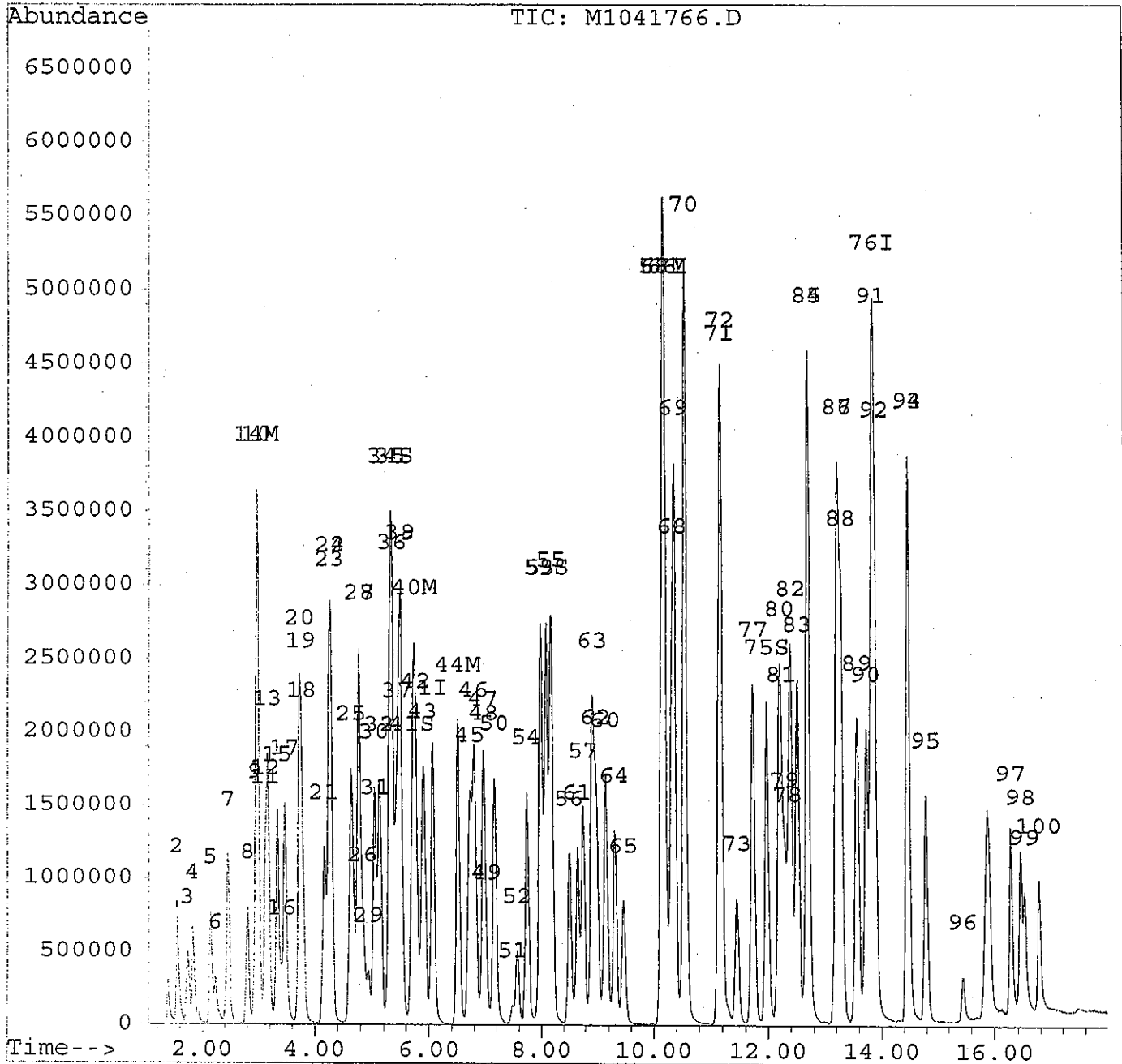
| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|-------|------|--------|
| 86) tert-Butylbenzene | 13.20 | 119 | 4618003 | 25.45 | ug/l | 99 |
| 87) Pentachloroethane | 13.20 | 119 | 4618003 | 25.45 | ug/l | 95 |
| 88) 1,2,4-Trimethylbenzene | 13.27 | 105 | 4096906 | 25.73 | ug/l | 100 |
| 89) sec-Butylbenzene | 13.55 | 105 | 4838568 | 24.68 | ug/l | 99 |
| 90) 1,3 Dichlorobenzene | 13.71 | 146 | 2262530 | 24.94 | ug/l | 99 |
| 91) 4-Isopropyltoluene | 13.80 | 119 | 3559979 | 24.40 | ug/l | 97 |
| 92) 1,4 Dichlorobenzene | 13.87 | 146 | 2398958 | 24.84 | ug/l | 97 |
| 93) n-Butylbenzene | 14.46 | 91 | 3191718 | 24.50 | ug/l | 98 |
| 94) 1,2 Dichlorobenzene | 14.45 | 146 | 2037262 | 25.90 | ug/l | 98 |
| 95) Hexachloroethane | 14.78 | 117 | 911352 | 24.80 | ug/l | 99 |
| 96) 1,2-Dibromo-3-Chloropropan | 15.44 | 75 | 185777 | 25.95 | ug/l | 97 |
| 97) 1,2,4-Trichlorobenzene | 16.27 | 180 | 979702 | 25.72 | ug/l | 97 |
| 98) Hexachlorobutadiene | 16.44 | 225 | 567646 | 26.29 | ug/l | 95 |
| 99) Naphthalene | 16.52 | 128 | 1345357 | 26.95 | ug/l | 100 |
| 100) 1,2,3-Trichlorobenzene | 16.76 | 180 | 709418 | 27.89 | ug/l | 97 |

(#) = qualifier out of range (m) = manual integration
 M1041766.D HI080806.M Tue Aug 15 09:55:36 2006

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA081406\M1041766.D Vial: 33
Acq On : 14 Aug 106 9:20 pm Operator: RES
Sample : BH61428-BS1 Inst : VOA MASS
Misc : 100 Multiplr: 1.00
Quant Time: Aug 15 9:55 19106

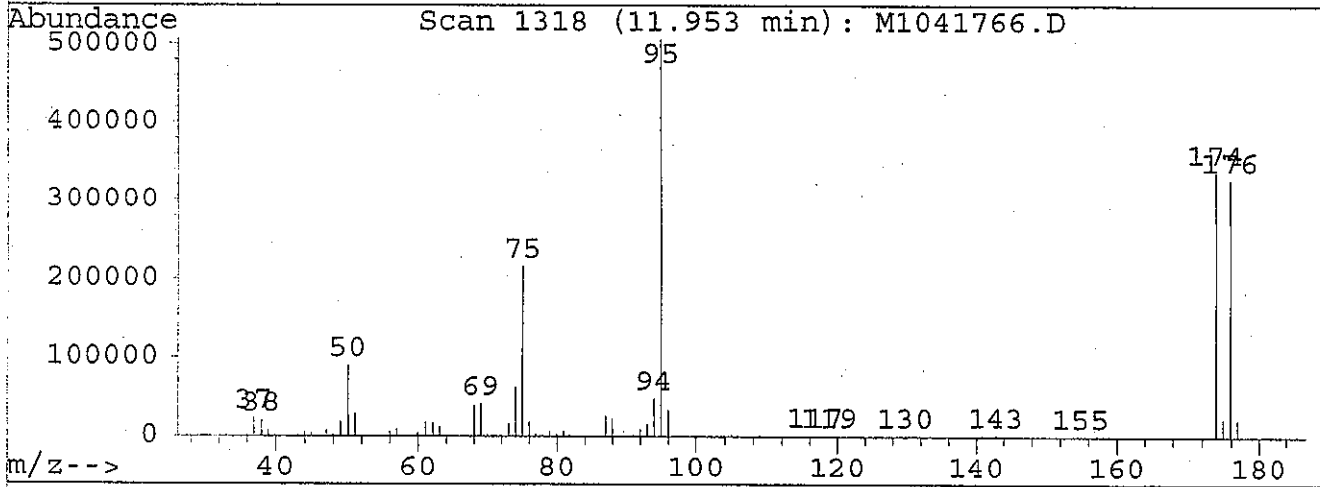
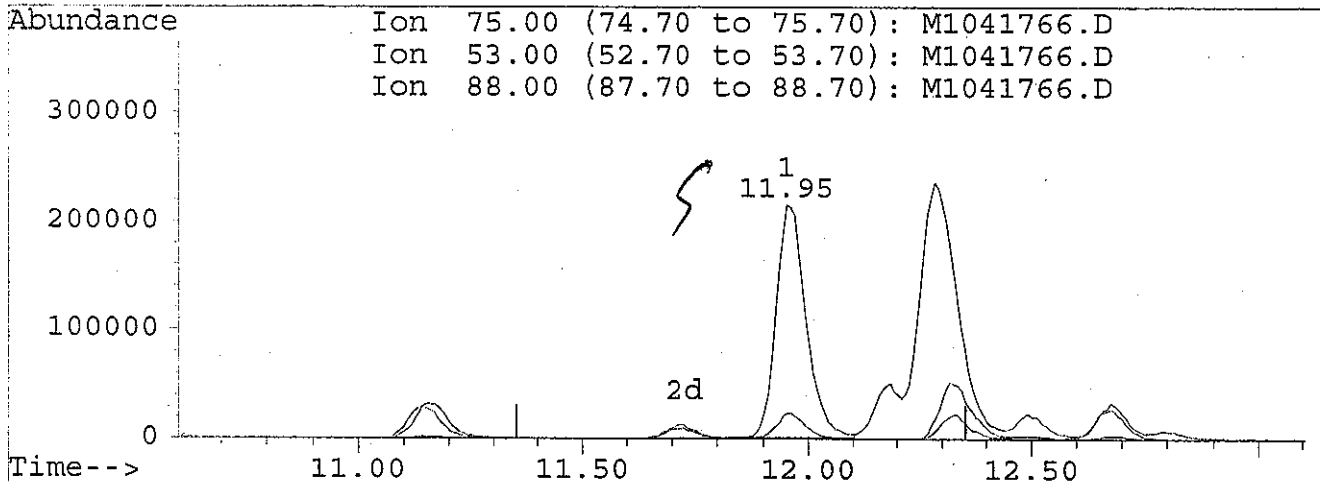
Method : C:\HPCHEM\1\METHODS\HI080806.M
Title : Element ID: 0607032
Last Update : Mon Aug 14 08:54:06 2006
Response via : Multiple Level Calibration



Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA081406\M1041766.D Vial: 33
 Acq On : 14 Aug 106 9:20 pm Operator: RES
 Sample : BH61428-BS1 Inst : VOA MASS
 Misc : 100 Multiplr: 1.00
 Quant Time: Aug 14 21:38 19106

Method : C:\HPCHEM\1\METHODS\HI080806.M
 Title : Element ID: 0607032
 Last Update : Mon Aug 14 08:54:06 2006
 Response via : Multiple Level Calibration



TIC: M1041766.D

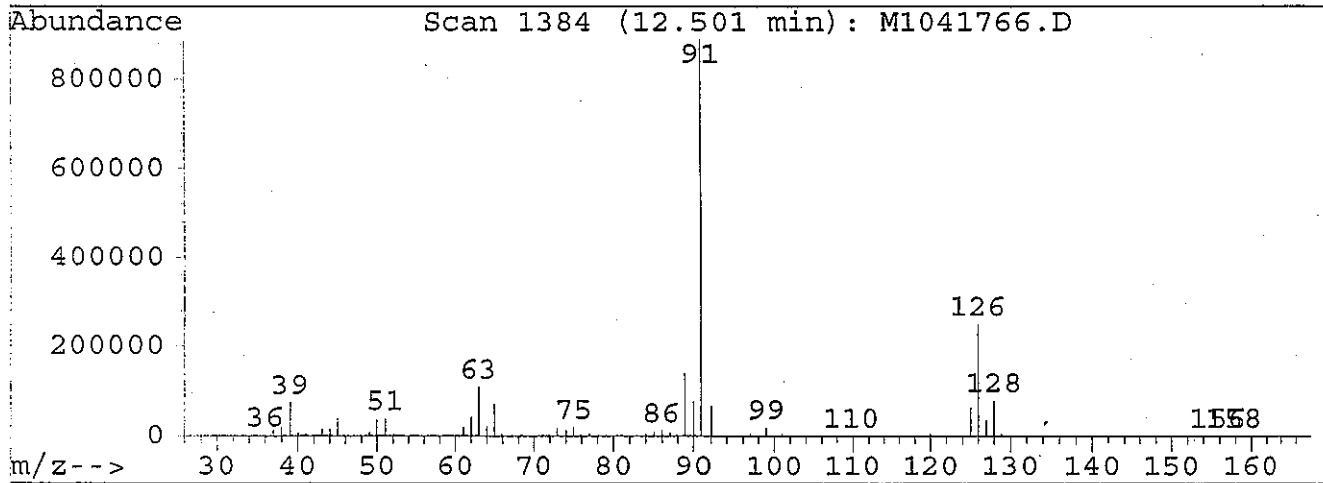
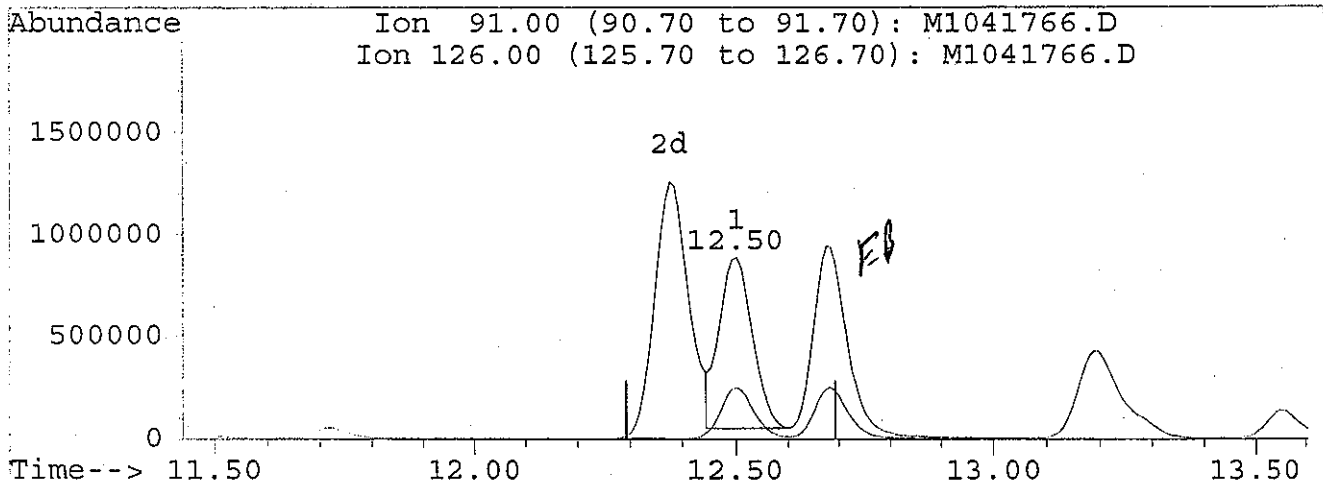
(74) cis1,4-Dichloro-2-butene
 11.95min 102.84ug/l
 response 978675

| Ion | Exp% | Act% |
|-------|-------|--------|
| 75.00 | 100 | 100 |
| 53.00 | 86.10 | 0.00# |
| 88.00 | 76.80 | 10.77# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA081406\M1041766.D Vial: 33
 Acq On : 14 Aug 106 9:20 pm Operator: RES
 Sample : BH61428-BS1 Inst : VOA MASS
 Misc : 100 Multiplr: 1.00
 Quant Time: Aug 15 9:54 19106

Method : C:\HPCHEM\1\METHODS\HI080806.M
 Title : Element ID: 0607032
 Last Update : Mon Aug 14 08:54:06 2006
 Response via : Multiple Level Calibration



TIC: M1041766.D

(83) 2-Chlorotoluene
 12.50min 22.57ug/l
 response 3665192

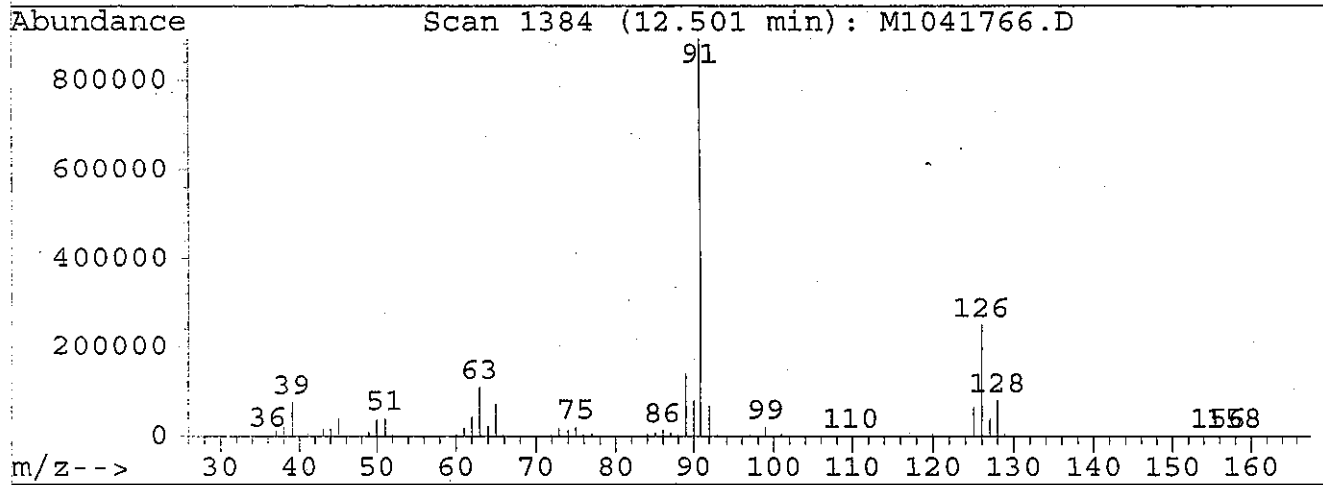
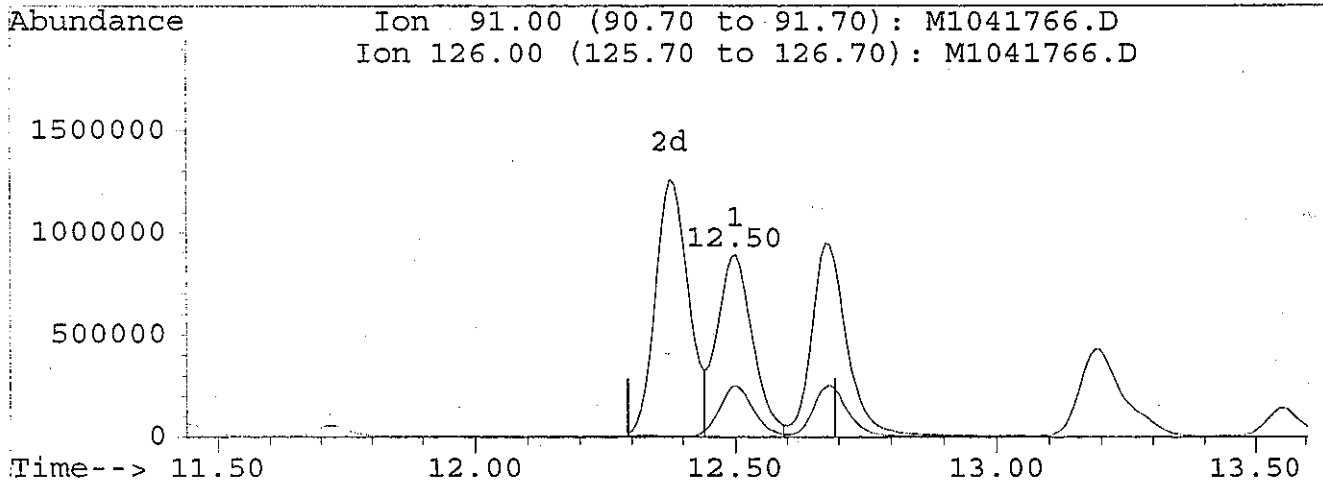
| Ion | Exp% | Act% |
|--------|-------|-------|
| 91.00 | 100 | 100 |
| 126.00 | 27.40 | 28.15 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA081406\M1041766.D
 Acq On : 14 Aug 106 9:20 pm
 Sample : BH61428-BS1
 Misc : 100
 Quant Time: Aug 15 9:55 19106

Vial: 33
 Operator: RES
 Inst : VOA MASS
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\HI080806.M
 Title : Element ID: 0607032
 Last Update : Mon Aug 14 08:54:06 2006
 Response via : Multiple Level Calibration



TIC: M1041766.D

(83) 2-Chlorotoluene

| | | |
|----------|-------------|-------|
| 12.50min | 25.64ug/l m | |
| response | 4162684 | |
| Ion | Exp% | Act% |
| 91.00 | 100 | 100 |
| 126.00 | 27.40 | 28.15 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA081406\M1041767.D Vial: 34
 Acq On : 14 Aug 106 9:47 pm Operator: RES
 Sample : BH61428-BSD1 Inst : VOA MASS
 Misc : 100 Multiplr: 1.00
 Quant Time: Aug 15 9:56 19106

Method : C:\HPCHEM\1\METHODS\HI080806.M
 Title : Element ID: 0607032
 Last Update : Mon Aug 14 08:54:06 2006
 Response via : Multiple Level Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|----------------------------|-------|------|----------|-------|-------|-----------|
| 1) Fluorobenzene | 6.07 | 96 | 4210890 | 25.00 | ug/l | 0.00 |
| 58) Chlorobenzene-d5 | 10.14 | 117 | 3909323 | 25.00 | ug/l | 0.00 |
| 76) 1,4 Dichlorobenzene-D4 | 13.83 | 152 | 1889890 | 25.00 | ug/l | 0.00 |

| System Monitoring Compounds | R.T. | QIon | Response | Conc | Units | %Recovery |
|----------------------------------|-------|------|----------|-------|-------|-----------|
| 34) Dibromofluoromethane (SURR) | 5.31 | 111 | 2154873 | 27.59 | ug/l | 110.36% |
| 41) 1,2-Dichloroethane-d4 (SURR) | 5.69 | 65 | 1111608 | 28.31 | ug/l | 113.24% |
| 59) Toluene-d8 (SURR) | 8.08 | 98 | 4469230 | 25.36 | ug/l | 101.45% |
| 75) Bromofluorobenzene (SURR) | 11.96 | 95 | 2415946 | 24.15 | ug/l | 96.62% |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|--------------------------------|------|------|----------|--------|-------|--------|
| 2) Dichlorodifluoromethane | 1.54 | 85 | 1686966 | 21.87 | ug/l | 98 |
| 3) Chloromethane | 1.73 | 50 | 1229601 | 23.74 | ug/l | 99 |
| 4) Vinyl Chloride | 1.82 | 62 | 1266486 | 25.77 | ug/l | 98 |
| 5) Bromomethane | 2.13 | 94 | 1017355 | 26.38 | ug/l | 96 |
| 6) Chloroethane | 2.23 | 64 | 481982 | 27.84 | ug/l | 99 |
| 7) Trichlorofluoromethane | 2.45 | 101 | 1969122 | 22.84 | ug/l | 99 |
| 8) Diethyl ether | 2.79 | 59 | 892897 | 29.07 | ug/l | 98 |
| 9) Acrolein | 2.93 | 56 | 56450 | 14.76 | ug/l | 98 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.97 | 101 | 2295638 | 26.63 | ug/l | 99 |
| 11) Acetone | 3.11 | 58 | 223931 | 136.71 | ug/l | 90 |
| 12) Iodomethane | 3.12 | 142 | 2543016 | 28.12 | ug/l | 100 |
| 13) Carbon Disulfide | 3.17 | 76 | 3640087 | 29.88 | ug/l | 99 |
| 14) 1,1-Dichloroethene | 2.96 | 96 | 1344288 | 30.29 | ug/l | 94 |
| 15) Allyl Chloride | 3.33 | 41 | 2207224 | 26.16 | ug/l | 99 |
| 16) Methyl Acetate | 3.40 | 43 | 715209 | 28.88 | ug/l | 98 |
| 17) Methylene Chloride | 3.46 | 84 | 1361678 | 27.70 | ug/l | 99 |
| 18) Methyl tert-Butyl Ether | 3.77 | 73 | 2654193 | 27.50 | ug/l | 99 |
| 19) Acrylonitrile | 3.76 | 53 | 206181 | 28.95 | ug/l | 99 |
| 20) trans-1,2-Dichloroethene | 3.72 | 96 | 1484506 | 29.02 | ug/l | 100 |
| 21) 1,1-Dichloroethane | 4.16 | 63 | 2515899 | 28.40 | ug/l | 99 |
| 22) Vinyl Acetate | 4.25 | 43 | 4208260 | 24.95 | ug/l | 100 |
| 24) Di-isopropyl ether | 4.26 | 45 | 5625254 | 27.79 | ug/l | 93 |
| 25) Ethyl tertiary-butyl ether | 4.64 | 59 | 4016159 | 27.23 | ug/l | 98 |
| 26) 2-Butanone | 4.86 | 72 | 308366 | 136.77 | ug/l | 95 |
| 27) cis-1,2 Dichloroethene | 4.77 | 96 | 1492635 | 30.52 | ug/l | 97 |
| 28) 2,2-Dichloropropane | 4.76 | 77 | 1722461 | 24.86 | ug/l | 96 |
| 29) Methyl Acrylate | 4.94 | 55 | 748597 | 26.75 | ug/l | 98 |
| 30) Bromochloromethane | 5.04 | 128 | 747634 | 28.78 | ug/l | 97 |
| 31) Methacrylonitrile | 5.07 | 41 | 468787 | 28.07 | ug/l | 96 |
| 32) Tetrahydrofuran | 5.12 | 42 | 187478 | 25.92 | ug/l | 94 |
| 33) Chloroform | 5.13 | 83 | 2491389 | 28.46 | ug/l | 99 |
| 35) 1,1,1-Trichloroethane | 5.32 | 97 | 2047406 | 28.76 | ug/l | 97 |
| 36) Cyclohexane | 5.36 | 56 | 1323438 | 25.52 | ug/l | 96 |

(#) = qualifier out of range (m) = manual integration
 M1041767.D HI080806.M Tue Aug 15 09:56:53 2006

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA081406\M1041767.D Vial: 34
 Acq On : 14 Aug 106 9:47 pm Operator: RES
 Sample : BH61428-BSD1 Inst : VOA MASS
 Misc : 100 Multiplr: 1.00
 Quant Time: Aug 15 9:56 19106

Method : C:\HPCHEM\1\METHODS\HI080806.M
 Title : Element ID: 0607032
 Last Update : Mon Aug 14 08:54:06 2006
 Response via : Multiple Level Calibration

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|--------|--------|--------|
| 37) 1-Chlorobutane | 5.44 | 56 | 2611789 | 29.05 | ug/l | 99 |
| 38) 1,1-Dichloropropene | 5.49 | 75 | 1713685 | 27.76 | ug/l | 98 |
| 39) Carbon Tetrachloride | 5.49 | 117 | 1702835 | 28.09 | ug/l | 96 |
| 40) Benzene | 5.74 | 78 | 4509340 | 29.01 | ug/l | 100 |
| 42) 1,2-Dichloroethane | 5.78 | 62 | 1290631 | 27.93 | ug/l | 98 |
| 43) Tertiary-amyl methyl ether | 5.90 | 73 | 3570082 | 26.77 | ug/l | 99 |
| 44) Trichloroethene | 6.51 | 95 | 1790272 | 27.83 | ug/l | 97 |
| 45) Methyl Cyclohexane | 6.72 | 83 | 1600282 | 27.58 | ug/l | 98 |
| 46) 1,2-Dichloropropane | 6.80 | 63 | 1690487 | 28.00 | ug/l | 99 |
| 47) Dibromomethane | 6.95 | 93 | 1138838 | 29.81 | ug/l | 98 |
| 48) Methyl Methacrylate | 6.98 | 41 | 1062932 | 28.22 | ug/l | 97 |
| 49) 1,4-Dioxane | 7.03 | 88 | 151217 | 327.69 | ug/l | 100 |
| 50) Bromodichloromethane | 7.15 | 83 | 2616239 | 30.66 | ug/l | 97 |
| 51) 2-Nitropropane | 7.48 | 43 | 181360 | 26.67 | ug/l | 55 |
| 52) 2-Chloroethyl vinyl ether | 7.56 | 63 | 444509 | 25.61 | ug/l | 98 |
| 53) 4-Methyl-2-Pentanone | 7.98 | 58 | 1971425 | 139.52 | ug/l # | 85 |
| 54) cis-1,3-Dichloropropene | 7.74 | 75 | 2233411 | 28.30 | ug/l | 99 |
| 55) Toluene | 8.17 | 92 | 3001387 | 28.63 | ug/l | 99 |
| 56) trans-1,3-Dichloropropene | 8.49 | 75 | 1553628 | 25.82 | ug/l | 98 |
| 57) 1,1,2-Trichloroethane | 8.75 | 83 | 1048233 | 28.76 | ug/l | 98 |
| 60) 2-Hexanone | 9.13 | 43 | 3149209 | 126.95 | ug/l | 98 |
| 61) Ethyl Methacrylate | 8.64 | 69 | 1707746 | 26.15 | ug/l | 98 |
| 62) 1,3-Dichloropropane | 8.98 | 76 | 1990397 | 26.26 | ug/l | 100 |
| 63) Tetrachloroethene | 8.92 | 164 | 1395116 | 25.80 | ug/l | 96 |
| 64) Dibromochloromethane | 9.30 | 129 | 1678079 | 27.46 | ug/l | 97 |
| 65) 1,2-Dibromoethane | 9.46 | 107 | 1545686 | 26.35 | ug/l | 100 |
| 66) 1-Chlorohexane | 10.16 | 91 | 1751216 | 23.30 | ug/l | 99 |
| 67) Chlorobenzene | 10.18 | 112 | 3383276 | 25.65 | ug/l | 100 |
| 68) 1,1,1,2-Tetrachloroethane | 10.31 | 131 | 1414837 | 26.29 | ug/l | 97 |
| 69) Ethylbenzene | 10.35 | 91 | 5490317 | 26.61 | ug/l | 99 |
| 70) Xylene P,M | 10.53 | 106 | 4268759 | 52.62 | ug/l | 99 |
| 71) Xylene O | 11.14 | 106 | 2072758 | 26.25 | ug/l | 100 |
| 72) Styrene | 11.17 | 104 | 3665566 | 26.93 | ug/l | 99 |
| 73) Bromoform | 11.45 | 173 | 1026784 | 24.24 | ug/l | 100 |
| 77) Isopropylbenzene | 11.72 | 105 | 4781716 | 23.25 | ug/l | 99 |
| 78) Trans-1,4-Dichloro-2-Buten | 12.33 | 53 | 254385 | 21.61 | ug/l # | 72 |
| 79) 1,2,3-Trichloropropane | 12.28 | 75 | 1276205 | 24.11 | ug/l | 97 |
| 80) Bromobenzene | 12.18 | 156 | 1477580 | 26.02 | ug/l | 98 |
| 81) 1,1,2,2-Tetrachloroethane | 12.23 | 83 | 1478815 | 24.03 | ug/l | 99 |
| 82) n-Propylbenzene | 12.38 | 91 | 5650976 | 24.13 | ug/l | 98 |
| 83) 2-Chlorotoluene | 12.50 | 91 | 4096375 | 25.05 | ug/l m | 97 |
| 84) 4-Chlorotoluene | 12.68 | 91 | 4292084 | 24.29 | ug/l | 98 |
| 85) 1,3,5-Trimethylbenzene | 12.67 | 105 | 3884890 | 24.80 | ug/l | 97 |
| 86) tert-Butylbenzene | 13.20 | 119 | 4522926 | 24.75 | ug/l | 98 |

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

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA081406\M1041767.D Vial: 34
 Acq On : 14 Aug 106 9:47 pm Operator: RES
 Sample : BH61428-BSD1 Inst : VOA MASS
 Misc : 100 Multiplr: 1.00
 Quant Time: Aug 15 9:56 19106

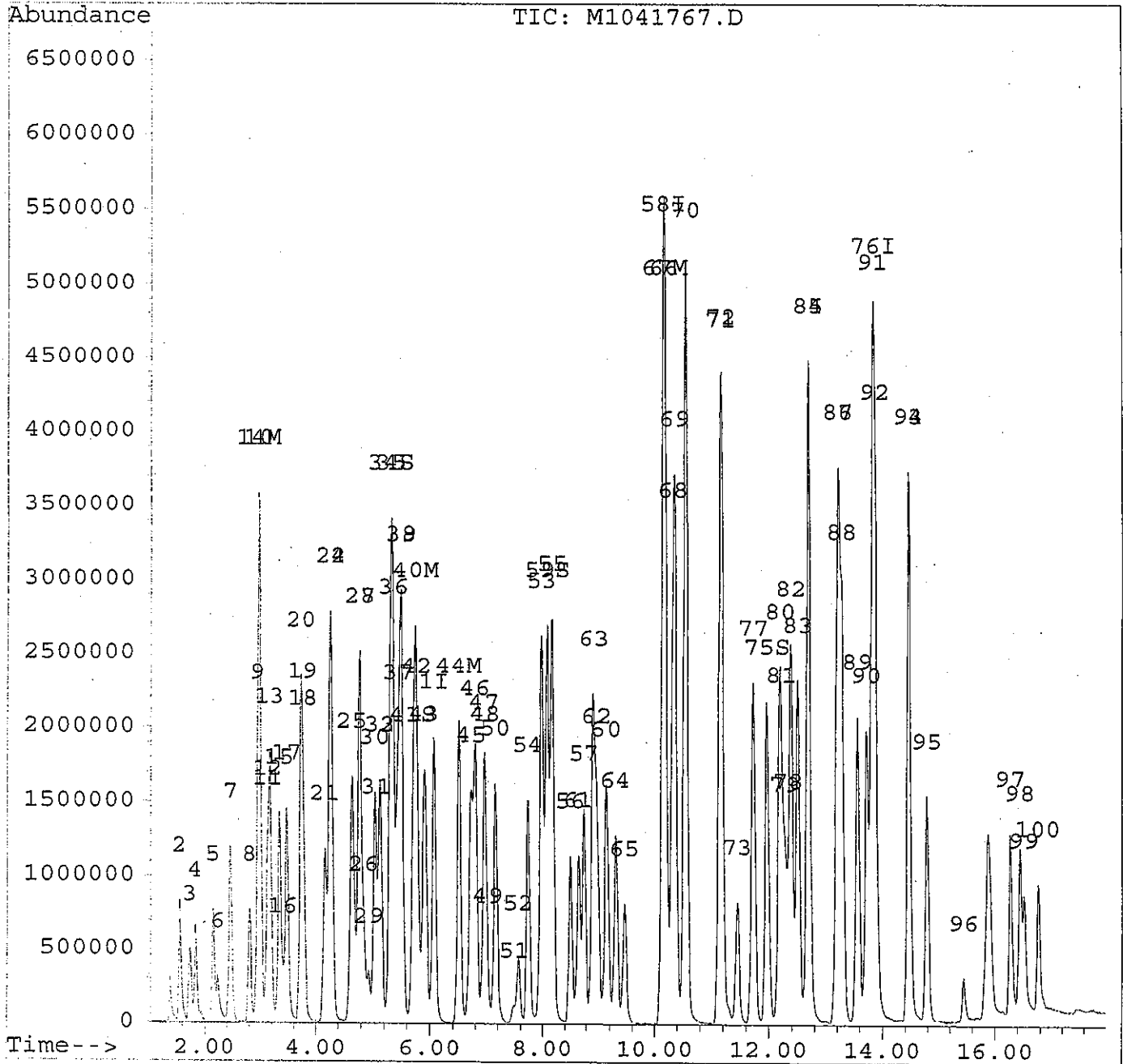
Method : C:\HPCHEM\1\METHODS\HI080806.M
 Title : Element ID: 0607032
 Last Update : Mon Aug 14 08:54:06 2006
 Response via : Multiple Level Calibration

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|-------|------|--------|
| 87) Pentachloroethane | 13.20 | 119 | 4522926 | 24.75 | ug/l | 93 |
| 88) 1,2,4-Trimethylbenzene | 13.28 | 105 | 3974064 | 24.78 | ug/l | 99 |
| 89) sec-Butylbenzene | 13.55 | 105 | 4762274 | 24.12 | ug/l | 98 |
| 90) 1,3 Dichlorobenzene | 13.71 | 146 | 2196855 | 24.05 | ug/l | 100 |
| 91) 4-Isopropyltoluene | 13.81 | 119 | 3534792 | 24.06 | ug/l | 99 |
| 92) 1,4 Dichlorobenzene | 13.87 | 146 | 2311583 | 23.77 | ug/l | 97 |
| 93) n-Butylbenzene | 14.46 | 91 | 3141164 | 23.94 | ug/l | 99 |
| 94) 1,2 Dichlorobenzene | 14.45 | 146 | 1956579 | 24.70 | ug/l | 100 |
| 95) Hexachloroethane | 14.78 | 117 | 888784 | 24.02 | ug/l | 98 |
| 96) 1,2-Dibromo-3-Chloropropan | 15.43 | 75 | 176931 | 24.54 | ug/l | 96 |
| 97) 1,2,4-Trichlorobenzene | 16.27 | 180 | 975250 | 25.42 | ug/l | 99 |
| 98) Hexachlorobutadiene | 16.45 | 225 | 583916 | 26.87 | ug/l | 97 |
| 99) Naphthalene | 16.52 | 128 | 1310273 | 26.05 | ug/l | 100 |
| 100) 1,2,3-Trichlorobenzene | 16.76 | 180 | 702862 | 27.42 | ug/l | 97 |

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA081406\M1041767.D Vial: 34
Acq On : 14 Aug 106 9:47 pm Operator: RES
Sample : BH61428-BSD1 Inst : VOA MASS
Misc : 100 Multiplr: 1.00
Quant Time: Aug 15 9:56 19106

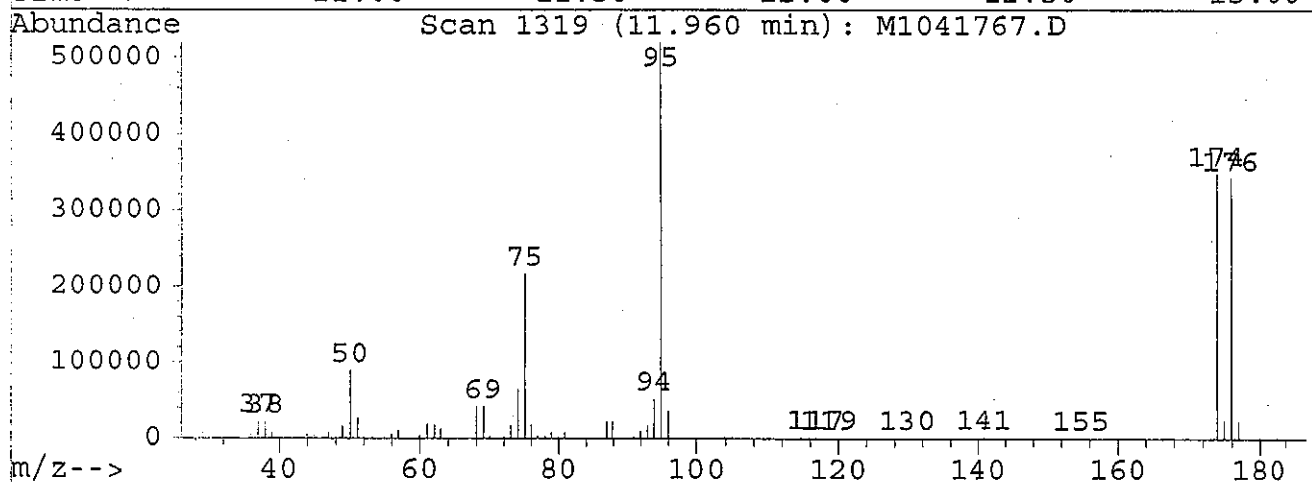
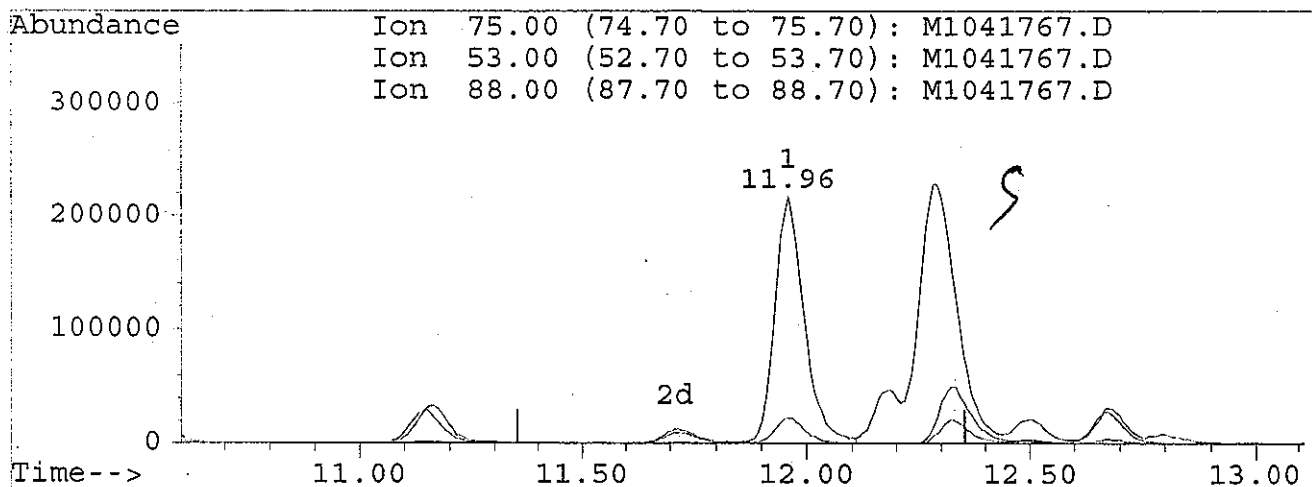
Method : C:\HPCHEM\1\METHODS\HI080806.M
Title : Element ID: 0607032
Last Update : Mon Aug 14 08:54:06 2006
Response via : Multiple Level Calibration



Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA081406\M1041767.D Vial: 34
 Acq On : 14 Aug 106 9:47 pm Operator: RES
 Sample : BH61428-BSD1 Inst : VOA MASS
 Misc : 100 Multiplr: 1.00
 Quant Time: Aug 14 22:05 19106

Method : C:\HPCHEM\1\METHODS\HI080806.M
 Title : Element ID: 0607032
 Last Update : Mon Aug 14 08:54:06 2006
 Response via : Multiple Level Calibration



TIC: M1041767.D

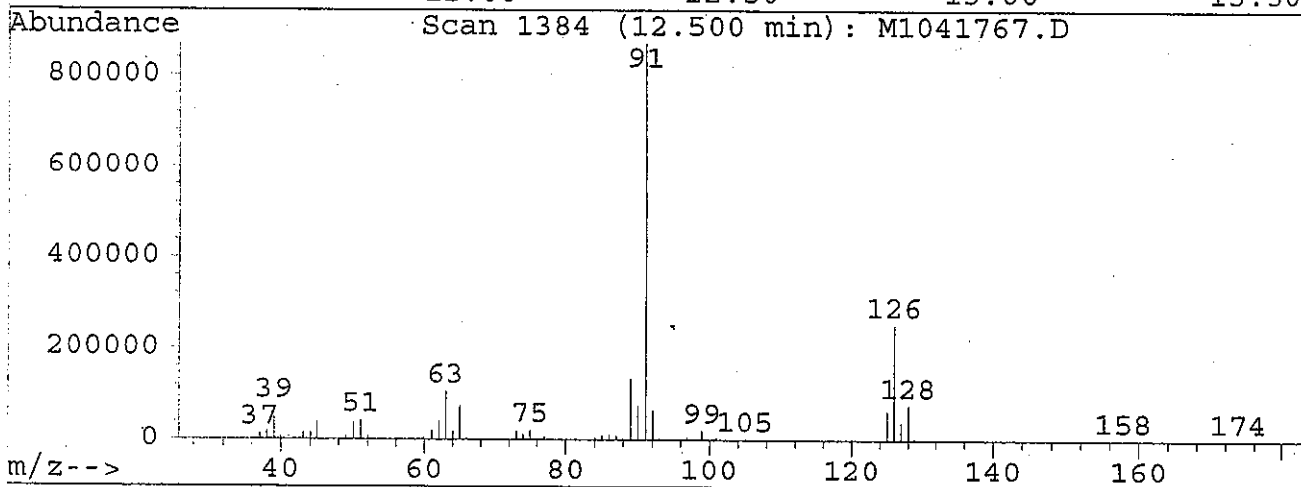
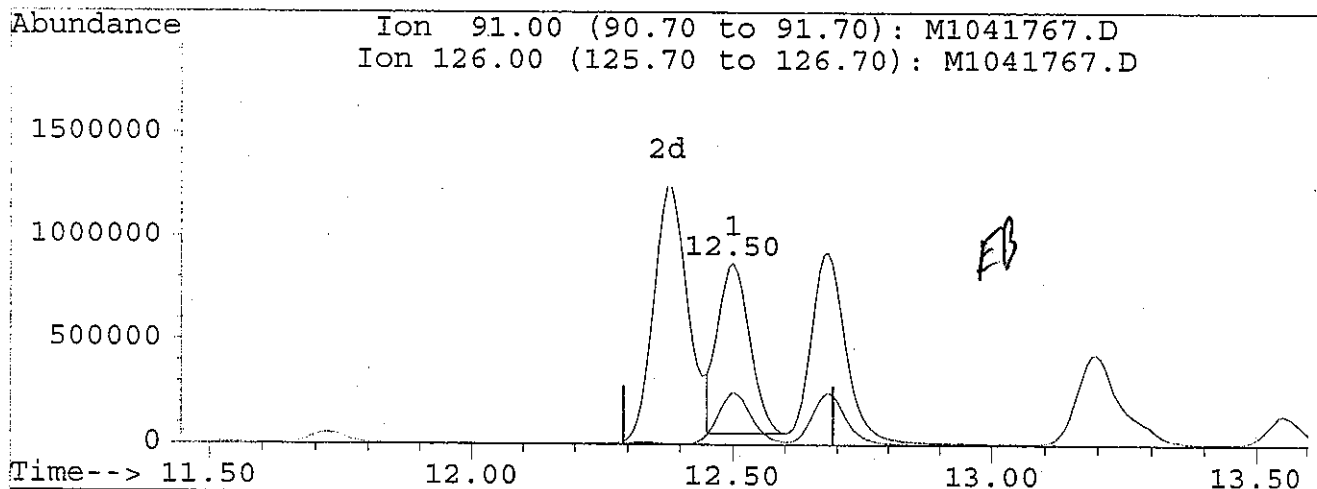
(74) cis1,4-Dichloro-2-butene
 11.96min 103.62ug/l
 response 982684

| Ion | Exp% | Act% |
|-------|-------|--------|
| 75.00 | 100 | 100 |
| 53.00 | 86.10 | 0.00# |
| 88.00 | 76.80 | 10.45# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA081406\M1041767.D Vial: 34
 Acq On : 14 Aug 106 9:47 pm Operator: RES
 Sample : BH61428-BSD1 Inst : VOA MASS
 Misc : 100 Multiplr: 1.00
 Quant Time: Aug 15 9:56 19106

Method : C:\HPCHEM\1\METHODS\HI080806.M
 Title : Element ID: 0607032
 Last Update : Mon Aug 14 08:54:06 2006
 Response via : Multiple Level Calibration



TIC: M1041767.D

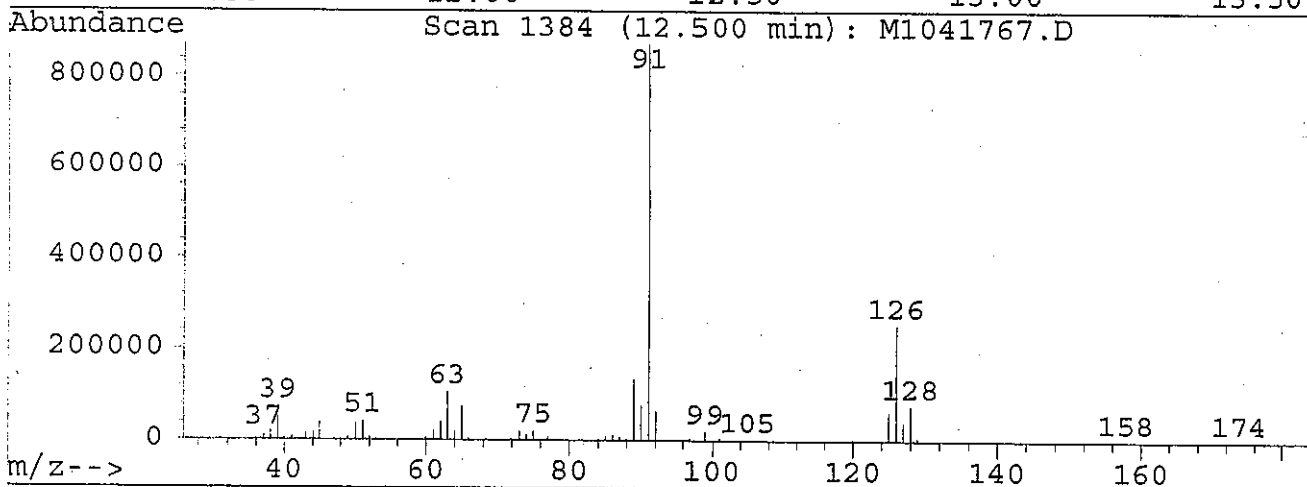
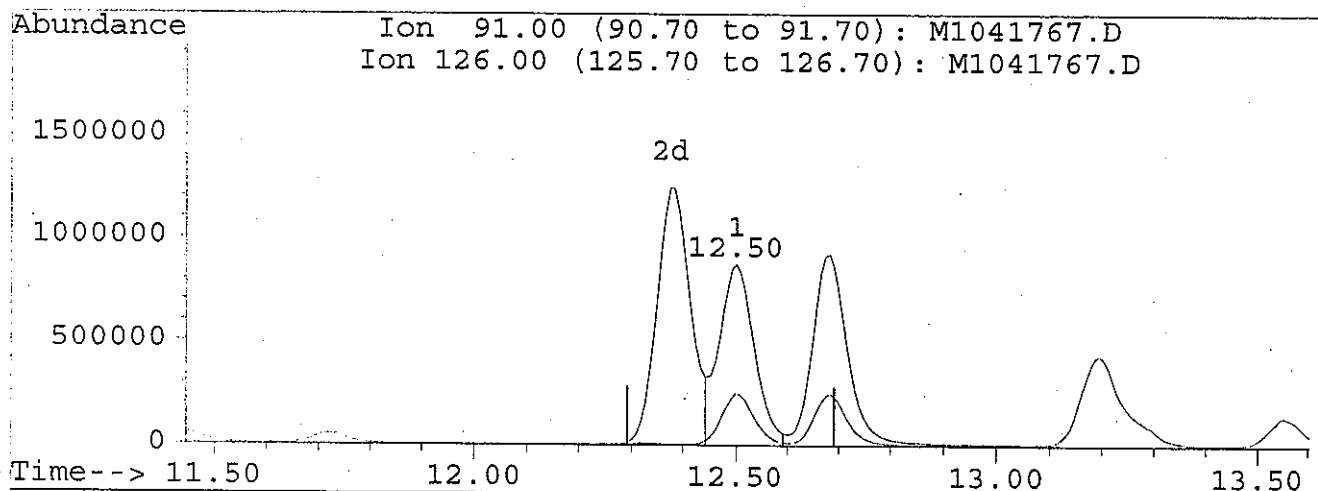
(83) 2-Chlorotoluene

| | |
|----------|-------------|
| 12.50min | 21.31ug/l |
| response | 3484578 |
| Ion | Exp% Act% |
| 91.00 | 100 100 |
| 126.00 | 27.40 29.00 |
| 0.00 | 0.00 0.00 |
| 0.00 | 0.00 0.00 |

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA081406\M1041767.D Vial: 34
 Acq On : 14 Aug 106 9:47 pm Operator: RES
 Sample : BH61428-BSD1 Inst : VOA MASS
 Misc : 100 Multiplr: 1.00
 Quant Time: Aug 15 9:56 19106

Method : C:\HPCHEM\1\METHODS\HI080806.M
 Title : Element ID: 0607032
 Last Update : Mon Aug 14 08:54:06 2006
 Response via : Multiple Level Calibration



TIC: M1041767.D

(83) 2-Chlorotoluene

| | | |
|----------|-------------|-------|
| 12.50min | 25.05ug/l m | |
| response | 4096375 | |
| Ion | Exp% | Act% |
| 91.00 | 100 | 100 |
| 126.00 | 27.40 | 29.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Volatile Organics Calibration Data

ANALYSIS BATCH (SEQUENCE) SUMMARY
8260B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Sequence: BPH0148

Instrument: VMS1

Matrix: Solid

Calibration: 0608018

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|-------------------|---------------|-------------|--------------------|
| MS Tune | BPH0148-TUN1 | M1041764.D | 08/14/06 20:25 |
| Calibration Check | BPH0148-CCV1 | M1041765.D | 08/14/06 20:52 |
| LCS | BH61428-BS1 | M1041766.D | 08/14/06 21:20 |
| LCS Dup | BH61428-BSD1 | M1041767.D | 08/14/06 21:47 |
| Blank | BH61428-BLK1 | M1041770.D | 08/14/06 23:09 |
| Vertex Fill | 0608248-11 | M1041775.D | 08/15/06 01:25 |
| Vertex Fill | BH61428-MS1 | M1041781.D | 08/15/06 07:39 |
| Vertex Fill | BH61428-MSD1 | M1041782.D | 08/15/06 08:06 |

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

8260B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Lab File ID: M1041764.D

Injection Date: 08/14/06

Instrument ID: VMS1

Injection Time: 20:25

Sequence: BPH0148

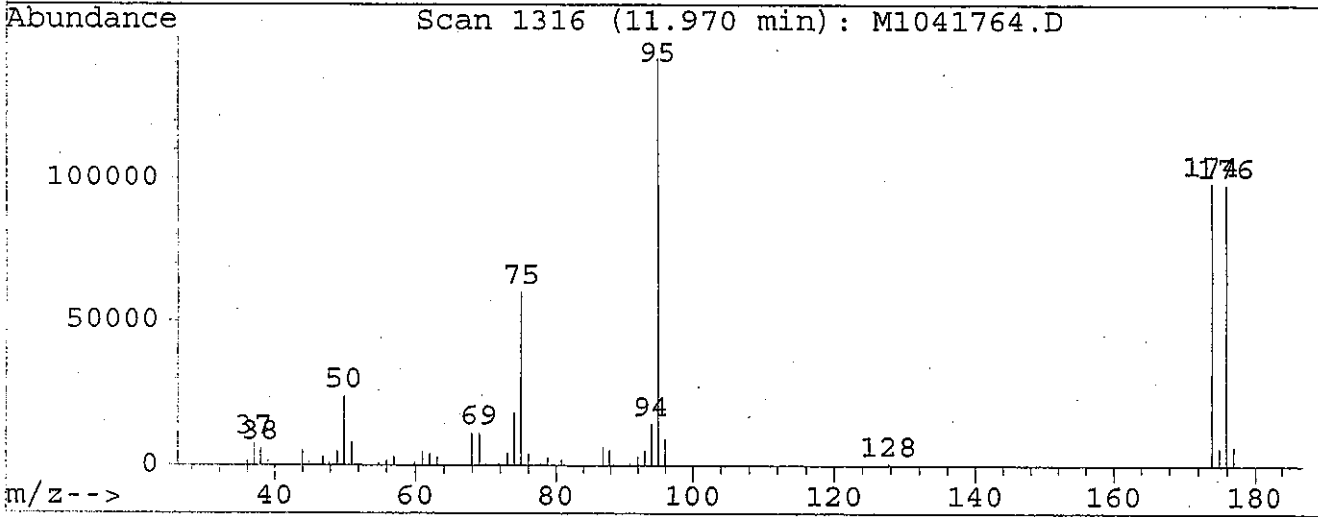
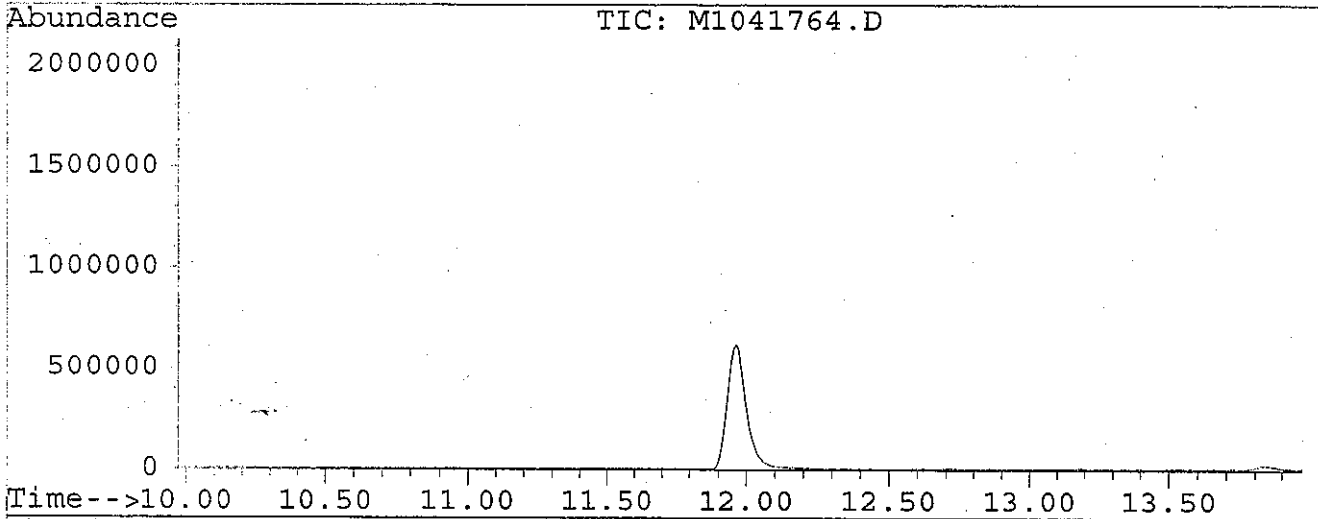
Lab Sample ID: BPH0148-TUN1

| m/z | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE | |
|-----|------------------------------------|----------------------|------|
| 50 | 15 - 40% of 95 | 17 | PASS |
| 75 | 30 - 60% of 95 | 42.4 | PASS |
| 95 | Base peak, 100% relative abundance | 100 | PASS |
| 96 | 5 - 9% of 95 | 6.55 | PASS |
| 173 | Less than 2% of 174 | 0 | PASS |
| 174 | 50 - 100% of 95 | 69.7 | PASS |
| 175 | 5 - 9% of 174 | 6.32 | PASS |
| 176 | 95 - 101% of 174 | 99.2 | PASS |
| 177 | 5 - 9% of 176 | 6.74 | PASS |

BFB

Data File : Q:\VOA\MS1_MA\MA0806\MA081406\M1041764.D Vial: 31
Acq On : 14 Aug 106 8:25 pm Operator: RES
Sample : BPH0148-TUN1 Inst : VOA MASS
Misc : Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\HI080806.M
Title : Element ID: 0607032



Peak Apex is scan: 1316

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|-------------|--------------|--------------|--------------|-----------|---------|------------------|
| 50 | 95 | 15 | 40 | 17.0 | 24096 | PASS |
| 75 | 95 | 30 | 60 | 42.4 | 60168 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 141824 | PASS |
| 96 | 95 | 5 | 9 | 6.5 | 9283 | PASS |
| 173 | 174 | 0 | 2 | 0.0 | 0 | PASS |
| 174 | 95 | 50 | 100 | 69.7 | 98904 | PASS |
| 175 | 174 | 5 | 9 | 6.3 | 6250 | PASS |
| 176 | 174 | 95 | 101 | 99.2 | 98104 | PASS |
| 177 | 176 | 5 | 9 | 6.7 | 6610 | PASS |

Instrument Name VOA MASS
 Tuning Std BFB
 Initial Cal ID: HI080806

Date Acquired 08/14/10 -1::5
 Data File Name BPH0147-CCV1
 Data File Name M1041765.D

| <u>COMPOUND</u> | <u>RRF 20%</u> <u>%</u> <u>DEVIATION</u> |
|---------------------|--|
| Vinyl Chloride | -8.6% |
| 1,1-Dichloroethene | -7.3% |
| Chloroform | -5.2% |
| 1,2-Dichloropropane | -8.0% |
| Toluene | -7.2% |
| Ethylbenzene | 2.6% |

| | <u>SPCC</u> <u>CCRRF</u> | <u>MIN</u> <u>RRF</u> |
|---------------------------|-----------------------------|--------------------------|
| Chloromethane | 0.316 | 0.1 |
| 1,1-Dichloroethane | 0.570 | 0.1 |
| Chlorobenzene | 0.823 | 0.3 |
| Bromoform | 0.251 | 0.1 |
| 1,1,2,2-Tetrachloroethane | 0.765 | 0.3 |

Analytical non-conformance report:

Analyst: ms/15/10

Reviewed by: _____

CONTINUING CALIBRATION CHECK

8260B

| | |
|--|---|
| Laboratory: <u>ESS Laboratory</u> | SDG: <u>0608248</u> |
| Client: <u>MACTEC Engineering & Consulting, Inc.</u> | Project: <u>Providence Gorham Site</u> |
| Instrument ID: <u>VMS1</u> | Calibration: <u>0608018</u> |
| Lab File ID: <u>M1041765.D</u> | Calibration Date: <u>08/08/06 09:45</u> |
| Sequence: <u>BPH0148</u> | Injection Date: <u>08/14/06</u> |
| Lab Sample ID: <u>BPH0148-CCV1</u> | Injection Time: <u>20:52</u> |

| COMPOUND | TYPE | CONC. (ug/L) | | RESPONSE FACTOR | | | % DIFF / DRIFT | |
|-----------------------------|------|--------------|------|-----------------|-----------|---------|----------------|-----------|
| | | STD | CCV | ICAL | CCV | MIN (#) | CCV | LIMIT (#) |
| 1,1,1,2-Tetrachloroethane | A | 25.0 | 25.1 | 0.344218 | 0.345526 | | 0.380 | 30 |
| 1,1,1,2-Tetrachloroethane | A | 25.0 | 25.1 | 0.344218 | 0.345526 | | 0.380 | 30 |
| 1,1,1-Trichloroethane | A | 25.0 | 27.1 | 0.422617 | 0.457528 | | 8.26 | 30 |
| 1,1,1-Trichloroethane | A | 25.0 | 27.1 | 0.422617 | 0.457528 | | 8.26 | 30 |
| 1,1,2,2-Tetrachloroethane | A | 25.0 | 23.5 | 0.814039 | 0.764732 | 0.3 | -6.06 | 30 |
| 1,1,2,2-Tetrachloroethane | A | 25.0 | 23.5 | 0.814039 | 0.764732 | 0.3 | -6.06 | 30 |
| 1,1,2-Trichloroethane | A | 25.0 | 27.0 | 0.255404 | 0.250939 | | -1.75 | 30 |
| 1,1,2-Trichloroethane | A | 25.0 | 27.0 | 0.255404 | 0.250939 | | -1.75 | 30 |
| 1,1-Dichloroethane | A | 25.0 | 27.1 | 0.525974 | 0.569715 | 0.1 | 8.32 | 30 |
| 1,1-Dichloroethane | A | 25.0 | 27.1 | 0.525974 | 0.569715 | 0.1 | 8.32 | 30 |
| 1,1-Dichloroethene | A | 25.0 | 26.8 | 0.263466 | 0.282582 | | 7.26 | 20 |
| 1,1-Dichloroethene | A | 25.0 | 26.8 | 0.263466 | 0.282582 | | 7.26 | 20 |
| 1,1-Dichloropropene | A | 25.0 | 26.8 | 0.366487 | 0.392193 | | 7.01 | 30 |
| 1,1-Dichloropropene | A | 25.0 | 26.8 | 0.366487 | 0.392193 | | 7.01 | 30 |
| 1,2,3-Trichlorobenzene | L | 25.0 | 19.3 | 0.410148 | 0.264441 | | -22.8 | 30 |
| 1,2,3-Trichlorobenzene | L | 25.0 | 19.3 | 0.410148 | 0.264441 | | -22.8 | 30 |
| 1,2,3-Trichloropropane | A | 25.0 | 23.5 | 0.70029 | 0.658629 | | -5.95 | 30 |
| 1,2,3-Trichloropropane | A | 25.0 | 23.5 | 0.70029 | 0.658629 | | -5.95 | 30 |
| 1,2,4-Trichlorobenzene | L | 25.0 | 21.2 | 0.57761 | 0.431041 | | -15.2 | 30 |
| 1,2,4-Trichlorobenzene | L | 25.0 | 21.2 | 0.57761 | 0.431041 | | -15.2 | 30 |
| 1,2,4-Trimethylbenzene | A | 25.0 | 23.1 | 2.12128 | 1.95966 | | -7.62 | 30 |
| 1,2,4-Trimethylbenzene | A | 25.0 | 23.1 | 2.12128 | 1.95966 | | -7.62 | 30 |
| 1,2-Dibromo-3-Chloropropane | A | 25.0 | 22.7 | 0.0912384 | 0.0867742 | | -4.89 | 30 |
| 1,2-Dibromo-3-Chloropropane | A | 25.0 | 22.7 | 0.0912384 | 0.0867742 | | -4.89 | 30 |
| 1,2-Dibromoethane | A | 25.0 | 25.4 | 0.375107 | 0.380764 | | 1.51 | 30 |
| 1,2-Dibromoethane | A | 25.0 | 25.4 | 0.375107 | 0.380764 | | 1.51 | 30 |
| 1,2-Dichlorobenzene | A | 25.0 | 23.6 | 1.04797 | 0.990289 | | -5.50 | 30 |
| 1,2-Dichlorobenzene | A | 25.0 | 23.6 | 1.04797 | 0.990289 | | -5.50 | 30 |
| 1,2-Dichloroethane | A | 25.0 | 27.0 | 0.274364 | 0.295833 | | 7.83 | 30 |

CONTINUING CALIBRATION CHECK

8260B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Instrument ID: VMS1

Calibration: 0608018

Lab File ID: M1041765.D

Calibration Date: 08/08/06 09:45

Sequence: BPH0148

Injection Date: 08/14/06

Lab Sample ID: BPH0148-CCV1

Injection Time: 20:52

| COMPOUND | TYPE | CONC. (ug/L) | | RESPONSE FACTOR | | | % DIFF / DRIFT | |
|------------------------|------|--------------|------|-----------------|-------------|---------|----------------|-----------|
| | | STD | CCV | ICAL | CCV | MIN (#) | CCV | LIMIT (#) |
| 1,2-Dichloroethane | A | 25.0 | 27.0 | 0.274364 | 0.295833 | | 7.83 | 30 |
| 1,2-Dichloropropane | A | 25.0 | 27.0 | 0.358438 | 0.387214 | | 8.03 | 20 |
| 1,2-Dichloropropane | A | 25.0 | 27.0 | 0.358438 | 0.387214 | | 8.03 | 20 |
| 1,3,5-Trimethylbenzene | A | 25.0 | 23.2 | 2.07186 | 1.92481 | | -7.10 | 30 |
| 1,3,5-Trimethylbenzene | A | 25.0 | 23.2 | 2.07186 | 1.92481 | | -7.10 | 30 |
| 1,3-Dichlorobenzene | A | 25.0 | 23.4 | 1.2084 | 1.12953 | | -6.53 | 30 |
| 1,3-Dichlorobenzene | A | 25.0 | 23.4 | 1.2084 | 1.12953 | | -6.53 | 30 |
| 1,3-Dichloropropane | A | 25.0 | 24.8 | 0.48469 | 0.480551 | | -0.854 | 30 |
| 1,3-Dichloropropane | A | 25.0 | 24.8 | 0.48469 | 0.480551 | | -0.854 | 30 |
| 1,4-Dichlorobenzene | A | 25.0 | 23.1 | 1.28642 | 1.19035 | | -7.47 | 30 |
| 1,4-Dichlorobenzene | A | 25.0 | 23.1 | 1.28642 | 1.19035 | | -7.47 | 30 |
| 1,4-Dioxane - Screen | L | 500 | 189 | 2.73968E-03 | 1.03736E-03 | | -62.2 | 30 * |
| 1,4-Dioxane - Screen | L | 500 | 189 | 2.73968E-03 | 1.03736E-03 | | -62.2 | 30 * |
| 1-Chlorohexane | A | 25.0 | 22.9 | 0.48058 | 0.44009 | | -8.43 | 30 |
| 1-Chlorohexane | A | 25.0 | 22.9 | 0.48058 | 0.44009 | | -8.43 | 30 |
| 2,2-Dichloropropane | A | 25.0 | 23.3 | 0.411379 | 0.383814 | | -6.70 | 30 |
| 2,2-Dichloropropane | A | 25.0 | 23.3 | 0.411379 | 0.383814 | | -6.70 | 30 |
| 2-Butanone | A | 125 | 133 | 0.0133855 | 0.0142374 | | 6.36 | 30 |
| 2-Butanone | A | 125 | 133 | 0.0133855 | 0.0142374 | | 6.36 | 30 |
| 2-Chlorotoluene | A | 25.0 | 22.7 | 2.16335 | 1.96325 | | -9.25 | 30 |
| 2-Chlorotoluene | A | 25.0 | 22.7 | 2.16335 | 1.96325 | | -9.25 | 30 |
| 2-Hexanone | A | 125 | 123 | 0.158642 | 0.156554 | | -1.32 | 30 |
| 2-Hexanone | A | 125 | 123 | 0.158642 | 0.156554 | | -1.32 | 30 |
| 4-Chlorotoluene | A | 25.0 | 23.2 | 2.33746 | 2.16764 | | -7.27 | 30 |
| 4-Chlorotoluene | A | 25.0 | 23.2 | 2.33746 | 2.16764 | | -7.27 | 30 |
| 4-Isopropyltoluene | A | 25.0 | 22.5 | 1.94374 | 1.74922 | | -10.0 | 30 |
| 4-Isopropyltoluene | A | 25.0 | 22.5 | 1.94374 | 1.74922 | | -10.0 | 30 |
| 4-Methyl-2-Pentanone | A | 125 | 137 | 0.0838929 | 0.0921833 | | 9.88 | 30 |
| 4-Methyl-2-Pentanone | A | 125 | 137 | 0.0838929 | 0.0921833 | | 9.88 | 30 |

CONTINUING CALIBRATION CHECK

8260B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Instrument ID: VMS1

Calibration: 0608018

Lab File ID: M1041765.D

Calibration Date: 08/08/06 09:45

Sequence: BPH0148

Injection Date: 08/14/06

Lab Sample ID: BPH0148-CCV1

Injection Time: 20:52

| COMPOUND | TYPE | CONC. (ug/L) | | RESPONSE FACTOR | | | % DIFF / DRIFT | |
|-------------------------|------|--------------|------|-----------------|-----------|---------|----------------|-----------|
| | | STD | CCV | ICAL | CCV | MIN (#) | CCV | LIMIT (#) |
| Acetone | A | 125 | 133 | 9.72485E-03 | 0.0103766 | | 6.70 | 30 |
| Acetone | A | 125 | 133 | 9.72485E-03 | 0.0103766 | | 6.70 | 30 |
| Benzene | A | 25.0 | 26.3 | 0.922836 | 0.971485 | | 5.27 | 30 |
| Benzene | A | 25.0 | 26.3 | 0.922836 | 0.971485 | | 5.27 | 30 |
| Bromobenzene | A | 25.0 | 23.9 | 0.751051 | 0.716758 | | -4.57 | 30 |
| Bromobenzene | A | 25.0 | 23.9 | 0.751051 | 0.716758 | | -4.57 | 30 |
| Bromochloromethane | A | 25.0 | 26.4 | 0.154251 | 0.162952 | | 5.64 | 30 |
| Bromochloromethane | A | 25.0 | 26.4 | 0.154251 | 0.162952 | | 5.64 | 30 |
| Bromodichloromethane | A | 25.0 | 27.5 | 0.506635 | 0.556926 | | 9.93 | 30 |
| Bromodichloromethane | A | 25.0 | 27.5 | 0.506635 | 0.556926 | | 9.93 | 30 |
| Bromoform | L | 25.0 | 23.2 | 0.227683 | 0.25103 | 0.1 | -7.20 | 30 |
| Bromoform | L | 25.0 | 23.2 | 0.227683 | 0.25103 | 0.1 | -7.20 | 30 |
| Bromomethane | A | 25.0 | 24.6 | 0.228934 | 0.225108 | | -1.67 | 30 |
| Bromomethane | A | 25.0 | 24.6 | 0.228934 | 0.225108 | | -1.67 | 30 |
| Carbon Disulfide | A | 25.0 | 27.0 | 0.723271 | 0.781319 | | 8.03 | 30 |
| Carbon Disulfide | A | 25.0 | 27.0 | 0.723271 | 0.781319 | | 8.03 | 30 |
| Carbon Tetrachloride | A | 25.0 | 26.4 | 0.35994 | 0.380477 | | 5.71 | 30 |
| Carbon Tetrachloride | A | 25.0 | 26.4 | 0.35994 | 0.380477 | | 5.71 | 30 |
| Chlorobenzene | A | 25.0 | 24.4 | 0.843594 | 0.823169 | 0.3 | -2.42 | 30 |
| Chlorobenzene | A | 25.0 | 24.4 | 0.843594 | 0.823169 | 0.3 | -2.42 | 30 |
| Chloroethane | A | 25.0 | 27.4 | 0.102771 | 0.112556 | | 9.52 | 30 |
| Chloroethane | A | 25.0 | 27.4 | 0.102771 | 0.112556 | | 9.52 | 30 |
| Chloroform | A | 25.0 | 26.3 | 0.519734 | 0.546857 | | 5.22 | 20 |
| Chloroform | A | 25.0 | 26.3 | 0.519734 | 0.546857 | | 5.22 | 20 |
| Chloromethane | A | 25.0 | 25.7 | 0.307469 | 0.31558 | 0.1 | 2.64 | 30 |
| Chloromethane | A | 25.0 | 25.7 | 0.307469 | 0.31558 | 0.1 | 2.64 | 30 |
| cis-1,2-Dichloroethene | A | 25.0 | 26.9 | 0.2904 | 0.312267 | | 7.53 | 30 |
| cis-1,2-Dichloroethene | A | 25.0 | 26.9 | 0.2904 | 0.312267 | | 7.53 | 30 |
| cis-1,3-Dichloropropene | A | 25.0 | 27.8 | 0.468593 | 0.520613 | | 11.1 | 30 |

CONTINUING CALIBRATION CHECK

8260B

| | |
|--|---|
| Laboratory: <u>ESS Laboratory</u> | SDG: <u>0608248</u> |
| Client: <u>MACTEC Engineering & Consulting, Inc.</u> | Project: <u>Providence Gorham Site</u> |
| Instrument ID: <u>VMS1</u> | Calibration: <u>0608018</u> |
| Lab File ID: <u>M1041765.D</u> | Calibration Date: <u>08/08/06 09:45</u> |
| Sequence: <u>BPH0148</u> | Injection Date: <u>08/14/06</u> |
| Lab Sample ID: <u>BPH0148-CCV1</u> | Injection Time: <u>20:52</u> |

| COMPOUND | TYPE | CONC. (ug/L) | | RESPONSE FACTOR | | | % DIFF / DRIFT | |
|----------------------------|------|--------------|------|-----------------|----------|---------|----------------|-----------|
| | | STD | CCV | ICAL | CCV | MIN (#) | CCV | LIMIT (#) |
| cis-1,3-Dichloropropene | A | 25.0 | 27.8 | 0.468593 | 0.520613 | | 11.1 | 30 |
| Dibromochloromethane | A | 25.0 | 25.5 | 0.390763 | 0.398734 | | 2.04 | 30 |
| Dibromochloromethane | A | 25.0 | 25.5 | 0.390763 | 0.398734 | | 2.04 | 30 |
| Dibromomethane | A | 25.0 | 27.4 | 0.226829 | 0.248333 | | 9.48 | 30 |
| Dibromomethane | A | 25.0 | 27.4 | 0.226829 | 0.248333 | | 9.48 | 30 |
| Dichlorodifluoromethane | A | 25.0 | 26.4 | 0.457967 | 0.483528 | | 5.58 | 30 |
| Dichlorodifluoromethane | A | 25.0 | 26.4 | 0.457967 | 0.483528 | | 5.58 | 30 |
| Diethyl Ether | A | 25.0 | 27.4 | 0.182363 | 0.199686 | | 9.50 | 30 |
| Diethyl Ether | A | 25.0 | 27.4 | 0.182363 | 0.199686 | | 9.50 | 30 |
| Di-isopropyl ether | A | 25.0 | 26.8 | 1.20159 | 1.29032 | | 7.38 | 30 |
| Di-isopropyl ether | A | 25.0 | 26.8 | 1.20159 | 1.29032 | | 7.38 | 30 |
| Ethyl tertiary-butyl ether | A | 25.0 | 27.1 | 0.87562 | 0.950475 | | 8.55 | 30 |
| Ethyl tertiary-butyl ether | A | 25.0 | 27.1 | 0.87562 | 0.950475 | | 8.55 | 30 |
| Ethylbenzene | A | 25.0 | 24.3 | 1.31946 | 1.28457 | | -2.64 | 20 |
| Ethylbenzene | A | 25.0 | 24.3 | 1.31946 | 1.28457 | | -2.64 | 20 |
| Hexachlorobutadiene | L | 25.0 | 21.4 | 0.317189 | 0.248154 | | -14.4 | 30 |
| Hexachlorobutadiene | L | 25.0 | 21.4 | 0.317189 | 0.248154 | | -14.4 | 30 |
| Isopropylbenzene | A | 25.0 | 23.8 | 1.2767 | 1.24153 | | -2.75 | 30 |
| Isopropylbenzene | A | 25.0 | 23.8 | 1.2767 | 1.24153 | | -2.75 | 30 |
| Methyl tert-Butyl Ether | A | 25.0 | 26.5 | 0.573096 | 0.60646 | | 5.82 | 30 |
| Methyl tert-Butyl Ether | A | 25.0 | 26.5 | 0.573096 | 0.60646 | | 5.82 | 30 |
| Methylene Chloride | A | 25.0 | 25.0 | 0.291807 | 0.291836 | | 0.00994 | 30 |
| Methylene Chloride | A | 25.0 | 25.0 | 0.291807 | 0.291836 | | 0.00994 | 30 |
| Naphthalene | L | 25.0 | 20.4 | 0.763646 | 0.546281 | | -18.4 | 30 |
| Naphthalene | L | 25.0 | 20.4 | 0.763646 | 0.546281 | | -18.4 | 30 |
| n-Butylbenzene | A | 25.0 | 22.0 | 1.73562 | 1.53084 | | -11.8 | 30 |
| n-Butylbenzene | A | 25.0 | 22.0 | 1.73562 | 1.53084 | | -11.8 | 30 |
| n-Propylbenzene | A | 25.0 | 23.2 | 3.09758 | 2.87825 | | -7.08 | 30 |
| n-Propylbenzene | A | 25.0 | 23.2 | 3.09758 | 2.87825 | | -7.08 | 30 |

CONTINUING CALIBRATION CHECK

8260B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Instrument ID: VMS1

Calibration: 0608018

Lab File ID: M1041765.D

Calibration Date: 08/08/06 09:45

Sequence: BPH0148

Injection Date: 08/14/06

Lab Sample ID: BPH0148-CCV1

Injection Time: 20:52

| COMPOUND | TYPE | CONC. (ug/L) | | RESPONSE FACTOR | | | % DIFF / DRIFT | |
|----------------------------|------|--------------|------|-----------------|-----------|---------|----------------|-----------|
| | | STD | CCV | ICAL | CCV | MIN (#) | CCV | LIMIT (#) |
| sec-Butylbenzene | A | 25.0 | 22.8 | 2.61228 | 2.38137 | | -8.84 | 30 |
| sec-Butylbenzene | A | 25.0 | 22.8 | 2.61228 | 2.38137 | | -8.84 | 30 |
| Styrene | A | 25.0 | 25.1 | 0.870541 | 0.87261 | | 0.238 | 30 |
| Styrene | A | 25.0 | 25.1 | 0.870541 | 0.87261 | | 0.238 | 30 |
| tert-Butylbenzene | A | 25.0 | 23.3 | 2.41731 | 2.2548 | | -6.72 | 30 |
| tert-Butylbenzene | A | 25.0 | 23.3 | 2.41731 | 2.2548 | | -6.72 | 30 |
| Tertiary-amyl methyl ether | A | 25.0 | 26.0 | 0.791803 | 0.823909 | | 4.05 | 30 |
| Tertiary-amyl methyl ether | A | 25.0 | 26.0 | 0.791803 | 0.823909 | | 4.05 | 30 |
| Tetrachloroethene | A | 25.0 | 24.4 | 0.345818 | 0.337514 | | -2.40 | 30 |
| Tetrachloroethene | A | 25.0 | 24.4 | 0.345818 | 0.337514 | | -2.40 | 30 |
| Tetrahydrofuran | A | 25.0 | 25.4 | 0.0429372 | 0.0436716 | | 1.71 | 30 |
| Tetrahydrofuran | A | 25.0 | 25.4 | 0.0429372 | 0.0436716 | | 1.71 | 30 |
| Toluene | A | 25.0 | 26.8 | 0.734454 | 0.715865 | | -2.53 | 20 |
| Toluene | A | 25.0 | 26.8 | 0.734454 | 0.715865 | | -2.53 | 20 |
| trans-1,2-Dichloroethene | A | 25.0 | 27.0 | 0.30375 | 0.32777 | | 7.91 | 30 |
| trans-1,2-Dichloroethene | A | 25.0 | 27.0 | 0.30375 | 0.32777 | | 7.91 | 30 |
| trans-1,3-Dichloropropene | A | 25.0 | 27.0 | 0.421575 | 0.414222 | | -1.74 | 30 |
| trans-1,3-Dichloropropene | A | 25.0 | 27.0 | 0.421575 | 0.414222 | | -1.74 | 30 |
| Trichloroethene | A | 25.0 | 26.2 | 0.38192 | 0.39976 | | 4.67 | 30 |
| Trichloroethene | A | 25.0 | 26.2 | 0.38192 | 0.39976 | | 4.67 | 30 |
| Trichlorofluoromethane | A | 25.0 | 25.5 | 0.511848 | 0.522605 | | 2.10 | 30 |
| Trichlorofluoromethane | A | 25.0 | 25.5 | 0.511848 | 0.522605 | | 2.10 | 30 |
| Vinyl Acetate | A | 25.0 | 25.8 | 1.00148 | 1.03265 | | 3.11 | 30 |
| Vinyl Acetate | A | 25.0 | 25.8 | 1.00148 | 1.03265 | | 3.11 | 30 |
| Vinyl Chloride | A | 25.0 | 27.2 | 0.291738 | 0.316973 | | 8.65 | 20 |
| Vinyl Chloride | A | 25.0 | 27.2 | 0.291738 | 0.316973 | | 8.65 | 20 |
| Xylene O | A | 25.0 | 24.4 | 0.505008 | 0.492992 | | -2.38 | 30 |
| Xylene O | A | 25.0 | 24.4 | 0.505008 | 0.492992 | | -2.38 | 30 |
| Xylene P,M | A | 50.0 | 48.8 | 0.51878 | 0.506599 | | -2.35 | 30 |

CONTINUING CALIBRATION CHECK

8260B

| | |
|--|---|
| Laboratory: <u>ESS Laboratory</u> | SDG: <u>0608248</u> |
| Client: <u>MACTEC Engineering & Consulting, Inc.</u> | Project: <u>Providence Gorham Site</u> |
| Instrument ID: <u>VMS1</u> | Calibration: <u>0608018</u> |
| Lab File ID: <u>M1041765.D</u> | Calibration Date: <u>08/08/06 09:45</u> |
| Sequence: <u>BPH0148</u> | Injection Date: <u>08/14/06</u> |
| Lab Sample ID: <u>BPH0148-CCV1</u> | Injection Time: <u>20:52</u> |

| COMPOUND | TYPE | CONC. (ug/L) | | RESPONSE FACTOR | | | % DIFF / DRIFT | |
|------------|------|--------------|------|-----------------|----------|---------|----------------|-----------|
| | | STD | CCV | ICAL | CCV | MIN (#) | CCV | LIMIT (#) |
| Xylene P,M | A | 50.0 | 48.8 | 0.51878 | 0.506599 | | -2.35 | 30 |

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Evaluate Continuing Calibration Report

Data File : Q:\VOA\MS1_MA\MA0806\MA081406\M1041765.D Vial: 32
 Acq On : 14 Aug 106 8:52 pm Operator: RES
 Sample : BPH0148-CCV1 Inst : VOA MASS
 Misc : Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\HI080806.M
 Title : Element ID: 0607032
 Last Update : Mon Aug 14 08:54:06 2006
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------|------------------------------|-------|-------|-------|-------|----------|
| 1 I | Fluorobenzene | 1.000 | 1.000 | 0.0 | 89 | 0.00 |
| 2 | Dichlorodifluoromethane | 0.458 | 0.484 | -5.6 | 88 | 0.00 |
| 3 | Chloromethane | 0.307 | 0.316 | -2.6 | 92 | 0.00 |
| 4 | Vinyl Chloride | 0.292 | 0.317 | -8.6 | 92 | 0.00 |
| 5 | Bromomethane | 0.229 | 0.225 | 1.7 | 90 | 0.00 |
| 6 | Chloroethane | 0.103 | 0.113 | -9.5 | 92 | 0.00 |
| 7 | Trichlorofluoromethane | 0.512 | 0.523 | -2.1 | 88 | 0.00 |
| 8 | Diethyl ether | 0.182 | 0.200 | -9.5 | 95 | 0.00 |
| 9 | Acrolein | 0.023 | 0.021 | 8.3 | 83 | 0.00 |
| 10 | 1,1,2-Trichloro-1,2,2-trifl | 0.512 | 0.545 | -6.4 | 92 | 0.00 |
| 11 | Acetone | 0.010 | 0.010 | -6.7 | 97 | 0.01 |
| 12 | Iodomethane | 0.537 | 0.552 | -2.8 | 89 | 0.00 |
| 13 | Carbon Disulfide | 0.723 | 0.781 | -8.0 | 92 | 0.00 |
| 14 M | 1,1-Dichloroethene | 0.263 | 0.283 | -7.3 | 92 | 0.00 |
| 15 | Allyl Chloride | 0.501 | 0.512 | -2.2 | 92 | 0.00 |
| 16 | Methyl Acetate | 0.147 | 0.159 | -8.3 | 101 | 0.00 |
| 17 | Methylene Chloride | 0.292 | 0.292 | -0.0 | 93 | 0.00 |
| 18 | Methyl tert-Butyl Ether | 0.573 | 0.606 | -5.8 | 94 | 0.00 |
| 19 | Acrylonitrile | 0.042 | 0.047 | -11.4 | 94 | 0.00 |
| 20 | trans-1,2-Dichloroethene | 0.304 | 0.328 | -7.9 | 93 | 0.00 |
| 21 | 1,1-Dichloroethane | 0.526 | 0.570 | -8.3 | 93 | 0.00 |
| 22 | Vinyl Acetate | 1.001 | 1.033 | -3.1 | 92 | 0.00 |
| 23 | Chloroprene | 0.355 | 0.390 | -9.8 | 94 | 0.00 |
| 24 | Di-isopropyl ether | 1.202 | 1.290 | -7.4 | 95 | 0.00 |
| 25 | Ethyl tertiary-butyl ether | 0.876 | 0.950 | -8.5 | 94 | 0.00 |
| 26 | 2-Butanone | 0.013 | 0.014 | -6.4 | 95 | 0.00 |
| 27 | cis-1,2 Dichloroethene | 0.290 | 0.312 | -7.5 | 93 | 0.00 |
| 28 | 2,2-Dichloropropane | 0.411 | 0.384 | 6.7 | 82 | 0.00 |
| 29 | Methyl Acrylate | 0.166 | 0.173 | -4.0 | 94 | 0.00 |
| 30 | Bromochloromethane | 0.154 | 0.163 | -5.6 | 93 | 0.00 |
| 31 | Methacrylonitrile | 0.099 | 0.108 | -9.0 | 96 | 0.00 |
| 32 | Tetrahydrofuran | 0.043 | 0.044 | -1.7 | 94 | 0.00 |
| 33 | Chloroform | 0.520 | 0.547 | -5.2 | 93 | 0.00 |
| 34 S | Dibromofluoromethane (SURR) | 0.464 | 0.491 | -6.0 | 93 | 0.00 |
| 35 | 1,1,1-Trichloroethane | 0.423 | 0.458 | -8.3 | 93 | 0.00 |
| 36 | Cyclohexane | 0.308 | 0.324 | -5.1 | 91 | 0.00 |
| 37 | 1-Chlorobutane | 0.534 | 0.597 | -11.9 | 94 | 0.00 |
| 38 | 1,1-Dichloropropene | 0.366 | 0.392 | -7.0 | 93 | 0.00 |
| 39 | Carbon Tetrachloride | 0.360 | 0.380 | -5.7 | 91 | 0.00 |
| 40 M | Benzene | 0.923 | 0.971 | -5.3 | 91 | 0.00 |
| 41 S | 1,2-Dichloroethane-d4 (SURR) | 0.233 | 0.238 | -2.1 | 88 | 0.00 |
| 42 | 1,2-Dichloroethane | 0.274 | 0.296 | -7.8 | 93 | 0.00 |

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : Q:\VOA\MS1_MA\MA0806\MA081406\M1041765.D Vial: 32
 Acq On : 14 Aug 106 8:52 pm Operator: RES
 Sample : BPH0148-CCV1 Inst : VOA MASS
 Misc : Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\HI080806.M
 Title : Element ID: 0607032
 Last Update : Mon Aug 14 08:54:06 2006
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------|-----------------------------|-------|-------|----------|-------|----------|
| 43 | Tertiary-amyl methyl ether | 0.792 | 0.824 | -4.1 | 93 | 0.00 |
| 44 M | Trichloroethene | 0.382 | 0.400 | -4.7 | 93 | 0.00 |
| 45 | Methyl Cyclohexane | 0.345 | 0.362 | -5.1 | 91 | 0.00 |
| 46 | 1,2-Dichloropropane | 0.358 | 0.387 | -8.0 | 94 | 0.00 |
| 47 | Dibromomethane | 0.227 | 0.248 | -9.5 | 94 | 0.00 |
| 48 | Methyl Methacrylate | 0.224 | 0.236 | -5.3 | 94 | 0.00 |
| 49 | 1,4-Dioxane | 0.003 | 0.001 | 62.1# | 104 | 0.02 |
| 50 | Bromodichloromethane | 0.507 | 0.557 | -9.9 | 92 | 0.00 |
| 51 | 2-Nitropropane | 0.040 | 0.477 | -1080.6# | 1043# | 0.06 |
| 52 | 2-Chloroethyl vinyl ether | 0.103 | 0.108 | -4.8 | 89 | 0.00 |
| 53 | 4-Methyl-2-Pentanone | 0.084 | 0.092 | -9.9 | 96 | 0.00 |
| 54 | cis-1,3-Dichloropropene | 0.469 | 0.521 | -11.1 | 92 | 0.00 |
| 55 | Toluene | 0.622 | 0.667 | -7.2 | 93 | 0.00 |
| 56 | trans-1,3-Dichloropropene | 0.357 | 0.386 | -8.1 | 90 | 0.00 |
| 57 | 1,1,2-Trichloroethane | 0.216 | 0.234 | -8.1 | 93 | 0.00 |
| 58 I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 99 | 0.00 |
| 59 S | Toluene-d8 (SURR) | 1.127 | 1.094 | 2.9 | 93 | 0.00 |
| 60 | 2-Hexanone | 0.159 | 0.157 | 1.3 | 97 | 0.00 |
| 61 | Ethyl Methacrylate | 0.418 | 0.416 | 0.3 | 94 | 0.00 |
| 62 | 1,3-Dichloropropane | 0.485 | 0.481 | 0.9 | 94 | 0.00 |
| 63 | Tetrachloroethene | 0.346 | 0.338 | 2.4 | 93 | 0.00 |
| 64 | Dibromochloromethane | 0.391 | 0.399 | -2.0 | 92 | 0.00 |
| 65 | 1,2-Dibromoethane | 0.375 | 0.381 | -1.5 | 94 | 0.00 |
| 66 | 1-Chlorohexane | 0.481 | 0.440 | 8.4 | 91 | 0.01 |
| 67 M | Chlorobenzene | 0.844 | 0.823 | 2.4 | 93 | 0.00 |
| 68 | 1,1,1,2-Tetrachloroethane | 0.344 | 0.346 | -0.4 | 92 | 0.01 |
| 69 | Ethylbenzene | 1.319 | 1.285 | 2.6 | 94 | 0.00 |
| 70 | Xylene P,M | 0.519 | 0.507 | 2.3 | 93 | 0.00 |
| 71 | Xylene O | 0.505 | 0.493 | 2.4 | 93 | 0.00 |
| 72 | Styrene | 0.871 | 0.873 | -0.2 | 94 | 0.01 |
| 73 | Bromoform | 0.228 | 0.251 | -10.3 | 91 | 0.00 |
| 74 | cis1,4-Dichloro-2-butene | 0.061 | 0.060 | 1.9 | 94 | 0.00 |
| 75 S | Bromofluorobenzene (SURR) | 0.640 | 0.596 | 6.8 | 93 | 0.00 |
| 76 I | 1,4 Dichlorobenzene-D4 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 77 | Isopropylbenzene | 2.721 | 2.587 | 4.9 | 93 | 0.00 |
| 78 | Trans-1,4-Dichloro-2-Butene | 0.156 | 0.143 | 7.9 | 86 | 0.00 |
| 79 | 1,2,3-Trichloropropane | 0.700 | 0.659 | 5.9 | 94 | 0.01 |
| 80 | Bromobenzene | 0.751 | 0.717 | 4.6 | 92 | 0.00 |
| 81 | 1,1,2,2-Tetrachloroethane | 0.814 | 0.765 | 6.1 | 93 | 0.00 |
| 82 | n-Propylbenzene | 3.098 | 2.878 | 7.1 | 92 | 0.00 |

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : Q:\VOA\MS1_MA\MA0806\MA081406\M1041765.D Vial: 32
 Acq On : 14 Aug 106 8:52 pm Operator: RES
 Sample : BPH0148-CCV1 Inst : VOA MASS
 Misc : Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\HI080806.M
 Title : Element ID: 0607032
 Last Update : Mon Aug 14 08:54:06 2006
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev (min) |
|-----|-----------------------------|-------|-------|-------|-------|-----------|
| 83 | 2-Chlorotoluene | 2.163 | 1.963 | 9.2 | 93 | 0.00 |
| 84 | 4-Chlorotoluene | 2.337 | 2.168 | 7.3 | 92 | 0.00 |
| 85 | 1,3,5-Trimethylbenzene | 2.072 | 1.925 | 7.1 | 92 | 0.01 |
| 86 | tert-Butylbenzene | 2.417 | 2.255 | 6.7 | 92 | 0.00 |
| 87 | Pentachloroethane | 2.417 | 2.255 | 6.7 | 92 | 0.00 |
| 88 | 1,2,4-Trimethylbenzene | 2.121 | 1.960 | 7.6 | 93 | 0.00 |
| 89 | sec-Butylbenzene | 2.612 | 2.381 | 8.8 | 93 | 0.00 |
| 90 | 1,3 Dichlorobenzene | 1.208 | 1.130 | 6.5 | 92 | 0.00 |
| 91 | 4-Isopropyltoluene | 1.944 | 1.749 | 10.0 | 91 | 0.00 |
| 92 | 1,4 Dichlorobenzene | 1.286 | 1.190 | 7.5 | 93 | 0.00 |
| 93 | n-Butylbenzene | 1.736 | 1.531 | 11.8 | 92 | 0.00 |
| 94 | 1,2 Dichlorobenzene | 1.048 | 0.990 | 5.5 | 94 | 0.00 |
| 95 | Hexachloroethane | 0.490 | 0.451 | 7.8 | 88 | 0.00 |
| 96 | 1,2-Dibromo-3-Chloropropane | 0.095 | 0.087 | 9.0 | 97 | 0.02 |
| 97 | 1,2,4-Trichlorobenzene | 0.578 | 0.431 | 25.4 | 90 | 0.00 |
| 98 | Hexachlorobutadiene | 0.373 | 0.248 | 33.5# | 90 | 0.00 |
| 99 | Naphthalene | 0.858 | 0.546 | 36.3# | 90 | 0.00 |
| 100 | 1,2,3-Trichlorobenzene | 0.489 | 0.264 | 45.9# | 88 | 0.00 |

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA081406\M1041765.D Vial: 32
 Acq On : 14 Aug 106 8:52 pm Operator: RES
 Sample : BPH0148-CCV1 Inst : VOA MASS
 Misc : Multiplr: 1.00
 Quant Time: Aug 15 9:00 19106

Method : C:\HPCHEM\1\METHODS\HI080806.M
 Title : Element ID: 0607032
 Last Update : Mon Aug 14 08:54:06 2006
 Response via : Multiple Level Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Fluorobenzene | 6.07 | 96 | 4172114 | 25.00 | ug/l | 0.00 |
| 58) Chlorobenzene-d5 | 10.13 | 117 | 3888376 | 25.00 | ug/l | 0.00 |
| 76) 1,4 Dichlorobenzene-D4 | 13.83 | 152 | 1866153 | 25.00 | ug/l | 0.00 |

| System Monitoring Compounds | | | | | | %Recovery |
|----------------------------------|-------|-----|---------|-------|------|-----------|
| 34) Dibromofluoromethane (SURR) | 5.31 | 111 | 2050304 | 26.49 | ug/l | 105.98% |
| 41) 1,2-Dichloroethane-d4 (SURR) | 5.69 | 65 | 993200 | 25.53 | ug/l | 102.11% |
| 59) Toluene-d8 (SURR) | 8.08 | 98 | 4255632 | 24.28 | ug/l | 97.12% |
| 75) Bromofluorobenzene (SURR) | 11.96 | 95 | 2317549 | 23.30 | ug/l | 93.18% |

| Target Compounds | | | | | | Qvalue |
|--------------------------------|------|-----|---------|--------|------|--------|
| 2) Dichlorodifluoromethane | 1.54 | 85 | 2017334 | 26.40 | ug/l | 97 |
| 3) Chloromethane | 1.73 | 50 | 1316636 | 25.66 | ug/l | 98 |
| 4) Vinyl Chloride | 1.83 | 62 | 1322448 | 27.16 | ug/l | 100 |
| 5) Bromomethane | 2.14 | 94 | 939176 | 24.58 | ug/l | 95 |
| 6) Chloroethane | 2.23 | 64 | 469596 | 27.38 | ug/l | 97 |
| 7) Trichlorofluoromethane | 2.45 | 101 | 2180369 | 25.53 | ug/l | 98 |
| 8) Diethyl ether | 2.79 | 59 | 833111 | 27.37 | ug/l | 99 |
| 9) Acrolein | 2.92 | 56 | 86878 | 22.93 | ug/l | 95 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.97 | 101 | 2272014 | 26.60 | ug/l | 99 |
| 11) Acetone | 3.11 | 58 | 216462 | 133.38 | ug/l | 89 |
| 12) Iodomethane | 3.12 | 142 | 2303695 | 25.71 | ug/l | 100 |
| 13) Carbon Disulfide | 3.17 | 76 | 3259753 | 27.01 | ug/l | 99 |
| 14) 1,1-Dichloroethene | 2.97 | 96 | 1178963 | 26.81 | ug/l | 97 |
| 15) Allyl Chloride | 3.33 | 41 | 2135090 | 25.55 | ug/l | 98 |
| 16) Methyl Acetate | 3.40 | 43 | 664094 | 27.06 | ug/l | 95 |
| 17) Methylene Chloride | 3.46 | 84 | 1217572 | 25.00 | ug/l | 99 |
| 18) Methyl tert-Butyl Ether | 3.77 | 73 | 2530221 | 26.46 | ug/l | 100 |
| 19) Acrylonitrile | 3.75 | 53 | 196477 | 27.84 | ug/l | 95 |
| 20) trans-1,2-Dichloroethene | 3.73 | 96 | 1367493 | 26.98 | ug/l | 99 |
| 21) 1,1-Dichloroethane | 4.17 | 63 | 2376916 | 27.08 | ug/l | 99 |
| 22) Vinyl Acetate | 4.25 | 43 | 4308320 | 25.78 | ug/l | 99 |
| 23) Chloroprene | 4.25 | 53 | 1625562 | 27.45 | ug/l | 99 |
| 24) Di-isopropyl ether | 4.26 | 45 | 5383345 | 26.85 | ug/l | 99 |
| 25) Ethyl tertiary-butyl ether | 4.64 | 59 | 3965491 | 27.14 | ug/l | 99 |
| 26) 2-Butanone | 4.85 | 72 | 297000 | 132.95 | ug/l | 94 |
| 27) cis-1,2 Dichloroethene | 4.78 | 96 | 1302812 | 26.88 | ug/l | 100 |
| 28) 2,2-Dichloropropane | 4.76 | 77 | 1601316 | 23.32 | ug/l | 96 |
| 29) Methyl Acrylate | 4.94 | 55 | 721083 | 26.00 | ug/l | 99 |
| 30) Bromochloromethane | 5.04 | 128 | 679856 | 26.41 | ug/l | 98 |
| 31) Methacrylonitrile | 5.06 | 41 | 450949 | 27.25 | ug/l | 96 |
| 32) Tetrahydrofuran | 5.13 | 42 | 182203 | 25.43 | ug/l | 92 |
| 33) Chloroform | 5.13 | 83 | 2281549 | 26.30 | ug/l | 100 |
| 35) 1,1,1-Trichloroethane | 5.32 | 97 | 1908859 | 27.07 | ug/l | 98 |

(#) = qualifier out of range (m) = manual integration
 M1041765.D HI080806.M Tue Aug 15 09:01:25 2006

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA081406\M1041765.D Vial: 32
 Acq On : 14 Aug 106 8:52 pm Operator: RES
 Sample : BPH0148-CCV1 Inst : VOA MASS
 Misc : Multiplr: 1.00
 Quant Time: Aug 15 9:00 19106

Method : C:\HPCHEM\1\METHODS\HI080806.M
 Title : Element ID: 0607032
 Last Update : Mon Aug 14 08:54:06 2006
 Response via : Multiple Level Calibration

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|--------|------|--------|
| 36) Cyclohexane | 5.36 | 56 | 1349680 | 26.27 | ug/l | 96 |
| 37) 1-Chlorobutane | 5.43 | 56 | 2492690 | 27.98 | ug/l | 96 |
| 38) 1,1-Dichloropropene | 5.49 | 75 | 1636273 | 26.75 | ug/l | 100 |
| 39) Carbon Tetrachloride | 5.49 | 117 | 1587394 | 26.43 | ug/l | 98 |
| 40) Benzene | 5.74 | 78 | 4053148 | 26.32 | ug/l | 100 |
| 42) 1,2-Dichloroethane | 5.77 | 62 | 1234249 | 26.96 | ug/l | 98 |
| 43) Tertiary-amyl methyl ether | 5.90 | 73 | 3437443 | 26.01 | ug/l | 98 |
| 44) Trichloroethene | 6.51 | 95 | 1667843 | 26.17 | ug/l | 99 |
| 45) Methyl Cyclohexane | 6.72 | 83 | 1510370 | 26.27 | ug/l | 99 |
| 46) 1,2-Dichloropropane | 6.80 | 63 | 1615503 | 27.01 | ug/l | 100 |
| 47) Dibromomethane | 6.95 | 93 | 1036074 | 27.37 | ug/l | 98 |
| 48) Methyl Methacrylate | 6.98 | 41 | 982698 | 26.33 | ug/l | 90 |
| 49) 1,4-Dioxane | 7.03 | 88 | 86560 | 189.32 | ug/l | 97 |
| 50) Bromodichloromethane | 7.16 | 83 | 2323558 | 27.48 | ug/l | 99 |
| 51) 2-Nitropropane | 7.55 | 43 | 1988492 | 295.15 | ug/l | # 39 |
| 52) 2-Chloroethyl vinyl ether | 7.56 | 63 | 2252938 | 131.00 | ug/l | 99 |
| 53) 4-Methyl-2-Pentanone | 7.99 | 58 | 1922997 | 137.35 | ug/l | 100 |
| 54) cis-1,3-Dichloropropene | 7.74 | 75 | 2172057 | 27.78 | ug/l | 98 |
| 55) Toluene | 8.17 | 92 | 2783551 | 26.80 | ug/l | 98 |
| 56) trans-1,3-Dichloropropene | 8.50 | 75 | 1610651 | 27.02 | ug/l | 99 |
| 57) 1,1,2-Trichloroethane | 8.75 | 83 | 975744 | 27.02 | ug/l | 98 |
| 60) 2-Hexanone | 9.14 | 43 | 3043708 | 123.35 | ug/l | 98 |
| 61) Ethyl Methacrylate | 8.65 | 69 | 1619369 | 24.93 | ug/l | 98 |
| 62) 1,3-Dichloropropane | 8.98 | 76 | 1868562 | 24.79 | ug/l | 100 |
| 63) Tetrachloroethene | 8.92 | 164 | 1312382 | 24.40 | ug/l | 98 |
| 64) Dibromochloromethane | 9.30 | 129 | 1550427 | 25.51 | ug/l | 98 |
| 65) 1,2-Dibromoethane | 9.46 | 107 | 1480554 | 25.38 | ug/l | 99 |
| 66) 1-Chlorohexane | 10.17 | 91 | 1711236 | 22.89 | ug/l | 99 |
| 67) Chlorobenzene | 10.17 | 112 | 3200791 | 24.39 | ug/l | 99 |
| 68) 1,1,1,2-Tetrachloroethane | 10.32 | 131 | 1343534 | 25.09 | ug/l | 96 |
| 69) Ethylbenzene | 10.35 | 91 | 4994885 | 24.34 | ug/l | 100 |
| 70) Xylene P,M | 10.53 | 106 | 3939691 | 48.83 | ug/l | 96 |
| 71) Xylene O | 11.14 | 106 | 1916939 | 24.41 | ug/l | 96 |
| 72) Styrene | 11.17 | 104 | 3393034 | 25.06 | ug/l | 98 |
| 73) Bromoform | 11.44 | 173 | 976099 | 23.20 | ug/l | 99 |
| 74) cis1,4-Dichloro-2-butene | 11.86 | 75 | 231414 | 24.53 | ug/l | 98 |
| 77) Isopropylbenzene | 11.72 | 105 | 4827529 | 23.77 | ug/l | 99 |
| 78) Trans-1,4-Dichloro-2-Buten | 12.33 | 53 | 267489 | 23.01 | ug/l | 90 |
| 79) 1,2,3-Trichloropropane | 12.30 | 75 | 1229103 | 23.51 | ug/l | 96 |
| 80) Bromobenzene | 12.18 | 156 | 1337580 | 23.86 | ug/l | 99 |
| 81) 1,1,2,2-Tetrachloroethane | 12.22 | 83 | 1427107 | 23.49 | ug/l | 97 |
| 82) n-Propylbenzene | 12.38 | 91 | 5371260 | 23.23 | ug/l | 100 |
| 83) 2-Chlorotoluene | 12.50 | 91 | 3663722 | 22.69 | ug/l | m 100 |
| 84) 4-Chlorotoluene | 12.68 | 91 | 4045142 | 23.18 | ug/l | 98 |

(#) = qualifier out of range (m) = manual integration
 M1041765.D HI080806.M Tue Aug 15 09:01:27 2006

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA081406\M1041765.D Vial: 32
 Acq On : 14 Aug 106 8:52 pm Operator: RES
 Sample : BPH0148-CCV1 Inst : VOA MASS
 Misc : Multiplr: 1.00
 Quant Time: Aug 15 9:00 19106

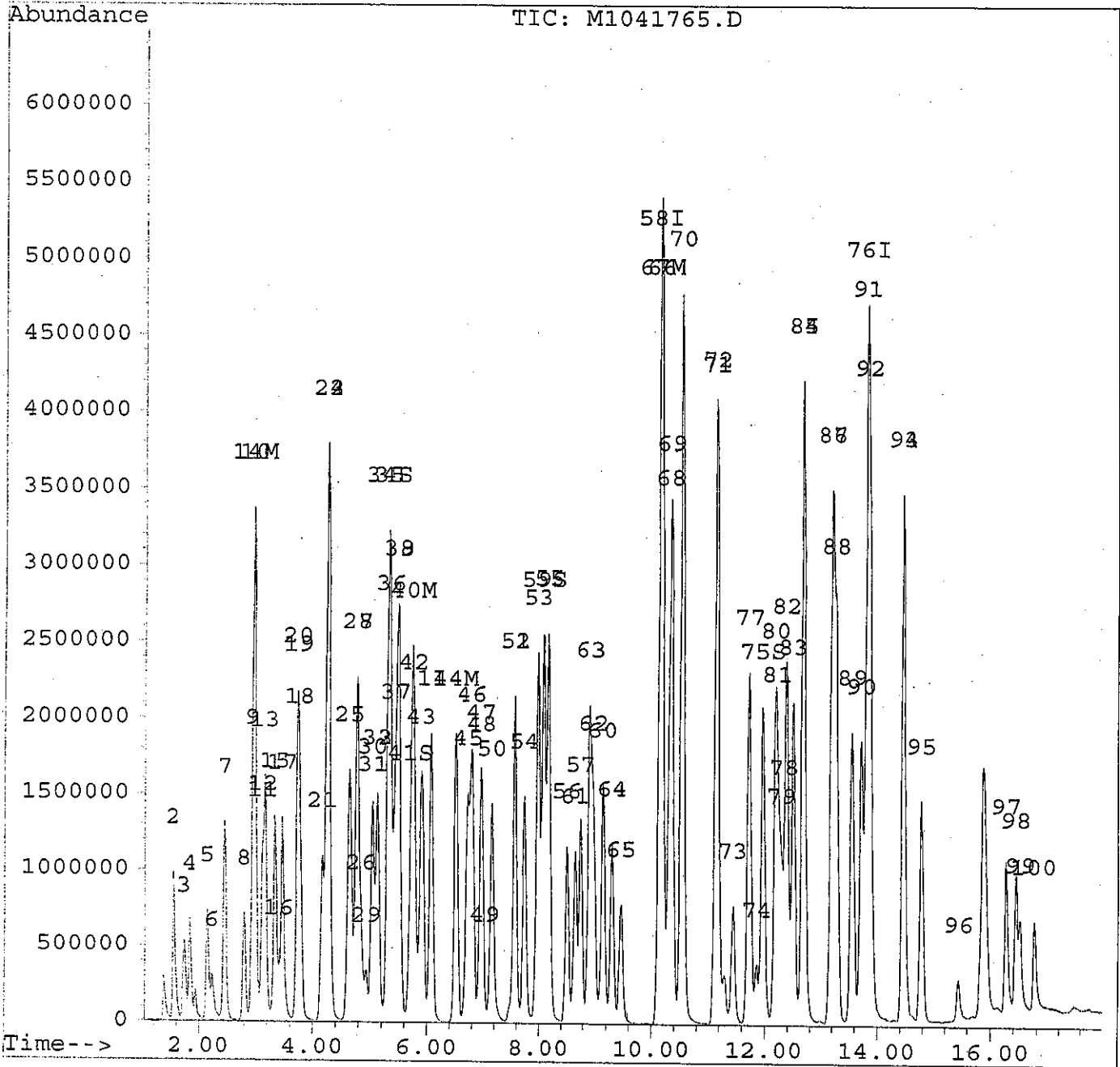
Method : C:\HPCHEM\1\METHODS\HI080806.M
 Title : Element ID: 0607032
 Last Update : Mon Aug 14 08:54:06 2006
 Response via : Multiple Level Calibration

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|-------|------|--------|
| 85) 1,3,5-Trimethylbenzene | 12.68 | 105 | 3591999 | 23.23 | ug/l | 99 |
| 86) tert-Butylbenzene | 13.20 | 119 | 4207804 | 23.32 | ug/l | 100 |
| 87) Pentachloroethane | 13.20 | 119 | 4207804 | 23.32 | ug/l | 97 |
| 88) 1,2,4-Trimethylbenzene | 13.27 | 105 | 3657031 | 23.10 | ug/l | 100 |
| 89) sec-Butylbenzene | 13.56 | 105 | 4443997 | 22.79 | ug/l | 98 |
| 90) 1,3 Dichlorobenzene | 13.71 | 146 | 2107871 | 23.37 | ug/l | 99 |
| 91) 4-Isopropyltoluene | 13.81 | 119 | 3264311 | 22.50 | ug/l | 98 |
| 92) 1,4 Dichlorobenzene | 13.86 | 146 | 2221383 | 23.13 | ug/l | 98 |
| 93) n-Butylbenzene | 14.45 | 91 | 2856775 | 22.05 | ug/l | 99 |
| 94) 1,2 Dichlorobenzene | 14.45 | 146 | 1848030 | 23.62 | ug/l | 99 |
| 95) Hexachloroethane | 14.78 | 117 | 841965 | 23.04 | ug/l | 98 |
| 96) 1,2-Dibromo-3-Chloropropan | 15.45 | 75 | 161934 | 22.74 | ug/l | 95 |
| 97) 1,2,4-Trichlorobenzene | 16.27 | 180 | 804388 | 21.23 | ug/l | 97 |
| 98) Hexachlorobutadiene | 16.44 | 225 | 463093 | 21.42 | ug/l | 96 |
| 99) Naphthalene | 16.51 | 128 | 1019443 | 20.45 | ug/l | 100 |
| 100) 1,2,3-Trichlorobenzene | 16.76 | 180 | 493487 | 19.28 | ug/l | 99 |

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA081406\M1041765.D Vial: 32
Acq On : 14 Aug 106 8:52 pm Operator: RES
Sample : BPH0148-CCV1 Inst : VOA MASS
Misc : Multiplr: 1.00
Quant Time: Aug 15 9:00 19106

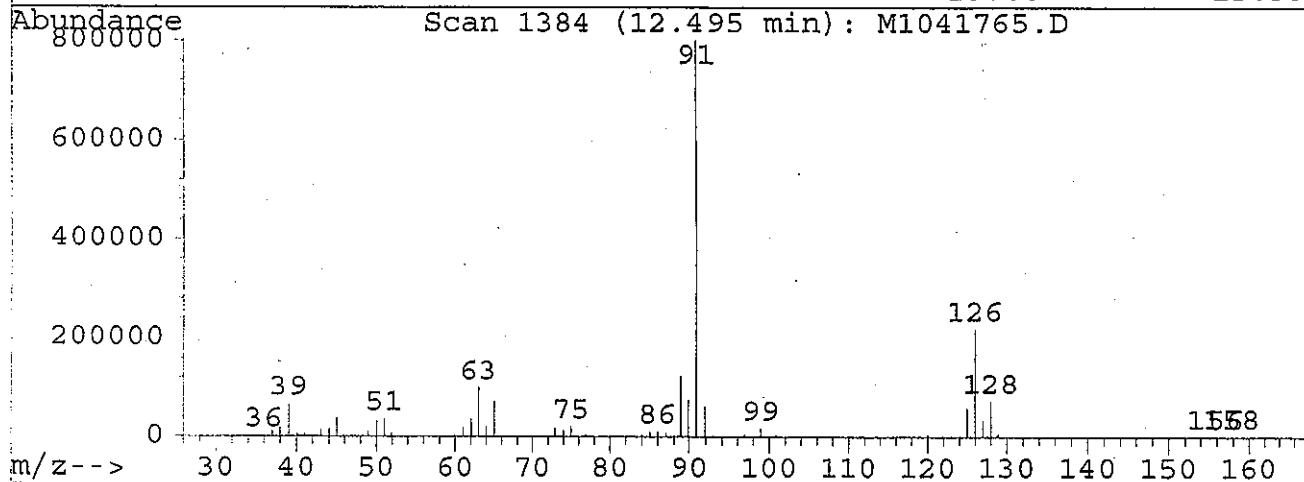
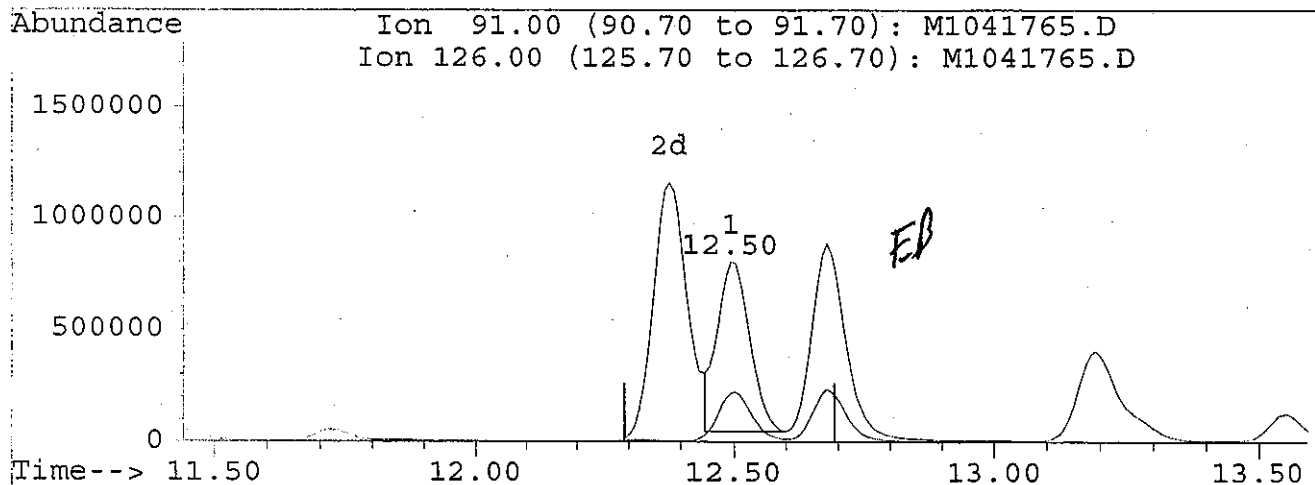
Method : C:\HPCHEM\1\METHODS\HI080806.M
Title : Element ID: 0607032
Last Update : Mon Aug 14 08:54:06 2006
Response via : Multiple Level Calibration



Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA081406\M1041765.D Vial: 32
 Acq On : 14 Aug 106 8:52 pm Operator: RES
 Sample : BPH0148-CCV1 Inst : VOA MASS
 Misc : Multiplr: 1.00
 Quant Time: Aug 14 21:10 19106

Method : C:\HPCHEM\1\METHODS\HI080806.M
 Title : Element ID: 0607032
 Last Update : Mon Aug 14 08:54:06 2006
 Response via : Multiple Level Calibration



TIC: M1041765.D

(83) 2-Chlorotoluene

12.50min 20.15ug/l

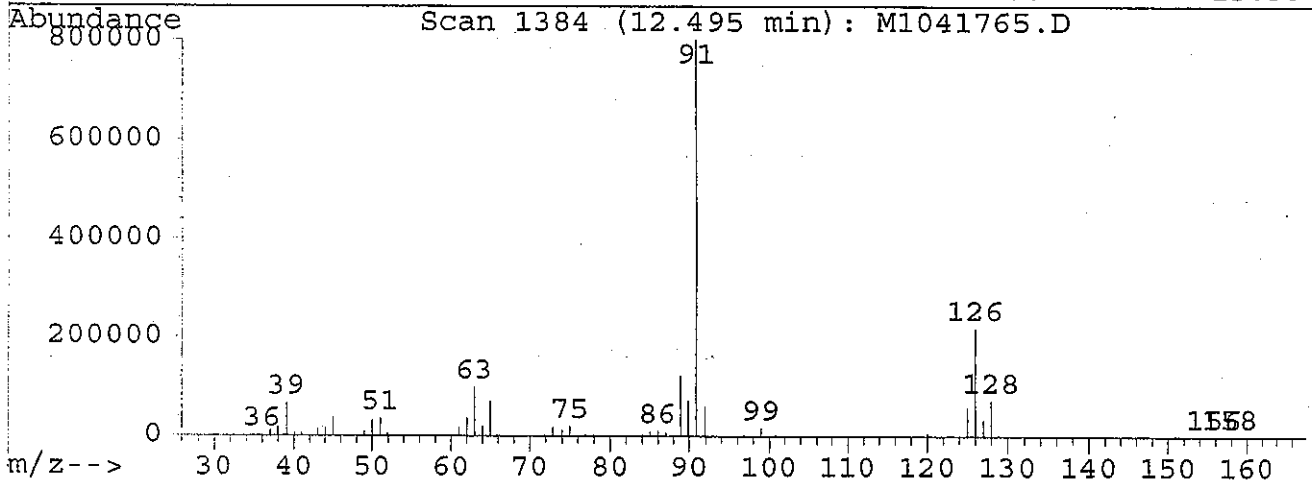
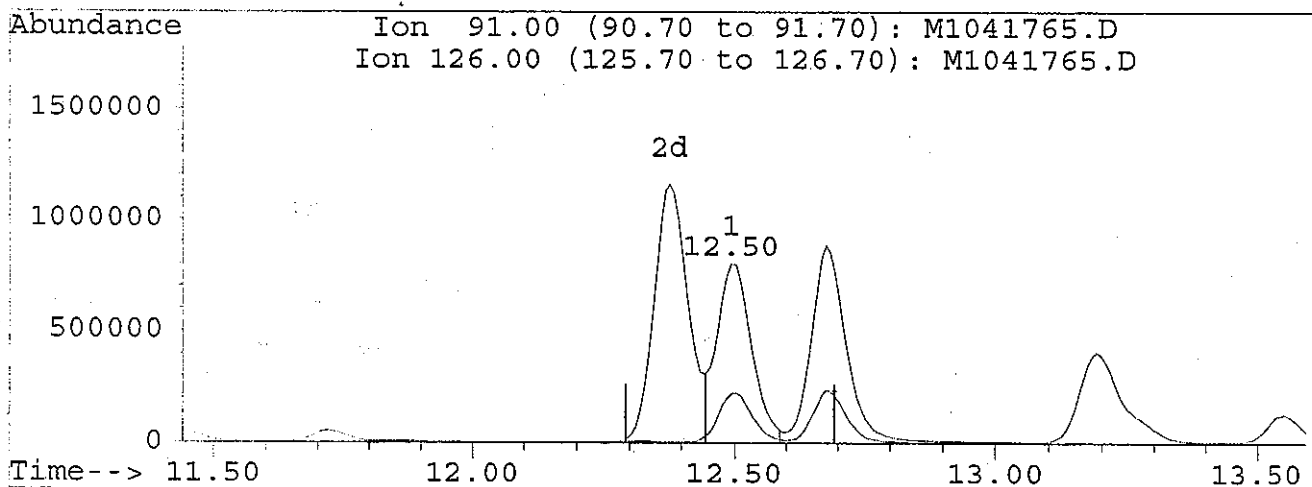
response 3253900

| Ion | Exp% | Act% |
|--------|-------|-------|
| 91.00 | 100 | 100 |
| 126.00 | 27.40 | 27.38 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA081406\M1041765.D Vial: 32
 Acq On : 14 Aug 106 8:52 pm Operator: RES
 Sample : BPH0148-CCV1 Inst : VOA MASS
 Misc : Multiplr: 1.00
 Quant Time: Aug 15 9:00 19106

Method : C:\HPCHEM\1\METHODS\HI080806.M
 Title : Element ID: 0607032
 Last Update : Mon Aug 14 08:54:06 2006
 Response via : Multiple Level Calibration



TIC: M1041765.D

(83) 2-Chlorotoluene

12.50min 22.69ug/l m

response 3663722

| Ion | Exp% | Act% |
|--------|-------|-------|
| 91.00 | 100 | 100 |
| 126.00 | 27.40 | 27.38 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

SURROGATE STANDARD RECOVERY AND RT SUMMARY

8260B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Sequence: BPH0148

Instrument: VMS1

Matrix: Solid

Calibration: 0608018

| Surrogate Compound | Spike Level ug/L | % Recovery | Recovery Limits | RT | Calibration Mean RT | RT Diff | RT Diff Limit | Q |
|--|------------------|------------|-----------------|-------|---------------------|---------|---------------|---|
| Calibration Check (BPH0148-CCV1) Lab File ID: M1041765.D Analyzed: 08/14/06 20:52 | | | | | | | | |
| 1,2-Dichloroethane-d4 | 25.0 | 102 | 0 - 200 | 5.69 | 5.685 | 0.0050 | +/-1.0 | |
| 4-Bromofluorobenzene | 25.0 | 93 | 0 - 200 | 11.96 | 11.9567 | 0.0033 | +/-1.0 | |
| Dibromofluoromethane | 25.0 | 106 | 0 - 200 | 5.31 | 5.305 | 0.0050 | +/-1.0 | |
| Toluene-d8 | 25.0 | 97 | 0 - 200 | 8.08 | 8.08 | 0.0000 | +/-1.0 | |
| LCS (BH61428-BS1) Lab File ID: M1041766.D Analyzed: 08/14/06 21:20 | | | | | | | | |
| 1,2-Dichloroethane-d4 | 2500 | 106 | 70 - 130 | 5.69 | 5.685 | 0.0050 | +/-1.0 | |
| 4-Bromofluorobenzene | 2500 | 98 | 70 - 130 | 11.96 | 11.9567 | 0.0033 | +/-1.0 | |
| Dibromofluoromethane | 2500 | 113 | 70 - 130 | 5.31 | 5.305 | 0.0050 | +/-1.0 | |
| Toluene-d8 | 2500 | 103 | 70 - 130 | 8.08 | 8.08 | 0.0000 | +/-1.0 | |
| LCS Dup (BH61428-BSD1) Lab File ID: M1041767.D Analyzed: 08/14/06 21:47 | | | | | | | | |
| 1,2-Dichloroethane-d4 | 2500 | 113 | 70 - 130 | 5.69 | 5.685 | 0.0050 | +/-1.0 | |
| 4-Bromofluorobenzene | 2500 | 97 | 70 - 130 | 11.96 | 11.9567 | 0.0033 | +/-1.0 | |
| Dibromofluoromethane | 2500 | 110 | 70 - 130 | 5.31 | 5.305 | 0.0050 | +/-1.0 | |
| Toluene-d8 | 2500 | 102 | 70 - 130 | 8.08 | 8.08 | 0.0000 | +/-1.0 | |
| Blank (BH61428-BLK1) Lab File ID: M1041770.D Analyzed: 08/14/06 23:09 | | | | | | | | |
| 1,2-Dichloroethane-d4 | 2500 | 107 | 70 - 130 | 5.68 | 5.685 | -0.0050 | +/-1.0 | |
| 4-Bromofluorobenzene | 2500 | 94 | 70 - 130 | 11.96 | 11.9567 | 0.0033 | +/-1.0 | |
| Dibromofluoromethane | 2500 | 113 | 70 - 130 | 5.31 | 5.305 | 0.0050 | +/-1.0 | |
| Toluene-d8 | 2500 | 100 | 70 - 130 | 8.08 | 8.08 | 0.0000 | +/-1.0 | |
| Vertex Fill (0608248-11) Lab File ID: M1041775.D Analyzed: 08/15/06 01:25 | | | | | | | | |
| 1,2-Dichloroethane-d4 | 1270 | 105 | 70 - 130 | 5.69 | 5.685 | 0.0050 | +/-1.0 | |
| 4-Bromofluorobenzene | 1270 | 94 | 70 - 130 | 11.96 | 11.9567 | 0.0033 | +/-1.0 | |
| Dibromofluoromethane | 1270 | 116 | 70 - 130 | 5.31 | 5.305 | 0.0050 | +/-1.0 | |
| Toluene-d8 | 1270 | 105 | 70 - 130 | 8.08 | 8.08 | 0.0000 | +/-1.0 | |
| Matrix Spike (BH61428-MS1) Lab File ID: M1041781.D Analyzed: 08/15/06 07:39 | | | | | | | | |
| 1,2-Dichloroethane-d4 | 1270 | 113 | 70 - 130 | 5.7 | 5.685 | 0.0150 | +/-1.0 | |
| 4-Bromofluorobenzene | 1270 | 96 | 70 - 130 | 11.97 | 11.9567 | 0.0133 | +/-1.0 | |
| Dibromofluoromethane | 1270 | 113 | 70 - 130 | 5.31 | 5.305 | 0.0050 | +/-1.0 | |
| Toluene-d8 | 1270 | 103 | 70 - 130 | 8.08 | 8.08 | 0.0000 | +/-1.0 | |
| Matrix Spike Dup (BH61428-MSD1) Lab File ID: M1041782.D Analyzed: 08/15/06 08:06 | | | | | | | | |
| 1,2-Dichloroethane-d4 | 1270 | 119 | 70 - 130 | 5.69 | 5.685 | 0.0050 | +/-1.0 | |
| 4-Bromofluorobenzene | 1270 | 94 | 70 - 130 | 11.96 | 11.9567 | 0.0033 | +/-1.0 | |
| Dibromofluoromethane | 1270 | 123 | 70 - 130 | 5.32 | 5.305 | 0.0150 | +/-1.0 | |
| Toluene-d8 | 1270 | 100 | 70 - 130 | 8.09 | 8.08 | 0.0100 | +/-1.0 | |

**INTERNAL STANDARD AREA AND RT SUMMARY
8260B**

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Sequence: BPH0148

Instrument: VMS1

Matrix: Solid

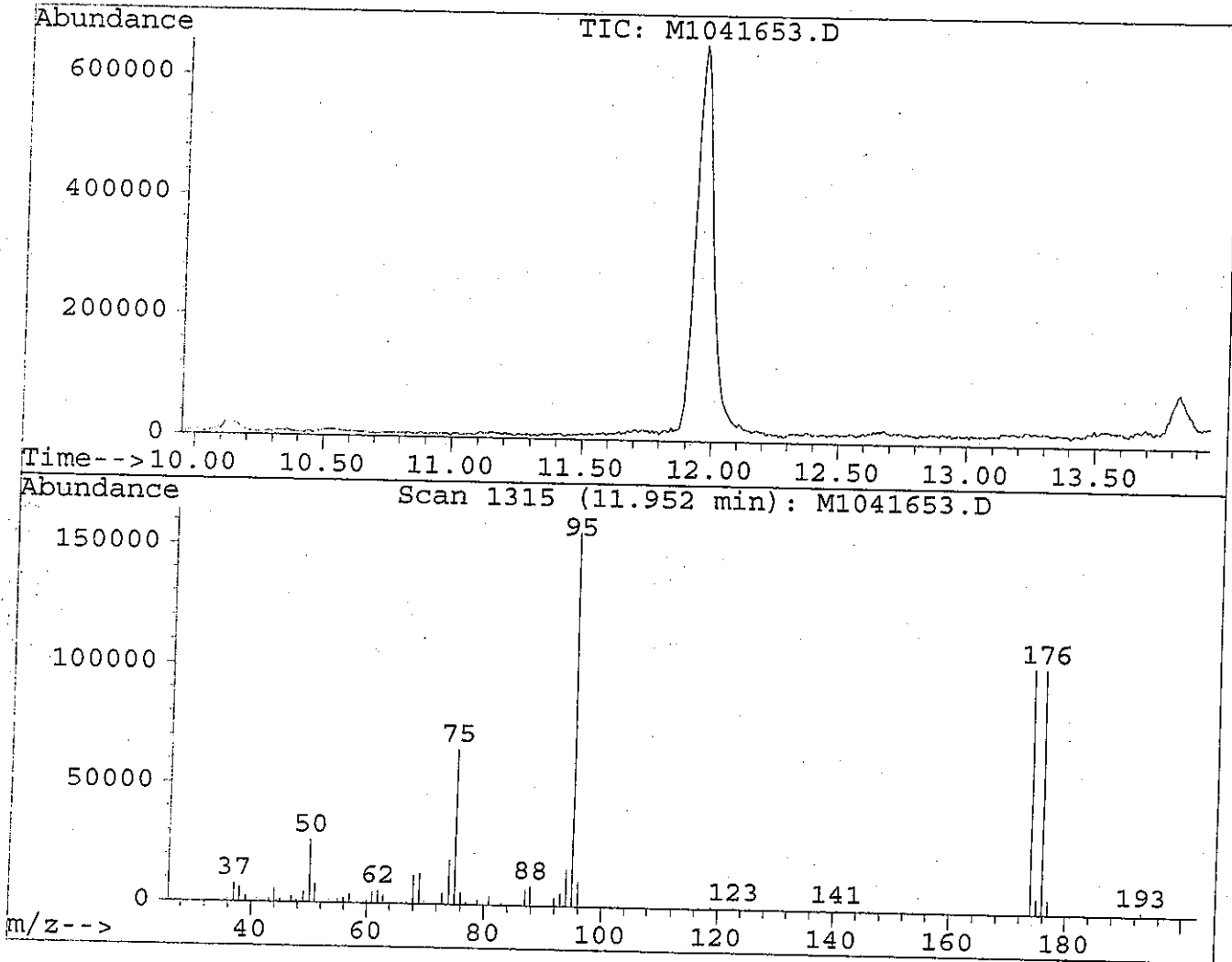
Calibration: 0608018

| Internal Standard | Response | RT | Reference Response | Reference RT | Area % | Area % Limits | RT Diff | RT Diff Limit | Q |
|---|----------|-------|--------------------|--------------|--------------------------|---------------|---------|---------------|---|
| Calibration Check (BPH0148-CCV1) | | | | | | | | | |
| Lab File ID: M1041765.D | | | | | Analyzed: 08/14/06 20:52 | | | | |
| Fluorobenzene | 4172114 | 6.07 | 4806793 | 6.06 | 87 | 50 - 200 | 0.0100 | +/-0.50 | |
| Chlorobenzene-d5 | 3888376 | 10.13 | 4042466 | 10.13 | 96 | 50 - 200 | 0.0000 | +/-0.50 | |
| 1,4-Dichlorobenzene-D4 | 1866153 | 13.83 | 1901388 | 13.82 | 98 | 50 - 200 | 0.0100 | +/-0.50 | |
| LCS (BH61428-BS1) | | | | | | | | | |
| Lab File ID: M1041766.D | | | | | Analyzed: 08/14/06 21:20 | | | | |
| Fluorobenzene | 4177197 | 6.07 | 4172114 | 6.07 | 100 | 50 - 200 | 0.0000 | +/-0.50 | |
| Chlorobenzene-d5 | 3922913 | 10.14 | 3888376 | 10.13 | 101 | 50 - 200 | 0.0100 | +/-0.50 | |
| 1,4-Dichlorobenzene-D4 | 1876495 | 13.83 | 1866153 | 13.83 | 101 | 50 - 200 | 0.0000 | +/-0.50 | |
| LCS Dup (BH61428-BSD1) | | | | | | | | | |
| Lab File ID: M1041767.D | | | | | Analyzed: 08/14/06 21:47 | | | | |
| Fluorobenzene | 4210890 | 6.07 | 4172114 | 6.07 | 101 | 50 - 200 | 0.0000 | +/-0.50 | |
| Chlorobenzene-d5 | 3909323 | 10.14 | 3888376 | 10.13 | 101 | 50 - 200 | 0.0100 | +/-0.50 | |
| 1,4-Dichlorobenzene-D4 | 1889890 | 13.83 | 1866153 | 13.83 | 101 | 50 - 200 | 0.0000 | +/-0.50 | |
| Blank (BH61428-BLK1) | | | | | | | | | |
| Lab File ID: M1041770.D | | | | | Analyzed: 08/14/06 23:09 | | | | |
| Fluorobenzene | 4317891 | 6.07 | 4172114 | 6.07 | 103 | 50 - 200 | 0.0000 | +/-0.50 | |
| Chlorobenzene-d5 | 4077472 | 10.14 | 3888376 | 10.13 | 105 | 50 - 200 | 0.0100 | +/-0.50 | |
| 1,4-Dichlorobenzene-D4 | 1898954 | 13.83 | 1866153 | 13.83 | 102 | 50 - 200 | 0.0000 | +/-0.50 | |
| Vertex Fill (0608248-11) | | | | | | | | | |
| Lab File ID: M1041775.D | | | | | Analyzed: 08/15/06 01:25 | | | | |
| Fluorobenzene | 4094060 | 6.07 | 4172114 | 6.07 | 98 | 50 - 200 | 0.0000 | +/-0.50 | |
| Chlorobenzene-d5 | 3807991 | 10.13 | 3888376 | 10.13 | 98 | 50 - 200 | 0.0000 | +/-0.50 | |
| 1,4-Dichlorobenzene-D4 | 1658871 | 13.83 | 1866153 | 13.83 | 89 | 50 - 200 | 0.0000 | +/-0.50 | |
| Matrix Spike (BH61428-MS1) | | | | | | | | | |
| Lab File ID: M1041781.D | | | | | Analyzed: 08/15/06 07:39 | | | | |
| Fluorobenzene | 4082284 | 6.08 | 4172114 | 6.07 | 98 | 50 - 200 | 0.0100 | +/-0.50 | |
| Chlorobenzene-d5 | 3806287 | 10.14 | 3888376 | 10.13 | 98 | 50 - 200 | 0.0100 | +/-0.50 | |
| 1,4-Dichlorobenzene-D4 | 1713578 | 13.83 | 1866153 | 13.83 | 92 | 50 - 200 | 0.0000 | +/-0.50 | |
| Matrix Spike Dup (BH61428-MSD1) | | | | | | | | | |
| Lab File ID: M1041782.D | | | | | Analyzed: 08/15/06 08:06 | | | | |
| Fluorobenzene | 3717454 | 6.07 | 4172114 | 6.07 | 89 | 50 - 200 | 0.0000 | +/-0.50 | |
| Chlorobenzene-d5 | 3840172 | 10.14 | 3888376 | 10.13 | 99 | 50 - 200 | 0.0100 | +/-0.50 | |
| 1,4-Dichlorobenzene-D4 | 1786629 | 13.83 | 1866153 | 13.83 | 96 | 50 - 200 | 0.0000 | +/-0.50 | |

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041653.D
 Acq On : 8 Aug 106 11:03 am
 Sample : BPH0094-TUN1
 Misc :

Vial: 1
 Operator: RES
 Inst : VOA MASS
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\HI072006.M
 Title : Element ID: 0607032



Peak Apex is scan: 1315

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|-------------|--------------|--------------|--------------|-----------|---------|------------------|
| 50 | 95 | 15 | 40 | 16.9 | 26504 | PASS |
| 75 | 95 | 30 | 60 | 41.5 | 65104 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 156800 | PASS |
| 96 | 95 | 5 | 9 | 6.7 | 10571 | PASS |
| 173 | 174 | 0 | 2 | 0.0 | 0 | PASS |
| 174 | 95 | 50 | 100 | 65.5 | 102728 | PASS |
| 175 | 174 | 5 | 9 | 6.6 | 6776 | PASS |
| 176 | 174 | 95 | 101 | 100.0 | 102728 | PASS |
| 177 | 176 | 5 | 9 | 6.0 | 6161 | PASS |

INITIAL CALIBRATION DATA

8260B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Calibration: 0608018

Instrument: VMS1

Matrix: Solid

Calibration Date: 08/08/06 09:45

| Compound | Level 01 | | Level 02 | | Level 03 | | Level 04 | | Level 05 | | Level 06 | |
|-----------------------------|----------|-------------|----------|-------------|----------|-------------|----------|-------------|----------|-------------|----------|-------------|
| | ug/L | RF | ug/L | RF | ug/L | RF | ug/L | RF | ug/L | RF | ug/L | RF |
| 1,1,1,2-Tetrachloroethane | 25 | 0.368723 | 10 | 0.354283 | 2.5 | 0.307184 | 0.5 | 0.307021 | 50 | 0.363184 | 100 | 0.364911 |
| 1,1,1-Trichloroethane | 25 | 0.437365 | 10 | 0.428994 | 2.5 | 0.39093 | 0.5 | 0.418728 | 50 | 0.435123 | 100 | 0.424562 |
| 1,1,2,2-Tetrachloroethane | 25 | 0.815993 | 10 | 0.83616 | 2.5 | 0.78003 | 0.5 | 0.888292 | 50 | 0.792248 | 100 | 0.77151 |
| 1,1,2-Trichloroethane | 25 | 0.266913 | 10 | 0.263171 | 2.5 | 0.24817 | 0.5 | 0.238775 | 50 | 0.260376 | 100 | 0.255019 |
| 1,1-Dichloroethane | 25 | 0.544234 | 10 | 0.533429 | 2.5 | 0.496633 | 0.5 | 0.521499 | 50 | 0.540204 | 100 | 0.519846 |
| 1,1-Dichloroethene | 25 | 0.272843 | 10 | 0.270144 | 2.5 | 0.251852 | 0.5 | 0.267787 | 50 | 0.263524 | 100 | 0.254644 |
| 1,1-Dichloropropene | 25 | 0.375803 | 10 | 0.377857 | 2.5 | 0.339925 | 0.5 | 0.37006 | 50 | 0.373041 | 100 | 0.362234 |
| 1,2,3-Trichlorobenzene | 25 | 0.298438 | 10 | 0.494553 | 2.5 | 0.618148 | 0.5 | | 50 | 0.296694 | 100 | 0.342906 |
| 1,2,3-Trichloropropane | 25 | 0.699039 | 10 | 0.714231 | 2.5 | 0.682791 | 0.5 | 0.734088 | 50 | 0.681519 | 100 | 0.690075 |
| 1,2,4-Trichlorobenzene | 25 | 0.478756 | 10 | 0.56768 | 2.5 | 0.65438 | 0.5 | 0.762786 | 50 | 0.490245 | 100 | 0.511811 |
| 1,2,4-Trimethylbenzene | 25 | 2.10854 | 10 | 2.15494 | 2.5 | 2.05985 | 0.5 | 2.29897 | 50 | 2.08681 | 100 | 2.01855 |
| 1,2-Dibromo-3-Chloropropane | 25 | 0.0890194 | 10 | 0.0978756 | 2.5 | 0.101894 | 0.5 | 0.0705156 | 50 | 0.0911084 | 100 | 0.0970172 |
| 1,2-Dibromoethane | 25 | 0.398994 | 10 | 0.389347 | 2.5 | 0.351731 | 0.5 | 0.33236 | 50 | 0.390911 | 100 | 0.387298 |
| 1,2-Dichlorobenzene | 25 | 1.04986 | 10 | 1.05709 | 2.5 | 1.00352 | 0.5 | 1.09291 | 50 | 1.04283 | 100 | 1.04162 |
| 1,2-Dichloroethane | 25 | 0.282823 | 10 | 0.280211 | 2.5 | 0.255973 | 0.5 | 0.28549 | 50 | 0.274909 | 100 | 0.266778 |
| 1,2-Dichloropropane | 25 | 0.365673 | 10 | 0.361413 | 2.5 | 0.339264 | 0.5 | 0.371768 | 50 | 0.362925 | 100 | 0.349583 |
| 1,3,5-Trimethylbenzene | 25 | 2.08295 | 10 | 2.09794 | 2.5 | 2.00236 | 0.5 | 2.18873 | 50 | 2.05695 | 100 | 2.00223 |
| 1,3-Dichlorobenzene | 25 | 1.22497 | 10 | 1.20883 | 2.5 | 1.13496 | 0.5 | 1.2657 | 50 | 1.2142 | 100 | 1.20175 |
| 1,3-Dichloropropane | 25 | 0.505255 | 10 | 0.503903 | 2.5 | 0.464946 | 0.5 | 0.454931 | 50 | 0.493362 | 100 | 0.485742 |
| 1,4-Dichlorobenzene | 25 | 1.27944 | 10 | 1.28396 | 2.5 | 1.24895 | 0.5 | 1.37641 | 50 | 1.2722 | 100 | 1.25757 |
| 1,4-Dioxane - Screen | 500 | 8.90398E-04 | 200 | 2.80105E-03 | 50 | 4.49718E-03 | 10 | 6.18935E-03 | 1000 | 8.75263E-04 | 2000 | 1.18484E-03 |
| 1-Chlorohexane | 25 | 0.475654 | 10 | 0.466412 | 2.5 | 0.454366 | 0.5 | 0.567559 | 50 | 0.466394 | 100 | 0.453095 |
| 2,2-Dichloropropane | 25 | 0.415594 | 10 | 0.40952 | 2.5 | 0.36837 | 0.5 | 0.527993 | 50 | 0.380693 | 100 | 0.366102 |
| 2-Butanone | 125 | 0.0133224 | 50 | 0.0139038 | 12.5 | 0.0119668 | 2.5 | 0.0151174 | 250 | 0.0131584 | 500 | 0.0128443 |
| 2-Chlorotoluene | 25 | 2.09761 | 10 | 2.26182 | 2.5 | 2.07257 | 0.5 | 2.34003 | 50 | 2.12547 | 100 | 2.08263 |
| 2-Hexanone | 125 | 0.158783 | 50 | 0.163942 | 12.5 | 0.155864 | 2.5 | 0.164184 | 250 | 0.154522 | 500 | 0.154557 |
| 4-Chlorotoluene | 25 | 2.35541 | 10 | 2.37791 | 2.5 | 2.12845 | 0.5 | 2.63822 | 50 | 2.30517 | 100 | 2.21958 |
| 4-Isopropyltoluene | 25 | 1.91243 | 10 | 1.94779 | 2.5 | 1.86939 | 0.5 | 2.14458 | 50 | 1.91069 | 100 | 1.87759 |
| 4-Methyl-2-Pentanone | 125 | 0.0859916 | 50 | 0.0877632 | 12.5 | 0.0802032 | 2.5 | 0.0827821 | 250 | 0.0843827 | 500 | 0.0822348 |
| Acetone | 125 | 9.59065E-03 | 50 | 9.98037E-03 | 12.5 | 0.0105072 | 2.5 | 0.0194893 | 250 | 9.50769E-03 | 500 | 9.03834E-03 |
| Benzene | 25 | 0.949145 | 10 | 0.912283 | 2.5 | 0.878311 | 0.5 | 1.00891 | 50 | 0.92933 | 100 | 0.859035 |

INITIAL CALIBRATION DATA

8260B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Calibration: 0608018

Instrument: VMS1

Matrix: Solid

Calibration Date: 08/08/06 09:45

| Compound | Level 01 | | Level 02 | | Level 03 | | Level 04 | | Level 05 | | Level 06 | |
|----------------------------|----------|----------|----------|----------|----------|-----------|----------|-----------|----------|----------|----------|----------|
| | ug/L | RF | ug/L | RF | ug/L | RF | ug/L | RF | ug/L | RF | ug/L | RF |
| Bromobenzene | 25 | 0.773435 | 10 | 0.760339 | 2.5 | 0.69768 | 0.5 | 0.757663 | 50 | 0.763585 | 100 | 0.753607 |
| Bromochloromethane | 25 | 0.157159 | 10 | 0.154711 | 2.5 | 0.144402 | 0.5 | 0.162424 | 50 | 0.155452 | 100 | 0.151359 |
| Bromodichloromethane | 25 | 0.540044 | 10 | 0.525349 | 2.5 | 0.451696 | 0.5 | 0.452812 | 50 | 0.538071 | 100 | 0.531841 |
| Bromoform | 25 | 0.271541 | 10 | 0.25014 | 2.5 | 0.199415 | 0.5 | 0.0941912 | 50 | 0.272012 | 100 | 0.278799 |
| Bromomethane | 25 | 0.222687 | 10 | 0.214998 | 2.5 | 0.223681 | 0.5 | 0.272167 | 50 | 0.221563 | 100 | 0.21851 |
| Carbon Disulfide | 25 | 0.755811 | 10 | 0.738456 | 2.5 | 0.665215 | 0.5 | 0.694217 | 50 | 0.753355 | 100 | 0.732572 |
| Carbon Tetrachloride | 25 | 0.372586 | 10 | 0.365868 | 2.5 | 0.328002 | 0.5 | 0.340712 | 50 | 0.37836 | 100 | 0.374113 |
| Chlorobenzene | 25 | 0.869952 | 10 | 0.866651 | 2.5 | 0.801746 | 0.5 | 0.83577 | 50 | 0.85208 | 100 | 0.835366 |
| Chloroethane | 25 | 0.108671 | 10 | 0.105617 | 2.5 | 0.0953671 | 0.5 | 0.0928225 | 50 | 0.108941 | 100 | 0.10521 |
| Chloroform | 25 | 0.526767 | 10 | 0.527084 | 2.5 | 0.499847 | 0.5 | 0.533724 | 50 | 0.522659 | 100 | 0.508323 |
| Chloromethane | 25 | 0.304891 | 10 | 0.303192 | 2.5 | 0.296763 | 0.5 | 0.358201 | 50 | 0.296209 | 100 | 0.28556 |
| cis-1,2-Dichloroethene | 25 | 0.299096 | 10 | 0.29437 | 2.5 | 0.275893 | 0.5 | 0.292928 | 50 | 0.29567 | 100 | 0.284443 |
| cis-1,3-Dichloropropene | 25 | 0.506717 | 10 | 0.496109 | 2.5 | 0.423967 | 0.5 | 0.39574 | 50 | 0.499438 | 100 | 0.489584 |
| Dibromochloromethane | 25 | 0.426697 | 10 | 0.406518 | 2.5 | 0.338341 | 0.5 | 0.318782 | 50 | 0.426622 | 100 | 0.427616 |
| Dibromomethane | 25 | 0.236506 | 10 | 0.233953 | 2.5 | 0.214711 | 0.5 | 0.213744 | 50 | 0.232805 | 100 | 0.229255 |
| Dichlorodifluoromethane | 25 | 0.488453 | 10 | 0.465403 | 2.5 | 0.4181 | 0.5 | 0.43516 | 50 | 0.477121 | 100 | 0.463566 |
| Diethyl Ether | 25 | 0.188085 | 10 | 0.185496 | 2.5 | 0.166288 | 0.5 | 0.188978 | 50 | 0.185062 | 100 | 0.180266 |
| Di-isopropyl ether | 25 | 1.21461 | 10 | 1.22285 | 2.5 | 1.15782 | 0.5 | 1.29798 | 50 | 1.18621 | 100 | 1.13009 |
| Ethyl tertiary-butyl ether | 25 | 0.905238 | 10 | 0.900942 | 2.5 | 0.835884 | 0.5 | 0.858329 | 50 | 0.888244 | 100 | 0.865086 |
| Ethylbenzene | 25 | 1.35025 | 10 | 1.34462 | 2.5 | 1.24483 | 0.5 | 1.38781 | 50 | 1.31332 | 100 | 1.27595 |
| Hexachlorobutadiene | 25 | 0.274789 | 10 | 0.340838 | 2.5 | 0.409811 | 0.5 | | 50 | 0.277242 | 100 | 0.283265 |
| Isopropylbenzene | 25 | 1.31876 | 10 | 1.3137 | 2.5 | 1.22116 | 0.5 | 1.23866 | 50 | 1.29709 | 100 | 1.27081 |
| Methyl tert-Butyl Ether | 25 | 0.57679 | 10 | 0.581653 | 2.5 | 0.540529 | 0.5 | 0.628213 | 50 | 0.563889 | 100 | 0.547499 |
| Methylene Chloride | 25 | 0.280853 | 10 | 0.280071 | 2.5 | 0.274932 | 0.5 | 0.368648 | 50 | 0.277894 | 100 | 0.268446 |
| Naphthalene | 25 | 0.604668 | 10 | 0.828594 | 2.5 | 1.09763 | 0.5 | | 50 | 0.613934 | 100 | 0.673405 |
| n-Butylbenzene | 25 | 1.66377 | 10 | 1.70236 | 2.5 | 1.69523 | 0.5 | 2.08789 | 50 | 1.65231 | 100 | 1.61219 |
| n-Propylbenzene | 25 | 3.11959 | 10 | 3.14188 | 2.5 | 2.91326 | 0.5 | 3.38922 | 50 | 3.05188 | 100 | 2.96967 |
| sec-Butylbenzene | 25 | 2.5547 | 10 | 2.5903 | 2.5 | 2.51583 | 0.5 | 2.96043 | 50 | 2.55208 | 100 | 2.50035 |
| Styrene | 25 | 0.916544 | 10 | 0.906459 | 2.5 | 0.819146 | 0.5 | 0.807402 | 50 | 0.899429 | 100 | 0.874267 |
| tert-Butylbenzene | 25 | 2.44702 | 10 | 2.45579 | 2.5 | 2.2914 | 0.5 | 2.50728 | 50 | 2.4188 | 100 | 2.38357 |
| Tertiary-amyl methyl ether | 25 | 0.791165 | 10 | 0.811755 | 2.5 | 0.760033 | 0.5 | 0.820606 | 50 | 0.794565 | 100 | 0.772696 |

INITIAL CALIBRATION DATA

8260B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Calibration: 0608018

Instrument: VMS1

Matrix: Solid

Calibration Date: 08/08/06 09:45

| Compound | Level 01 | | Level 02 | | Level 03 | | Level 04 | | Level 05 | | Level 06 | |
|---------------------------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|
| | ug/L | RF | ug/L | RF | ug/L | RF | ug/L | RF | ug/L | RF | ug/L | RF |
| Tetrachloroethene | 25 | 0.356171 | 10 | 0.352967 | 2.5 | 0.336616 | 0.5 | 0.336054 | 50 | 0.353056 | 100 | 0.340043 |
| Tetrahydrofuran | 25 | 0.0413357 | 10 | 0.0450708 | 2.5 | 0.0510195 | 0.5 | 0.0412183 | 50 | 0.0395372 | 100 | 0.0394417 |
| Toluene | 25 | 0.755757 | 10 | 0.742428 | 2.5 | 0.707135 | 0.5 | 0.745321 | 50 | 0.739034 | 100 | 0.717047 |
| trans-1,2-Dichloroethene | 25 | 0.314001 | 10 | 0.308642 | 2.5 | 0.289584 | 0.5 | 0.301018 | 50 | 0.309876 | 100 | 0.299378 |
| trans-1,3-Dichloropropene | 25 | 0.451155 | 10 | 0.438567 | 2.5 | 0.37729 | 0.5 | 0.375779 | 50 | 0.444413 | 100 | 0.442245 |
| Trichloroethene | 25 | 0.383946 | 10 | 0.382263 | 2.5 | 0.352867 | 0.5 | 0.416268 | 50 | 0.383181 | 100 | 0.372996 |
| Trichlorofluoromethane | 25 | 0.531605 | 10 | 0.520469 | 2.5 | 0.474578 | 0.5 | 0.502719 | 50 | 0.525345 | 100 | 0.516372 |
| Vinyl Acetate | 25 | 1.00464 | 10 | 1.01107 | 2.5 | 0.965677 | 0.5 | 1.12176 | 50 | 0.970827 | 100 | 0.934908 |
| Vinyl Chloride | 25 | 0.307502 | 10 | 0.296958 | 2.5 | 0.277982 | 0.5 | 0.27615 | 50 | 0.303349 | 100 | 0.288487 |
| Xylene O | 25 | 0.522223 | 10 | 0.522525 | 2.5 | 0.481958 | 0.5 | 0.487563 | 50 | 0.514535 | 100 | 0.501245 |
| Xylene P,M | 50 | 0.535799 | 20 | 0.532843 | 5 | 0.497467 | 1 | 0.511435 | 100 | 0.523323 | 200 | 0.511811 |
| 1,2-Dichloroethane-d4 | 25 | 0.240771 | 10 | 0.22834 | 2.5 | 0.212004 | 0.5 | 0.26045 | 50 | 0.234376 | 100 | 0.222824 |
| 4-Bromofluorobenzene | 25 | 1.3386 | 10 | 1.34077 | 2.5 | 1.31844 | 0.5 | 1.605 | 50 | 1.31097 | 100 | 1.2749 |
| Dibromofluoromethane | 25 | 0.470463 | 10 | 0.468708 | 2.5 | 0.442879 | 0.5 | 0.477638 | 50 | 0.467054 | 100 | 0.455468 |
| Toluene-d8 | 25 | 1.15517 | 10 | 1.14524 | 2.5 | 1.08007 | 0.5 | 1.15033 | 50 | 1.12919 | 100 | 1.10157 |

INITIAL CALIBRATION DATA (Continued)

8260B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Calibration: 0608018

Instrument: VMS1

Matrix: Solid

Calibration Date: 08/08/06 09:45

| Compound | Mean RF | RF RSD | Mean RT | RT RSD | Linear r | Quad COD | LIMIT | Q |
|-----------------------------|-------------|--------|---------|---------|----------|----------|------------|---|
| 1,1,1,2-Tetrachloroethane | 0.344218 | 8.465 | 10.3067 | 0.05262 | | | 15 | |
| 1,1,1-Trichloroethane | 0.422617 | 4.012 | 5.31167 | 0.07908 | | | 15 | |
| 1,1,2,2-Tetrachloroethane | 0.814039 | 5.34 | 12.225 | 0.04277 | | | SPCC (0.3) | |
| 1,1,2-Trichloroethane | 0.255404 | 4.093 | 8.74833 | 0.0467 | | | 15 | |
| 1,1-Dichloroethane | 0.525974 | 3.304 | 4.15833 | 0.09903 | | | SPCC (0.1) | |
| 1,1-Dichloroethene | 0.263466 | 3.238 | 2.96333 | 0.1747 | | | CCC (30) | |
| 1,1-Dichloropropene | 0.366487 | 3.85 | 5.49 | 0.114 | | | 15 | |
| 1,2,3-Trichlorobenzene | 0.410148 | 34.54 | 16.76 | 0.04348 | 0.99412 | | 0.99 | * |
| 1,2,3-Trichloropropane | 0.70029 | 2.927 | 12.2883 | 0.03355 | | | 15 | |
| 1,2,4-Trichlorobenzene | 0.57761 | 19.28 | 16.2667 | 0.03378 | 0.99948 | | 0.99 | |
| 1,2,4-Trimethylbenzene | 2.12128 | 4.637 | 13.27 | 0.04768 | | | 15 | |
| 1,2-Dibromo-3-Chloropropane | 0.0912384 | 12.26 | 15.4383 | 0.02589 | | | 15 | |
| 1,2-Dibromoethane | 0.375107 | 7.099 | 9.455 | 0.05838 | | | 15 | |
| 1,2-Dichlorobenzene | 1.04797 | 2.749 | 14.4483 | 0.04922 | | | 15 | |
| 1,2-Dichloroethane | 0.274364 | 4.077 | 5.77333 | 0.08923 | | | 15 | |
| 1,2-Dichloropropane | 0.358438 | 3.313 | 6.80167 | 0.05813 | | | CCC (30) | |
| 1,3,5-Trimethylbenzene | 2.07186 | 3.369 | 12.6733 | 0.04024 | | | 15 | |
| 1,3-Dichlorobenzene | 1.2084 | 3.517 | 13.7117 | 0.05186 | | | 15 | |
| 1,3-Dichloropropane | 0.48469 | 4.272 | 8.97833 | 0.04139 | | | 15 | |
| 1,4-Dichlorobenzene | 1.28642 | 3.578 | 13.865 | 0.03907 | | | 15 | |
| 1,4-Dioxane - Screen | 2.73968E-03 | 80.48 | 7.01833 | 0.1395 | 0.97022 | | 0.99 | * |
| 1-Chlorohexane | 0.48058 | 9.039 | 10.1583 | 0.03573 | | | 15 | |
| 2,2-Dichloropropane | 0.411379 | 14.77 | 4.76167 | 0.08574 | | | 15 | |
| 2-Butanone | 0.0133855 | 7.927 | 4.84667 | 0.1691 | | | 15 | |
| 2-Chlorotoluene | 2.16335 | 5.123 | 12.4933 | 0.03961 | | | 15 | |
| 2-Hexanone | 0.158642 | 2.822 | 9.13667 | 0.05515 | | | 15 | |
| 4-Chlorotoluene | 2.33746 | 7.436 | 12.675 | 0.04328 | | | 15 | |
| 4-Isopropyltoluene | 1.94374 | 5.263 | 13.8033 | 0.03539 | | | 15 | |
| 4-Methyl-2-Pentanone | 0.0838929 | 3.252 | 7.98167 | 0.05173 | | | 15 | |
| Acetone | 9.72485E-03 | 5.665 | 3.1 | 0.2284 | | | 15 | |
| Benzene | 0.922836 | 5.797 | 5.735 | 0.09637 | | | 15 | |
| Bromobenzene | 0.751051 | 3.594 | 12.1783 | 0.02722 | | | 15 | |

INITIAL CALIBRATION DATA (Continued)

8260B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Calibration: 0608018

Instrument: VMS1

Matrix: Solid

Calibration Date: 08/08/06 09:45

| Compound | Mean RF | RF RSD | Mean RT | RT RSD | Linear r | Quad COD | LIMIT | Q |
|----------------------------|-----------|--------|---------|----------|----------|----------|------------|---|
| Bromochloromethane | 0.154251 | 3.914 | 5.03667 | 0.1024 | | | 15 | |
| Bromodichloromethane | 0.506635 | 8.377 | 7.15167 | 0.05726 | | | 15 | |
| Bromoform | 0.227683 | 31.44 | 11.4483 | 0.06664 | 0.99994 | | SPCC (0.1) | |
| Bromomethane | 0.228934 | 9.354 | 2.14 | 0.2952 | | | 15 | |
| Carbon Disulfide | 0.723271 | 4.983 | 3.16167 | 0.1289 | | | 15 | |
| Carbon Tetrachloride | 0.35994 | 5.727 | 5.48667 | 0.09231 | | | 15 | |
| Chlorobenzene | 0.843594 | 2.989 | 10.1733 | 0.05158 | | | SPCC (0.3) | |
| Chloroethane | 0.102771 | 6.751 | 2.22833 | 0.1822 | | | 15 | |
| Chloroform | 0.519734 | 2.484 | 5.12833 | 0.07763 | | | CCC (30) | |
| Chloromethane | 0.307469 | 8.381 | 1.72833 | 0.2366 | | | SPCC (0.1) | |
| cis-1,2-Dichloroethene | 0.2904 | 2.968 | 4.77 | 0.1318 | | | 15 | |
| cis-1,3-Dichloropropene | 0.468593 | 9.965 | 7.73 | 0.01503 | | | 15 | |
| Dibromochloromethane | 0.390763 | 12.6 | 9.29833 | 0.04658 | | | 15 | |
| Dibromomethane | 0.226829 | 4.426 | 6.94 | 0.09157 | | | 15 | |
| Dichlorodifluoromethane | 0.457967 | 5.771 | 1.54 | 0.01235 | | | 15 | |
| Diethyl Ether | 0.182363 | 4.63 | 2.79167 | 0.1453 | | | 15 | |
| Di-isopropyl ether | 1.20159 | 4.878 | 4.26 | 0.009315 | | | 15 | |
| Ethyl tertiary-butyl ether | 0.87562 | 3.093 | 4.63667 | 0.1105 | | | 15 | |
| Ethylbenzene | 1.31946 | 3.975 | 10.3483 | 0.03623 | | | CCC (30) | |
| Hexachlorobutadiene | 0.317189 | 18.44 | 16.44 | 0.01187 | 0.99957 | | 0.99 | |
| Isopropylbenzene | 1.2767 | 3.157 | 11.72 | 0.02549 | | | 15 | |
| Methyl tert-Butyl Ether | 0.573096 | 5.477 | 3.76667 | 0.1377 | | | 15 | |
| Methylene Chloride | 0.291807 | 12.99 | 3.46 | 0.01641 | | | 15 | |
| Naphthalene | 0.763646 | 27.12 | 16.512 | 0.02526 | 0.99759 | | 0.99 | |
| n-Butylbenzene | 1.73562 | 10.12 | 14.4533 | 0.03262 | | | 15 | |
| n-Propylbenzene | 3.09758 | 5.401 | 12.375 | 0.04235 | | | 15 | |
| sec-Butylbenzene | 2.61228 | 6.641 | 13.5517 | 0.03305 | | | 15 | |
| Styrene | 0.870541 | 5.359 | 11.1667 | 0.07141 | | | 15 | |
| tert-Butylbenzene | 2.41731 | 3.065 | 13.1983 | 0.0263 | | | 15 | |
| Tertiary-amyl methyl ether | 0.791803 | 2.886 | 5.9 | 0.009245 | | | 15 | |
| Tetrachloroethene | 0.345818 | 2.663 | 8.915 | 0.06122 | | | 15 | |
| Tetrahydrofuran | 0.0429372 | 10.37 | 5.11833 | 0.1468 | | | 15 | |

INITIAL CALIBRATION DATA (Continued)

8260B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Calibration: 0608018

Instrument: VMS1

Matrix: Solid

Calibration Date: 08/08/06 09:45

| Compound | Mean RF | RF RSD | Mean RT | RT RSD | Linear r | Quad COD | LIMIT | Q |
|---------------------------|----------|--------|---------|---------|----------|----------|----------|---|
| Toluene | 0.734454 | 2.515 | 8.17167 | 0.05071 | | | CCC (30) | |
| trans-1,2-Dichloroethene | 0.30375 | 2.922 | 3.72167 | 0.1085 | | | 15 | |
| trans-1,3-Dichloropropene | 0.421575 | 8.333 | 8.49667 | 0.05952 | | | 15 | |
| Trichloroethene | 0.38192 | 5.378 | 6.50333 | 0.08005 | | | 15 | |
| Trichlorofluoromethane | 0.511848 | 4.042 | 2.44833 | 0.166 | | | 15 | |
| Vinyl Acetate | 1.00148 | 6.505 | 4.24667 | 0.1217 | | | 15 | |
| Vinyl Chloride | 0.291738 | 4.478 | 1.82333 | 0.2827 | | | CCC (30) | |
| Xylene O | 0.505008 | 3.479 | 11.1367 | 0.04659 | | | 15 | |
| Xylene P,M | 0.51878 | 2.813 | 10.5317 | 0.04212 | | | 15 | |
| 1,2-Dichloroethane-d4 | 0.233128 | 7.131 | 5.685 | 0.09779 | | | 15 | |
| 4-Bromofluorobenzene | 1.36478 | 8.798 | 11.9567 | 0.03761 | | | 15 | |
| Dibromofluoromethane | 0.463702 | 2.689 | 5.305 | 0.1041 | | | 15 | |
| Toluene-d8 | 1.12693 | 2.669 | 8.08 | 0.01405 | | | 15 | |

Response Factor Report VOA MASS

Method : C:\HPCHEM\1\METHODS\HI080806.M
 Title : Element ID: 0607032
 Last Update : Wed Aug 09 08:32:39 2006
 Response via : Initial Calibration

Calibration Files

25 =M1041654.D 10 =M1041655.D 2.5 =M1041656.D
 .5 =M1041657.D = 50 =M1041658.D

| Compound | 25 | 10 | 2.5 | .5 | 50 | ¹⁰⁰ 50 | Avg | %RSD |
|---------------------------|-------|-------|-------|-------|-------|---------------------------------|-------|-------|
| -----ISTD----- | | | | | | | | |
| 1) I Fluorobenzene | | | | | | | | |
| 2) Dichlorodifluoromet | 0.488 | 0.465 | 0.418 | 0.435 | 0.477 | 0.464 | 0.458 | 5.77 |
| 3) Chloromethane | 0.305 | 0.303 | 0.297 | 0.358 | 0.296 | 0.286 | 0.307 | 8.38 |
| 4) Vinyl Chloride | 0.308 | 0.297 | 0.278 | 0.276 | 0.303 | 0.288 | 0.292 | 4.48 |
| 5) Bromomethane | 0.223 | 0.215 | 0.224 | 0.272 | 0.222 | 0.219 | 0.229 | 9.35 |
| 6) Chloroethane | 0.109 | 0.106 | 0.095 | 0.093 | 0.109 | 0.105 | 0.103 | 6.75 |
| 7) Trichlorofluorometh | 0.532 | 0.520 | 0.475 | 0.503 | 0.525 | 0.516 | 0.512 | 4.04 |
| 8) Diethyl ether | 0.188 | 0.185 | 0.166 | 0.189 | 0.185 | 0.180 | 0.182 | 4.63 |
| 9) Acrolein | 0.022 | 0.023 | 0.025 | | 0.022 | 0.021 | 0.023 | 5.91 |
| 10) 1,1,2-Trichloro-1,2 | 0.528 | 0.525 | 0.481 | 0.526 | 0.516 | 0.495 | 0.512 | 3.77 |
| 11) Acetone | 0.010 | 0.010 | 0.011 | 0.010 | 0.009 | 0.495 | 0.010 | 5.66 |
| 12) Iodomethane | 0.552 | 0.546 | 0.536 | 0.541 | 0.509 | 0.495 | 0.537 | 3.10 |
| 13) Carbon Disulfide | 0.756 | 0.738 | 0.665 | 0.694 | 0.753 | 0.733 | 0.723 | 4.98 |
| 14) M 1,1-Dichloroethene | 0.273 | 0.270 | 0.252 | 0.268 | 0.264 | 0.255 | 0.263 | 3.24 |
| 15) Allyl Chloride | 0.496 | 0.514 | 0.483 | 0.511 | 0.511 | 0.491 | 0.501 | 2.56 |
| 16) Methyl Acetate | 0.140 | 0.146 | 0.179 | 0.136 | 0.134 | 0.491 | 0.147 | 12.40 |
| 17) Methylene Chloride | 0.281 | 0.280 | 0.275 | 0.369 | 0.278 | 0.268 | 0.292 | 12.99 |
| 18) Methyl tert-Butyl E | 0.577 | 0.582 | 0.541 | 0.628 | 0.564 | 0.547 | 0.573 | 5.48 |
| 19) Acrylonitrile | 0.045 | 0.045 | 0.041 | 0.036 | 0.044 | 0.043 | 0.042 | 7.84 |
| 20) trans-1,2-Dichloroe | 0.314 | 0.309 | 0.290 | 0.301 | 0.310 | 0.299 | 0.304 | 2.92 |
| 21) 1,1-Dichloroethane | 0.544 | 0.533 | 0.497 | 0.521 | 0.540 | 0.520 | 0.526 | 3.30 |
| 22) Vinyl Acetate | 1.005 | 1.011 | 0.966 | 1.122 | 0.971 | 0.935 | 1.001 | 6.51 |
| 23) Chloroprene | 0.370 | 0.364 | 0.334 | 0.341 | 0.367 | 0.355 | 0.355 | 4.16 |
| 24) Di-isopropyl ether | 1.215 | 1.223 | 1.158 | 1.298 | 1.186 | 1.130 | 1.202 | 4.88 |
| 25) Ethyl tertiary-buty | 0.905 | 0.901 | 0.836 | 0.858 | 0.888 | 0.865 | 0.876 | 3.09 |
| 26) 2-Butanone | 0.013 | 0.014 | 0.012 | 0.015 | 0.013 | 0.013 | 0.013 | 7.93 |
| 27) cis-1,2 Dichloroeth | 0.299 | 0.294 | 0.276 | 0.293 | 0.296 | 0.284 | 0.290 | 2.97 |
| 28) 2,2-Dichloropropane | 0.416 | 0.410 | 0.368 | 0.528 | 0.381 | 0.366 | 0.411 | 14.77 |
| 29) Methyl Acrylate | 0.163 | 0.164 | 0.152 | 0.200 | 0.160 | 0.157 | 0.166 | 10.39 |
| 30) Bromochloromethane | 0.157 | 0.155 | 0.144 | 0.162 | 0.155 | 0.151 | 0.154 | 3.91 |
| 31) Methacrylonitrile | 0.100 | 0.101 | 0.117 | 0.078 | 0.100 | 0.098 | 0.099 | 12.55 |
| 32) Tetrahydrofuran | 0.041 | 0.045 | 0.051 | 0.041 | 0.040 | 0.039 | 0.043 | 10.37 |
| 33) Chloroform | 0.527 | 0.527 | 0.500 | 0.534 | 0.523 | 0.508 | 0.520 | 2.48 |
| 34) S Dibromofluoromethan | 0.470 | 0.469 | 0.443 | 0.478 | 0.467 | 0.455 | 0.464 | 2.69 |
| 35) 1,1,1-Trichloroetha | 0.437 | 0.429 | 0.391 | 0.419 | 0.435 | 0.425 | 0.423 | 4.01 |
| 36) Cyclohexane | 0.317 | 0.306 | 0.319 | 0.322 | 0.314 | 0.269 | 0.308 | 6.49 |
| 37) 1-Chlorobutane | 0.568 | 0.531 | 0.503 | 0.515 | 0.555 | 0.531 | 0.534 | 4.55 |
| 38) 1,1-Dichloropropene | 0.376 | 0.378 | 0.340 | 0.370 | 0.373 | 0.362 | 0.366 | 3.85 |
| 39) Carbon Tetrachlorid | 0.373 | 0.366 | 0.328 | 0.341 | 0.378 | 0.374 | 0.360 | 5.73 |
| 40) M Benzene | 0.949 | 0.912 | 0.878 | 1.009 | 0.929 | 0.859 | 0.923 | 5.80 |
| 41) S 1,2-Dichloroethane- | 0.241 | 0.228 | 0.212 | 0.260 | 0.234 | 0.223 | 0.233 | 7.13 |
| 42) 1,2-Dichloroethane | 0.283 | 0.280 | 0.256 | 0.285 | 0.275 | 0.267 | 0.274 | 4.08 |
| 43) Tertiary-amyl methy | 0.791 | 0.812 | 0.760 | 0.821 | 0.795 | 0.773 | 0.792 | 2.89 |

(#) = Out of Range ### Number of calibration levels exceeded format ###
 HI080806.M Wed Aug 09 10:35:37 2006 Page 1

Response Factor Report VOA MASS

Method : C:\HPCHEM\1\METHODS\HI080806.M
 Title : Element ID: 0607032
 Last Update : Wed Aug 09 08:32:39 2006
 Response via : Initial Calibration

Calibration Files

25 =M1041654.D 10 =M1041655.D 2.5 =M1041656.D
 .5 =M1041657.D = 50 =M1041658.D

| Compound | 25 | 10 | 2.5 | .5 | 50 | 100 | Avg | %RSD |
|-----------------------------|----------------|-------|-------|-------|-------|-------|-------|-------|
| 44) M Trichloroethene | 0.384 | 0.382 | 0.353 | 0.416 | 0.383 | 0.373 | 0.382 | 5.38 |
| 45) Methyl Cyclohexane | 0.356 | 0.347 | 0.315 | 0.350 | 0.356 | 0.343 | 0.345 | 4.47 |
| 46) 1,2-Dichloropropane | 0.366 | 0.361 | 0.339 | 0.372 | 0.363 | 0.350 | 0.358 | 3.31 |
| 47) Dibromomethane | 0.237 | 0.234 | 0.215 | 0.214 | 0.233 | 0.229 | 0.227 | 4.43 |
| 48) Methyl Methacrylate | 0.223 | 0.222 | 0.223 | 0.238 | 0.220 | 0.216 | 0.224 | 3.46 |
| 49) 1,4-Dioxane | 0.001 | 0.003 | 0.004 | 0.006 | 0.001 | 0.001 | 0.003 | 80.48 |
| 50) Bromodichloromethan | 0.540 | 0.525 | 0.452 | 0.453 | 0.538 | 0.532 | 0.507 | 8.38 |
| 51) 2-Nitropropane | 0.041 | 0.046 | 0.031 | 0.039 | 0.044 | 0.041 | 0.040 | 12.87 |
| 52) 2-Chloroethyl vinyl | 0.108 | 0.106 | 0.091 | 0.095 | 0.110 | 0.108 | 0.103 | 7.86 |
| 53) 4-Methyl-2-Pentanon | 0.086 | 0.088 | 0.080 | 0.083 | 0.084 | 0.082 | 0.084 | 3.25 |
| 54) cis-1,3-Dichloropro | 0.507 | 0.496 | 0.424 | 0.396 | 0.499 | 0.490 | 0.469 | 9.96 |
| 55) Toluene | 0.638 | 0.630 | 0.595 | 0.638 | 0.629 | 0.605 | 0.622 | 2.90 |
| 56) trans-1,3-Dichlorop | 0.381 | 0.372 | 0.317 | 0.321 | 0.378 | 0.373 | 0.357 | 8.26 |
| 57) 1,1,2-Trichloroetha | 0.225 | 0.223 | 0.209 | 0.204 | 0.222 | 0.215 | 0.216 | 3.93 |
| 58) I Chlorobenzene-d5 | -----ISTD----- | | | | | | | |
| 59) S Toluene-d8 (SURR) | 1.155 | 1.145 | 1.080 | 1.150 | 1.129 | 1.102 | 1.127 | 2.67 |
| 60) 2-Hexanone | 0.159 | 0.164 | 0.156 | 0.164 | 0.155 | 0.155 | 0.159 | 2.82 |
| 61) Ethyl Methacrylate | 0.438 | 0.437 | 0.395 | 0.385 | 0.429 | 0.421 | 0.418 | 5.40 |
| 62) 1,3-Dichloropropane | 0.505 | 0.504 | 0.465 | 0.455 | 0.493 | 0.486 | 0.485 | 4.27 |
| 63) Tetrachloroethene | 0.356 | 0.353 | 0.337 | 0.336 | 0.353 | 0.340 | 0.346 | 2.66 |
| 64) Dibromochloromethan | 0.427 | 0.407 | 0.338 | 0.319 | 0.427 | 0.428 | 0.391 | 12.60 |
| 65) 1,2-Dibromoethane | 0.399 | 0.389 | 0.352 | 0.332 | 0.391 | 0.387 | 0.375 | 7.10 |
| 66) 1-Chlorohexane | 0.476 | 0.466 | 0.454 | 0.568 | 0.466 | 0.453 | 0.481 | 9.04 |
| 67) M Chlorobenzene | 0.870 | 0.867 | 0.802 | 0.836 | 0.852 | 0.835 | 0.844 | 2.99 |
| 68) 1,1,1,2-Tetrachloro | 0.369 | 0.354 | 0.307 | 0.307 | 0.363 | 0.365 | 0.344 | 8.46 |
| 69) Ethylbenzene | 1.350 | 1.345 | 1.245 | 1.388 | 1.313 | 1.276 | 1.319 | 3.97 |
| 70) Xylene P,M | 0.536 | 0.533 | 0.497 | 0.511 | 0.523 | 0.512 | 0.519 | 2.81 |
| 71) Xylene O | 0.522 | 0.523 | 0.482 | 0.488 | 0.515 | 0.501 | 0.505 | 3.48 |
| 72) Styrene | 0.917 | 0.906 | 0.819 | 0.807 | 0.899 | 0.874 | 0.871 | 5.36 |
| 73) Bromoform | 0.272 | 0.250 | 0.199 | 0.094 | 0.272 | 0.279 | 0.228 | 31.44 |
| 74) cis1,4-Dichloro-2-b | 0.062 | 0.056 | 0.048 | 0.067 | 0.070 | 0.279 | 0.061 | 14.32 |
| 75) S Bromofluorobenzene | 0.635 | 0.635 | 0.620 | 0.729 | 0.618 | 0.600 | 0.640 | 7.18 |
| 76) I 1,4 Dichlorobenzene-D | -----ISTD----- | | | | | | | |
| 77) Isopropylbenzene | 2.781 | 2.773 | 2.596 | 2.725 | 2.751 | 2.700 | 2.721 | 2.50 |
| 78) Trans-1,4-Dichloro- | 0.166 | 0.156 | 0.130 | 0.166 | 0.160 | 2.700 | 0.156 | 9.66 |
| 79) 1,2,3-Trichloroprop | 0.699 | 0.714 | 0.683 | 0.734 | 0.682 | 0.690 | 0.700 | 2.93 |
| 80) Bromobenzene | 0.773 | 0.760 | 0.698 | 0.758 | 0.764 | 0.754 | 0.751 | 3.59 |
| 81) 1,1,2,2-Tetrachloro | 0.816 | 0.836 | 0.780 | 0.888 | 0.792 | 0.772 | 0.814 | 5.34 |
| 82) n-Propylbenzene | 3.120 | 3.142 | 2.913 | 3.389 | 3.052 | 2.970 | 3.098 | 5.40 |
| 83) 2-Chlorotoluene | 2.098 | 2.262 | 2.073 | 2.340 | 2.125 | 2.083 | 2.163 | 5.12 |
| 84) 4-Chlorotoluene | 2.355 | 2.378 | 2.128 | 2.638 | 2.305 | 2.220 | 2.337 | 7.44 |
| 85) 1,3,5-Trimethylbenz | 2.083 | 2.098 | 2.002 | 2.189 | 2.057 | 2.002 | 2.072 | 3.37 |

Response Factor Report VOA MASS

Method : C:\HPCHEM\1\METHODS\HI080806.M
 Title : Element ID: 0607032
 Last Update : Wed Aug 09 08:32:39 2006
 Response via : Initial Calibration

Calibration Files

25 =M1041654.D 10 =M1041655.D 2.5 =M1041656.D
 .5 =M1041657.D = 50 =M1041658.D

| Compound | 25 | 10 | 2.5 | .5 | 50 | ¹⁰⁰ 50 ₂₅ | 8/9/06 Avg | %RSD |
|--------------------------|-------|-------|-------|-------|-------|------------------------------------|---------------|-------|
| 86) tert-Butylbenzene | 2.447 | 2.456 | 2.291 | 2.507 | 2.419 | 2.384 | 2.417 | 3.07 |
| 87) Pentachloroethane | 2.447 | 2.456 | 2.291 | 2.507 | 2.419 | 2.384 | 2.417 | 3.07 |
| 88) 1,2,4-Trimethylbenz | 2.109 | 2.155 | 2.060 | 2.299 | 2.087 | 2.019 | 2.121 | 4.64 |
| 89) sec-Butylbenzene | 2.555 | 2.590 | 2.516 | 2.960 | 2.552 | 2.500 | 2.612 | 6.64 |
| 90) 1,3 Dichlorobenzene | 1.225 | 1.209 | 1.135 | 1.266 | 1.214 | 1.202 | 1.208 | 3.52 |
| 91) 4-Isopropyltoluene | 1.912 | 1.948 | 1.869 | 2.145 | 1.911 | 1.878 | 1.944 | 5.26 |
| 92) 1,4 Dichlorobenzene | 1.279 | 1.284 | 1.249 | 1.376 | 1.272 | 1.258 | 1.286 | 3.58 |
| 93) n-Butylbenzene | 1.664 | 1.702 | 1.695 | 2.088 | 1.652 | 1.612 | 1.736 | 10.12 |
| 94) 1,2 Dichlorobenzene | 1.050 | 1.057 | 1.004 | 1.093 | 1.043 | 1.042 | 1.048 | 2.75 |
| 95) Hexachloroethane | 0.511 | 0.487 | 0.421 | 0.452 | 0.526 | 0.541 | 0.490 | 9.39 |
| 96) 1,2-Dibromo-3-Chlor | 0.089 | 0.098 | 0.102 | 0.071 | 0.091 | 0.097 | 0.091 | 12.26 |
| 97) 1,2,4-Trichlorobenz | 0.479 | 0.568 | 0.654 | 0.763 | 0.490 | 0.512 | 0.578 | 19.28 |
| 98) Hexachlorobutadiene | 0.275 | 0.341 | 0.410 | 0.652 | 0.277 | 0.283 | 0.373 | 39.20 |
| 99) Naphthalene | 0.605 | 0.829 | 1.098 | 1.327 | 0.614 | 0.673 | 0.858 | 34.45 |
| 100) 1,2,3-Trichlorobenz | 0.298 | 0.495 | 0.618 | 0.883 | 0.297 | 0.343 | 0.489 | 47.21 |

(#) = Out of Range ### Number of calibration levels exceeded format
 HI080806.M Wed Aug 09 10:35:47 2006

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041654.D Vial: 2
 Acq On : 8 Aug 106 11:31 am Operator: RES
 Sample : BPH0094-CAL1 Inst : VOA MASS
 Misc : Multiplr: 1.00
 Quant Time: Aug 9 7:34 19106

Method : C:\HPCHEM\1\METHODS\HI072006.M
 Title : Element ID: 0607032
 Last Update : Thu Jul 20 12:57:20 2006
 Response via : Multiple Level Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|----------------------------|-------|------|----------|-------|-------|-----------|
| 1) Fluorobenzene | 6.06 | 96 | 4675157 | 25.00 | ug/l | 0.01 |
| 58) Chlorobenzene-d5 | 10.13 | 117 | 3945209 | 25.00 | ug/l | 0.02 |
| 76) 1,4 Dichlorobenzene-D4 | 13.82 | 152 | 1871064 | 25.00 | ug/l | 0.02 |

| System Monitoring Compounds | R.T. | QIon | Response | Conc | Units | %Recovery |
|----------------------------------|-------|------|----------|-------|-------|-----------|
| 34) Dibromofluoromethane (SURR) | 5.31 | 111 | 2199490 | 26.68 | ug/l | 106.72% |
| 41) 1,2-Dichloroethane-d4 (SURR) | 5.68 | 65 | 1125641 | 27.94 | ug/l | 111.74% |
| 59) Toluene-d8 (SURR) | 8.08 | 98 | 4557394 | 24.14 | ug/l | 96.57% |
| 75) Bromofluorobenzene (SURR) | 11.96 | 95 | 2504615 | 23.83 | ug/l | 95.31% |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|--------------------------------|------|------|----------|--------|-------|--------|
| 2) Dichlorodifluoromethane | 1.54 | 85 | 2283593 | 36.45 | ug/l | 100 |
| 3) Chloromethane | 1.73 | 50 | 1425414 | 31.66 | ug/l | 98 |
| 4) Vinyl Chloride | 1.82 | 62 | 1437621 | 33.31 | ug/l | 98 |
| 5) Bromomethane | 2.14 | 94 | 1041095 | 30.44 | ug/l | 97 |
| 6) Chloroethane | 2.22 | 64 | 508056 | 30.83 | ug/l | 99 |
| 7) Trichlorofluoromethane | 2.45 | 101 | 2485337 | 29.83 | ug/l | 100 |
| 8) Diethyl ether | 2.79 | 59 | 879327 | 29.56 | ug/l | 98 |
| 9) Acrolein | 2.92 | 56 | 104260 | 26.58 | ug/l | 100 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.96 | 101 | 2467182 | 28.54 | ug/l | 100 |
| 11) Acetone | 3.10 | 58 | 224189 | 145.96 | ug/l | # 84 |
| 12) Iodomethane | 3.11 | 142 | 2582689 | 28.71 | ug/l | 99 |
| 13) Carbon Disulfide | 3.16 | 76 | 3533537 | 28.02 | ug/l | 99 |
| 14) 1,1-Dichloroethene | 2.96 | 96 | 1275582 | 27.77 | ug/l | 99 |
| 15) Allyl Chloride | 3.33 | 41 | 2318986 | 28.03 | ug/l | 100 |
| 16) Methyl Acetate | 3.40 | 43 | 654661 | 29.37 | ug/l | 89 |
| 17) Methylene Chloride | 3.46 | 84 | 1313033 | 27.36 | ug/l | 99 |
| 18) Methyl tert-Butyl Ether | 3.77 | 73 | 2696585 | 28.99 | ug/l | 100 |
| 19) Acrylonitrile | 3.75 | 53 | 208592 | 29.55 | ug/l | 95 |
| 20) trans-1,2-Dichloroethene | 3.72 | 96 | 1468006 | 28.28 | ug/l | 97 |
| 21) 1,1-Dichloroethane | 4.16 | 63 | 2544378 | 28.84 | ug/l | 99 |
| 22) Vinyl Acetate | 4.25 | 43 | 4696866 | 29.32 | ug/l | 98 |
| 23) Chloroprene | 4.24 | 53 | 1729471 | 28.49 | ug/l | 95 |
| 24) Di-isopropyl ether | 4.26 | 45 | 5678470 | 29.51 | ug/l | 99 |
| 25) Ethyl tertiary-butyl ether | 4.64 | 59 | 4232131 | 29.50 | ug/l | 98 |
| 26) 2-Butanone | 4.84 | 72 | 311421 | 146.28 | ug/l | 99 |
| 27) cis-1,2 Dichloroethene | 4.78 | 96 | 1398323 | 27.97 | ug/l | 99 |
| 28) 2,2-Dichloropropane | 4.76 | 77 | 1942967 | 27.23 | ug/l | 97 |
| 29) Methyl Acrylate | 4.93 | 55 | 763910 | 29.14 | ug/l | 99 |
| 30) Bromochloromethane | 5.04 | 128 | 734745 | 28.82 | ug/l | 98 |
| 31) Methacrylonitrile | 5.07 | 41 | 467540 | 29.44 | ug/l | 96 |
| 32) Tetrahydrofuran | 5.13 | 42 | 193251 | 30.26 | ug/l | 89 |
| 33) Chloroform | 5.13 | 83 | 2462719 | 27.73 | ug/l | 99 |
| 35) 1,1,1-Trichloroethane | 5.31 | 97 | 2044749 | 26.97 | ug/l | 98 |

(#) = qualifier out of range (m) = manual integration
 M1041654.D HI072006.M Wed Aug 09 07:37:24 2006

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041654.D
 Acq On : 8 Aug 106 11:31 am
 Sample : BPH0094-CAL1
 Misc :
 Quant Time: Aug 9 7:34 19106

Vial: 2
 Operator: RES
 Inst : VOA MASS
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\HI072006.M
 Title : Element ID: 0607032
 Last Update : Thu Jul 20 12:57:20 2006
 Response via : Multiple Level Calibration

XRES 8/9/06

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|--------|------|--------|
| 36) Cyclohexane | 5.36 | 56 | 1481400 | 31.32 | ug/l | 99 |
| 37) 1-Chlorobutane | 5.43 | 56 | 2655594 | 29.92 | ug/l | 98 |
| 38) 1,1-Dichloropropene | 5.49 | 75 | 1756936 | 28.36 | ug/l | 99 |
| 39) Carbon Tetrachloride | 5.49 | 117 | 1741899 | 28.04 | ug/l | 99 |
| 40) Benzene | 5.73 | 78 | 4437401 | 29.76 | ug/l | 100 |
| 42) 1,2-Dichloroethane | 5.77 | 62 | 1322242 | 29.01 | ug/l | 96 |
| 43) Tertiary-amyl methyl ether | 5.90 | 73 | 3698819 | 28.41 | ug/l | 99 |
| 44) Trichloroethene | 6.50 | 95 | 1795006 | 27.70 | ug/l | 96 |
| 45) Methyl Cyclohexane | 6.73 | 83 | 1663546 | 27.40 | ug/l | 97 |
| 46) 1,2-Dichloropropane | 6.80 | 63 | 1709577 | 29.02 | ug/l | 100 |
| 47) Dibromomethane | 6.94 | 93 | 1105702 | 28.68 | ug/l | 99 |
| 48) Methyl Methacrylate | 6.97 | 41 | 1042240 | 28.69 | ug/l | 100 |
| 49) 1,4-Dioxane | 7.02 | 88 | 83255 | 137.02 | ug/l | 96 |
| 50) Bromodichloromethane | 7.15 | 83 | 2524792 | 28.35 | ug/l | 100 |
| 51) 2-Nitropropane | 7.50 | 43 | 190592 | 26.58 | ug/l | 37 |
| 52) 2-Chloroethyl vinyl ether | 7.56 | 63 | 2532118 | 111.40 | ug/l | 100 |
| 53) 4-Methyl-2-Pentanone | 7.98 | 58 | 2010120 | 148.40 | ug/l | 100 |
| 54) cis-1,3-Dichloropropene | 7.73 | 75 | 2368983 | 28.81 | ug/l | 99 |
| 55) Toluene | 8.17 | 92 | 2981620 | 27.98 | ug/l | 99 |
| 56) trans-1,3-Dichloropropene | 8.50 | 75 | 1779902 | 28.33 | ug/l | 100 |
| 57) 1,1,2-Trichloroethane | 8.75 | 83 | 1053026 | 28.13 | ug/l | 98 |
| 60) 2-Hexanone | 9.14 | 43 | 3132167 | 131.98 | ug/l | 98 |
| 61) Ethyl Methacrylate | 8.65 | 69 | 1727975 | 25.16 | ug/l | 99 |
| 62) 1,3-Dichloropropane | 8.98 | 76 | 1993336 | 25.38 | ug/l | 99 |
| 63) Tetrachloroethene | 8.91 | 164 | 1405171 | 24.70 | ug/l | 95 |
| 64) Dibromochloromethane | 9.30 | 129 | 1683407 | 25.57 | ug/l | 97 |
| 65) 1,2-Dibromoethane | 9.45 | 107 | 1574116 | 25.87 | ug/l | 99 |
| 66) 1-Chlorohexane | 10.16 | 91 | 1876554 | 23.91 | ug/l | 99 |
| 67) Chlorobenzene | 10.17 | 112 | 3432141 | 25.23 | ug/l | 98 |
| 68) 1,1,1,2-Tetrachloroethane | 10.30 | 131 | 1454691 | 25.13 | ug/l | 96 |
| 69) Ethylbenzene | 10.35 | 91 | 5327028 | 24.79 | ug/l | 99 |
| 70) Xylene P,M | 10.53 | 106 | 4227681 | 49.83 | ug/l | 99 |
| 71) Xylene O | 11.13 | 106 | 2060279 | 25.33 | ug/l | 98 |
| 72) Styrene | 11.16 | 104 | 3615958 | 25.26 | ug/l | 97 |
| 73) Bromoform | 11.45 | 173 | 1071285 | 23.95 | ug/l | 93 |
| 74) cis-1,4-Dichloro-2-butene | 11.85 | 75 | 245076 | 22.85 | ug/l | 98 |
| 77) Isopropylbenzene | 11.72 | 105 | 5202795 | 24.50 | ug/l | 100 |
| 78) Trans-1,4-Dichloro-2-Buten | 12.33 | 53 | 310256 | 24.95 | ug/l | # 81 |
| 79) 1,2,3-Trichloropropane | 12.29 | 75 | 1307946 | 24.20 | ug/l | 98 |
| 80) Bromobenzene | 12.18 | 156 | 1447147 | 24.94 | ug/l | 98 |
| 81) 1,1,2,2-Tetrachloroethane | 12.23 | 83 | 1526776 | 24.75 | ug/l | 97 |
| 82) n-Propylbenzene | 12.38 | 91 | 5836954 | 24.15 | ug/l | 99 |
| 83) 2-Chlorotoluene | 12.49 | 91 | 3924771 | 24.58 | ug/l | 97 |
| 84) 4-Chlorotoluene | 12.68 | 91 | 4407127 | 24.16 | ug/l | 98 |

m mix

m mix

(#) = qualifier out of range (m) = manual integration
 M1041654.D HI072006.M Wed Aug 09 07:37:26 2006

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041654.D Vial: 2
 Acq On : 8 Aug 106 11:31 am Operator: RES
 Sample : BPH0094-CAL1 Inst : VOA MASS
 Misc : Multiplr: 1.00
 Quant Time: Aug 9 7:34 19106

Method : C:\HPCHEM\1\METHODS\HI072006.M
 Title : Element ID: 0607032
 Last Update : Thu Jul 20 12:57:20 2006
 Response via : Multiple Level Calibration

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|-------|------|--------|
| 85) 1,3,5-Trimethylbenzene | 12.67 | 105 | 3897337 | 23.99 | ug/l | 99 |
| 86) tert-Butylbenzene | 13.20 | 119 | 4578533 | 24.00 | ug/l | 100 |
| 87) Pentachloroethane | 13.20 | 119 | 4578533 | 24.00 | ug/l | 97 |
| 88) 1,2,4-Trimethylbenzene | 13.27 | 105 | 3945213 | 23.82 | ug/l | 99 |
| 89) sec-Butylbenzene | 13.55 | 105 | 4780013 | 23.27 | ug/l | 98 |
| 90) 1,3 Dichlorobenzene | 13.70 | 146 | 2291989 | 23.58 | ug/l | 99 |
| 91) 4-Isopropyltoluene | 13.80 | 119 | 3578271 | 23.45 | ug/l | 99 |
| 92) 1,4 Dichlorobenzene | 13.86 | 146 | 2393923 | 23.11 | ug/l | 97 |
| 93) n-Butylbenzene | 14.45 | 91 | 3113025 | 22.59 | ug/l | 98 |
| 94) 1,2 Dichlorobenzene | 14.44 | 146 | 1964347 | 23.22 | ug/l | 96 |
| 95) Hexachloroethane | 14.78 | 117 | 955961 | 25.11 | ug/l | 97 |
| 96) 1,2-Dibromo-3-Chloropropan | 15.43 | 75 | 166561 | 21.32 | ug/l | 90 |
| 97) 1,2,4-Trichlorobenzene | 16.26 | 180 | 895783 | 18.96 | ug/l | 100 |
| 98) Hexachlorobutadiene | 16.44 | 225 | 514148 | 20.14 | ug/l | 95 |
| 99) Naphthalene | 16.51 | 128 | 1131372 | 19.37 | ug/l | 100 |
| 100) 1,2,3-Trichlorobenzene | 16.76 | 180 | 558397 | 17.55 | ug/l | 99 |

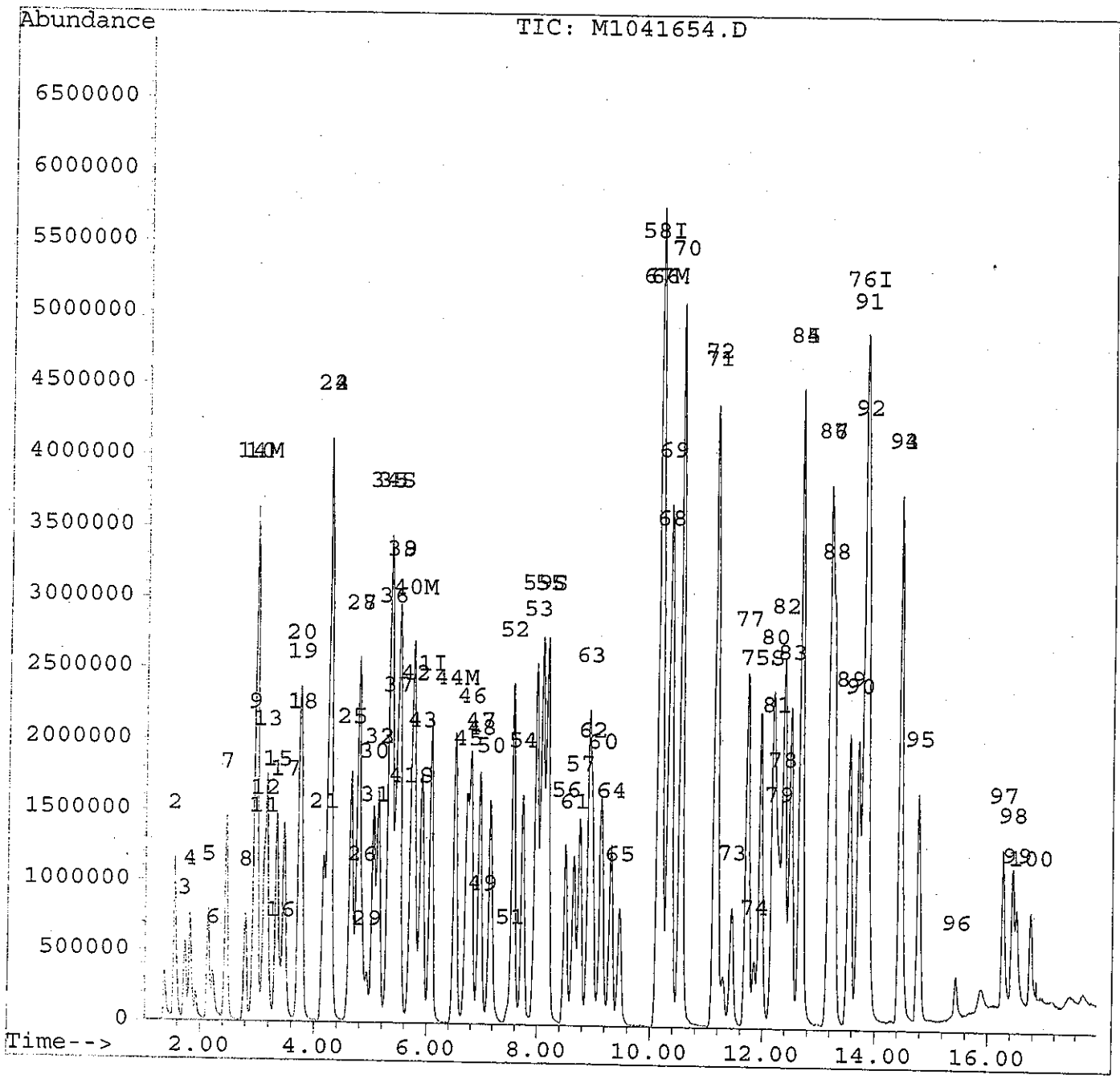
(#) = qualifier out of range (m) = manual integration
 M1041654.D HI072006.M Wed Aug 09 07:37:27 2006

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041654.D
Acq On : 8 Aug 106 11:31 am
Sample : BPH0094-CAL1
Misc :
Quant Time: Aug 9 7:34 19106

Vial: 2
Operator: RES
Inst : VOA MASS
Multiplr: 1.00

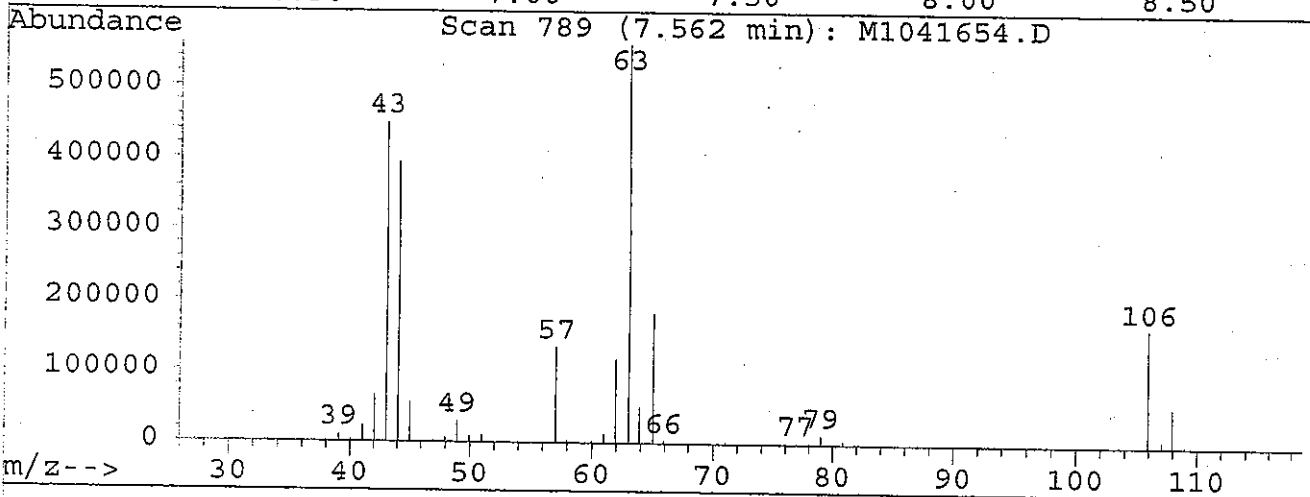
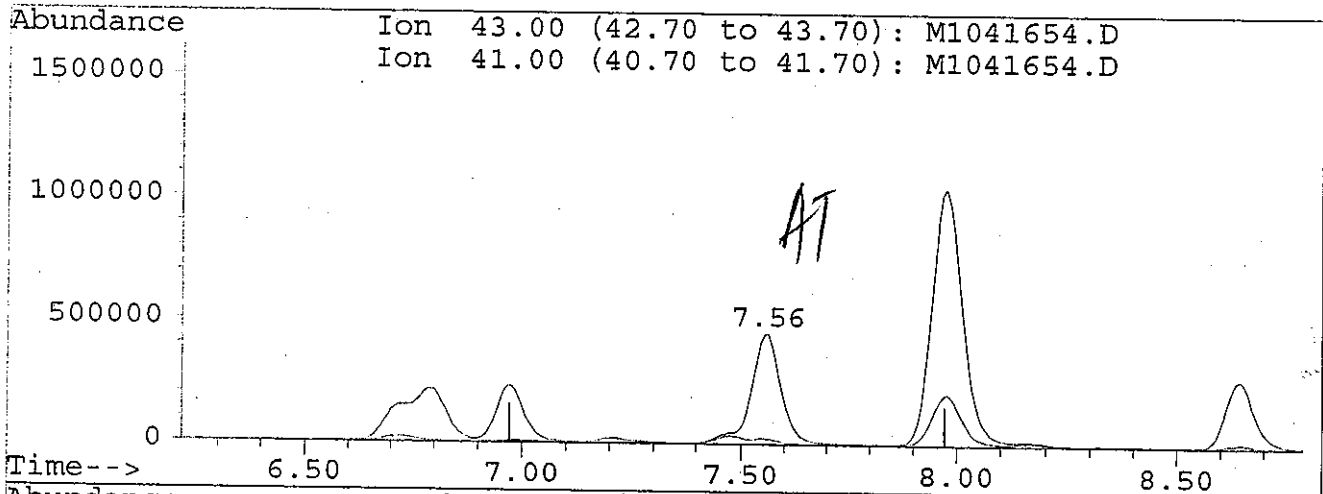
Method : C:\HPCHEM\1\METHODS\HI072006.M
Title : Element ID: 0607032
Last Update : Thu Jul 20 12:57:20 2006
Response via : Multiple Level Calibration



Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041654.D Vial: 2
 Acq On : 8 Aug 106 11:31 am Operator: RES
 Sample : BPH0094-CAL1 Inst : VOA MASS
 Misc : Multiplr: 1.00
 Quant Time: Aug 8 11:49 19106

Method : C:\HPCHEM\1\METHODS\HI072006.M
 Title : Element ID: 0607032
 Last Update : Thu Jul 20 12:57:20 2006
 Response via : Multiple Level Calibration



TIC: M1041654.D

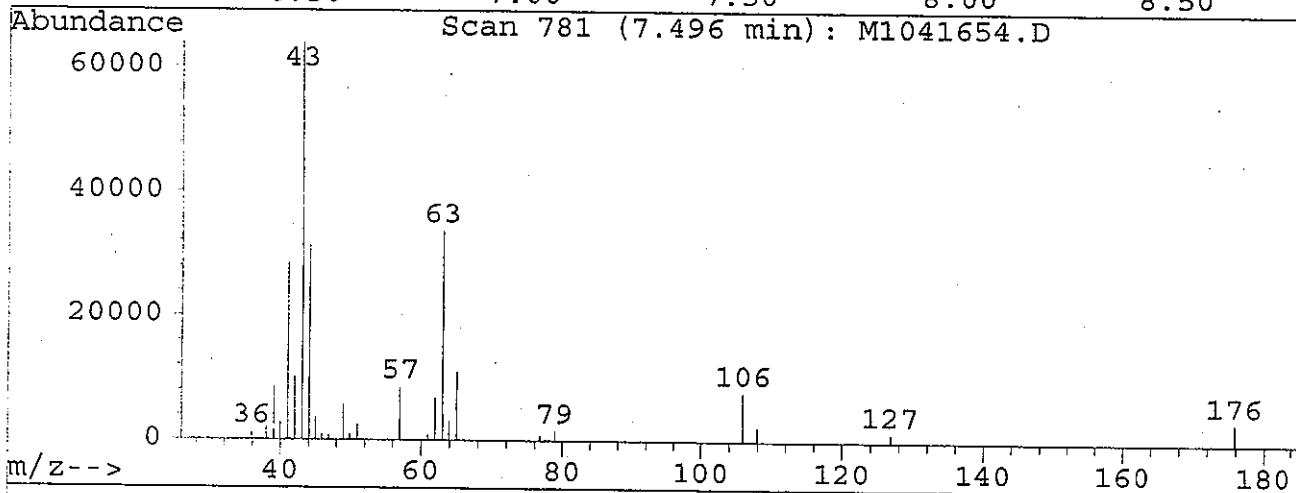
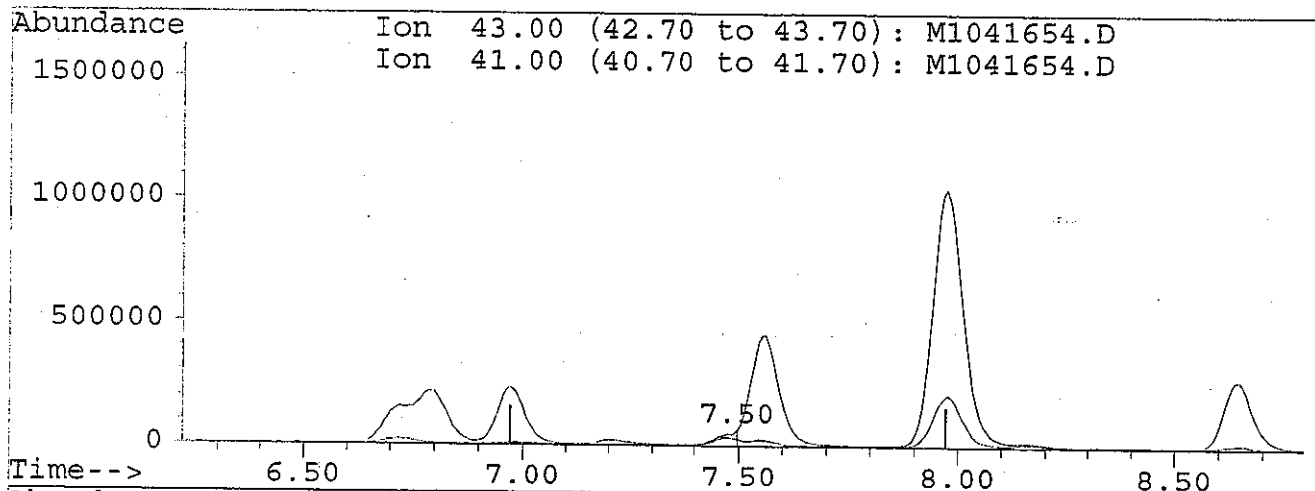
(51) 2-Nitropropane
 7.56min 310.70ug/l
 response 2227799

| Ion | Exp% | Act% |
|-------|-------|-------|
| 43.00 | 100 | 100 |
| 41.00 | 48.00 | 5.17# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041654.D Vial: 2
 Acq On : 8 Aug 106 11:31 am Operator: RES
 Sample : BPH0094-CAL1 Inst : VOA MASS
 Misc : Multiplr: 1.00
 Quant Time: Aug 9 7:34 19106

Method : C:\HPCHEM\1\METHODS\HI072006.M
 Title : Element ID: 0607032
 Last Update : Thu Jul 20 12:57:20 2006
 Response via : Multiple Level Calibration



TIC: M1041654.D

(51) 2-Nitropropane
 7.50min 26.58ug/l m
 response 190592

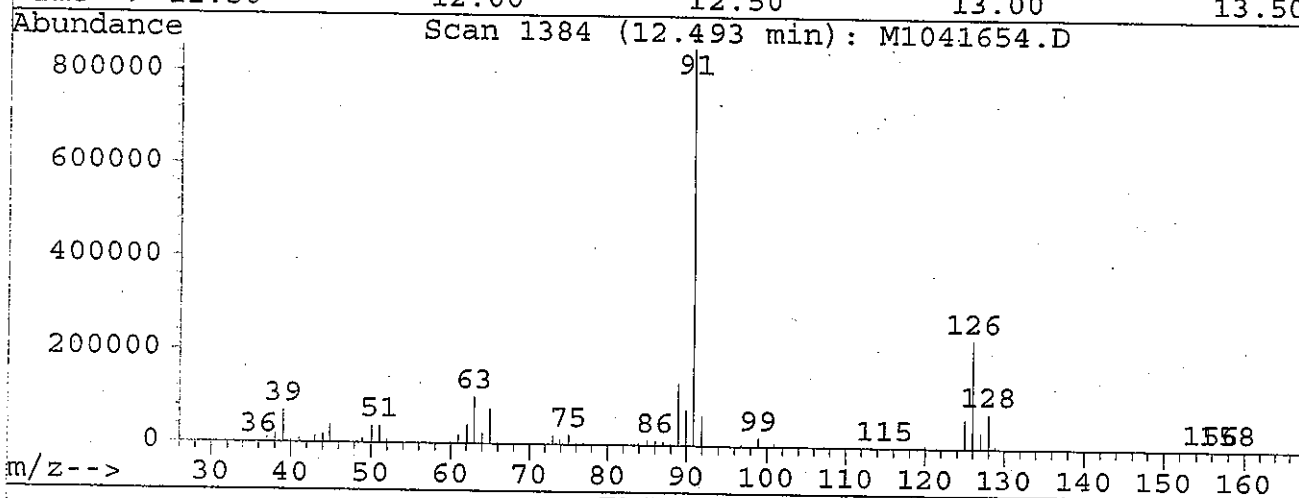
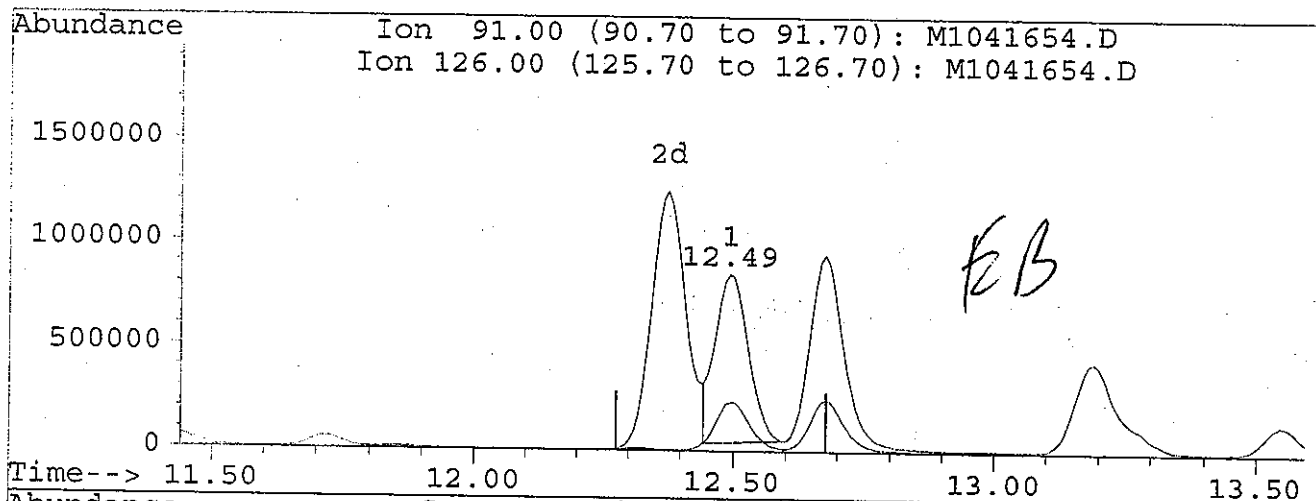
| Ion | Exp% | Act% |
|-------|-------|-------|
| 43.00 | 100 | 100 |
| 41.00 | 48.00 | 45.05 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041654.D
 Acq On : 8 Aug 106 11:31 am
 Sample : BPH0094-CAL1
 Misc :
 Quant Time: Aug 9 7:34 19106

Vial: 2
 Operator: RES
 Inst : VOA MASS
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\HI072006.M
 Title : Element ID: 0607032
 Last Update : Thu Jul 20 12:57:20 2006
 Response via : Multiple Level Calibration



TIC: M1041654.D

(83) 2-Chlorotoluene
 12.49min 22.16ug/l
 response 3537372

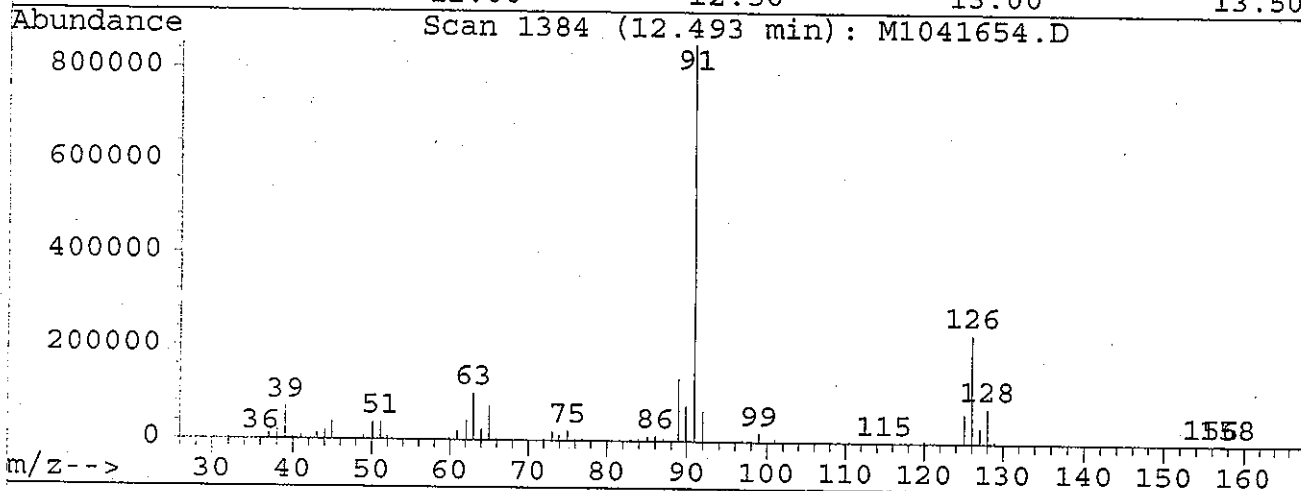
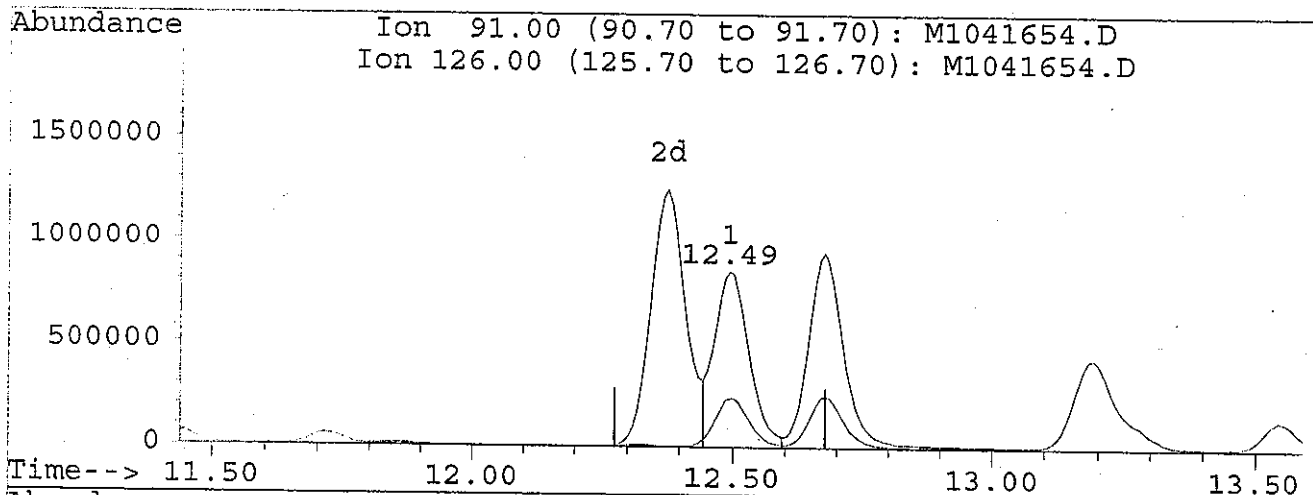
| Ion | Exp% | Act% |
|--------|-------|-------|
| 91.00 | 100 | 100 |
| 126.00 | 28.80 | 27.39 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041654.D
 Acq On : 8 Aug 106 11:31 am
 Sample : BPH0094-CAL1
 Misc :
 Quant Time: Aug 9 7:34 19106

Vial: 2
 Operator: RES
 Inst : VOA MASS
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\HI072006.M
 Title : Element ID: 0607032
 Last Update : Thu Jul 20 12:57:20 2006
 Response via : Multiple Level Calibration



TIC: M1041654.D

(83) 2-Chlorotoluene
 12.49min 24.58ug/l m
 response 3924771

| Ion | Exp% | Act% |
|--------|-------|-------|
| 91.00 | 100 | 100 |
| 126.00 | 28.80 | 27.39 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041655.D Vial: 3
 Acq On : 8 Aug 106 11:58 am Operator: RES
 Sample : BPH0094-CAL2 Inst : VOA MASS
 Misc : Multiplr: 1.00
 Quant Time: Aug 9 7:39 19106

Method : C:\HPCHEM\1\METHODS\HI072006.M
 Title : Element ID: 0607032
 Last Update : Thu Jul 20 12:57:20 2006
 Response via : Multiple Level Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Fluorobenzene | 6.07 | 96 | 4772320 | 25.00 | ug/l | 0.02 |
| 58) Chlorobenzene-d5 | 10.13 | 117 | 4051914 | 25.00 | ug/l | 0.02 |
| 76) 1,4 Dichlorobenzene-D4 | 13.83 | 152 | 1919656 | 25.00 | ug/l | 0.03 |

| System Monitoring Compounds | R.T. | QIon | Response | Conc | Units | %Recovery |
|----------------------------------|-------|------|----------|-------|-------|-----------|
| 34) Dibromofluoromethane (SURR) | 5.30 | 111 | 894730 | 10.63 | ug/l | 42.53% |
| 41) 1,2-Dichloroethane-d4 (SURR) | 5.68 | 65 | 435884 | 10.60 | ug/l | 42.39% |
| 59) Toluene-d8 (SURR) | 8.08 | 98 | 1856171 | 9.57 | ug/l | 38.30% |
| 75) Bromofluorobenzene (SURR) | 11.96 | 95 | 1029527 | 9.54 | ug/l | 38.15% |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|--------------------------------|------|------|----------|-------|-------|--------|
| 2) Dichlorodifluoromethane | 1.54 | 85 | 888420 | 13.89 | ug/l | 98 |
| 3) Chloromethane | 1.73 | 50 | 578772 | 12.60 | ug/l | 97 |
| 4) Vinyl Chloride | 1.83 | 62 | 566871 | 12.87 | ug/l | 99 |
| 5) Bromomethane | 2.14 | 94 | 410415 | 11.76 | ug/l | 99 |
| 6) Chloroethane | 2.23 | 64 | 201616 | 11.99 | ug/l | 97 |
| 7) Trichlorofluoromethane | 2.45 | 101 | 993537 | 11.68 | ug/l | 100 |
| 8) Diethyl ether | 2.80 | 59 | 354099 | 11.66 | ug/l | 97 |
| 9) Acrolein | 2.92 | 56 | 44424 | 10.17 | ug/l | 92 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.96 | 101 | 1001296 | 11.35 | ug/l | 97 |
| 11) Acetone | 3.10 | 58 | 95259 | 60.75 | ug/l | 90 |
| 12) Iodomethane | 3.12 | 142 | 1043218 | 11.36 | ug/l | 99 |
| 13) Carbon Disulfide | 3.16 | 76 | 1409659 | 10.95 | ug/l | 99 |
| 14) 1,1-Dichloroethene | 2.96 | 96 | 515685 | 11.00 | ug/l | 97 |
| 15) Allyl Chloride | 3.33 | 41 | 981298 | 11.62 | ug/l | 99 |
| 16) Methyl Acetate | 3.39 | 43 | 278843 | 12.26 | ug/l | 91 |
| 17) Methylene Chloride | 3.46 | 84 | 534636 | 10.91 | ug/l | 96 |
| 18) Methyl tert-Butyl Ether | 3.76 | 73 | 1110333 | 11.69 | ug/l | 96 |
| 19) Acrylonitrile | 3.75 | 53 | 85138 | 11.82 | ug/l | 95 |
| 20) trans-1,2-Dichloroethene | 3.72 | 96 | 589176 | 11.12 | ug/l | 95 |
| 21) 1,1-Dichloroethane | 4.15 | 63 | 1018277 | 11.31 | ug/l | 99 |
| 22) Vinyl Acetate | 4.25 | 43 | 1930067 | 11.80 | ug/l | 99 |
| 23) Chloroprene | 4.25 | 53 | 693955 | 11.20 | ug/l | 100 |
| 24) Di-isopropyl ether | 4.26 | 45 | 2334336 | 11.89 | ug/l | 95 |
| 25) Ethyl tertiary-butyl ether | 4.63 | 59 | 1719834 | 11.75 | ug/l | 98 |
| 26) 2-Butanone | 4.84 | 72 | 132707 | 61.06 | ug/l | 93 |
| 27) cis-1,2 Dichloroethene | 4.77 | 96 | 561931 | 11.01 | ug/l | 97 |
| 28) 2,2-Dichloropropane | 4.76 | 77 | 781744 | 10.73 | ug/l | 97 |
| 29) Methyl Acrylate | 4.93 | 55 | 313915 | 11.73 | ug/l | 99 |
| 30) Bromochloromethane | 5.03 | 128 | 295332 | 11.35 | ug/l | 96 |
| 31) Methacrylonitrile | 5.06 | 41 | 193178 | 11.92 | ug/l | 94 |
| 32) Tetrahydrofuran | 5.11 | 42 | 86037 | 13.20 | ug/l | 96 |
| 33) Chloroform | 5.12 | 83 | 1006165 | 11.10 | ug/l | 99 |
| 35) 1,1,1-Trichloroethane | 5.31 | 97 | 818919 | 10.58 | ug/l | 97 |

(#) = qualifier out of range (m) = manual integration
 M1041655.D HI072006.M Wed Aug 09 07:39:47 2006

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041655.D Vial: 3
 Acq On : 8 Aug 106 11:58 am Operator: RES
 Sample : BPH0094-CAL2 Inst : VOA MASS
 Misc : Multiplr: 1.00
 Quant Time: Aug 9 7:39 19106

Method : C:\HPCHEM\1\METHODS\HI072006.M
 Title : Element ID: 0607032
 Last Update : Thu Jul 20 12:57:20 2006
 Response via : Multiple Level Calibration

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|--------|------|--------|
| 36) Cyclohexane | 5.35 | 56 | 584799 | 12.11 | ug/l | 98 |
| 37) 1-Chlorobutane | 5.43 | 56 | 1013205 | 11.18 | ug/l | 99 |
| 38) 1,1-Dichloropropene | 5.50 | 75 | 721301 | 11.41 | ug/l | 97 |
| 39) Carbon Tetrachloride | 5.48 | 117 | 698415 | 11.02 | ug/l | 97 |
| 40) Benzene | 5.74 | 78 | 1741483 | 11.44 | ug/l | 100 |
| 42) 1,2-Dichloroethane | 5.77 | 62 | 534902 | 11.50 | ug/l | 96 |
| 43) Tertiary-amyl methyl ether | 5.90 | 73 | 1549582 | 11.66 | ug/l | 97 |
| 44) Trichloroethene | 6.50 | 95 | 729713 | 11.03 | ug/l | 96 |
| 45) Methyl Cyclohexane | 6.71 | 83 | 662097 | 10.68 | ug/l | 96 |
| 46) 1,2-Dichloropropane | 6.80 | 63 | 689912 | 11.47 | ug/l | 99 |
| 47) Dibromomethane | 6.94 | 93 | 446599 | 11.35 | ug/l | 99 |
| 48) Methyl Methacrylate | 6.97 | 41 | 424631 | 11.45 | ug/l | 93 |
| 49) 1,4-Dioxane | 7.03 | 88 | 106940 | 172.41 | ug/l | 95 |
| 50) Bromodichloromethane | 7.15 | 83 | 1002854 | 11.03 | ug/l | 99 |
| 51) 2-Nitropropane | 7.50 | 43 | 88302 | 12.06 | ug/l | 36 |
| 52) 2-Chloroethyl vinyl ether | 7.56 | 63 | 1015526 | 43.77 | ug/l | 97 |
| 53) 4-Methyl-2-Pentanone | 7.98 | 58 | 837668 | 60.58 | ug/l | 99 |
| 54) cis-1,3-Dichloropropene | 7.73 | 75 | 947036 | 11.28 | ug/l | 98 |
| 55) Toluene | 8.17 | 92 | 1203302 | 11.06 | ug/l | 100 |
| 56) trans-1,3-Dichloropropene | 8.49 | 75 | 710815 | 11.08 | ug/l | 97 |
| 57) 1,1,2-Trichloroethane | 8.74 | 83 | 426539 | 11.16 | ug/l | 95 |
| 60) 2-Hexanone | 9.14 | 43 | 1328557 | 54.51 | ug/l | 98 |
| 61) Ethyl Methacrylate | 8.64 | 69 | 708294 | 10.04 | ug/l | 99 |
| 62) 1,3-Dichloropropane | 8.98 | 76 | 816709 | 10.12 | ug/l | 99 |
| 63) Tetrachloroethene | 8.91 | 164 | 572076 | 9.79 | ug/l | 99 |
| 64) Dibromochloromethane | 9.30 | 129 | 658870 | 9.75 | ug/l | 100 |
| 65) 1,2-Dibromoethane | 9.45 | 107 | 631040 | 10.10 | ug/l | 98 |
| 66) 1-Chlorohexane | 10.16 | 91 | 755944 | 9.38 | ug/l | 96 |
| 67) Chlorobenzene | 10.17 | 112 | 1404638 | 10.05 | ug/l | 97 |
| 68) 1,1,1,2-Tetrachloroethane | 10.30 | 131 | 574209 | 9.66 | ug/l | 94 |
| 69) Ethylbenzene | 10.35 | 91 | 2179309 | 9.88 | ug/l | 100 |
| 70) Xylene P,M | 10.53 | 106 | 1727226 | 19.82 | ug/l | 98 |
| 71) Xylene O | 11.14 | 106 | 846890 | 10.14 | ug/l | 98 |
| 72) Styrene | 11.17 | 104 | 1469157 | 9.99 | ug/l | 99 |
| 73) Bromoform | 11.45 | 173 | 405419 | 9.12 | ug/l | 89 |
| 74) cis1,4-Dichloro-2-butene | 11.85 | 75 | 91089 | 8.27 | ug/l | 94 |
| 77) Isopropylbenzene | 11.72 | 105 | 2129195 | 9.77 | ug/l | 100 |
| 78) Trans-1,4-Dichloro-2-Buten | 12.32 | 53 | 119927 | 9.40 | ug/l | # 84 |
| 79) 1,2,3-Trichloropropane | 12.28 | 75 | 548431 | 9.89 | ug/l | 97 |
| 80) Bromobenzene | 12.18 | 156 | 583836 | 9.81 | ug/l | 98 |
| 81) 1,1,2,2-Tetrachloroethane | 12.23 | 83 | 642056 | 10.14 | ug/l | 99 |
| 82) n-Propylbenzene | 12.37 | 91 | 2412530 | 9.73 | ug/l | 99 |
| 83) 2-Chlorotoluene | 12.49 | 91 | 1736766 | 10.60 | ug/l | 98 |
| 84) 4-Chlorotoluene | 12.67 | 91 | 1825908 | 9.75 | ug/l | 99 |

(#) = qualifier out of range (m) = manual integration
 M1041655.D HI072006.M Wed Aug 09 07:39:50 2006

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041655.D Vial: 3
 Acq On : 8 Aug 106 11:58 am Operator: RES
 Sample : BPH0094-CAL2 Inst : VOA MASS
 Misc : Multiplr: 1.00
 Quant Time: Aug 9 7:39 19106

Method : C:\HPCHEM\1\METHODS\HI072006.M
 Title : Element ID: 0607032
 Last Update : Thu Jul 20 12:57:20 2006
 Response via : Multiple Level Calibration

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|-------|------|--------|
| 85) 1,3,5-Trimethylbenzene | 12.67 | 105 | 1610932 | 9.67 | ug/l | 100 |
| 86) tert-Butylbenzene | 13.19 | 119 | 1885708 | 9.63 | ug/l | 100 |
| 87) Pentachloroethane | 13.19 | 119 | 1885708 | 9.63 | ug/l | 98 |
| 88) 1,2,4-Trimethylbenzene | 13.27 | 105 | 1654696 | 9.74 | ug/l | 99 |
| 89) sec-Butylbenzene | 13.55 | 105 | 1988993 | 9.44 | ug/l | 97 |
| 90) 1,3 Dichlorobenzene | 13.71 | 146 | 928213 | 9.31 | ug/l | 98 |
| 91) 4-Isopropyltoluene | 13.80 | 119 | 1495632 | 9.55 | ug/l | 99 |
| 92) 1,4 Dichlorobenzene | 13.86 | 146 | 985905 | 9.28 | ug/l | 98 |
| 93) n-Butylbenzene | 14.46 | 91 | 1307175 | 9.25 | ug/l | 97 |
| 94) 1,2 Dichlorobenzene | 14.45 | 146 | 811696 | 9.35 | ug/l | 98 |
| 95) Hexachloroethane | 14.78 | 117 | 373597 | 9.57 | ug/l | 97 |
| 96) 1,2-Dibromo-3-Chloropropan | 15.44 | 75 | 75155 | 9.38 | ug/l | 91 |
| 97) 1,2,4-Trichlorobenzene | 16.27 | 180 | 435900 | 8.99 | ug/l | 97 |
| 98) Hexachlorobutadiene | 16.44 | 225 | 261717 | 8.69 | ug/l | 90 |
| 99) Naphthalene | 16.51 | 128 | 636246 | 10.06 | ug/l | 100 |
| 100) 1,2,3-Trichlorobenzene | 16.76 | 180 | 379749 | 10.94 | ug/l | 99 |

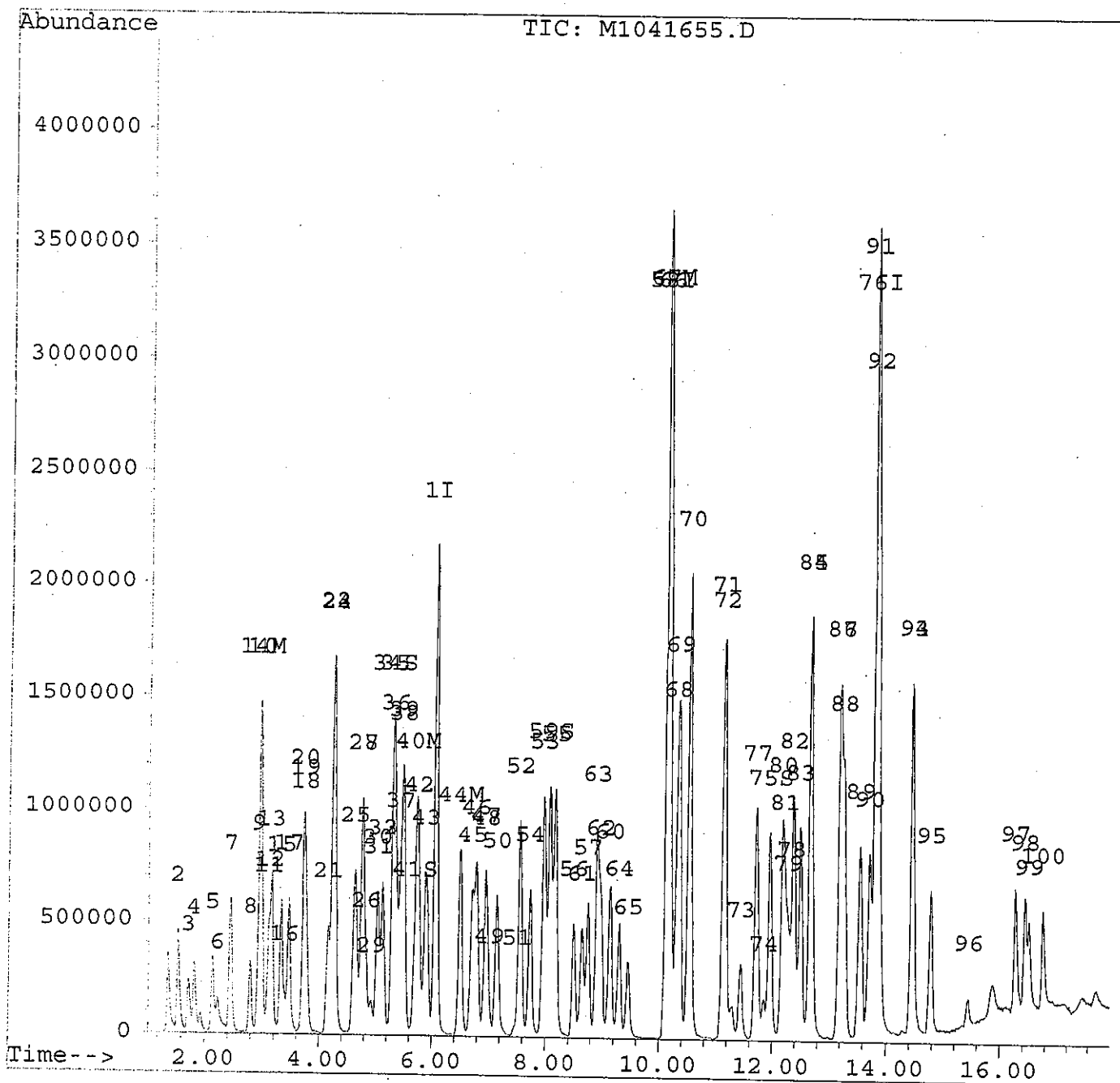
(#) = qualifier out of range (m) = manual integration
 M1041655.D HI072006.M Wed Aug 09 07:39:51 2006

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041655.D
Acq On : 8 Aug 106 11:58 am
Sample : BPH0094-CAL2
Misc :
Quant Time: Aug 9 7:39 19106

Vial: 3
Operator: RES
Inst : VOA MASS
Multiplr: 1.00

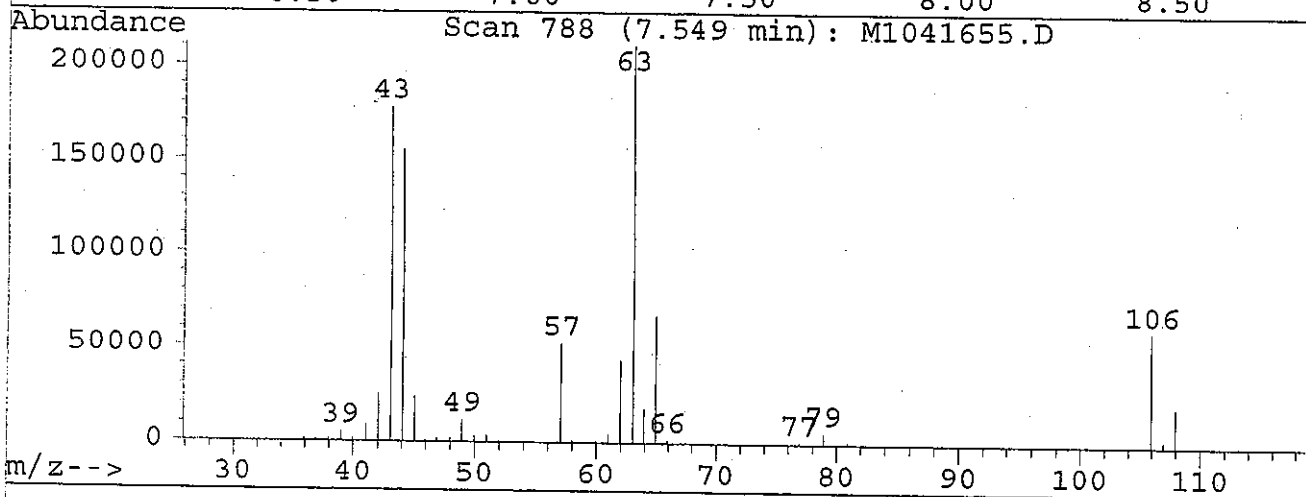
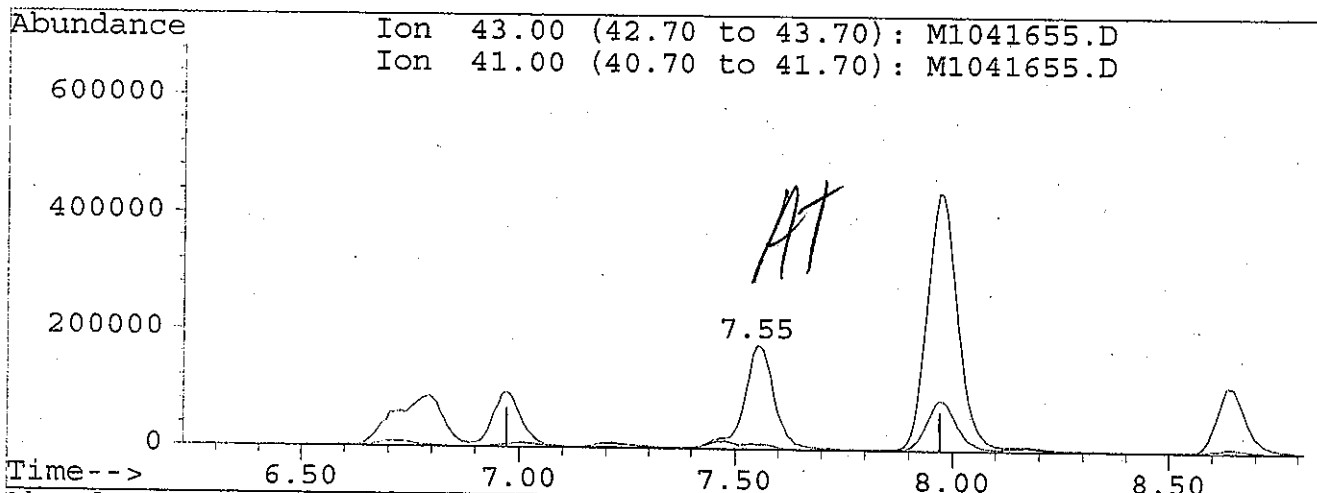
Method : C:\HPCHEM\1\METHODS\HI072006.M
Title : Element ID: 0607032
Last Update : Thu Jul 20 12:57:20 2006
Response via : Multiple Level Calibration



Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041655.D Vial: 3
 Acq On : 8 Aug 106 11:58 am Operator: RES
 Sample : BPH0094-CAL2 Inst : VOA MASS
 Misc : Multiplr: 1.00
 Quant Time: Aug 8 12:16 19106

Method : C:\HPCHEM\1\METHODS\HI072006.M
 Title : Element ID: 0607032
 Last Update : Thu Jul 20 12:57:20 2006
 Response via : Multiple Level Calibration



TIC: M1041655.D

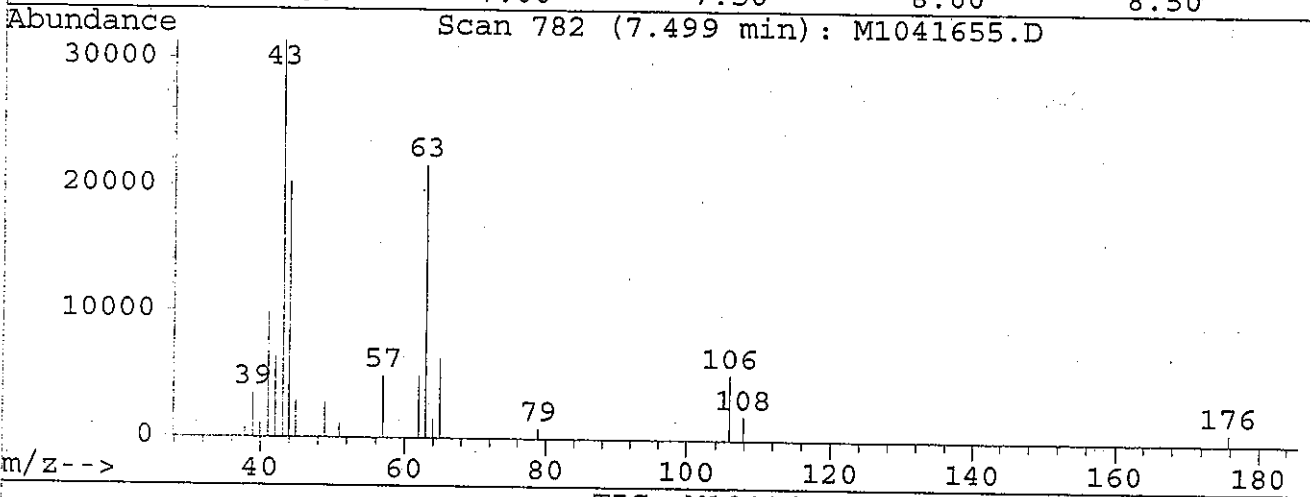
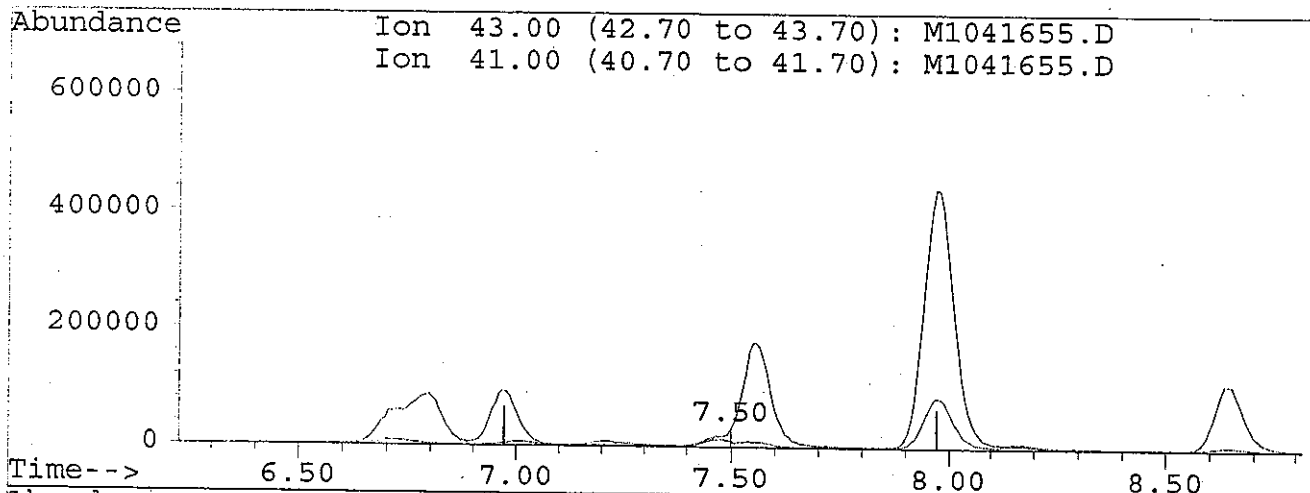
(51) 2-Nitropropane
 7.55min 121.67ug/l
 response 890539

| Ion | Exp% | Act% |
|-------|-------|-------|
| 43.00 | 100 | 100 |
| 41.00 | 48.00 | 4.79# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041655.D Vial: 3
 Acq On : 8 Aug 106 11:58 am Operator: RES
 Sample : BPH0094-CAL2 Inst : VOA MASS
 Misc : Multiplr: 1.00
 Quant Time: Aug 9 7:38 19106

Method : C:\HPCHEM\1\METHODS\HI072006.M
 Title : Element ID: 0607032
 Last Update : Thu Jul 20 12:57:20 2006
 Response via : Multiple Level Calibration



TIC: M1041655.D

(51) 2-Nitropropane
 7.50min 12.06ug/l m
 response 88302

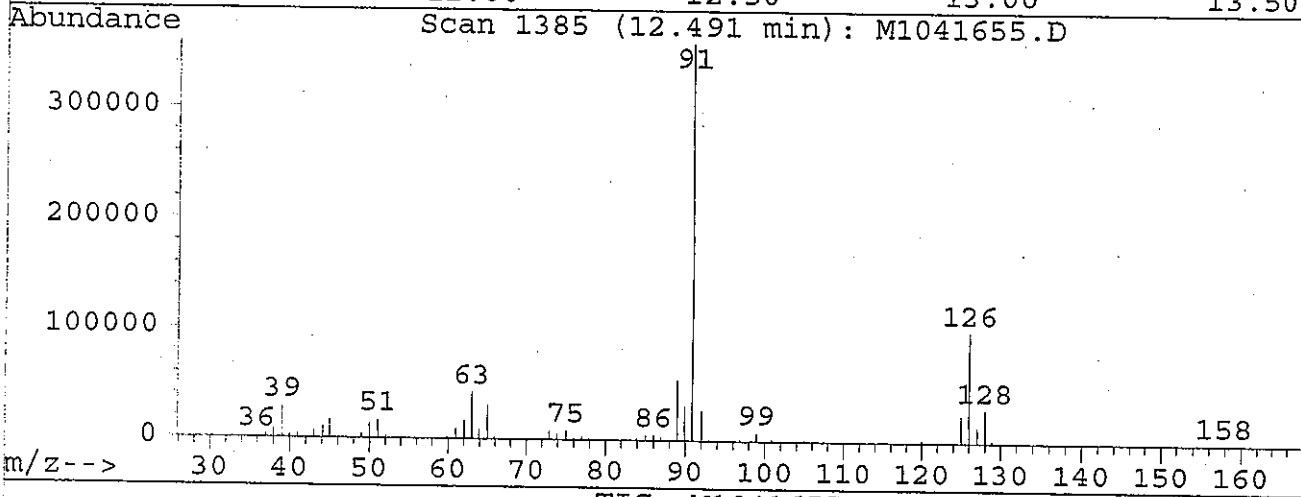
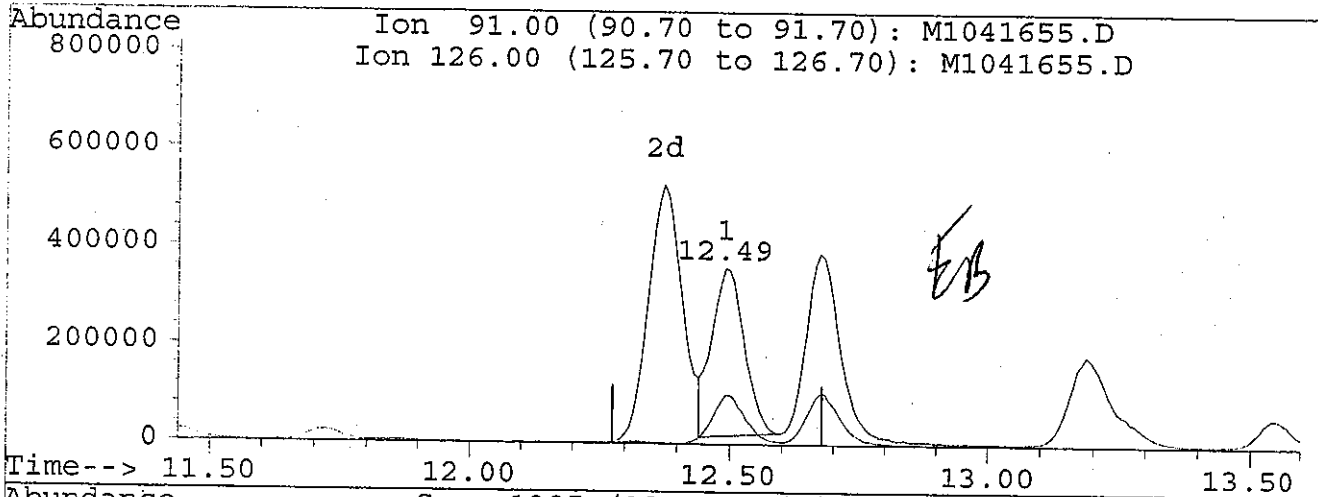
| Ion | Exp% | Act% |
|-------|-------|-------|
| 43.00 | 100 | 100 |
| 41.00 | 48.00 | 31.42 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041655.D
 Acq On : 8 Aug 106 11:58 am
 Sample : BPH0094-CAL2
 Misc :
 Quant Time: Aug 9 7:38 19106

Vial: 3
 Operator: RES
 Inst : VOA MASS
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\HI072006.M
 Title : Element ID: 0607032
 Last Update : Thu Jul 20 12:57:20 2006
 Response via : Multiple Level Calibration



TIC: M1041655.D

(83) 2-Chlorotoluene

12.49min 9.13ug/l

response 1494929

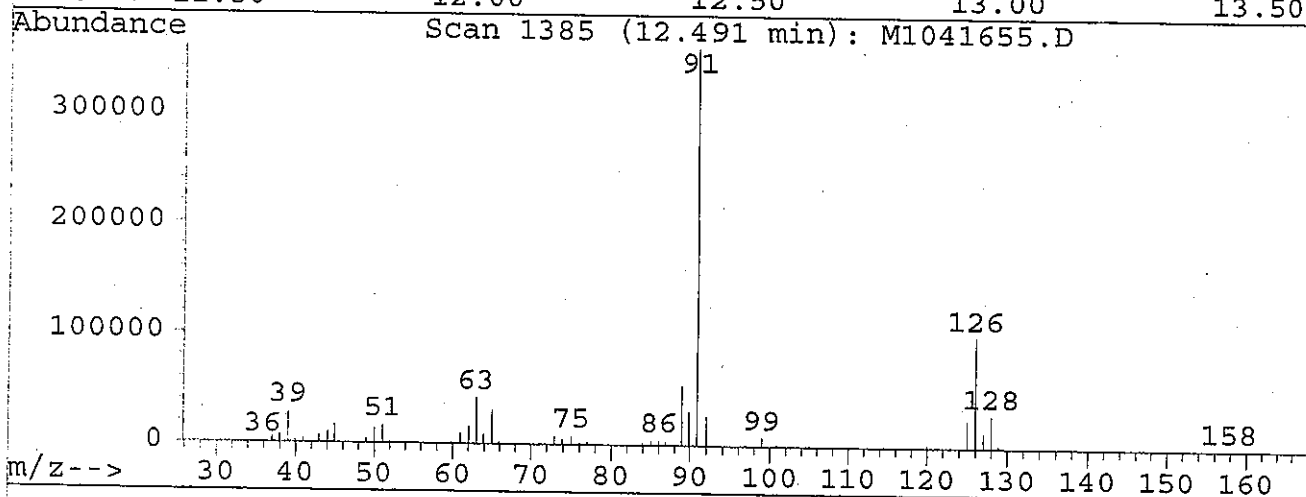
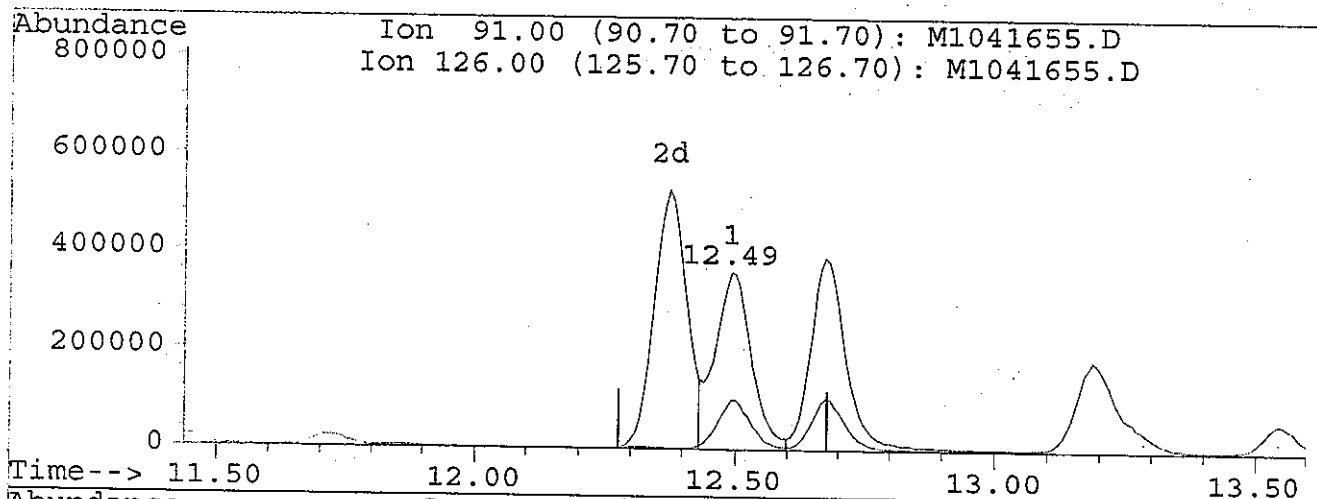
| Ion | Exp% | Act% |
|--------|-------|-------|
| 91.00 | 100 | 100 |
| 126.00 | 28.80 | 27.97 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041655.D
 Acq On : 8 Aug 106 11:58 am
 Sample : BPH0094-CAL2
 Misc :
 Quant Time: Aug 9 7:39 19106

Vial: 3
 Operator: RES
 Inst : VOA MASS
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\HI072006.M
 Title : Element ID: 0607032
 Last Update : Thu Jul 20 12:57:20 2006
 Response via : Multiple Level Calibration



TIC: M1041655.D

(83) 2-Chlorotoluene

| | | |
|----------|-------------|-------|
| 12.49min | 10.60ug/l m | |
| response | 1736766 | |
| Ion | Exp% | Act% |
| 91.00 | 100 | 100 |
| 126.00 | 28.80 | 27.97 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041656.D Vial: 4
 Acq On : 8 Aug 106 12:26 pm Operator: RES
 Sample : BPH0094-CAL3 Inst : VOA MASS
 Misc : Multiplr: 1.00
 Quant Time: Aug 9 7:41 19106

Method : C:\HPCHEM\1\METHODS\HI072006.M
 Title : Element ID: 0607032
 Last Update : Thu Jul 20 12:57:20 2006
 Response via : Multiple Level Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Fluorobenzene | 6.06 | 96 | 4806793 | 25.00 | ug/l | 0.01 |
| 58) Chlorobenzene-d5 | 10.13 | 117 | 4042466 | 25.00 | ug/l | 0.02 |
| 76) 1,4 Dichlorobenzene-D4 | 13.82 | 152 | 1901388 | 25.00 | ug/l | 0.03 |

| System Monitoring Compounds | R.T. | QIon | Response | Conc | Units | %Recovery |
|----------------------------------|-------|------|----------|------|-------|-----------|
| 34) Dibromofluoromethane (SURR) | 5.30 | 111 | 212883 | 2.51 | ug/l | 10.05% |
| 41) 1,2-Dichloroethane-d4 (SURR) | 5.69 | 65 | 101906 | 2.46 | ug/l | 9.84% |
| 59) Toluene-d8 (SURR) | 8.08 | 98 | 436615 | 2.26 | ug/l | 9.03% |
| 75) Bromofluorobenzene (SURR) | 11.95 | 95 | 250687 | 2.33 | ug/l | 9.31% |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|--------------------------------|------|------|----------|-------|-------|--------|
| 2) Dichlorodifluoromethane | 1.54 | 85 | 200972 | 3.12 | ug/l | 98 |
| 3) Chloromethane | 1.73 | 50 | 142648 | 3.08 | ug/l | 92 |
| 4) Vinyl Chloride | 1.82 | 62 | 133620 | 3.01 | ug/l | 94 |
| 5) Bromomethane | 2.13 | 94 | 107519 | 3.06 | ug/l | 94 |
| 6) Chloroethane | 2.23 | 64 | 45841 | 2.71 | ug/l | 88 |
| 7) Trichlorofluoromethane | 2.45 | 101 | 228120 | 2.66 | ug/l | 93 |
| 8) Diethyl ether | 2.79 | 59 | 79931 | 2.61 | ug/l | 95 |
| 9) Acrolein | 2.93 | 56 | 11874 | 1.54 | ug/l | 90 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.96 | 101 | 231158 | 2.60 | ug/l | 99 |
| 11) Acetone | 3.09 | 58 | 25253 | 15.99 | ug/l | 89 |
| 12) Iodomethane | 3.12 | 142 | 257560 | 2.78 | ug/l | 99 |
| 13) Carbon Disulfide | 3.17 | 76 | 319755 | 2.47 | ug/l | 99 |
| 14) 1,1-Dichloroethene | 2.96 | 96 | 121060 | 2.56 | ug/l | 89 |
| 15) Allyl Chloride | 3.32 | 41 | 231960 | 2.73 | ug/l | 94 |
| 16) Methyl Acetate | 3.40 | 43 | 85863 | 3.75 | ug/l | 97 |
| 17) Methylene Chloride | 3.46 | 84 | 132154 | 2.68 | ug/l | 94 |
| 18) Methyl tert-Butyl Ether | 3.76 | 73 | 259821 | 2.72 | ug/l | 100 |
| 19) Acrylonitrile | 3.75 | 53 | 19629 | 2.70 | ug/l | 94 |
| 20) trans-1,2-Dichloroethene | 3.72 | 96 | 139197 | 2.61 | ug/l | 99 |
| 21) 1,1-Dichloroethane | 4.16 | 63 | 238721 | 2.63 | ug/l | 99 |
| 22) Vinyl Acetate | 4.24 | 43 | 464181 | 2.82 | ug/l | 99 |
| 23) Chloroprene | 4.25 | 53 | 160369 | 2.57 | ug/l | 94 |
| 24) Di-isopropyl ether | 4.26 | 45 | 556538 | 2.81 | ug/l | 98 |
| 25) Ethyl tertiary-butyl ether | 4.64 | 59 | 401792 | 2.72 | ug/l | 95 |
| 26) 2-Butanone | 4.85 | 72 | 28761 | 13.14 | ug/l | # 87 |
| 27) cis-1,2 Dichloroethene | 4.76 | 96 | 132616 | 2.58 | ug/l | 95 |
| 28) 2,2-Dichloropropane | 4.76 | 77 | 177068 | 2.41 | ug/l | 97 |
| 29) Methyl Acrylate | 4.92 | 55 | 73007 | 2.71 | ug/l | 95 |
| 30) Bromochloromethane | 5.03 | 128 | 69411 | 2.65 | ug/l | 92 |
| 31) Methacrylonitrile | 5.06 | 41 | 56371 | 3.45 | ug/l | 89 |
| 32) Tetrahydrofuran | 5.12 | 42 | 24524 | 3.74 | ug/l | 99 |
| 33) Chloroform | 5.13 | 83 | 240266 | 2.63 | ug/l | 96 |
| 35) 1,1,1-Trichloroethane | 5.31 | 97 | 187912 | 2.41 | ug/l | 97 |

(#) = qualifier out of range (m) = manual integration
 M1041656.D HI072006.M Wed Aug 09 07:42:12 2006

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041656.D
 Acq On : 8 Aug 106 12:26 pm
 Sample : BPH0094-CAL3
 Misc :
 Quant Time: Aug 9 7:41 19106

Vial: 4
 Operator: RES
 Inst : VOA MASS
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\HI072006.M
 Title : Element ID: 0607032
 Last Update : Thu Jul 20 12:57:20 2006
 Response via : Multiple Level Calibration

Xmas 8/9/06

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|-------|------|--------|
| 36) Cyclohexane | 5.35 | 56 | 153505 | 3.16 | ug/l | 86 |
| 37) 1-Chlorobutane | 5.43 | 56 | 241624 | 2.65 | ug/l | 97 |
| 38) 1,1-Dichloropropene | 5.49 | 75 | 163395 | 2.57 | ug/l | 95 |
| 39) Carbon Tetrachloride | 5.49 | 117 | 157664 | 2.47 | ug/l | 96 |
| 40) Benzene | 5.73 | 78 | 422186 | 2.75 | ug/l | 100 |
| 42) 1,2-Dichloroethane | 5.77 | 62 | 123041 | 2.63 | ug/l | 96 |
| 43) Tertiary-amyl methyl ether | 5.90 | 73 | 365332 | 2.73 | ug/l | 98 |
| 44) Trichloroethene | 6.50 | 95 | 169616 | 2.55 | ug/l | 98 |
| 45) Methyl Cyclohexane | 6.72 | 83 | 151340 | 2.42 | ug/l | 96 |
| 46) 1,2-Dichloropropane | 6.80 | 63 | 163077 | 2.69 | ug/l | 98 |
| 47) Dibromomethane | 6.94 | 93 | 103207 | 2.60 | ug/l | 94 |
| 48) Methyl Methacrylate | 6.97 | 41 | 106977 | 2.86 | ug/l | 92 |
| 49) 1,4-Dioxane | 7.01 | 88 | 43234 | 69.20 | ug/l | 93 |
| 50) Bromodichloromethane | 7.16 | 83 | 217121 | 2.37 | ug/l | 98 |
| 51) 2-Nitropropane | 7.49 | 43 | 15002 | 2.03 | ug/l | 44 |
| 52) 2-Chloroethyl vinyl ether | 7.55 | 63 | 218174 | 9.34 | ug/l | 96 |
| 53) 4-Methyl-2-Pentanone | 7.98 | 58 | 192760 | 13.84 | ug/l | 96 |
| 54) cis-1,3-Dichloropropene | 7.73 | 75 | 203792 | 2.41 | ug/l | 98 |
| 55) Toluene | 8.17 | 92 | 285857 | 2.61 | ug/l | 94 |
| 56) trans-1,3-Dichloropropene | 8.50 | 75 | 152518 | 2.36 | ug/l | 95 |
| 57) 1,1,2-Trichloroethane | 8.75 | 83 | 100322 | 2.61 | ug/l | 90 |
| 60) 2-Hexanone | 9.13 | 43 | 315038 | 12.96 | ug/l | 99 |
| 61) Ethyl Methacrylate | 8.66 | 69 | 159686 | 2.27 | ug/l | 98 |
| 62) 1,3-Dichloropropane | 8.97 | 76 | 187953 | 2.34 | ug/l | 98 |
| 63) Tetrachloroethene | 8.92 | 164 | 136076 | 2.33 | ug/l | 92 |
| 64) Dibromochloromethane | 9.30 | 129 | 136773 | 2.03 | ug/l | 97 |
| 65) 1,2-Dibromoethane | 9.46 | 107 | 142186 | 2.28 | ug/l | 96 |
| 66) 1-Chlorohexane | 10.16 | 91 | 183676 | 2.28 | ug/l | 93 |
| 67) Chlorobenzene | 10.18 | 112 | 324103 | 2.33 | ug/l | 94 |
| 68) 1,1,1,2-Tetrachloroethane | 10.31 | 131 | 124178 | 2.09 | ug/l | 94 |
| 69) Ethylbenzene | 10.34 | 91 | 503219 | 2.29 | ug/l | 99 |
| 70) Xylene P,M | 10.53 | 106 | 402199 | 4.63 | ug/l | 96 |
| 71) Xylene O | 11.13 | 106 | 194830 | 2.34 | ug/l | 97 |
| 72) Styrene | 11.16 | 104 | 331137 | 2.26 | ug/l | 94 |
| 73) Bromoform | 11.45 | 173 | 80613 | 2.19 | ug/l | 90 |
| 74) cis-1,4-Dichloro-2-butene | 11.85 | 75 | 19460 | 1.77 | ug/l | # 72 |
| 77) Isopropylbenzene | 11.72 | 105 | 493651 | 2.29 | ug/l | 99 |
| 78) Trans-1,4-Dichloro-2-Buten | 12.32 | 53 | 24691 | 1.95 | ug/l | # 65 |
| 79) 1,2,3-Trichloropropane | 12.29 | 75 | 129825 | 2.36 | ug/l | 94 |
| 80) Bromobenzene | 12.17 | 156 | 132656 | 2.25 | ug/l | 97 |
| 81) 1,1,2,2-Tetrachloroethane | 12.22 | 83 | 148314 | 2.37 | ug/l | 98 |
| 82) n-Propylbenzene | 12.37 | 91 | 553924 | 2.26 | ug/l | 98 |
| 83) 2-Chlorotoluene | 12.49 | 91 | 394076 | 2.43 | ug/l | 98 |
| 84) 4-Chlorotoluene | 12.67 | 91 | 404700 | 2.18 | ug/l | 97 |

*mC**

*mC**

(#) = qualifier out of range (m) = manual integration
 M1041656.D HI072006.M Wed Aug 09 07:42:15 2006

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041656.D Vial: 4
 Acq On : 8 Aug 106 12:26 pm Operator: RES
 Sample : BPH0094-CAL3 Inst : VOA MASS
 Misc : Multiplr: 1.00
 Quant Time: Aug 9 7:41 19106

Method : C:\HPCHEM\1\METHODS\HI072006.M
 Title : Element ID: 0607032
 Last Update : Thu Jul 20 12:57:20 2006
 Response via : Multiple Level Calibration

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|------|------|--------|
| 85) 1,3,5-Trimethylbenzene | 12.67 | 105 | 380727 | 2.31 | ug/l | 98 |
| 86) tert-Butylbenzene | 13.20 | 119 | 435684 | 2.25 | ug/l | 97 |
| 87) Pentachloroethane | 13.20 | 119 | 435684 | 2.25 | ug/l | 98 |
| 88) 1,2,4-Trimethylbenzene | 13.28 | 105 | 391657 | 2.33 | ug/l | 96 |
| 89) sec-Butylbenzene | 13.55 | 105 | 478357 | 2.29 | ug/l | 93 |
| 90) 1,3 Dichlorobenzene | 13.72 | 146 | 215799 | 2.18 | ug/l | 100 |
| 91) 4-Isopropyltoluene | 13.81 | 119 | 355444 | 2.29 | ug/l | 97 |
| 92) 1,4 Dichlorobenzene | 13.87 | 146 | 237474 | 2.26 | ug/l | 94 |
| 93) n-Butylbenzene | 14.45 | 91 | 322329 | 2.30 | ug/l | 98 |
| 94) 1,2 Dichlorobenzene | 14.45 | 146 | 190808 | 2.22 | ug/l | 98 |
| 95) Hexachloroethane | 14.77 | 117 | 80020 | 2.07 | ug/l | 90 |
| 96) 1,2-Dibromo-3-Chloropropan | 15.44 | 75 | 19374 | 2.44 | ug/l | 98 |
| 97) 1,2,4-Trichlorobenzene | 16.27 | 180 | 124423 | 2.59 | ug/l | 95 |
| 98) Hexachlorobutadiene | 16.44 | 225 | 77921 | 0.81 | ug/l | 97 |
| 99) Naphthalene | 16.52 | 128 | 208703 | 2.51 | ug/l | 100 |
| 100) 1,2,3-Trichlorobenzene | 16.77 | 180 | 117534 | 2.01 | ug/l | 95 |

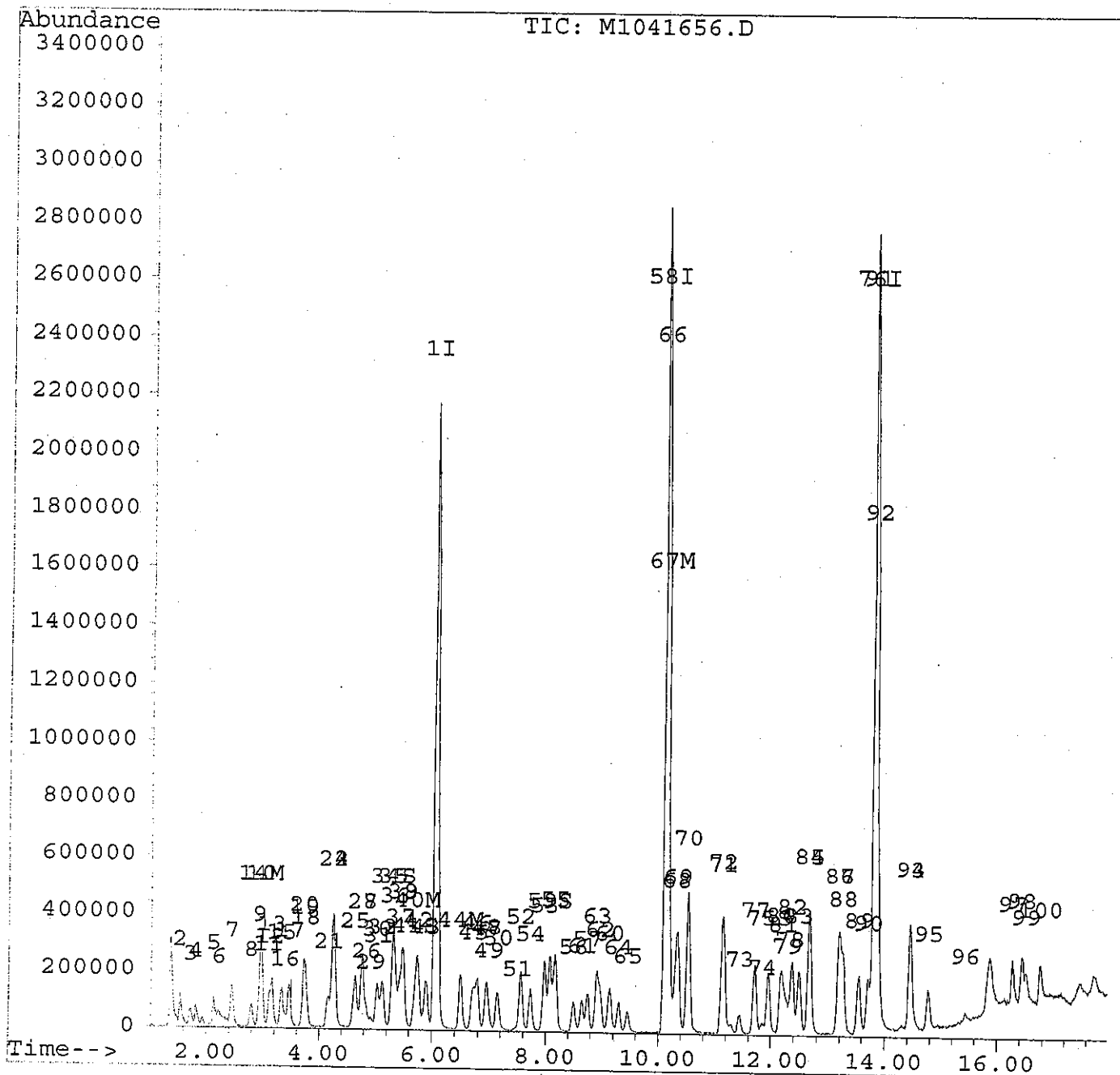
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8/9/06

(#) = qualifier out of range (m) = manual integration
 M1041656.D HI072006.M Wed Aug 09 07:42:16 2006

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041656.D Vial: 4
Acq On : 8 Aug 106 12:26 pm Operator: RES
Sample : BPH0094-CAL3 Inst : VOA MASS
Misc : Multiplr: 1.00
Quant Time: Aug 9 7:41 19106

Method : C:\HPCHEM\1\METHODS\HI072006.M
Title : Element ID: 0607032
Last Update : Thu Jul 20 12:57:20 2006
Response via : Multiple Level Calibration

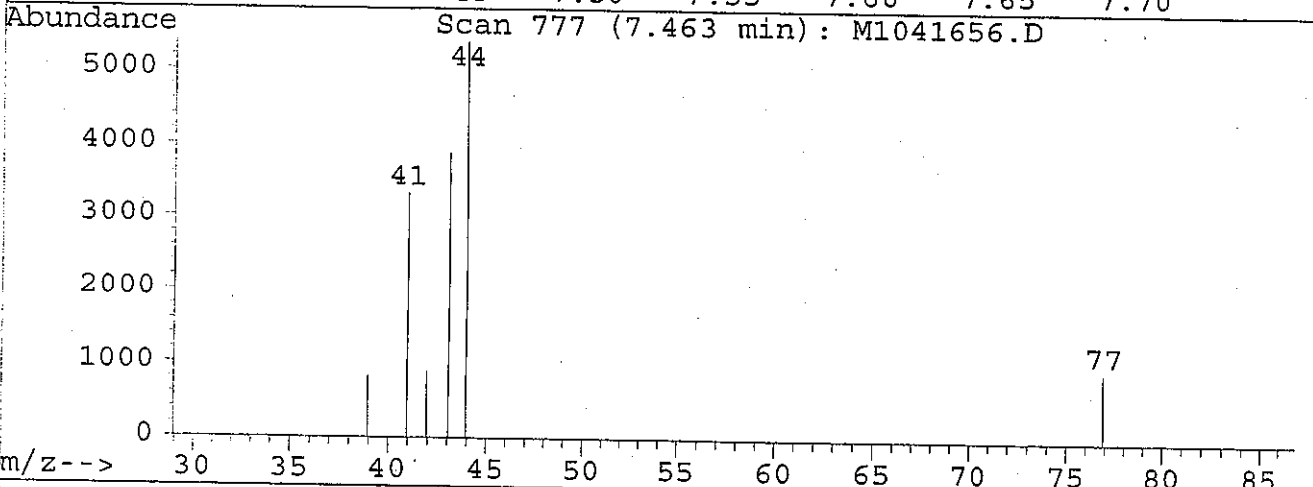
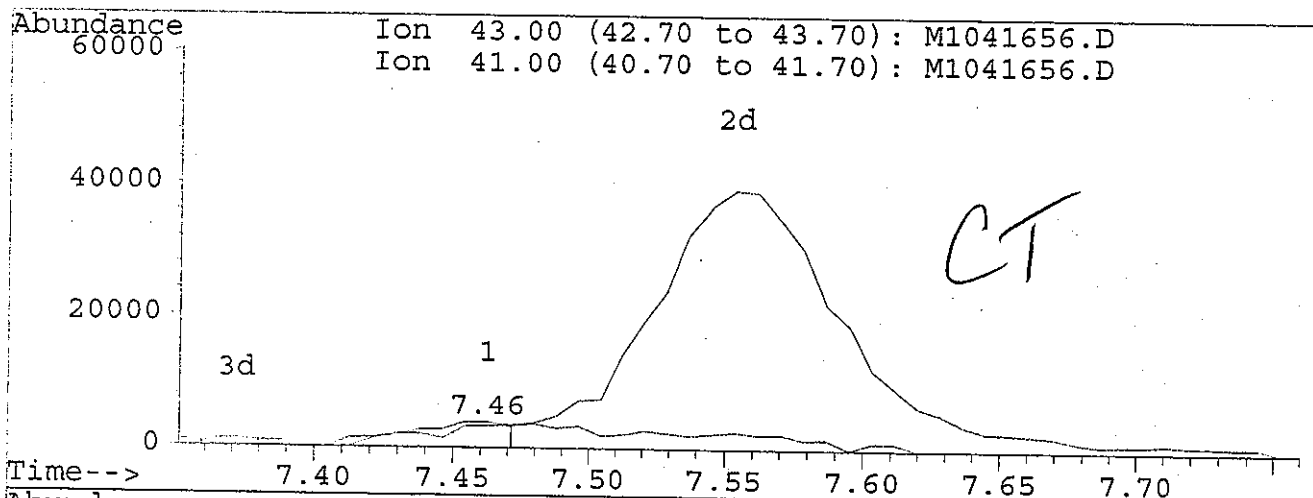


Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041656.D
 Acq On : 8 Aug 106 12:26 pm
 Sample : BPH0094-CAL3
 Misc :
 Quant Time: Aug 8 12:44 19106

Vial: 4
 Operator: RES
 Inst : VOA MASS
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\HI072006.M
 Title : Element ID: 0607032
 Last Update : Thu Jul 20 12:57:20 2006
 Response via : Multiple Level Calibration



TIC: M1041656.D

(51) 2-Nitropropane
 7.46min 1.45ug/l
 response 10663

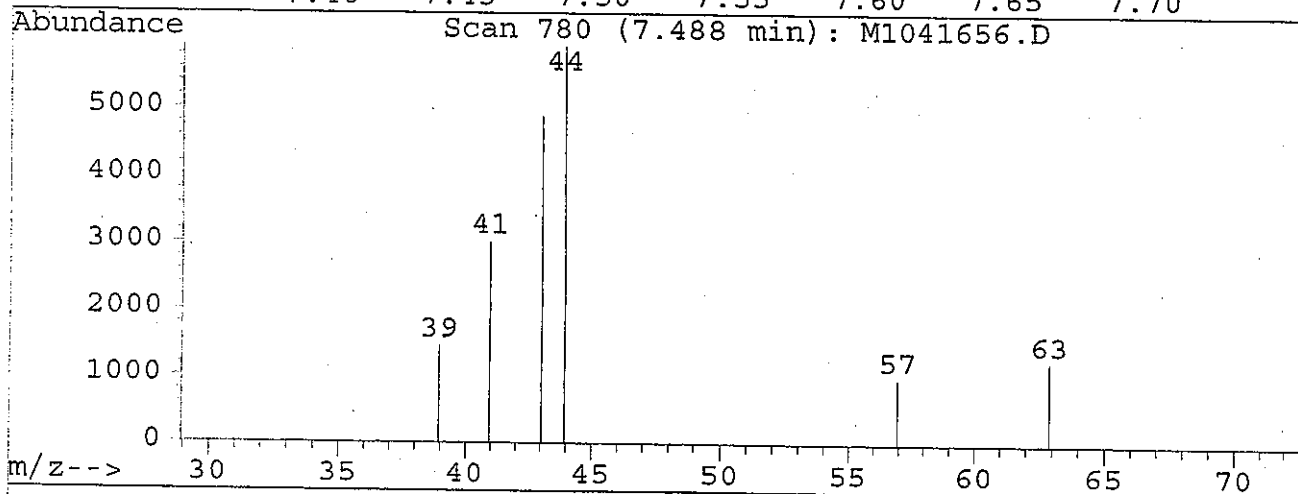
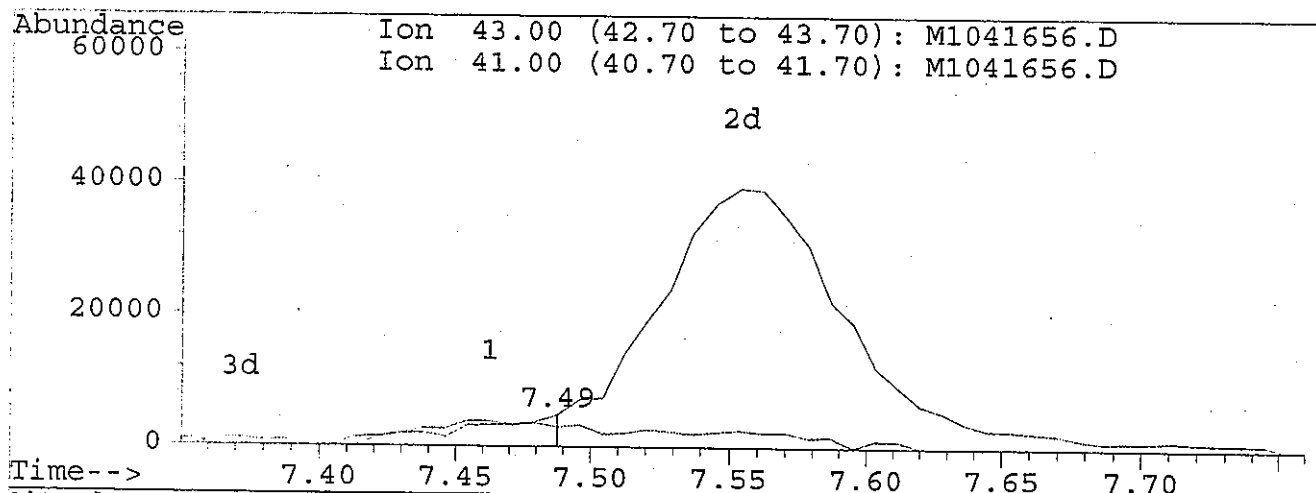
| Ion | Exp% | Act% |
|-------|-------|--------|
| 43.00 | 100 | 100 |
| 41.00 | 48.00 | 85.64# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041656.D
 Acq On : 8 Aug 106 12:26 pm
 Sample : BPH0094-CAL3
 Misc :
 Quant Time: Aug 9 7:40 19106

Vial: 4
 Operator: RES
 Inst : VOA MASS
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\HI072006.M
 Title : Element ID: 0607032
 Last Update : Thu Jul 20 12:57:20 2006
 Response via : Multiple Level Calibration



TIC: M1041656.D

(51) 2-Nitropropane
 7.49min 2.03ug/l m
 response 15002

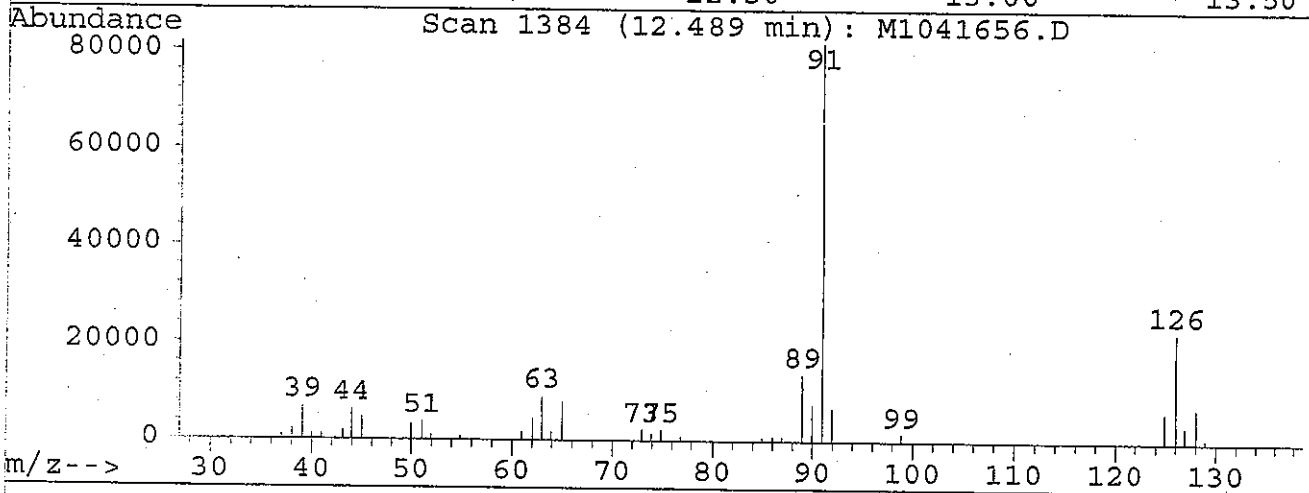
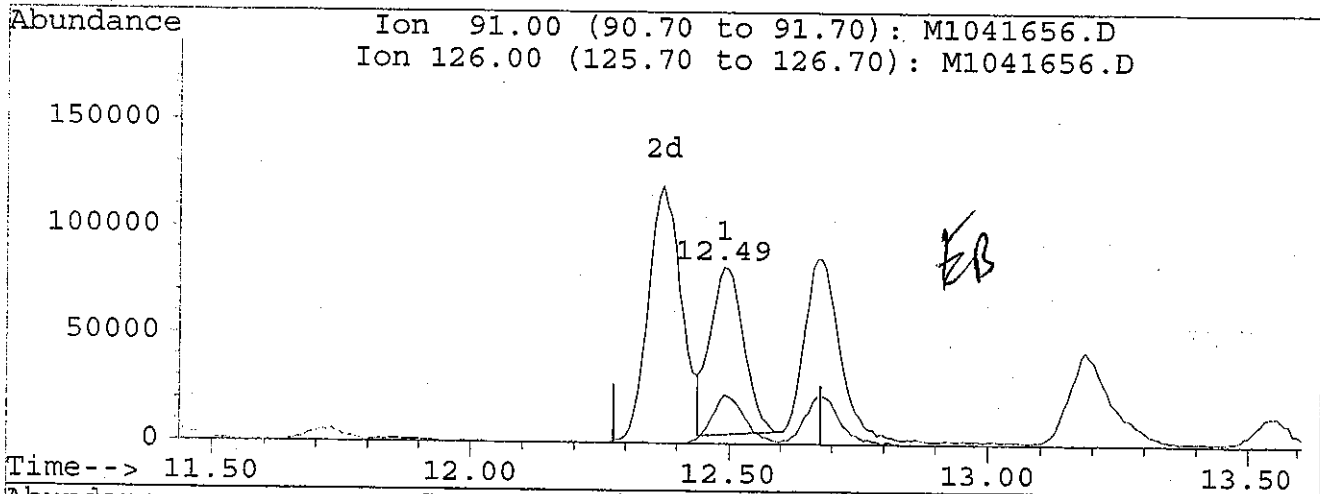
| Ion | Exp% | Act% |
|-------|-------|-------|
| 43.00 | 100 | 100 |
| 41.00 | 48.00 | 61.81 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041656.D
 Acq On : 8 Aug 106 12:26 pm
 Sample : BPH0094-CAL3
 Misc :
 Quant Time: Aug 9 7:40 19106

Vial: 4
 Operator: RES
 Inst : VOA MASS
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\HI072006.M
 Title : Element ID: 0607032
 Last Update : Thu Jul 20 12:57:20 2006
 Response via : Multiple Level Calibration



TIC: M1041656.D

(83) 2-Chlorotoluene

12.49min 2.15ug/l

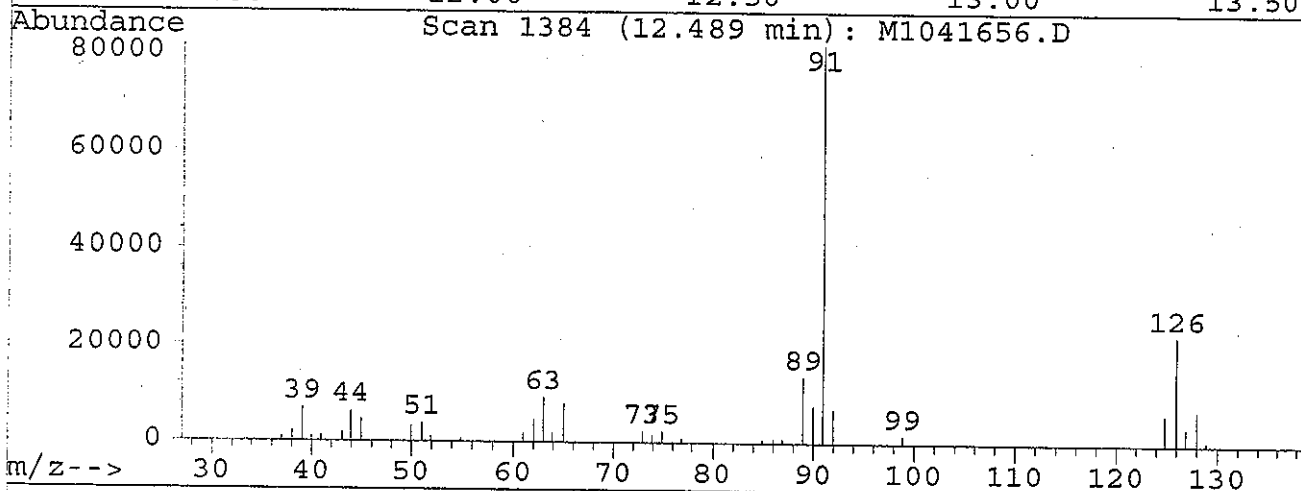
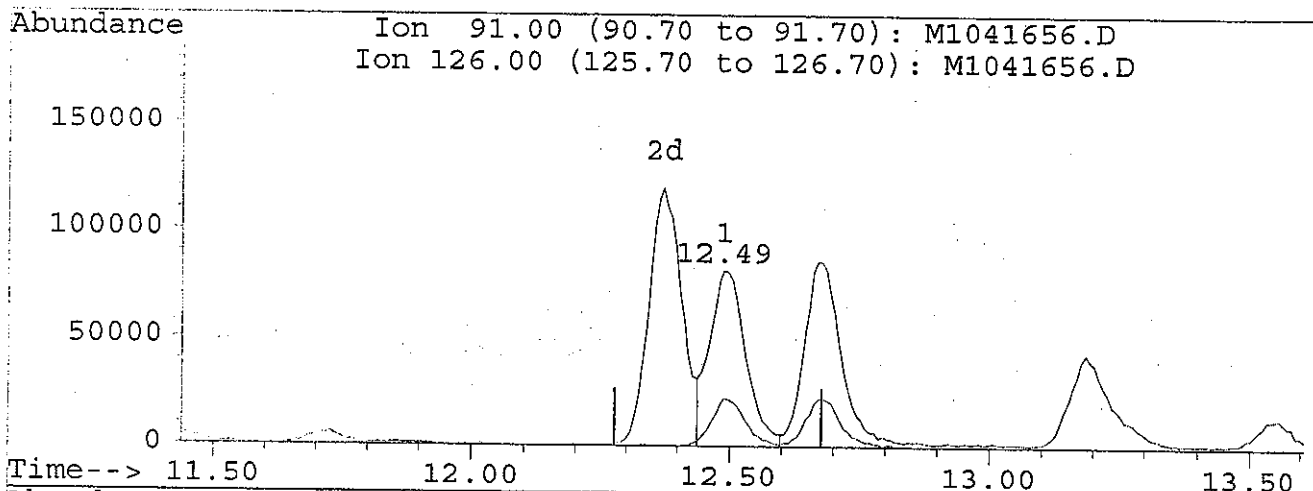
response 349520

| Ion | Exp% | Act% |
|--------|-------|-------|
| 91.00 | 100 | 100 |
| 126.00 | 28.80 | 27.58 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041656.D Vial: 4
 Acq On : 8 Aug 106 12:26 pm Operator: RES
 Sample : BPH0094-CAL3 Inst : VOA MASS
 Misc : Multiplr: 1.00
 Quant Time: Aug 9 7:41 19106

Method : C:\HPCHEM\1\METHODS\HI072006.M
 Title : Element ID: 0607032
 Last Update : Thu Jul 20 12:57:20 2006
 Response via : Multiple Level Calibration



TIC: M1041656.D

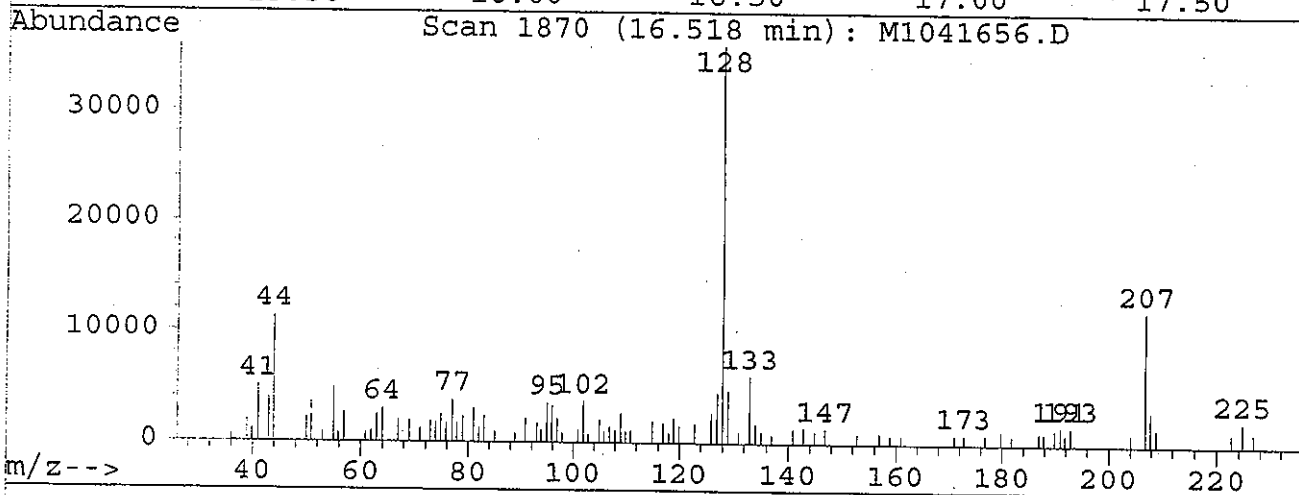
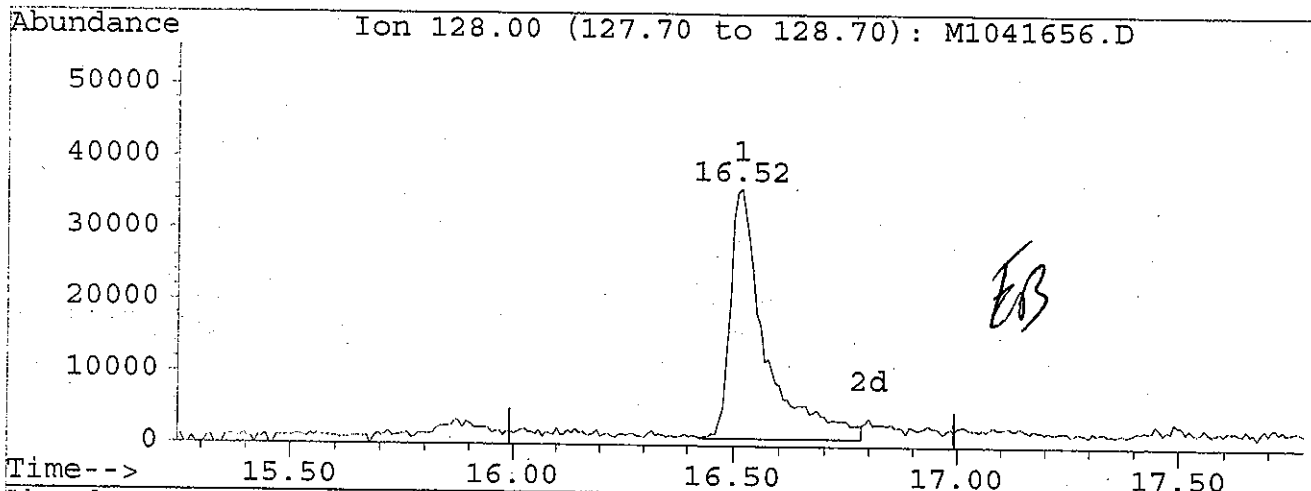
(83) 2-Chlorotoluene
 12.49min 2.43ug/l m
 response 394076

| Ion | Exp% | Act% |
|--------|-------|-------|
| 91.00 | 100 | 100 |
| 126.00 | 28.80 | 27.58 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041656.D Vial: 4
 Acq On : 8 Aug 106 12:26 pm Operator: RES
 Sample : BPH0094-CAL3 Inst : VOA MASS
 Misc : Multiplr: 1.00
 Quant Time: Aug 9 7:41 19106

Method : C:\HPCHEM\1\METHODS\HI072006.M
 Title : Element ID: 0607032
 Last Update : Thu Jul 20 12:57:20 2006
 Response via : Multiple Level Calibration



TIC: M1041656.D

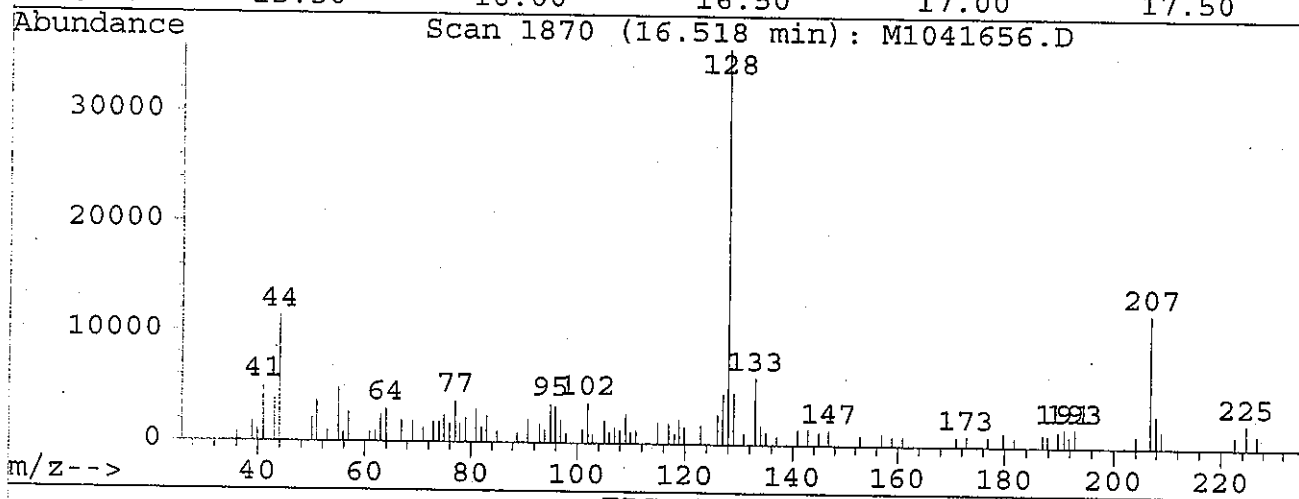
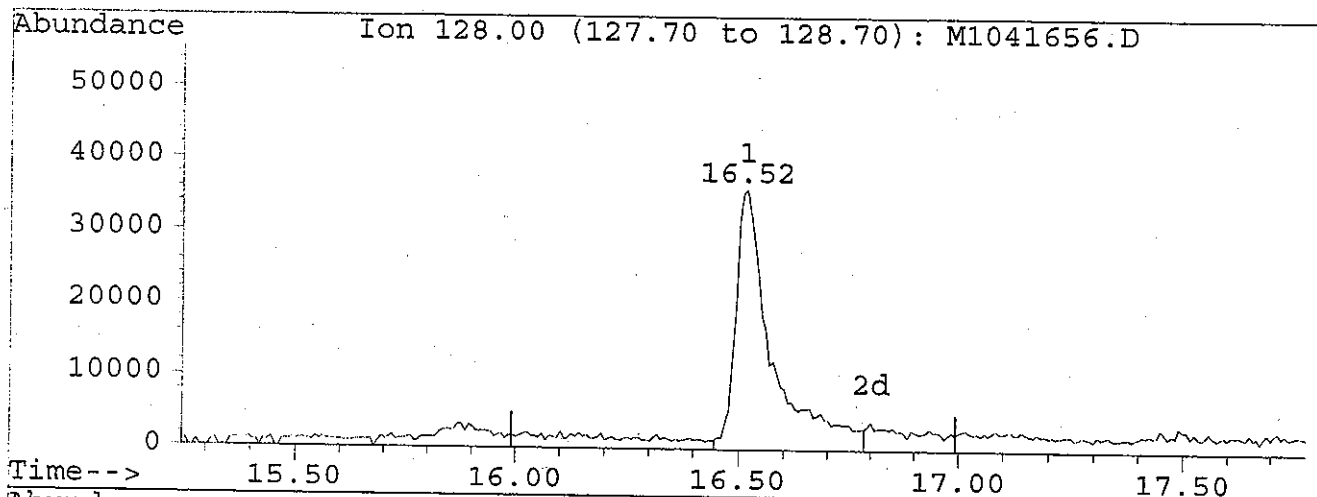
(99) Naphthalene

| | | |
|----------|----------|------|
| 16.52min | 2.12ug/l | |
| response | 186802 | |
| Ion | Exp% | Act% |
| 128.00 | 100 | 100 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041656.D Vial: 4
 Acq On : 8 Aug 106 12:26 pm Operator: RES
 Sample : BPH0094-CAL3 Inst : VOA MASS
 Misc : Multiplr: 1.00
 Quant Time: Aug 9 7:41 19106

Method : C:\HPCHEM\1\METHODS\HI072006.M
 Title : Element ID: 0607032
 Last Update : Thu Jul 20 12:57:20 2006
 Response via : Multiple Level Calibration



TIC: M1041656.D

(99) Naphthalene

16.52min 2.51ug/l m
 response 208703

| Ion | Exp% | Act% |
|--------|------|------|
| 128.00 | 100 | 100 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041657.D
 Acq On : 8 Aug 106 12:53 pm
 Sample : BPH0094-CAL4
 Misc :
 Quant Time: Aug 9 7:52 19106

Vial: 5
 Operator: RES
 Inst : VOA MASS
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\HI072006.M
 Title : Element ID: 0607032
 Last Update : Thu Jul 20 12:57:20 2006
 Response via : Multiple Level Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|----------------------------|-------|------|----------|-------|-------|-----------|
| 1) Fluorobenzene | 6.06 | 96 | 4920144 | 25.00 | ug/l | 0.01 |
| 58) Chlorobenzene-d5 | 10.13 | 117 | 4208992 | 25.00 | ug/l | 0.02 |
| 76) 1,4 Dichlorobenzene-D4 | 13.83 | 152 | 1913053 | 25.00 | ug/l | 0.03 |

| System Monitoring Compounds | R.T. | QIon | Response | Conc | Units | %Recovery |
|----------------------------------|-------|------|----------|------|-------|-----------|
| 34) Dibromofluoromethane (SURR) | 5.30 | 111 | 47001 | 0.54 | ug/l | 2.17% |
| 41) 1,2-Dichloroethane-d4 (SURR) | 5.68 | 65 | 25629 | 0.60 | ug/l | 2.42% |
| 59) Toluene-d8 (SURR) | 8.08 | 98 | 96835 | 0.48 | ug/l | 1.92% |
| 75) Bromofluorobenzene (SURR) | 11.96 | 95 | 61409 | 0.55 | ug/l | 2.19% |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|--------------------------------|------|------|----------|------|-------|-----------------|
| 2) Dichlorodifluoromethane | 1.54 | 85 | 42821 | 0.65 | ug/l | 98 |
| 3) Chloromethane | 1.72 | 50 | 35248 | 0.74 | ug/l | 90 |
| 4) Vinyl Chloride | 1.82 | 62 | 27174 | 0.60 | ug/l | 87 |
| 5) Bromomethane | 2.15 | 94 | 26782 | 0.74 | ug/l | m 90 |
| 6) Chloroethane | 2.23 | 64 | 9134 | 0.53 | ug/l | 73 |
| 7) Trichlorofluoromethane | 2.44 | 101 | 49469 | 0.56 | ug/l | 93 |
| 8) Diethyl ether | 2.79 | 59 | 18596 | 0.59 | ug/l | 74 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.97 | 101 | 51762 | 0.57 | ug/l | 97 |
| 11) Acetone | 3.09 | 58 | 9589 | 5.93 | ug/l | 98 |
| 12) Iodomethane | 3.12 | 142 | 82728 | 0.87 | ug/l | 98 |
| 13) Carbon Disulfide | 3.16 | 76 | 68313 | 0.51 | ug/l | 97 |
| 14) 1,1-Dichloroethene | 2.97 | 96 | 26351 | 0.55 | ug/l | 89 |
| 15) Allyl Chloride | 3.33 | 41 | 50261 | 0.58 | ug/l | 95 |
| 16) Methyl Acetate | 3.40 | 43 | 31852 | 1.36 | ug/l | 95 |
| 17) Methylene Chloride | 3.46 | 84 | 36276 | 0.72 | ug/l | 94 |
| 18) Methyl tert-Butyl Ether | 3.77 | 73 | 61818 | 0.63 | ug/l | 93 |
| 19) Acrylonitrile | 3.74 | 53 | 3559 | 0.48 | ug/l | # 76 |
| 20) trans-1,2-Dichloroethene | 3.72 | 96 | 29621 | 0.54 | ug/l | 93 |
| 21) 1,1-Dichloroethane | 4.16 | 63 | 51317 | 0.55 | ug/l | 97 |
| 22) Vinyl Acetate | 4.24 | 43 | 110384 | 0.65 | ug/l | 96 |
| 23) Chloroprene | 4.24 | 53 | 33524 | 0.52 | ug/l | 98 |
| 24) Di-isopropyl ether | 4.26 | 45 | 127725 | 0.63 | ug/l | 96 |
| 25) Ethyl tertiary-butyl ether | 4.63 | 59 | 84462 | 0.56 | ug/l | 93 |
| 26) 2-Butanone | 4.86 | 72 | 7438 | 3.32 | ug/l | # 43 |
| 27) cis-1,2 Dichloroethene | 4.77 | 96 | 28825 | 0.55 | ug/l | 87 |
| 28) 2,2-Dichloropropane | 4.77 | 77 | 51956 | 0.69 | ug/l | 94 |
| 29) Methyl Acrylate | 4.93 | 55 | 19698 | 0.71 | ug/l | 90 |
| 30) Bromochloromethane | 5.04 | 128 | 15983 | 0.60 | ug/l | 87 |
| 31) Methacrylonitrile | 5.05 | 41 | 7691 | 0.46 | ug/l | m 92 |
| 32) Tetrahydrofuran | 5.11 | 42 | 4056 | 0.60 | ug/l | m 37 |
| 33) Chloroform | 5.13 | 83 | 52520 | 0.56 | ug/l | m 89 |
| 35) 1,1,1-Trichloroethane | 5.32 | 97 | 41204 | 0.52 | ug/l | 93 |
| 36) Cyclohexane | 5.38 | 56 | 31643 | 0.64 | ug/l | m 49 |

(#) = qualifier out of range (m) = manual integration
 M1041657.D HI072006.M Wed Aug 09 07:53:55 2006

Handwritten: X/S 8/9/06

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041657.D
 Acq On : 8 Aug 106 12:53 pm
 Sample : BPH0094-CAL4
 Misc :
 Quant Time: Aug 9 7:52 19106

Vial: 5
 Operator: RES
 Inst : VOA MASS
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\HI072006.M
 Title : Element ID: 0607032
 Last Update : Thu Jul 20 12:57:20 2006
 Response via : Multiple Level Calibration

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|-------|------|-----------------|
| 37) 1-Chlorobutane | 5.43 | 56 | 50680 | 0.54 | ug/l | m <i>ATx</i> 97 |
| 38) 1,1-Dichloropropene | 5.48 | 75 | 36415 | 0.56 | ug/l | <i>ATx</i> 86 |
| 39) Carbon Tetrachloride | 5.48 | 117 | 33527 | 0.51 | ug/l | 96 |
| 40) Benzene | 5.74 | 78 | 99280 | 0.63 | ug/l | 100 |
| 42) 1,2-Dichloroethane | 5.77 | 62 | 28093 | 0.59 | ug/l | 71 |
| 43) Tertiary-amyl methyl ether | 5.90 | 73 | 80750 | 0.59 | ug/l | 97 |
| 44) Trichloroethene | 6.51 | 95 | 40962 | 0.60 | ug/l | 93 |
| 45) Methyl Cyclohexane | 6.73 | 83 | 34481 | 0.54 | ug/l | 88 |
| 46) 1,2-Dichloropropane | 6.81 | 63 | 36583 | 0.59 | ug/l | 74 |
| 47) Dibromomethane | 6.93 | 93 | 21033 | 0.52 | ug/l | 85 |
| 48) Methyl Methacrylate | 6.97 | 41 | 23458 | 0.61 | ug/l | 96 |
| 49) 1,4-Dioxane | 7.01 | 88 | 12181 | 19.05 | ug/l | 93 |
| 50) Bromodichloromethane | 7.15 | 83 | 44558 | 0.48 | ug/l | 98 |
| 51) 2-Nitropropane | 7.50 | 43 | 3861 | 0.51 | ug/l | m <i>ATx</i> 29 |
| 52) 2-Chloroethyl vinyl ether | 7.56 | 63 | 46677 | 1.95 | ug/l | <i>ATx</i> 96 |
| 53) 4-Methyl-2-Pentanone | 7.99 | 58 | 40730 | 2.86 | ug/l | 97 |
| 54) cis-1,3-Dichloropropene | 7.73 | 75 | 38942 | 0.45 | ug/l | 85 |
| 55) Toluene | 8.18 | 92 | 62741 | 0.56 | ug/l | 95 |
| 56) trans-1,3-Dichloropropene | 8.50 | 75 | 31633 | 0.48 | ug/l | 92 |
| 57) 1,1,2-Trichloroethane | 8.75 | 83 | 20100 | 0.51 | ug/l | 97 |
| 60) 2-Hexanone | 9.14 | 43 | 69105 | 2.73 | ug/l | m <i>ATx</i> 90 |
| 61) Ethyl Methacrylate | 8.63 | 69 | 32379 | 0.44 | ug/l | 90 |
| 62) 1,3-Dichloropropane | 8.98 | 76 | 38296 | 0.46 | ug/l | 89 |
| 63) Tetrachloroethene | 8.92 | 164 | 28289 | 0.47 | ug/l | 90 |
| 64) Dibromochloromethane | 9.29 | 129 | 26835 | 0.38 | ug/l | 90 |
| 65) 1,2-Dibromoethane | 9.46 | 107 | 27978 | 0.43 | ug/l | 97 |
| 66) 1-Chlorohexane | 10.15 | 91 | 47777 | 0.57 | ug/l | # 37 |
| 67) Chlorobenzene | 10.17 | 112 | 70355 | 0.48 | ug/l | 83 |
| 68) 1,1,1,2-Tetrachloroethane | 10.31 | 131 | 25845 | 0.42 | ug/l | # 76 |
| 69) Ethylbenzene | 10.35 | 91 | 116826 | 0.51 | ug/l | 91 |
| 70) Xylene P,M | 10.54 | 106 | 86105 | 0.95 | ug/l | 93 |
| 71) Xylene O | 11.14 | 106 | 41043 | 0.47 | ug/l | 95 |
| 72) Styrene | 11.18 | 104 | 67967 | 0.45 | ug/l | 100 |
| 73) Bromoform | 11.46 | 173 | 7929 | 0.63 | ug/l | m <i>ATx</i> 82 |
| 74) cis-1,4-Dichloro-2-butene | 11.86 | 75 | 1513 | 0.13 | ug/l | m <i>ATx</i> 94 |
| 77) Isopropylbenzene | 11.72 | 105 | 104270 | 0.48 | ug/l | 97 |
| 78) Trans-1,4-Dichloro-2-Buten | 12.34 | 53 | 2180 | 0.17 | ug/l | m <i>ATx</i> 1 |
| 79) 1,2,3-Trichloropropane | 12.29 | 75 | 28087 | 0.51 | ug/l | 97 |
| 80) Bromobenzene | 12.18 | 156 | 28989 | 0.49 | ug/l | # 77 |
| 81) 1,1,2,2-Tetrachloroethane | 12.22 | 83 | 33987 | 0.54 | ug/l | 87 |
| 82) n-Propylbenzene | 12.38 | 91 | 129675 | 0.52 | ug/l | 94 |
| 83) 2-Chlorotoluene | 12.50 | 91 | 89532 | 0.55 | ug/l | m <i>ATx</i> 86 |
| 84) 4-Chlorotoluene | 12.68 | 91 | 100941 | 0.54 | ug/l | m <i>ATx</i> 92 |
| 85) 1,3,5-Trimethylbenzene | 12.68 | 105 | 83743 | 0.50 | ug/l | <i>ATx</i> 95 |

(#) = qualifier out of range (m) = manual integration
 M1041657.D HI072006.M Wed Aug 09 07:53:57 2006

2007 8/9/06

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041657.D Vial: 5
 Acq On : 8 Aug 106 12:53 pm Operator: RES
 Sample : BPH0094-CAL4 Inst : VOA MASS
 Misc : Multiplr: 1.00
 Quant Time: Aug 9 7:52 19106

Method : C:\HPCHEM\1\METHODS\HI072006.M
 Title : Element ID: 0607032
 Last Update : Thu Jul 20 12:57:20 2006
 Response via : Multiple Level Calibration

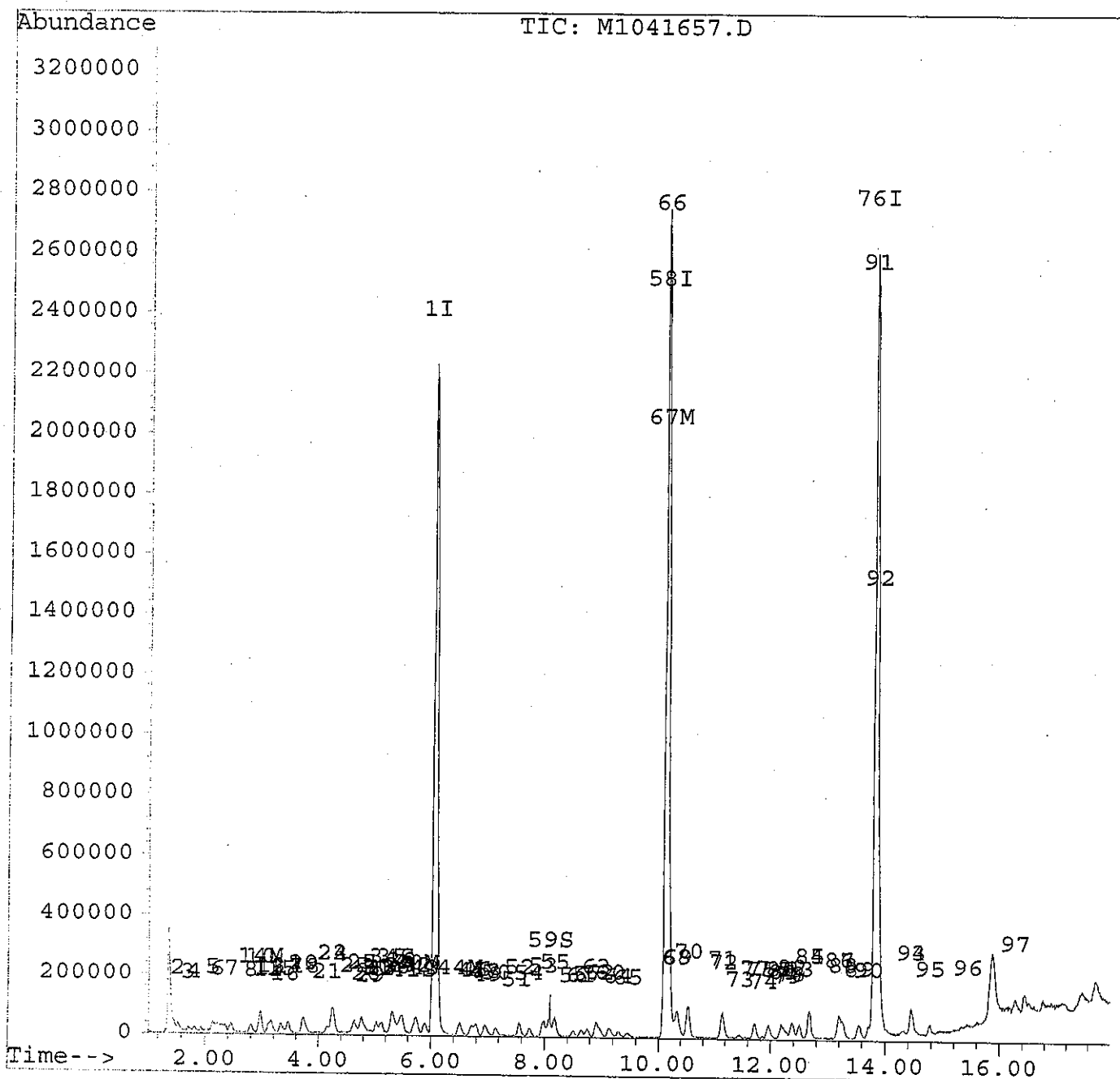
| Compound | R.T. | Q on | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|------|------|--------|
| 86) tert-Butylbenzene | 13.20 | 119 | 95931 | 0.49 | ug/l | 88 |
| 87) Pentachloroethane | 13.20 | 119 | 95931 | 0.49 | ug/l | 94 |
| 88) 1,2,4-Trimethylbenzene | 13.26 | 105 | 87961 | 0.52 | ug/l | 97 |
| 89) sec-Butylbenzene | 13.55 | 105 | 113269 | 0.54 | ug/l | 93 |
| 90) 1,3 Dichlorobenzene | 13.72 | 146 | 48427 | 0.49 | ug/l | 98 |
| 91) 4-Isopropyltoluene | 13.80 | 119 | 82054 | 0.53 | ug/l | 87 |
| 92) 1,4 Dichlorobenzene | 13.87 | 146 | 52663 | 0.50 | ug/l | 85 |
| 93) n-Butylbenzene | 14.46 | 91 | 79885 | 0.57 | ug/l | 94 |
| 94) 1,2 Dichlorobenzene | 14.46 | 146 | 41816 | 0.48 | ug/l | 96 |
| 95) Hexachloroethane | 14.77 | 117 | 17293 | 0.44 | ug/l | 86 |
| 96) 1,2-Dibromo-3-Chloropropan | 15.44 | 75 | 2698 | 0.34 | ug/l | 96 |
| 97) 1,2,4-Trichlorobenzene | 16.27 | 180 | 29185 | 0.60 | ug/l | 81 |

(#) = qualifier out of range (m) = manual integration
 M1041657.D HI072006.M Wed Aug 09 07:53:58 2006

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041657.D Vial: 5
Acq On : 8 Aug 106 12:53 pm Operator: RES
Sample : BPH0094-CAL4 Inst : VOA MASS
Misc : Multiplr: 1.00
Quant Time: Aug 9 7:52 19106

Method : C:\HPCHEM\1\METHODS\HI072006.M
Title : Element ID: 0607032
Last Update : Thu Jul 20 12:57:20 2006
Response via : Multiple Level Calibration

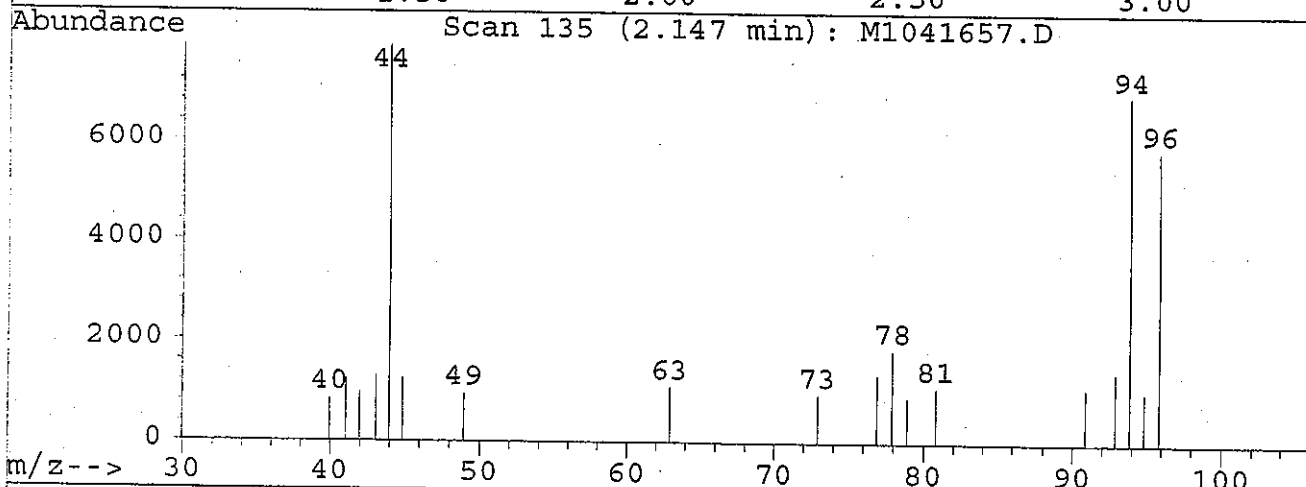
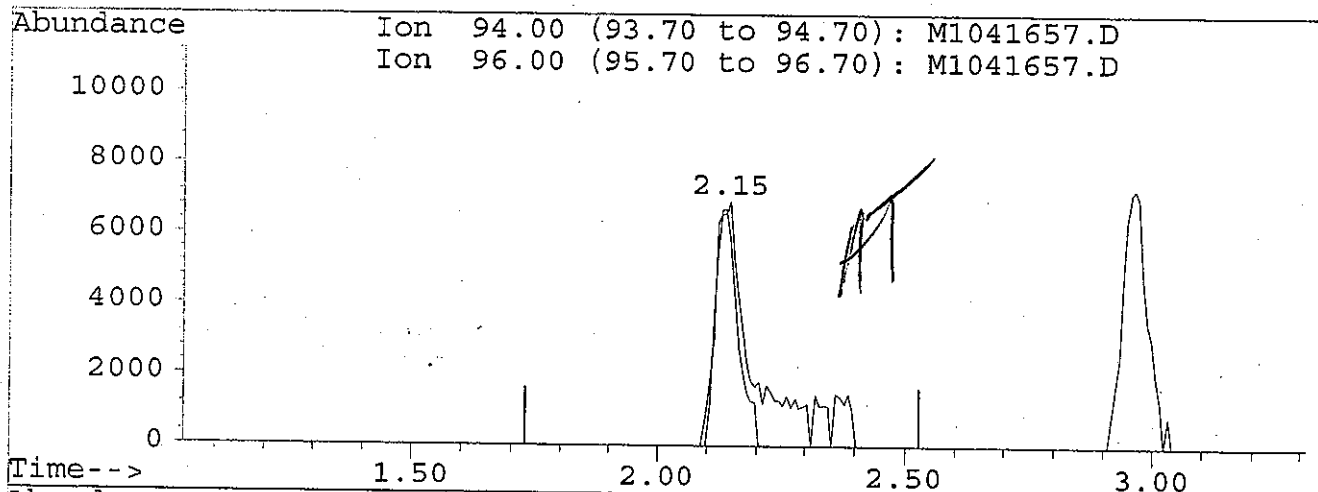


Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041657.D
 Acq On : 8 Aug 106 12:53 pm
 Sample : BPH0094-CAL4
 Misc :
 Quant Time: Aug 8 13:11 19106

Vial: 5
 Operator: RES
 Inst : VOA MASS
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\HI072006.M
 Title : Element ID: 0607032
 Last Update : Thu Jul 20 12:57:20 2006
 Response via : Multiple Level Calibration



TIC: M1041657.D

(5) Bromomethane
 2.15min 0.94ug/l
 response 33846

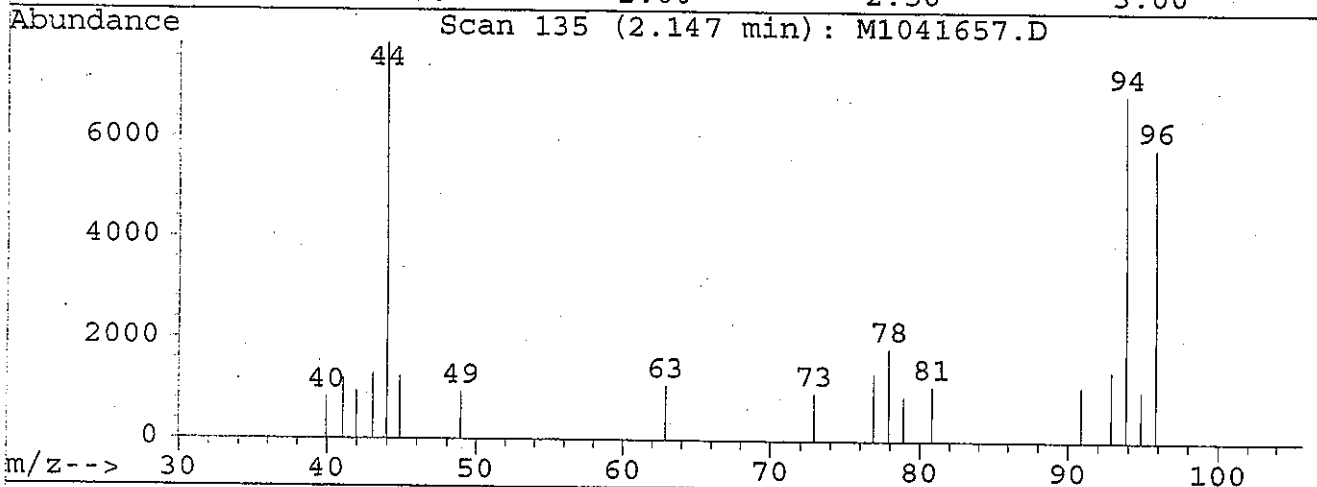
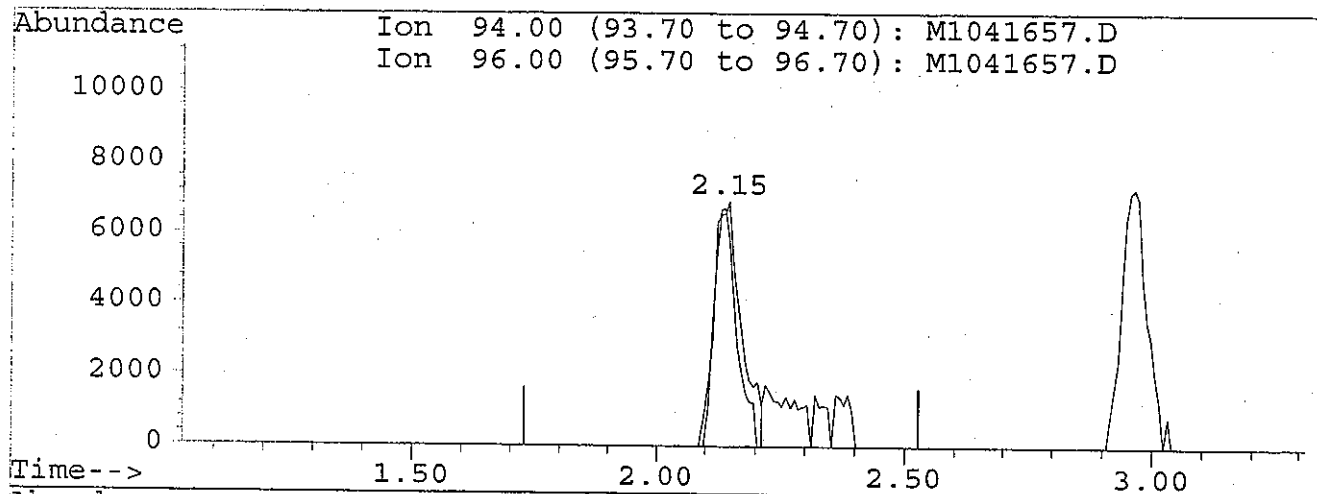
| Ion | Exp% | Act% |
|-------|-------|-------|
| 94.00 | 100 | 100 |
| 96.00 | 94.20 | 84.53 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041657.D
 Acq On : 8 Aug 106 12:53 pm
 Sample : BPH0094-CAL4
 Misc :
 Quant Time: Aug 9 7:44 19106

Vial: 5
 Operator: RES
 Inst : VOA MASS
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\HI072006.M
 Title : Element ID: 0607032
 Last Update : Thu Jul 20 12:57:20 2006
 Response via : Multiple Level Calibration



TIC: M1041657.D

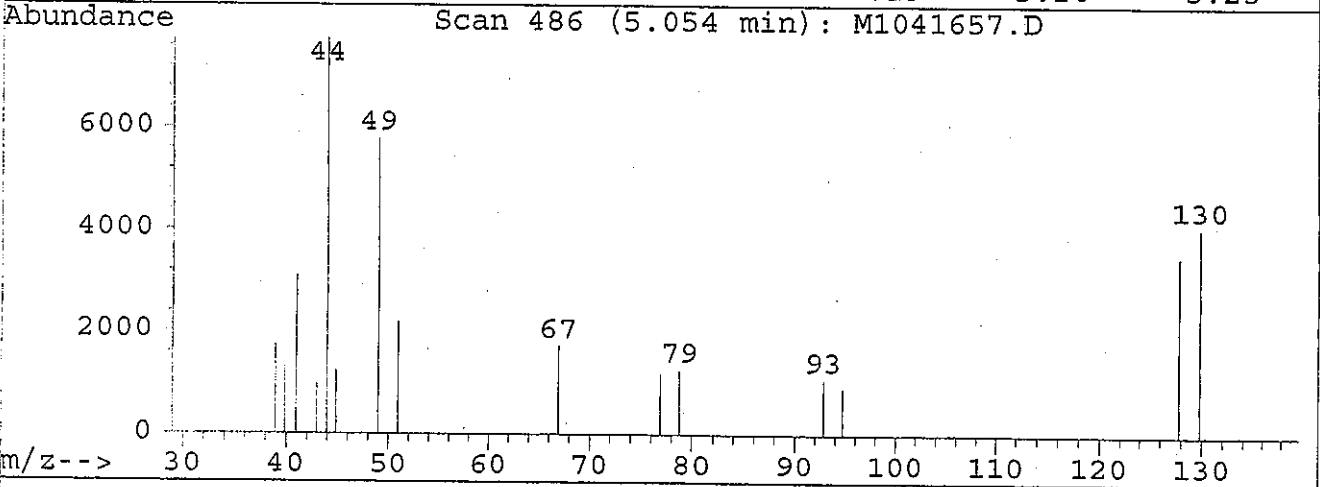
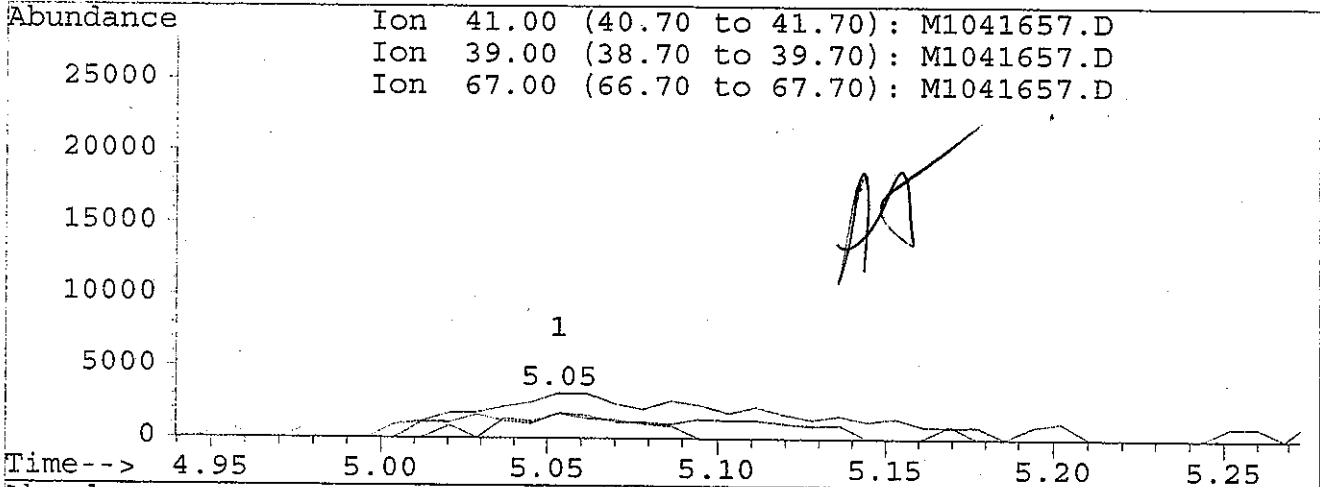
(5) Bromomethane
 2.15min 0.74ug/l m
 response 26782

| Ion | Exp% | Act% |
|-------|-------|-------|
| 94.00 | 100 | 100 |
| 96.00 | 94.20 | 84.53 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041657.D Vial: 5
 Acq On : 8 Aug 106 12:53 pm Operator: RES
 Sample : BPH0094-CAL4 Inst : VOA MASS
 Misc : Multiplr: 1.00
 Quant Time: Aug 9 7:44 19106

Method : C:\HPCHEM\1\METHODS\HI072006.M
 Title : Element ID: 0607032
 Last Update : Thu Jul 20 12:57:20 2006
 Response via : Multiple Level Calibration



TIC: M1041657.D

(31) Methacrylonitrile

5.05min 1.17ug/l

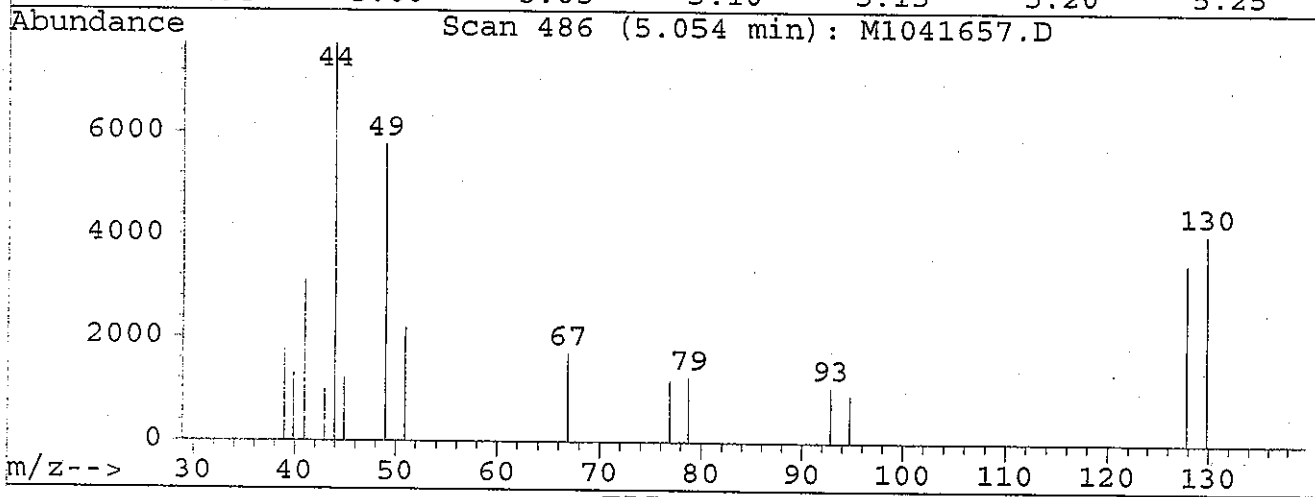
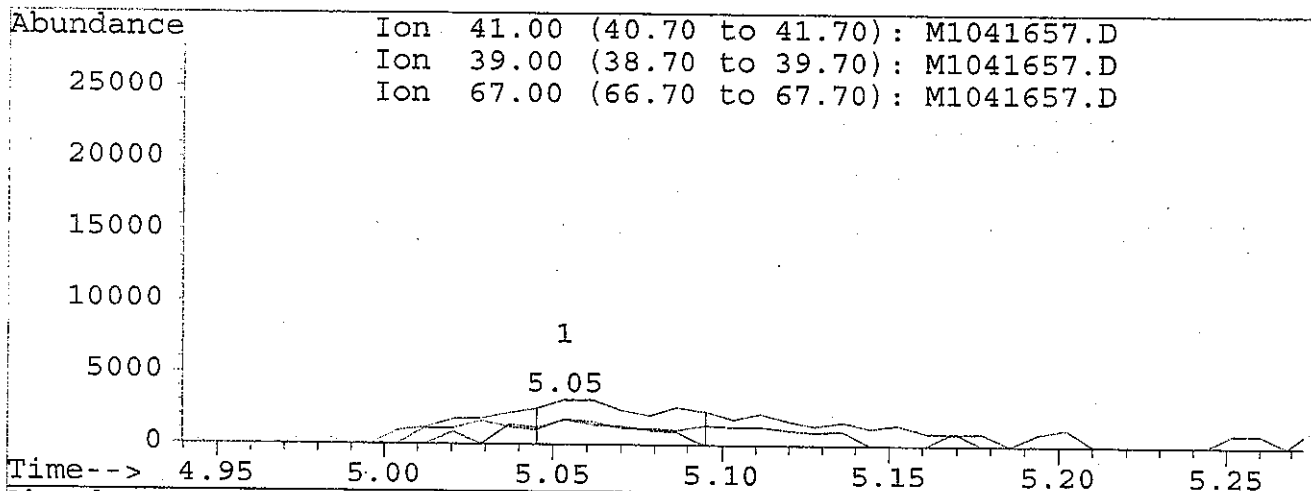
response 19579

| Ion | Exp% | Act% |
|-------|-------|-------|
| 41.00 | 100 | 100 |
| 39.00 | 46.30 | 56.56 |
| 67.00 | 53.70 | 55.04 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041657.D Vial: 5
 Acq On : 8 Aug 106 12:53 pm Operator: RES
 Sample : BPH0094-CAL4 Inst : VOA MASS
 Misc : Multiplr: 1.00
 Quant Time: Aug 9 7:47 19106

Method : C:\HPCHEM\1\METHODS\HI072006.M
 Title : Element ID: 0607032
 Last Update : Thu Jul 20 12:57:20 2006
 Response via : Multiple Level Calibration



TIC: M1041657.D

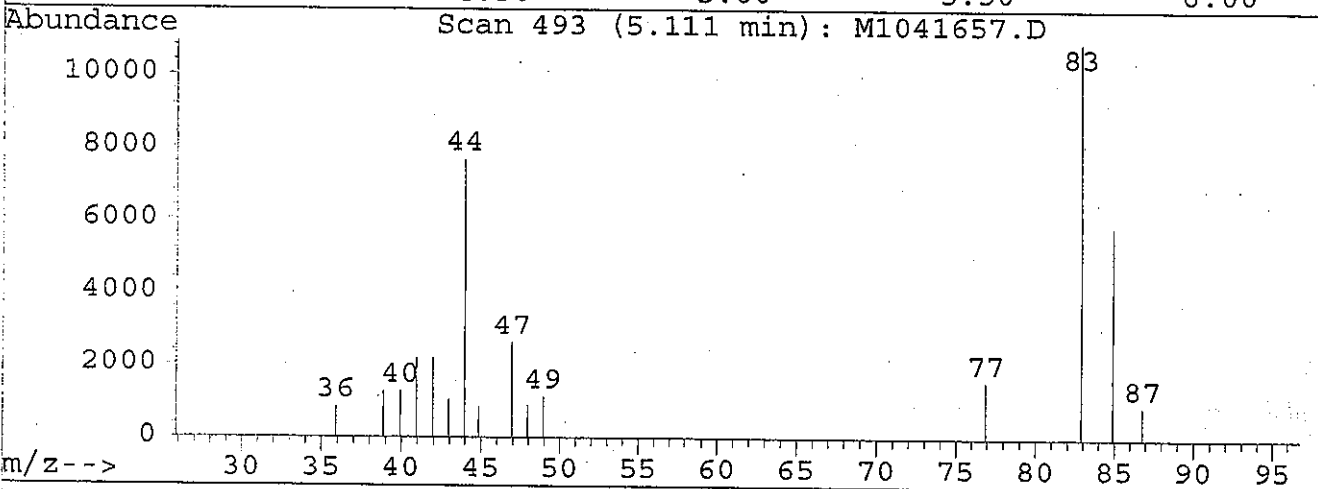
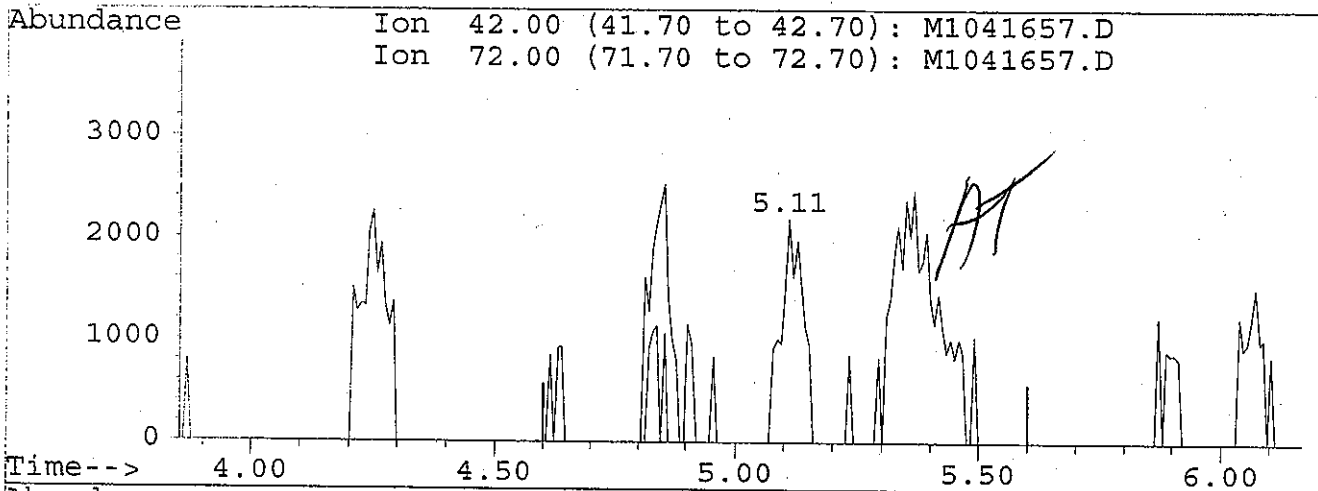
(31) Methacrylonitrile
 5.05min 0.46ug/l m
 response 7691

| Ion | Exp% | Act% |
|-------|-------|-------|
| 41.00 | 100 | 100 |
| 39.00 | 46.30 | 56.56 |
| 67.00 | 53.70 | 55.04 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041657.D Vial: 5
 Acq On : 8 Aug 106 12:53 pm Operator: RES
 Sample : BPH0094-CAL4 Inst : VOA MASS
 Misc : Multiplr: 1.00
 Quant Time: Aug 9 7:47 19106

Method : C:\HPCHEM\1\METHODS\HI072006.M
 Title : Element ID: 0607032
 Last Update : Thu Jul 20 12:57:20 2006
 Response via : Multiple Level Calibration



TIC: M1041657.D

(32) Tetrahydrofuran

5.11min 1.02ug/l

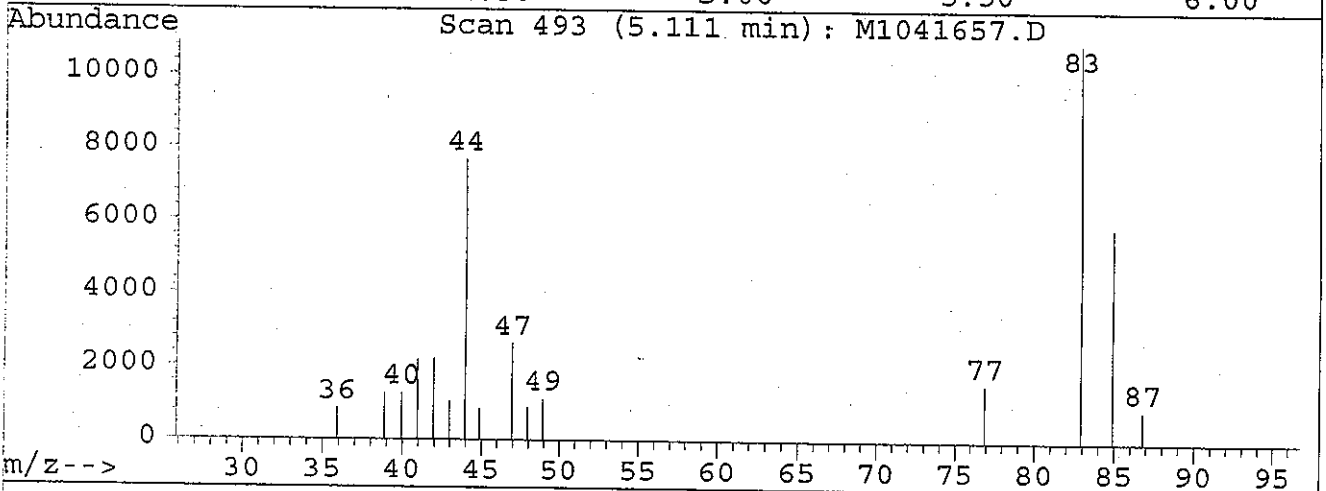
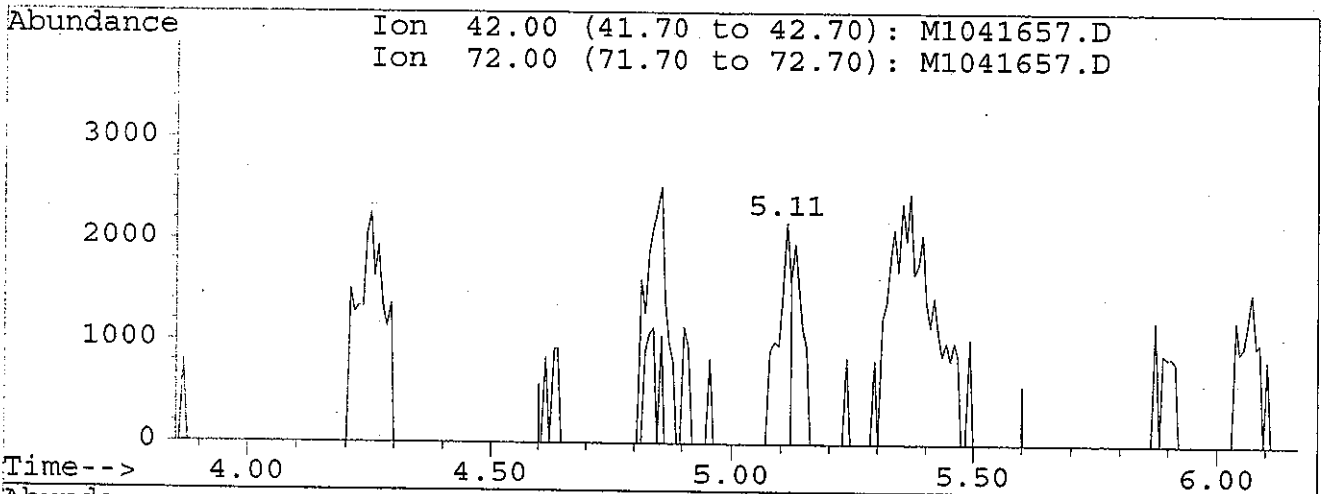
response 6846

| Ion | Exp% | Act% |
|-------|-------|-------|
| 42.00 | 100 | 100 |
| 72.00 | 37.90 | 0.00# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041657.D Vial: 5
 Acq On : 8 Aug 106 12:53 pm Operator: RES
 Sample : BPH0094-CAL4 Inst : VOA MASS
 Misc : Multiplr: 1.00
 Quant Time: Aug 9 7:47 19106

Method : C:\HPCHEM\1\METHODS\HI072006.M
 Title : Element ID: 0607032
 Last Update : Thu Jul 20 12:57:20 2006
 Response via : Multiple Level Calibration



TIC: M1041657.D

(32) Tetrahydrofuran
 5.11min 0.60ug/l m
 response 4056

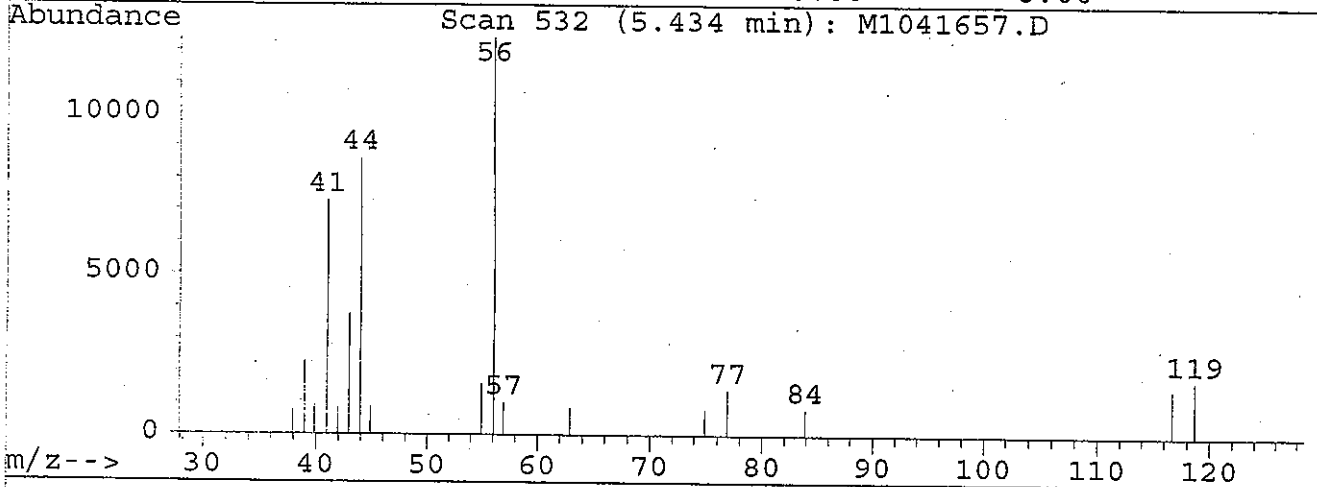
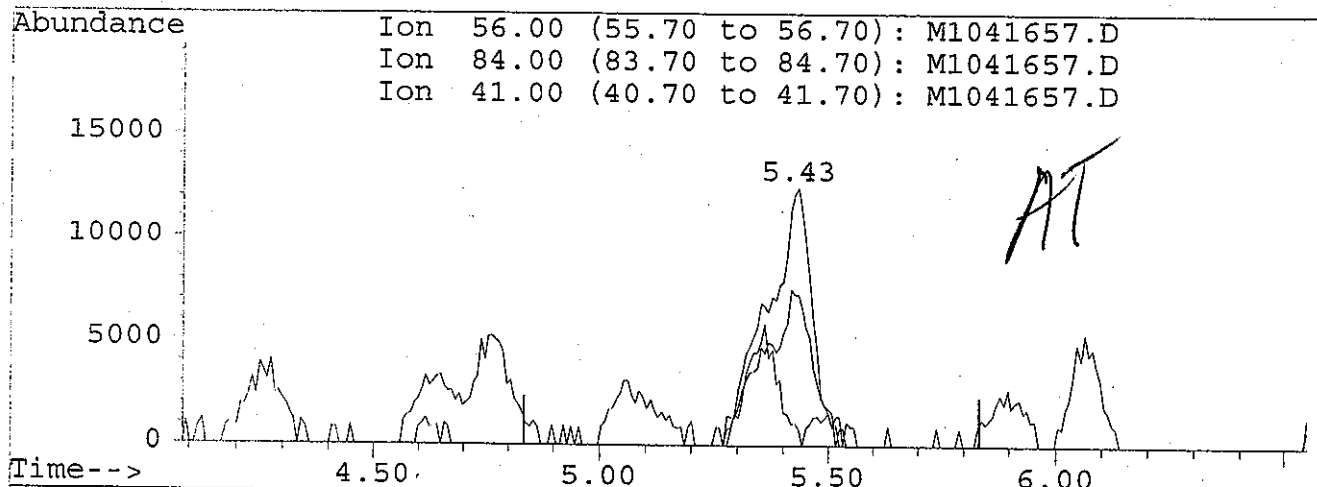
| Ion | Exp% | Act% |
|-------|-------|------|
| 42.00 | 100 | 100 |
| 72.00 | 37.90 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041657.D
 Acq On : 8 Aug 106 12:53 pm
 Sample : BPH0094-CAL4
 Misc :
 Quant Time: Aug 9 7:47 19106

Vial: 5
 Operator: RES
 Inst : VOA MASS
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\HI072006.M
 Title : Element ID: 0607032
 Last Update : Thu Jul 20 12:57:20 2006
 Response via : Multiple Level Calibration



TIC: M1041657.D

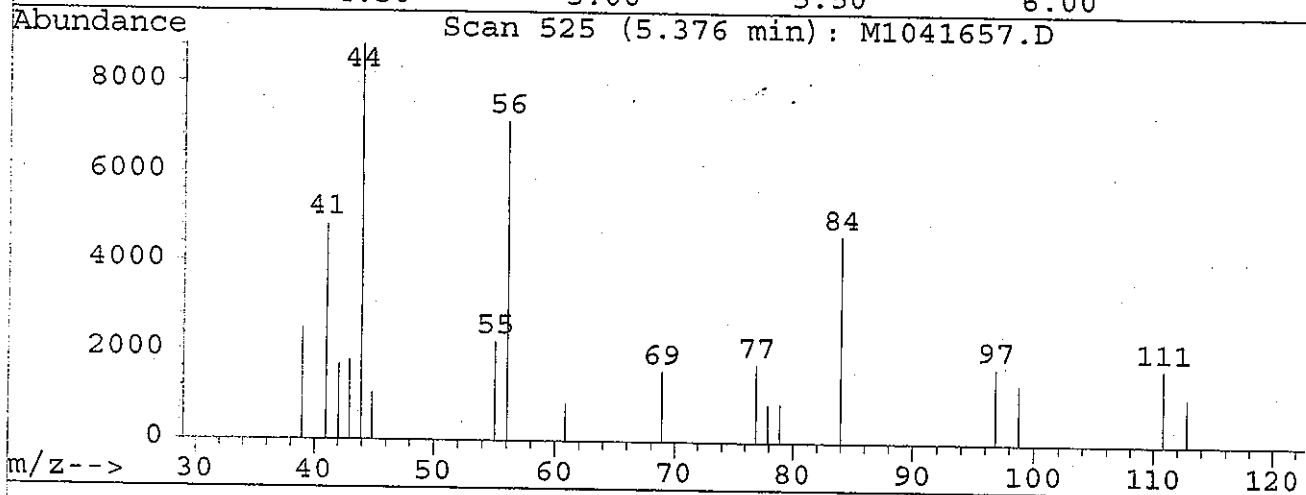
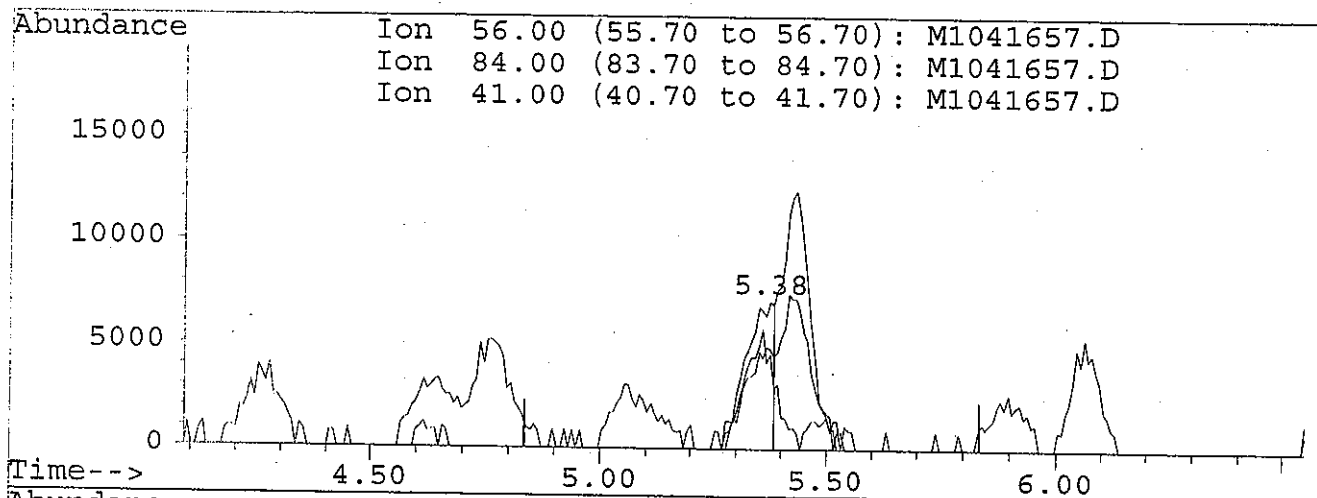
(36) Cyclohexane
 5.43min 1.73ug/l
 response 86153

| Ion | Exp% | Act% |
|-------|-------|-------|
| 56.00 | 100 | 100 |
| 84.00 | 80.50 | 6.61# |
| 41.00 | 55.70 | 58.58 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041657.D Vial: 5
 Acq On : 8 Aug 106 12:53 pm Operator: RES
 Sample : BPH0094-CAL4 Inst : VOA MASS
 Misc : Multiplr: 1.00
 Quant Time: Aug 9 7:47 19106

Method : C:\HPCHEM\1\METHODS\HI072006.M
 Title : Element ID: 0607032
 Last Update : Thu Jul 20 12:57:20 2006
 Response via : Multiple Level Calibration



TIC: M1041657.D

(36) Cyclohexane
 5.38min 0.64ug/l m
 response 31643

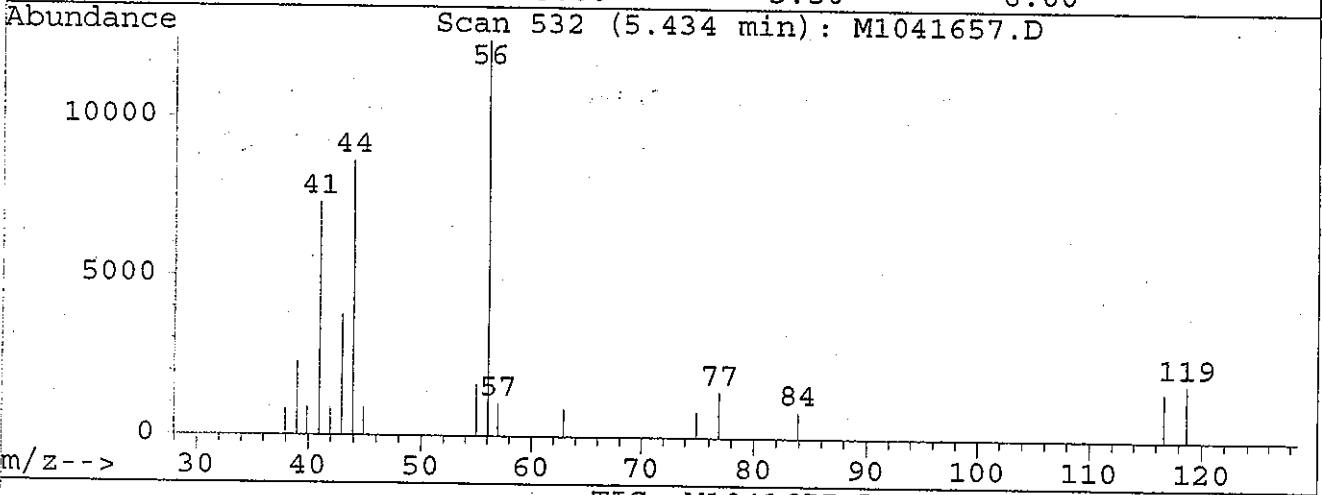
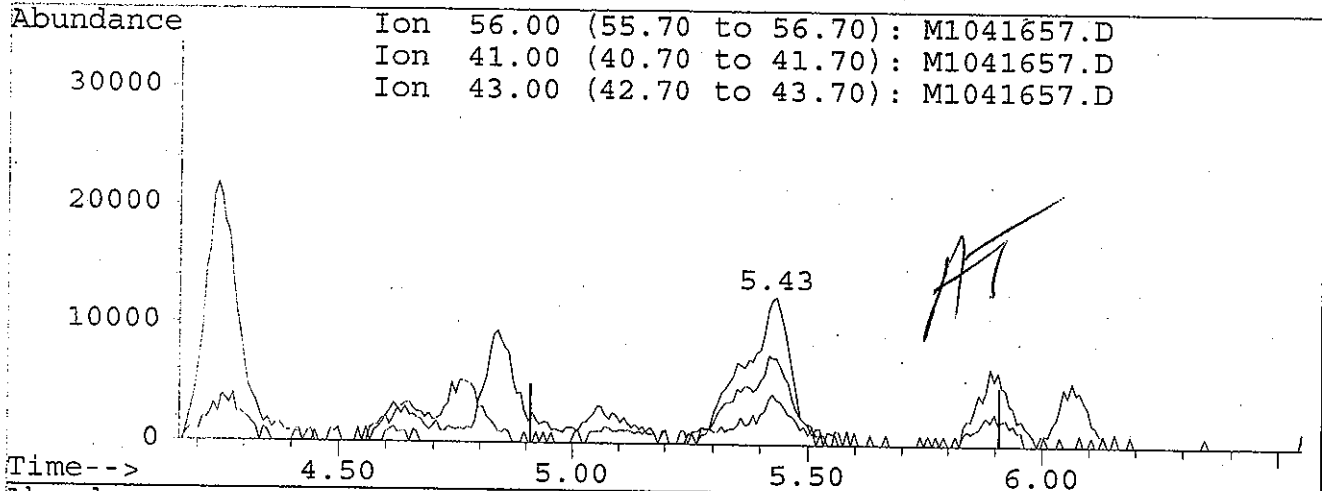
| Ion | Exp% | Act% |
|-------|-------|-------|
| 56.00 | 100 | 100 |
| 84.00 | 80.50 | 64.66 |
| 41.00 | 55.70 | 67.86 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041657.D
 Acq On : 8 Aug 106 12:53 pm
 Sample : BPH0094-CAL4
 Misc :
 Quant Time: Aug 9 7:47 19106

Vial: 5
 Operator: RES
 Inst : VOA MASS
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\HI072006.M
 Title : Element ID: 0607032
 Last Update : Thu Jul 20 12:57:20 2006
 Response via : Multiple Level Calibration



TIC: M1041657.D

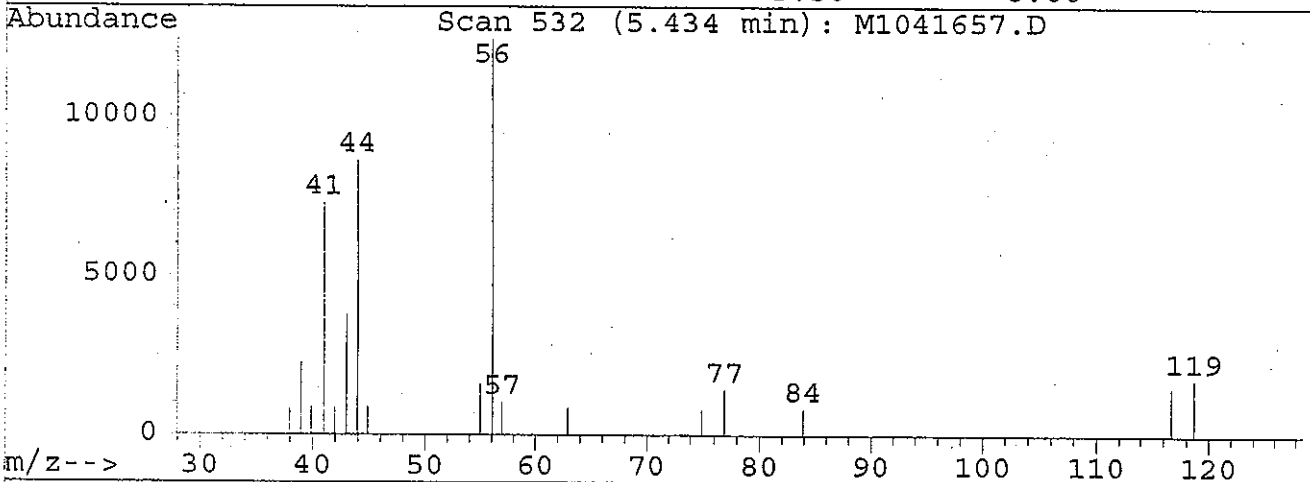
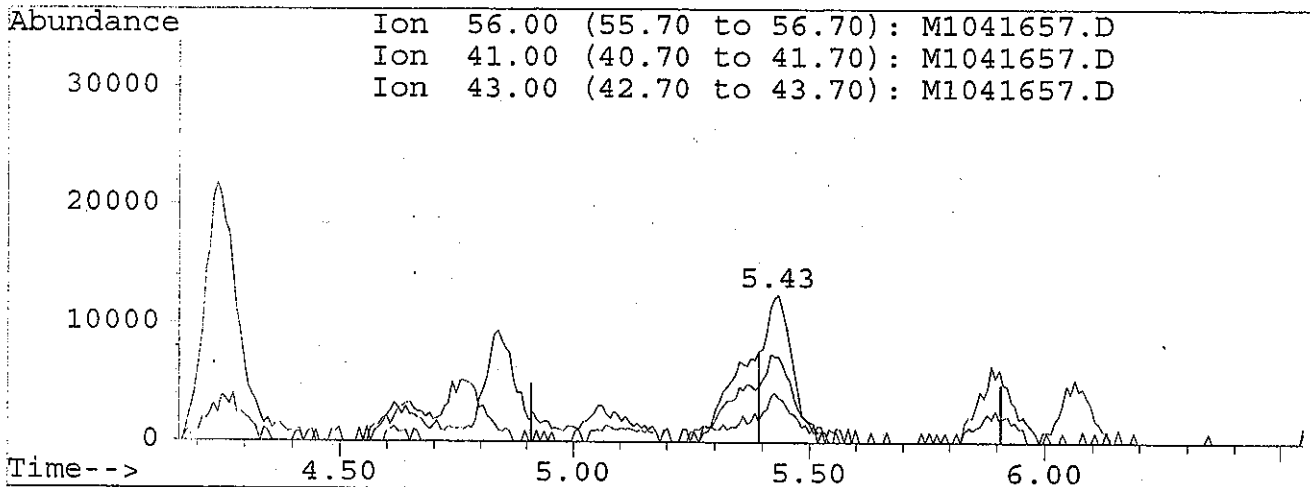
(37) 1-Chlorobutane
 5.43min 0.92ug/l
 response 86153

| Ion | Exp% | Act% |
|-------|-------|-------|
| 56.00 | 100 | 100 |
| 41.00 | 58.00 | 58.58 |
| 43.00 | 27.10 | 30.42 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041657.D Vial: 5
 Acq On : 8 Aug 106 12:53 pm Operator: RES
 Sample : BPH0094-CAL4 Inst : VOA MASS
 Misc : Multiplr: 1.00
 Quant Time: Aug 9 7:47 19106

Method : C:\HPCHEM\1\METHODS\HI072006.M
 Title : Element ID: 0607032
 Last Update : Thu Jul 20 12:57:20 2006
 Response via : Multiple Level Calibration



TIC: M1041657.D

(37) 1-Chlorobutane
 5.43min 0.54ug/l m
 response 50680

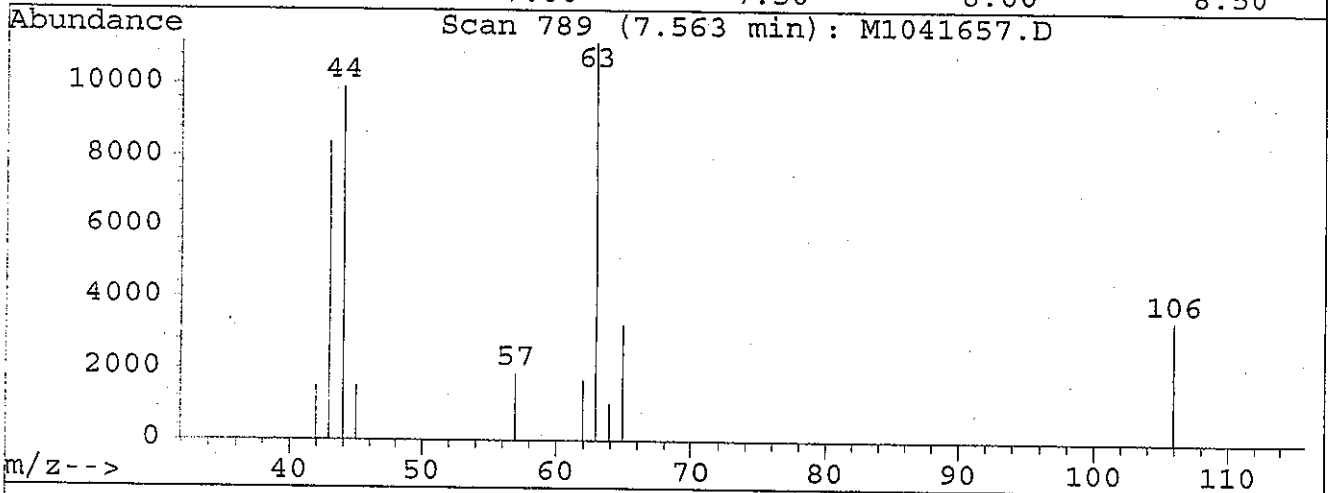
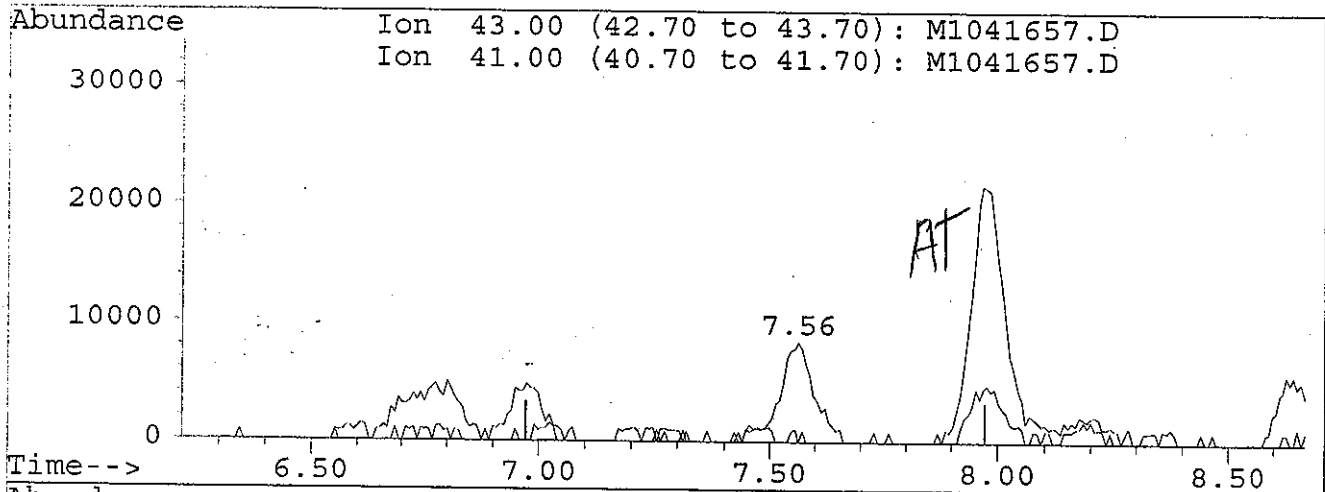
| Ion | Exp% | Act% |
|-------|-------|-------|
| 56.00 | 100 | 100 |
| 41.00 | 58.00 | 58.58 |
| 43.00 | 27.10 | 30.42 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041657.D
 Acq On : 8 Aug 106 12:53 pm
 Sample : BPH0094-CAL4
 Misc :
 Quant Time: Aug 9 7:47 19106

Vial: 5
 Operator: RES
 Inst : VOA MASS
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\HI072006.M
 Title : Element ID: 0607032
 Last Update : Thu Jul 20 12:57:20 2006
 Response via : Multiple Level Calibration



TIC: M1041657.D

(51) 2-Nitropropane

7.56min 5.91ug/l

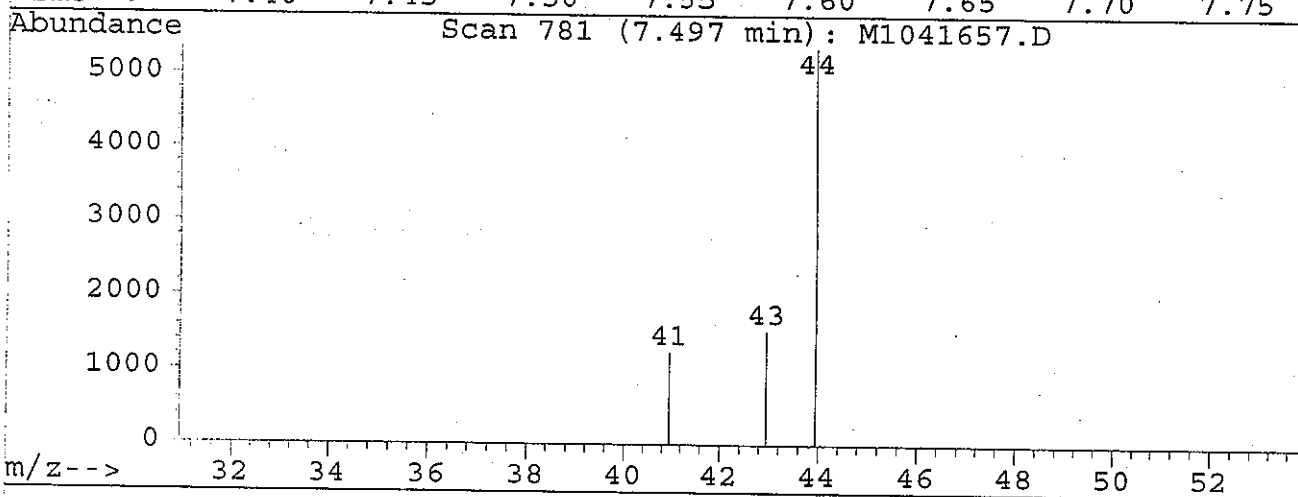
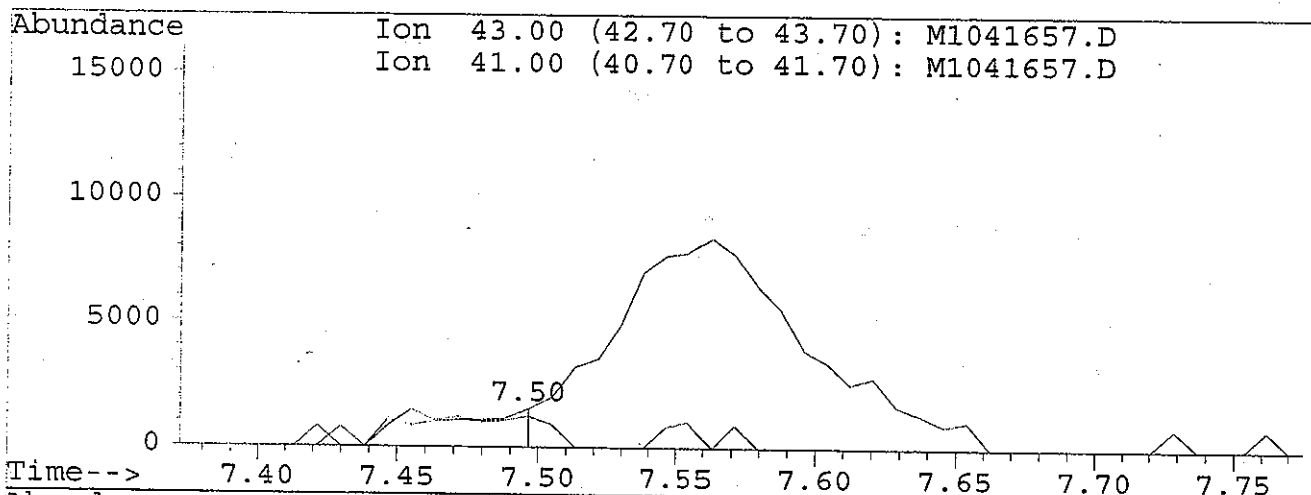
response 44585

| Ion | Exp% | Act% |
|-------|-------|-------|
| 43.00 | 100 | 100 |
| 41.00 | 48.00 | 0.00# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041657.D Vial: 5
 Acq On : 8 Aug 106 12:53 pm Operator: RES
 Sample : BPH0094-CAL4 Inst : VOA MASS
 Misc : Multiplr: 1.00
 Quant Time: Aug 9 7:48 19106

Method : C:\HPCHEM\1\METHODS\HI072006.M
 Title : Element ID: 0607032
 Last Update : Thu Jul 20 12:57:20 2006
 Response via : Multiple Level Calibration



TIC: M1041657.D

(51) 2-Nitropropane
 7.50min 0.51ug/l m
 response 3861

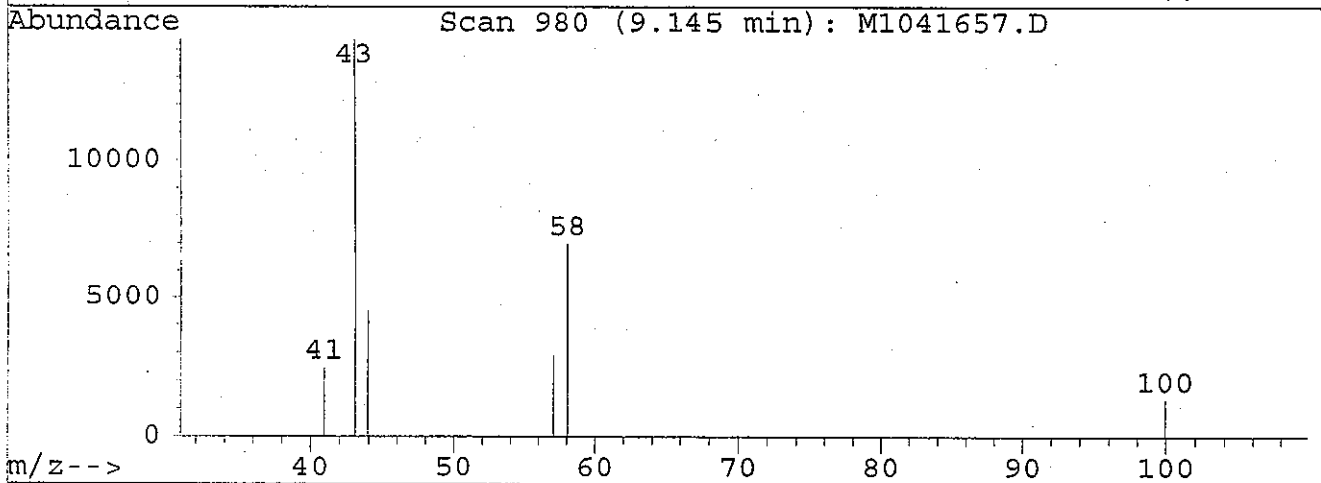
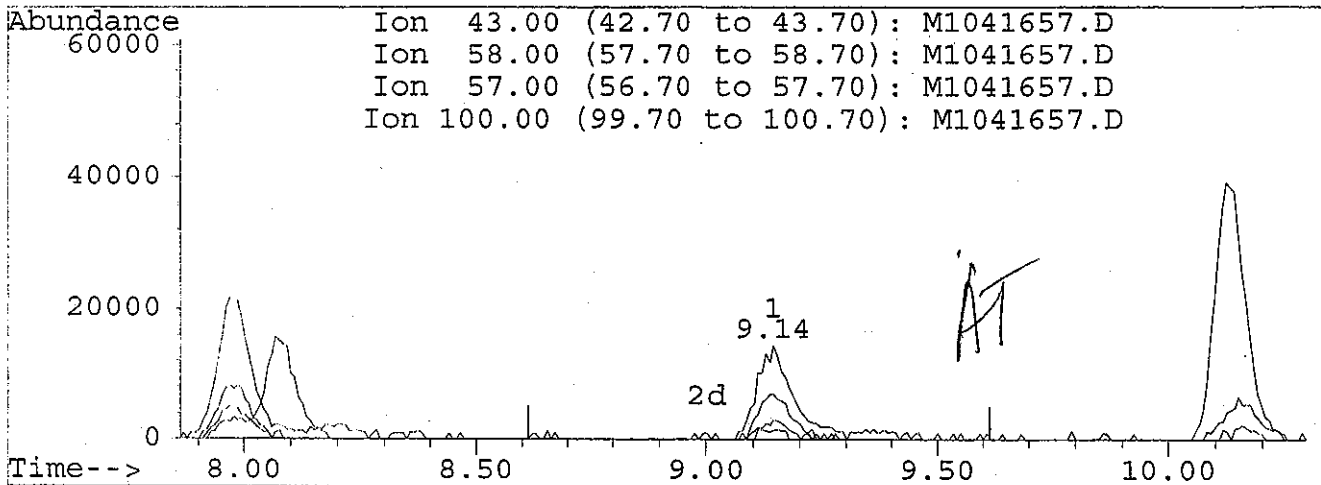
| Ion | Exp% | Act% |
|-------|-------|-------|
| 43.00 | 100 | 100 |
| 41.00 | 48.00 | 80.97 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041657.D
 Acq On : 8 Aug 106 12:53 pm
 Sample : BPH0094-CAL4
 Misc :
 Quant Time: Aug 9 7:48 19106

Vial: 5
 Operator: RES
 Inst : VOA MASS
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\HI072006.M
 Title : Element ID: 0607032
 Last Update : Thu Jul 20 12:57:20 2006
 Response via : Multiple Level Calibration



TIC: M1041657.D

(60) 2-Hexanone
 9.14min 3.04ug/l
 response 76890

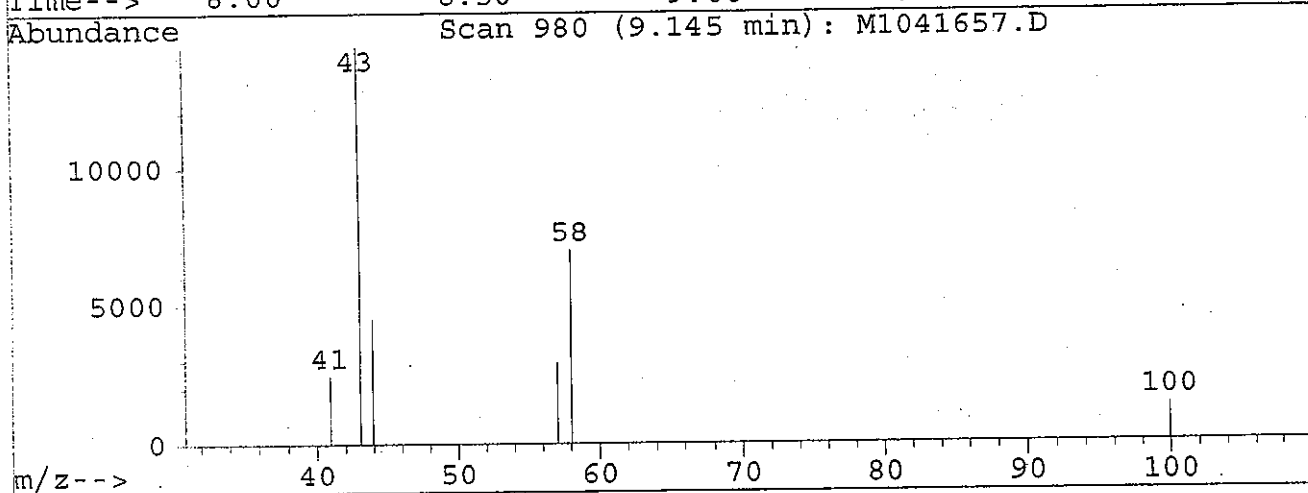
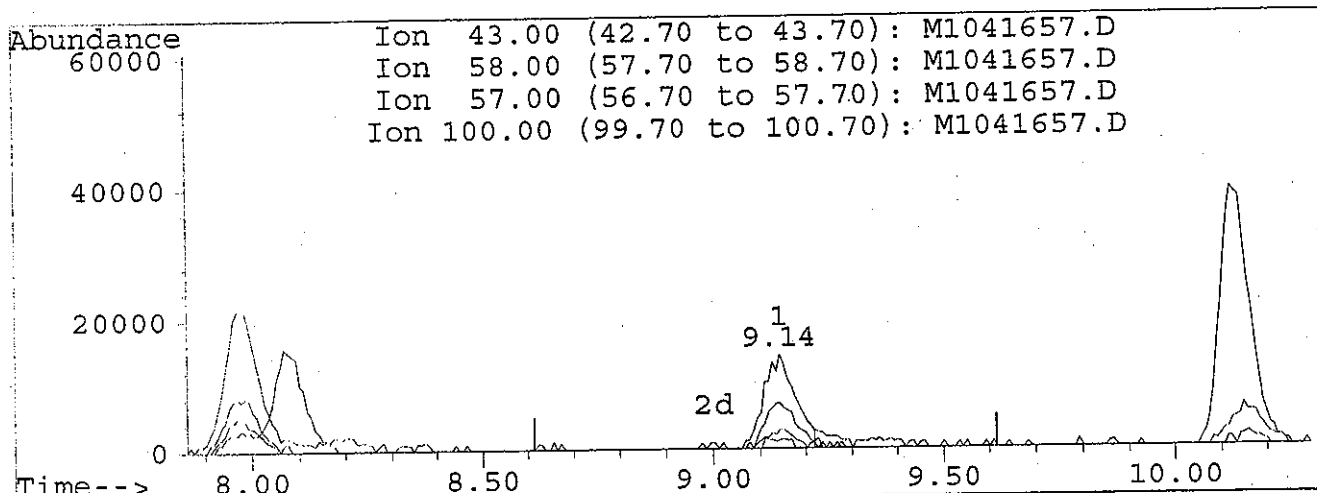
| Ion | Exp% | Act% |
|--------|-------|-------|
| 43.00 | 100 | 100 |
| 58.00 | 56.20 | 48.55 |
| 57.00 | 16.60 | 20.33 |
| 100.00 | 12.40 | 9.43 |

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041657.D
 Acq On : 8 Aug 106 12:53 pm
 Sample : BPH0094-CAL4
 Misc :
 Quant Time: Aug 9 7:48 19106

Vial: 5
 Operator: RES
 Inst : VOA MASS
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\HI072006.M
 Title : Element ID: 0607032
 Last Update : Thu Jul 20 12:57:20 2006
 Response via : Multiple Level Calibration



TIC: M1041657.D

(60) 2-Hexanone
 9.14min 2.73ug/l m
 response 69105

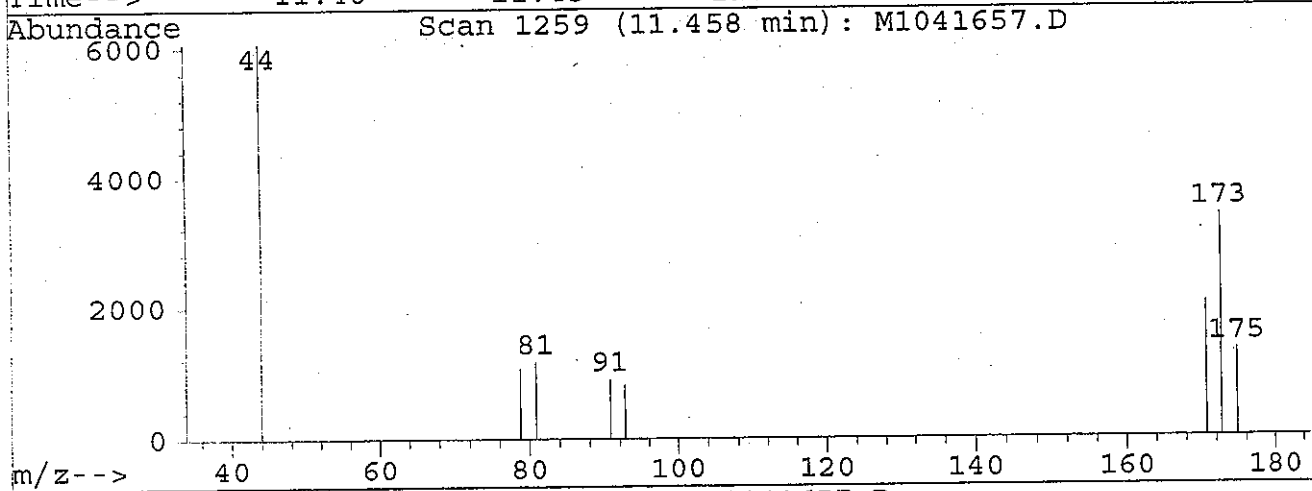
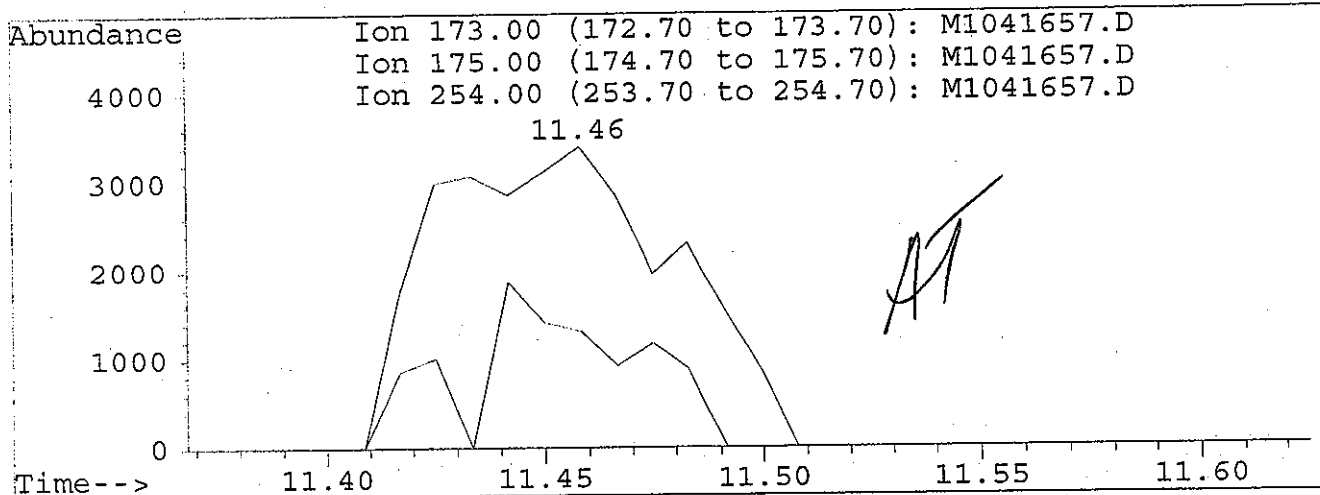
| Ion | Exp% | Act% |
|--------|-------|-------|
| 43.00 | 100 | 100 |
| 58.00 | 56.20 | 48.55 |
| 57.00 | 16.60 | 20.33 |
| 100.00 | 12.40 | 9.43 |

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041657.D
 Acq On : 8 Aug 106 12:53 pm
 Sample : BPH0094-CAL4
 Misc :
 Quant Time: Aug 9 7:48 19106

Vial: 5
 Operator: RES
 Inst : VOA MASS
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\HI072006.M
 Title : Element ID: 0607032
 Last Update : Thu Jul 20 12:57:20 2006
 Response via : Multiple Level Calibration



TIC: M1041657.D

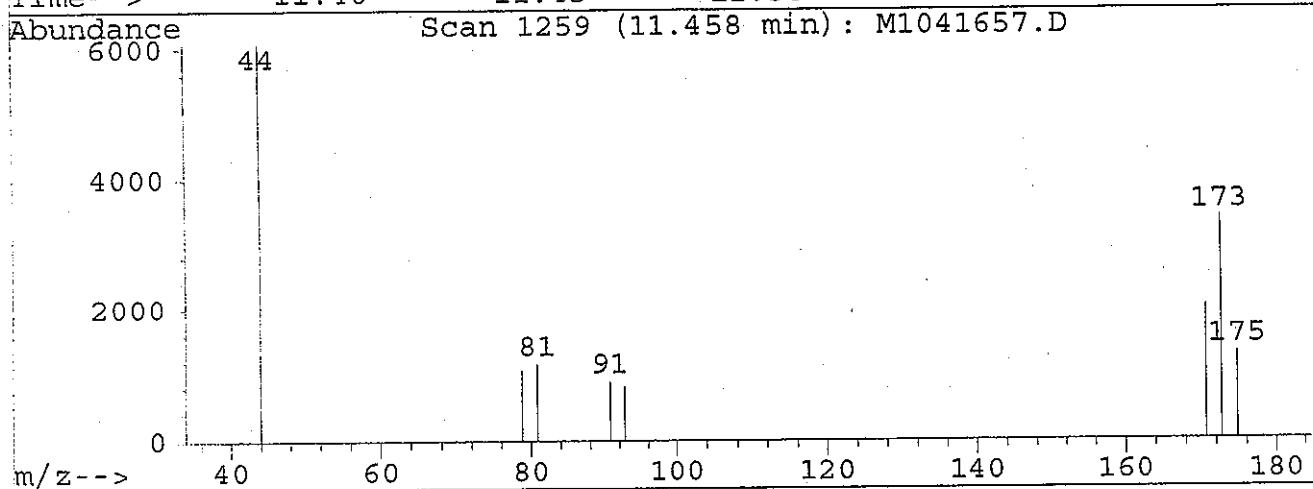
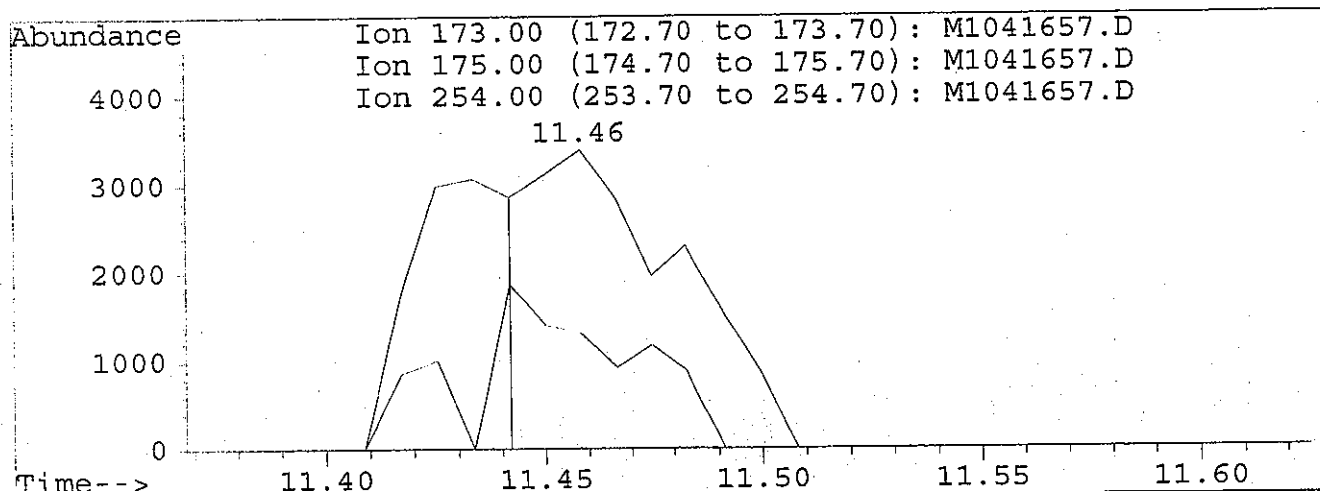
(73) Bromoform
 11.46min 0.74ug/l
 response 13253

| Ion | Exp% | Act% |
|--------|-------|-------|
| 173.00 | 100 | 100 |
| 175.00 | 48.70 | 38.63 |
| 254.00 | 12.70 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041657.D Vial: 5
 Acq On : 8 Aug 106 12:53 pm Operator: RES
 Sample : BPH0094-CAL4 Inst : VOA MASS
 Misc : Multiplr: 1.00
 Quant Time: Aug 9 7:49 19106

Method : C:\HPCHEM\1\METHODS\HI072006.M
 Title : Element ID: 0607032
 Last Update : Thu Jul 20 12:57:20 2006
 Response via : Multiple Level Calibration



TIC: M1041657.D

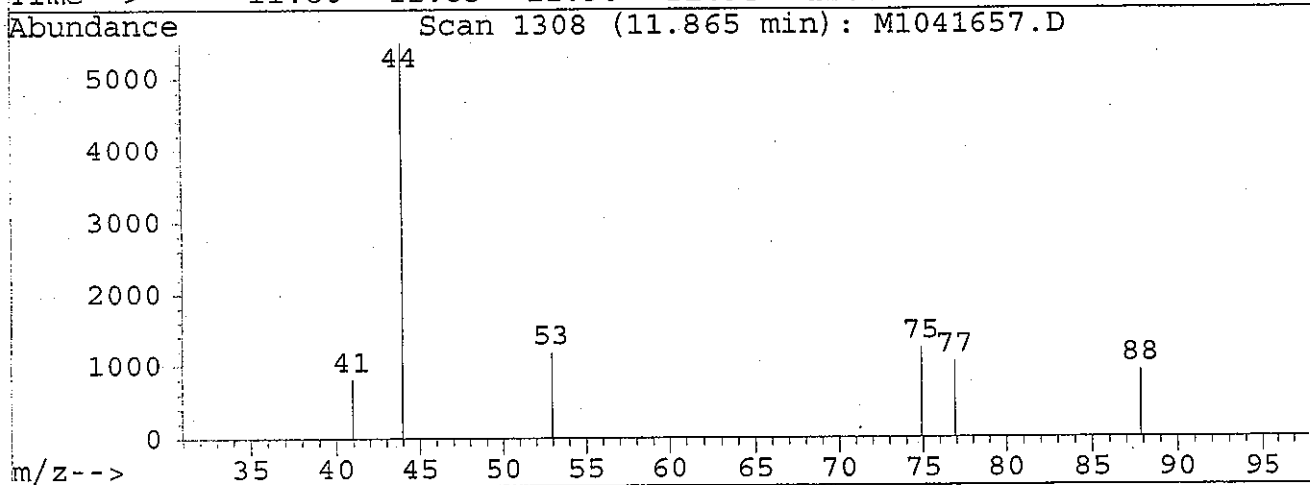
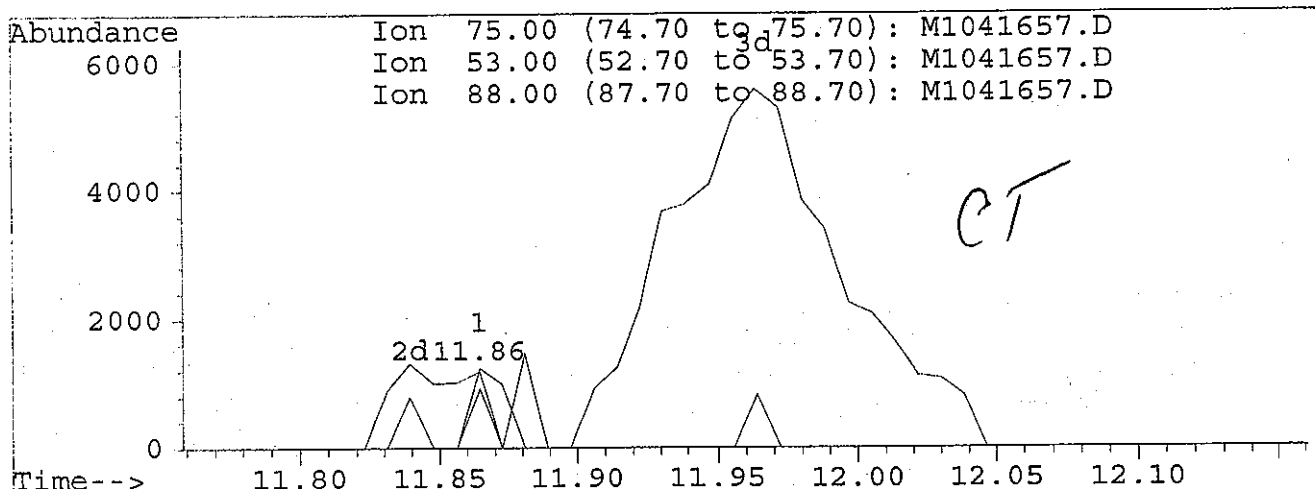
(73) Bromoform
 11.46min 0.63ug/l m
 response 7929

| Ion | Exp% | Act% |
|--------|-------|-------|
| 173.00 | 100 | 100 |
| 175.00 | 48.70 | 38.63 |
| 254.00 | 12.70 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041657.D Vial: 5
 Acq On : 8 Aug 106 12:53 pm Operator: RES
 Sample : BPH0094-CAL4 Inst : VOA MASS
 Misc : Multiplr: 1.00
 Quant Time: Aug 9 7:49 19106

Method : C:\HPCHEM\1\METHODS\HI072006.M
 Title : Element ID: 0607032
 Last Update : Thu Jul 20 12:57:20 2006
 Response via : Multiple Level Calibration



TIC: M1041657.D

(74) cis1,4-Dichloro-2-butene
 11.86min 0.10ug/l
 response 1108

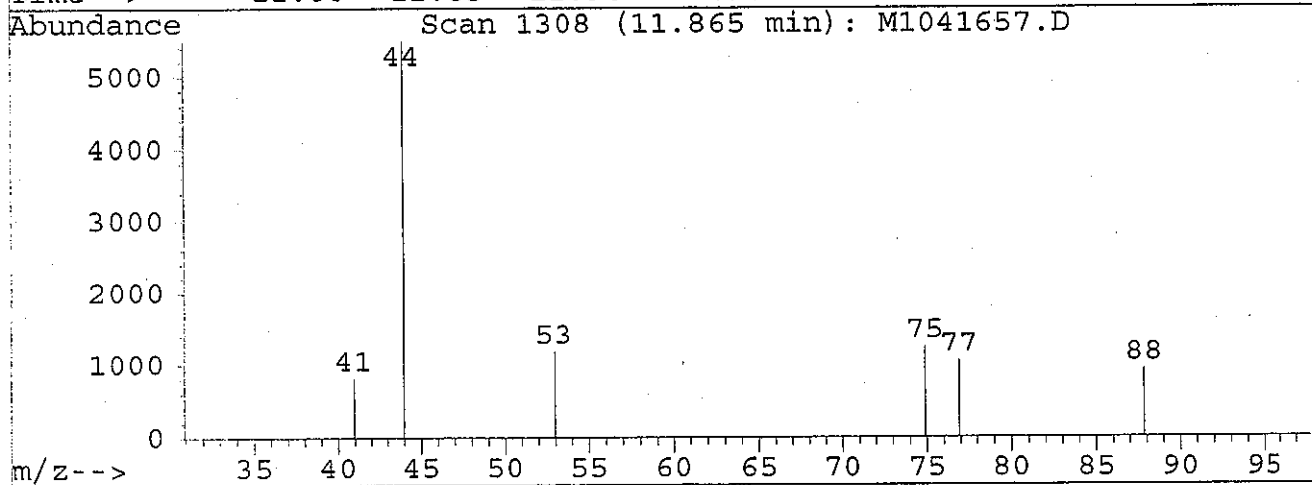
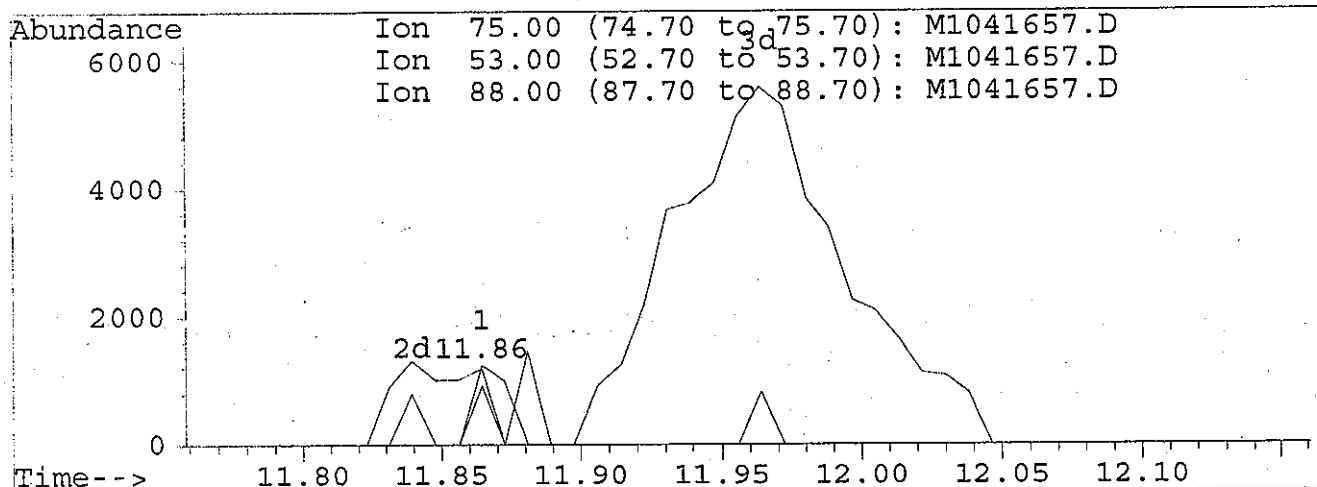
| Ion | Exp% | Act% |
|-------|-------|-------|
| 75.00 | 100 | 100 |
| 53.00 | 85.00 | 95.33 |
| 88.00 | 75.20 | 74.32 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041657.D
 Acq On : 8 Aug 106 12:53 pm
 Sample : BPH0094-CAL4
 Misc :
 Quant Time: Aug 9 7:50 19106

Vial: 5
 Operator: RES
 Inst : VOA MASS
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\HI072006.M
 Title : Element ID: 0607032
 Last Update : Thu Jul 20 12:57:20 2006
 Response via : Multiple Level Calibration



TIC: M1041657.D

(74) cis1,4-Dichloro-2-butene
 11.86min 0.13ug/l m
 response 1513

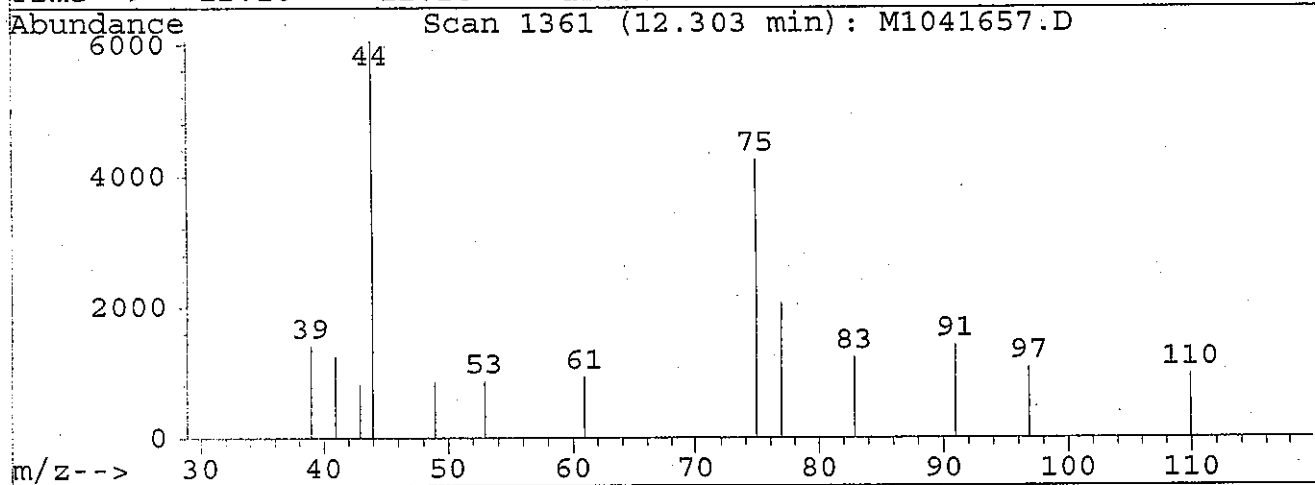
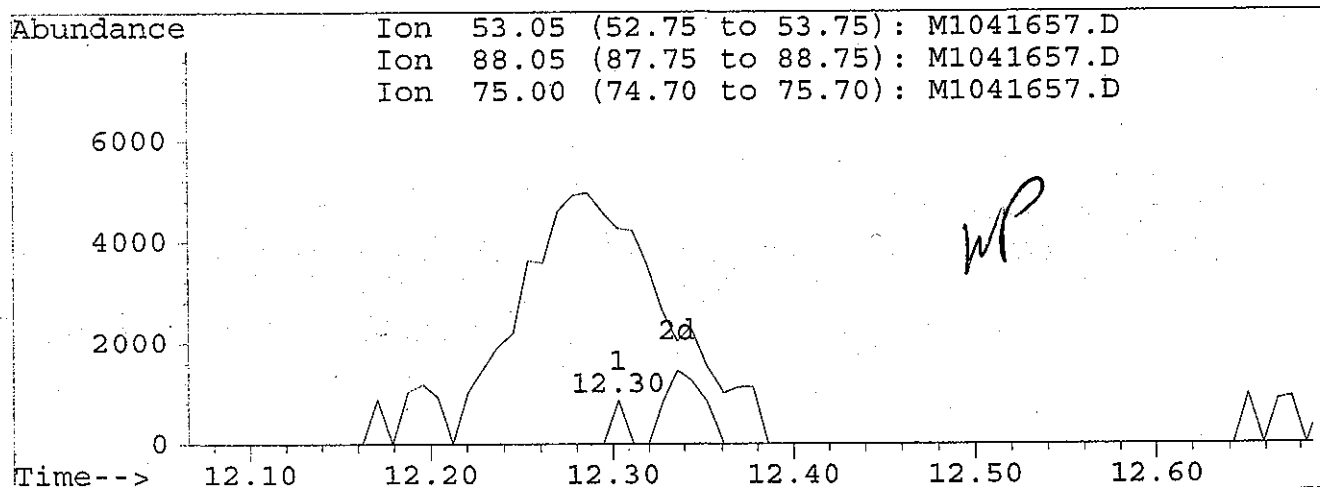
| Ion | Exp% | Act% |
|-------|-------|-------|
| 75.00 | 100 | 100 |
| 53.00 | 85.00 | 95.33 |
| 88.00 | 75.20 | 74.32 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041657.D
 Acq On : 8 Aug 106 12:53 pm
 Sample : BPH0094-CAL4
 Misc :
 Quant Time: Aug 9 7:50 19106

Vial: 5
 Operator: RES
 Inst : VOA MASS
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\HI072006.M
 Title : Element ID: 0607032
 Last Update : Thu Jul 20 12:57:20 2006
 Response via : Multiple Level Calibration



TIC: M1041657.D

(78) Trans-1,4-Dichloro-2-Butene
 12.30min 0.03ug/l
 response 427

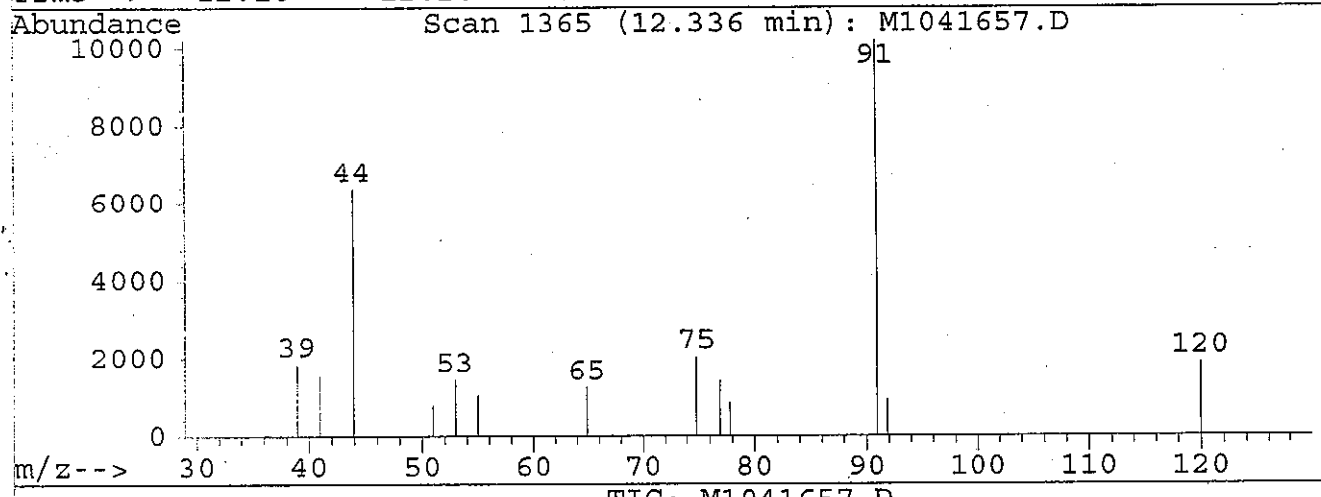
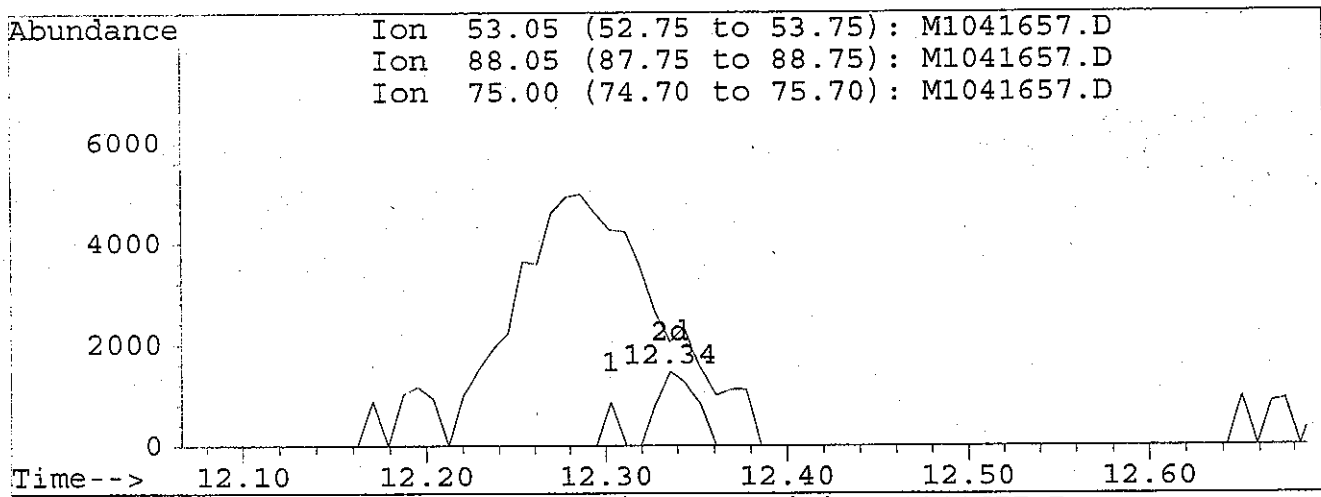
| Ion | Exp% | Act% |
|-------|--------|---------|
| 53.05 | 100 | 100 |
| 88.05 | 40.10 | 0.00# |
| 75.00 | 284.90 | 493.74# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041657.D
 Acq On : 8 Aug 106 12:53 pm
 Sample : BPH0094-CAL4
 Misc :
 Quant Time: Aug 9 7:50 19106

Vial: 5
 Operator: RES
 Inst : VOA MASS
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\HI072006.M
 Title : Element ID: 0607032
 Last Update : Thu Jul 20 12:57:20 2006
 Response via : Multiple Level Calibration



TIC: M1041657.D

(78) Trans-1,4-Dichloro-2-Butene

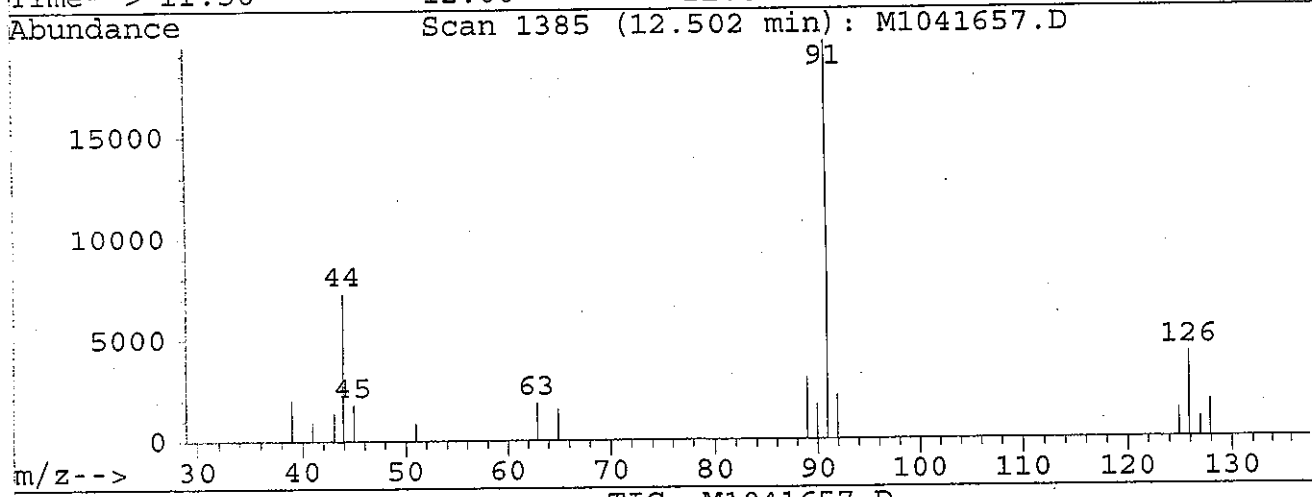
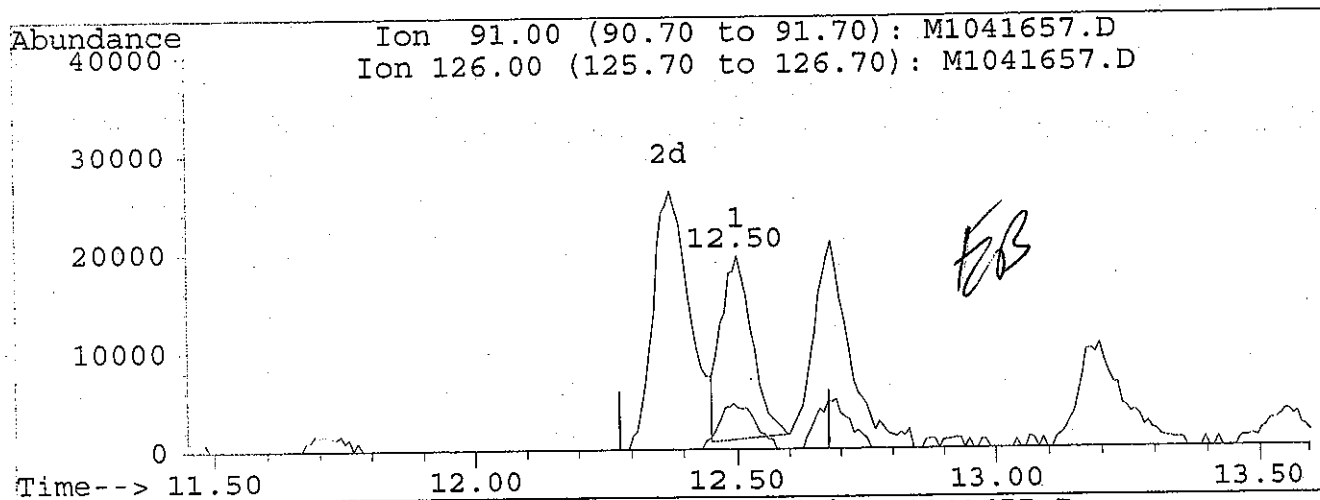
| | | |
|----------|------------|--------|
| 12.34min | 0.17ug/l m | |
| response | 2180 | |
| Ion | Exp% | Act% |
| 53.05 | 100 | 100 |
| 88.05 | 40.10 | 0.00 |
| 75.00 | 284.90 | 140.44 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041657.D
 Acq On : 8 Aug 106 12:53 pm
 Sample : BPH0094-CAL4
 Misc :
 Quant Time: Aug 9 7:50 19106

Vial: 5
 Operator: RES
 Inst : VOA MASS
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\HI072006.M
 Title : Element ID: 0607032
 Last Update : Thu Jul 20 12:57:20 2006
 Response via : Multiple Level Calibration



TIC: M1041657.D

(83) 2-Chlorotoluene

12.50min 0.47ug/l

response 75948

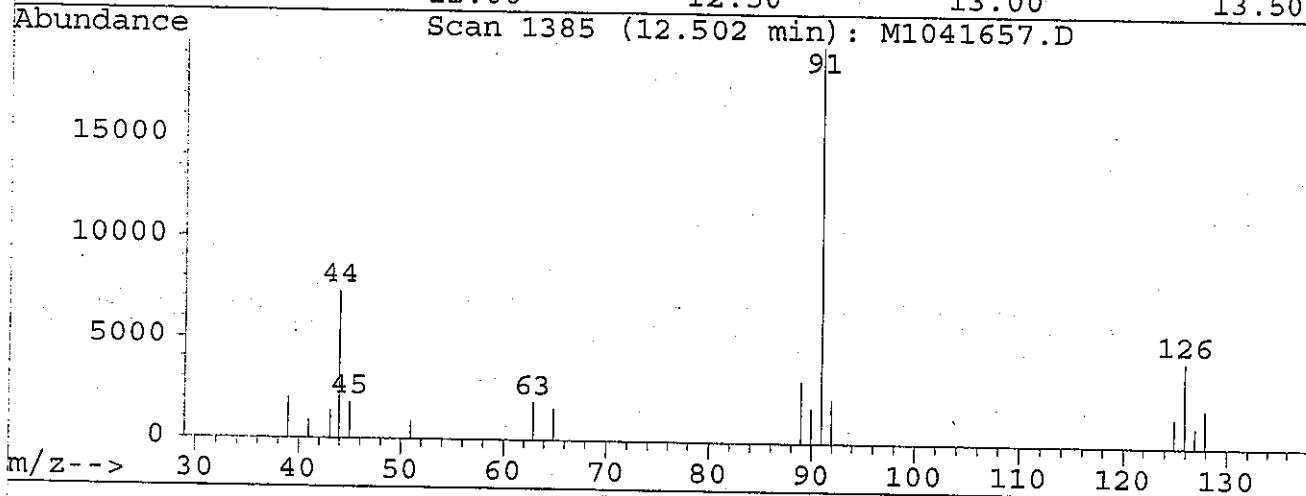
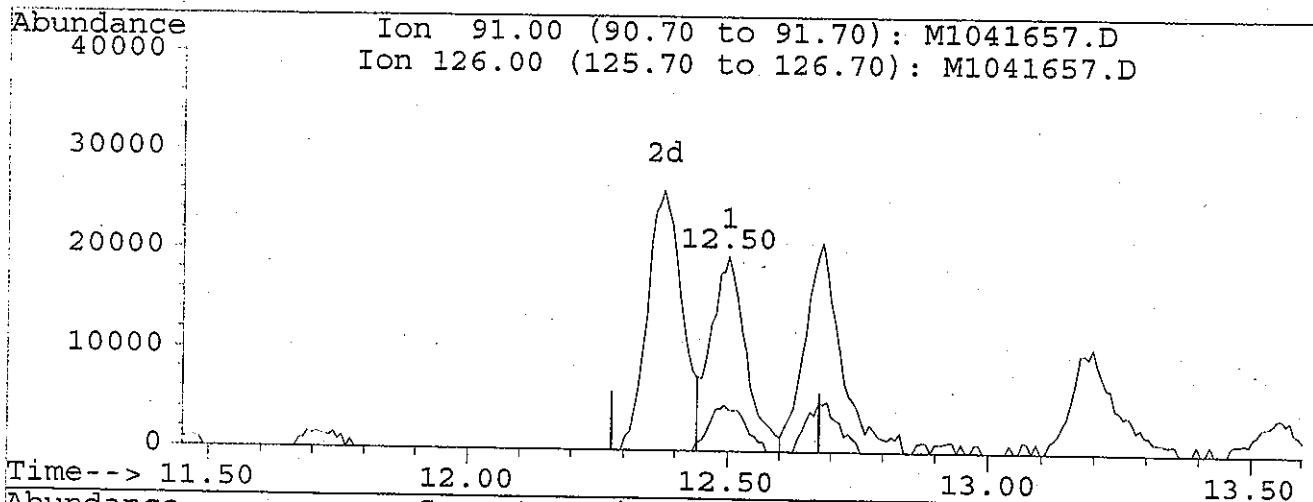
| Ion | Exp% | Act% |
|--------|-------|-------|
| 91.00 | 100 | 100 |
| 126.00 | 28.80 | 21.38 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041657.D
 Acq On : 8 Aug 106 12:53 pm
 Sample : BPH0094-CAL4
 Misc :
 Quant Time: Aug 9 7:50 19106

Vial: 5
 Operator: RES
 Inst : VOA MASS
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\HI072006.M
 Title : Element ID: 0607032
 Last Update : Thu Jul 20 12:57:20 2006
 Response via : Multiple Level Calibration



TIC: M1041657.D

(83) 2-Chlorotoluene

12.50min 0.55ug/l m
 response 89532

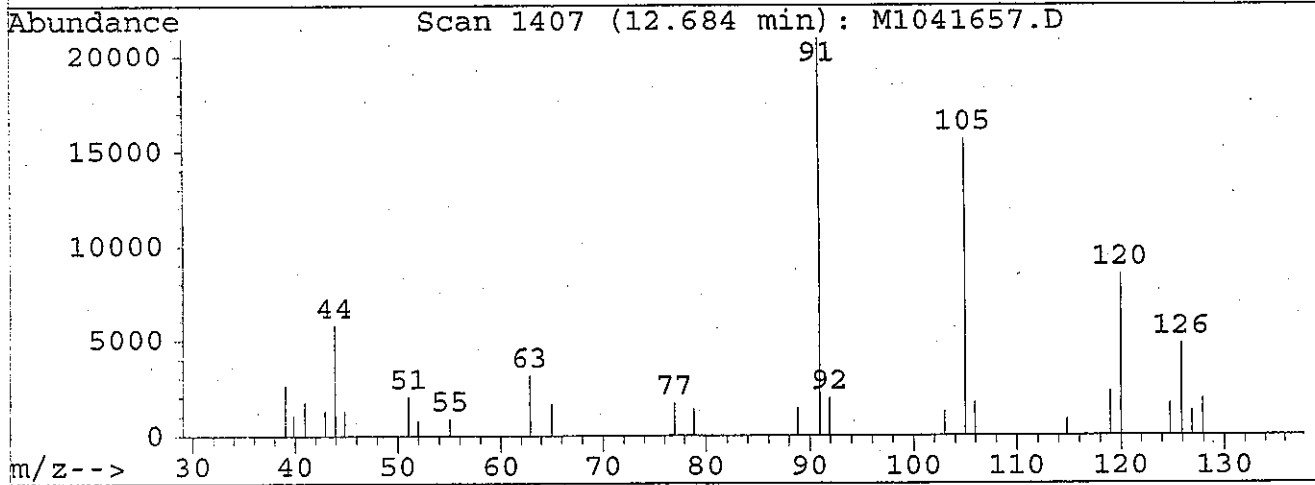
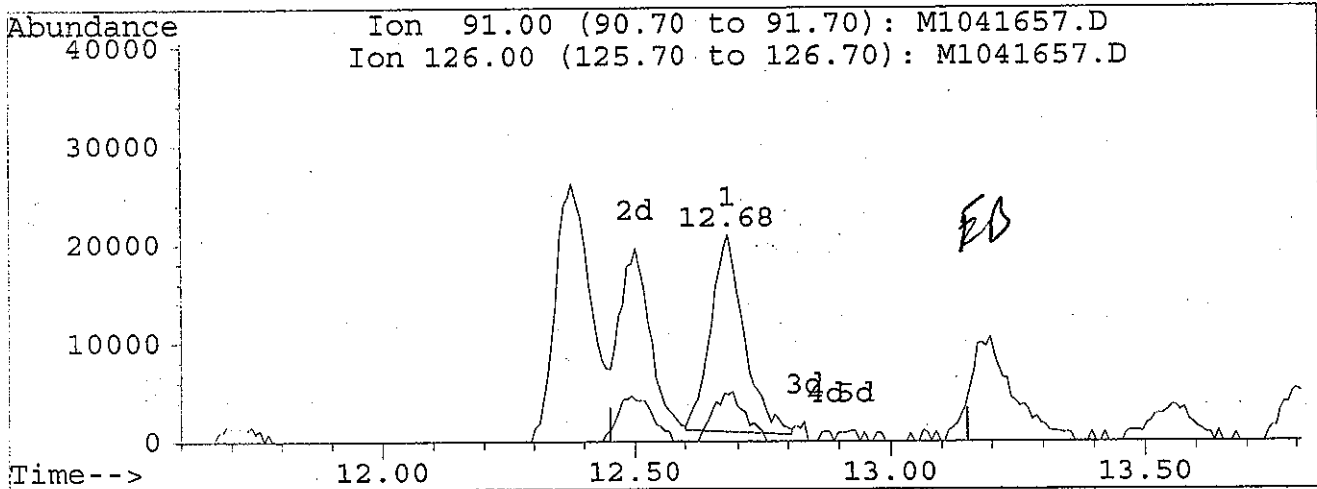
| Ion | Exp% | Act% |
|--------|-------|-------|
| 91.00 | 100 | 100 |
| 126.00 | 28.80 | 21.38 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041657.D
 Acq On : 8 Aug 106 12:53 pm
 Sample : BPH0094-CAL4
 Misc :
 Quant Time: Aug 9 7:50 19106

Vial: 5
 Operator: RES
 Inst : VOA MASS
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\HI072006.M
 Title : Element ID: 0607032
 Last Update : Thu Jul 20 12:57:20 2006
 Response via : Multiple Level Calibration



TIC: M1041657.D

(84) 4-Chlorotoluene
 12.68min 0.48ug/l
 response 90176

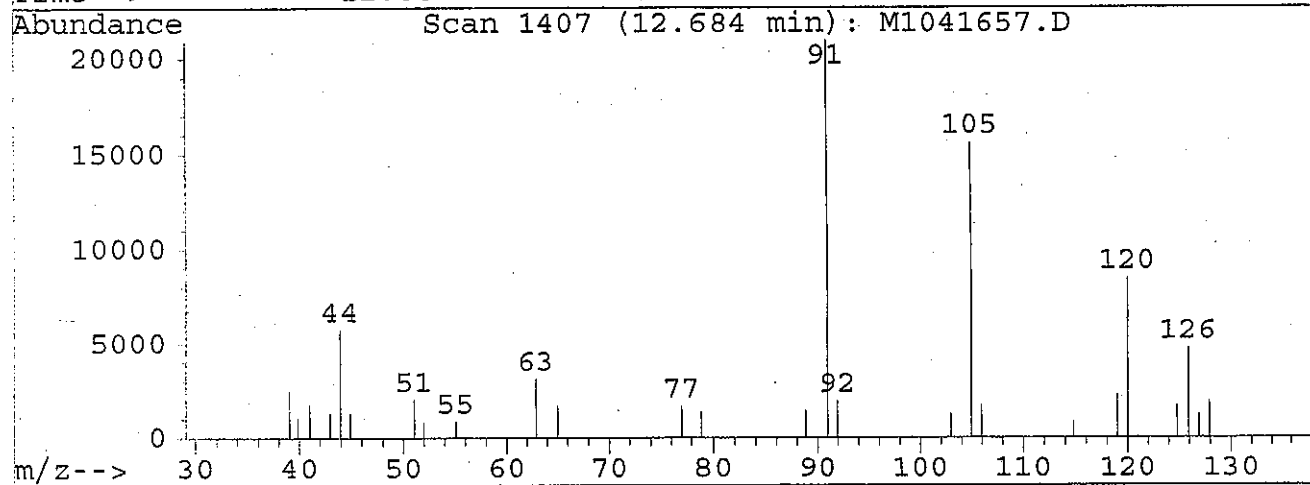
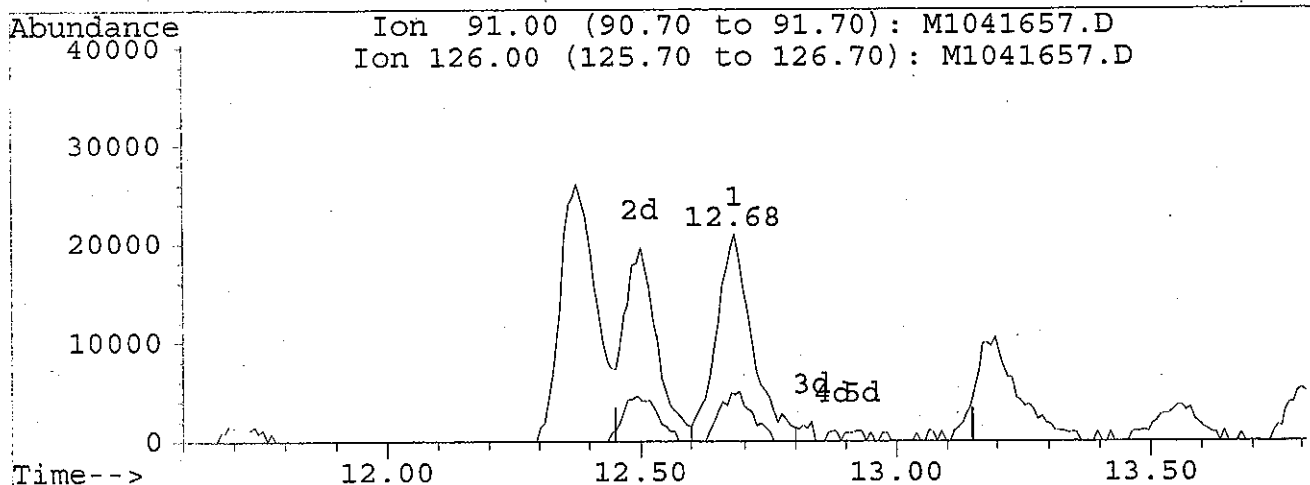
| Ion | Exp% | Act% |
|--------|-------|-------|
| 91.00 | 100 | 100 |
| 126.00 | 27.10 | 22.89 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041657.D
 Acq On : 8 Aug 106 12:53 pm
 Sample : BPH0094-CAL4
 Misc :
 Quant Time: Aug 9 7:51 19106

Vial: 5
 Operator: RES
 Inst : VOA MASS
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\HI072006.M
 Title : Element ID: 0607032
 Last Update : Thu Jul 20 12:57:20 2006
 Response via : Multiple Level Calibration



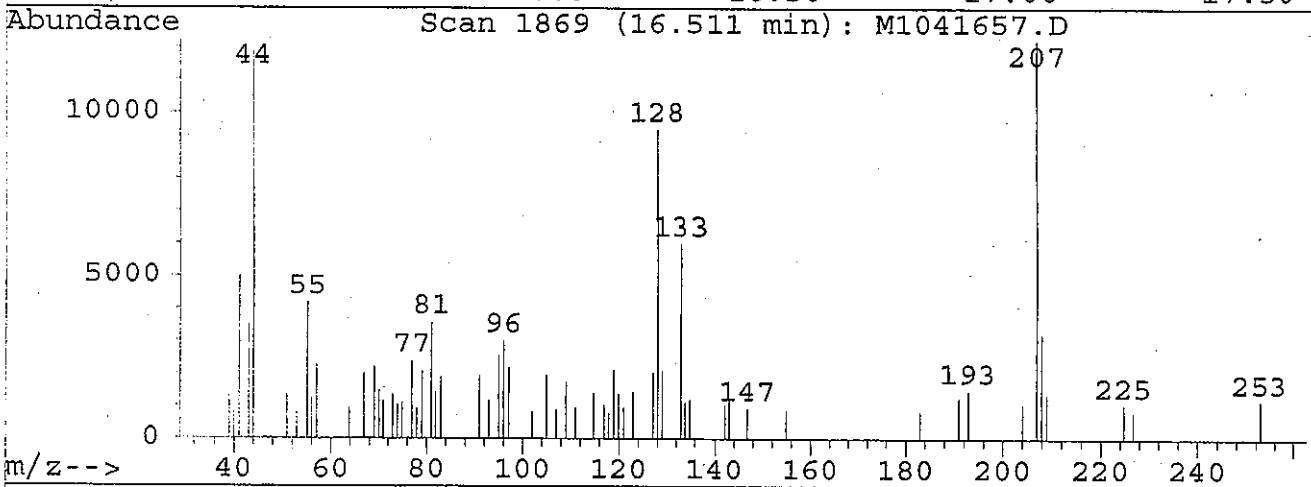
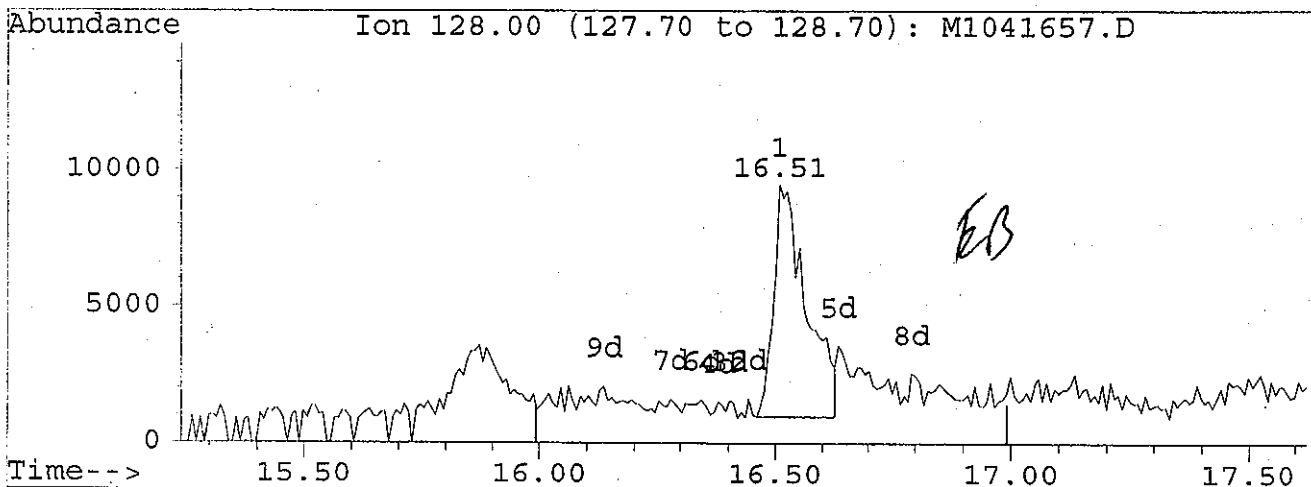
TIC: M1041657.D

| | | | |
|----------|-----------------|-------|--|
| (84) | 4-Chlorotoluene | | |
| 12.68min | 0.54ug/l m | | |
| response | 100941 | | |
| Ion | Exp% | Act% | |
| 91.00 | 100 | 100 | |
| 126.00 | 27.10 | 22.89 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041657.D Vial: 5
 Acq On : 8 Aug 106 12:53 pm Operator: RES
 Sample : BPH0094-CAL4 Inst : VOA MASS
 Misc : Multiplr: 1.00
 Quant Time: Aug 9 7:51 19106

Method : C:\HPCHEM\1\METHODS\HI072006.M
 Title : Element ID: 0607032
 Last Update : Thu Jul 20 12:57:20 2006
 Response via : Multiple Level Calibration



TIC: M1041657.D

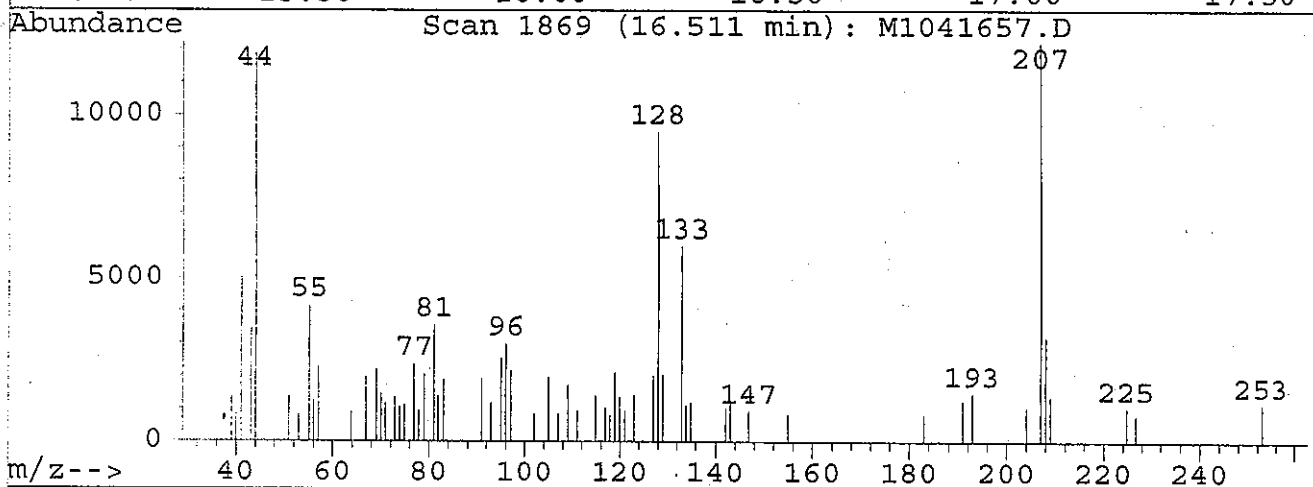
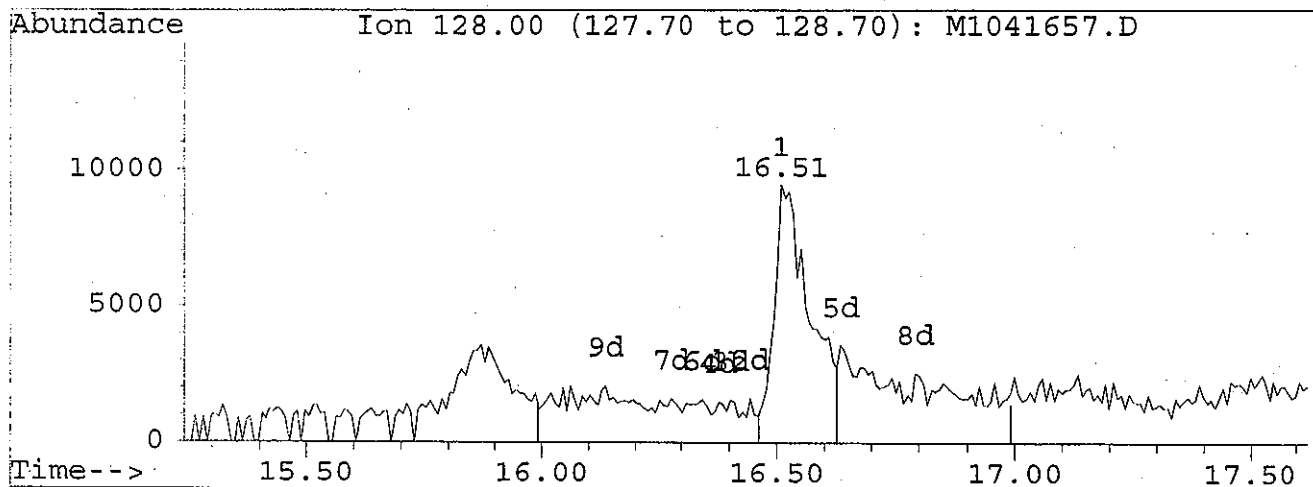
(99) Naphthalene
 16.51min -0.49ug/l
 response 41122

| Ion | Exp% | Act% |
|--------|------|------|
| 128.00 | 100 | 100 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041657.D Vial: 5
 Acq On : 8 Aug 106 12:53 pm Operator: RES
 Sample : BPH0094-CAL4 Inst : VOA MASS
 Misc : Multiplr: 1.00
 Quant Time: Aug 9 7:52 19106

Method : C:\HPCHEM\1\METHODS\HI072006.M
 Title : Element ID: 0607032
 Last Update : Thu Jul 20 12:57:20 2006
 Response via : Multiple Level Calibration



TIC: M1041657.D

(99) Naphthalene
 16.51min -0.32ug/l m
 response 50790

| Ion | Exp% | Act% |
|--------|------|------|
| 128.00 | 100 | 100 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041658.D Vial: 6
 Acq On : 8 Aug 106 1:20 pm Operator: RES
 Sample : BPH0094-CAL5 Inst : VOA MASS
 Misc : Multiplr: 1.00
 Quant Time: Aug 9 7:56 19106

Method : C:\HPCHEM\1\METHODS\HI072006.M
 Title : Element ID: 0607032
 Last Update : Thu Jul 20 12:57:20 2006
 Response via : Multiple Level Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Fluorobenzene | 6.07 | 96 | 4659029 | 25.00 | ug/l | 0.02 |
| 58) Chlorobenzene-d5 | 10.13 | 117 | 3964251 | 25.00 | ug/l | 0.02 |
| 76) 1,4 Dichlorobenzene-D4 | 13.82 | 152 | 1868912 | 25.00 | ug/l | 0.02 |

| System Monitoring Compounds | | | | | | %Recovery |
|----------------------------------|-------|-----|---------|-------|------|-----------|
| 34) Dibromofluoromethane (SURR) | 5.31 | 111 | 4352039 | 52.98 | ug/l | 211.90% |
| 41) 1,2-Dichloroethane-d4 (SURR) | 5.69 | 65 | 2183926 | 54.39 | ug/l | 217.55% |
| 59) Toluene-d8 (SURR) | 8.08 | 98 | 8952759 | 47.20 | ug/l | 188.79% |
| 75) Bromofluorobenzene (SURR) | 11.95 | 95 | 4900185 | 46.39 | ug/l | 185.58% |

| Target Compounds | | | | | | Qvalue |
|--------------------------------|------|-----|----------|--------|------|--------|
| 2) Dichlorodifluoromethane | 1.54 | 85 | 4445841 | 71.21 | ug/l | 100 |
| 3) Chloromethane | 1.73 | 50 | 2760094 | 61.52 | ug/l | 99 |
| 4) Vinyl Chloride | 1.82 | 62 | 2826627 | 65.72 | ug/l | 97 |
| 5) Bromomethane | 2.14 | 94 | 2064539 | 60.57 | ug/l | 98 |
| 6) Chloroethane | 2.23 | 64 | 1015119 | 61.81 | ug/l | 99 |
| 7) Trichlorofluoromethane | 2.45 | 101 | 4895195 | 58.95 | ug/l | 99 |
| 8) Diethyl ether | 2.79 | 59 | 1724423 | 58.18 | ug/l | 97 |
| 9) Acrolein | 2.92 | 56 | 205781 | 54.19 | ug/l | 98 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.97 | 101 | 4809080 | 55.82 | ug/l | 98 |
| 11) Acetone | 3.10 | 58 | 442966 | 289.39 | ug/l | 94 |
| 12) Iodomethane | 3.12 | 142 | 5039301 | 56.22 | ug/l | 98 |
| 13) Carbon Disulfide | 3.16 | 76 | 7019808 | 55.86 | ug/l | 99 |
| 14) 1,1-Dichloroethene | 2.97 | 96 | 2455536 | 53.65 | ug/l | 96 |
| 15) Allyl Chloride | 3.33 | 41 | 4757579 | 57.70 | ug/l | 99 |
| 16) Methyl Acetate | 3.40 | 43 | 1270691 | 57.21 | ug/l | 93 |
| 17) Methylene Chloride | 3.46 | 84 | 2589428 | 54.15 | ug/l | 99 |
| 18) Methyl tert-Butyl Ether | 3.77 | 73 | 5254351 | 56.69 | ug/l | 100 |
| 19) Acrylonitrile | 3.75 | 53 | 411350 | 58.48 | ug/l | 95 |
| 20) trans-1,2-Dichloroethene | 3.73 | 96 | 2887440 | 55.81 | ug/l | 97 |
| 21) 1,1-Dichloroethane | 4.16 | 63 | 5033650 | 57.25 | ug/l | 99 |
| 22) Vinyl Acetate | 4.25 | 43 | 9046223 | 56.66 | ug/l | 100 |
| 23) Chloroprene | 4.25 | 53 | 3415643 | 56.45 | ug/l | 100 |
| 24) Di-isopropyl ether | 4.26 | 45 | 11053191 | 57.65 | ug/l | 99 |
| 25) Ethyl tertiary-butyl ether | 4.64 | 59 | 8276707 | 57.90 | ug/l | 99 |
| 26) 2-Butanone | 4.84 | 72 | 613056 | 288.95 | ug/l | 97 |
| 27) cis-1,2 Dichloroethene | 4.77 | 96 | 2755074 | 55.30 | ug/l | 98 |
| 28) 2,2-Dichloropropane | 4.76 | 77 | 3547322 | 49.90 | ug/l | 99 |
| 29) Methyl Acrylate | 4.93 | 55 | 1489750 | 57.03 | ug/l | 100 |
| 30) Bromochloromethane | 5.04 | 128 | 1448515 | 57.02 | ug/l | 99 |
| 31) Methacrylonitrile | 5.06 | 41 | 930573 | 58.81 | ug/l | 97 |
| 32) Tetrahydrofuran | 5.12 | 42 | 368410 | 57.89 | ug/l | 94 |
| 33) Chloroform | 5.13 | 83 | 4870167 | 55.03 | ug/l | 100 |
| 35) 1,1,1-Trichloroethane | 5.31 | 97 | 4054499 | 53.67 | ug/l | 98 |

(#) = qualifier out of range (m) = manual integration
 M1041658.D HI072006.M Wed Aug 09 07:57:02 2006

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041658.D Vial: 6
 Acq On : 8 Aug 106 1:20 pm Operator: RES
 Sample : BPH0094-CAL5 Inst : VOA MASS
 Misc : Multiplr: 1.00
 Quant Time: Aug 9 7:56 19106

Method : C:\HPCHEM\1\METHODS\HI072006.M
 Title : Element ID: 0607032
 Last Update : Thu Jul 20 12:57:20 2006
 Response via : Multiple Level Calibration

Xp) 8/9/06

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|--------|------|--------|
| 36) Cyclohexane | 5.35 | 56 | 2930047 | 62.15 | ug/l | 97 |
| 37) 1-Chlorobutane | 5.43 | 56 | 5170725 | 58.45 | ug/l | 99 |
| 38) 1,1-Dichloropropene | 5.49 | 75 | 3476022 | 56.30 | ug/l | 100 |
| 39) Carbon Tetrachloride | 5.49 | 117 | 3525582 | 56.96 | ug/l | 97 |
| 40) Benzene | 5.73 | 78 | 8659551 | 58.28 | ug/l | 100 |
| 42) 1,2-Dichloroethane | 5.78 | 62 | 2561622 | 56.41 | ug/l | 97 |
| 43) Tertiary-amyl methyl ether | 5.90 | 73 | 7403804 | 57.07 | ug/l | 100 |
| 44) Trichloroethene | 6.50 | 95 | 3570504 | 55.28 | ug/l | 97 |
| 45) Methyl Cyclohexane | 6.72 | 83 | 3317840 | 54.83 | ug/l | 98 |
| 46) 1,2-Dichloropropane | 6.80 | 63 | 3381758 | 57.60 | ug/l | 100 |
| 47) Dibromomethane | 6.94 | 93 | 2169287 | 56.46 | ug/l | 99 |
| 48) Methyl Methacrylate | 6.97 | 41 | 2050482 | 56.65 | ug/l | 97 |
| 49) 1,4-Dioxane | 7.03 | 88 | 163115 | 269.38 | ug/l | 95 |
| 50) Bromodichloromethane | 7.15 | 83 | 5013779 | 56.50 | ug/l | 100 |
| 51) 2-Nitropropane | 7.50 | 43 | 412184 | 57.68 | ug/l | 37 |
| 52) 2-Chloroethyl vinyl ether | 7.56 | 63 | 5112332 | 225.70 | ug/l | 99 |
| 53) 4-Methyl-2-Pentanone | 7.98 | 58 | 3931416 | 291.25 | ug/l | 99 |
| 54) cis-1,3-Dichloropropene | 7.73 | 75 | 4653794 | 56.80 | ug/l | 98 |
| 55) Toluene | 8.17 | 92 | 5859432 | 55.18 | ug/l | 97 |
| 56) trans-1,3-Dichloropropene | 8.49 | 75 | 3523529 | 56.27 | ug/l | 99 |
| 57) 1,1,2-Trichloroethane | 8.75 | 83 | 2064389 | 55.33 | ug/l | 100 |
| 60) 2-Hexanone | 9.13 | 43 | 6125652 | 256.88 | ug/l | 98 |
| 61) Ethyl Methacrylate | 8.64 | 69 | 3404770 | 49.33 | ug/l | 99 |
| 62) 1,3-Dichloropropane | 8.98 | 76 | 3911624 | 49.56 | ug/l | 98 |
| 63) Tetrachloroethene | 8.92 | 164 | 2799205 | 48.97 | ug/l | 99 |
| 64) Dibromochloromethane | 9.30 | 129 | 3382472 | 51.14 | ug/l | 98 |
| 65) 1,2-Dibromoethane | 9.46 | 107 | 3099339 | 50.68 | ug/l | 99 |
| 66) 1-Chlorohexane | 10.16 | 91 | 3697809 | 46.90 | ug/l | 99 |
| 67) Chlorobenzene | 10.18 | 112 | 6755721 | 49.43 | ug/l | 99 |
| 68) 1,1,1,2-Tetrachloroethane | 10.31 | 131 | 2879509 | 49.51 | ug/l | 98 |
| 69) Ethylbenzene | 10.35 | 91 | 10412638 | 48.23 | ug/l | 98 |
| 70) Xylene P,M | 10.53 | 106 | 8298338 | 97.34 | ug/l | 98 |
| 71) Xylene O | 11.14 | 106 | 4079489 | 49.91 | ug/l | 99 |
| 72) Styrene | 11.16 | 104 | 7131125 | 49.58 | ug/l | 97 |
| 73) Bromoform | 11.44 | 173 | 2156646 | 47.52 | ug/l | 99 |
| 74) cis1,4-Dichloro-2-butene | 11.85 | 75 | 531627 | 49.32 | ug/l | 98 |
| 77) Isopropylbenzene | 11.72 | 105 | 10283963 | 48.49 | ug/l | 99 |
| 78) Trans-1,4-Dichloro-2-Buten | 12.32 | 53 | 621620 | 50.04 | ug/l | 91 |
| 79) 1,2,3-Trichloropropane | 12.29 | 75 | 2547399 | 47.20 | ug/l | 96 |
| 80) Bromobenzene | 12.18 | 156 | 2854148 | 49.25 | ug/l | 98 |
| 81) 1,1,2,2-Tetrachloroethane | 12.22 | 83 | 2961284 | 48.06 | ug/l | 98 |
| 82) n-Propylbenzene | 12.37 | 91 | 11407375 | 47.26 | ug/l | 99 |
| 83) 2-Chlorotoluene | 12.49 | 91 | 7944623 | 49.82 | ug/l | 100 |
| 84) 4-Chlorotoluene | 12.67 | 91 | 8616315 | 47.28 | ug/l | 99 |

m

m

(#) = qualifier out of range (m) = manual integration
 M1041658.D HI072006.M Wed Aug 09 07:57:05 2006

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041658.D Vial: 6
 Acq On : 8 Aug 106 1:20 pm Operator: RES
 Sample : BPH0094-CAL5 Inst : VOA MASS
 Misc : Multiplr: 1.00
 Quant Time: Aug 9 7:56 19106

Method : C:\HPCHEM\1\METHODS\HI072006.M
 Title : Element ID: 0607032
 Last Update : Thu Jul 20 12:57:20 2006
 Response via : Multiple Level Calibration

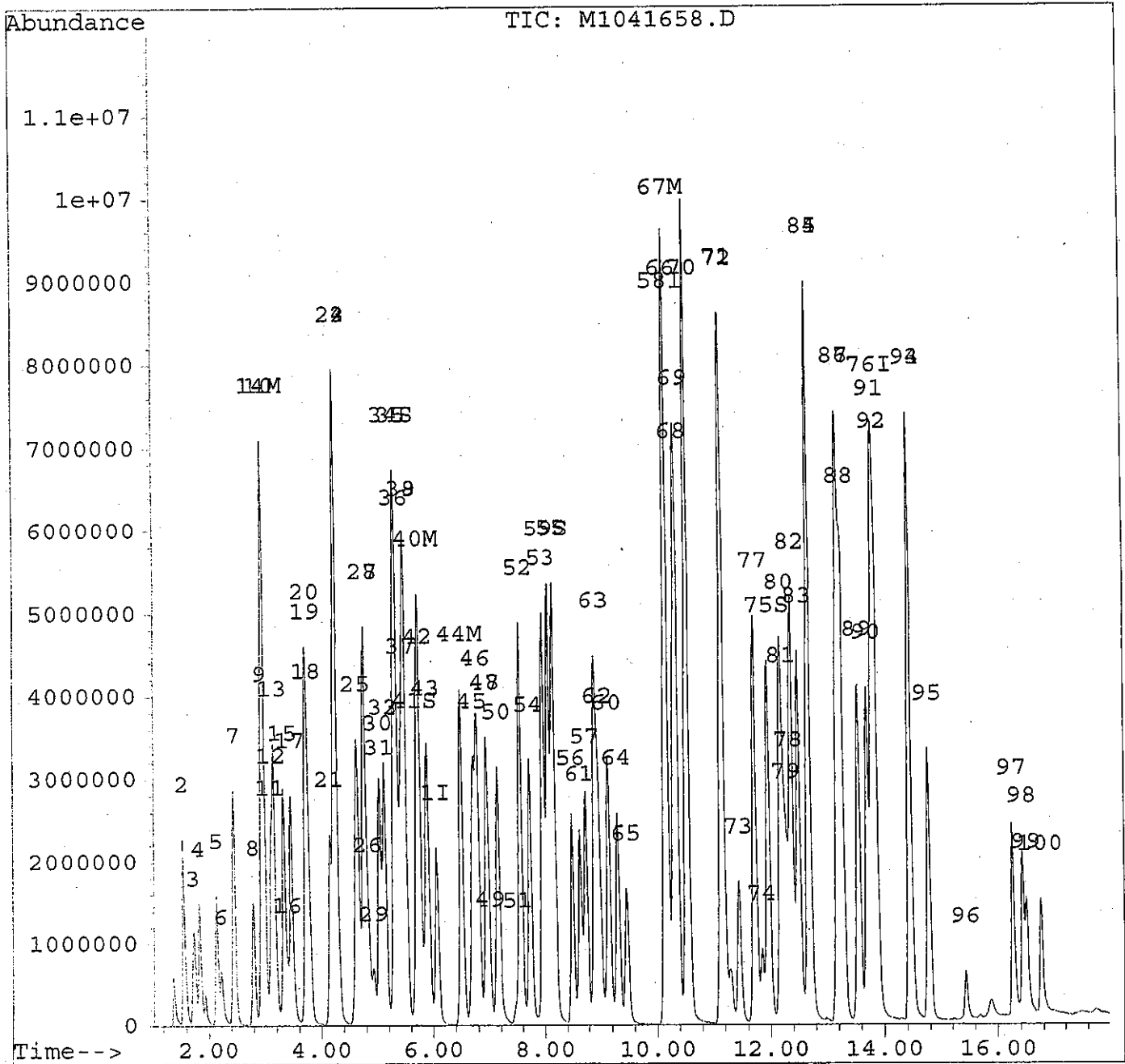
| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|-------|------|--------|
| 85) 1,3,5-Trimethylbenzene | 12.67 | 105 | 7688513 | 47.38 | ug/l | 100 |
| 86) tert-Butylbenzene | 13.20 | 119 | 9041060 | 47.44 | ug/l | 100 |
| 87) Pentachloroethane | 13.20 | 119 | 9041060 | 47.44 | ug/l | 98 |
| 88) 1,2,4-Trimethylbenzene | 13.27 | 105 | 7800129 | 47.16 | ug/l | 99 |
| 89) sec-Butylbenzene | 13.55 | 105 | 9539224 | 46.49 | ug/l | 100 |
| 90) 1,3 Dichlorobenzene | 13.71 | 146 | 4538469 | 46.75 | ug/l | 99 |
| 91) 4-Isopropyltoluene | 13.80 | 119 | 7141813 | 46.85 | ug/l | 100 |
| 92) 1,4 Dichlorobenzene | 13.86 | 146 | 4755278 | 45.96 | ug/l | 99 |
| 93) n-Butylbenzene | 14.45 | 91 | 6176048 | 44.87 | ug/l | 99 |
| 94) 1,2 Dichlorobenzene | 14.44 | 146 | 3897933 | 46.13 | ug/l | 97 |
| 95) Hexachloroethane | 14.78 | 117 | 1966575 | 51.72 | ug/l | 95 |
| 96) 1,2-Dibromo-3-Chloropropan | 15.44 | 75 | 340547 | 43.64 | ug/l | 95 |
| 97) 1,2,4-Trichlorobenzene | 16.26 | 180 | 1832451 | 38.82 | ug/l | 96 |
| 98) Hexachlorobutadiene | 16.44 | 225 | 1036282 | 43.26 | ug/l | 97 |
| 99) Naphthalene | 16.51 | 128 | 2294777 | 40.59 | ug/l | 100 |
| 100) 1,2,3-Trichlorobenzene | 16.75 | 180 | 1108990 | 36.91 | ug/l | 98 |

(#) = qualifier out of range (m) = manual integration
 M1041658.D HI072006.M Wed Aug 09 07:57:06 2006

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041658.D Vial: 6
Acq On : 8 Aug 106 1:20 pm Operator: RES
Sample : BPH0094-CAL5 Inst : VOA MASS
Misc : Multiplr: 1.00
Quant Time: Aug 9 7:56 19106

Method : C:\HPCHEM\1\METHODS\HI072006.M
Title : Element ID: 0607032
Last Update : Thu Jul 20 12:57:20 2006
Response via : Multiple Level Calibration

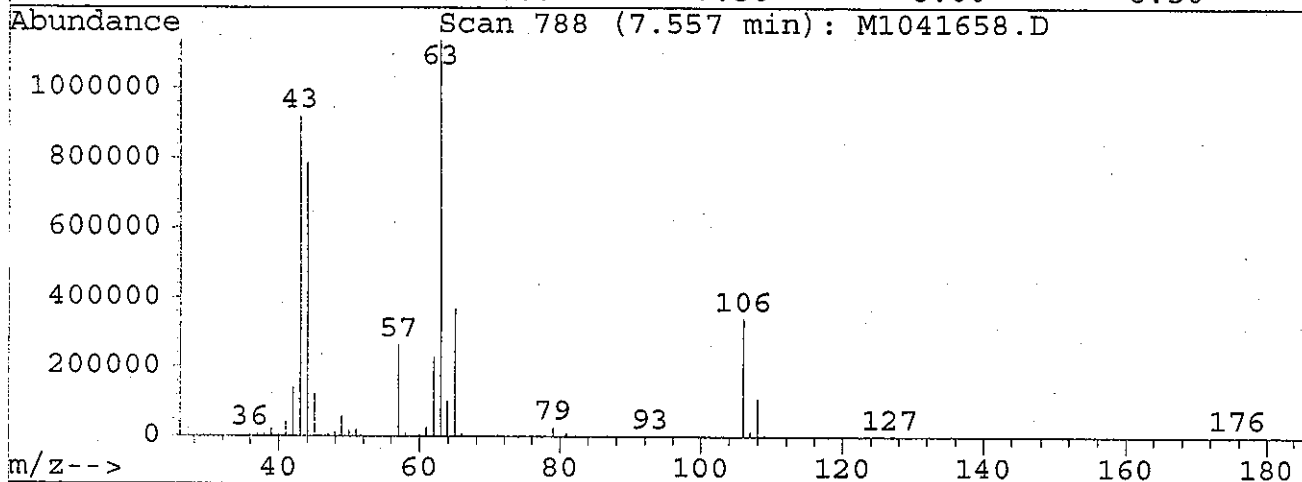
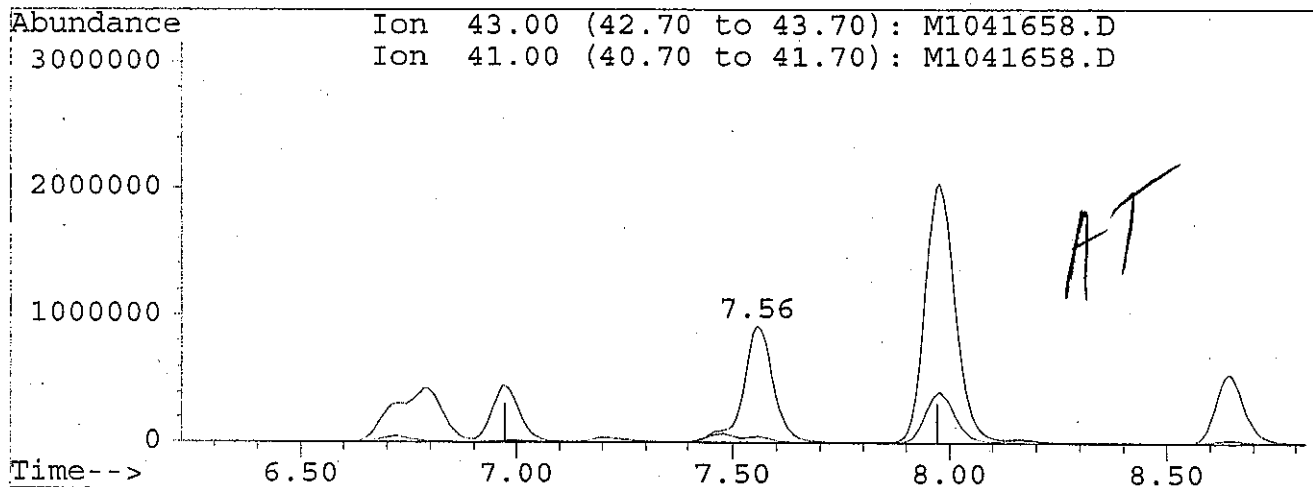


Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041658.D
 Acq On : 8 Aug 106 1:20 pm
 Sample : BPH0094-CAL5
 Misc :
 Quant Time: Aug 8 13:38 19106

Vial: 6
 Operator: RES
 Inst : VOA MASS
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\HI072006.M
 Title : Element ID: 0607032
 Last Update : Thu Jul 20 12:57:20 2006
 Response via : Multiple Level Calibration



TIC: M1041658.D

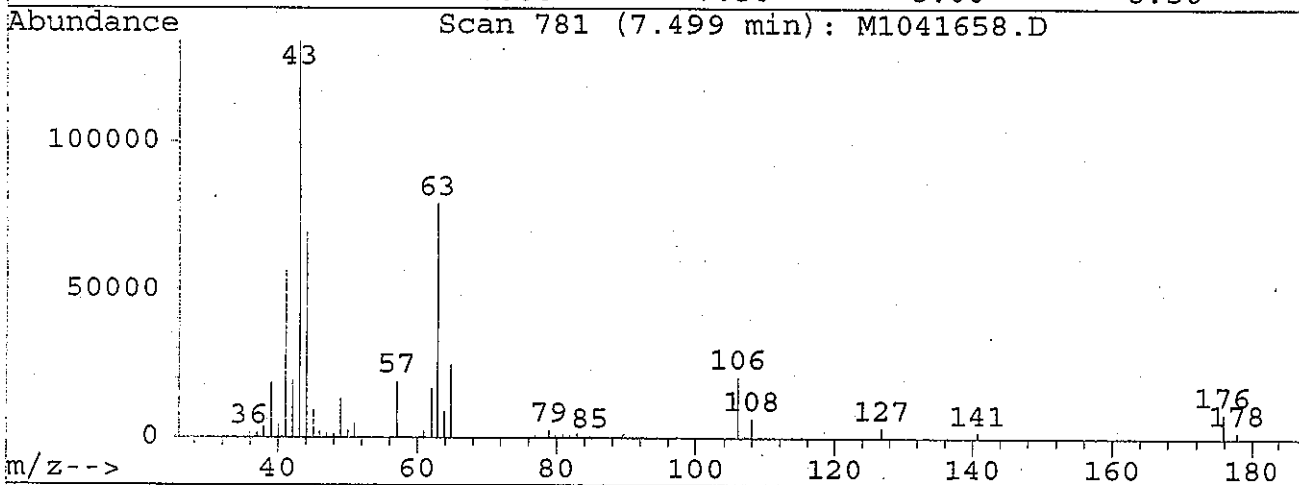
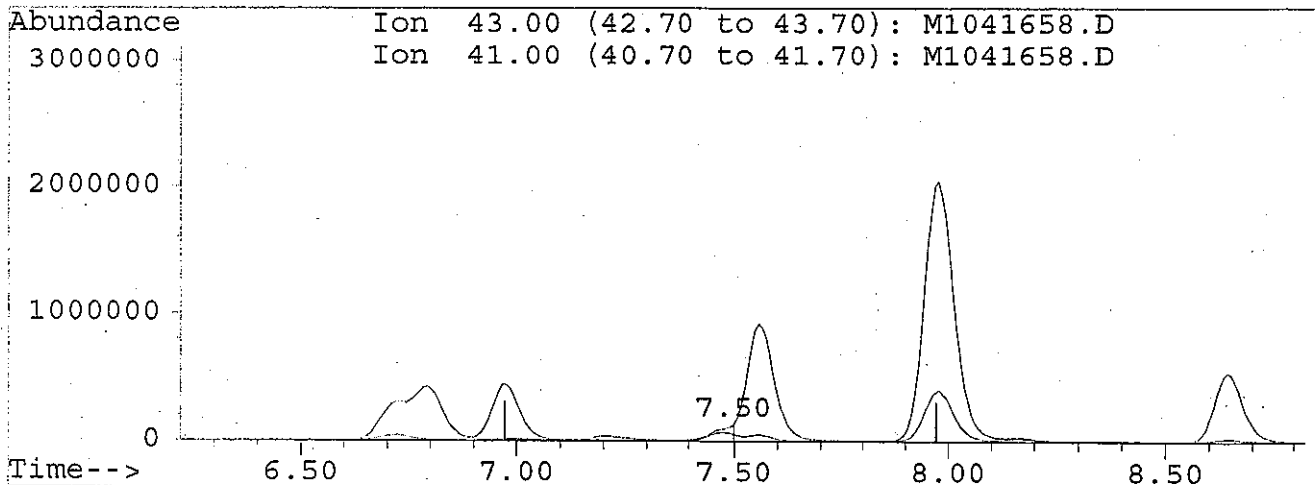
(51) 2-Nitropropane
 7.56min 626.39ug/l
 response 4475868

| Ion | Exp% | Act% |
|-------|-------|-------|
| 43.00 | 100 | 100 |
| 41.00 | 48.00 | 5.51# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041658.D Vial: 6
 Acq On : 8 Aug 106 1:20 pm Operator: RES
 Sample : BPH0094-CAL5 Inst : VOA MASS
 Misc : Multiplr: 1.00
 Quant Time: Aug 9 7:55 19106

Method : C:\HPCHEM\1\METHODS\HI072006.M
 Title : Element ID: 0607032
 Last Update : Thu Jul 20 12:57:20 2006
 Response via : Multiple Level Calibration



TIC: M1041658.D

(51) 2-Nitropropane
 7.50min 57.68ug/l m
 response 412184

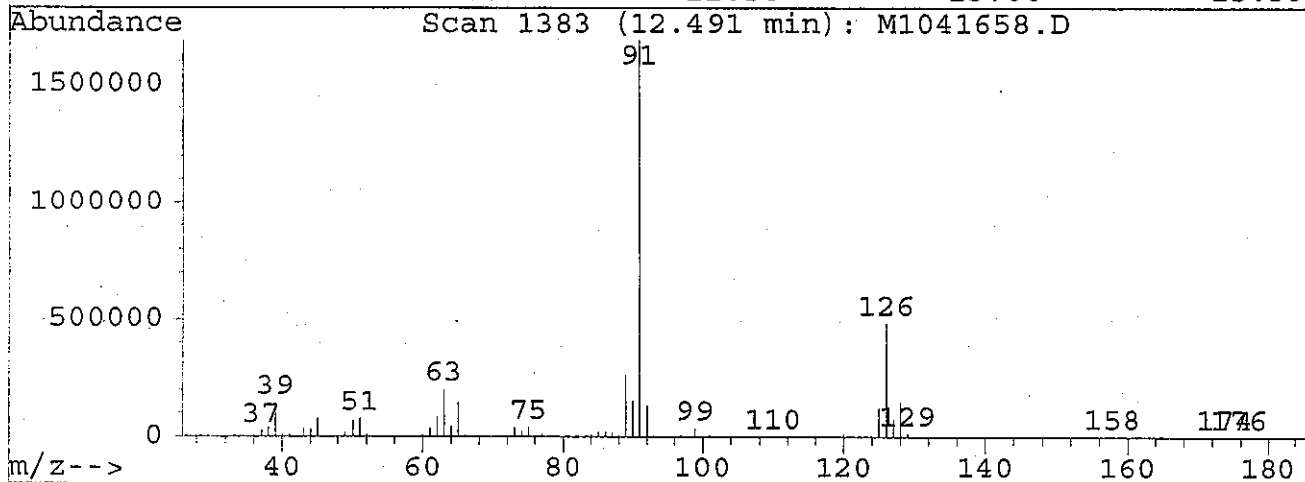
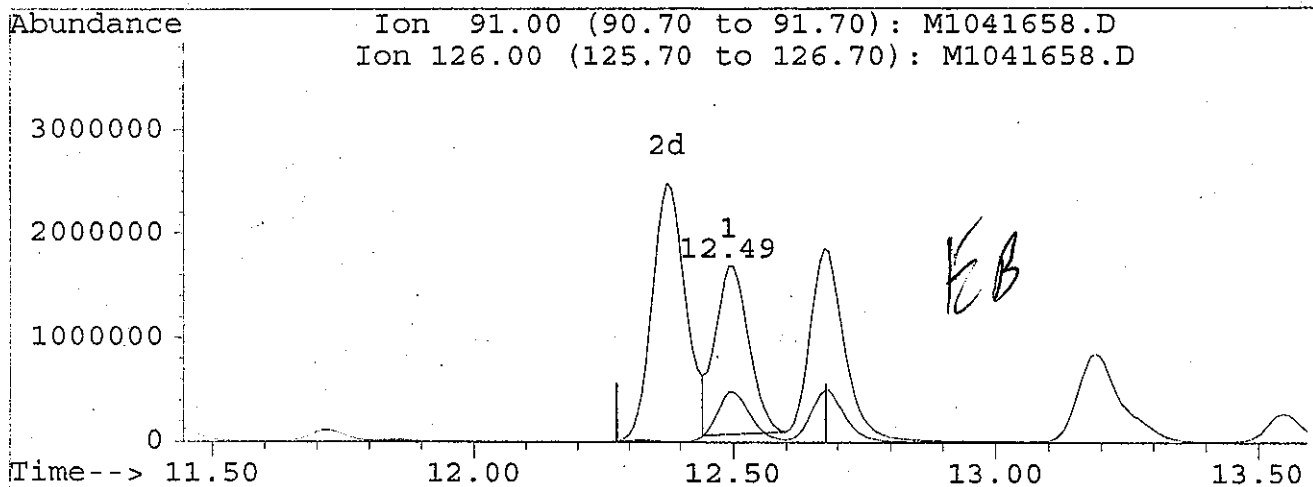
| Ion | Exp% | Act% |
|-------|-------|-------|
| 43.00 | 100 | 100 |
| 41.00 | 48.00 | 42.17 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041658.D
 Acq On : 8 Aug 106 1:20 pm
 Sample : BPH0094-CAL5
 Misc :
 Quant Time: Aug 9 7:55 19106

Vial: 6
 Operator: RES
 Inst : VOA MASS
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\HI072006.M
 Title : Element ID: 0607032
 Last Update : Thu Jul 20 12:57:20 2006
 Response via : Multiple Level Calibration



TIC: M1041658.D

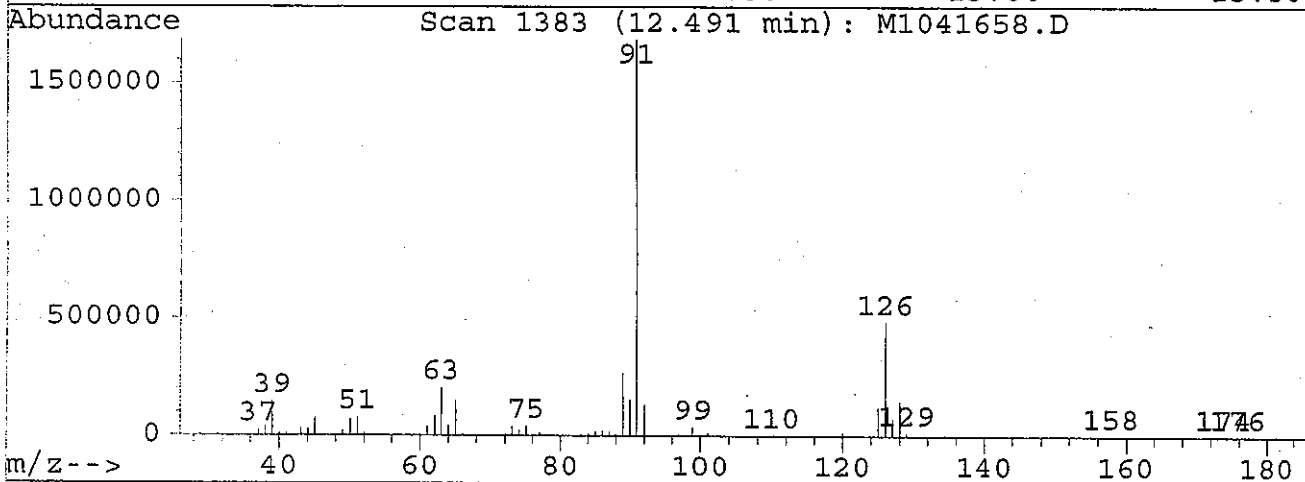
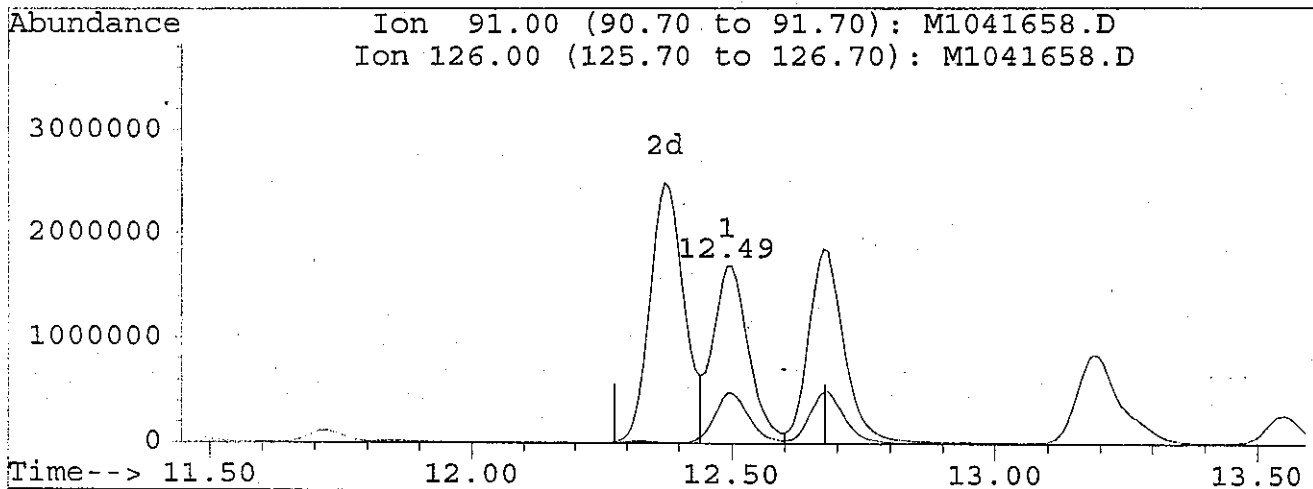
(83) 2-Chlorotoluene

| | | |
|----------|-----------|-------|
| 12.49min | 44.83ug/l | |
| response | 7148256 | |
| Ion | Exp% | Act% |
| 91.00 | 100 | 100 |
| 126.00 | 28.80 | 28.77 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041658.D Vial: 6
 Acq On : 8 Aug 106 1:20 pm Operator: RES
 Sample : BPH0094-CAL5 Inst : VOA MASS
 Misc : Multiplr: 1.00
 Quant Time: Aug 9 7:56 19106

Method : C:\HPCHEM\1\METHODS\HI072006.M
 Title : Element ID: 0607032
 Last Update : Thu Jul 20 12:57:20 2006
 Response via : Multiple Level Calibration



TIC: M1041658.D

(83) 2-Chlorotoluene

12.49min 49.82ug/l m
 response 7944623

| Ion | Exp% | Act% |
|--------|-------|-------|
| 91.00 | 100 | 100 |
| 126.00 | 28.80 | 28.77 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041659.D Vial: 7
 Acq On : 8 Aug 106 1:48 pm Operator: RES
 Sample : BPH0094-CAL6 Inst : VOA MASS
 Misc : Multiplr: 1.00
 Quant Time: Aug 9 7:59 19106

Method : C:\HPCHEM\1\METHODS\HI072006.M
 Title : Element ID: 0607032
 Last Update : Thu Jul 20 12:57:20 2006
 Response via : Multiple Level Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Fluorobenzene | 6.07 | 96 | 4681976 | 25.00 | ug/l | 0.02 |
| 58) Chlorobenzene-d5 | 10.13 | 117 | 3952951 | 25.00 | ug/l | 0.02 |
| 76) 1,4 Dichlorobenzene-D4 | 13.82 | 152 | 1860413 | 25.00 | ug/l | 0.03 |

| System Monitoring Compounds | R.T. | QIon | Response | Conc | Units | %Recovery |
|----------------------------------|-------|------|----------|--------|-------|-----------|
| 34) Dibromofluoromethane (SURR) | 5.31 | 111 | 8529965 | 103.32 | ug/l | 413.29% |
| 41) 1,2-Dichloroethane-d4 (SURR) | 5.69 | 65 | 4173029 | 103.41 | ug/l | 413.65% |
| 59) Toluene-d8 (SURR) | 8.08 | 98 | 17417808 | 92.09 | ug/l | 368.35% |
| 75) Bromofluorobenzene (SURR) | 11.96 | 95 | 9487325 | 90.08 | ug/l | 360.32% |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|--------------------------------|------|------|----------|--------|-------|--------|
| 2) Dichlorodifluoromethane | 1.54 | 85 | 8681616 | 138.38 | ug/l | 99 |
| 3) Chloromethane | 1.73 | 50 | 5347936 | 118.63 | ug/l | 98 |
| 4) Vinyl Chloride | 1.83 | 62 | 5402758 | 125.00 | ug/l | 98 |
| 5) Bromomethane | 2.14 | 94 | 4092226 | 119.48 | ug/l | 98 |
| 6) Chloroethane | 2.23 | 64 | 1970363 | 119.39 | ug/l | 98 |
| 7) Trichlorofluoromethane | 2.45 | 101 | 9670571 | 115.90 | ug/l | 99 |
| 8) Diethyl ether | 2.79 | 59 | 3376005 | 113.34 | ug/l | 98 |
| 9) Acrolein | 2.92 | 56 | 396521 | 105.37 | ug/l | 97 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.96 | 101 | 9275093 | 107.14 | ug/l | 99 |
| 11) Acetone | 3.11 | 58 | 846346 | 550.20 | ug/l | 90 |
| 12) Iodomethane | 3.12 | 142 | 9539082 | 105.89 | ug/l | 99 |
| 13) Carbon Disulfide | 3.16 | 76 | 13719530 | 108.63 | ug/l | 100 |
| 14) 1,1-Dichloroethene | 2.96 | 96 | 4768950 | 103.68 | ug/l | 98 |
| 15) Allyl Chloride | 3.33 | 41 | 9195480 | 110.97 | ug/l | 98 |
| 16) Methyl Acetate | 3.40 | 43 | 2510704 | 112.49 | ug/l | 95 |
| 17) Methylene Chloride | 3.46 | 84 | 5027424 | 104.62 | ug/l | 99 |
| 18) Methyl tert-Butyl Ether | 3.77 | 73 | 10253508 | 110.08 | ug/l | 99 |
| 19) Acrylonitrile | 3.75 | 53 | 812129 | 114.90 | ug/l | 99 |
| 20) trans-1,2-Dichloroethene | 3.72 | 96 | 5606714 | 107.84 | ug/l | 97 |
| 21) 1,1-Dichloroethane | 4.16 | 63 | 9735632 | 110.18 | ug/l | 99 |
| 22) Vinyl Acetate | 4.25 | 43 | 17508865 | 109.13 | ug/l | 100 |
| 23) Chloroprene | 4.25 | 53 | 6651320 | 109.39 | ug/l | 98 |
| 24) Di-isopropyl ether | 4.26 | 45 | 21164230 | 109.84 | ug/l | 98 |
| 25) Ethyl tertiary-butyl ether | 4.64 | 59 | 16201245 | 112.78 | ug/l | 99 |
| 26) 2-Butanone | 4.85 | 72 | 1202735 | 564.11 | ug/l | 99 |
| 27) cis-1,2 Dichloroethene | 4.77 | 96 | 5327015 | 106.40 | ug/l | 99 |
| 28) 2,2-Dichloropropane | 4.76 | 77 | 6856332 | 95.97 | ug/l | 98 |
| 29) Methyl Acrylate | 4.93 | 55 | 2944999 | 112.19 | ug/l | 99 |
| 30) Bromochloromethane | 5.04 | 128 | 2834631 | 111.04 | ug/l | 99 |
| 31) Methacrylonitrile | 5.06 | 41 | 1844402 | 115.98 | ug/l | 99 |
| 32) Tetrahydrofuran | 5.12 | 42 | 738660 | 115.51 | ug/l | 97 |
| 33) Chloroform | 5.13 | 83 | 9519831 | 107.04 | ug/l | 99 |
| 35) 1,1,1-Trichloroethane | 5.31 | 97 | 7951158 | 104.73 | ug/l | 99 |

(#) = qualifier out of range (m) = manual integration
 M1041659.D HI072006.M Wed Aug 09 07:59:56 2006

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041659.D Vial: 7
 Acq On : 8 Aug 106 1:48 pm Operator: RES
 Sample : BPH0094-CAL6 Inst : VOA MASS
 Misc : Multiplr: 1.00
 Quant Time: Aug 9 7:59 19106

Method : C:\HPCHEM\1\METHODS\HI072006.M
 Title : Element ID: 0607032
 Last Update : Thu Jul 20 12:57:20 2006
 Response via : Multiple Level Calibration

QMS 8/9/06

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|--------|------|--------|
| 36) Cyclohexane | 5.36 | 56 | 5028596 | 106.15 | ug/l | 98 |
| 37) 1-Chlorobutane | 5.44 | 56 | 9949256 | 111.92 | ug/l | 100 |
| 38) 1,1-Dichloropropene | 5.49 | 75 | 6783891 | 109.35 | ug/l | 99 |
| 39) Carbon Tetrachloride | 5.49 | 117 | 7006360 | 112.64 | ug/l | 98 |
| 40) Benzene | 5.74 | 78 | 16087925 | 107.74 | ug/l | 100 |
| 42) 1,2-Dichloroethane | 5.78 | 62 | 4996195 | 109.48 | ug/l | 98 |
| 43) Tertiary-amyl methyl ether | 5.90 | 73 | 14470978 | 110.99 | ug/l | 99 |
| 44) Trichloroethene | 6.51 | 95 | 6985441 | 107.62 | ug/l | 96 |
| 45) Methyl Cyclohexane | 6.72 | 83 | 6423938 | 105.65 | ug/l | 99 |
| 46) 1,2-Dichloropropane | 6.80 | 63 | 6546964 | 110.96 | ug/l | 99 |
| 47) Dibromomethane | 6.95 | 93 | 4293460 | 111.19 | ug/l | 100 |
| 48) Methyl Methacrylate | 6.97 | 41 | 4035964 | 110.95 | ug/l | 97 |
| 49) 1,4-Dioxane | 7.01 | 88 | 443792 | 729.31 | ug/l | 99 |
| 50) Bromodichloromethane | 7.15 | 83 | 9960266 | 111.68 | ug/l | 100 |
| 51) 2-Nitropropane | 7.49 | 43 | 758836 | 105.68 | ug/l | 37 |
| 52) 2-Chloroethyl vinyl ether | 7.56 | 63 | 10135551 | 445.26 | ug/l | 99 |
| 53) 4-Methyl-2-Pentanone | 7.98 | 58 | 7700424 | 567.68 | ug/l | 100 |
| 54) cis-1,3-Dichloropropene | 7.73 | 75 | 9168884 | 111.36 | ug/l | 100 |
| 55) Toluene | 8.17 | 92 | 11337797 | 106.25 | ug/l | 98 |
| 56) trans-1,3-Dichloropropene | 8.50 | 75 | 6992691 | 111.12 | ug/l | 99 |
| 57) 1,1,2-Trichloroethane | 8.75 | 83 | 4032315 | 107.55 | ug/l | 99 |
| 60) 2-Hexanone | 9.14 | 43 | 12219153 | 513.89 | ug/l | 99 |
| 61) Ethyl Methacrylate | 8.65 | 69 | 6662332 | 96.80 | ug/l | 99 |
| 62) 1,3-Dichloropropane | 8.98 | 76 | 7680456 | 97.58 | ug/l | 100 |
| 63) Tetrachloroethene | 8.91 | 164 | 5376700 | 94.33 | ug/l | 99 |
| 64) Dibromochloromethane | 9.30 | 129 | 6761385 | 102.51 | ug/l | 98 |
| 65) 1,2-Dibromoethane | 9.45 | 107 | 6123886 | 100.43 | ug/l | 99 |
| 66) 1-Chlorohexane | 10.16 | 91 | 7164249 | 91.12 | ug/l | 99 |
| 67) Chlorobenzene | 10.17 | 112 | 13208653 | 96.91 | ug/l | 100 |
| 68) 1,1,1,2-Tetrachloroethane | 10.31 | 131 | 5769900 | 99.48 | ug/l | 99 |
| 69) Ethylbenzene | 10.35 | 91 | 20174997 | 93.72 | ug/l | 98 |
| 70) Xylene P,M | 10.53 | 106 | 16185296 | 190.40 | ug/l | 86 |
| 71) Xylene O | 11.14 | 106 | 7925583 | 97.25 | ug/l | 98 |
| 72) Styrene | 11.17 | 104 | 13823741 | 96.39 | ug/l | 99 |
| 73) Bromoform | 11.44 | 173 | 4408318 | 96.91 | ug/l | 99 |
| 74) cis1,4-Dichloro-2-butene | 11.85 | 75 | 1102413 | 102.57 | ug/l | 98 |
| 77) Isopropylbenzene | 11.72 | 105 | 20093863 | 95.18 | ug/l | 99 |
| 78) Trans-1,4-Dichloro-2-Buten | 12.33 | 53 | 1193613 | 96.52 | ug/l | 91 |
| 79) 1,2,3-Trichloropropane | 12.29 | 75 | 5135298 | 95.58 | ug/l | 97 |
| 80) Bromobenzene | 12.18 | 156 | 5608079 | 97.21 | ug/l | 97 |
| 81) 1,1,2,2-Tetrachloroethane | 12.23 | 83 | 5741310 | 93.60 | ug/l | 100 |
| 82) n-Propylbenzene | 12.38 | 91 | 22099232 | 91.97 | ug/l | 99 |
| 83) 2-Chlorotoluene | 12.50 | 91 | 15498214 | 97.63 | ug/l | 100 |
| 84) 4-Chlorotoluene | 12.68 | 91 | 16517309 | 91.05 | ug/l | 99 |

(#) = qualifier out of range (m) = manual integration
 M1041659.D HI072006.M Wed Aug 09 07:59:58 2006

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041659.D Vial: 7
 Acq On : 8 Aug 106 1:48 pm Operator: RES
 Sample : BPH0094-CAL6 Inst : VOA MASS
 Misc : Multiplr: 1.00
 Quant Time: Aug 9 7:59 19106

Method : C:\HPCHEM\1\METHODS\HI072006.M
 Title : Element ID: 0607032
 Last Update : Thu Jul 20 12:57:20 2006
 Response via : Multiple Level Calibration

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|--------|------|--------|
| 85) 1,3,5-Trimethylbenzene | 12.68 | 105 | 14899902 | 92.24 | ug/l | 99 |
| 86) tert-Butylbenzene | 13.20 | 119 | 17737695 | 93.50 | ug/l | 100 |
| 87) Pentachloroethane | 13.20 | 119 | 17737695 | 93.50 | ug/l | 99 |
| 88) 1,2,4-Trimethylbenzene | 13.27 | 105 | 15021370 | 91.23 | ug/l | 100 |
| 89) sec-Butylbenzene | 13.56 | 105 | 18606773 | 91.10 | ug/l | 99 |
| 90) 1,3 Dichlorobenzene | 13.71 | 146 | 8942989 | 92.53 | ug/l | 99 |
| 91) 4-Isopropyltoluene | 13.81 | 119 | 13972351 | 92.08 | ug/l | 99 |
| 92) 1,4 Dichlorobenzene | 13.87 | 146 | 9358418 | 90.87 | ug/l | 99 |
| 93) n-Butylbenzene | 14.45 | 91 | 11997370 | 87.56 | ug/l | 98 |
| 94) 1,2 Dichlorobenzene | 14.45 | 146 | 7751389 | 92.16 | ug/l | 97 |
| 95) Hexachloroethane | 14.77 | 117 | 4024569 | 106.33 | ug/l | 95 |
| 96) 1,2-Dibromo-3-Chloropropan | 15.44 | 75 | 721968 | 92.93 | ug/l | 93 |
| 97) 1,2,4-Trichlorobenzene | 16.27 | 180 | 3808723 | 81.06 | ug/l | 98 |
| 98) Hexachlorobutadiene | 16.44 | 225 | 2107961 | 91.08 | ug/l | 98 |
| 99) Naphthalene | 16.51 | 128 | 5011248 | 90.51 | ug/l | 100 |
| 100) 1,2,3-Trichlorobenzene | 16.76 | 180 | 2551790 | 88.00 | ug/l | 98 |

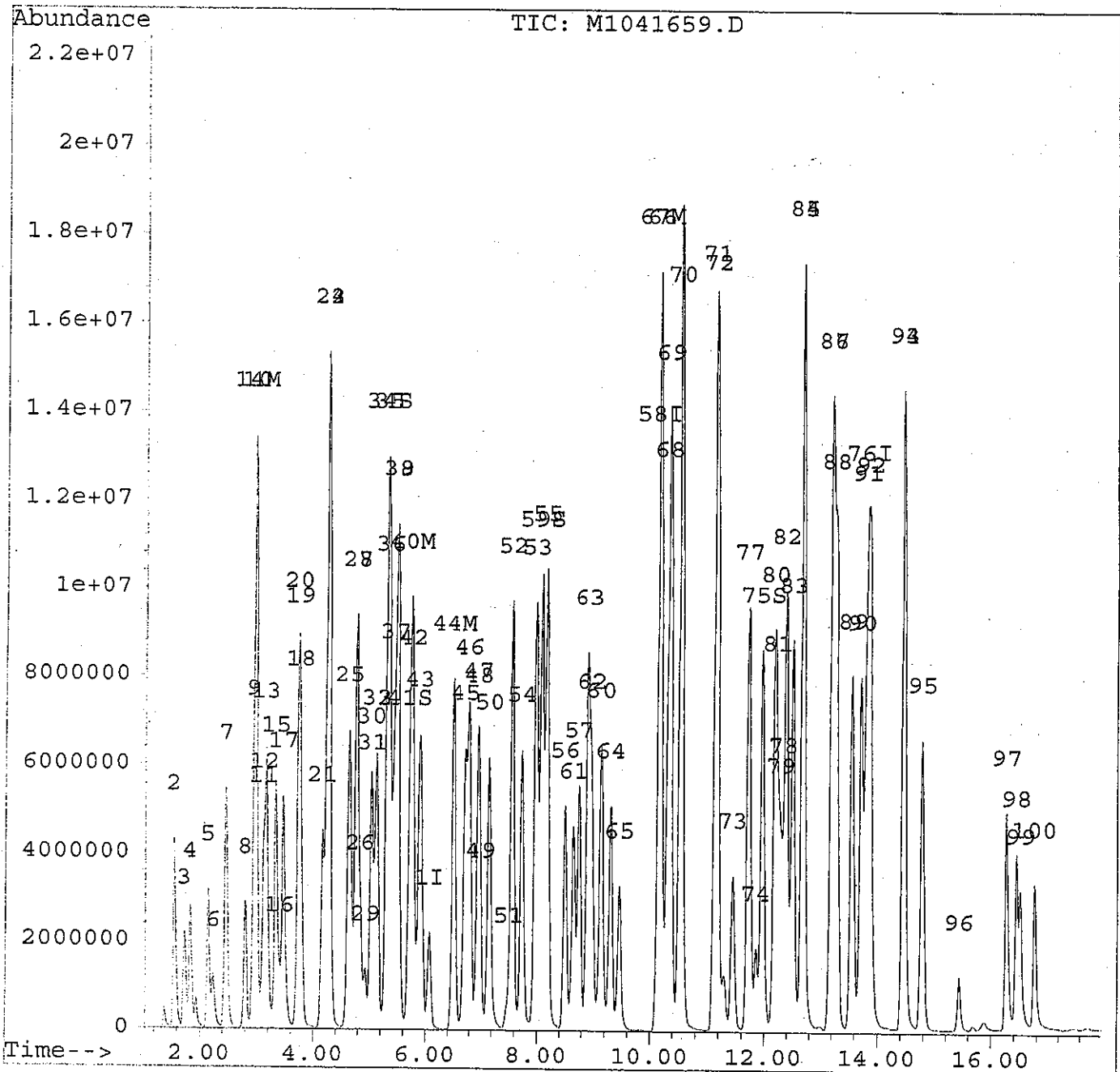
(#) = qualifier out of range (m) = manual integration
 M1041659.D HI072006.M Wed Aug 09 07:59:59 2006

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041659.D
Acq On : 8 Aug 106 1:48 pm
Sample : BPH0094-CAL6
Misc :
Quant Time: Aug 9 7:59 19106

Vial: 7
Operator: RES
Inst : VOA MASS
Multiplr: 1.00

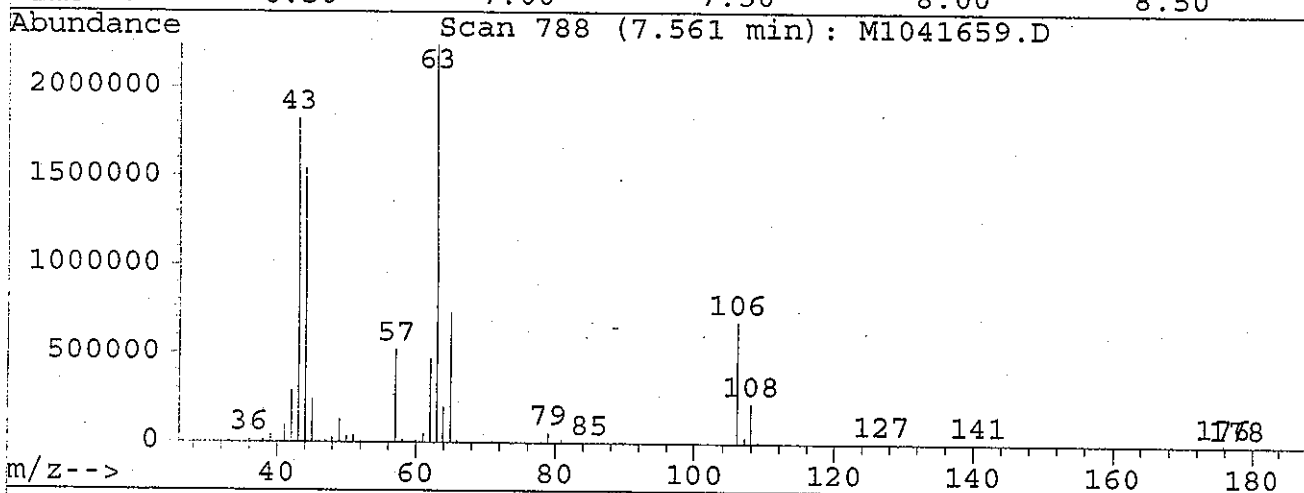
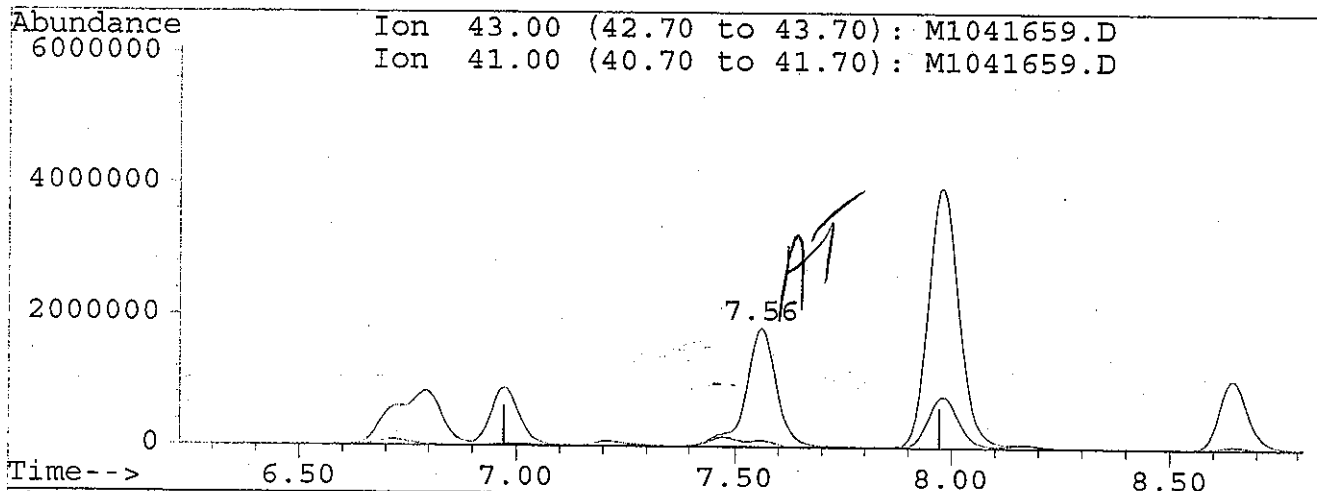
Method : C:\HPCHEM\1\METHODS\HI072006.M
Title : Element ID: 0607032
Last Update : Thu Jul 20 12:57:20 2006
Response via : Multiple Level Calibration



Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041659.D Vial: 7
 Acq On : 8 Aug 106 1:48 pm Operator: RES
 Sample : BPH0094-CAL6 Inst : VOA MASS
 Misc : Multiplr: 1.00
 Quant Time: Aug 8 14:06 19106

Method : C:\HPCHEM\1\METHODS\HI072006.M
 Title : Element ID: 0607032
 Last Update : Thu Jul 20 12:57:20 2006
 Response via : Multiple Level Calibration



TIC: M1041659.D

(51) 2-Nitropropane
 7.56min 1253.94ug/l
 response 9004190

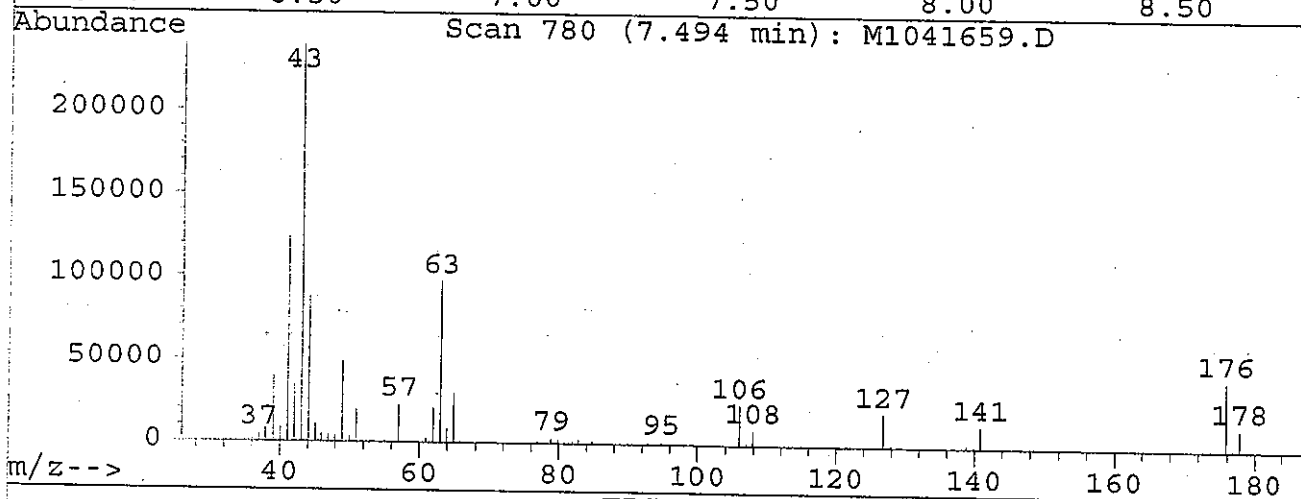
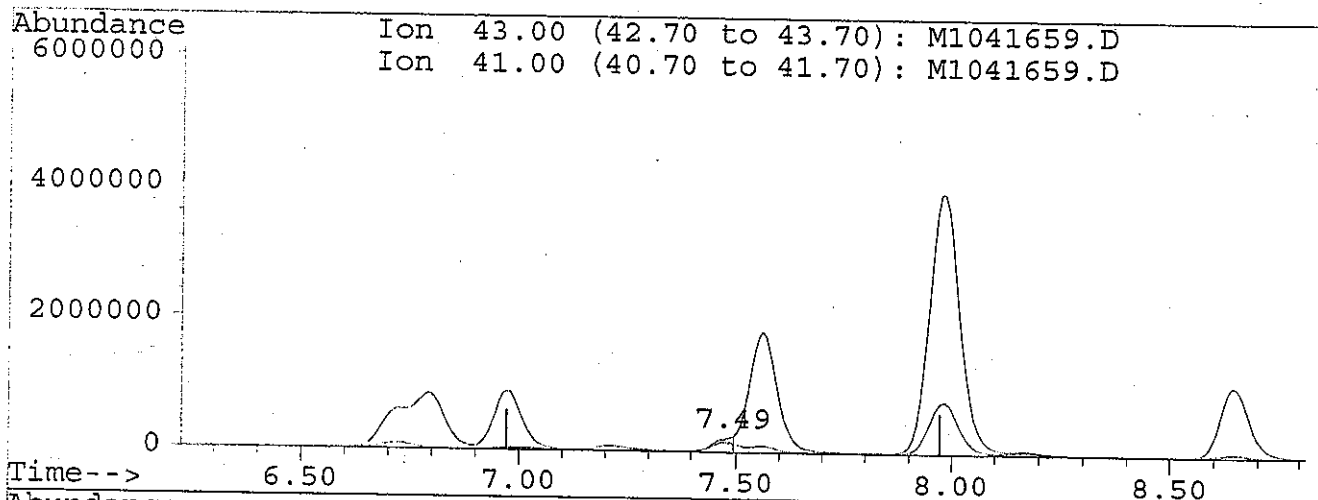
| Ion | Exp% | Act% |
|-------|-------|-------|
| 43.00 | 100 | 100 |
| 41.00 | 48.00 | 5.52# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041659.D
 Acq On : 8 Aug 106 1:48 pm
 Sample : BPH0094-CAL6
 Misc :
 Quant Time: Aug 9 7:58 19106

Vial: 7
 Operator: RES
 Inst : VOA MASS
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\HI072006.M
 Title : Element ID: 0607032
 Last Update : Thu Jul 20 12:57:20 2006
 Response via : Multiple Level Calibration



TIC: M1041659.D

(51) 2-Nitropropane
 7.49min 105.68ug/l m
 response 758836

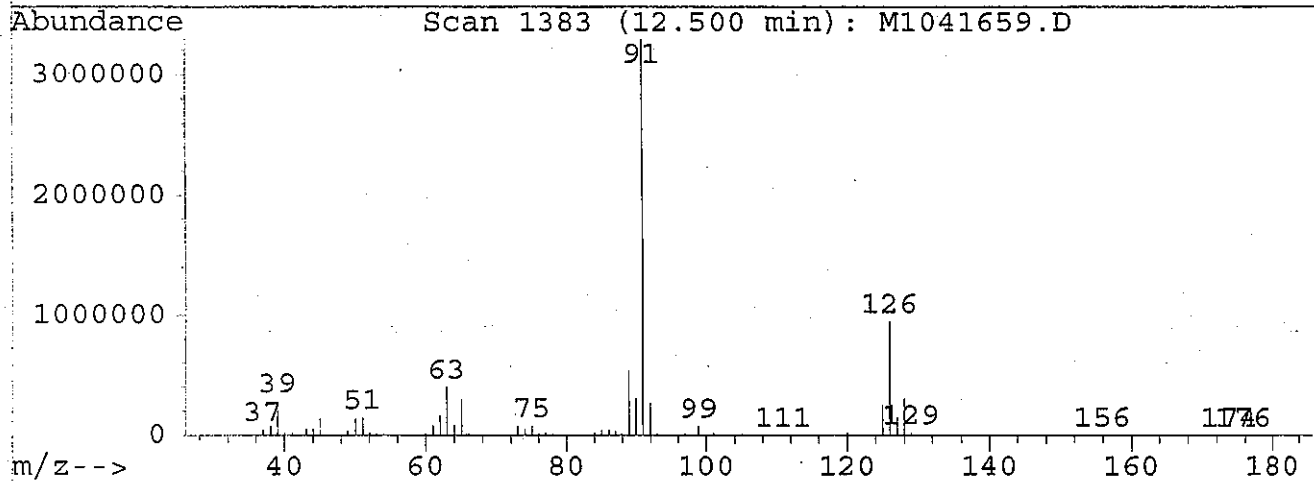
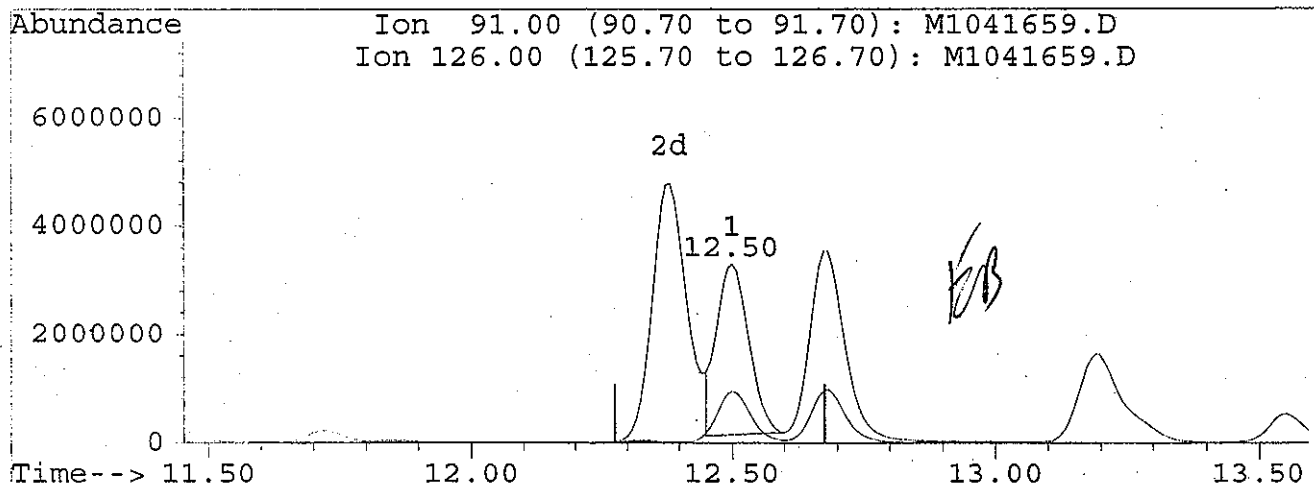
| Ion | Exp% | Act% |
|-------|-------|-------|
| 43.00 | 100 | 100 |
| 41.00 | 48.00 | 51.47 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041659.D
 Acq On : 8 Aug 106 1:48 pm
 Sample : BPH0094-CAL6
 Misc :
 Quant Time: Aug 9 7:58 19106

Vial: 7
 Operator: RES
 Inst : VOA MASS
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\HI072006.M
 Title : Element ID: 0607032
 Last Update : Thu Jul 20 12:57:20 2006
 Response via : Multiple Level Calibration



TIC: M1041659.D

(83) 2-Chlorotoluene

12.50min 85.18ug/l

response 13522031

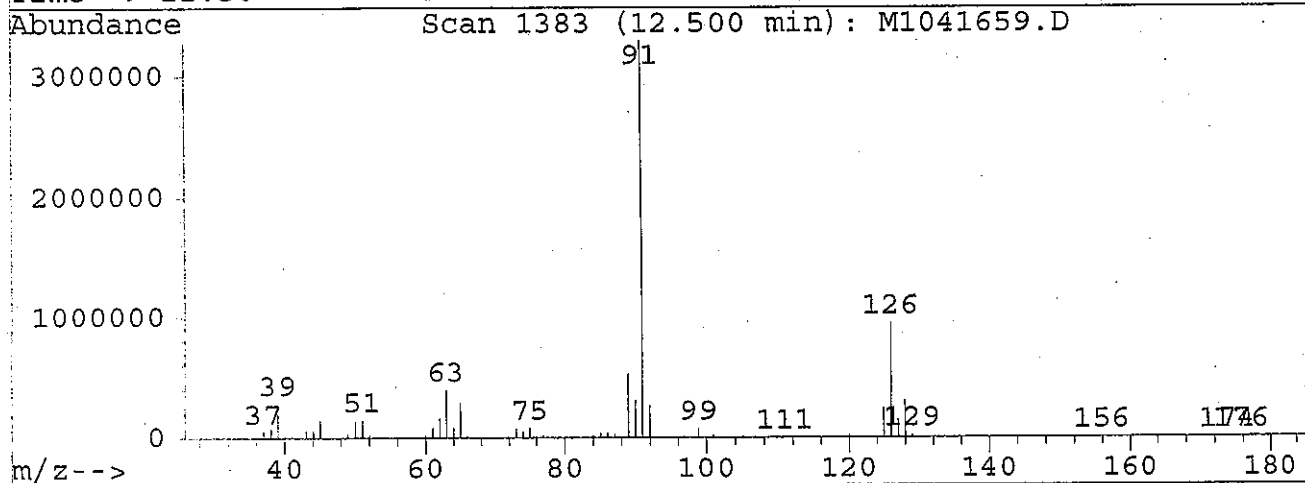
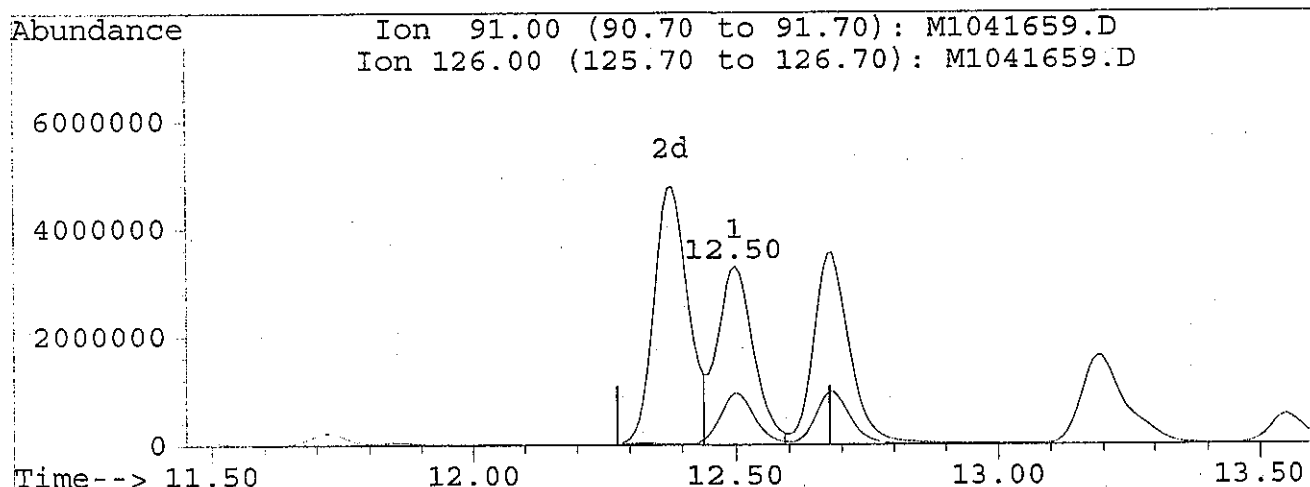
| Ion | Exp% | Act% |
|--------|-------|-------|
| 91.00 | 100 | 100 |
| 126.00 | 28.80 | 28.93 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041659.D
 Acq On : 8 Aug 106 1:48 pm
 Sample : BPH0094-CAL6
 Misc :
 Quant Time: Aug 9 7:59 19106

Vial: 7
 Operator: RES
 Inst : VOA MASS
 Multiplr: 1.00

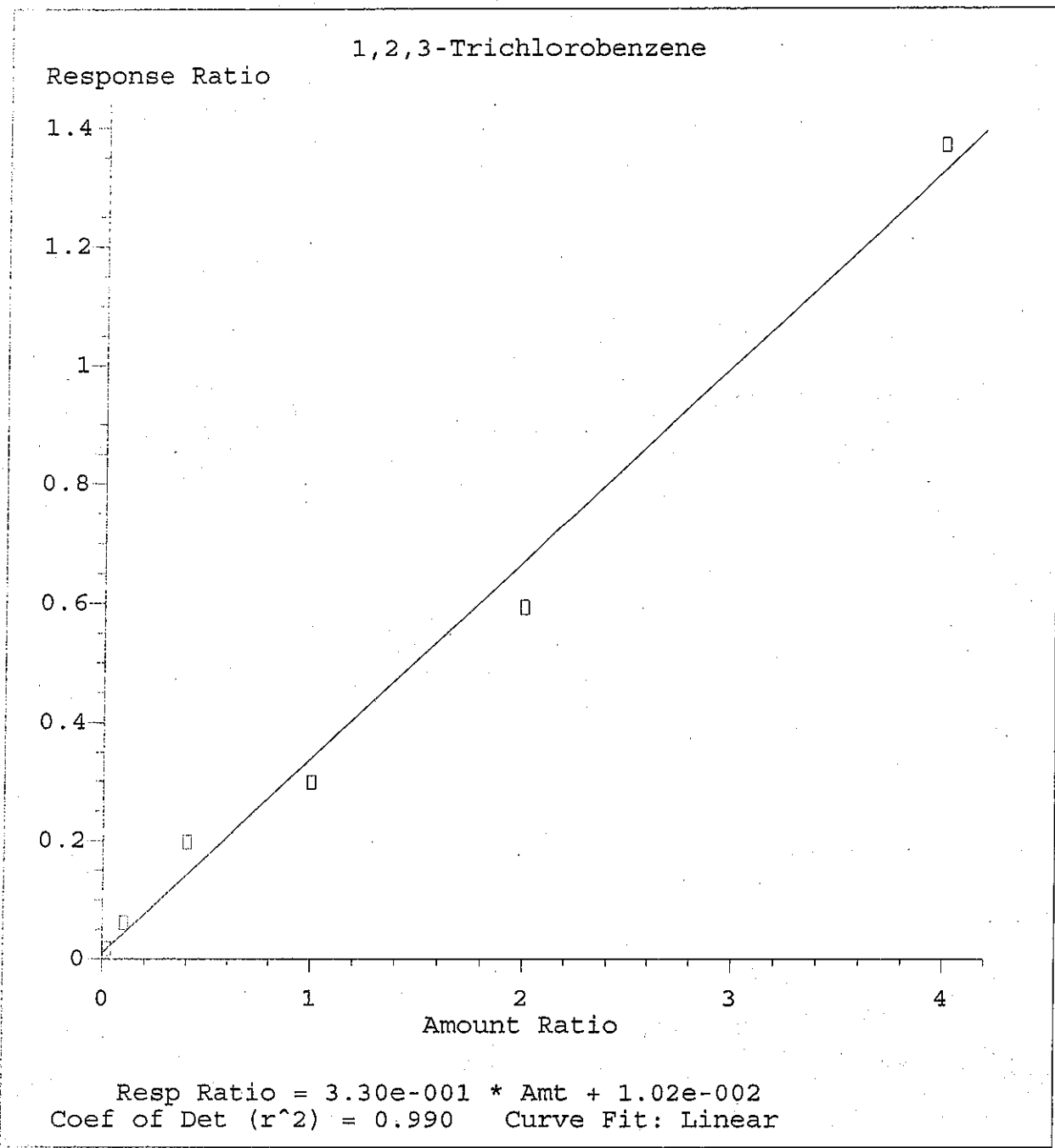
Method : C:\HPCHEM\1\METHODS\HI072006.M
 Title : Element ID: 0607032
 Last Update : Thu Jul 20 12:57:20 2006
 Response via : Multiple Level Calibration



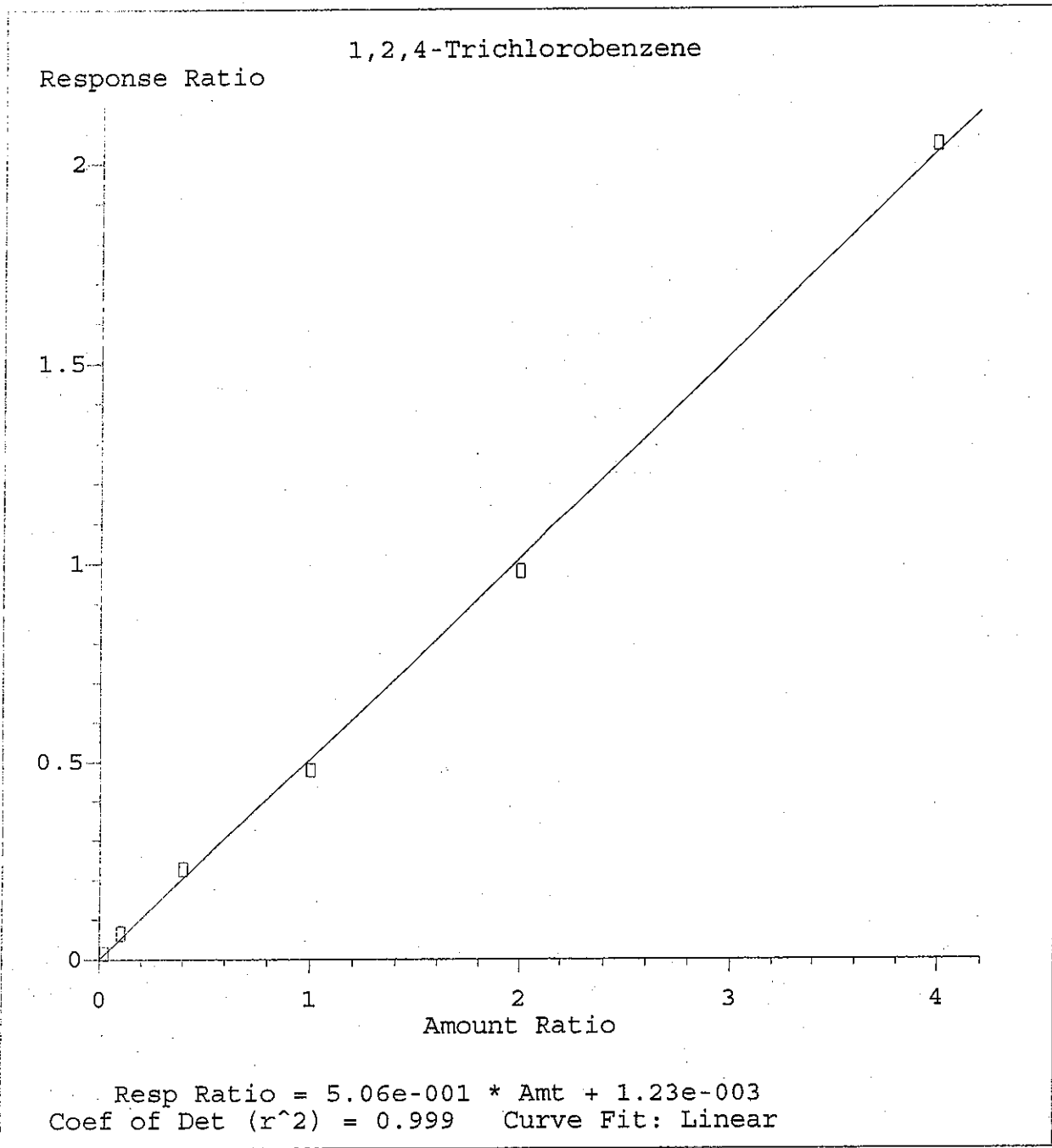
TIC: M1041659.D

(83) 2-Chlorotoluene
 12.50min 97.63ug/l m
 response 15498214

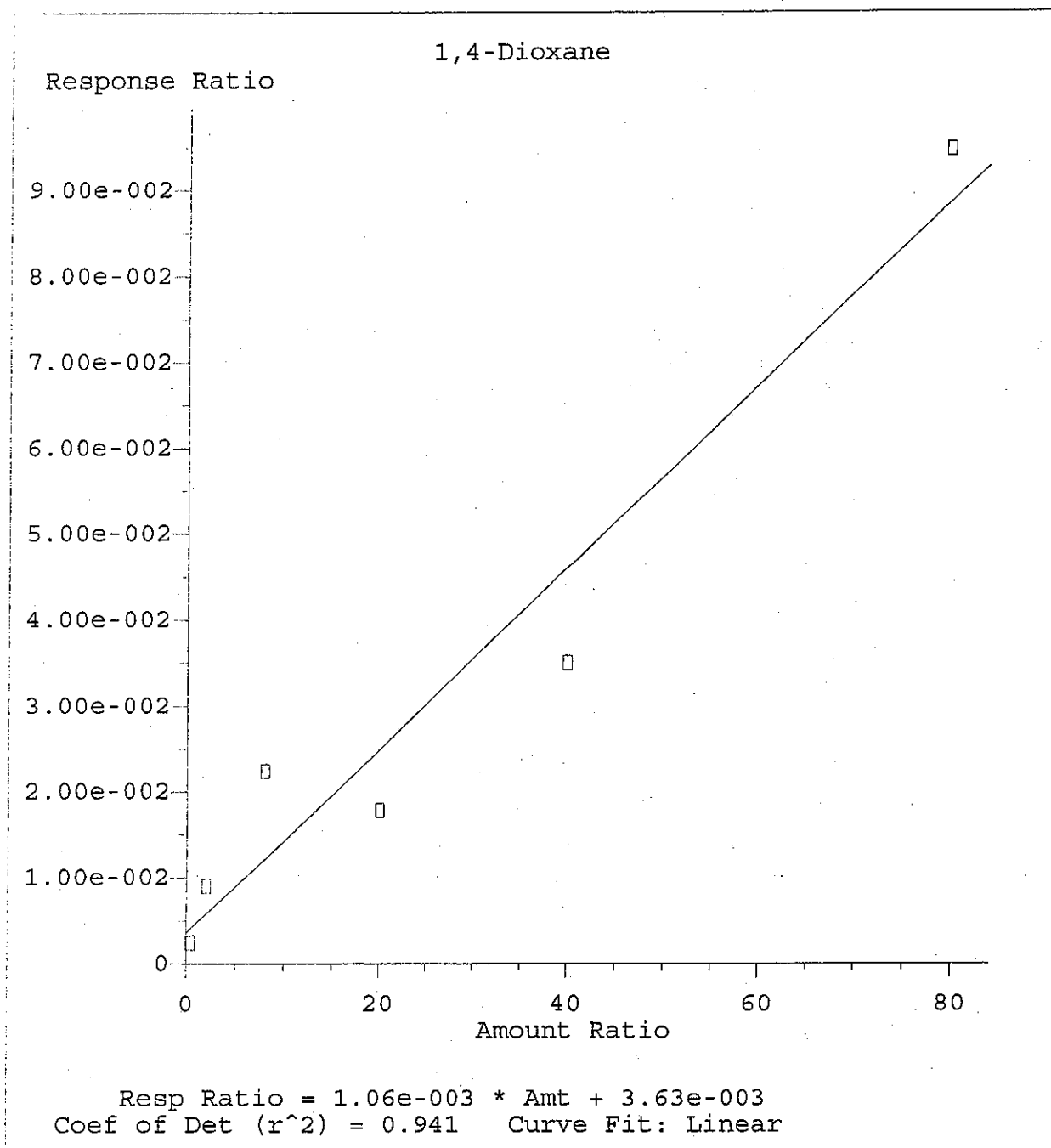
| Ion | Exp% | Act% |
|--------|-------|-------|
| 91.00 | 100 | 100 |
| 126.00 | 28.80 | 28.93 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |



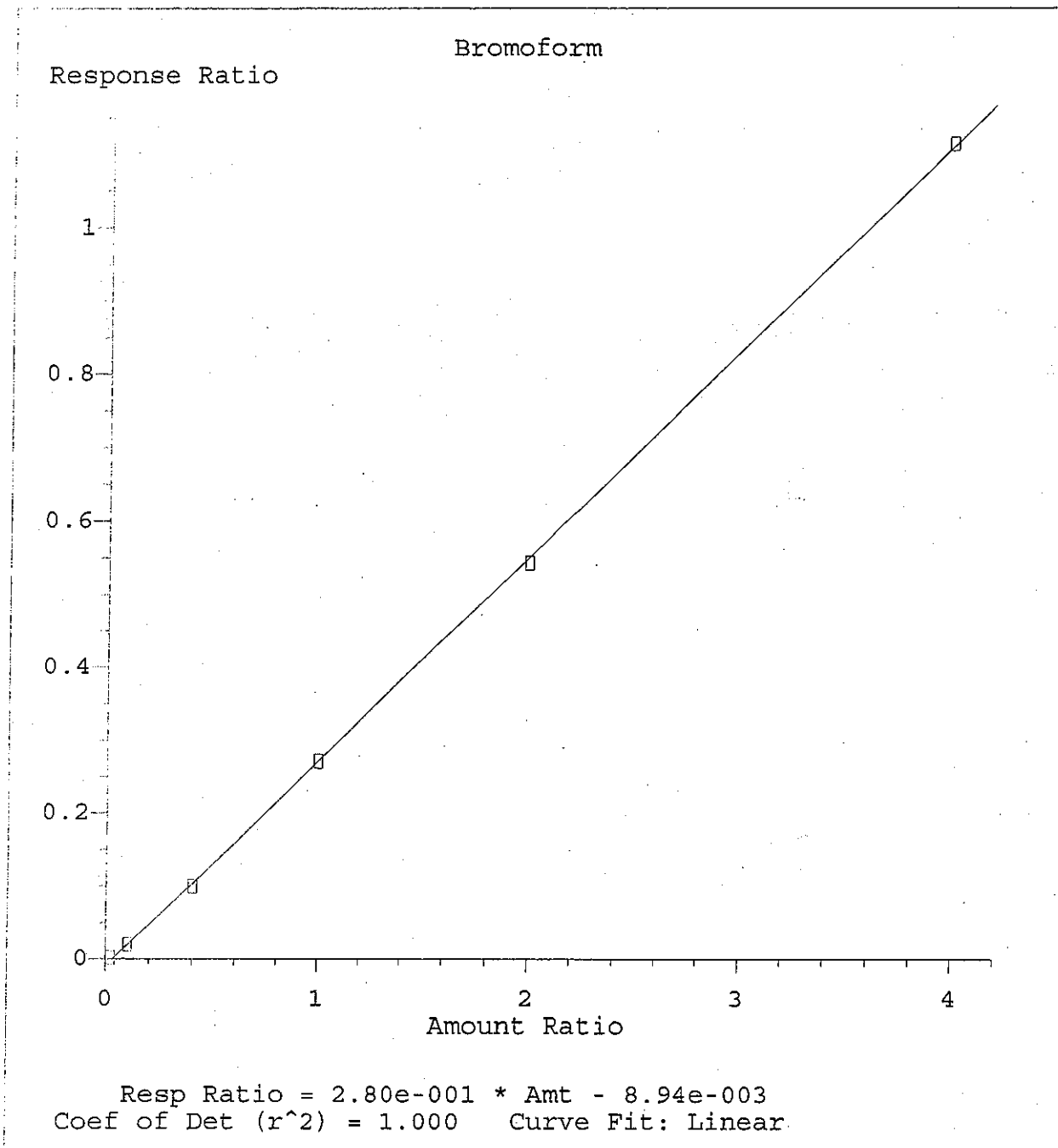
Method Name: C:\HPCHEM\1\METHODS\HI080806.M
Calibration Table Last Updated: Wed Aug 09 08:32:03 2006



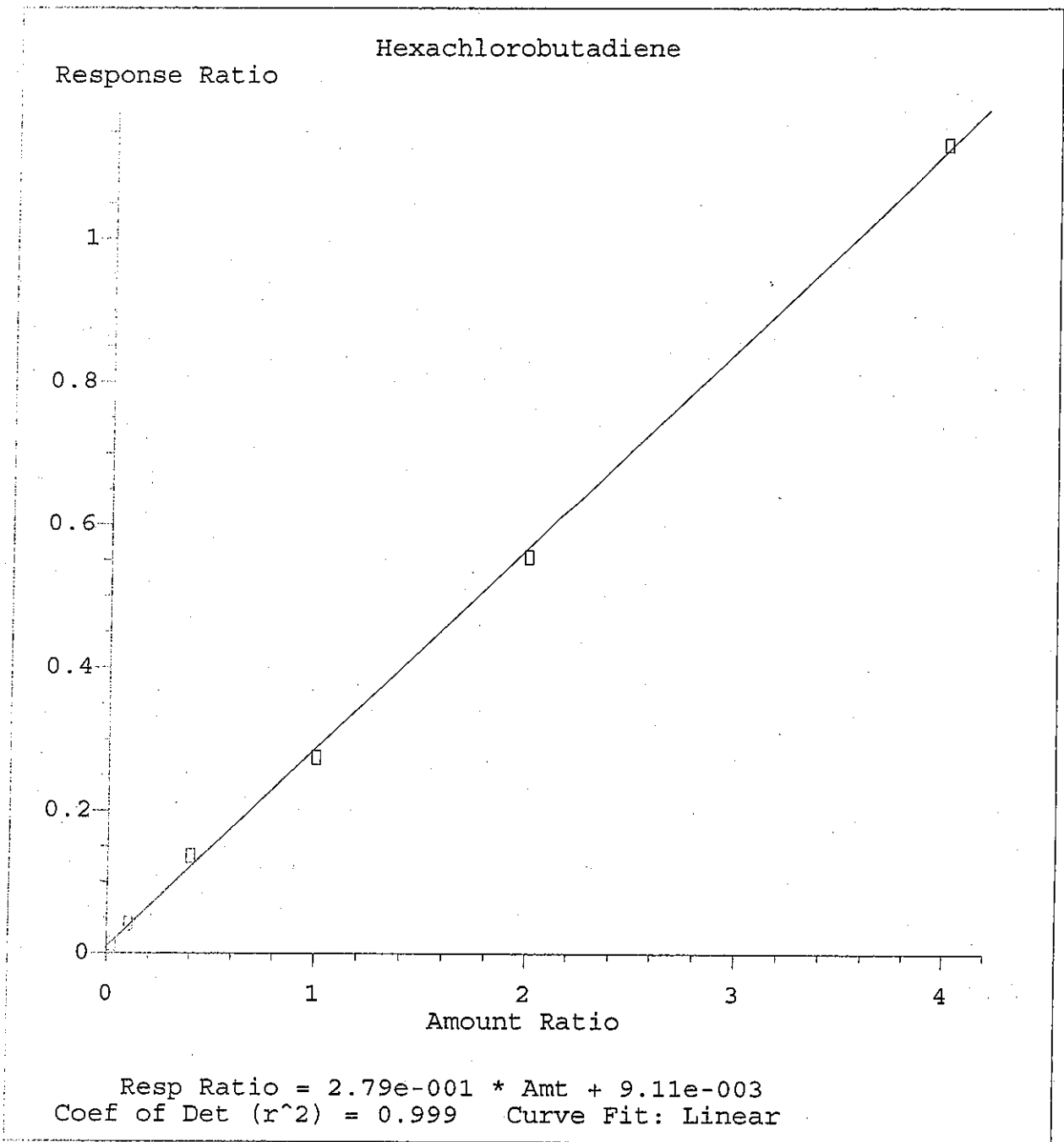
Method Name: C:\HPCHEM\1\METHODS\HI080806.M
Calibration Table Last Updated: Wed Aug 09 08:31:24 2006



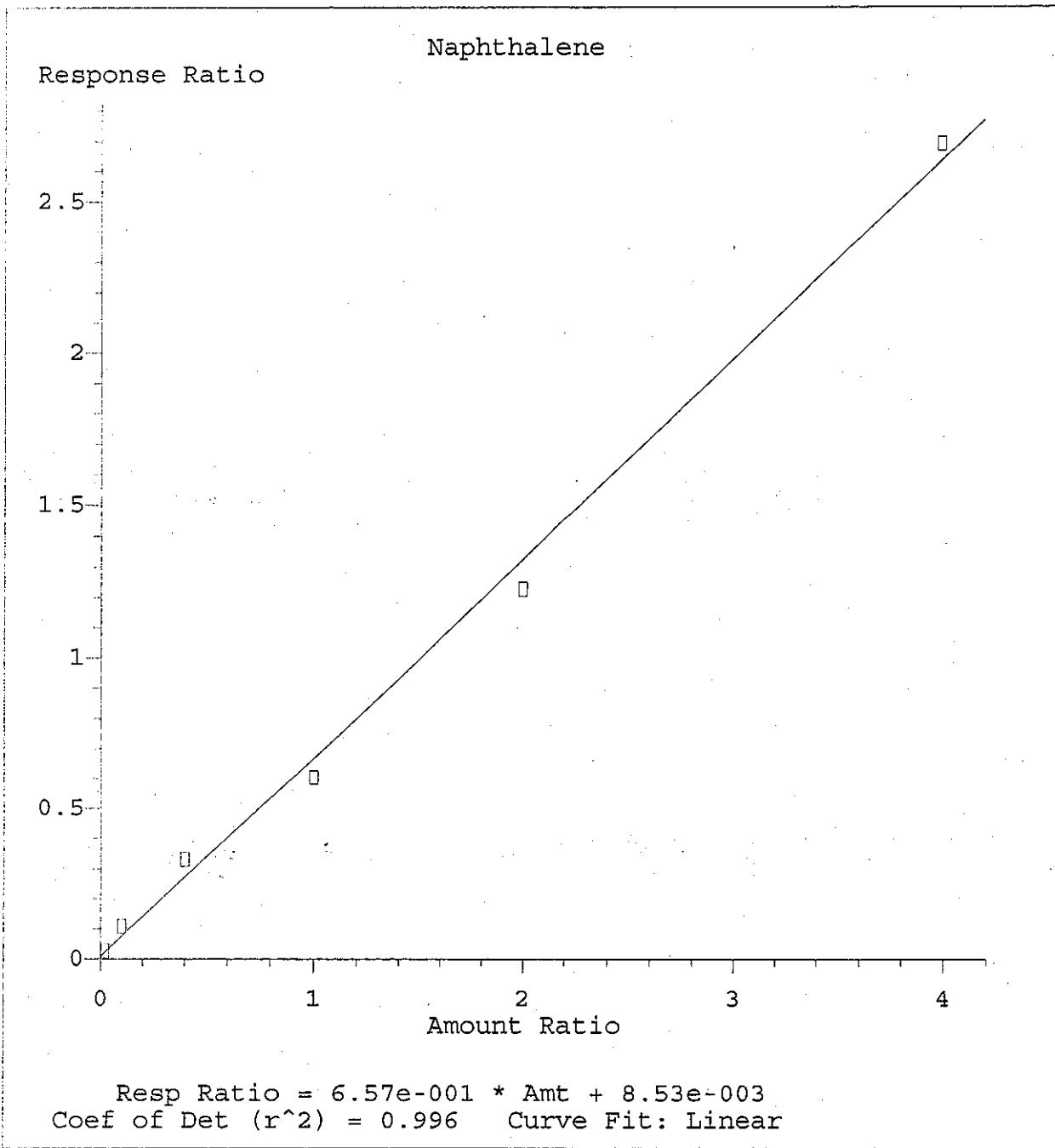
Method Name: C:\HPCHEM\1\METHODS\HI080806.M
Calibration Table Last Updated: Wed Aug 09 08:29:14 2006



Method Name: C:\HPCHEM\1\METHODS\HI080806.M
Calibration Table Last Updated: Wed Aug 09 08:30:14 2006



Method Name: C:\HPCHEM\1\METHODS\HI080806.M
Calibration Table Last Updated: Wed Aug 09 08:31:50 2006



Method Name: C:\HPCHEM\1\METHODS\HI080806.M
Calibration Table Last Updated: Wed Aug 09 08:32:03 2006

Evaluate Continuing Calibration Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041661.D Vial: 9
 Acq On : 8 Aug 106 2:42 pm Operator: RES
 Sample : BPH0094-SCV1 Inst : VOA MASS
 Misc : Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\HI080806.M
 Title : Element ID: 0607032
 Last Update : Wed Aug 09 08:32:39 2006
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev (min) |
|------|------------------------------|-------|-------|--------|-------|-----------|
| 1 I | Fluorobenzene | 1.000 | 1.000 | 0.0 | 99 | 0.00 |
| 2 | Dichlorodifluoromethane | 0.458 | 0.434 | 5.3 | 88 | 0.00 |
| 3 | Chloromethane | 0.307 | 0.286 | 7.0 | 93 | 0.00 |
| 4 | Vinyl Chloride | 0.292 | 0.293 | -0.3 | 95 | 0.00 |
| 5 | Bromomethane | 0.229 | 0.230 | -0.5 | 103 | 0.00 |
| 6 | Chloroethane | 0.103 | 0.112 | -9.1 | 102 | 0.00 |
| 7 | Trichlorofluoromethane | 0.512 | 0.550 | -7.4 | 103 | 0.00 |
| 8 | Diethyl ether | 0.182 | 0.202 | -11.0 | 107 | 0.00 |
| 9 | Acrolein | 0.023 | 0.010 | 56.3# | 44# | 0.00 |
| 10 | 1,1,2-Trichloro-1,2,2-trifl | 0.512 | 0.530 | -3.5 | 100 | 0.00 |
| 11 | Acetone | 0.010 | 0.010 | -5.0 | 106 | -0.02 |
| 12 | Iodomethane | 0.537 | 0.557 | -3.7 | 100 | 0.00 |
| 13 | Carbon Disulfide | 0.723 | 0.834 | -15.3 | 110 | 0.00 |
| 14 M | 1,1-Dichloroethene | 0.263 | 0.306 | -16.2 | 112 | 0.00 |
| 15 | Allyl Chloride | 0.501 | 0.498 | 0.5 | 100 | 0.00 |
| 16 | Methyl Acetate | 0.147 | 0.157 | -6.5 | 111 | -0.02 |
| 17 | Methylene Chloride | 0.292 | 0.300 | -2.9 | 106 | 0.00 |
| 18 | Methyl tert-Butyl Ether | 0.573 | 0.602 | -5.0 | 104 | 0.00 |
| 19 | Acrylonitrile | 0.042 | 0.046 | -9.7 | 103 | 0.00 |
| 20 | trans-1,2-Dichloroethene | 0.304 | 0.332 | -9.4 | 105 | 0.00 |
| 21 | 1,1-Dichloroethane | 0.526 | 0.560 | -6.5 | 102 | 0.00 |
| 22 | Vinyl Acetate | 1.001 | 0.947 | 5.4 | 94 | 0.00 |
| 23 | Chloroprene | 0.355 | 0.000 | 100.0# | 0# | -4.24# |
| 24 | Di-isopropyl ether | 1.202 | 1.241 | -3.3 | 102 | 0.00 |
| 25 | Ethyl tertiary-butyl ether | 0.876 | 0.896 | -2.3 | 98 | 0.00 |
| 26 | 2-Butanone | 0.013 | 0.014 | -2.0 | 102 | 0.00 |
| 27 | cis-1,2 Dichloroethene | 0.290 | 0.331 | -13.9 | 110 | 0.00 |
| 28 | 2,2-Dichloropropane | 0.411 | 0.392 | 4.7 | 94 | 0.00 |
| 29 | Methyl Acrylate | 0.166 | 0.166 | -0.0 | 101 | 0.00 |
| 30 | Bromochloromethane | 0.154 | 0.167 | -8.2 | 105 | 0.00 |
| 31 | Methacrylonitrile | 0.099 | 0.107 | -7.6 | 106 | -0.02 |
| 32 | Tetrahydrofuran | 0.043 | 0.045 | -3.9 | 107 | 0.00 |
| 33 | Chloroform | 0.520 | 0.559 | -7.5 | 105 | 0.00 |
| 34 S | Dibromofluoromethane (SURR) | 0.464 | 0.473 | -2.1 | 100 | 0.00 |
| 35 | 1,1,1-Trichloroethane | 0.423 | 0.460 | -8.8 | 104 | 0.00 |
| 36 | Cyclohexane | 0.308 | 0.326 | -6.0 | 102 | 0.00 |
| 37 | 1-Chlorobutane | 0.534 | 0.558 | -4.6 | 98 | 0.00 |
| 38 | 1,1-Dichloropropene | 0.366 | 0.392 | -7.0 | 104 | 0.00 |
| 39 | Carbon Tetrachloride | 0.360 | 0.402 | -11.6 | 107 | 0.00 |
| 40 M | Benzene | 0.923 | 0.970 | -5.1 | 102 | 0.00 |
| 41 S | 1,2-Dichloroethane-d4 (SURR) | 0.233 | 0.228 | 2.0 | 94 | 0.00 |
| 42 | 1,2-Dichloroethane | 0.274 | 0.283 | -3.2 | 99 | 0.00 |

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041661.D Vial: 9
 Acq On : 8 Aug 106 2:42 pm Operator: RES
 Sample : BPH0094-SCV1 Inst : VOA MASS
 Misc : Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\HI080806.M
 Title : Element ID: 0607032
 Last Update : Wed Aug 09 08:32:39 2006
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------|-----------------------------|-------|-------|--------|-------|----------|
| 43 | Tertiary-amyl methyl ether | 0.792 | 0.793 | -0.1 | 100 | 0.00 |
| 44 M | Trichloroethene | 0.382 | 0.403 | -5.5 | 104 | 0.00 |
| 45 | Methyl Cyclohexane | 0.345 | 0.367 | -6.5 | 102 | 0.00 |
| 46 | 1,2-Dichloropropane | 0.358 | 0.369 | -3.1 | 100 | 0.00 |
| 47 | Dibromomethane | 0.227 | 0.255 | -12.5 | 107 | 0.00 |
| 48 | Methyl Methacrylate | 0.224 | 0.238 | -6.2 | 106 | 0.00 |
| 49 | 1,4-Dioxane | 0.003 | 0.001 | 56.6# | 133 | 0.00 |
| 50 | Bromodichloromethane | 0.507 | 0.592 | -16.8 | 109 | 0.00 |
| 51 | 2-Nitropropane | 0.040 | 0.042 | -3.5 | 102 | -0.02 |
| 52 | 2-Chloroethyl vinyl ether | 0.103 | 0.021 | 80.0# | 19# | 0.00 |
| 53 | 4-Methyl-2-Pentanone | 0.084 | 0.089 | -6.2 | 103 | 0.00 |
| 54 | cis-1,3-Dichloropropene | 0.469 | 0.501 | -6.9 | 98 | 0.00 |
| 55 | Toluene | 0.622 | 0.671 | -7.8 | 105 | 0.00 |
| 56 | trans-1,3-Dichloropropene | 0.357 | 0.351 | 1.9 | 92 | 0.00 |
| 57 | 1,1,2-Trichloroethane | 0.216 | 0.233 | -7.6 | 103 | 0.00 |
| 58 I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 59 S | Toluene-d8 (SURR) | 1.127 | 1.145 | -1.6 | 100 | 0.00 |
| 60 | 2-Hexanone | 0.159 | 0.167 | -5.2 | 105 | 0.00 |
| 61 | Ethyl Methacrylate | 0.418 | 0.439 | -5.2 | 101 | 0.00 |
| 62 | 1,3-Dichloropropane | 0.485 | 0.524 | -8.1 | 104 | 0.00 |
| 63 | Tetrachloroethene | 0.346 | 0.373 | -7.8 | 105 | 0.00 |
| 64 | Dibromochloromethane | 0.391 | 0.445 | -14.0 | 105 | 0.00 |
| 65 | 1,2-Dibromoethane | 0.375 | 0.405 | -8.1 | 102 | 0.00 |
| 66 | 1-Chlorohexane | 0.481 | 0.472 | 1.8 | 100 | 0.00 |
| 67 M | Chlorobenzene | 0.844 | 0.888 | -5.3 | 103 | 0.00 |
| 68 | 1,1,1,2-Tetrachloroethane | 0.344 | 0.377 | -9.6 | 103 | 0.00 |
| 69 | Ethylbenzene | 1.319 | 1.446 | -9.6 | 107 | 0.00 |
| 70 | Xylene P,M | 0.519 | 0.560 | -8.0 | 105 | 0.00 |
| 71 | Xylene O | 0.505 | 0.539 | -6.7 | 104 | 0.00 |
| 72 | Styrene | 0.871 | 0.950 | -9.2 | 104 | 0.00 |
| 73 | Bromoform | 0.228 | 0.278 | -22.1 | 103 | 0.00 |
| 74 | cis1,4-Dichloro-2-butene | 0.061 | 0.000 | 100.0# | 0# | -11.85# |
| 75 S | Bromofluorobenzene (SURR) | 0.640 | 0.619 | 3.3 | 98 | 0.00 |
| 76 I | 1,4 Dichlorobenzene-D4 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 77 | Isopropylbenzene | 2.721 | 2.696 | 0.9 | 97 | 0.00 |
| 78 | Trans-1,4-Dichloro-2-Butene | 0.156 | 0.150 | 3.9 | 90 | -0.01 |
| 79 | 1,2,3-Trichloropropane | 0.700 | 0.707 | -1.0 | 101 | 0.00 |
| 80 | Bromobenzene | 0.751 | 0.816 | -8.7 | 106 | 0.00 |
| 81 | 1,1,2,2-Tetrachloroethane | 0.814 | 0.822 | -0.9 | 101 | 0.00 |
| 82 | n-Propylbenzene | 3.098 | 3.200 | -3.3 | 103 | 0.00 |

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041661.D Vial: 9
 Acq On : 8 Aug 106 2:42 pm Operator: RES
 Sample : BPH0094-SCV1 Inst : VOA MASS
 Misc : Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\HI080806.M
 Title : Element ID: 0607032
 Last Update : Wed Aug 09 08:32:39 2006
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|-----|-----------------------------|-------|-------|-------|-------|----------|
| 83 | 2-Chlorotoluene | 2.163 | 2.313 | -6.9 | 111 | 0.00 |
| 84 | 4-Chlorotoluene | 2.337 | 2.403 | -2.8 | 102 | 0.00 |
| 85 | 1,3,5-Trimethylbenzene | 2.072 | 2.188 | -5.6 | 105 | 0.00 |
| 86 | tert-Butylbenzene | 2.417 | 2.559 | -5.9 | 105 | 0.00 |
| 87 | Pentachloroethane | 2.417 | 2.559 | -5.9 | 105 | 0.00 |
| 88 | 1,2,4-Trimethylbenzene | 2.121 | 2.244 | -5.8 | 107 | 0.00 |
| 89 | sec-Butylbenzene | 2.612 | 2.698 | -3.3 | 106 | 0.00 |
| 90 | 1,3 Dichlorobenzene | 1.208 | 1.228 | -1.6 | 101 | 0.01 |
| 91 | 4-Isopropyltoluene | 1.944 | 2.004 | -3.1 | 105 | 0.00 |
| 92 | 1,4 Dichlorobenzene | 1.286 | 1.305 | -1.4 | 102 | 0.00 |
| 93 | n-Butylbenzene | 1.736 | 1.777 | -2.4 | 107 | 0.00 |
| 94 | 1,2 Dichlorobenzene | 1.048 | 1.092 | -4.2 | 104 | 0.00 |
| 95 | Hexachloroethane | 0.490 | 0.520 | -6.2 | 102 | 0.00 |
| 96 | 1,2-Dibromo-3-Chloropropane | 0.091 | 0.102 | -12.0 | 115 | 0.00 |
| 97 | 1,2,4-Trichlorobenzene | 0.578 | 0.534 | 7.5 | 112 | 0.00 |
| 98 | Hexachlorobutadiene | 0.373 | 0.329 | 11.7 | 120 | 0.00 |
| 99 | Naphthalene | 0.858 | 0.744 | 13.3 | 123 | 0.00 |
| 100 | 1,2,3-Trichlorobenzene | 0.489 | 0.377 | 22.9 | 127 | 0.00 |

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041661.D
 Acq On : 8 Aug 106 2:42 pm
 Sample : BPH0094-SCV1
 Misc :
 Quant Time: Aug 9 8:35 19106

Vial: 9
 Operator: RES
 Inst : VOA MASS
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\HI080806.M
 Title : Element ID: 0607032
 Last Update : Wed Aug 09 08:32:39 2006
 Response via : Multiple Level Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Fluorobenzene | 6.06 | 96 | 4645391 | 25.00 | ug/l | 0.00 |
| 58) Chlorobenzene-d5 | 10.13 | 117 | 3959726 | 25.00 | ug/l | 0.00 |
| 76) 1,4 Dichlorobenzene-D4 | 13.82 | 152 | 1876512 | 25.00 | ug/l | 0.00 |

| System Monitoring Compounds | R.T. | QIon | Response | Conc | Units | %Recovery |
|----------------------------------|-------|------|----------|-------|-------|-----------|
| 34) Dibromofluoromethane (SURR) | 5.31 | 111 | 2198717 | 25.52 | ug/l | 102.07% |
| 41) 1,2-Dichloroethane-d4 (SURR) | 5.69 | 65 | 1061042 | 24.49 | ug/l | 97.98% |
| 59) Toluene-d8 (SURR) | 8.08 | 98 | 4535437 | 25.41 | ug/l | 101.64% |
| 75) Bromofluorobenzene (SURR) | 11.96 | 95 | 2449697 | 24.18 | ug/l | 96.72% |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|--------------------------------|------|------|----------|--------|-------|--------|
| 2) Dichlorodifluoromethane | 1.54 | 85 | 2014189 | 23.67 | ug/l | 98 |
| 3) Chloromethane | 1.72 | 50 | 1328910 | 23.26 | ug/l | 100 |
| 4) Vinyl Chloride | 1.82 | 62 | 1359856 | 25.09 | ug/l | 98 |
| 5) Bromomethane | 2.14 | 94 | 1069217 | 25.13 | ug/l | 95 |
| 6) Chloroethane | 2.23 | 64 | 520664 | 27.26 | ug/l | 98 |
| 7) Trichlorofluoromethane | 2.46 | 101 | 2553372 | 26.85 | ug/l | 98 |
| 8) Diethyl ether | 2.79 | 59 | 940195 | 27.75 | ug/l | 99 |
| 9) Acrolein | 2.92 | 56 | 46077 | 10.92 | ug/l | 97 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.97 | 101 | 2460979 | 25.88 | ug/l | 99 |
| 11) Acetone | 3.08 | 58 | 237103 | 131.21 | ug/l | 89 |
| 12) Iodomethane | 3.12 | 142 | 2587098 | 25.93 | ug/l | 99 |
| 13) Carbon Disulfide | 3.17 | 76 | 3873849 | 28.82 | ug/l | 99 |
| 14) 1,1-Dichloroethene | 2.97 | 96 | 1422354 | 29.05 | ug/l | 97 |
| 15) Allyl Chloride | 3.33 | 41 | 2314217 | 24.87 | ug/l | 100 |
| 16) Methyl Acetate | 3.39 | 43 | 727219 | 26.62 | ug/l | 95 |
| 17) Methylene Chloride | 3.46 | 84 | 1394471 | 25.72 | ug/l | 98 |
| 18) Methyl tert-Butyl Ether | 3.76 | 73 | 2796025 | 26.26 | ug/l | 99 |
| 19) Acrylonitrile | 3.74 | 53 | 215412 | 27.41 | ug/l | 94 |
| 20) trans-1,2-Dichloroethene | 3.73 | 96 | 1543379 | 27.34 | ug/l | 98 |
| 21) 1,1-Dichloroethane | 4.16 | 63 | 2602547 | 26.63 | ug/l | 99 |
| 22) Vinyl Acetate | 4.24 | 43 | 4400793 | 23.65 | ug/l | 100 |
| 24) Di-isopropyl ether | 4.25 | 45 | 5766285 | 25.83 | ug/l | 98 |
| 25) Ethyl tertiary-butyl ether | 4.63 | 59 | 4162651 | 25.58 | ug/l | 98 |
| 26) 2-Butanone | 4.84 | 72 | 317191 | 127.53 | ug/l | 98 |
| 27) cis-1,2 Dichloroethene | 4.77 | 96 | 1536248 | 28.47 | ug/l | 99 |
| 28) 2,2-Dichloropropane | 4.76 | 77 | 1820271 | 23.81 | ug/l | 99 |
| 29) Methyl Acrylate | 4.93 | 55 | 772294 | 25.01 | ug/l | 99 |
| 30) Bromochloromethane | 5.03 | 128 | 775116 | 27.04 | ug/l | 92 |
| 31) Methacrylonitrile | 5.05 | 41 | 495815 | 26.91 | ug/l | 98 |
| 32) Tetrahydrofuran | 5.12 | 42 | 207179 | 25.97 | ug/l | 91 |
| 33) Chloroform | 5.13 | 83 | 2594586 | 26.87 | ug/l | 99 |
| 35) 1,1,1-Trichloroethane | 5.31 | 97 | 2135342 | 27.19 | ug/l | 99 |
| 36) Cyclohexane | 5.36 | 56 | 1516312 | 26.51 | ug/l | 98 |

(#) = qualifier out of range (m) = manual integration
 M1041661.D HI080806.M Wed Aug 09 08:37:03 2006

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041661.D
 Acq On : 8 Aug 106 2:42 pm
 Sample : BPH0094-SCV1
 Misc :
 Quant Time: Aug 9 8:35 19106

Vial: 9
 Operator: RES
 Inst : VOA MASS
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\HI080806.M
 Title : Element ID: 0607032
 Last Update : Wed Aug 09 08:32:39 2006
 Response via : Multiple Level Calibration

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|--------|------|--------|
| 37) 1-Chlorobutane | 5.43 | 56 | 2593639 | 26.15 | ug/l | 98 |
| 38) 1,1-Dichloropropene | 5.49 | 75 | 1821383 | 26.75 | ug/l | 98 |
| 39) Carbon Tetrachloride | 5.48 | 117 | 1866489 | 27.91 | ug/l | 99 |
| 40) Benzene | 5.74 | 78 | 4505011 | 26.27 | ug/l | 100 |
| 42) 1,2-Dichloroethane | 5.77 | 62 | 1315027 | 25.79 | ug/l | 98 |
| 43) Tertiary-amyl methyl ether | 5.90 | 73 | 3682048 | 25.03 | ug/l | 98 |
| 44) Trichloroethene | 6.50 | 95 | 1871350 | 26.37 | ug/l | 98 |
| 45) Methyl Cyclohexane | 6.72 | 83 | 1704177 | 26.62 | ug/l | 98 |
| 46) 1,2-Dichloropropane | 6.79 | 63 | 1716227 | 25.77 | ug/l | 99 |
| 47) Dibromomethane | 6.94 | 93 | 1185298 | 28.12 | ug/l | 99 |
| 48) Methyl Methacrylate | 6.97 | 41 | 1103450 | 26.55 | ug/l | 96 |
| 49) 1,4-Dioxane | 7.02 | 88 | 110494 | 474.53 | ug/l | 100 |
| 50) Bromodichloromethane | 7.15 | 83 | 2748233 | 29.19 | ug/l | 100 |
| 51) 2-Nitropropane | 7.47 | 43 | 194044 | 25.87 | ug/l | # 38 |
| 52) 2-Chloroethyl vinyl ether | 7.55 | 63 | 477854 | 24.95 | ug/l | 99 |
| 53) 4-Methyl-2-Pentanone | 7.98 | 58 | 2069229 | 132.74 | ug/l | 91 |
| 54) cis-1,3-Dichloropropene | 7.73 | 75 | 2327561 | 26.73 | ug/l | 99 |
| 55) Toluene | 8.17 | 92 | 3117383 | 26.95 | ug/l | 99 |
| 56) trans-1,3-Dichloropropene | 8.50 | 75 | 1628691 | 24.54 | ug/l | 98 |
| 57) 1,1,2-Trichloroethane | 8.75 | 83 | 1082211 | 26.91 | ug/l | 98 |
| 60) 2-Hexanone | 9.13 | 43 | 3302812 | 131.44 | ug/l | 100 |
| 61) Ethyl Methacrylate | 8.64 | 69 | 1739353 | 26.30 | ug/l | 99 |
| 62) 1,3-Dichloropropane | 8.98 | 76 | 2074108 | 27.02 | ug/l | 99 |
| 63) Tetrachloroethene | 8.92 | 164 | 1475588 | 26.94 | ug/l | 99 |
| 64) Dibromochloromethane | 9.29 | 129 | 1763243 | 28.49 | ug/l | 100 |
| 65) 1,2-Dibromoethane | 9.45 | 107 | 1605604 | 27.02 | ug/l | 99 |
| 66) 1-Chlorohexane | 10.16 | 91 | 1869131 | 24.56 | ug/l | 99 |
| 67) Chlorobenzene | 10.17 | 112 | 3518008 | 26.33 | ug/l | 100 |
| 68) 1,1,1,2-Tetrachloroethane | 10.31 | 131 | 1493619 | 27.40 | ug/l | 99 |
| 69) Ethylbenzene | 10.35 | 91 | 5723934 | 27.39 | ug/l | 100 |
| 70) Xylene P,M | 10.53 | 106 | 4437051 | 54.00 | ug/l | 98 |
| 71) Xylene O | 11.14 | 106 | 2134468 | 26.68 | ug/l | 97 |
| 72) Styrene | 11.16 | 104 | 3763389 | 27.29 | ug/l | 100 |
| 73) Bromoform | 11.44 | 173 | 1100636 | 25.61 | ug/l | 100 |
| 77) Isopropylbenzene | 11.72 | 105 | 5058319 | 24.77 | ug/l | 100 |
| 78) Trans-1,4-Dichloro-2-Buten | 12.31 | 53 | 280656 | 24.01 | ug/l | # 50 |
| 79) 1,2,3-Trichloropropane | 12.28 | 75 | 1327231 | 25.25 | ug/l | 97 |
| 80) Bromobenzene | 12.18 | 156 | 1532118 | 27.18 | ug/l | 98 |
| 81) 1,1,2,2-Tetrachloroethane | 12.22 | 83 | 1541721 | 25.23 | ug/l | 97 |
| 82) n-Propylbenzene | 12.38 | 91 | 6003968 | 25.82 | ug/l | 99 |
| 83) 2-Chlorotoluene | 12.50 | 91 | 4340031 | 26.73 | ug/l | m 99 |
| 84) 4-Chlorotoluene | 12.68 | 91 | 4510117 | 25.71 | ug/l | 98 |
| 85) 1,3,5-Trimethylbenzene | 12.67 | 105 | 4105552 | 26.40 | ug/l | 98 |
| 86) tert-Butylbenzene | 13.19 | 119 | 4802517 | 26.47 | ug/l | 98 |

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

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041661.D Vial: 9
 Acq On : 8 Aug 106 2:42 pm Operator: RES
 Sample : BPH0094-SCV1 Inst : VOA MASS
 Misc : Multiplr: 1.00
 Quant Time: Aug 9 8:35 19106

Method : C:\HPCHEM\1\METHODS\HI080806.M
 Title : Element ID: 0607032
 Last Update : Wed Aug 09 08:32:39 2006
 Response via : Multiple Level Calibration

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|-------|------|--------|
| 87) Pentachloroethane | 13.19 | 119 | 4802517 | 26.47 | ug/l | 93 |
| 88) 1,2,4-Trimethylbenzene | 13.28 | 105 | 4211397 | 26.45 | ug/l | 99 |
| 89) sec-Butylbenzene | 13.55 | 105 | 5063170 | 25.82 | ug/l | 99 |
| 90) 1,3 Dichlorobenzene | 13.71 | 146 | 2304346 | 25.41 | ug/l | 99 |
| 91) 4-Isopropyltoluene | 13.80 | 119 | 3761384 | 25.78 | ug/l | 99 |
| 92) 1,4 Dichlorobenzene | 13.86 | 146 | 2448635 | 25.36 | ug/l | 99 |
| 93) n-Butylbenzene | 14.45 | 91 | 3333767 | 25.59 | ug/l | 99 |
| 94) 1,2 Dichlorobenzene | 14.44 | 146 | 2048926 | 26.05 | ug/l | 99 |
| 95) Hexachloroethane | 14.77 | 117 | 975536 | 26.55 | ug/l | 97 |
| 96) 1,2-Dibromo-3-Chloropropan | 15.44 | 75 | 191821 | 28.01 | ug/l | 94 |
| 97) 1,2,4-Trichlorobenzene | 16.26 | 180 | 1002343 | 26.32 | ug/l | 99 |
| 98) Hexachlorobutadiene | 16.44 | 225 | 618204 | 28.70 | ug/l | 96 |
| 99) Naphthalene | 16.51 | 128 | 1395386 | 27.96 | ug/l | 100 |
| 100) 1,2,3-Trichlorobenzene | 16.75 | 180 | 707573 | 27.82 | ug/l | 99 |

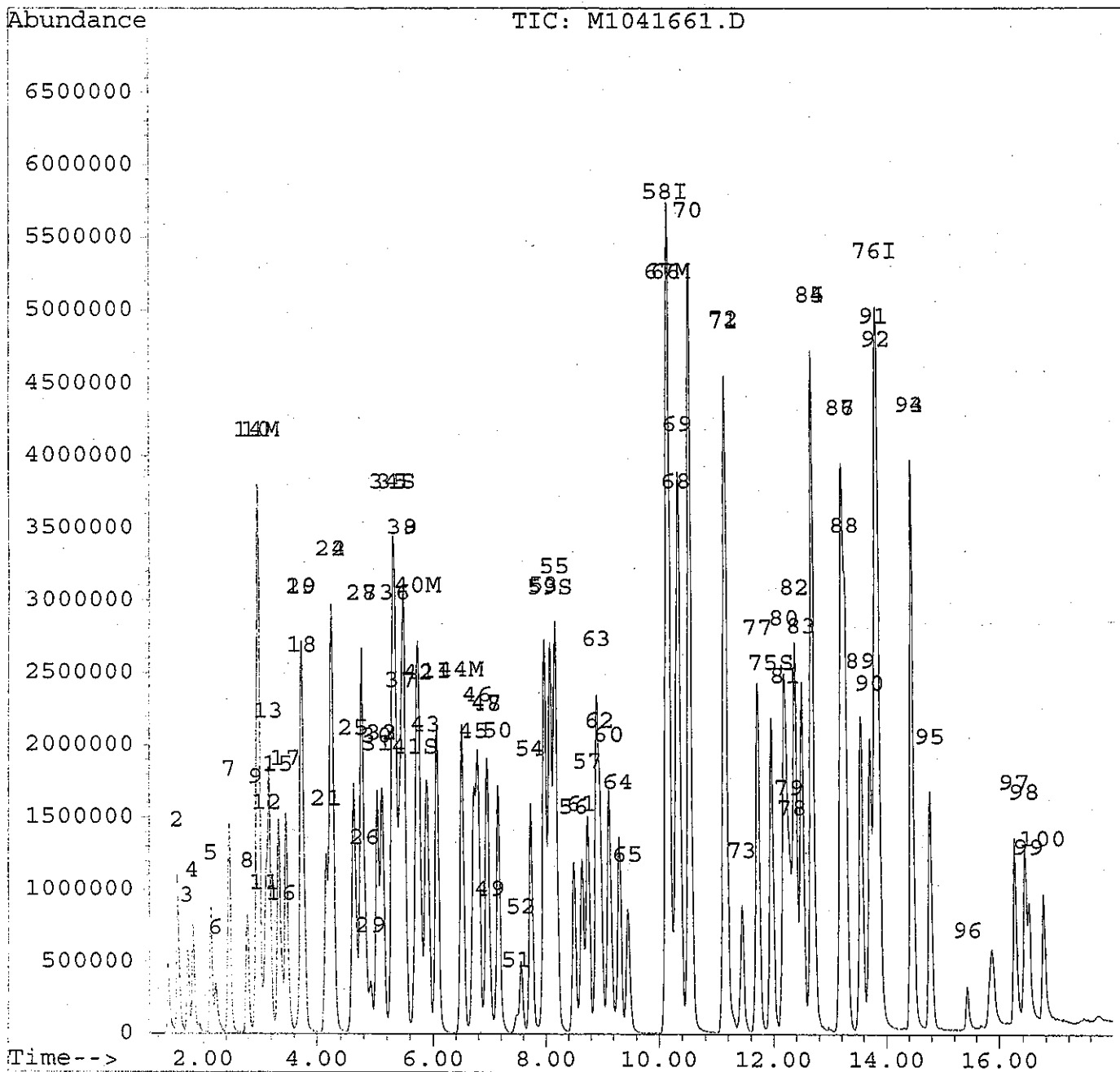
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041661.D
Acq On : 8 Aug 106 2:42 pm
Sample : BPH0094-SCV1
Misc :
Quant Time: Aug 9 8:35 19106

Vial: 9
Operator: RES
Inst : VOA MASS
Multiplr: 1.00

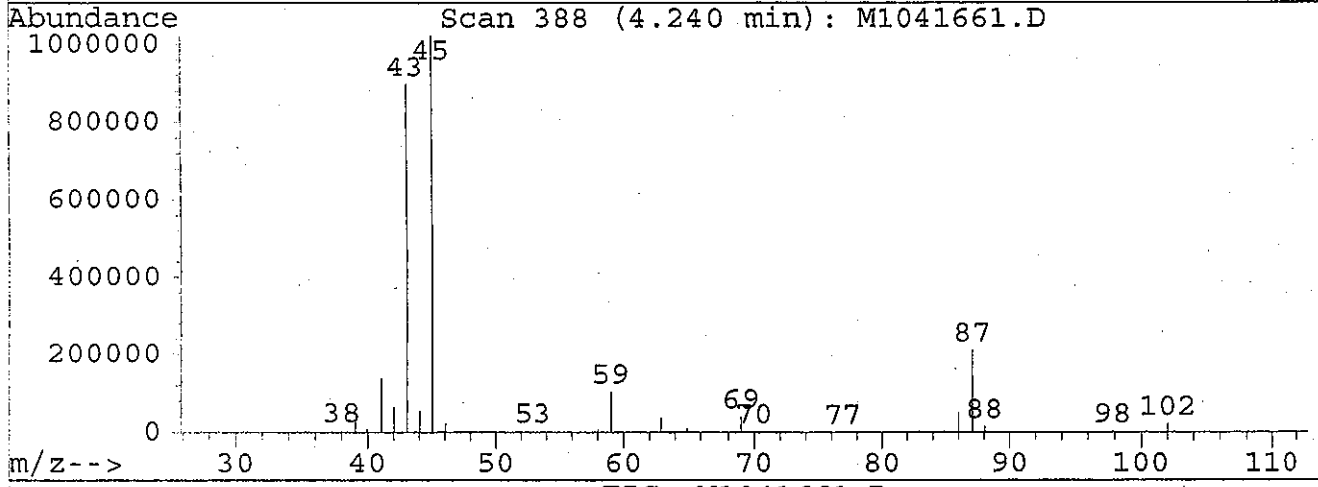
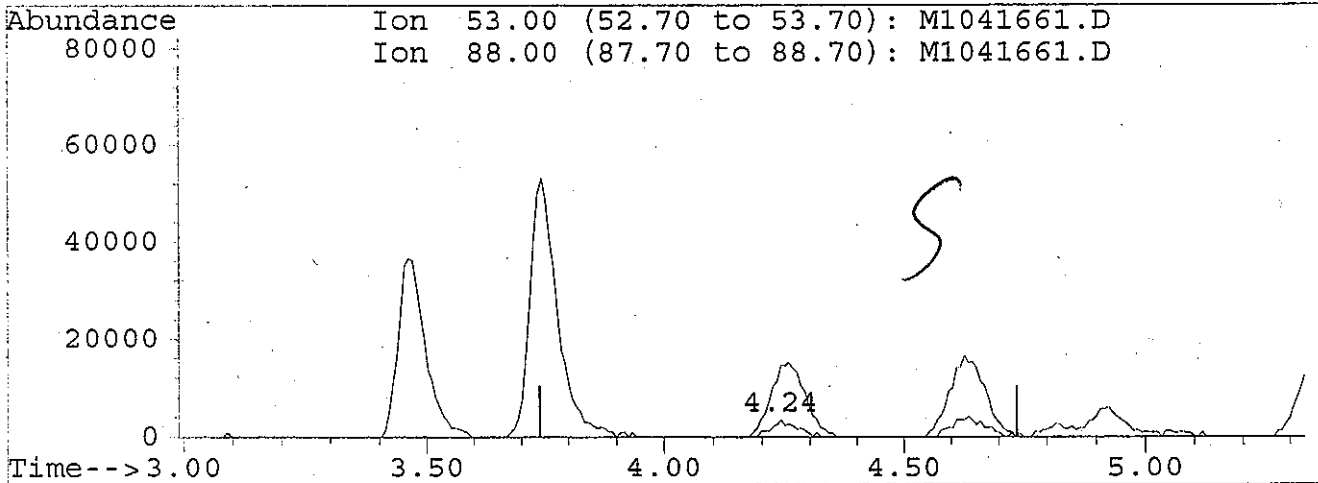
Method : C:\HPCHEM\1\METHODS\HI080806.M
Title : Element ID: 0607032
Last Update : Wed Aug 09 08:32:39 2006
Response via : Multiple Level Calibration



Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041661.D Vial: 9
 Acq On : 8 Aug 106 2:42 pm Operator: RES
 Sample : BPH0094-SCV1 Inst : VOA MASS
 Misc : Multiplr: 1.00
 Quant Time: Aug 9 8:33 19106

Method : C:\HPCHEM\1\METHODS\HI080806.M
 Title : Element ID: 0607032
 Last Update : Wed Aug 09 08:32:39 2006
 Response via : Multiple Level Calibration



TIC: M1041661.D

(23) Chloroprene

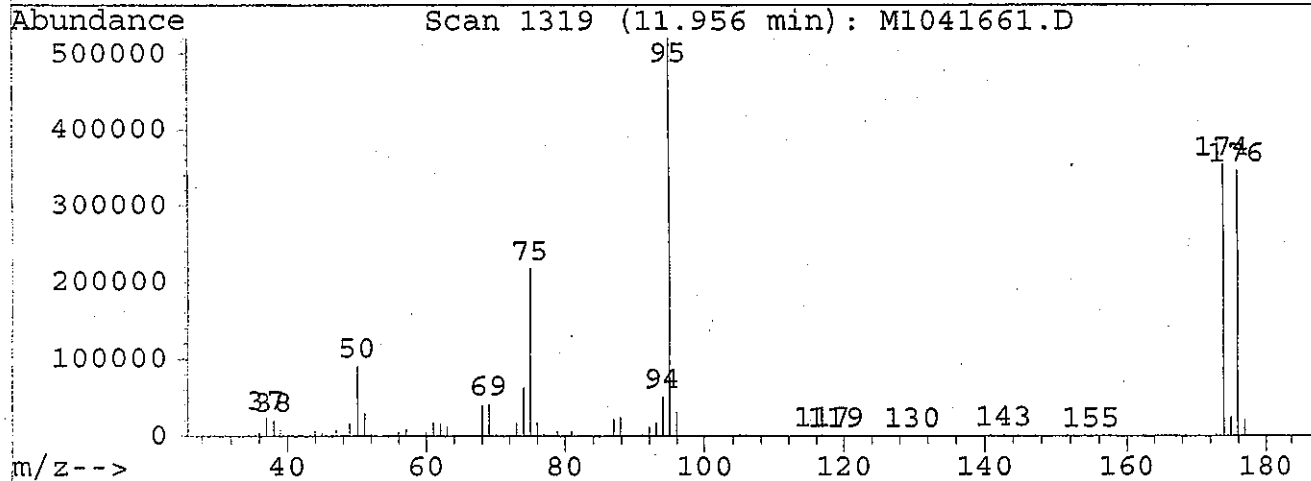
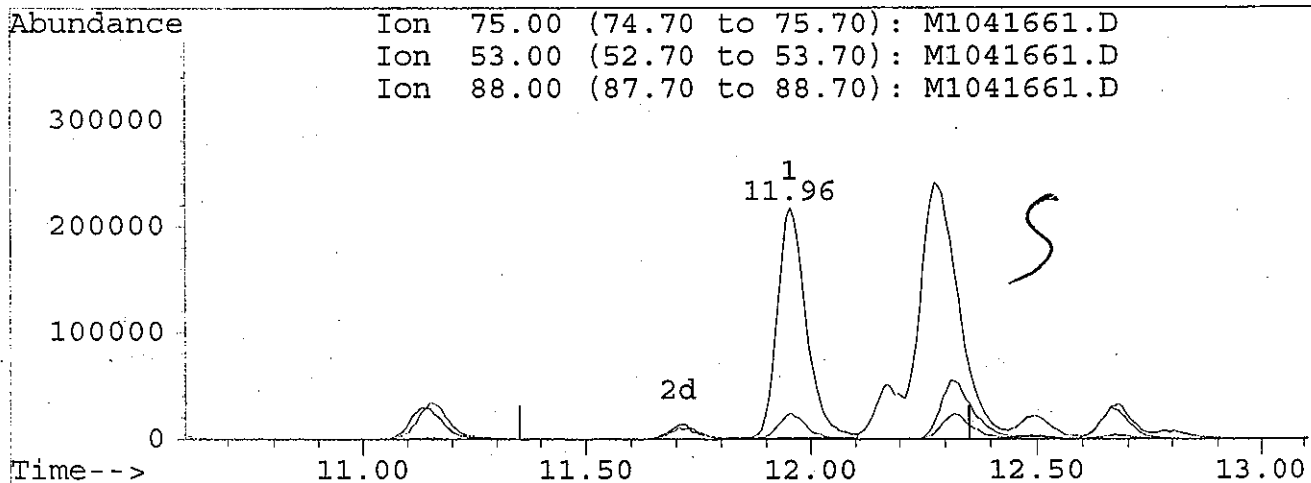
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|----------|----------|---------|
| 4.24min | 0.19ug/l | |
| response | 12586 | |
| Ion | Exp% | Act% |
| 53.00 | 100 | 100 |
| 88.00 | 57.80 | 422.39# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041661.D
 Acq On : 8 Aug 106 2:42 pm
 Sample : BPH0094-SCV1
 Misc :
 Quant Time: Aug 9 8:34 19106

Vial: 9
 Operator: RES
 Inst : VOA MASS
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\HI080806.M
 Title : Element ID: 0607032
 Last Update : Wed Aug 09 08:32:39 2006
 Response via : Multiple Level Calibration



TIC: M1041661.D

(74) cis1,4-Dichloro-2-butene
 11.96min 101.85ug/l
 response 978379

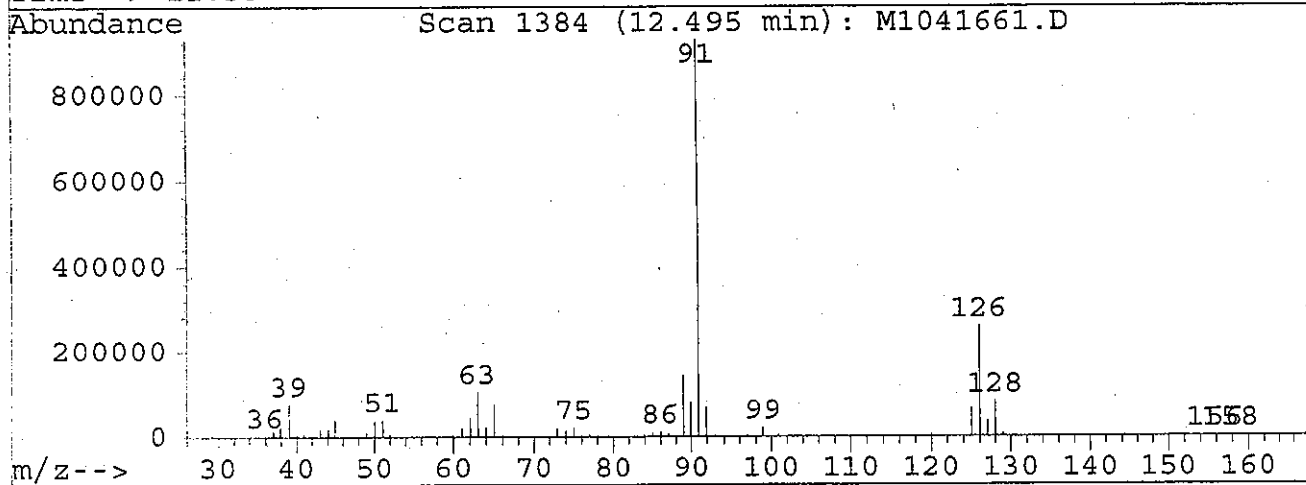
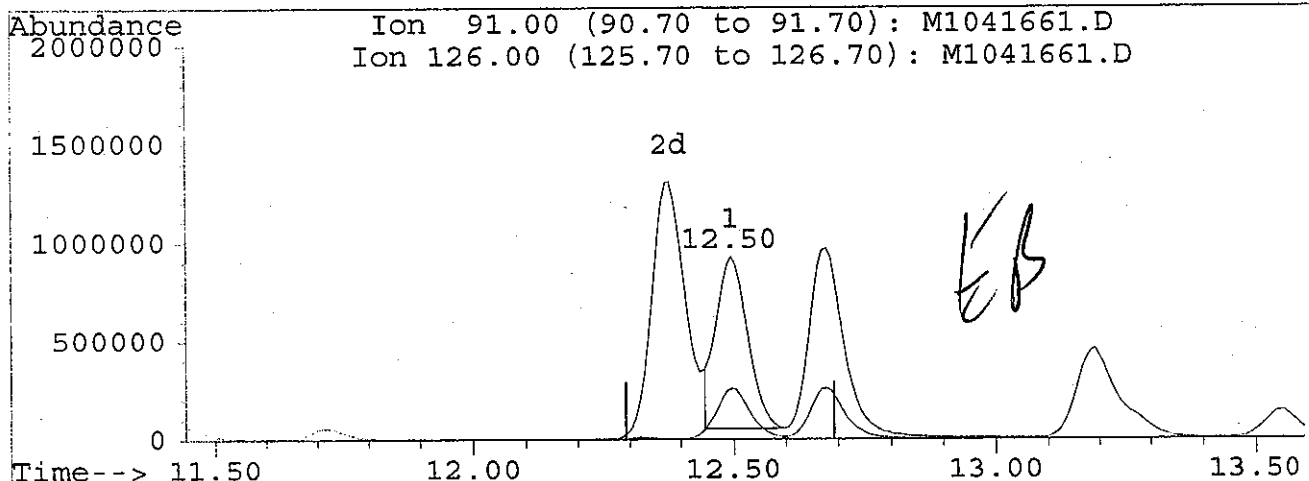
| Ion | Exp% | Act% |
|-------|-------|--------|
| 75.00 | 100 | 100 |
| 53.00 | 86.10 | 0.00# |
| 88.00 | 76.80 | 11.37# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041661.D
 Acq On : 8 Aug 106 2:42 pm
 Sample : BPH0094-SCV1
 Misc :
 Quant Time: Aug 9 8:35 19106

Vial: 9
 Operator: RES
 Inst : VOA MASS
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\HI080806.M
 Title : Element ID: 0607032
 Last Update : Wed Aug 09 08:32:39 2006
 Response via : Multiple Level Calibration



TIC: M1041661.D

(83) 2-Chlorotoluene

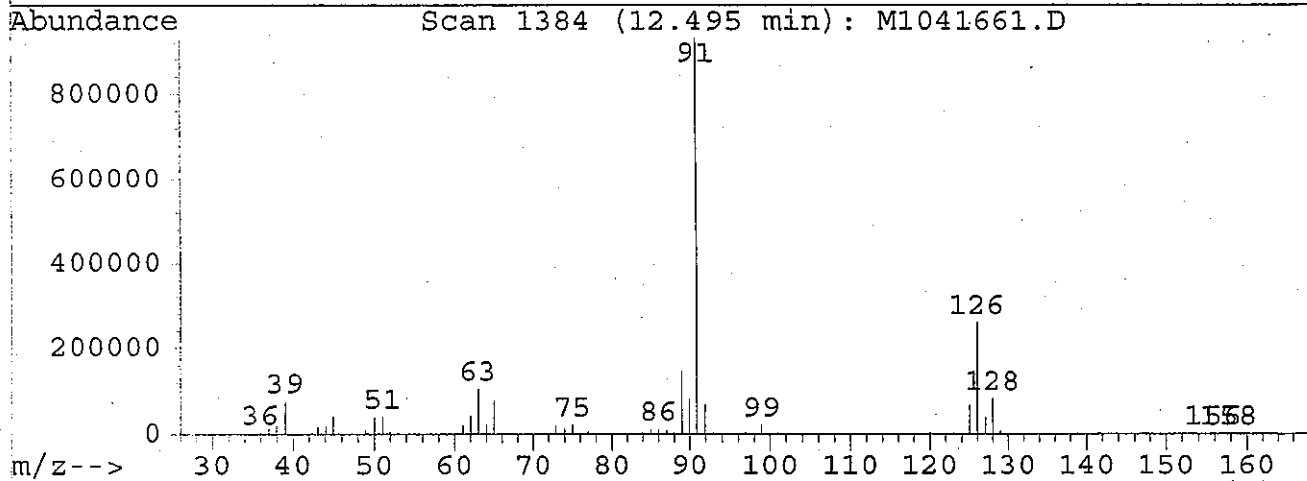
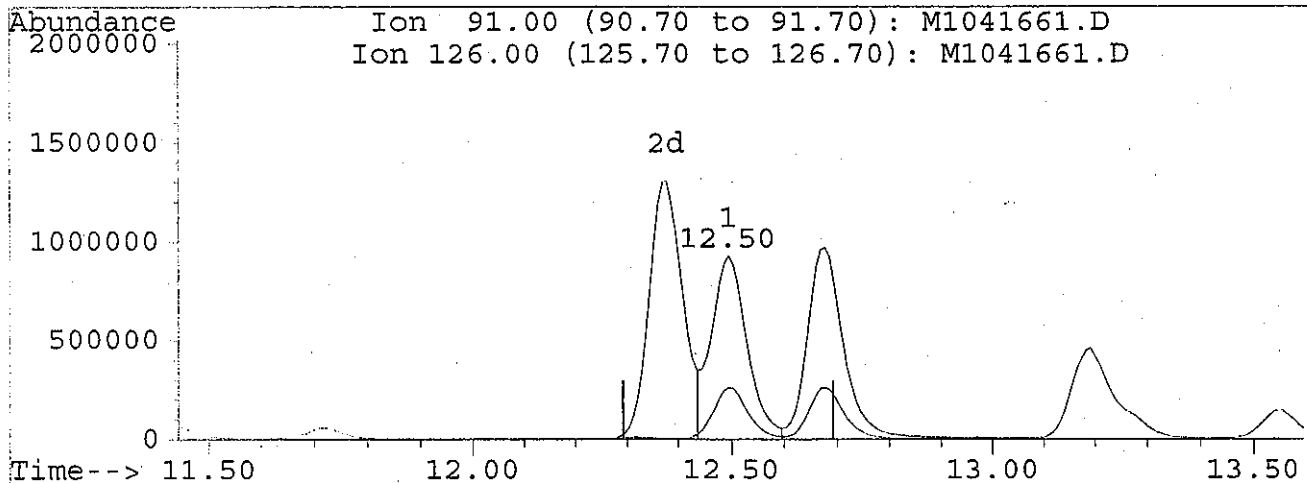
| | | |
|----------|-----------|-------|
| 12.50min | 22.69ug/l | |
| response | 3684612 | |
| Ion | Exp% | Act% |
| 91.00 | 100 | 100 |
| 126.00 | 27.40 | 27.84 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\VOA\MS1_MA\MA0806\MA080806\M1041661.D
 Acq On : 8 Aug 106 2:42 pm
 Sample : BPH0094-SCV1
 Misc :
 Quant Time: Aug 9 8:35 19106

Vial: 9
 Operator: RES
 Inst : VOA MASS
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\HI080806.M
 Title : Element ID: 0607032
 Last Update : Wed Aug 09 08:32:39 2006
 Response via : Multiple Level Calibration



TIC: M1041661.D

(83) 2-Chlorotoluene

| | | |
|----------|-------------|-------|
| 12.50min | 26.73ug/l m | |
| response | 4340031 | |
| Ion | Exp% | Act% |
| 91.00 | 100 | 100 |
| 126.00 | 27.40 | 27.84 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Volatile Organics Logbooks

PREPARATION BATCH SUMMARY

8260B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Batch: BH61428 Batch Matrix: Solid

Preparation: 5035

| SAMPLE NAME | LAB SAMPLE ID | LAB FILE ID | DATE PREPARED | OBSERVATIONS |
|-------------|---------------|-------------|----------------|--|
| Vertex Fill | 0608248-11 | M1041775.D | 08/14/06 15:00 | Data Package |
| Blank | BH61428-BLK1 | M1041770.D | 08/14/06 15:00 | |
| LCS | BH61428-BS1 | M1041766.D | 08/14/06 15:00 | |
| LCS Dup | BH61428-BSD1 | M1041767.D | 08/14/06 15:00 | |
| Vertex Fill | BH61428-MS1 | M1041781.D | 08/14/06 15:00 | [Spk] 29.8g->15ml; 0.1ml->10ml; Spiked 10ml |
| Vertex Fill | BH61428-MSD1 | M1041782.D | 08/14/06 15:00 | [Spk] 29.8g->15ml; 0.1ml->10ml; Spiked 10ml |

| BATCH DATE | VIAL # | FILE # | LAB ID | METHOD | COMMENTS / DILUTION / STANDARD ID | ANALYST |
|------------|--------|-----------------|-----------------|---------|-----------------------------------|-------------|
| 8/14/06 | 29 | M1 62 M1 306 | TD | H080806 | | MS |
| | 30 | M1 63 | TD | | | |
| | 31 | M1 64 | BH1148 - 12A | | BH14056 | |
| | 32 | M1 65 | BH10148 - CUV1 | | BH14057 | |
| | 33 | M1 66 | BH1428 - D21 | | BH14058 | |
| | 34 | M1 67 | BH161428 - B591 | | BH14058 | |
| | 35 | M1 68 | TD | | | |
| | 36 | M1 69 | TD | | | |
| | 37 | M1 70 | BH1428 - B161 | | | |
| | 38 | M1 71 | 6608117 - 01 | | 1/10 preserved in 12 | |
| | 39 | M1 72 | 6608117 - 02 | | 3.8/30 | |
| | 40 | M1 73 | 6608120 - 02 | | 10.4/16 preserved in 12 | |
| | 41 | M1 74 | TD | | | |
| 8/14/06 | 42 | M1 75 M1 76 | 6608248 - 11 | H080806 | 29.8/15 1000 | P5002 MS |

Surrogate: 6/6/1956
On-column IS: 6/27049

Run Sequence Confirmation

MS

ESS LABORATORY MS-1 RUN LOG

| BATCH DATE | VIAL # | FILE # | LAB ID | METHOD | COMMENTS / DILUTION / STANDARD ID | ANALYST |
|------------|--------|-----------|------------|---------|-----------------------------------|---------|
| 8/14/06 | 43 | M1 044880 | 7B | H208086 | /100X | MS |
| | 44 | M1 77 | 0608214-07 | | 21.7/18 01900 | |
| | 45 | M1 78 | -12 | | 21.4/18 01921 | |
| | 46 | M1 79 | -03 | | 23.6/18 01924 | |
| | 47 | M1 80 | 0608214-04 | | 32.9/18 608 01910 | |
| | 48 | M1 81 | 0608214-05 | | 100µL/100µL 608 248-1/ | |
| | 49 | M1 82 | 0608214-06 | | 100µL/100µL 608 248-1/ | |
| 8/14/06 | 1 | M1 83 | 0608214-07 | H208086 | 6H15000 | MS |
| 8/16/06 | 2 | M1 84 | 0608214-08 | | 6H15001 | |
| | 3 | M1 85 | 0608214-09 | | 6H15002 | |
| | 4 | M1 86 | 0608214-10 | | 6H15002 | |
| | 5 | M1 87 | Test 01K | | | |
| | 6 | M1 88 | Test 01K | | | |
| 8/16/06 | 7 | M1 89 | 0608214-11 | H208086 | | MS |

Run Sequence Confirmation

Surrogate: 6619056

On-column IS: 627048

8/16/06

ESS LABORATORY MS-1 RUN LOG

| BATCH DATE | VIAL # | FILE # | LAB ID | METHOD | COMMENTS / DILUTION / STANDARD ID | ANALYST |
|------------|--------|----------|----------------|---------|-----------------------------------|---------|
| 8/2/06 | 7 | M1041648 | BH60711 - 01K1 | H072006 | 100x | MS |
| | 8 | M1 | 0608097-01 | | 20.6/5 | |
| | 9 | M1 | 0608095-06 | | 20.9/5 | |
| | 10 | M1 | BH60711 705-1 | | 100x/100ml | |
| 9/7/06 | 11 | M1 | BH60711 - 0101 | H072006 | 0608095-06 | |
| 9/6/06 | 1 | M1 | BPH0094 Fun | H072006 | 100x/100ml | MS |
| | 2 | M1 | -CAL1 | | 6H08036 | MS |
| | 3 | M1 | -CAL2 | | 6H08037 | |
| | 4 | M1 | -CAL3 | | 6H08038 | |
| | 5 | M1 | -CAL4 | | 6H08039 | |
| | 6 | M1 | -CAL5 | | 6H08040 | |
| | 7 | M1 | BPH0094 -CAL6 | | 6H08041 | |
| | 8 | M1 | TS | H072006 | 6H08042 | |
| 8/8/06 | 9 | M1 | BPH0094 -CAL7 | H072006 | 6H08043 | MS |

Run Sequence Confirmation

Surrogate: 6619055

On-column IS: 6627048

MS 8/9/06

HOLDING TIME SUMMARY

8260B

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

| Sample Name | Date Collected | Date Received | Date Prepared | Days to Prep | Max Days to Prep | Date Analyzed | Days to Analysis | Max Days to Analysis | Q |
|-------------|-------------------|-------------------|-------------------|--------------|------------------|-------------------|------------------|----------------------|---|
| Vertex Fill | 08/14/06 14:00 | 08/14/06 14:15 | 08/14/06 15:00 | 0.04 | 14.00 | 08/15/06 01:25 | 0.48 | 14.00 | |

TPH Data Package

TPH Sample Data

ESS Laboratory

SDG: 0608248

CLASS: SVOA

METHOD: 8100M

ANALYSES DATA PACKAGE COVER PAGE

8100M

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Client Sample Id:

SS-SI70 B1

SS-SI77 B1

Vertex Fill

Lab Sample Id:

0608248-09

0608248-10

0608248-11

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures.

Signature: _____

Name: _____

Date: _____

Title: _____

METHOD DETECTION AND REPORTING LIMITS

8100M

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Solid

Instrument: SVOAGC2

| Analyte | MDL | MRL | Units |
|------------------------------|------|------|-------|
| Total Petroleum Hydrocarbons | 2.00 | 25.0 | mg/kg |

ORGANIC ANALYSIS DATA SHEET

8100M

SS-SI70 B1

| | | | |
|-------------|--|----------------|-------------------------------|
| Laboratory: | <u>ESS Laboratory</u> | SDG: | <u>0608248</u> |
| Client: | <u>MACTEC Engineering & Consulting, Inc.</u> | Project: | <u>Providence Gorham Site</u> |
| Matrix: | <u>Soil</u> | Laboratory ID: | <u>0608248-09</u> |
| | | File ID: | <u>002F0101.D</u> |
| Sampled: | <u>08/14/06 13:30</u> | Prepared: | <u>08/14/06 15:30</u> |
| | | Analyzed: | <u>08/15/06 06:37</u> |
| Solids: | <u>93.00</u> | Preparation: | <u>3541</u> |
| | | Initial/Final: | <u>20.8 g / 1 ml</u> |
| Batch: | <u>BH61404</u> | Sequence: | <u>BPH0162</u> |
| | | Calibration: | <u>0608026</u> |
| | | Instrument: | <u>SVOAGC2</u> |

| CAS NO. | COMPOUND | DILUTION | CONC. (mg/kg dry) | Q |
|---------|------------------------------|----------|-------------------|---|
| TPH | Total Petroleum Hydrocarbons | 1 | 38.8 | U |

| SYSTEM MONITORING COMPOUND | ADDED (mg/kg dry) | CONC (mg/kg dry) | % REC | QC LIMITS | Q |
|----------------------------|-------------------|------------------|-------|-----------|---|
| O-Terphenyl | 5.17 | 3.66 | 71 | 40 - 140 | Q |

* Values outside of QC limits

Quantitation Report

Data File : Q:\SVOA\TPH_GC2\DATA\081506\002F0101.D
 Acq On : 15 Aug 06 06:37 AM
 Sample : 0608248-09
 Misc :
 Quant Time: Aug 15 10:28 19106

Vial: 2
 Operator: [GC]A.MS
 Inst : GC2
 Multiplr: 1.00

Method : Q:\SVOA\TPH_GC2\METHODS\8100FCN.M
 Title : ELEMENT ID: 0502008
 Last Update : Mon Aug 07 17:40:00 2006
 Response via : Multiple Level Calibration

Volume Inj. : 1 ul
 Signal Phase : RTX-5MS
 Signal Info : 0.25

| Compound | R.T. | Response | Conc Units |
|-----------------------------|-------|------------|-------------|
| System Monitoring Compounds | | | |
| 1) S O-Terphenyl | 15.14 | 1323541 | 70.852 ppm |
| | | Recovery = | 70.85% |
| Target Compounds | | | |
| 2) H C9-C36 | 15.17 | 5518384 | 117.537 ppm |

*JGC
8/15/06*

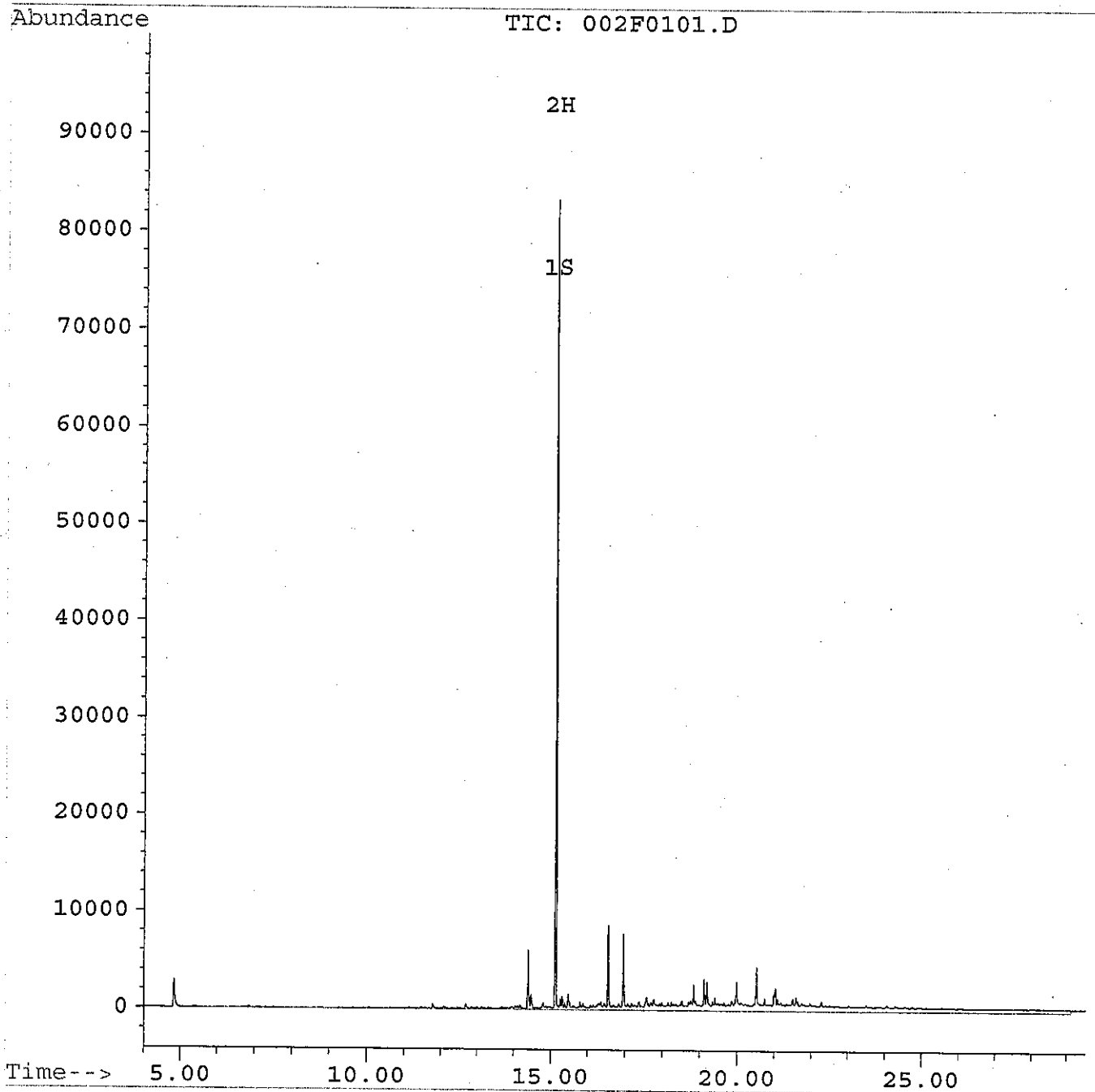
Quantitation Report

Data File : Q:\SVOA\TPH_GC2\DATA\081506\002F0101.D
Acq On : 15 Aug 06 06:37 AM
Sample : 0608248-09
Misc :
Quant Time: Aug 15 10:28 19106

Vial: 2
Operator: [GC]A.MS
Inst : GC2
Multiplr: 1.00

Method : Q:\SVOA\TPH_GC2\METHODS\8100FCN.M
Title : ELEMENT ID: 0502008
Last Update : Mon Aug 07 17:40:00 2006
Response via : Multiple Level Calibration

Volume Inj. : 1 ul
Signal Phase : RTX-5MS
Signal Info : 0.25



ORGANIC ANALYSIS DATA SHEET

8100M

| |
|------------|
| SS-SI77 B1 |
|------------|

| | | | |
|-------------|--|----------------|-------------------------------|
| Laboratory: | <u>ESS Laboratory</u> | SDG: | <u>0608248</u> |
| Client: | <u>MACTEC Engineering & Consulting, Inc.</u> | Project: | <u>Providence Gorham Site</u> |
| Matrix: | <u>Soil</u> | Laboratory ID: | <u>0608248-10</u> |
| | | File ID: | <u>004F0101.D</u> |
| Sampled: | <u>08/14/06 13:40</u> | Prepared: | <u>08/14/06 15:30</u> |
| | | Analyzed: | <u>08/15/06 07:43</u> |
| Solids: | <u>94.00</u> | Preparation: | <u>3541</u> |
| | | Initial/Final: | <u>19.8 g / 1 ml</u> |
| Batch: | <u>BH61404</u> | Sequence: | <u>BPH0162</u> |
| | | Calibration: | <u>0608026</u> |
| | | Instrument: | <u>SVOAGC2</u> |

| CAS NO. | COMPOUND | DILUTION | CONC. (mg/kg dry) | Q |
|---------|------------------------------|----------|-------------------|---|
| TPH | Total Petroleum Hydrocarbons | 1 | 57.5 | |

| SYSTEM MONITORING COMPOUND | ADDED (mg/kg dry) | CONC (mg/kg dry) | % REC | QC LIMITS | Q |
|----------------------------|-------------------|------------------|-------|-----------|---|
| O-Terphenyl | 5.37 | 3.78 | 70 | 40 - 140 | |

* Values outside of QC limits

Quantitation Report

Data File : Q:\SVOA\TPH_GC2\DATA\081506\004F0101.D
 Acq On : 15 Aug 06 07:43 AM
 Sample : 0608248-10
 Misc :
 Quant Time: Aug 15 10:29 19106

Vial: 4
 Operator: [GC]A.MS
 Inst : GC2
 Multiplr: 1.00

Method : Q:\SVOA\TPH_GC2\METHODS\8100FCN.M
 Title : ELEMENT ID: 0502008
 Last Update : Mon Aug 07 17:40:00 2006
 Response via : Multiple Level Calibration

Volume Inj. : 1 ul
 Signal Phase : RTX-5MS
 Signal Info : 0.25

| Compound | R.T. | Response | Conc Units |
|-----------------------------|-------|------------|--------------|
| System Monitoring Compounds | | | |
| 1) S O-Terphenyl | 15.13 | 1314935 | 70.355 ppm |
| | | Recovery = | 70.36% |
| Target Compounds | | | |
| 2) H C9-C36 | 15.17 | 19519968 | 1070.184 ppm |

JTS
8/15/06

(f)=RT Delta > 1/2 Window

(m)=manual int.

004F0101.D 8100FCN.M

Tue Aug 15 10:29:14 2006

GC5

Page 1

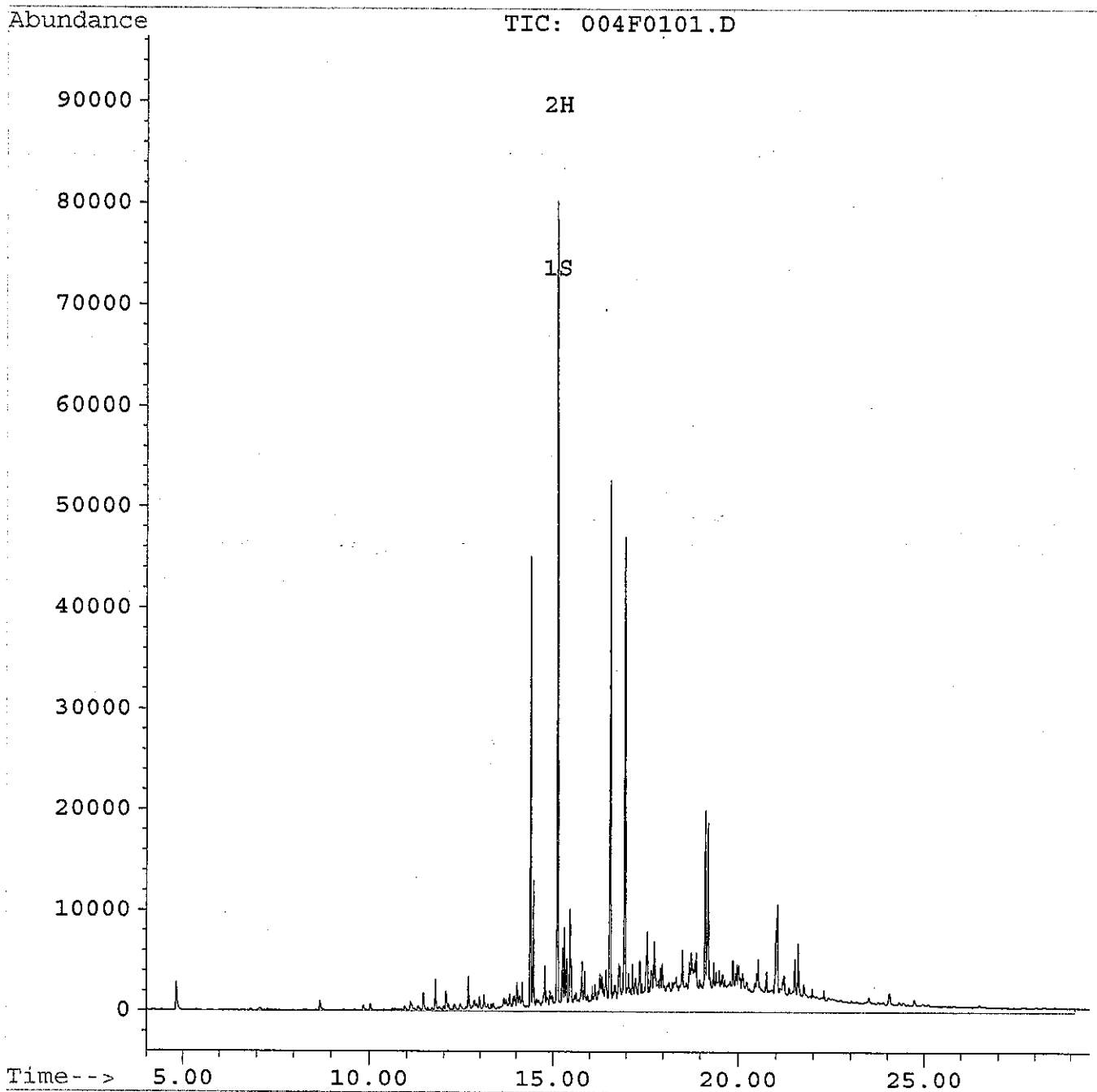
Quantitation Report

Data File : Q:\SVOA\TPH_GC2\DATA\081506\004F0101.D
Acq On : 15 Aug 06 07:43 AM
Sample : 0608248-10
Misc :
Quant Time: Aug 15 10:29 19106

Vial: 4
Operator: [GC]A.MS
Inst : GC2
Multiplr: 1.00

Method : Q:\SVOA\TPH_GC2\METHODS\8100FCN.M
Title : ELEMENT ID: 0502008
Last Update : Mon Aug 07 17:40:00 2006
Response via : Multiple Level Calibration

Volume Inj. : 1 ul
Signal Phase : RTX-5MS
Signal Info : 0.25



ORGANIC ANALYSIS DATA SHEET

8100M

Vertex Fill

| | | | |
|-------------|--|----------------|-------------------------------|
| Laboratory: | <u>ESS Laboratory</u> | SDG: | <u>0608248</u> |
| Client: | <u>MACTEC Engineering & Consulting, Inc.</u> | Project: | <u>Providence Gorham Site</u> |
| Matrix: | <u>Soil</u> | Laboratory ID: | <u>0608248-11</u> |
| | | File ID: | <u>003F0101.D</u> |
| Sampled: | <u>08/14/06 14:00</u> | Prepared: | <u>08/14/06 15:30</u> |
| | | Analyzed: | <u>08/15/06 07:08</u> |
| Solids: | <u>99.00</u> | Preparation: | <u>3541</u> |
| | | Initial/Final: | <u>19.8 g / 1 ml</u> |
| Batch: | <u>BH61404</u> | Sequence: | <u>BPH0162</u> |
| | | Calibration: | <u>0608026</u> |
| | | Instrument: | <u>SVOAGC2</u> |

| CAS NO. | COMPOUND | DILUTION | CONC. (mg/kg dry) | Q |
|---------|------------------------------|----------|-------------------|---|
| TPH | Total Petroleum Hydrocarbons | 1 | 38.3 | U |

| SYSTEM MONITORING COMPOUND | ADDED (mg/kg dry) | CONC (mg/kg dry) | % REC | QC LIMITS | Q |
|----------------------------|-------------------|------------------|-------|-----------|---|
| O-Terphenyl | 5.10 | 2.84 | 56 | 40 - 140 | |

* Values outside of QC limits

Quantitation Report

Data File : Q:\SVOA\TPH_GC2\DATA\081506\003F0101.D
Acq On : 15 Aug 06 07:08 AM
Sample : 0608248-11
Misc :
Quant Time: Aug 15 10:28 19106

Vial: 3
Operator: [GC]A.MS
Inst : GC2
Multiplr: 1.00

Method : Q:\SVOA\TPH_GC2\METHODS\8100FCN.M
Title : ELEMENT ID: 0502008
Last Update : Mon Aug 07 17:40:00 2006
Response via : Multiple Level Calibration

Volume Inj. : 1 ul
Signal Phase : RTX-5MS
Signal Info : 0.25

| Compound | R.T. | Response | Conc Units |
|-----------------------------|-------|------------|------------|
| ----- | | | |
| System Monitoring Compounds | | | |
| 1) S O-Terphenyl | 15.13 | 1062492 | 55.761 ppm |
| | | Recovery = | 55.76% |

Target Compounds

JCS
8/15/06

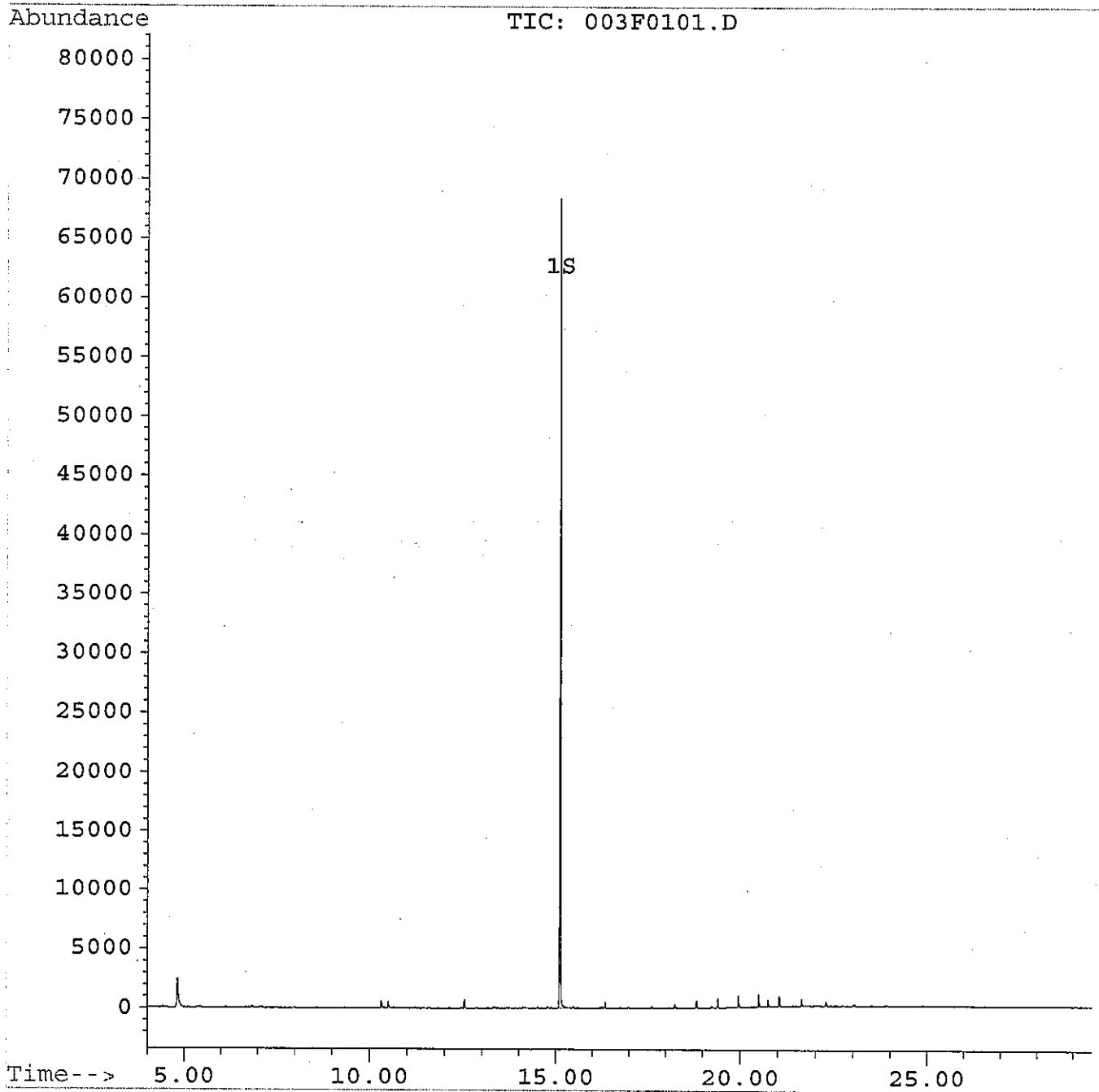
Quantitation Report

Data File : Q:\SVOA\TPH_GC2\DATA\081506\003F0101.D
Acq On : 15 Aug 06 07:08 AM
Sample : 0608248-11
Misc :
Quant Time: Aug 15 10:28 19106

Vial: 3
Operator: [GC]A.MS
Inst : GC2
Multiplr: 1.00

Method : Q:\SVOA\TPH_GC2\METHODS\8100FCN.M
Title : ELEMENT ID: 0502008
Last Update : Mon Aug 07 17:40:00 2006
Response via : Multiple Level Calibration

Volume Inj. : 1 ul
Signal Phase : RTX-5MS
Signal Info : 0.25



TPH
Quality Control Data

METHOD BLANK DATA SHEET

8100M

| | | | |
|-------------|--|----------------|-------------------------------|
| Laboratory: | <u>ESS Laboratory</u> | SDG: | <u>0608248</u> |
| Client: | <u>MACTEC Engineering & Consulting, Inc.</u> | Project: | <u>Providence Gorham Site</u> |
| Matrix: | <u>Solid</u> | Laboratory ID: | <u>BH61404-BLK1</u> |
| Prepared: | <u>08/14/06 06:30</u> | Preparation: | <u>3541</u> |
| Analyzed: | <u>08/14/06 15:12</u> | Instrument: | <u>SVOAGC2</u> |
| Batch: | <u>BH61404</u> | Sequence: | <u>BPH0160</u> |
| | | Calibration: | <u>0608026</u> |

| CAS NO. | COMPOUND | CONC. (mg/kg wet) | Q |
|---------|------------------------------|-------------------|---|
| TPH | Total Petroleum Hydrocarbons | 25.0 | J |

| SYSTEM MONITORING COMPOUND | ADDED (mg/kg wet) | CONC (mg/kg wet) | % REC | QC LIMITS | Q |
|----------------------------|-------------------|------------------|-------|-----------|---|
| O-Terphenyl | 3.33 | 2.66 | 80 | 40 - 140 | |

Quantitation Report

Data File : Q:\SVOA\TPH_GC2\DATA\081406\003F0101.D
 Acq On : 14 Aug 06 03:12 PM
 Sample : BH61404-BLK1
 Misc :
 Quant Time: Aug 15 5:49 19106

Vial: 3
 Operator: [GC]A.MS
 Inst : GC2
 Multiplr: 1.00

Method : Q:\SVOA\TPH_GC2\METHODS\8100FCN.M
 Title : ELEMENT ID: 0502008
 Last Update : Mon Aug 07 17:40:00 2006
 Response via : Multiple Level Calibration

Volume Inj. : 1 ul
 Signal Phase : RTX-5MS
 Signal Info : 0.25

| Compound | R.T. | Response | Conc Units |
|-----------------------------|-------|------------|-------------|
| System Monitoring Compounds | | | |
| 1) S O-Terphenyl | 15.14 | 1478913 | 79.834 ppm |
| | | Recovery = | 79.83% |
| Target Compounds | | | |
| 2) H C9-C36 | 15.17 | 5346709 | 105.857 ppm |
| 3) H C10-C28 | 15.17 | 3207588 | 92.958 ppm |

*JLS
8/15/06*

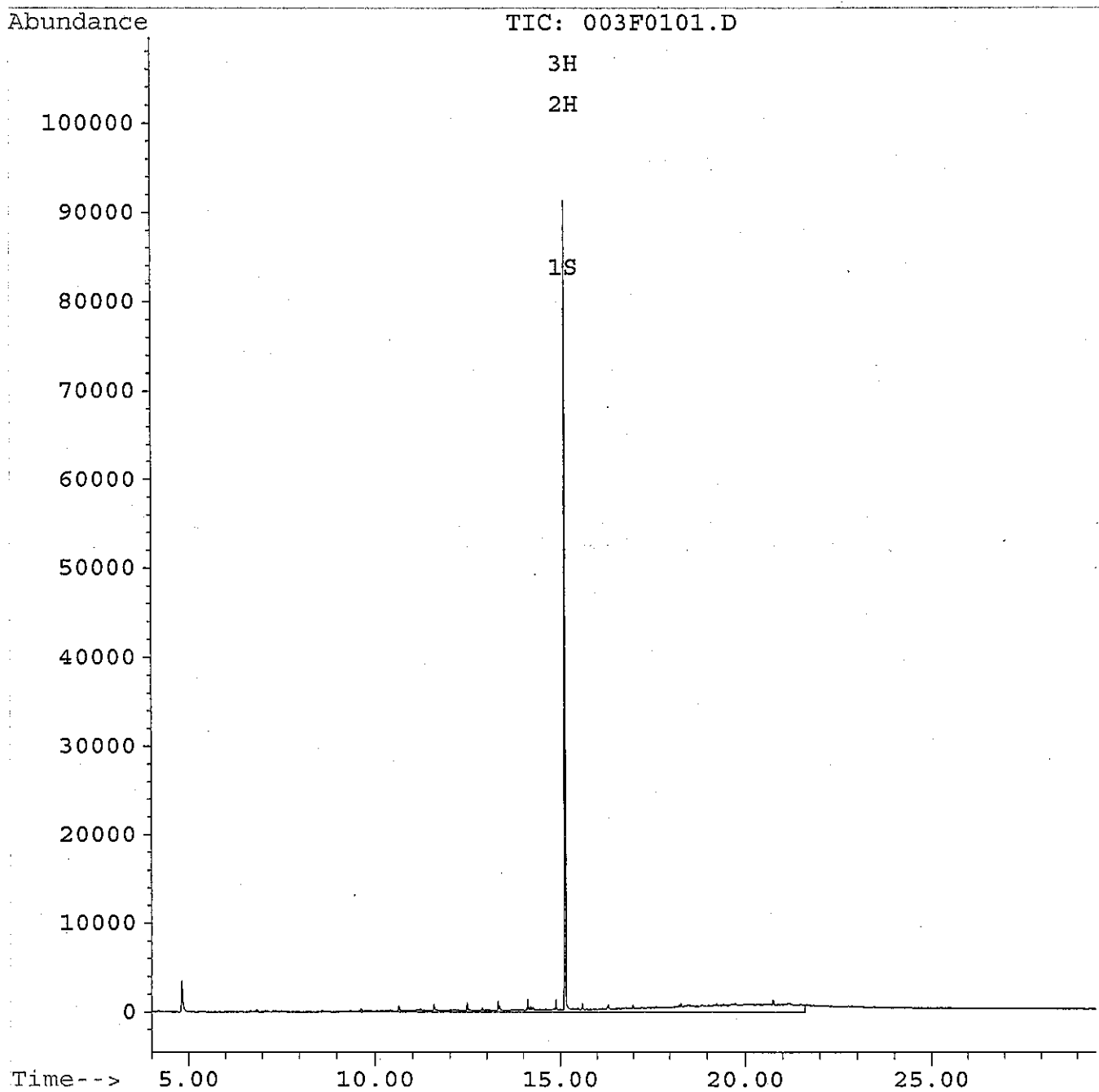
Quantitation Report

Data File : Q:\SVOA\TPH_GC2\DATA\081406\003F0101.D
Acq On : 14 Aug 06 03:12 PM
Sample : BH61404-BLK1
Misc :
Quant Time: Aug 15 5:49 19106

Vial: 3
Operator: [GC]A.MS
Inst : GC2
Multiplr: 1.00

Method : Q:\SVOA\TPH_GC2\METHODS\8100FCN.M
Title : ELEMENT ID: 0502008
Last Update : Mon Aug 07 17:40:00 2006
Response via : Multiple Level Calibration

Volume Inj. : 1 ul
Signal Phase : RTX-5MS
Signal Info : 0.25



LCS / LCS DUPLICATE RECOVERY

8100M

| | |
|--|--|
| Laboratory: <u>ESS Laboratory</u> | SDG: <u>0608248</u> |
| Client: <u>MACTEC Engineering & Consulting, Inc.</u> | Project: <u>Providence Gorham Site</u> |
| Matrix: <u>Solid</u> | |
| Batch: <u>BH61404</u> | Laboratory ID: <u>BH61404-BS1</u> |
| Preparation: <u>3541</u> | Initial/Final: <u>30 g / 1 ml</u> |

| COMPOUND | SPIKE ADDED (mg/kg wet) | LCS CONCENTRATION (mg/kg wet) | LCS % REC. # | QC LIMITS REC. |
|------------------------------|----------------------------|----------------------------------|-----------------|-------------------|
| Total Petroleum Hydrocarbons | 667 | 489 | 73 | 40 - 140 |

| COMPOUND | SPIKE ADDED (mg/kg wet) | LCSD CONCENTRATION (mg/kg wet) | LCSD % REC. # | % RPD # | QC LIMITS | |
|------------------------------|----------------------------|-----------------------------------|------------------|------------|-----------|----------|
| | | | | | RPD | REC. |
| Total Petroleum Hydrocarbons | 667 | 434 | 65 | 12 | 50 | 40 - 140 |

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Quantitation Report

Data File : Q:\SVOA\TPH_GC2\DATA\081406\004F0101.D
 Acq On : 14 Aug 06 03:43 PM
 Sample : BH61404-BS1
 Misc :
 Quant Time: Aug 15 5:50 19106

Vial: 4
 Operator: [GC]A.MS
 Inst : GC2
 Multiplr: 1.00

Method : Q:\SVOA\TPH_GC2\METHODS\8100FCN.M
 Title : ELEMENT ID: 0502008
 Last Update : Mon Aug 07 17:40:00 2006
 Response via : Multiple Level Calibration

Volume Inj. : 1 ul
 Signal Phase : RTX-5MS
 Signal Info : 0.25

| Compound | R.T. | Response | Conc Units |
|-----------------------------|-------|------------|---------------|
| ----- | | | |
| System Monitoring Compounds | | | |
| 1) S O-Terphenyl | 15.16 | 1533010 | 82.961 ppm m |
| | | Recovery = | 82.96% |
| Target Compounds | | | |
| 2) H C9-C36 | 15.17 | 219527534 | 14678.400 ppm |
| 3) H C10-C28 | 15.17 | 217889196 | 13494.815 ppm |

Handwritten: STS 8/15/06

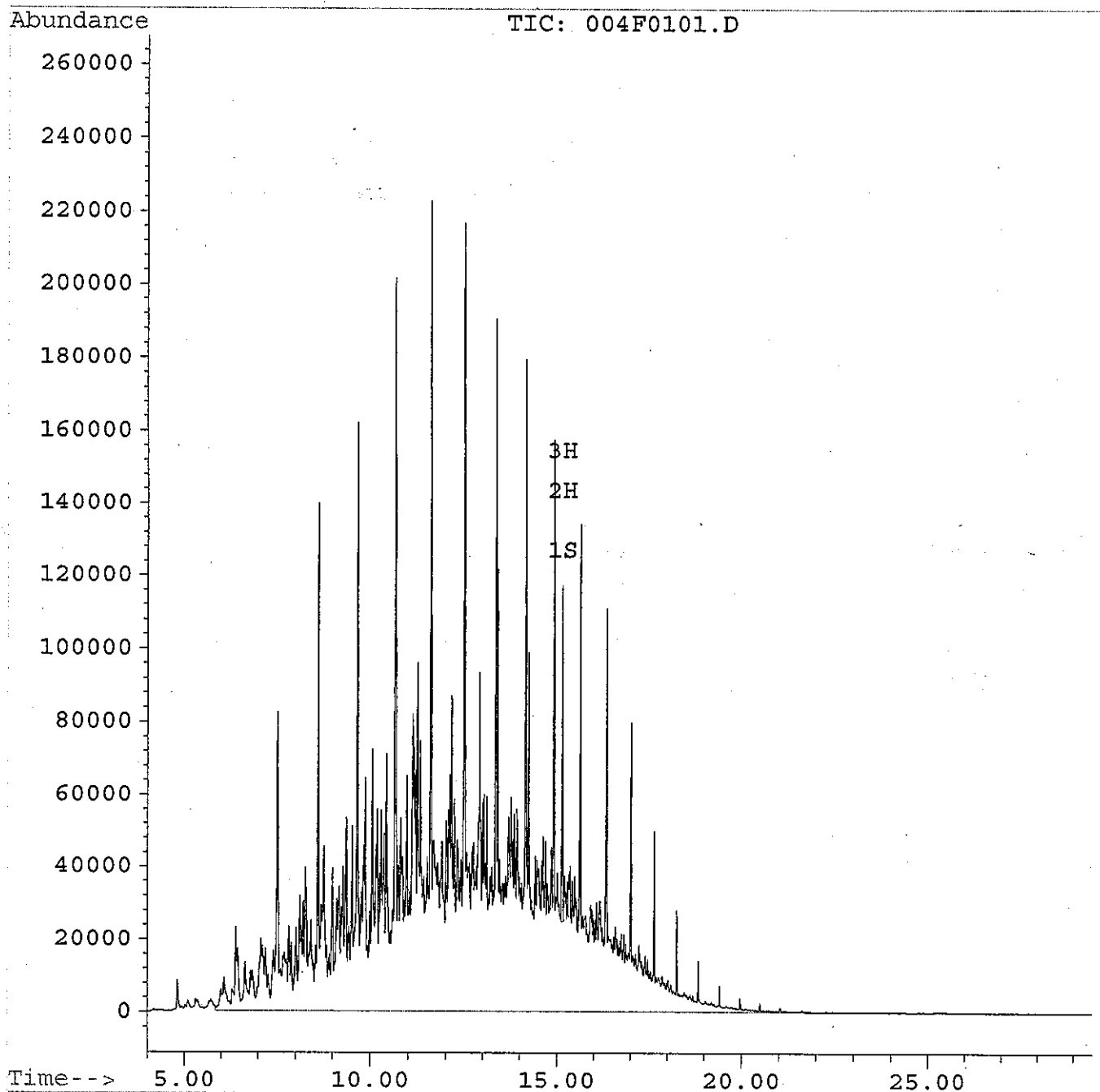
Quantitation Report

Data File : Q:\SVOA\TPH_GC2\DATA\081406\004F0101.D
Acq On : 14 Aug 06 03:43 PM
Sample : BH61404-BS1
Misc :
Quant Time: Aug 15 5:50 19106

Vial: 4
Operator: [GC]A.MS
Inst : GC2
Multiplr: 1.00

Method : Q:\SVOA\TPH_GC2\METHODS\8100FCN.M
Title : ELEMENT ID: 0502008
Last Update : Mon Aug 07 17:40:00 2006
Response via : Multiple Level Calibration

Volume Inj. : 1 ul
Signal Phase : RTX-5MS
Signal Info : 0.25



Quantitation Report

Data File : Q:\SVOA\TPH_GC2\DATA\081406\005F0101.D
 Acq On : 14 Aug 06 04:19 PM
 Sample : BH61404-BSD1
 Misc :
 Quant Time: Aug 15 5:50 19106

Vial: 5
 Operator: [GC]A.MS
 Inst : GC2
 Multiplr: 1.00

Method : Q:\SVOA\TPH_GC2\METHODS\8100FCN.M
 Title : ELEMENT ID: 0502008
 Last Update : Mon Aug 07 17:40:00 2006
 Response via : Multiple Level Calibration

Volume Inj. : 1 ul
 Signal Phase : RTX-5MS
 Signal Info : 0.25

| Compound | R.T. | Response | Conc Units |
|------------------------------------|-------|------------|---------------|
| System Monitoring Compounds | | | |
| 1) S O-Terphenyl | 15.15 | 1313322 | 70.261 ppm m |
| | | Recovery = | 70.26% |
| Target Compounds | | | |
| 2) H C9-C36 | 15.17 | 195132701 | 13018.612 ppm |
| 3) H C10-C28 | 15.17 | 194206162 | 12016.363 ppm |

JS 8/15/06

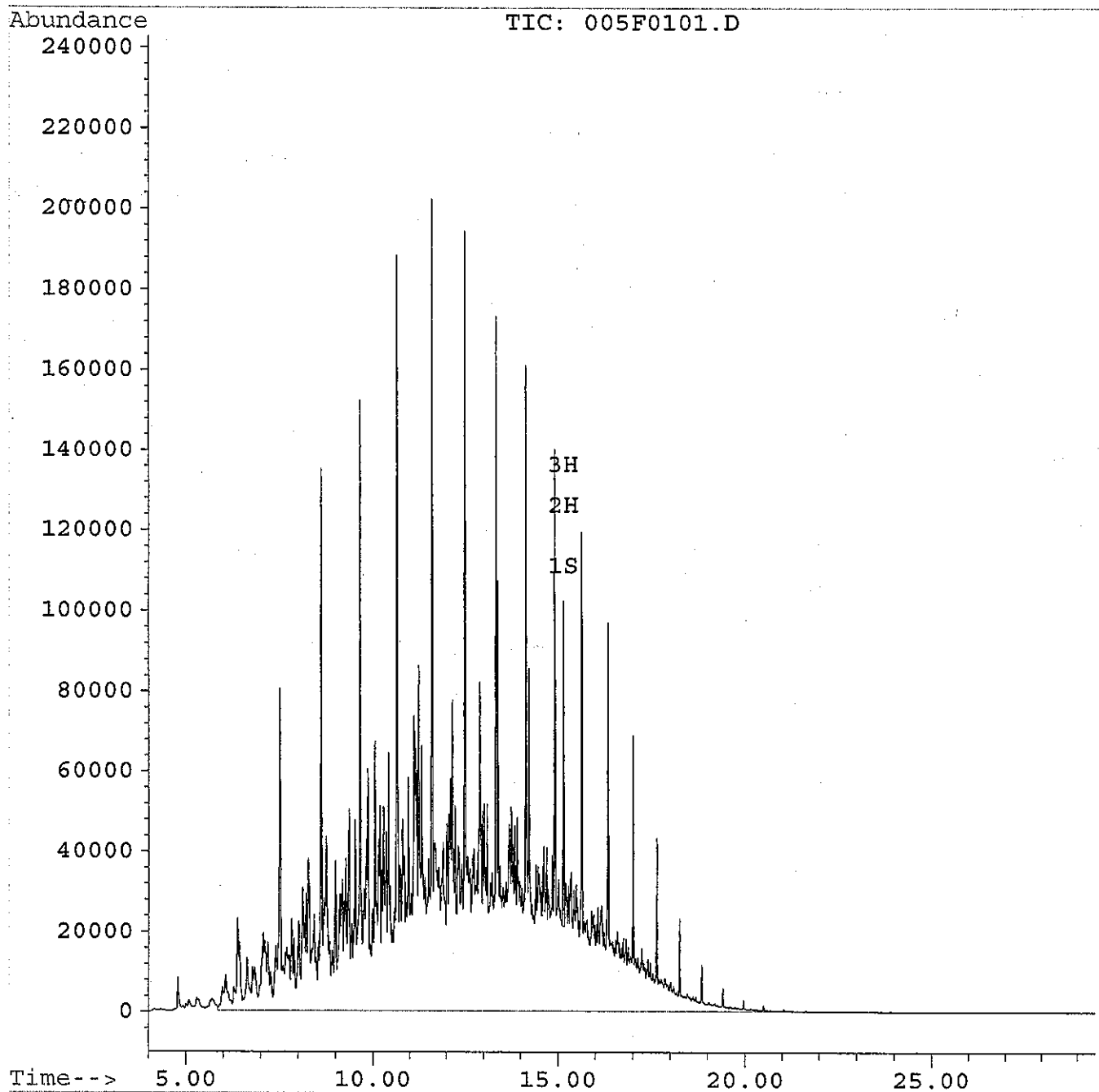
Quantitation Report

Data File : Q:\SVOA\TPH_GC2\DATA\081406\005F0101.D
Acq On : 14 Aug 06 04:19 PM
Sample : BH61404-BSD1
Misc :
Quant Time: Aug 15 5:50 19106

Vial: 5
Operator: [GC]A.MS
Inst : GC2
Multiplr: 1.00

Method : Q:\SVOA\TPH_GC2\METHODS\8100FCN.M
Title : ELEMENT ID: 0502008
Last Update : Mon Aug 07 17:40:00 2006
Response via : Multiple Level Calibration

Volume Inj. : 1 ul
Signal Phase : RTX-5MS
Signal Info : 0.25



TPH Calibration Data

ANALYSIS BATCH (SEQUENCE) SUMMARY

8100M

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Sequence: BPH0160

Instrument: SVOAGC2

Matrix: Solid

Calibration: 0608026

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|-------------------|---------------|-------------|--------------------|
| Calibration Check | BPH0160-CCV1 | 002F0101.D | 08/14/06 14:01 |
| Blank | BH61404-BLK1 | 003F0101.D | 08/14/06 15:12 |
| LCS | BH61404-BS1 | 004F0101.D | 08/14/06 15:43 |
| LCS Dup | BH61404-BSD1 | 005F0101.D | 08/14/06 16:19 |
| Calibration Check | BPH0160-CCV2 | 014F0101.D | 08/14/06 21:42 |

CONTINUING CALIBRATION CHECK

8100M

| | |
|--|---|
| Laboratory: <u>ESS Laboratory</u> | SDG: <u>0608248</u> |
| Client: <u>MACTEC Engineering & Consulting, Inc.</u> | Project: <u>Providence Gorham Site</u> |
| Instrument ID: <u>SVOAGC2</u> | Calibration: <u>0608026</u> |
| Lab File ID: <u>002F0101.D</u> | Calibration Date: <u>08/07/06 00:00</u> |
| Sequence: <u>BPH0160</u> | Injection Date: <u>08/14/06</u> |
| Lab Sample ID: <u>BPH0160-CCV1</u> | Injection Time: <u>14:01</u> |

| COMPOUND | TYPE | CONC. (mg/L) | | RESPONSE FACTOR | | | % DIFF / DRIFT | |
|------------------------------|------|--------------|-----|-----------------|-------|---------|----------------|-----------|
| | | STD | CCV | ICAL | CCV | MIN (#) | CCV | LIMIT (#) |
| Total Petroleum Hydrocarbons | L | 700 | 619 | 19566.6 | 18421 | | -11.6 | 15 |
| Total Petroleum Hydrocarbons | L | 700 | 619 | 19566.6 | 18421 | | -11.6 | 15 |

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Data File : Q:\SVOA\TPH_GC2\DATA\081406\002F0101.D
Acq On : 14 Aug 06 02:01 PM
Sample : BPH0160-CCV1
Misc :
Quant Time: Aug 14 15:08 19106

Vial: 2
Operator: [GC]A.MS
Inst : GC2
Multiplr: 1.00

Method : Q:\SVOA\TPH_GC2\METHODS\8100FCN.M
Title : ELEMENT ID: 0502008
Last Update : Mon Aug 07 17:40:00 2006
Response via : Multiple Level Calibration

Volume Inj. : 1 ul
Signal Phase : RTX-5MS
Signal Info : 0.25

| Compound | R.T. | Response | Conc Units |
|-----------------------------|-------|------------|-------------|
| ----- | | | |
| System Monitoring Compounds | | | |
| 1) S O-Terphenyl | 15.14 | 909269 | 46.904 ppm |
| | | Recovery = | 46.90% |
| Target Compounds | | | |
| 2) H C9-C36 | 15.17 | 12894720 | 619.412 ppm |
| 3) H C10-C28 | 15.17 | 9592869 | 491.570 ppm |

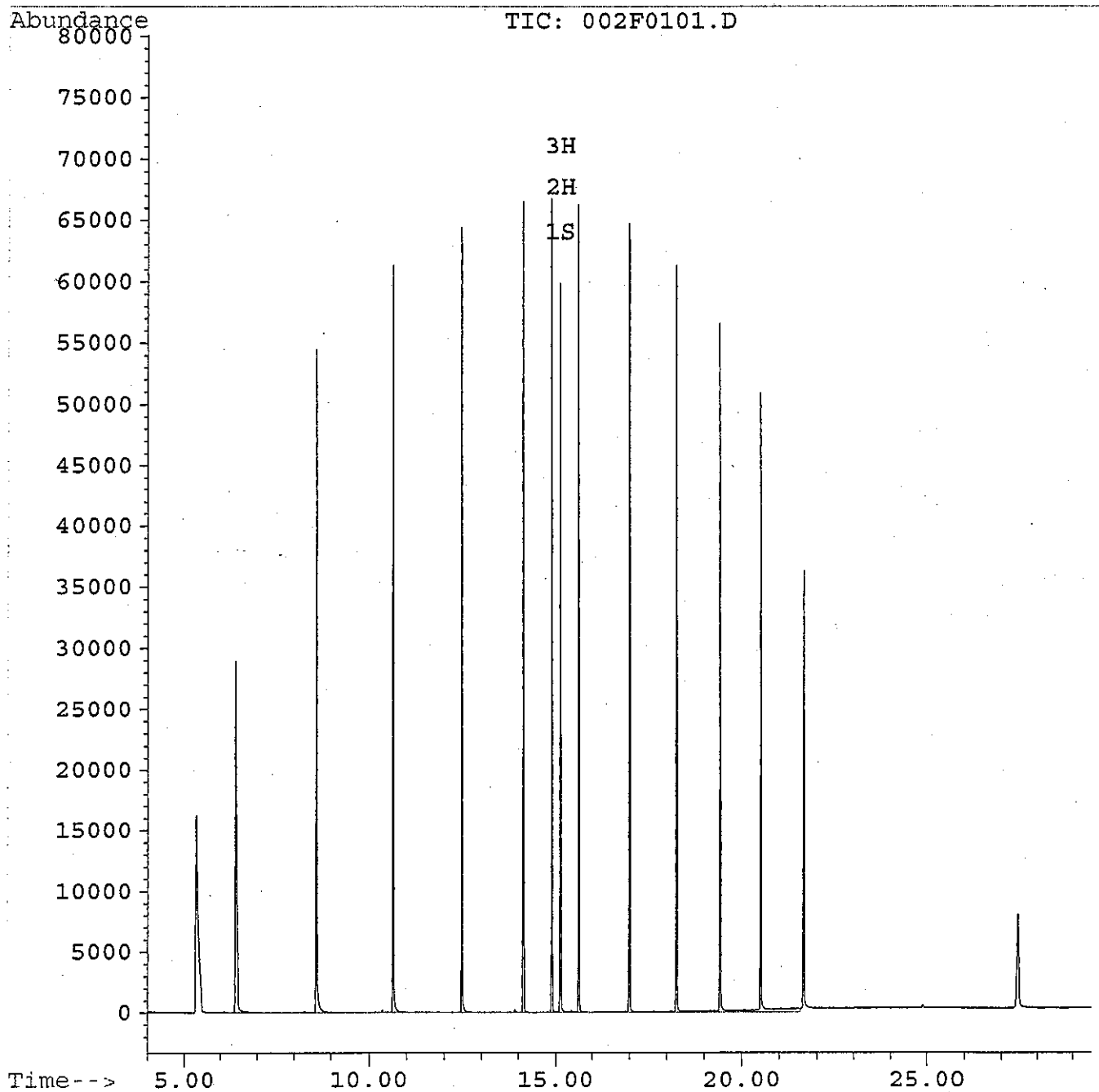
JTS
8/15/06

Data File : Q:\SVOA\TPH_GC2\DATA\081406\002F0101.D
Acq On : 14 Aug 06 02:01 PM
Sample : BPH0160-CCV1
Misc :
Quant Time: Aug 14 15:08 19106

Vial: 2
Operator: [GC]A.MS
Inst : GC2
Multiplr: 1.00

Method : Q:\SVOA\TPH_GC2\METHODS\8100FCN.M
Title : ELEMENT ID: 0502008
Last Update : Mon Aug 07 17:40:00 2006
Response via : Multiple Level Calibration

Volume Inj. : 1 ul
Signal Phase : RTX-5MS
Signal Info : 0.25



CONTINUING CALIBRATION CHECK

8100M

| | |
|--|---|
| Laboratory: <u>ESS Laboratory</u> | SDG: <u>0608248</u> |
| Client: <u>MACTEC Engineering & Consulting, Inc.</u> | Project: <u>Providence Gorham Site</u> |
| Instrument ID: <u>SVOAGC2</u> | Calibration: <u>0608026</u> |
| Lab File ID: <u>014F0101.D</u> | Calibration Date: <u>08/07/06 00:00</u> |
| Sequence: <u>BPH0160</u> | Injection Date: <u>08/14/06</u> |
| Lab Sample ID: <u>BPH0160-CCV2</u> | Injection Time: <u>21:42</u> |

| COMPOUND | TYPE | CONC. (mg/L) | | RESPONSE FACTOR | | | % DIFF / DRIFT | |
|------------------------------|------|--------------|-----|-----------------|---------|---------|----------------|-----------|
| | | STD | CCV | ICAL | CCV | MIN (#) | CCV | LIMIT (#) |
| Total Petroleum Hydrocarbons | L | 700 | 653 | 19566.6 | 19127.4 | | -6.71 | 15 |
| Total Petroleum Hydrocarbons | L | 700 | 653 | 19566.6 | 19127.4 | | -6.71 | 15 |

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Data File : Q:\SVOA\TPH_GC2\DATA\081406\014F0101.D
Acq On : 14 Aug 06 09:42 PM
Sample : BPH0160-CCV2
Misc :
Quant Time: Aug 15 5:29 19106

Vial: 14
Operator: [GC]A.MS
Inst : GC2
Multiplr: 1.00

Method : Q:\SVOA\TPH_GC2\METHODS\8100FCN.M
Title : ELEMENT ID: 0502008
Last Update : Mon Aug 07 17:40:00 2006
Response via : Multiple Level Calibration

Volume Inj. : 1 ul
Signal Phase : RTX-5MS
Signal Info : 0.25

| Compound | R.T. | Response | Conc Units |
|-----------------------------|-------|------------|-------------|
| System Monitoring Compounds | | | |
| 1) S O-Terphenyl | 15.13 | 955658 | 49.585 ppm |
| | | Recovery = | 49.59% |
| Target Compounds | | | |
| 2) H C9-C36 | 15.17 | 13389168 | 653.054 ppm |
| 3) H C10-C28 | 15.17 | 9998418 | 516.887 ppm |

JCS
8/15/06

(f)=RT Delta > 1/2 Window

(m)=manual int.

014F0101.D 8100FCN.M

Tue Aug 15 11:12:45 2006

GC5

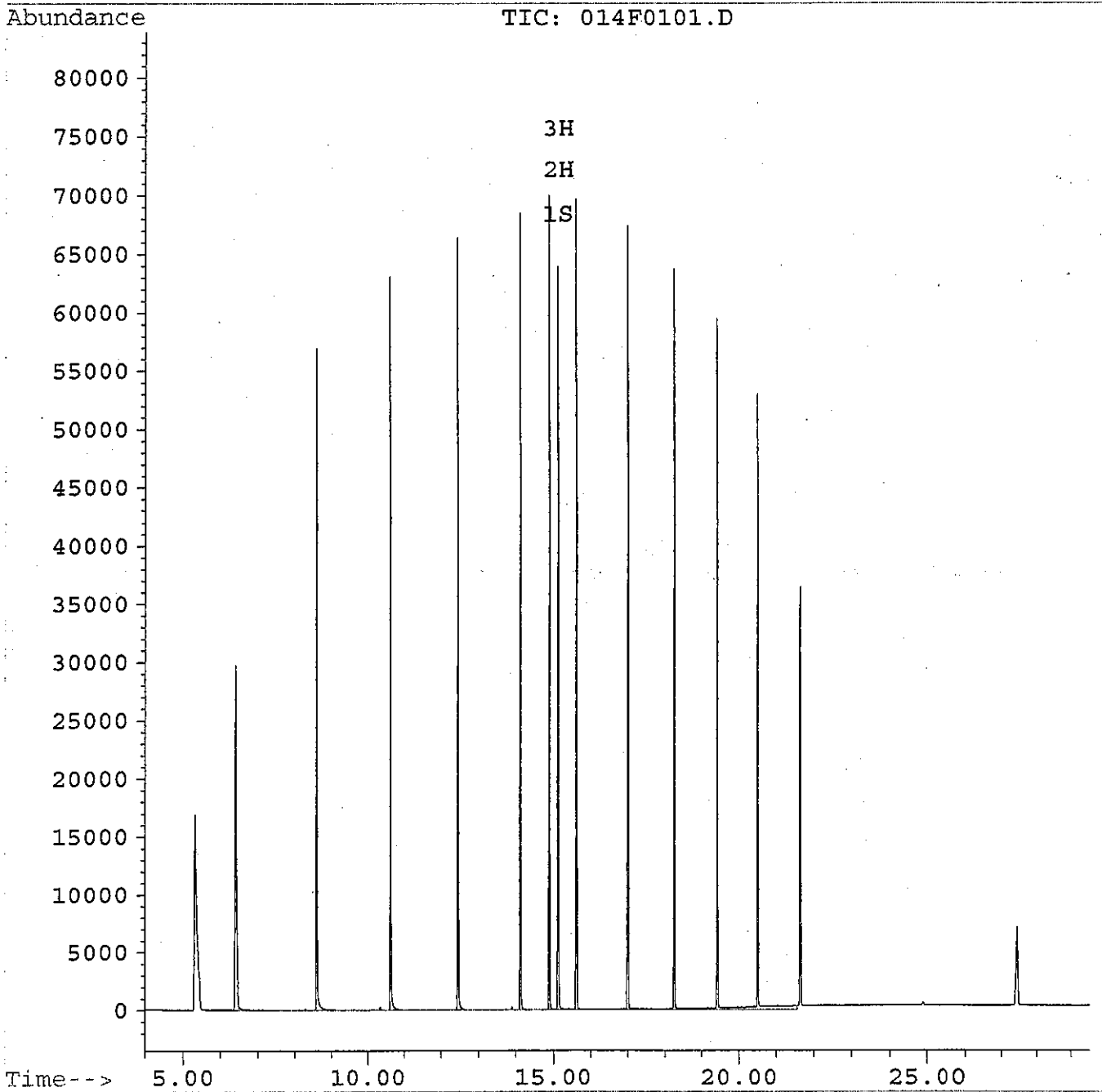
Page 1

Data File : Q:\SVOA\TPH_GC2\DATA\081406\014F0101.D
Acq On : 14 Aug 06 09:42 PM
Sample : BPH0160-CCV2
Misc :
Quant Time: Aug 15 5:29 19106

Vial: 14
Operator: [GC]A.MS
Inst : GC2
Multiplr: 1.00

Method : Q:\SVOA\TPH_GC2\METHODS\8100FCN.M
Title : ELEMENT ID: 0502008
Last Update : Mon Aug 07 17:40:00 2006
Response via : Multiple Level Calibration

Volume Inj. : 1 ul
Signal Phase : RTX-5MS
Signal Info : 0.25



SURROGATE STANDARD RECOVERY AND RT SUMMARY

8100M

Laboratory: ESS Laboratory SDG: 0608248
Client: MACTEC Engineering & Consulting, Inc. Project: Providence Gorham Site
Sequence: BPH0160 Instrument: SVOAGC2
Matrix: Solid Calibration: 0608026

| Surrogate Compound | Spike Level mg/L | % Recovery | Recovery Limits | RT | Calibration Mean RT | RT Diff | RT Diff Limit | Q |
|---|------------------|------------|-------------------------|-------|--------------------------|---------|---------------|---|
| Calibration Check (BPH0160-CCV1) | | | Lab File ID: 002F0101.D | | Analyzed: 08/14/06 14:01 | | | |
| O-Terphenyl | 50.0 | 94 | 80 - 120 | 15.14 | 15.18 | -0.0400 | +/-1.0 | |
| Blank (BH61404-BLK1) | | | Lab File ID: 003F0101.D | | Analyzed: 08/14/06 15:12 | | | |
| O-Terphenyl | 3.33 | 80 | 40 - 140 | 15.14 | 15.18 | -0.0400 | +/-1.0 | |
| LCS (BH61404-BS1) | | | Lab File ID: 004F0101.D | | Analyzed: 08/14/06 15:43 | | | |
| O-Terphenyl | 3.33 | 83 | 40 - 140 | 15.16 | 15.18 | -0.0200 | +/-1.0 | |
| LCS Dup (BH61404-BSD1) | | | Lab File ID: 005F0101.D | | Analyzed: 08/14/06 16:19 | | | |
| O-Terphenyl | 3.33 | 70 | 40 - 140 | 15.15 | 15.18 | -0.0300 | +/-1.0 | |
| Calibration Check (BPH0160-CCV2) | | | Lab File ID: 014F0101.D | | Analyzed: 08/14/06 21:42 | | | |
| O-Terphenyl | 50.0 | 99 | 80 - 120 | 15.13 | 15.18 | -0.0500 | +/-1.0 | |

CONTINUING CALIBRATION CHECK

8100M

| | |
|--|---|
| Laboratory: <u>ESS Laboratory</u> | SDG: <u>0608248</u> |
| Client: <u>MACTEC Engineering & Consulting, Inc.</u> | Project: <u>Providence Gorham Site</u> |
| Instrument ID: <u>SVOAGC2</u> | Calibration: <u>0608026</u> |
| Lab File ID: <u>001F0101.D</u> | Calibration Date: <u>08/07/06 00:00</u> |
| Sequence: <u>BPH0162</u> | Injection Date: <u>08/15/06</u> |
| Lab Sample ID: <u>BPH0162-CCV1</u> | Injection Time: <u>05:30</u> |

| COMPOUND | TYPE | CONC. (mg/L) | | RESPONSE FACTOR | | | % DIFF / DRIFT | |
|------------------------------|------|--------------|-----|-----------------|---------|---------|----------------|-----------|
| | | STD | CCV | ICAL | CCV | MIN (#) | CCV | LIMIT (#) |
| Total Petroleum Hydrocarbons | L | 700 | 644 | 19566.6 | 18945.4 | | -8.00 | 15 |
| Total Petroleum Hydrocarbons | L | 700 | 644 | 19566.6 | 18945.4 | | -8.00 | 15 |

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Data File : Q:\SVOA\TPH_GC2\DATA\081506\001F0101.D
Acq On : 15 Aug 06 05:30 AM
Sample : BPH0162-CCV1
Misc :
Quant Time: Aug 15 6:36 19106

Vial: 1
Operator: [GC]A.MS
Inst : GC2
Multiplr: 1.00

Method : Q:\SVOA\TPH_GC2\METHODS\8100FCN.M
Title : ELEMENT ID: 0502008
Last Update : Mon Aug 07 17:40:00 2006
Response via : Multiple Level Calibration

Volume Inj. : 1 ul
Signal Phase : RTX-5MS
Signal Info : 0.25

| Compound | R.T. | Response | Conc Units |
|-----------------------------|----------|----------|-------------|
| ----- | | | |
| System Monitoring Compounds | | | |
| 1) S O-Terphenyl | 15.14 | 966620 | 50.219 ppm |
| | Recovery | = | 50.22% |
| Target Compounds | | | |
| 2) H C9-C36 | 15.17 | 13261813 | 644.389 ppm |
| 3) H C10-C28 | 15.17 | 10104971 | 523.539 ppm |

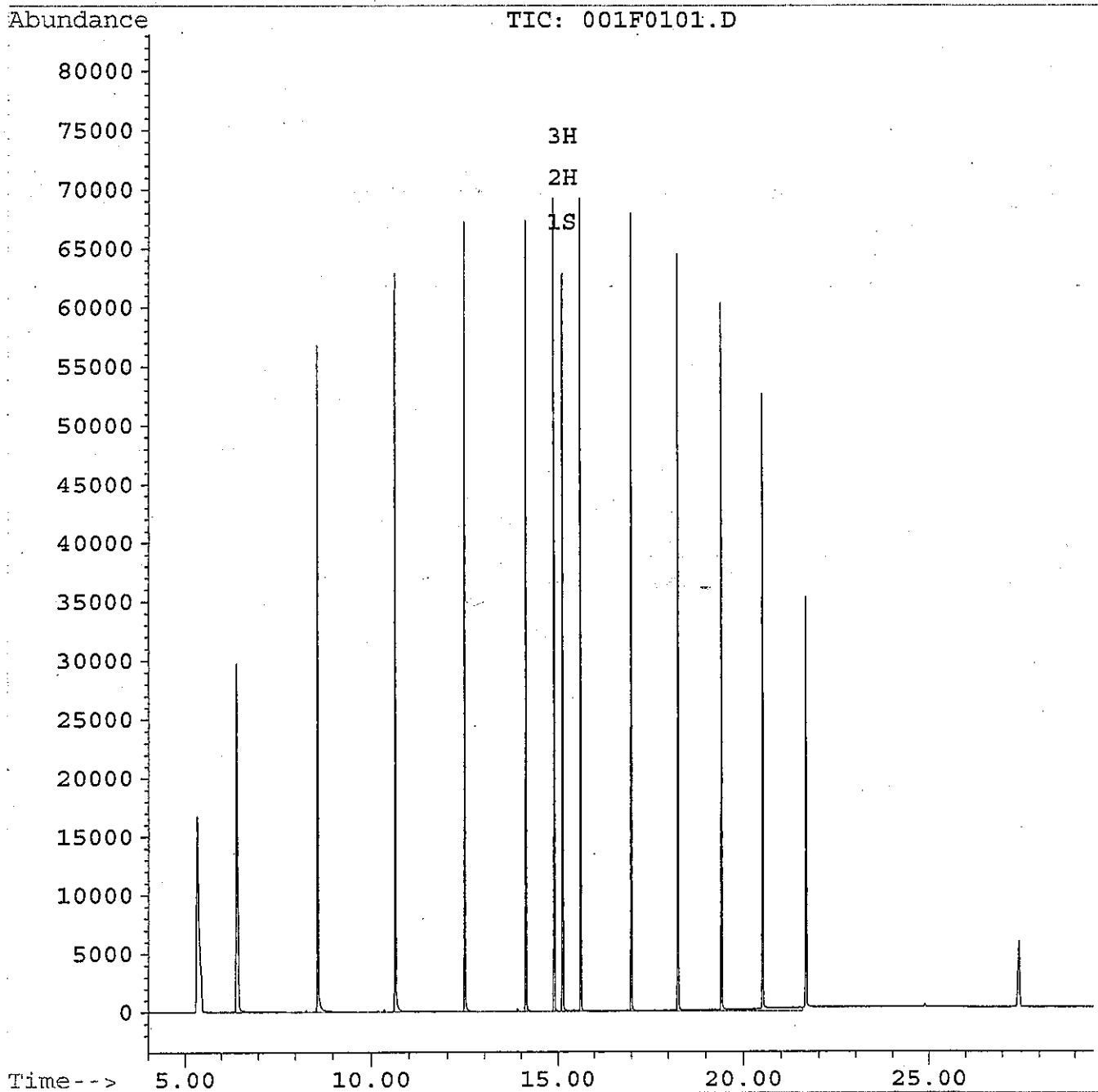
JCS
8/15/06

Data File : Q:\SVOA\TPH_GC2\DATA\081506\001F0101.D
Acq On : 15 Aug 06 05:30 AM
Sample : BPH0162-CCV1
Misc :
Quant Time: Aug 15 6:36 19106

Vial: 1
Operator: [GC]A.MS
Inst : GC2
Multiplr: 1.00

Method : Q:\SVOA\TPH_GC2\METHODS\8100FCN.M
Title : ELEMENT ID: 0502008
Last Update : Mon Aug 07 17:40:00 2006
Response via : Multiple Level Calibration

Volume Inj. : 1 ul
Signal Phase : RTX-5MS
Signal Info : 0.25



CONTINUING CALIBRATION CHECK

8100M

| | |
|--|---|
| Laboratory: <u>ESS Laboratory</u> | SDG: <u>0608248</u> |
| Client: <u>MACTEC Engineering & Consulting, Inc.</u> | Project: <u>Providence Gorham Site</u> |
| Instrument ID: <u>SVOAGC2</u> | Calibration: <u>0608026</u> |
| Lab File ID: <u>008F0101.D</u> | Calibration Date: <u>08/07/06 00:00</u> |
| Sequence: <u>BPH0162</u> | Injection Date: <u>08/15/06</u> |
| Lab Sample ID: <u>BPH0162-CCV2</u> | Injection Time: <u>10:29</u> |

| COMPOUND | TYPE | CONC. (mg/L) | | RESPONSE FACTOR | | | % DIFF / DRIFT | |
|------------------------------|------|--------------|-----|-----------------|---------|---------|----------------|-----------|
| | | STD | CCV | ICAL | CCV | MIN (#) | CCV | LIMIT (#) |
| Total Petroleum Hydrocarbons | L | 700 | 660 | 19566.6 | 19270.4 | | -5.71 | 15 |
| Total Petroleum Hydrocarbons | L | 700 | 660 | 19566.6 | 19270.4 | | -5.71 | 15 |

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Data File : Q:\SVOA\TPH_GC2\DATA\081506\008F0101.D
Acq On : 15 Aug 06 10:29 AM
Sample : BPH0161-CCV2
Misc :
Quant Time: Aug 15 11:13 19106

Vial: 8
Operator: [GC]A.MS
Inst : GC2
Multiplr: 1.00

Method : Q:\SVOA\TPH_GC2\METHODS\8100FCN.M
Title : ELEMENT ID: 0502008
Last Update : Mon Aug 07 17:40:00 2006
Response via : Multiple Level Calibration

Volume Inj. : 1 ul
Signal Phase : RTX-5MS
Signal Info : 0.25

| Compound | R.T. | Response | Conc Units |
|-----------------------------|----------|----------|-------------|
| ----- | | | |
| System Monitoring Compounds | | | |
| 1) S O-Terphenyl | 15.14 | 962814 | 49.999 ppm |
| | Recovery | = | 50.00% |
| Target Compounds | | | |
| 2) H C9-C36 | 15.17 | 13489268 | 659.864 ppm |
| 3) H C10-C28 | 15.17 | 10121790 | 524.589 ppm |

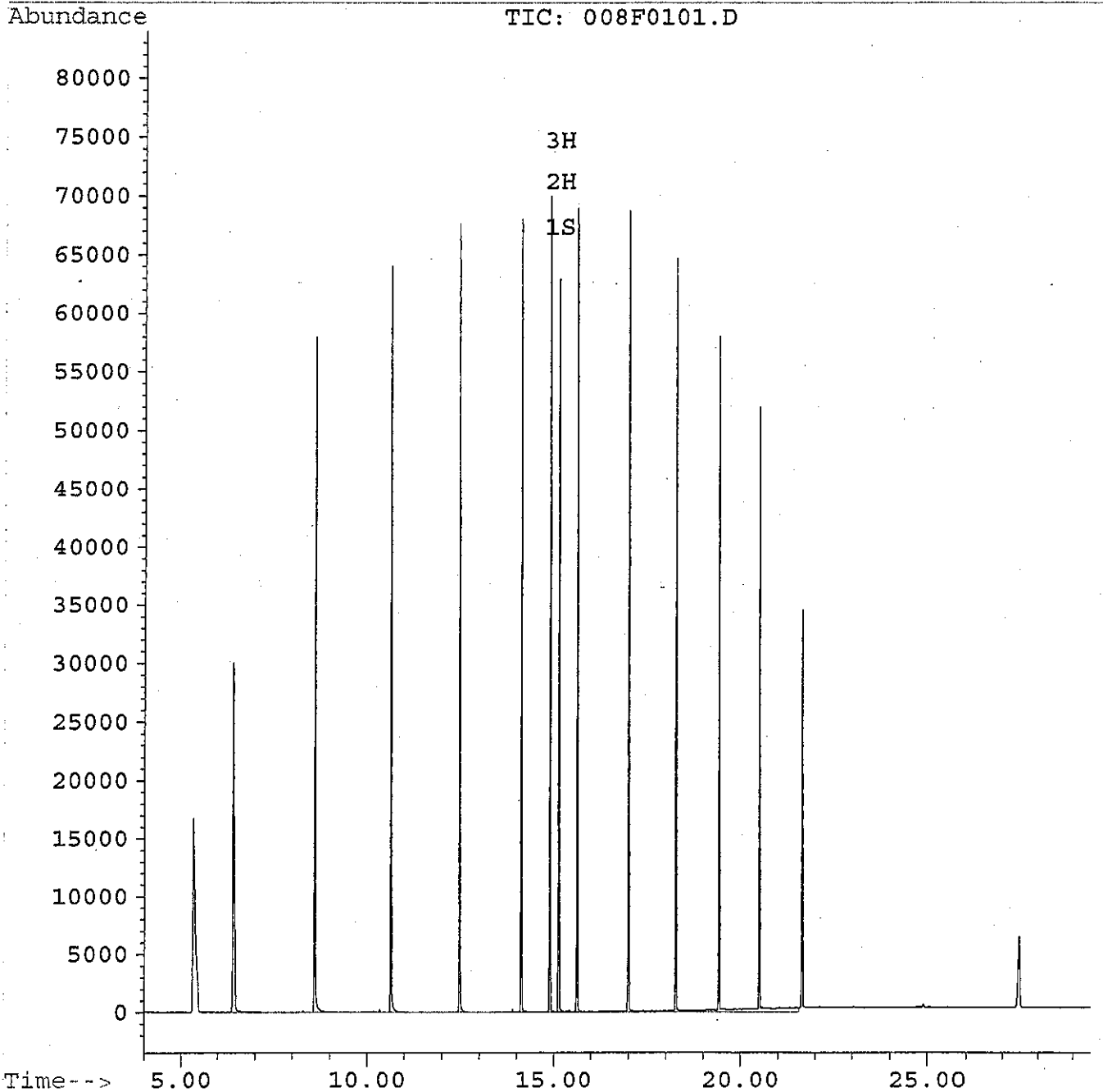
JCS
8/15/06

Data File : Q:\SVOA\TPH_GC2\DATA\081506\008F0101.D
Acq On : 15 Aug 06 10:29 AM
Sample : BPH0161-CCV2
Misc :
Quant Time: Aug 15 11:13 19106

Vial: 8
Operator: [GC]A.MS
Inst : GC2
Multiplr: 1.00

Method : Q:\SVOA\TPH_GC2\METHODS\8100FCN.M
Title : ELEMENT ID: 0502008
Last Update : Mon Aug 07 17:40:00 2006
Response via : Multiple Level Calibration

Volume Inj. : 1 ul
Signal Phase : RTX-5MS
Signal Info : 0.25



SURROGATE STANDARD RECOVERY AND RT SUMMARY

8100M

| | |
|--|--|
| Laboratory: <u>ESS Laboratory</u> | SDG: <u>0608248</u> |
| Client: <u>MACTEC Engineering & Consulting, Inc.</u> | Project: <u>Providence Gorham Site</u> |
| Sequence: <u>BPH0162</u> | Instrument: <u>SVOAGC2</u> |
| Matrix: <u>Solid</u> | Calibration: <u>0608026</u> |

| Surrogate Compound | Spike Level mg/L | % Recovery | Recovery Limits | RT | Calibration Mean RT | RT Diff | RT Diff Limit | Q |
|--|------------------|-------------------------|-----------------|-------|--------------------------|---------|---------------|---|
| Calibration Check (BPH0162-CCV1) | | Lab File ID: 001F0101.D | | | Analyzed: 08/15/06 05:30 | | | |
| O-Terphenyl | 50.0 | 100 | 80 - 120 | 15.14 | 15.18 | -0.0400 | +/-1.0 | |
| SS-SI70 B1 (0608248-09) | | Lab File ID: 002F0101.D | | | Analyzed: 08/15/06 06:37 | | | |
| O-Terphenyl | 5.17 | 71 | 40 - 140 | 15.14 | 15.18 | -0.0400 | +/-1.0 | |
| Vertex Fill (0608248-11) | | Lab File ID: 003F0101.D | | | Analyzed: 08/15/06 07:08 | | | |
| O-Terphenyl | 5.10 | 56 | 40 - 140 | 15.13 | 15.18 | -0.0500 | +/-1.0 | |
| SS-SI77 B1 (0608248-10) | | Lab File ID: 004F0101.D | | | Analyzed: 08/15/06 07:43 | | | |
| O-Terphenyl | 5.37 | 70 | 40 - 140 | 15.13 | 15.18 | -0.0500 | +/-1.0 | |
| Calibration Check (BPH0162-CCV2) | | Lab File ID: 008F0101.D | | | Analyzed: 08/15/06 10:29 | | | |
| O-Terphenyl | 50.0 | 100 | 80 - 120 | 15.14 | 15.18 | -0.0400 | +/-1.0 | |

INITIAL CALIBRATION DATA

8100M

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Calibration: 0608026

Instrument: SVOAGC2

Matrix: Solid

Calibration Date: 08/07/06 00:00

| Compound | Level 01 | | Level 02 | | Level 03 | | Level 04 | | Level 05 | | Level 06 | |
|------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----|
| | mg/L | RF | mg/L | RF | mg/L | RF | mg/L | RF | mg/L | RF | mg/L | RF |
| Total Petroleum Hydrocarbons | 140 | 29452.87 | 700 | 18753.96 | 1400 | 17594.5 | 3500 | 17114.96 | 7000 | 14916.49 | | |
| O-Terphenyl | 10 | 16768.9 | 50 | 17709.76 | 100 | 18303.16 | 250 | 19039.68 | 500 | 17175.4 | | |

INITIAL CALIBRATION DATA (Continued)

8100M

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Calibration: 0608026

Instrument: SVOAGC2

Matrix: Solid

Calibration Date: 08/07/06 00:00

| Compound | Mean RF | RF RSD | Mean RT | RT RSD | Linear r | Quad COD | LIMIT | Q |
|------------------------------|---------|--------|---------|---------|----------|----------|-------|---|
| Total Petroleum Hydrocarbons | 19566.6 | 29.13 | 15.17 | 0.01462 | 0.99772 | | 0.995 | |
| O-Terphenyl | 17799.4 | 5.065 | 15.18 | 0.1921 | 0.99837 | | 0.995 | |

Data File : Q:\SVOA\TPH_GC2\DATA\080706A\003F0101.D
 Acq On : 07 Aug 06 01:56 PM
 Sample : BPH0161-CAL1
 Misc :
 Quant Time: Aug 7 17:36 19106

Vial: 3
 Operator: [GC]TA.MS
 Inst : GC2
 Multiplr: 1.00

Method : Q:\SVOA\TPH_GC2\METHODS\8100FCN.M
 Title : ELEMENT ID: 0502008
 Last Update : Mon Aug 07 17:40:00 2006
 Response via : Multiple Level Calibration

Volume Inj. : 1 ul
 Signal Phase : RTX-5MS
 Signal Info : 0.25

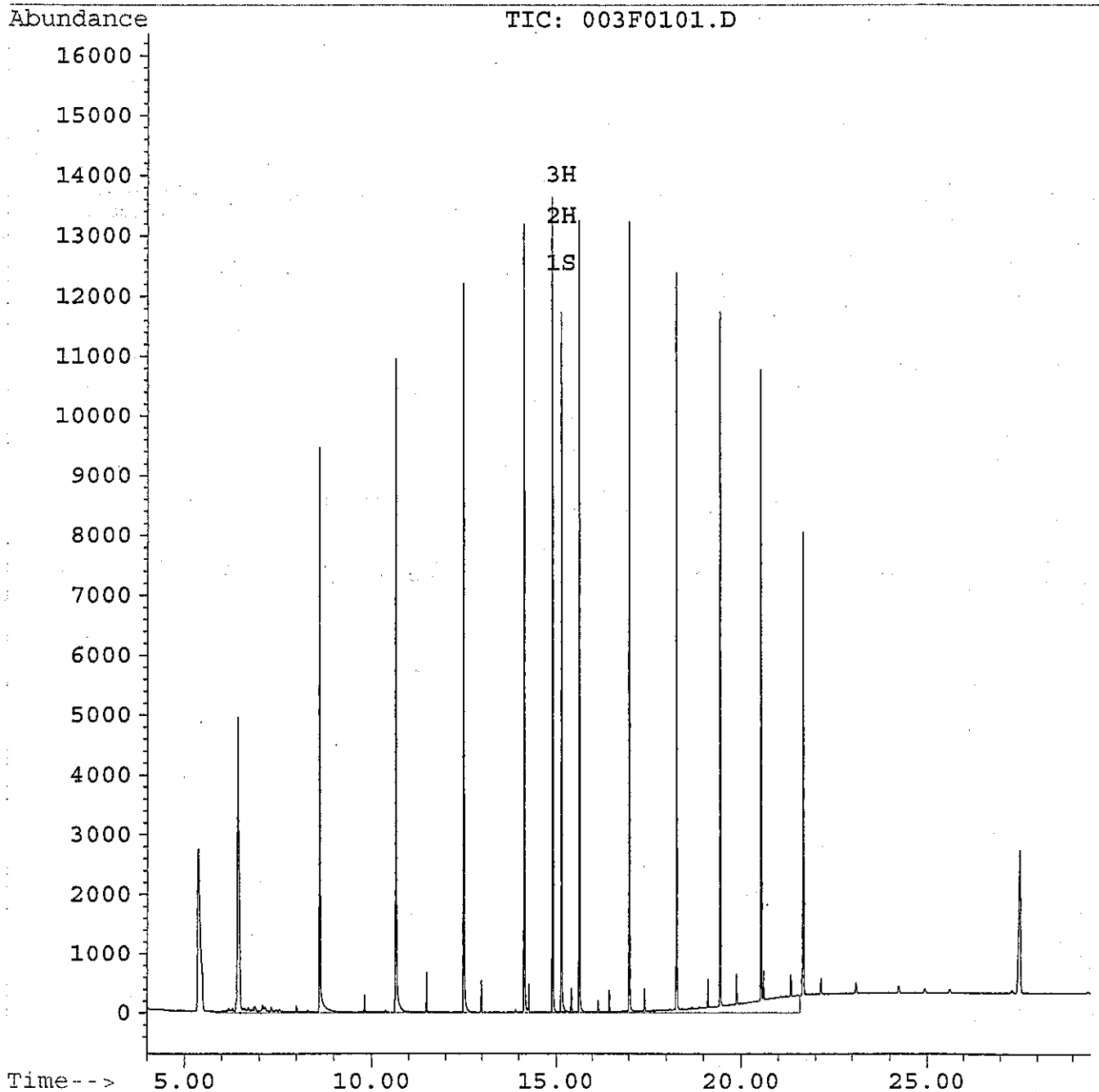
| Compound | R.T. | Response | Conc Units |
|-----------------------------|-------|------------|-------------|
| System Monitoring Compounds | | | |
| 1) S O-Terphenyl | 15.15 | 167689 | 8.180 ppm |
| | | Recovery = | 8.18% |
| Target Compounds | | | |
| 2) H C9-C36 | 15.17 | 4123402 | 147.713 ppm |
| 3) H C10-C28 | 15.17 | 2231350 | 110.290 ppm |

Data File : Q:\SVOA\TPH_GC2\DATA\080706A\003F0101.D
Acq On : 07 Aug 06 01:56 PM
Sample : BPH0161-CAL1
Misc :
Quant Time: Aug 7 17:36 19106

Vial: 3
Operator: [GC]TA.MS
Inst : GC2
Multiplr: 1.00

Method : Q:\SVOA\TPH_GC2\METHODS\8100FCN.M
Title : ELEMENT ID: 0502008
Last Update : Mon Aug 07 17:40:00 2006
Response via : Multiple Level Calibration

Volume Inj. : 1 ul
Signal Phase : RTX-5MS
Signal Info : 0.25



Data File : Q:\SVOA\TPH_GC2\DATA\080706A\002F0101.D
Acq On : 07 Aug 06 01:20 PM
Sample : BPH0161-CAL2
Misc :
Quant Time: Aug 7 17:34 19106

Vial: 2
Operator: [GC]TA.MS
Inst : GC2
Multiplr: 1.00

Method : Q:\SVOA\TPH_GC2\METHODS\8100FCN.M
Title : ELEMENT ID: 0502008
Last Update : Mon Aug 07 17:40:00 2006
Response via : Multiple Level Calibration

Volume Inj. : 1 ul
Signal Phase : RTX-5MS
Signal Info : 0.25

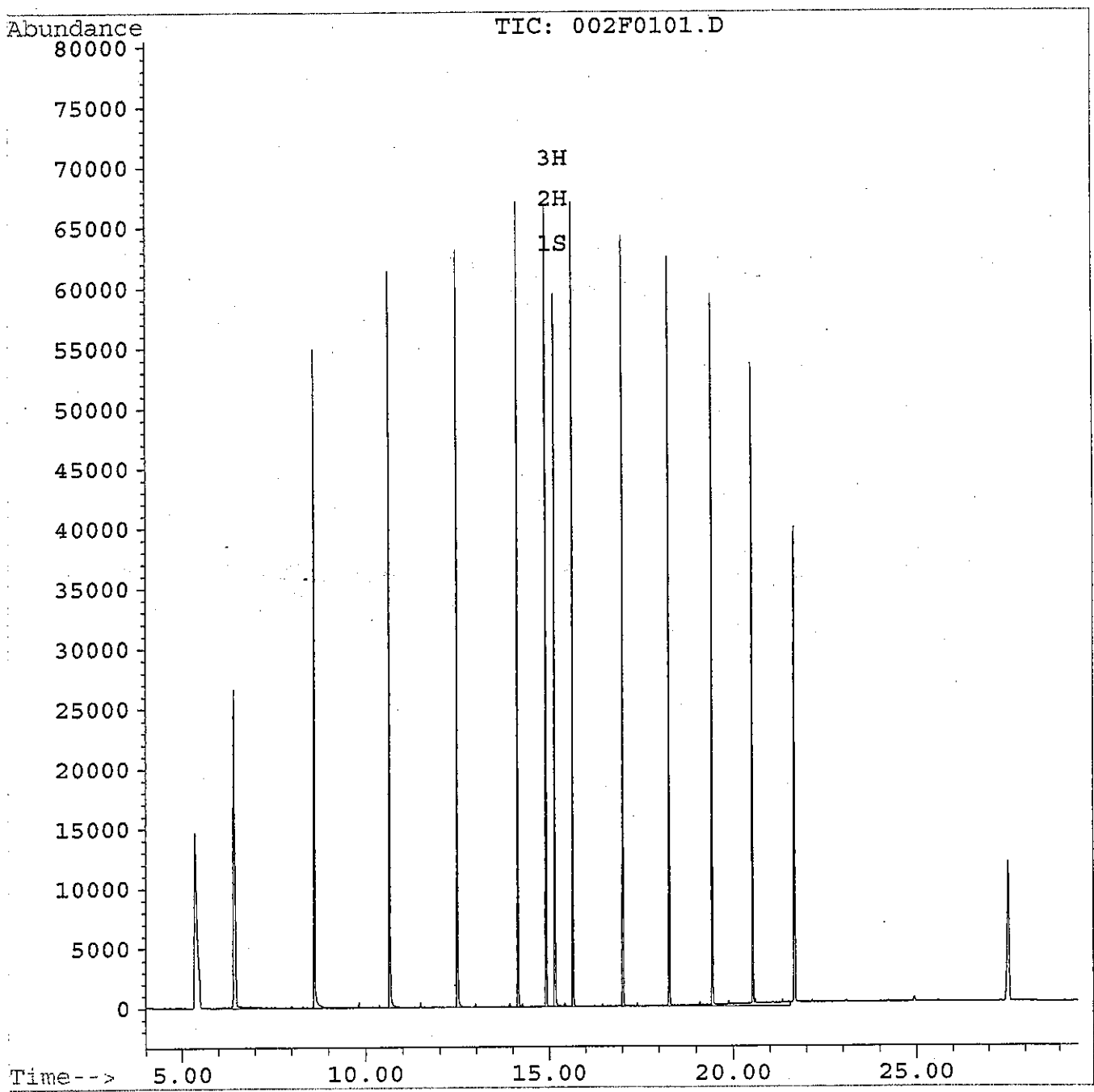
| Compound | R.T. | Response | Conc Units |
|-----------------------------|----------|----------|-------------|
| ----- | | | |
| System Monitoring Compounds | | | |
| 1) S O-Terphenyl | 15.16f | 885488 | 41.835 ppm |
| | Recovery | = | 41.84% |
| Target Compounds | | | |
| 2) H C9-C36 | 15.17 | 13127765 | 592.914 ppm |
| 3) H C10-C28 | 15.17 | 9676359 | 464.878 ppm |

Data File : Q:\SVOA\TPH_GC2\DATA\080706A\002F0101.D
Acq On : 07 Aug 06 01:20 PM
Sample : BPH0161-CAL2
Misc :
Quant Time: Aug 7 17:34 19106

Vial: 2
Operator: [GC]TA.MS
Inst : GC2
Multiplr: 1.00

Method : Q:\SVOA\TPH_GC2\METHODS\8100FCN.M
Title : ELEMENT ID: 0502008
Last Update : Mon Aug 07 17:40:00 2006
Response via : Multiple Level Calibration

Volume Inj. : 1 ul
Signal Phase : RTX-5MS
Signal Info : 0.25



Data File : Q:\SVOA\TPH_GC2\DATA\080706A\004F0101.D
 Acq On : 07 Aug 06 02:32 PM
 Sample : BPH0161-CAL3
 Misc :
 Quant Time: Aug 7 17:37 19106

Vial: 4
 Operator: [GC]TA.MS
 Inst : GC2
 Multiplr: 1.00

Method : Q:\SVOA\TPH_GC2\METHODS\8100FCN.M
 Title : ELEMENT ID: 0502008
 Last Update : Mon Aug 07 17:40:00 2006
 Response via : Multiple Level Calibration

Volume Inj. : 1 ul
 Signal Phase : RTX-5MS
 Signal Info : 0.25

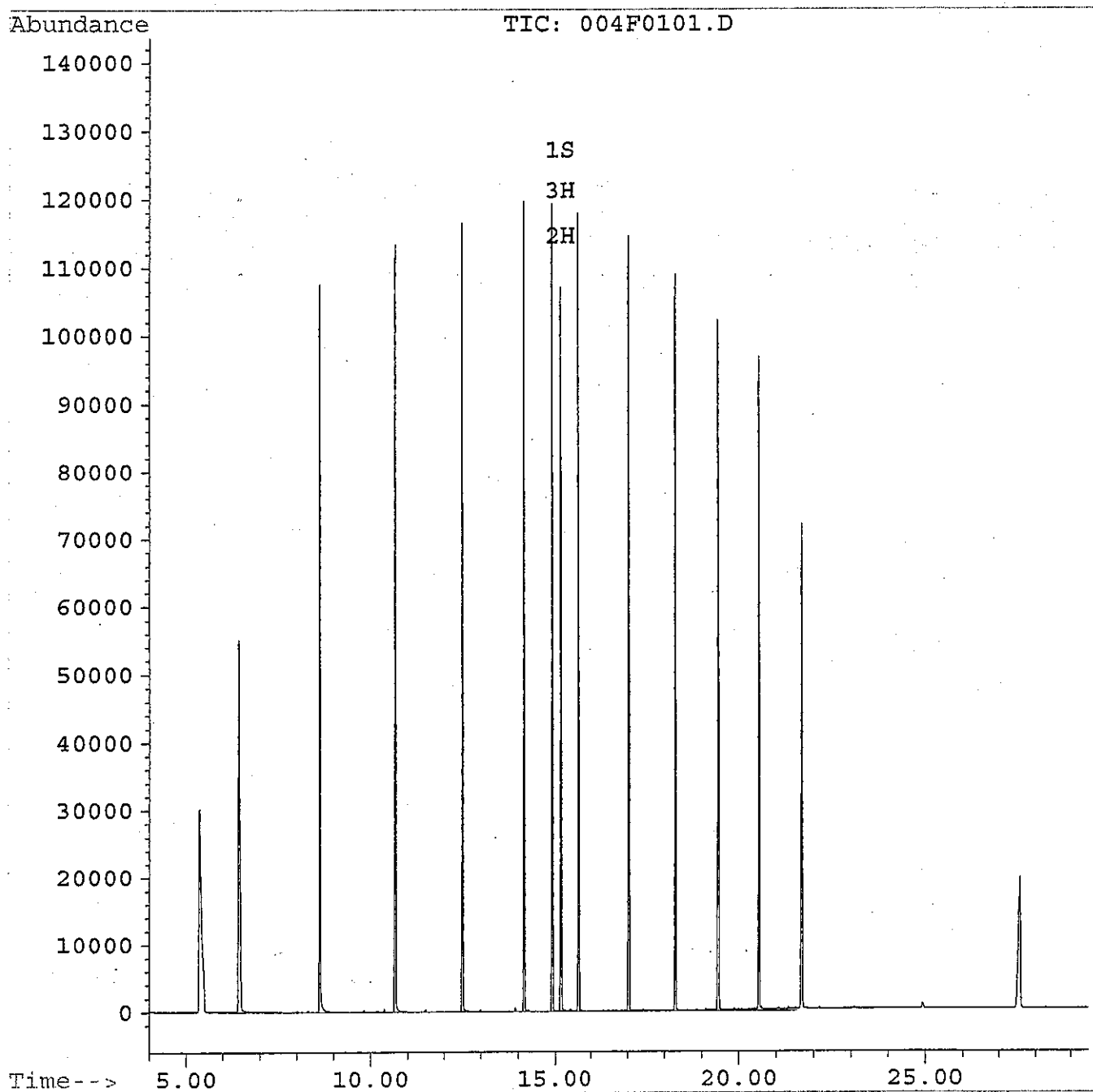
| Compound | R.T. | Response | Conc Units |
|-----------------------------|-------|------------|--------------|
| ----- | | | |
| System Monitoring Compounds | | | |
| 1) S O-Terphenyl | 15.17 | 1830316 | 91.928 ppm |
| | | Recovery = | 91.93% |
| Target Compounds | | | |
| 2) H C9-C36 | 15.17 | 24632299 | 1225.730 ppm |
| 3) H C10-C28 | 15.17 | 19406158 | 979.246 ppm |

Data File : Q:\SVOA\TPH_GC2\DATA\080706A\004F0101.D
Acq On : 07 Aug 06 02:32 PM
Sample : BPH0161-CAL3
Misc :
Quant Time: Aug 7 17:37 19106

Vial: 4
Operator: [GC]TA.MS
Inst : GC2
Multiplr: 1.00

Method : Q:\SVOA\TPH_GC2\METHODS\8100FCN.M
Title : ELEMENT ID: 0502008
Last Update : Mon Aug 07 17:40:00 2006
Response via : Multiple Level Calibration

Volume Inj. : 1 ul
Signal Phase : RTX-5MS
Signal Info : 0.25



Data File : Q:\SVOA\TPH_GC2\DATA\080706A\005F0101.D
 Acq On : 07 Aug 06 03:08 PM
 Sample : BPH0161-CAL4
 Misc :
 Quant Time: Aug 7 17:38 19106

Vial: 5
 Operator: [GC]TA.MS
 Inst : GC2
 Multiplr: 1.00

Method : Q:\SVOA\TPH_GC2\METHODS\8100FCN.M
 Title : ELEMENT ID: 0502008
 Last Update : Mon Aug 07 17:40:00 2006
 Response via : Multiple Level Calibration

Volume Inj. : 1 ul
 Signal Phase : RTX-5MS
 Signal Info : 0.25

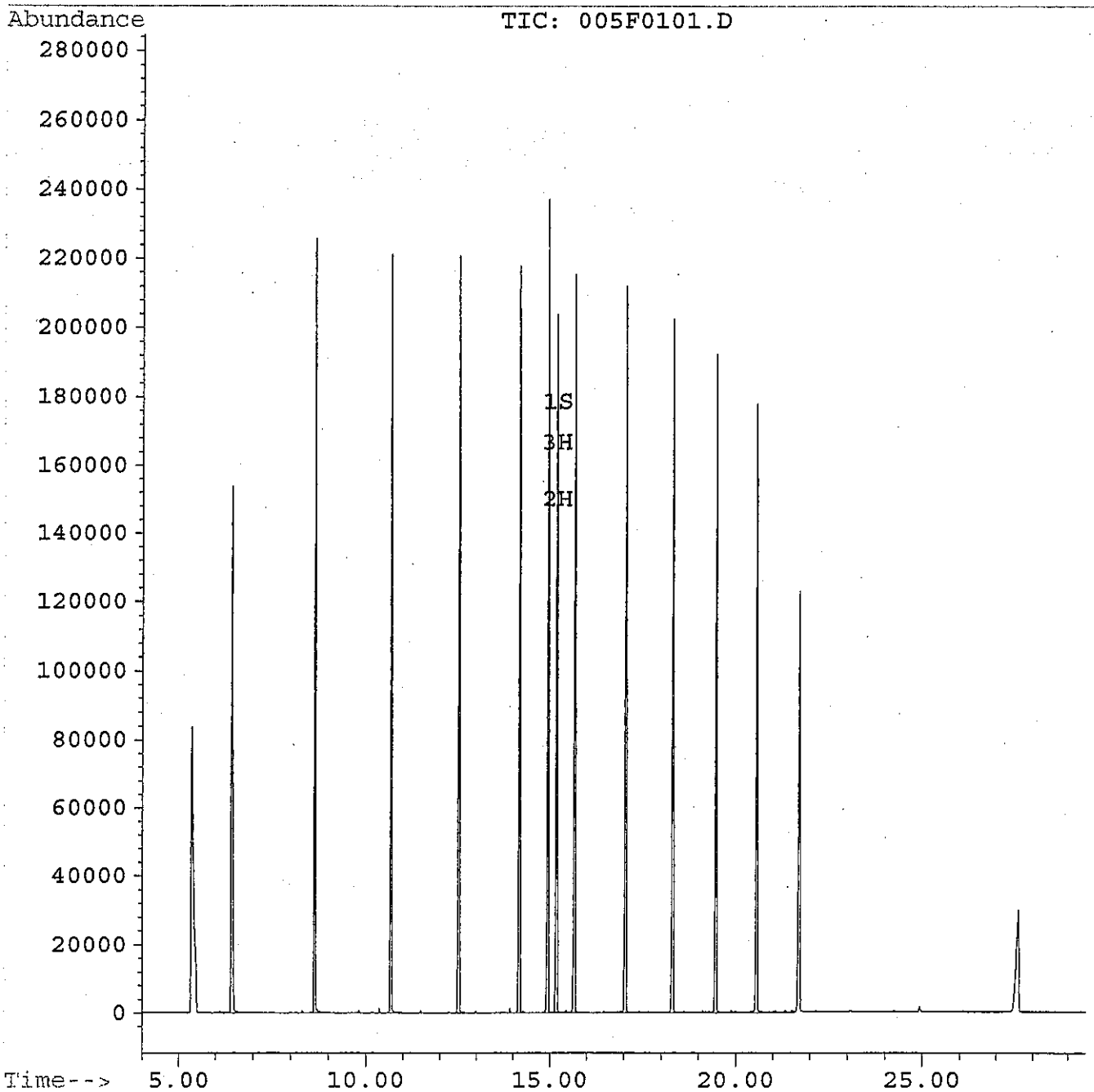
| Compound | R.T. | Response | Conc Units |
|-----------------------------|-------|------------|--------------|
| ----- | | | |
| System Monitoring Compounds | | | |
| 1) S O-Terphenyl | 15.20 | 4759919 | 245.994 ppm |
| | | Recovery = | 245.99% |
| Target Compounds | | | |
| 2) H C9-C36 | 15.17 | 59902364 | 3116.451 ppm |
| 3) H C10-C28 | 15.17 | 49646011 | 2570.029 ppm |

Data File : Q:\SVOA\TPH_GC2\DATA\080706A\005F0101.D
Acq On : 07 Aug 06 03:08 PM
Sample : BPH0161-CAL4
Misc :
Quant Time: Aug 7 17:38 19106

Vial: 5
Operator: [GC]TA.MS
Inst : GC2
Multiplr: 1.00

Method : Q:\SVOA\TPH_GC2\METHODS\8100FCN.M
Title : ELEMENT ID: 0502008
Last Update : Mon Aug 07 17:40:00 2006
Response via : Multiple Level Calibration

Volume Inj. : 1 ul
Signal Phase : RTX-5MS
Signal Info : 0.25



Data File : Q:\SVOA\TPH_GC2\DATA\080706A\006F0101.D
 Acq On : 07 Aug 06 03:43 PM
 Sample : BPH0161-CAL5
 Misc :
 Quant Time: Aug 7 17:39 19106

Vial: 6
 Operator: [GC]TA.MS
 Inst : GC2
 Multiplr: 1.00

Method : Q:\SVOA\TPH_GC2\METHODS\8100FCN.M
 Title : ELEMENT ID: 0502008
 Last Update : Mon Aug 07 17:40:00 2006
 Response via : Multiple Level Calibration

Volume Inj. : 1 ul
 Signal Phase : RTX-5MS
 Signal Info : 0.25

| Compound | R.T. | Response | Conc Units |
|-----------------------------|--------|------------|--------------|
| ----- | | | |
| System Monitoring Compounds | | | |
| 1) S O-Terphenyl | 15.22f | 8587702 | 458.020 ppm |
| | | Recovery = | 458.02% |
| Target Compounds | | | |
| 2) H C9-C36 | 15.17 | 104415448 | 5598.877 ppm |
| 3) H C10-C28 | 15.17 | 87980817 | 4685.471 ppm |

(f)=RT Delta > 1/2 Window

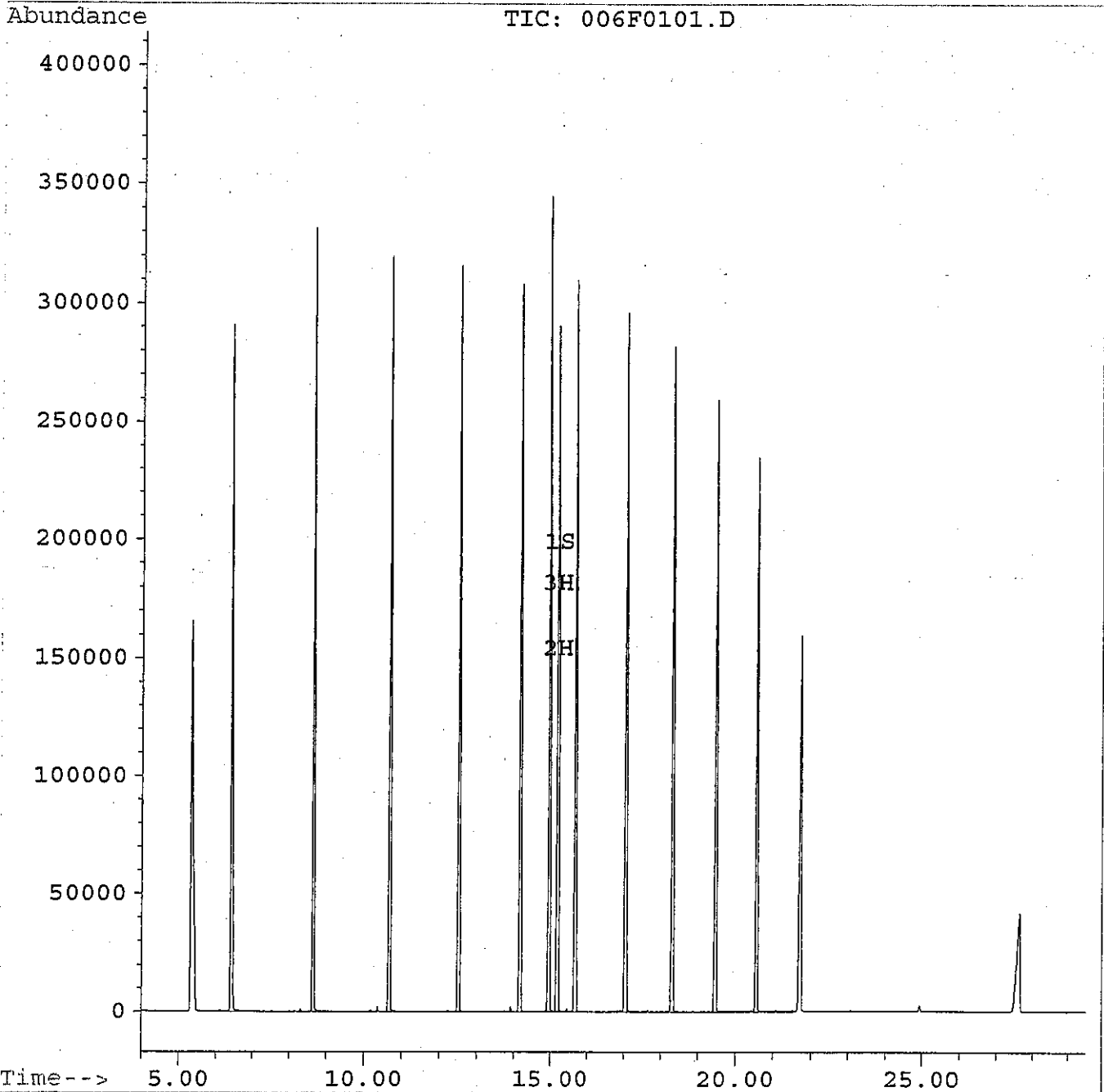
(m)=manual int.

Data File : Q:\SVOA\TPH_GC2\DATA\080706A\006F0101.D
Acq On : 07 Aug 06 03:43 PM
Sample : BPH0161-CAL5
Misc :
Quant Time: Aug 7 17:39 19106

Vial: 6
Operator: [GC]TA.MS
Inst : GC2
Multiplr: 1.00

Method : Q:\SVOA\TPH_GC2\METHODS\8100FCN.M
Title : ELEMENT ID: 0502008
Last Update : Mon Aug 07 17:40:00 2006
Response via : Multiple Level Calibration

Volume Inj. : 1 ul
Signal Phase : RTX-5MS
Signal Info : 0.25



Data File : Q:\SVOA\TPH_GC2\DATA\080706A\007F0101.D
 Acq On : 07 Aug 06 04:19 PM
 Sample : BPH0161-SCV1
 Misc :
 Quant Time: Aug 7 17:40 19106

Vial: 7
 Operator: [GC]TA.MS
 Inst : GC2
 Multiplr: 1.00

Method : Q:\SVOA\TPH_GC2\METHODS\8100FCN.M
 Title : ELEMENT ID: 0502008
 Last Update : Mon Aug 07 17:40:00 2006
 Response via : Multiple Level Calibration

Volume Inj. : 1 ul
 Signal Phase : RTX-5MS
 Signal Info : 0.25

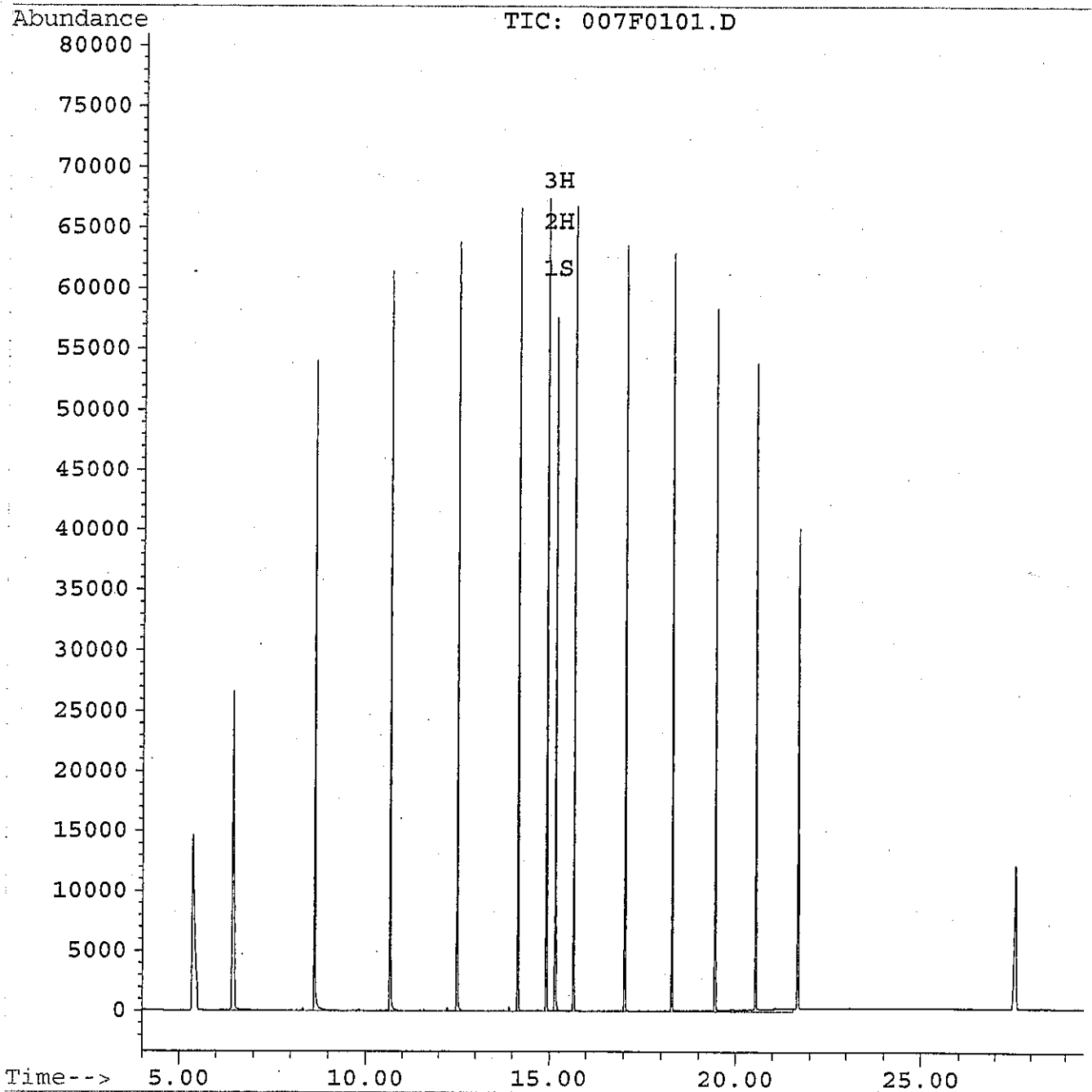
| Compound | R.T. | Response | Conc Units |
|-----------------------------|-------|------------|-------------|
| ----- | | | |
| System Monitoring Compounds | | | |
| 1) S O-Terphenyl | 15.16 | 858778 | 43.985 ppm |
| | | Recovery = | 43.99% |
| Target Compounds | | | |
| 2) H C9-C36 | 15.17 | 12868427 | 617.623 ppm |
| 3) H C10-C28 | 15.17 | 9585650 | 491.119 ppm |

Data File : Q:\SVOA\TPH_GC2\DATA\080706A\007F0101.D
 Acq On : 07 Aug 06 04:19 PM
 Sample : BPH0161-SCV1
 Misc :
 Quant Time: Aug 7 17:40 19106

Vial: 7
 Operator: [GC]TA.MS
 Inst : GC2
 Multiplr: 1.00

Method : Q:\SVOA\TPH_GC2\METHODS\8100FCN.M
 Title : ELEMENT ID: 0502008
 Last Update : Mon Aug 07 17:40:00 2006
 Response via : Multiple Level Calibration

Volume Inj. : 1 ul
 Signal Phase : RTX-5MS
 Signal Info : 0.25



Method : Q:\SVOA\TPH_GC2\METHODS\8100FCN.M
Title : ELEMENT ID: 0502008
Last Update : Mon Aug 07 17:40:00 2006
Response via : Initial Calibration

| # | ID | Conc | ISTD Conc | Path\File |
|---|-----|---------|--------------|---|
| 1 | 50 | 550.00 | 0.00 | Q:\SVOA\TPH_GC2\DATA\080706A\002F0101.D |
| 2 | 10 | 110.00 | 0.00 | Q:\SVOA\TPH_GC2\DATA\080706A\003F0101.D |
| 3 | 100 | 1100.00 | 0.00 | Q:\SVOA\TPH_GC2\DATA\080706A\004F0101.D |
| 4 | 250 | 2750.00 | 0.00 | Q:\SVOA\TPH_GC2\DATA\080706A\005F0101.D |
| 5 | 500 | 5500.00 | 0.00 | Q:\SVOA\TPH_GC2\DATA\080706A\006F0101.D |

| # | ID | Update Time | Quant Time | Acquisition Time |
|---|-----|-------------------|--------------------|--------------------|
| 1 | 50 | Aug 07 17:35 2006 | Aug 07 17:34 19106 | 07 Aug 06 01:20 PM |
| 2 | 10 | Aug 07 17:36 2006 | Aug 07 17:36 19106 | 07 Aug 06 01:56 PM |
| 3 | 100 | Aug 07 17:37 2006 | Aug 07 17:37 19106 | 07 Aug 06 02:32 PM |
| 4 | 250 | Aug 07 17:38 2006 | Aug 07 17:38 19106 | 07 Aug 06 03:08 PM |
| 5 | 500 | Aug 07 17:39 2006 | Aug 07 17:39 19106 | 07 Aug 06 03:43 PM |

8100FCN.M

Tue Aug 15 11:08:50 2006

GC5

Response Factor Report GC2

Method : Q:\SVOA\TPH_GC2\METHODS\8100FCN.M
 Title : ELEMENT ID: 0502008
 Last Update : Mon Aug 07 17:40:00 2006
 Response via : Initial Calibration

Calibration Files

50 =002F0101.D 10 =003F0101.D 100 =004F0101.D
 250 =005F0101.D 500 =006F0101.D

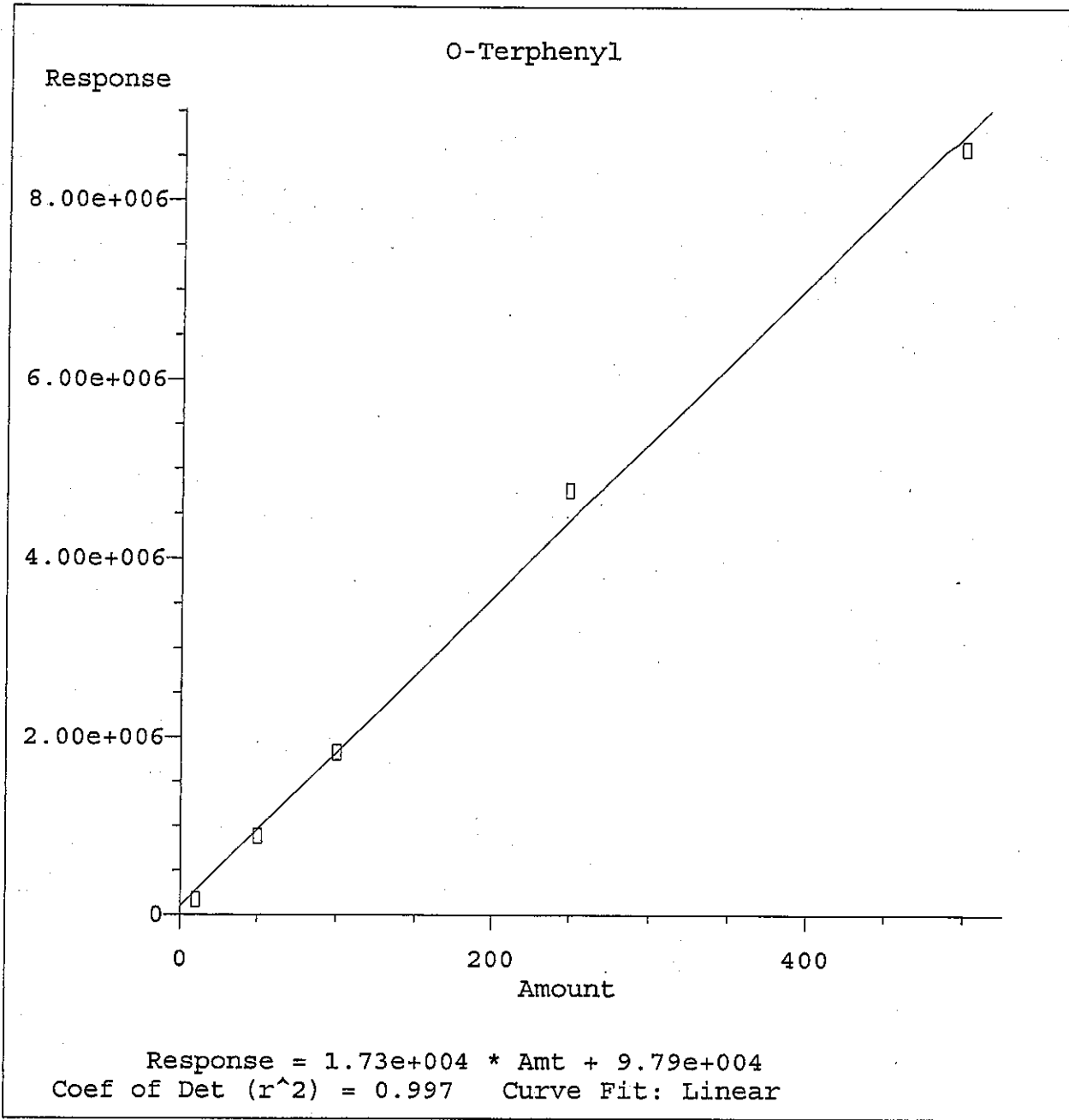
| Compound | | 50 | 10 | 100 | 250 | 500 | Avg | | %RSD |
|----------|-------------|------|------|------|------|------|------|----|-------|
| 1) S | O-Terphenyl | 17.7 | 16.8 | 18.3 | 19.0 | 17.2 | 17.8 | E3 | 5.07 |
| 2) H | C9-C36 | 18.8 | 29.5 | 17.6 | 17.1 | 14.9 | 19.6 | E3 | 29.13 |
| 3) H | C10-C28 | 17.6 | 20.3 | 17.6 | 18.1 | 16.0 | 17.9 | E3 | 8.60 |

(#) = Out of Range
 8100FCN.M

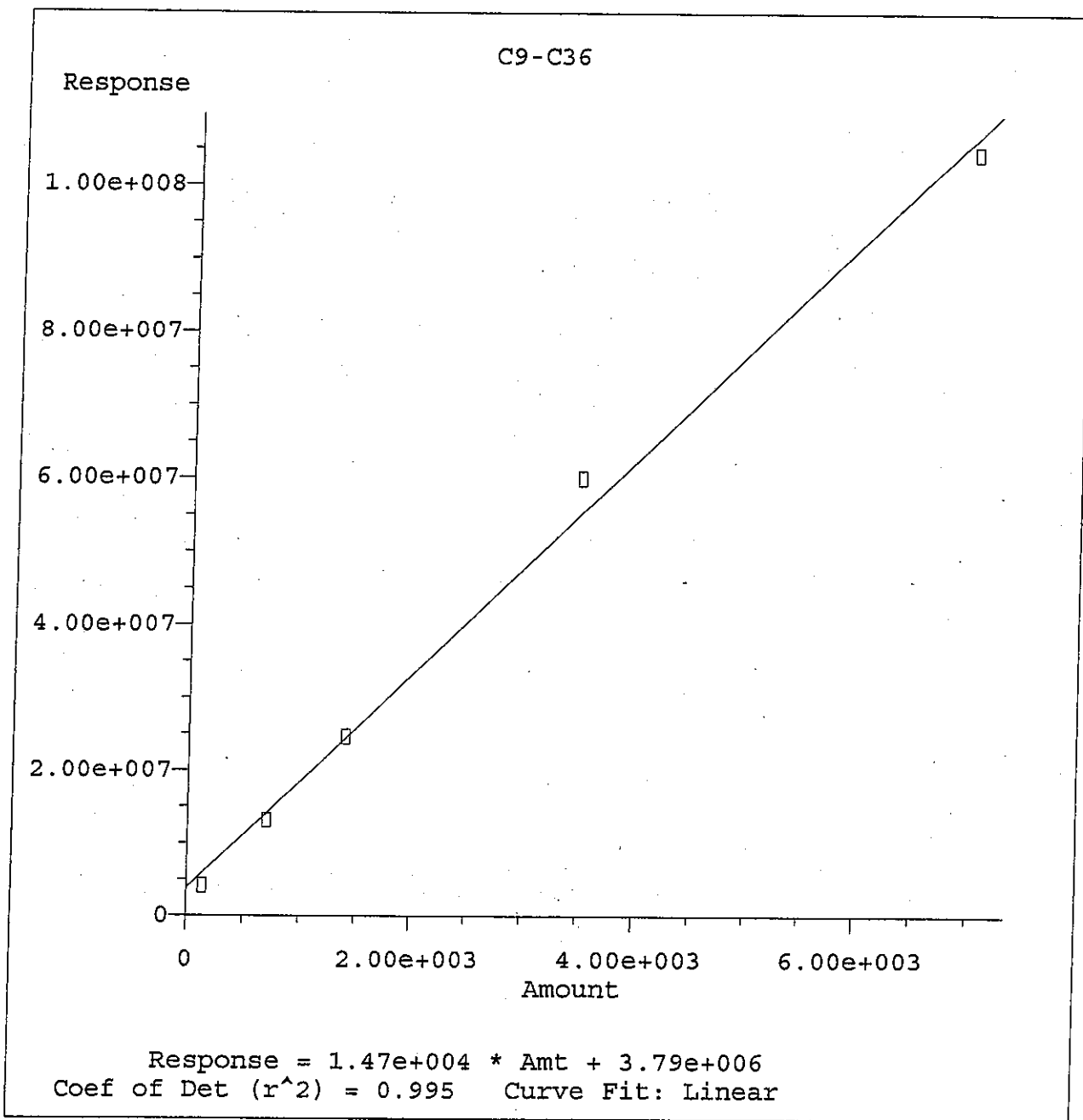
Tue Aug 15 11:09:05 2006

GC5

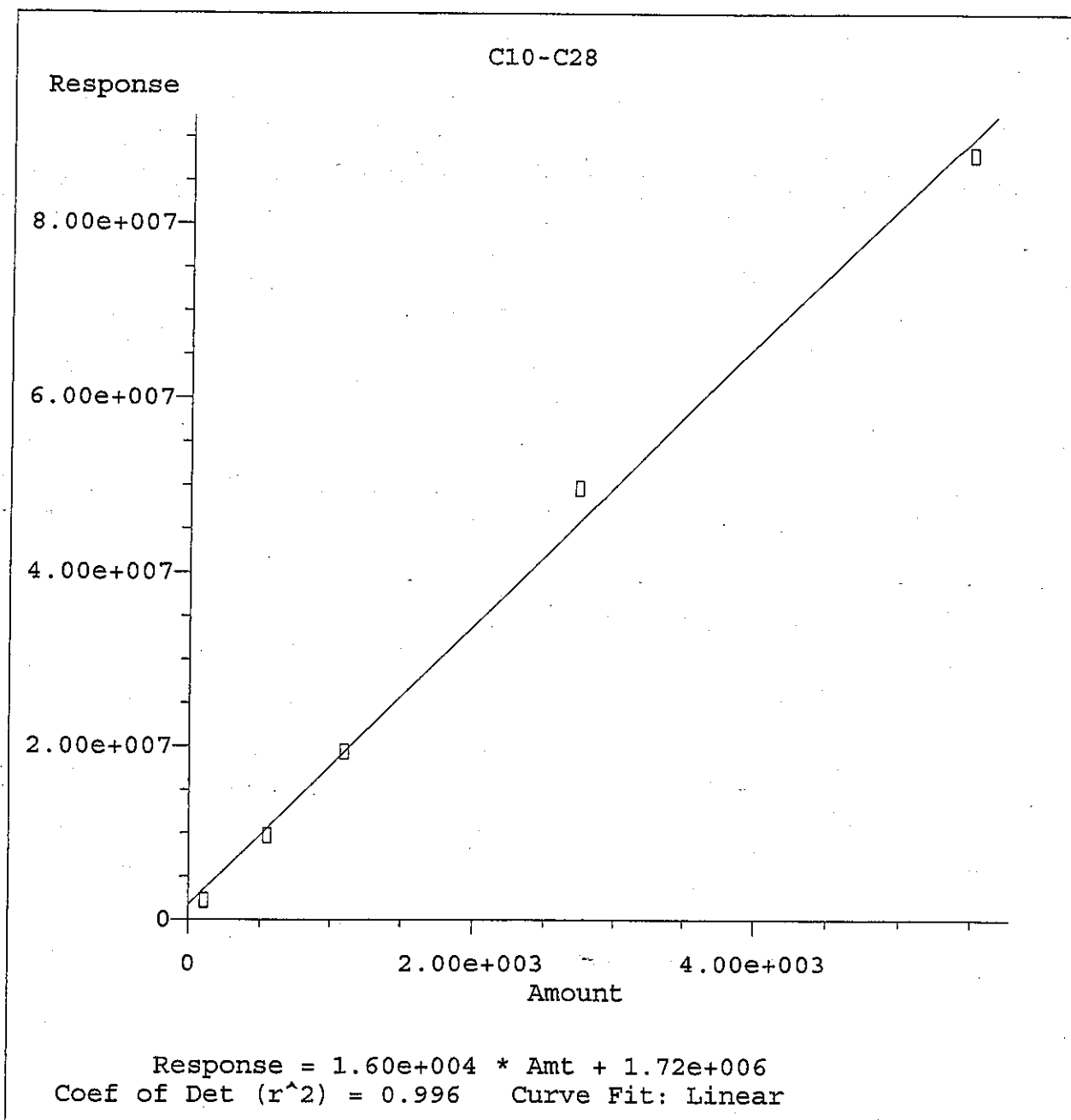
Page 1



Method Name: Q:\SVOA\TPH_GC2\METHODS\8100FCN.M
Calibration Table Last Updated: Mon Aug 07 17:40:00 2006



Method Name: Q:\SVOA\TPH_GC2\METHODS\8100FCN.M
Calibration Table Last Updated: Mon Aug 07 17:40:00 2006



Method Name: Q:\SVOA\TPH_GC2\METHODS\8100FCN.M
Calibration Table Last Updated: Mon Aug 07 17:40:00 2006

TPH
Logbooks

PREPARATION BATCH SUMMARY

8100M

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Batch: BH61404 Batch Matrix: Solid

Preparation: 3541

| SAMPLE NAME | LAB SAMPLE ID | LAB FILE ID | DATE PREPARED | OBSERVATIONS |
|-------------|---------------|-------------|----------------|--------------|
| SS-SI70 B1 | 0608248-09 | 002F0101.D | 08/14/06 15:30 | Data Package |
| SS-SI77 B1 | 0608248-10 | 004F0101.D | 08/14/06 15:30 | Data Package |
| Vertex Fill | 0608248-11 | 003F0101.D | 08/14/06 15:30 | Data Package |
| Blank | BH61404-BLK1 | 003F0101.D | 08/14/06 06:30 | |
| LCS | BH61404-BS1 | 004F0101.D | 08/14/06 06:30 | |
| LCS Dup | BH61404-BSD1 | 005F0101.D | 08/14/06 06:30 | |

ESS LABORATORY
GC2 Front RUN LOG

COLUMN DB5MS

| BATCH DATE | VIAL # | FILE # | LAB ID | METHOD | COMMENTS / DILUTION / STANDARD ID | ANALYST |
|------------|--------|--------|------------------|---------|-----------------------------------|---------|
| 8/11/06 | 20 | 20 | 0608261-05 | 8100FNL | ✓ | JCS |
| | 21 | 21 | -06 | | ✓ | |
| | 22 | 22 | -07 | | ✓ | |
| | 23 | 23 | -03 | | ✓ | |
| | 24 | 24 | -01 | | PR10X | |
| | 25 | 25 | -02 | | PR10X | |
| | 26 | 26 | -01MSI | | PR10X | |
| | 27 | 27 | 0608201-01MSI | | PR10X | |
| | 28 | 28 | 0608199-01 | | PR10X | |
| | 29 | 29 | 0608199-01 | | ✓ | |
| | 30 | 30 | 0608211-01 | | ✓ | |
| | 31 | 31 | solvent | | | |
| 8/11/06 | 32 | 32 | TPH50 | 8100FNL | 6H11042 ✓ | JCS |
| 8/13/06 | 1 | 1 | TPH50 | 8100FNL | 6H11042 X | JCS |
| | 2 | 2 | TPH50 | | 6H11042 ✓ | |
| | 3 | 3 | 0608213-02 | | X10 ✓ | |
| | 4 | 4 | 0608201-01 | | X10 ✓ | |
| | 5 | 5 | -02 | | X10 ✓ | |
| | 6 | 6 | -01MSI | | X10 ✓ | |
| | 7 | 7 | 0608201-01MSI | | X10 ✓ | |
| | 8 | 8 | 0608199-02 | | X10 ✓ | |
| | 9 | 9 | solvent | | | |
| 8/13/06 | 10 | 10 | TPH50 | 8100FNL | 6H11042 ✓ Ran 2X | JCS |
| 8/14/06 | 1 | 1 | TPH50 | 8100FNL | X 6H11042 | JCS |
| | 2 | 2 | RPH0100 TPH50 | | ✓ 6H15001 | |
| | 3 | 3 | BH61404-BIKI | | ✓ | |
| | 4 | 4 | -RS1 | | ✓ | |
| | 5 | 5 | -BSD1 | | ✓ | |
| | 6 | 6 | 0608235-01 | | ✓ | |
| 8/14/06 | 7 | 7 | -02 | 8100FNL | ✓ | JCS |

CONTROL NUMBER 60.0002-0602A

PAGE _____

GC2 Front RUN LOG

COLUMN DB5MS

| BATCH DATE | VIAL # | FILE # | LAB ID | METHOD | COMMENTS / DILUTION / STANDARD ID | ANALYST |
|------------|--------|--------|-------------------|---------|-----------------------------------|---------|
| 8/14/06 | 8 | 8 | 0608225-01ms | 8100FCN | ✓ | JCS |
| | 9 | 9 | -01msD | | ✓ | |
| | 10 | 10 | 0608233-01 | | ✓ | |
| | 11 | 11 | 0608228-01 | | ✓ | |
| | 12 | 12 | 0608234-01 | | ✓ | |
| | 13 | 13 | solvent | | | |
| 8/14/06 | 14 | 14 | BPH0160 TPH50 | 8100FCN | ✓ Ranax 6H15001 | JCS |
| 8/15/01 | 1 | 1 | BPH0162 TPH50 | 8100FCN | ✓ 6H15001 | JCS |
| | 2 | 2 | 0608248-09 | | ✓ | |
| | 3 | 3 | -11 | | ✓ | |
| | 4 | 4 | -10 | | ✓ | |
| | 5 | 5 | 0608251-01 | | | |
| | 6 | 6 | -02 | | | |
| | 7 | 7 | -03 | | | |
| 8/15/06 | 8 | 8 | BPH0162- TPH50 | 8100FCN | 6H15001 | JCS |
| | | | | | | |
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CONTROL NUMBER 60.0002-0602A

PAGE _____

ESS LABORATORY
GC2 Front RUN LOG

COLUMN DB5MS

| BATCH DATE | VIAL # | FILE # | LAB ID | METHOD | COMMENTS / DILUTION / STANDARD ID | ANALYST |
|---------------------------|--------|------------|--------------------------|---------|-----------------------------------|---------|
| 8/7/06 | 3 | 6007061-01 | BPHT016 (S011) TPH 10 | 8100FCM | 606713041 BPHT016(S011) | M |
| | 4 | -04 | TPH 100 | | 423 8/8/06 | |
| | 5 | -05 | TPH 150 | | 434 | |
| | 6 | -06 | TPH 200 | | 445 | |
| | 7 | -07 | BPHT016 TPH 55 | 8100FCM | 606713045 | M |
| | 8 | -08 | PL 60722-B14 | 8100FCM | PR | |
| | 9 | -09 | PL 60722-B14 | | | |
| | 10 | -10 | -B51 | | | |
| | 11 | -11 | 0608103-01 | | ✓ ND | |
| | 12 | -12 | -02 | | | |
| | 13 | -13 | -03 | | | |
| | 14 | -14 | -04 | | | |
| | 15 | -15 | 0608097-01 | | | |
| | 16 | -16 | 0608077-05 | | | |
| | 17 | -17 | 0608085-02 | | | |
| | 18 | -18 | -01 | | | |
| | 19 | -19 | 0608099-04 | | PR 10X | |
| | 20 | -20 | -05 | | PR 10X RP | |
| 8/8/06 | 21 | -21 | solvent | | | |
| 8/8/06 | 22 | -22 | TPH 50 | 8100FCM | run 2x HIGH | |
| ALL JCS 8/8/06 | | | | | | |

**ESS LABORATORY
GC2 Front RUN LOG**

COLUMN DB5MS

| BATCH DATE | VIAL # | FILE # | LAB ID | METHOD | COMMENTS / DILUTION / STANDARD ID | ANALYST |
|------------|--------|------------|--------------------------|----------|-----------------------------------|---------|
| 8/4/06 | 4 | 4 | BH 60332-PS1 | 8100FCM | ✓ | JCS |
| | 5 | 5 | -BS01 | | ✓ | |
| | 6 | 6 | 0608061-03 | | ✓ | |
| | 7 | 7 | -05 | | ✓ | |
| | 8 | 8 | -01 | | ✓ | |
| | 9 | 9 | 0608045-01 | | (RR 5x) | |
| | 10 | 10 | -01MS | | (RR 2x) 5x JCS 8/7/06 | |
| | 11 | 11 | -01MSD | | (RR 5x) | |
| | 12 | 12 | 0608058-01 | | ✓ | |
| | 13 | 13 | -02 | | ✓ | |
| | 14 | 14 | 0608061-02 | | ✓ | |
| | 15 | 15 | -04 | | ✓ | |
| | 16 | 16 | solvent | | | |
| | 17 | 17 | TPH 50 | | ✓ 6/10/04 | |
| | 18 | 18 | BH 60409-BK1 | | ✓ | |
| | 19 | 19 | -PS1 | | ✓ | |
| | 20 | 20 | -BS01 | | ✓ | |
| | 21 | 21 | 0608068-09 | | ✓ | |
| | 22 | 22 | -10 | | ✓ | |
| | 23 | 23 | -11 | | X10 ✓ | |
| | 24 | 24 | -12 | | X10 ✓ | |
| | 25 | 25 | -13 | | X10 ✓ | |
| | 26 | 26 | solvent | | | |
| | 27 | 27 | TPH 50 | | | |
| 8/4/06 | 27 | 27 | TPH 50 | 8100 FCM | ✓ 6/10/04 | JCS |
| 8/7/06 | 1 | 080706-01 | TPH 50 | | | N |
| | 2 | -02 | TPH 50 | | | |
| | 3 | 080706-03 | TPH 50 | | | |
| | 1 | 080706A-01 | TPH 50 | Dilution | | |
| 8/7/06 | 2 | -02 | BPH0161 (3011) TPH 50 | 8100 FCM | 6 G13042 BPH0163 (A0) | N |

CONTROL NUMBER 60.0002-0601A

PAGE _____

ESS Organic Preparation Logbook

Project #: 0608248, 0608251
0608234, 0608235
0608233, 0608228
 Prep Date: 8/14/06
 Batch ID: BH61404
 Extraction Method: 3541

Surrogate ID# NA Matrix Spike ID# Soil
 Analytical Matrix: Soil
 A CP939 D 692552 Extraction Time: NA
 B NA E NA Start: 6:30 AM
 C NA F NA Finish: NA

Split Extraction*
 * Half of the final extract volume (0.5ml) is exchanged into 5ml
 5ml hexane and transferred as Vol 1. The other half (0.5ml
 CH₂Cl₂) is transferred as Volume 2.

| ESS ID | Vol(ml)/ Wt.(g) | Surrogate (ul or ml) | Matrix Spike (ul or ml) | Extract Vol (ml) Hex/CH ₂ Cl ₂ | Transfer Vol #1 (ml) Hex/CH ₂ Cl ₂ | Transfer Vol #2 (ml) Hex/CH ₂ Cl ₂ | Transfer Date | Bath Temp (C) | pH | Discard to # | Comments | 1st Rvw Init. | Witness Init. | 2nd Rvw Init. | Analysis Performed |
|--------------|--------------------|-------------------------|-------------------------------|--|--|--|------------------|------------------|----|-----------------|----------|------------------|------------------|------------------|---|
| TX BH61404B | 20.0 | 1 | NA | 1 | 1 | NA | 8/14/06 | 40C | NA | NA | | | | | PCB <input type="checkbox"/> BIN SVOA <input type="checkbox"/> SVOA <input type="checkbox"/> LL PAH <input type="checkbox"/> PEST <input type="checkbox"/> TPH/GC <input type="checkbox"/> <input checked="" type="checkbox"/> BIS-2 <input type="checkbox"/> PAH <input type="checkbox"/> |
| TX BH61404B5 | 20.0 | 1 | 1 | 1 | 1 | NA | | | | | | | | | |
| TX BH61404B5 | 20.0 | 1 | 1 | 1 | 1 | NA | | | | | | | | | |
| 0608233-01 | 20.2 | 1 | NA | 1 | 1 | NA | | | | | | | | | |
| 0608228-01 | 20.0 | 1 | 1 | 1 | 1 | NA | | | | | | | | | |
| 0608234-01 | 20.4 | 1 | 1 | 1 | 1 | NA | | | | | | | | | |
| 0608235-01 | 20.3 | 1 | 1 | 1 | 1 | NA | | | | | | | | | |
| 01MSD 20.3 | 20.3 | 1 | 1 | 1 | 1 | NA | | | | | | | | | |
| 01MSD 20.4 | 20.4 | 1 | 1 | 1 | 1 | NA | 8/14/06 | 40C | NA | NA | | | | | |
| 0608235-02 | 20.5 | 1 | 1 | 1 | 1 | NA | | | | | | | | | |
| 0608248 09 | 20.8 | 1 | 1 | 1 | 1 | NA | | | | | | | | | |
| 70 | 19.8 | 1 | 1 | 1 | 1 | NA | 8/14/06 | 40 | NA | NA | | | | | |
| -11 | 19.8 | 1 | 1 | 1 | 1 | NA | | | | | | | | | |
| 0608251-01 | 20.4 | 1 | 1 | 1 | 1 | NA | | | | | | | | | |
| 02 | 20.1 | 1 | 1 | 1 | 1 | NA | | | | | | | | | |
| 03 | 19.5 | 1 | 1 | 1 | 1 | NA | 8/14/06 | 40 | NA | NA | | | | | |

Acid Washed: Y N
 H₂SO₄ ID# NA
 Cu Cleaned: Y N
 Cy ID# NA
 Silica Column/Carbon prep: Y N
 Lot # NA
 Prepared By: CPM Glasswool: PH072800B Method #(s): 8270
 CH₂Cl₂ lot # CP939 NaOH ID# NA
 Hexane lot# NA Na₂SO₄ ID# NA080300
 Acetone lot# NA
 BATCH ID/Test: BH61404
 Control #50.0001-0604A
 **Check off column if entire sample used and bottle discarded.

HOLDING TIME SUMMARY

8100M

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

| Sample Name | Date Collected | Date Received | Date Prepared | Days to Prep | Max Days to Prep | Date Analyzed | Days to Analysis | Max Days to Analysis | Q |
|-------------|-------------------|-------------------|-------------------|--------------|------------------|-------------------|------------------|----------------------|---|
| SS-SI70 B1 | 08/14/06 13:30 | 08/14/06 14:15 | 08/14/06 15:30 | 0.08 | 14.00 | 08/15/06 06:37 | 0.63 | 40.00 | |
| SS-SI77 B1 | 08/14/06 13:40 | 08/14/06 14:15 | 08/14/06 15:30 | 0.08 | 14.00 | 08/15/06 07:43 | 0.68 | 40.00 | |
| Vertex Fill | 08/14/06 14:00 | 08/14/06 14:15 | 08/14/06 15:30 | 0.06 | 14.00 | 08/15/06 07:08 | 0.65 | 40.00 | |

Semi-Volatile Organics Data Package

Semi-Volatile Organics Sample Data

ESS Laboratory

SDG: 0608248

CLASS: MSSVOA

METHOD: 8270C

ANALYSES DATA PACKAGE COVER PAGE

8270C

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Client Sample Id:

SS-SI70 B1

SS-SI77 B1

Lab Sample Id:

0608248-09

0608248-10

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures.

Signature: _____

Name: _____

Date: _____

Title: _____

METHOD DETECTION AND REPORTING LIMITS

8270C

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Solid

Instrument: SVOA-MS1

| Analyte | MDL | MRL | Units |
|------------------------------|-----|------|-------|
| 1,1-Biphenyl | 206 | 500 | ug/Kg |
| 1,2,4-Trichlorobenzene | 163 | 500 | ug/Kg |
| 1,2-Dichlorobenzene | 171 | 500 | ug/Kg |
| 1,3-Dichlorobenzene | 154 | 500 | ug/Kg |
| 1,4-Dichlorobenzene | 170 | 500 | ug/Kg |
| 2,3,4,6-Tetrachlorophenol | 145 | 2500 | ug/Kg |
| 2,4,5-Trichlorophenol | 173 | 500 | ug/Kg |
| 2,4,6-Trichlorophenol | 150 | 500 | ug/Kg |
| 2,4-Dichlorophenol | 178 | 500 | ug/Kg |
| 2,4-Dimethylphenol | 184 | 500 | ug/Kg |
| 2,4-Dinitrophenol | 332 | 2500 | ug/Kg |
| 2,4-Dinitrotoluene | 143 | 500 | ug/Kg |
| 2,6-Dinitrotoluene | 143 | 500 | ug/Kg |
| 2-Chloronaphthalene | 182 | 500 | ug/Kg |
| 2-Chlorophenol | 147 | 500 | ug/Kg |
| 2-Methylnaphthalene | 182 | 500 | ug/Kg |
| 2-Methylphenol | 168 | 500 | ug/Kg |
| 2-Nitroaniline | 173 | 500 | ug/Kg |
| 2-Nitrophenol | 175 | 500 | ug/Kg |
| 3,3'-Dichlorobenzidine | 114 | 500 | ug/Kg |
| 3+4-Methylphenol | 167 | 1000 | ug/Kg |
| 3-Nitroaniline | 151 | 500 | ug/Kg |
| 4,6-Dinitro-2-Methylphenol | 203 | 2500 | ug/Kg |
| 4-Bromophenyl-phenylether | 184 | 500 | ug/Kg |
| 4-Chloro-3-Methylphenol | 160 | 500 | ug/Kg |
| 4-Chloroaniline | 147 | 500 | ug/Kg |
| 4-Chloro-phenyl-phenyl ether | 181 | 500 | ug/Kg |
| 4-Nitroaniline | 134 | 500 | ug/Kg |
| 4-Nitrophenol | 135 | 2500 | ug/Kg |
| Acenaphthene | 176 | 500 | ug/Kg |
| Acenaphthylene | 137 | 500 | ug/Kg |
| Acetophenone | 162 | 500 | ug/Kg |
| Aniline | 122 | 500 | ug/Kg |
| Anthracene | 193 | 500 | ug/Kg |
| Azobenzene | 182 | 500 | ug/Kg |
| Benzo(a)anthracene | 149 | 500 | ug/Kg |
| Benzo(a)pyrene | 135 | 500 | ug/Kg |

METHOD DETECTION AND REPORTING LIMITS

8270C

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Solid

Instrument: SVOA-MS1

| Analyte | MDL | MRL | Units |
|-----------------------------|------|------|-------|
| Benzo(b)fluoranthene | 171 | 500 | ug/Kg |
| Benzo(g,h,i)perylene | 157 | 500 | ug/Kg |
| Benzo(k)fluoranthene | 147 | 500 | ug/Kg |
| Benzoic Acid | 250 | 2500 | ug/Kg |
| Benzyl Alcohol | 300 | 500 | ug/Kg |
| bis(2-Chloroethoxy)methane | 162 | 500 | ug/Kg |
| bis(2-Chloroethyl)ether | 167 | 500 | ug/Kg |
| bis(2-chloroisopropyl)Ether | 182 | 500 | ug/Kg |
| bis(2-Ethylhexyl)phthalate | 190 | 500 | ug/Kg |
| Butylbenzylphthalate | 174 | 500 | ug/Kg |
| Carbazole | 157 | 500 | ug/Kg |
| Chrysene | 156 | 500 | ug/Kg |
| Dibenzo(a,h)Anthracene | 135 | 500 | ug/Kg |
| Dibenzofuran | 171 | 500 | ug/Kg |
| Diethylphthalate | 170 | 500 | ug/Kg |
| Dimethylphthalate | 168 | 500 | ug/Kg |
| Di-n-butylphthalate | 166 | 500 | ug/Kg |
| Di-n-octylphthalate | 165 | 500 | ug/Kg |
| Fluoranthene | 174 | 500 | ug/Kg |
| Fluorene | 169 | 500 | ug/Kg |
| Hexachlorobenzene | 178 | 500 | ug/Kg |
| Hexachlorobutadiene | 174 | 500 | ug/Kg |
| Hexachlorocyclopentadiene | 94.0 | 2500 | ug/Kg |
| Hexachloroethane | 182 | 1000 | ug/Kg |
| Indeno(1,2,3-cd)Pyrene | 149 | 500 | ug/Kg |
| Isophorone | 167 | 500 | ug/Kg |
| Naphthalene | 148 | 500 | ug/Kg |
| Nitrobenzene | 155 | 500 | ug/Kg |
| N-Nitrosodimethylamine | 133 | 500 | ug/Kg |
| N-Nitroso-Di-n-Propylamine | 184 | 500 | ug/Kg |
| N-nitrosodiphenylamine | 141 | 500 | ug/Kg |
| Pentachlorophenol | 149 | 2500 | ug/Kg |
| Phenanthrene | 159 | 500 | ug/Kg |
| Phenol | 162 | 500 | ug/Kg |
| Pyrene | 167 | 500 | ug/Kg |
| Pyridine | 157 | 2500 | ug/Kg |

ORGANIC ANALYSIS DATA SHEET

8270C

SS-SI70 B1

| | | | |
|-------------|--|----------------|-------------------------------|
| Laboratory: | <u>ESS Laboratory</u> | SDG: | <u>0608248</u> |
| Client: | <u>MACTEC Engineering & Consulting, Inc.</u> | Project: | <u>Providence Gorham Site</u> |
| Matrix: | <u>Soil</u> | Laboratory ID: | <u>0608248-09</u> |
| Sampled: | <u>08/14/06 13:30</u> | Prepared: | <u>08/14/06 16:30</u> |
| Solids: | <u>93.00</u> | Preparation: | <u>3541</u> |
| Batch: | <u>BH61402</u> | Sequence: | <u>BPH0157</u> |
| | | Calibration: | <u>0608031</u> |
| | | Instrument: | <u>SVOA-MS1</u> |
| | | File ID: | <u>SV14127.D</u> |
| | | Analyzed: | <u>08/15/06 08:50</u> |
| | | Initial/Final: | <u>20.1 g / 1 ml</u> |

| CAS NO. | COMPOUND | DILUTION | CONC. (ug/Kg dry) | Q |
|-----------|------------------------------|----------|-------------------|---|
| 92-52-4 | 1,1-Biphenyl | 1 | 535 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1 | 535 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1 | 535 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1 | 535 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1 | 535 | U |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 1 | 2670 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 1 | 535 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 1 | 535 | U |
| 120-83-2 | 2,4-Dichlorophenol | 1 | 535 | U |
| 105-67-9 | 2,4-Dimethylphenol | 1 | 535 | U |
| 51-28-5 | 2,4-Dinitrophenol | 1 | 2670 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 1 | 535 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 1 | 535 | U |
| 91-58-7 | 2-Chloronaphthalene | 1 | 535 | U |
| 95-57-8 | 2-Chlorophenol | 1 | 535 | U |
| 91-57-6 | 2-Methylnaphthalene | 1 | 535 | U |
| 95-48-7 | 2-Methylphenol | 1 | 535 | U |
| 88-74-4 | 2-Nitroaniline | 1 | 535 | U |
| 88-75-5 | 2-Nitrophenol | 1 | 535 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 1 | 535 | U |
| 106-44-5 | 3+4-Methylphenol | 1 | 1070 | U |
| 99-09-2 | 3-Nitroaniline | 1 | 535 | U |
| 534-52-1 | 4,6-Dinitro-2-Methylphenol | 1 | 2670 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 1 | 535 | U |
| 59-50-7 | 4-Chloro-3-Methylphenol | 1 | 535 | U |
| 106-47-8 | 4-Chloroaniline | 1 | 535 | U |
| 7005-72-3 | 4-Chloro-phenyl-phenyl ether | 1 | 535 | U |
| 100-01-6 | 4-Nitroaniline | 1 | 535 | U |
| 100-02-7 | 4-Nitrophenol | 1 | 2670 | U |
| 83-32-9 | Acenaphthene | 1 | 535 | U |
| 208-96-8 | Acenaphthylene | 1 | 535 | U |
| 98-86-2 | Acetophenone | 1 | 535 | U |
| 62-53-3 | Aniline | 1 | 535 | U |
| 120-12-7 | Anthracene | 1 | 535 | U |
| 103-33-3 | Azobenzene | 1 | 535 | U |
| 56-55-3 | Benzo(a)anthracene | 1 | 192 | J |
| 50-32-8 | Benzo(a)pyrene | 1 | 371 | J |
| 205-99-2 | Benzo(b)fluoranthene | 1 | 552 | |
| 191-24-2 | Benzo(g,h,i)perylene | 1 | 221 | J |
| 207-08-9 | Benzo(k)fluoranthene | 1 | 535 | U |

ORGANIC ANALYSIS DATA SHEET

8270C

SS-SI70 B1

| | | | |
|-------------|--|----------------|-------------------------------|
| Laboratory: | <u>ESS Laboratory</u> | SDG: | <u>0608248</u> |
| Client: | <u>MACTEC Engineering & Consulting, Inc.</u> | Project: | <u>Providence Gorham Site</u> |
| Matrix: | <u>Soil</u> | Laboratory ID: | <u>0608248-09</u> |
| Sampled: | <u>08/14/06 13:30</u> | Prepared: | <u>08/14/06 16:30</u> |
| Solids: | <u>93.00</u> | Preparation: | <u>3541</u> |
| Batch: | <u>BH61402</u> | Sequence: | <u>BPH0157</u> |
| | | Calibration: | <u>0608031</u> |
| | | Instrument: | <u>SVOA-MS1</u> |
| | | File ID: | <u>SV14127.D</u> |
| | | Analyzed: | <u>08/15/06 08:50</u> |
| | | Initial/Final: | <u>20.1 g / 1 ml</u> |

| CAS NO. | COMPOUND | DILUTION | CONC. (ug/Kg dry) | Q |
|------------|-----------------------------|----------|-------------------|---|
| 65-85-0 | Benzoic Acid | 1 | 2670 | U |
| 100-51-6 | Benzyl Alcohol | 1 | 535 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 1 | 535 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 1 | 535 | U |
| 39638-32-9 | bis(2-chloroisopropyl)Ether | 1 | 535 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 1 | 535 | U |
| 85-68-7 | Butylbenzylphthalate | 1 | 535 | U |
| 86-74-8 | Carbazole | 1 | 535 | U |
| 218-01-9 | Chrysene | 1 | 201 | J |
| 53-70-3 | Dibenzo(a,h)Anthracene | 1 | 173 | J |
| 132-64-9 | Dibenzofuran | 1 | 535 | U |
| 84-66-2 | Diethylphthalate | 1 | 535 | U |
| 131-11-3 | Dimethylphthalate | 1 | 535 | U |
| 84-74-2 | Di-n-butylphthalate | 1 | 535 | U |
| 117-84-0 | Di-n-octylphthalate | 1 | 535 | U |
| 206-44-0 | Fluoranthene | 1 | 397 | J |
| 86-73-7 | Fluorene | 1 | 535 | U |
| 118-74-1 | Hexachlorobenzene | 1 | 535 | U |
| 87-68-3 | Hexachlorobutadiene | 1 | 535 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 1 | 2670 | U |
| 67-72-1 | Hexachloroethane | 1 | 1070 | U |
| 193-39-5 | Indeno(1,2,3-cd)Pyrene | 1 | 242 | J |
| 78-59-1 | Isophorone | 1 | 535 | U |
| 91-20-3 | Naphthalene | 1 | 535 | U |
| 98-95-3 | Nitrobenzene | 1 | 535 | U |
| 62-75-9 | N-Nitrosodimethylamine | 1 | 535 | U |
| 621-64-7 | N-Nitroso-Di-n-Propylamine | 1 | 535 | U |
| 86-30-6 | N-nitrosodiphenylamine | 1 | 535 | U |
| 87-86-5 | Pentachlorophenol | 1 | 2670 | U |
| 85-01-8 | Phenanthrene | 1 | 246 | J |
| 108-95-2 | Phenol | 1 | 535 | U |
| 129-00-0 | Pyrene | 1 | 368 | J |
| 110-86-1 | Pyridine | 1 | 2670 | U |

| SYSTEM MONITORING COMPOUND | ADDED (ug/Kg dry) | CONC (ug/Kg dry) | % REC | QC LIMITS | Q |
|----------------------------|-------------------|------------------|-------|-----------|---|
| 1,2-Dichlorobenzene-d4 | 5350 | 3670 | 69 | 30 - 130 | |
| 2,4,6-Tribromophenol | 8020 | 5180 | 65 | 30 - 130 | |
| 2-Chlorophenol-d4 | 8020 | 5440 | 68 | 30 - 130 | |
| 2-Fluorobiphenyl | 5350 | 3990 | 75 | 30 - 130 | |
| 2-Fluorophenol | 8020 | 5370 | 67 | 30 - 130 | |

ORGANIC ANALYSIS DATA SHEET

8270C

SS-SI70 B1

| | | | |
|-------------|--|----------------|-------------------------------|
| Laboratory: | <u>ESS Laboratory</u> | SDG: | <u>0608248</u> |
| Client: | <u>MACTEC Engineering & Consulting, Inc.</u> | Project: | <u>Providence Gorham Site</u> |
| Matrix: | <u>Soil</u> | Laboratory ID: | <u>0608248-09</u> |
| Sampled: | <u>08/14/06 13:30</u> | Prepared: | <u>08/14/06 16:30</u> |
| Solids: | <u>93.00</u> | Preparation: | <u>3541</u> |
| Batch: | <u>BH61402</u> | Sequence: | <u>BPH0157</u> |
| | | Calibration: | <u>0608031</u> |
| | | Instrument: | <u>SVOA-MS1</u> |
| | | File ID: | <u>SV14127.D</u> |
| | | Analyzed: | <u>08/15/06 08:50</u> |
| | | Initial/Final: | <u>20.1 g / 1 ml</u> |

| SYSTEM MONITORING COMPOUND | ADDED (ug/Kg dry) | CONC (ug/Kg dry) | % REC | QC LIMITS | Q |
|----------------------------|-------------------|------------------|-------|-----------|---|
| Nitrobenzene-d5 | 5350 | 3780 | 71 | 30 - 130 | |
| Phenol-d6 | 8020 | 5530 | 69 | 30 - 130 | |
| p-Terphenyl-d14 | 5350 | 4200 | 79 | 30 - 130 | |

| INTERNAL STANDARD | AREA | RT | REF AREA | REF RT | Q |
|------------------------|---------|-------|----------|--------|---|
| 1,4-Dichlorobenzene-d4 | 835469 | 4.32 | 947502 | 4.33 | |
| Naphthalene-d8 | 3117354 | 5.76 | 3696756 | 5.77 | |
| Acenaphthene-d10 | 1521857 | 8.33 | 1745422 | 8.34 | |
| Phenanthrene-d10 | 2436492 | 10.97 | 2733158 | 10.99 | |
| Chrysene-d12 | 2172112 | 16.2 | 2685192 | 16.22 | |
| Perylene-d12 | 2103763 | 18.85 | 2488306 | 18.87 | |

* Values outside of QC limits

Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\MD081506\SV14127.D
 Acq On : 15 Aug 106 8:50 am
 Sample : 0608248-09
 Misc :
 Quant Time: Aug 15 16:47 19106

Vial: 3
 Operator: JLS
 Inst : SVOA-MS1
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
 Title : ELEMENT ID: 0607036(SOIL) 0607037(AQUEOUS)
 Last Update : Tue Aug 15 16:43:52 2006
 Response via : Multiple Level Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------|-------|------|----------|--------|-----------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 4.32 | 152 | 835469 | 40.00 | ng/uL | 0.00 |
| 22) Naphthalene-d8 | 5.76 | 136 | 3117354 | 40.00 | ng/uL | 0.00 |
| 38) Acenaphthene-d10 | 8.33 | 164 | 1521857 | 40.00 | ng/uL | -0.02 |
| 59) Phenanthrene-d10 | 10.97 | 188 | 2436492 | 40.00 | ng/uL | -0.02 |
| 74) Chrysene-d12 | 16.20 | 240 | 2172112 | 40.00 | ng/uL | -0.02 |
| 82) Perylene-d12 | 18.85 | 264 | 2103763 | 40.00 | ng/uL | -0.02 |
| System Monitoring Compounds | | | | | | |
| | | | | | %Recovery | |
| 4) 2-Fluorophenol (SURR) | 2.82 | 112 | 3149121 | 100.39 | ng/uL | 66.93% |
| 6) Phenol-d5 (SURR) | 4.03 | 99 | 4124816 | 103.29 | ng/uL | 68.86% |
| 10) 2-Chlorophenol-d4 (SURR) | 4.12 | 132 | 3140467 | 101.63 | ng/uL | 67.75% |
| 13) 1,2 Dichlorobenzene-d4 (SUR) | 4.53 | 152 | 1247917 | 68.65 | ng/uL | 68.65% |
| 23) Nitrobenzene-d5 (SURR) | 4.96 | 82 | 2018547 | 70.70 | ng/uL | 70.70% |
| 42) 2-Fluorobiphenyl (SURR) | 7.26 | 172 | 3725345 | 74.53 | ng/uL | 74.53% |
| 64) 2,4,6-Tribromophenol (SURR) | 9.74 | 330 | 946156 | 96.83 | ng/uL | 64.56% |
| 76) Terphenyl-d14 (SURR) | 14.18 | 244 | 3627269 | 78.47 | ng/uL | 78.47% |
| Target Compounds | | | | | | |
| | | | | | Qvalue | |
| 68) Phenanthrene | 11.01 | 178 | 333251 | 4.60 | ng/uL | 100 |
| 69) Anthracene | 11.09 | 178 | 83792 | 1.17 | ng/uL | 94 |
| 72) Fluoranthene | 13.33 | 202 | 529184 | 7.43 | ng/uL | 98 |
| 75) Pyrene | 13.75 | 202 | 478909 | 6.87 | ng/uLm | 84 |
| 79) Benzo(a)anthracene | 16.16 | 228 | 243756 | 3.59 | ng/uL | 97 |
| 80) Chrysene | 16.24 | 228 | 228213 | 3.76 | ng/uL | 96 |
| 81) bis(2-Ethylhexyl)phthalate | 16.49 | 149 | 22713 | 1.34 | ng/uL | 97 |
| 84) Benzo(b)fluoranthene | 18.19 | 252 | 191412 | 10.32 | ng/uLm | 98 |
| 86) Benzo(a)pyrene | 18.73 | 252 | 229366 | 6.94 | ng/uL | 96 |
| 87) Indeno(1,2,3-Cd) Pyrene | 20.49 | 276 | 165236 | 4.53 | ng/uL | 86 |
| 88) Dibenzo(a,h)Anthracene | 20.52 | 278 | 42961 | 3.24 | ng/uLm | 91 |
| 89) Benzo(g,h,i)perylene | 20.88 | 276 | 155307 | 4.14 | ng/uL | 97 |

✓
 8/15/06

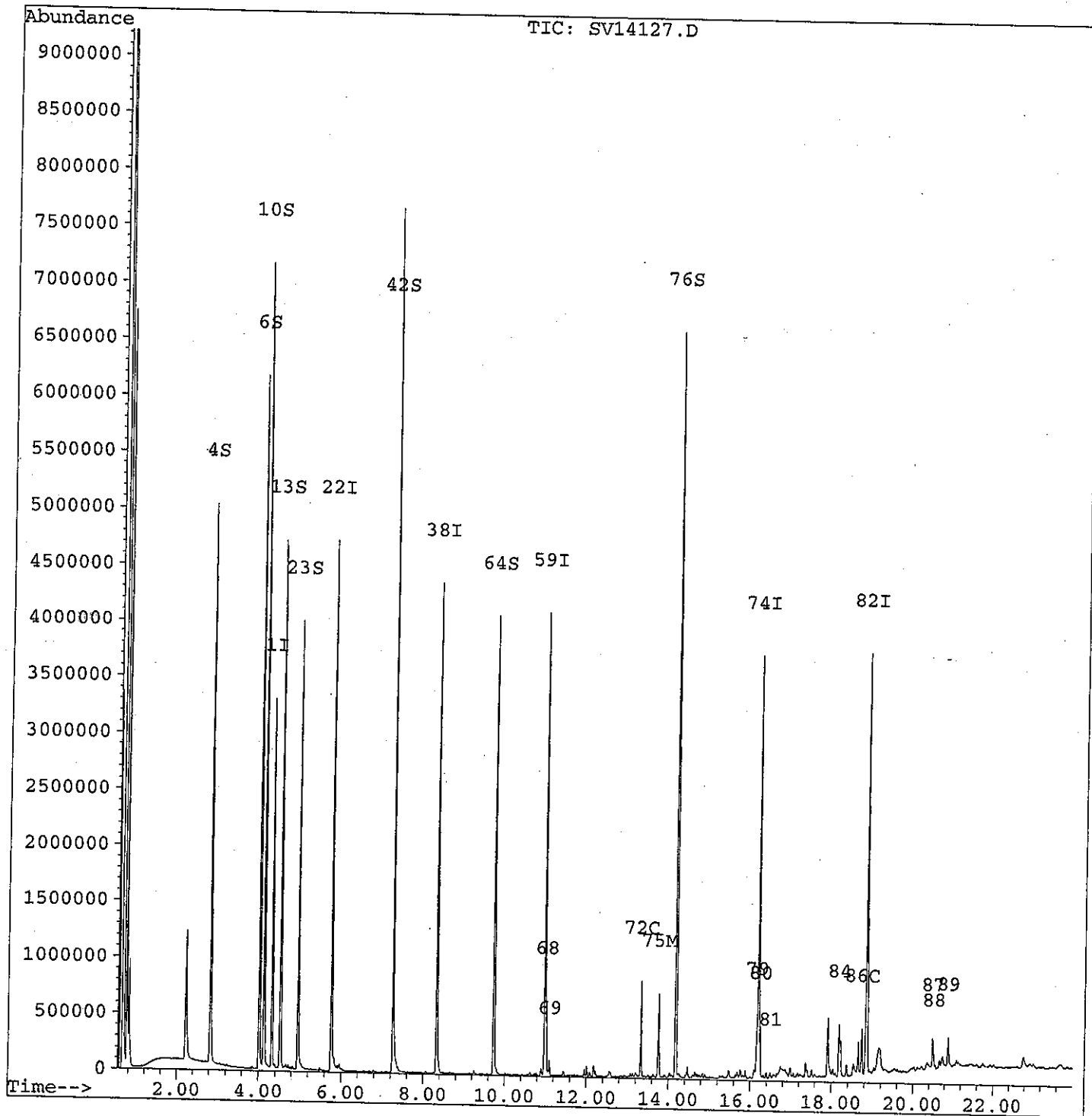
(#) = qualifier out of range (m) = manual integration
 SV14127.D SV1NJ.M Tue Aug 15 16:47:40 2006

Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\MD081506\SV14127.D
Acq On : 15 Aug 106 8:50 am
Sample : 0608248-09
Misc :
Quant Time: Aug 15 16:47 19106

Vial: 3
Operator: JLS
Inst : SVOA-MS1
Multiplr: 1.00

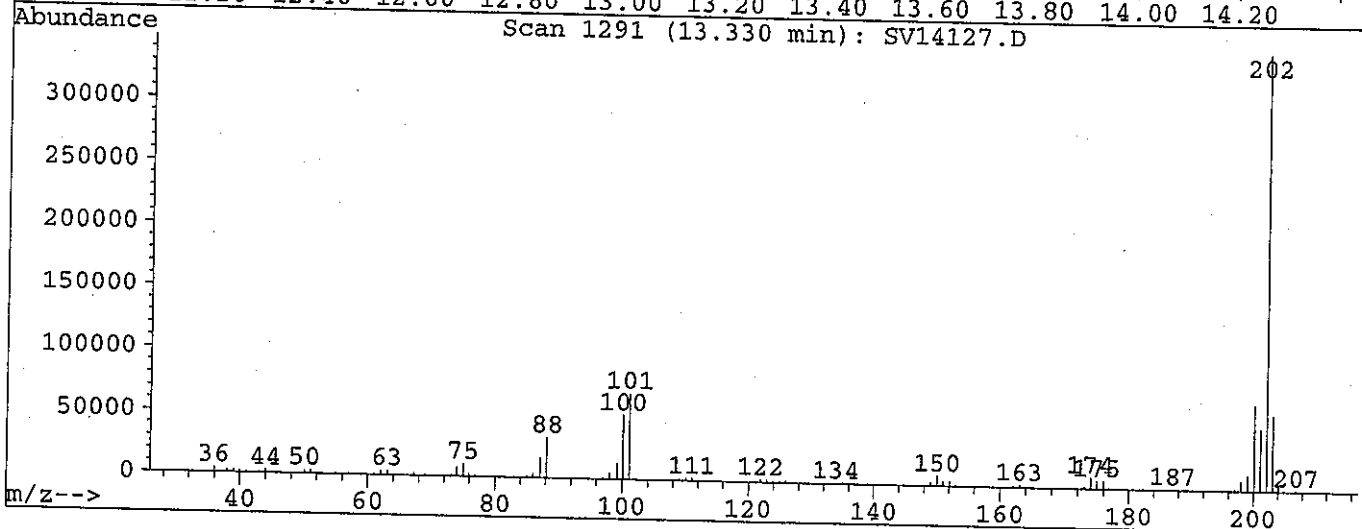
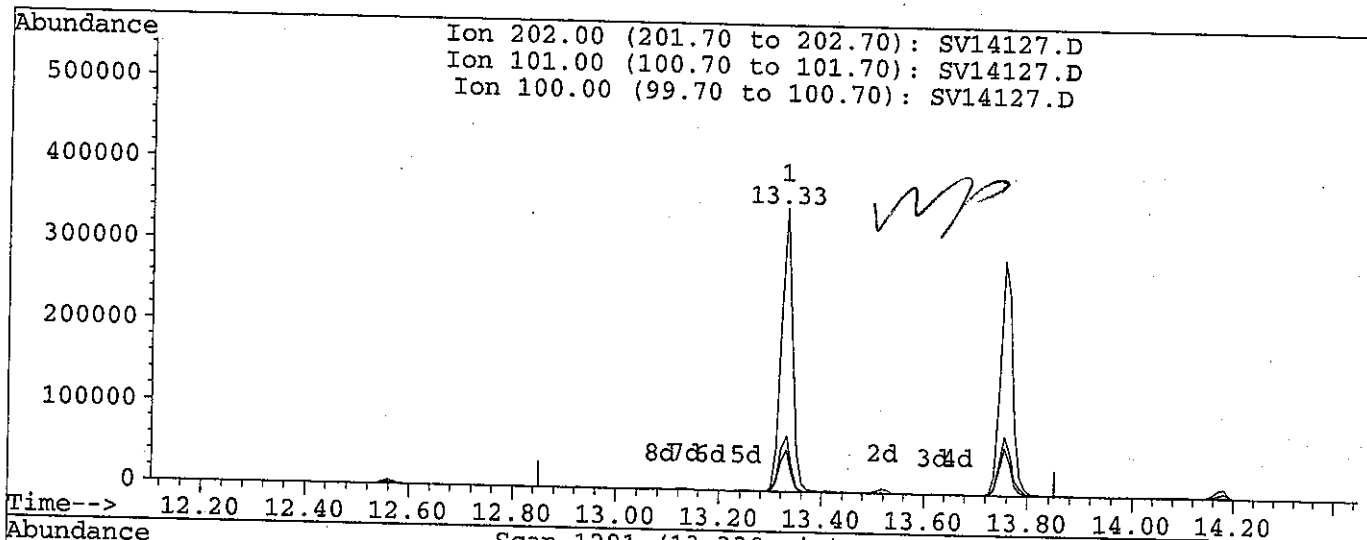
Method : C:\HPCHEM\1\METHODS\SV1NJ.M
Title : ELEMENT ID: 0607036(SOIL) 0607037(AQUEOUS)
Last Update : Tue Aug 15 16:43:52 2006
Response via : Multiple Level Calibration



Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\MD081506\SV14127.D Vial: 3
 Acq On : 15 Aug 106 8:50 am Operator: JLS
 Sample : 0608248-09 Inst : SVOA-MS1
 Misc : Multiplr: 1.00
 Quant Time: Aug 15 9:44 19106

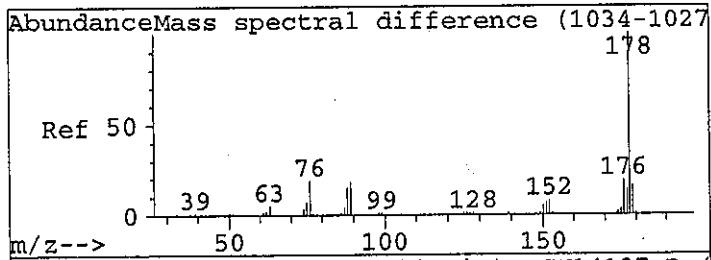
Method : C:\HPCHEM\1\METHODS\SV1NJ.M
 Title : ELEMENT ID: 0607036(SOIL) 0607037(AQUEOUS)
 Last Update : Tue Aug 15 16:43:52 2006
 Response via : Multiple Level Calibration



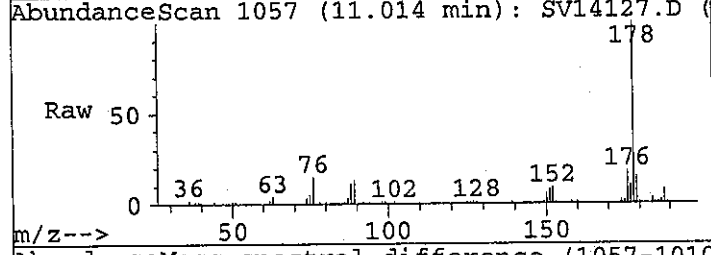
TIC: SV14127.D

(75) Pyrene (M)
 13.33min 7.59ng/uL
 response 529184

| Ion | Exp% | Act% |
|--------|-------|-------|
| 202.00 | 100 | 100 |
| 101.00 | 28.20 | 19.71 |
| 100.00 | 22.20 | 14.77 |
| 0.00 | 0.00 | 0.00 |

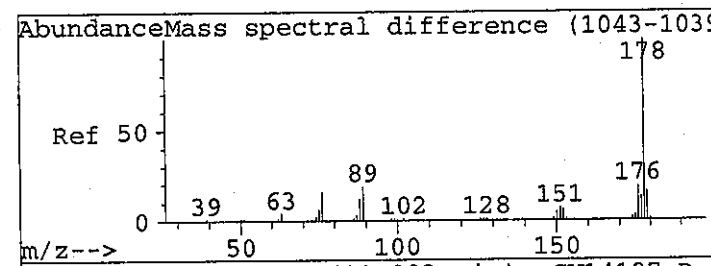
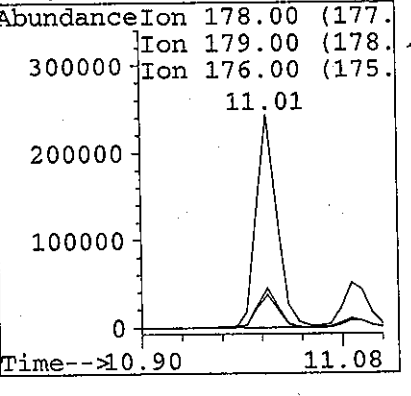
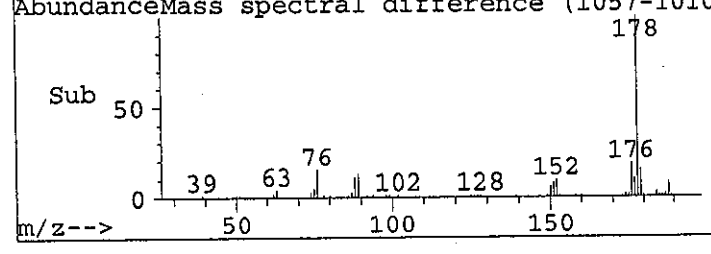


#68
 Phenanthrene
 Concen: 4.60 ng/uL
 RT: 11.01 min Scan# 1057
 Delta R.T. -0.03 min
 Lab File: SV14127.D
 Acq: 15 Aug 106 8:50 am

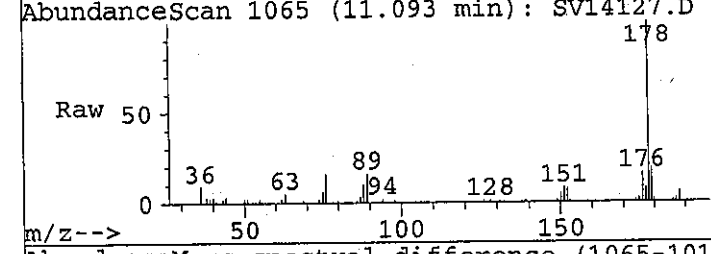


Tgt Ion:178 Resp: 333251

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100 | | |
| 179 | 15.2 | 0.0 | 45.2 |
| 176 | 18.2 | 0.0 | 48.3 |
| 0 | 0.0 | 0.0 | 0.0 |

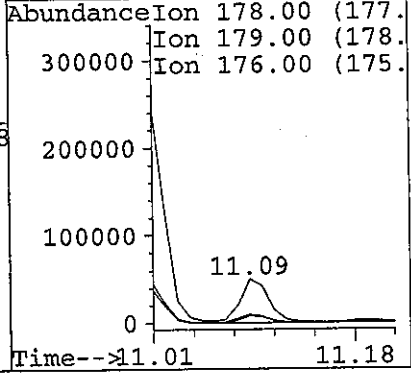
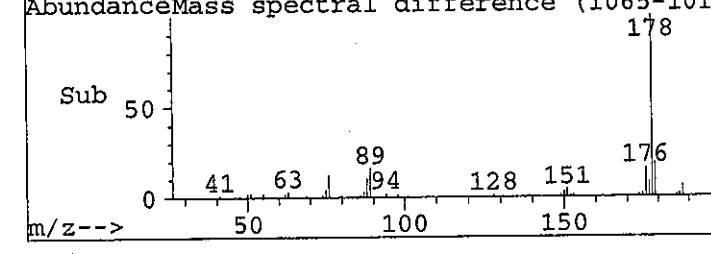


#69
 Anthracene
 Concen: 1.17 ng/uL
 RT: 11.09 min Scan# 1065
 Delta R.T. -0.03 min
 Lab File: SV14127.D
 Acq: 15 Aug 106 8:50 am

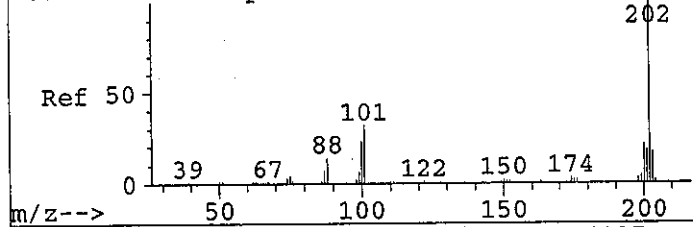


Tgt Ion:178 Resp: 83792

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100 | | |
| 179 | 19.3 | 0.0 | 45.5 |
| 176 | 16.4 | 0.0 | 48.0 |
| 0 | 0.0 | 0.0 | 0.0 |



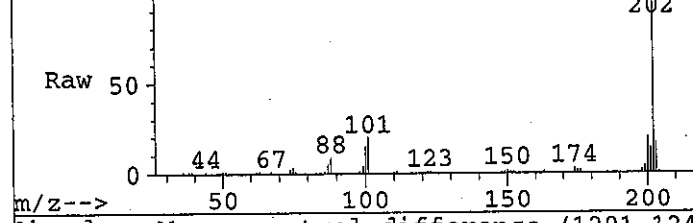
AbundanceMass spectral difference (1269-1264)



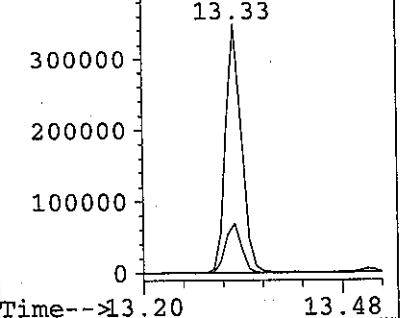
#72
 Fluoranthene
 Concen: 7.43 ng/uL
 RT: 13.33 min Scan# 1291
 Delta R.T. -0.02 min
 Lab File: SV14127.D
 Acq: 15 Aug 106 8:50 am

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 202 | 100 | | |
| 101 | 19.7 | 0.0 | 50.7 |
| 0 | 0.0 | 0.0 | 0.0 |
| 0 | 0.0 | 0.0 | 0.0 |

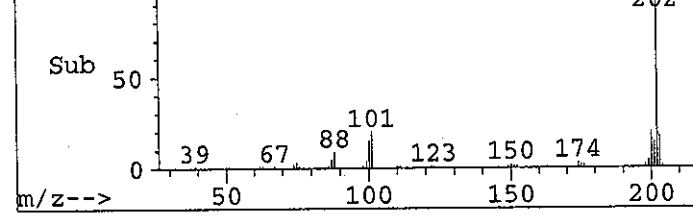
AbundanceScan 1291 (13.330 min): SV14127.D



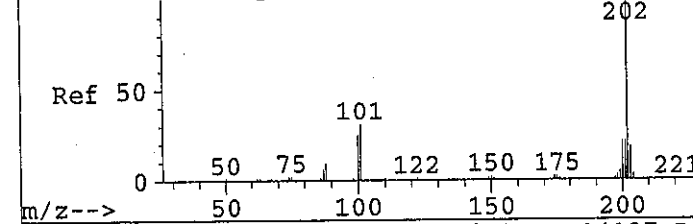
AbundanceIon 202.00 (201.00)



AbundanceMass spectral difference (1291-1242)



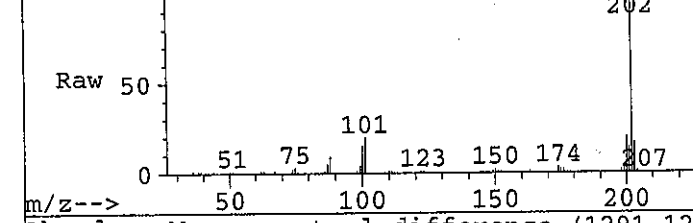
AbundanceMass spectral difference (1314-1305)



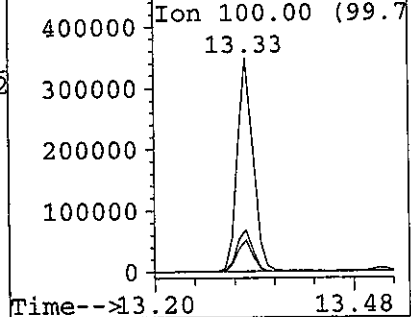
#75
 Pyrene
 Concen: 7.59 ng/uL
 RT: 13.33 min Scan# 1291
 Delta R.T. -0.02 min
 Lab File: SV14127.D
 Acq: 15 Aug 106 8:50 am

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 202 | 100 | | |
| 101 | 19.7 | 0.0 | 58.2 |
| 100 | 14.8 | 0.0 | 52.2 |
| 0 | 0.0 | 0.0 | 0.0 |

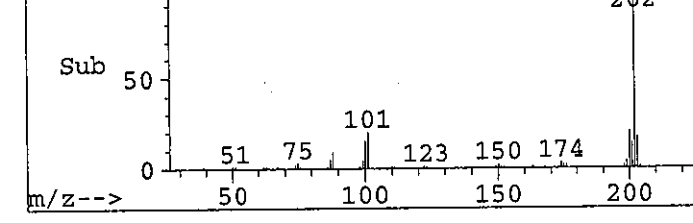
AbundanceScan 1291 (13.330 min): SV14127.D

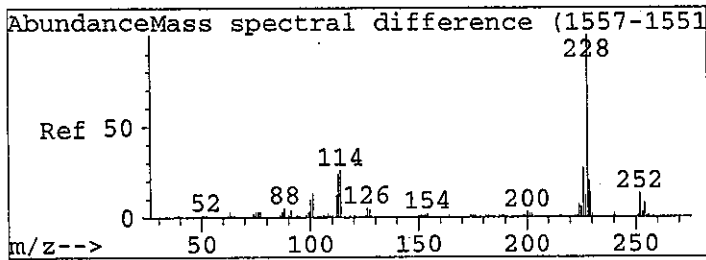


AbundanceIon 202.00 (201.00)

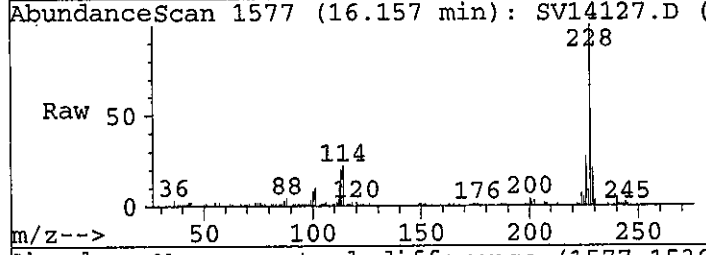


AbundanceMass spectral difference (1291-1242)



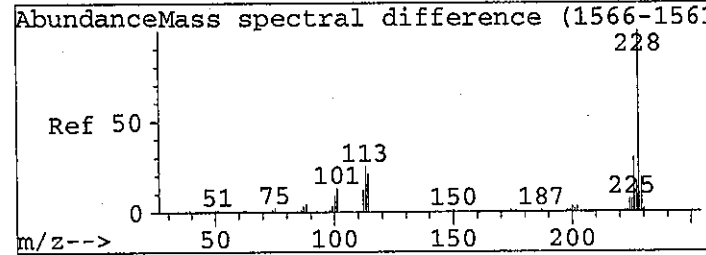
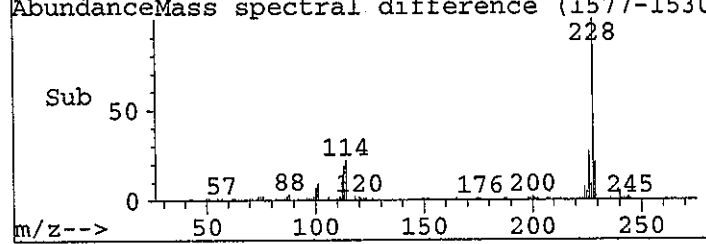
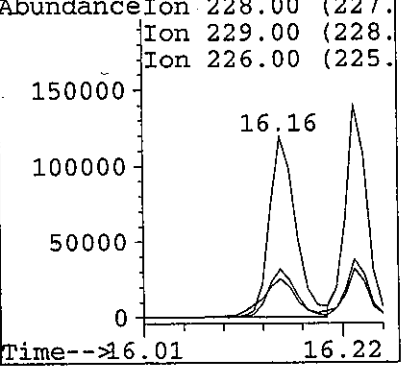


#79
 Benzo(a)anthracene
 Concen: 3.59 ng/uL
 RT: 16.16 min Scan# 1577
 Delta R.T. -0.03 min
 Lab File: SV14127.D
 Acq: 15 Aug 106 8:50 am

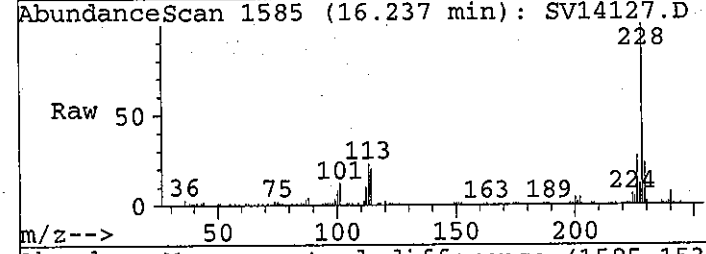


Tgt Ion:228 Resp: 243756

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100 | | |
| 229 | 21.3 | 0.0 | 49.6 |
| 226 | 26.6 | 0.0 | 55.5 |
| 0 | 0.0 | 0.0 | 0.0 |

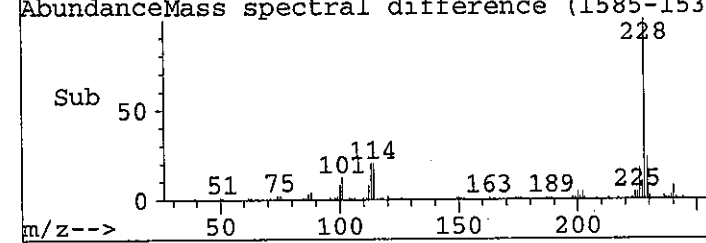
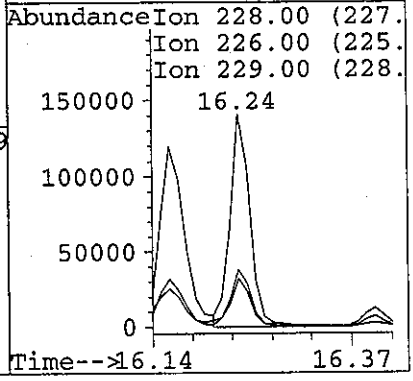


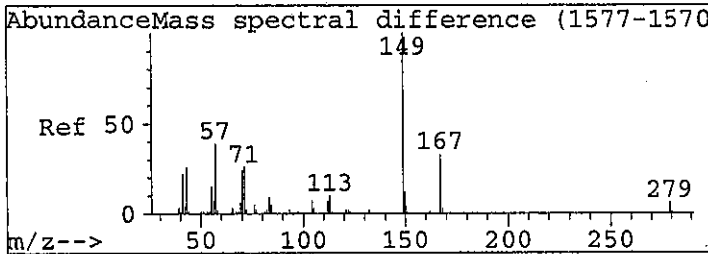
#80
 Chrysene
 Concen: 3.76 ng/uL
 RT: 16.24 min Scan# 1585
 Delta R.T. -0.04 min
 Lab File: SV14127.D
 Acq: 15 Aug 106 8:50 am



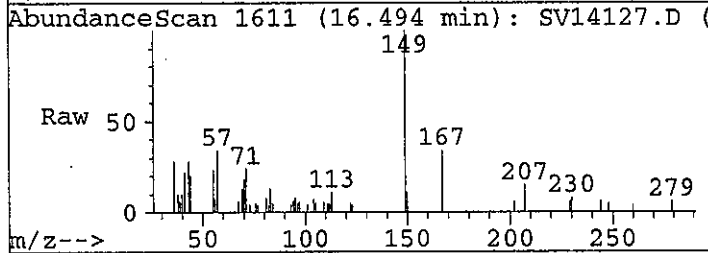
Tgt Ion:228 Resp: 228213

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100 | | |
| 226 | 27.2 | 0.0 | 57.8 |
| 229 | 22.9 | 0.0 | 49.7 |
| 0 | 0.0 | 0.0 | 0.0 |



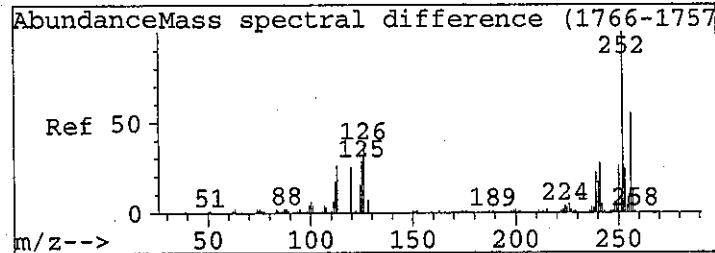
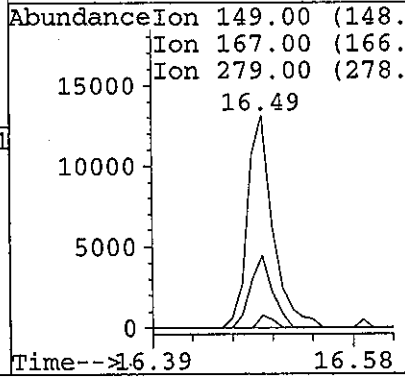
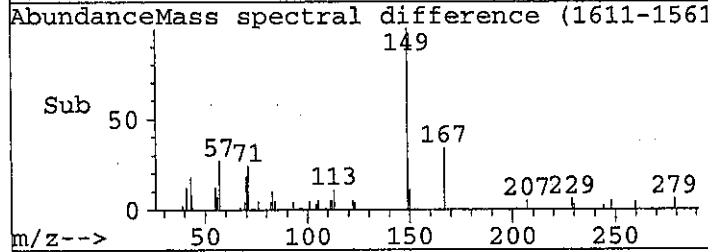


#81
 bis(2-Ethylhexyl)phthalate
 Concen: 1.34 ng/uL
 RT: 16.49 min Scan# 1611
 Delta R.T. -0.01 min
 Lab File: SV14127.D
 Acq: 15 Aug 106 8:50 am

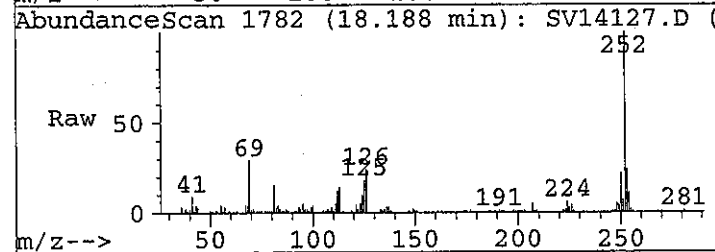


Tgt Ion:149 Resp: 22713

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100 | | |
| 167 | 33.7 | 1.5 | 61.5 |
| 279 | 5.9 | 0.0 | 36.1 |
| 0 | 0.0 | 0.0 | 0.0 |

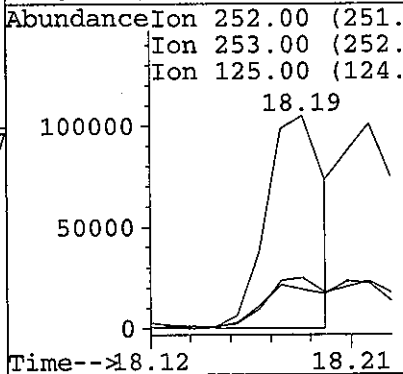
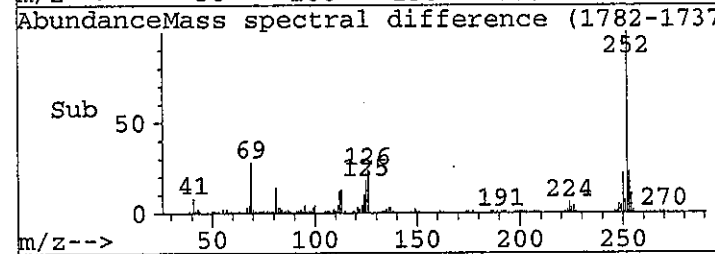


#84
 Benzo(b)fluoranthene
 Concen: 10.32 ng/uL m
 RT: 18.19 min Scan# 1782
 Delta R.T. -0.06 min
 Lab File: SV14127.D
 Acq: 15 Aug 106 8:50 am

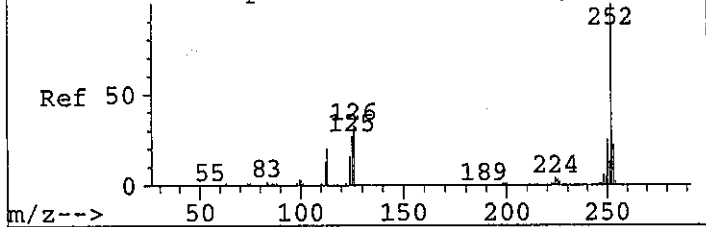


Tgt Ion:252 Resp: 191412

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100 | | |
| 253 | 24.0 | 0.0 | 52.2 |
| 125 | 18.4 | 0.0 | 53.0 |
| 0 | 0.0 | 0.0 | 0.0 |



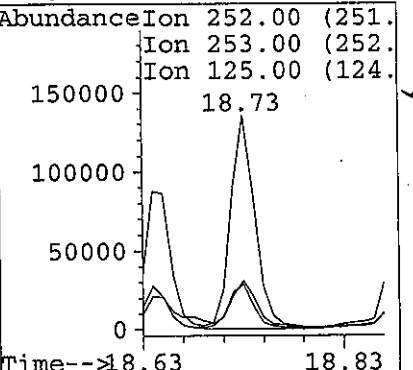
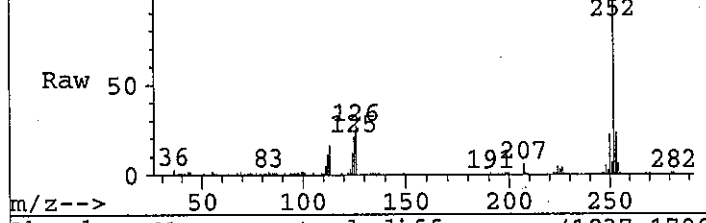
AbundanceMass spectral difference (1821-1815



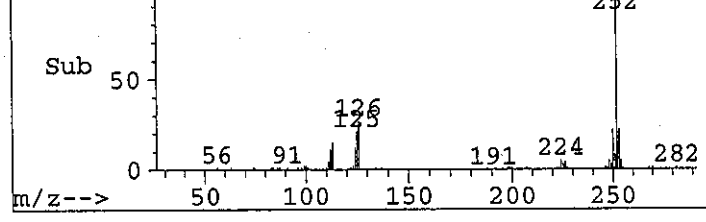
#86
 Benzo(a)pyrene
 Concen: 6.94 ng/uL
 RT: 18.73 min Scan# 1837
 Delta R.T. -0.03 min
 Lab File: SV14127.D
 Acq: 15 Aug 106 8:50 am

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 252 | 100 | | |
| 253 | 22.9 | 0.0 | 51.7 |
| 125 | 21.2 | 0.0 | 53.6 |
| 0 | 0.0 | 0.0 | 0.0 |

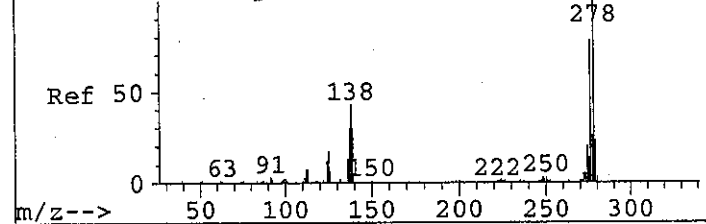
AbundanceScan 1837 (18.733 min): SV14127.D



AbundanceMass spectral difference (1837-1790



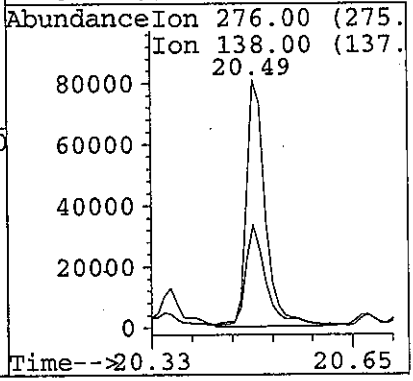
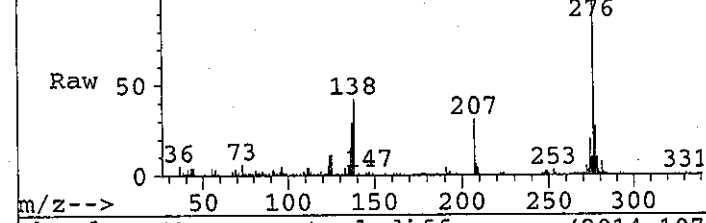
AbundanceMass spectral difference (2005-1998



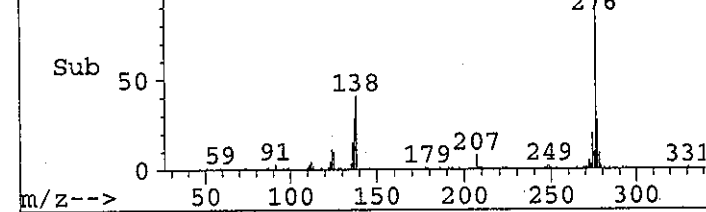
#87
 Indeno(1,2,3-Cd)Pyrene
 Concen: 4.53 ng/uL
 RT: 20.49 min Scan# 2014
 Delta R.T. -0.06 min
 Lab File: SV14127.D
 Acq: 15 Aug 106 8:50 am

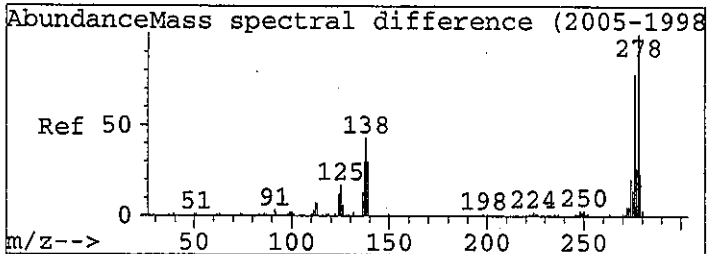
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 276 | 100 | | |
| 138 | 41.7 | 21.5 | 81.5 |
| 0 | 0.0 | 0.0 | 0.0 |
| 0 | 0.0 | 0.0 | 0.0 |

AbundanceScan 2014 (20.491 min): SV14127.D

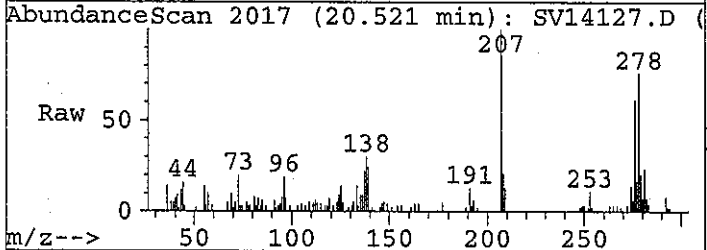


AbundanceMass spectral difference (2014-1970



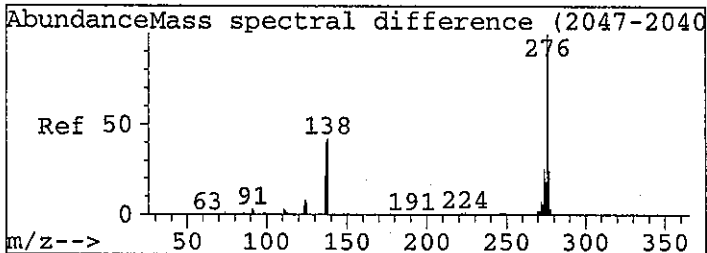
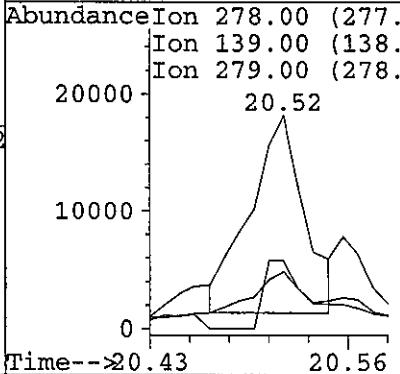
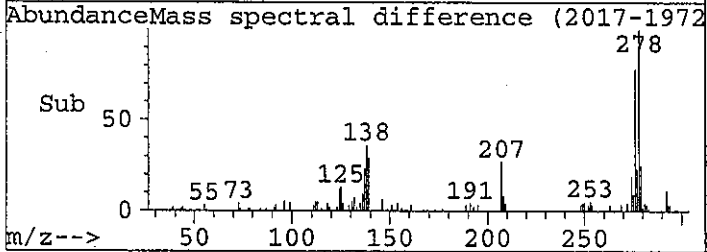


#88
 Dibenzo(a,h)Anthracene
 Concen: 3.24 ng/uL m
 RT: 20.52 min Scan# 2017
 Delta R.T. -0.06 min
 Lab File: SV14127.D
 Acq: 15 Aug 106 8:50 am

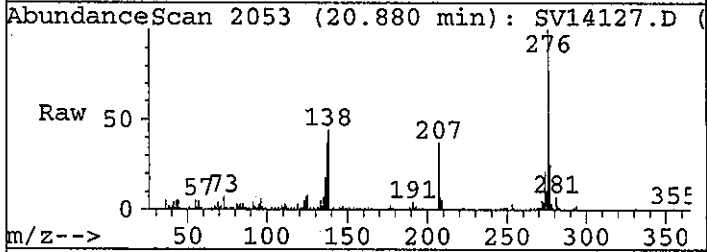


Tgt Ion:278 Resp: 42961

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 278 | 100 | | |
| 139 | 31.9 | 10.9 | 70.9 |
| 279 | 26.9 | 0.0 | 53.9 |
| 0 | 0.0 | 0.0 | 0.0 |

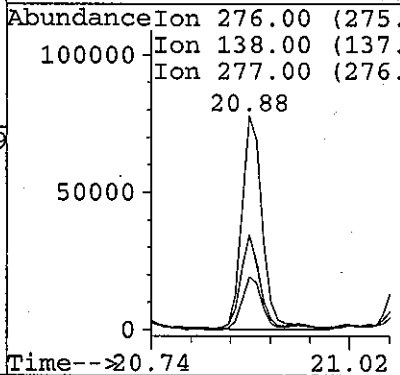
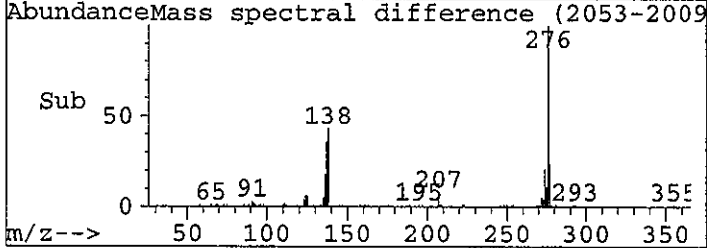


#89
 Benzo(g,h,i)perylene
 Concen: 4.14 ng/uL
 RT: 20.88 min Scan# 2053
 Delta R.T. -0.06 min
 Lab File: SV14127.D
 Acq: 15 Aug 106 8:50 am



Tgt Ion:276 Resp: 155307

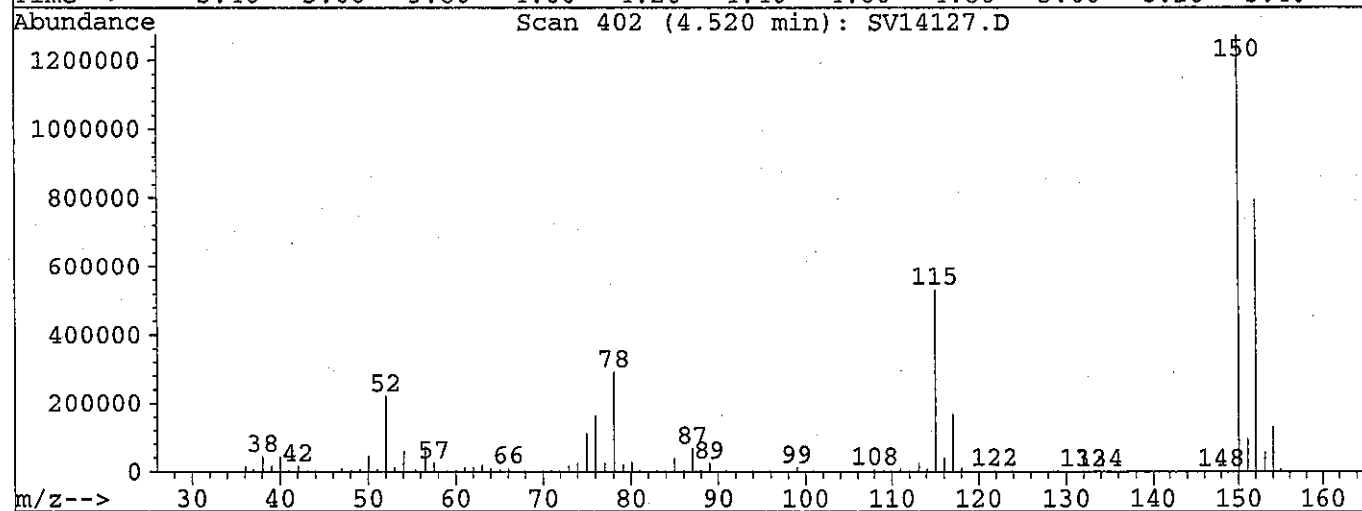
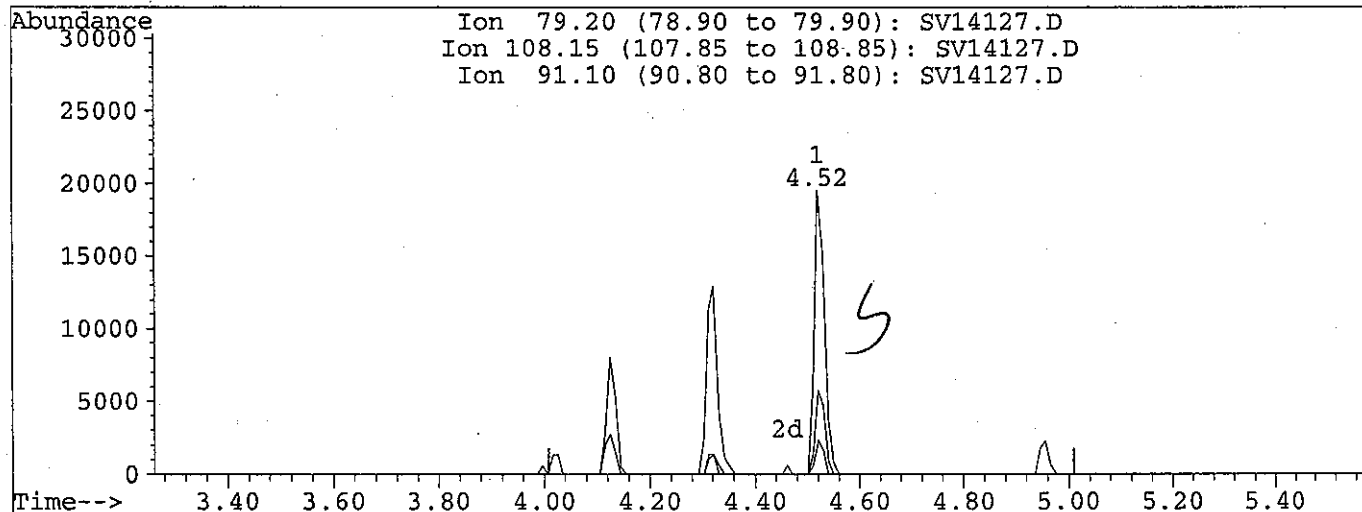
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100 | | |
| 138 | 44.4 | 16.8 | 76.8 |
| 277 | 24.9 | 0.0 | 53.5 |
| 0 | 0.0 | 0.0 | 0.0 |



Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\MD081506\SV14127.D Vial: 3
 Acq On : 15 Aug 106 8:50 am Operator: JLS
 Sample : 0608248-09 Inst : SVOA-MS1
 Misc : Multiplr: 1.00
 Quant Time: Aug 15 9:42 19106

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
 Title : ELEMENT ID: 0607036(SOIL) 0607037(AQUEOUS)
 Last Update : Tue Aug 15 09:42:45 2006
 Response via : Multiple Level Calibration



TIC: SV14127.D

(15) Benzyl Alcohol

4.52min 1.17ng/ul

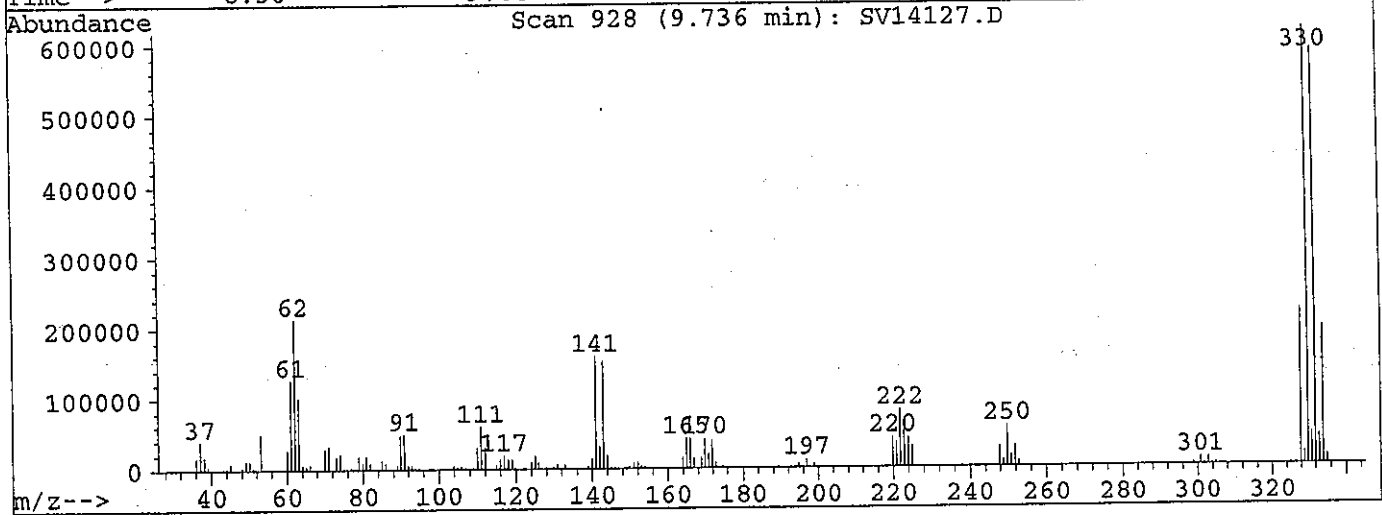
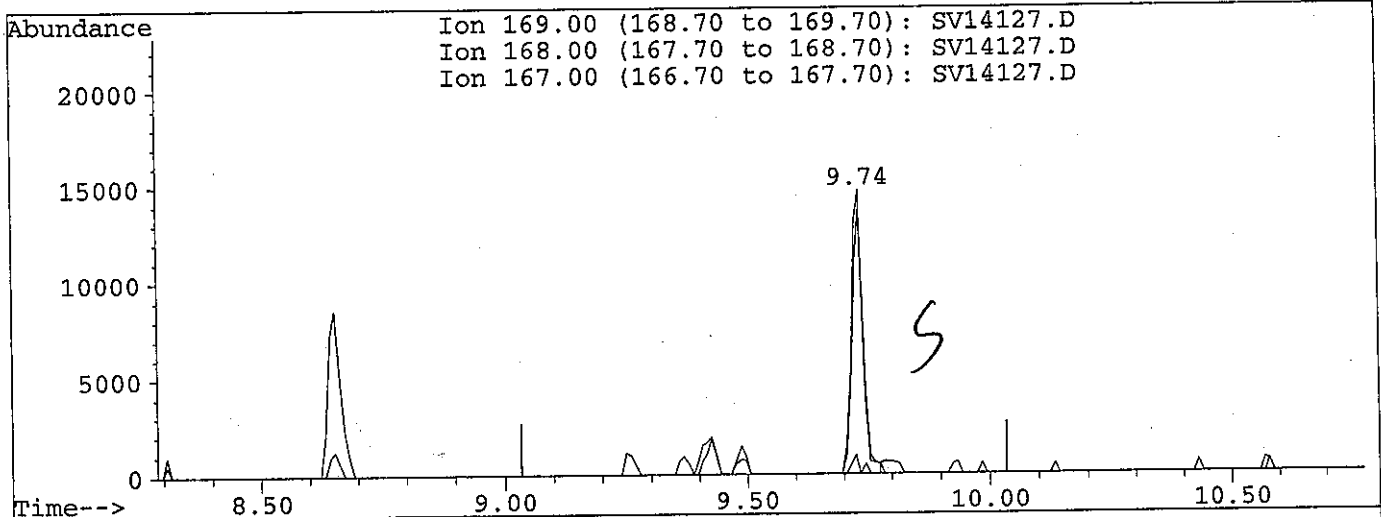
response 26852

| Ion | Exp% | Act% |
|--------|-------|--------|
| 79.20 | 100 | 100 |
| 108.15 | 83.40 | 29.55# |
| 91.10 | 15.00 | 11.90 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\MD081506\SV14127.D Vial: 3
 Acq On : 15 Aug 106 8:50 am Operator: JLS
 Sample : 0608248-09 Inst : SVOA-MS1
 Misc : Multiplr: 1.00
 Quant Time: Aug 15 9:43 19106

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
 Title : ELEMENT ID: 0607036(SOIL) 0607037(AQUEOUS)
 Last Update : Tue Aug 15 09:42:45 2006
 Response via : Multiple Level Calibration



TIC: SV14127.D

(62) N-nitrosodiphenylamine (C)

9.74min 0.56ng/uL

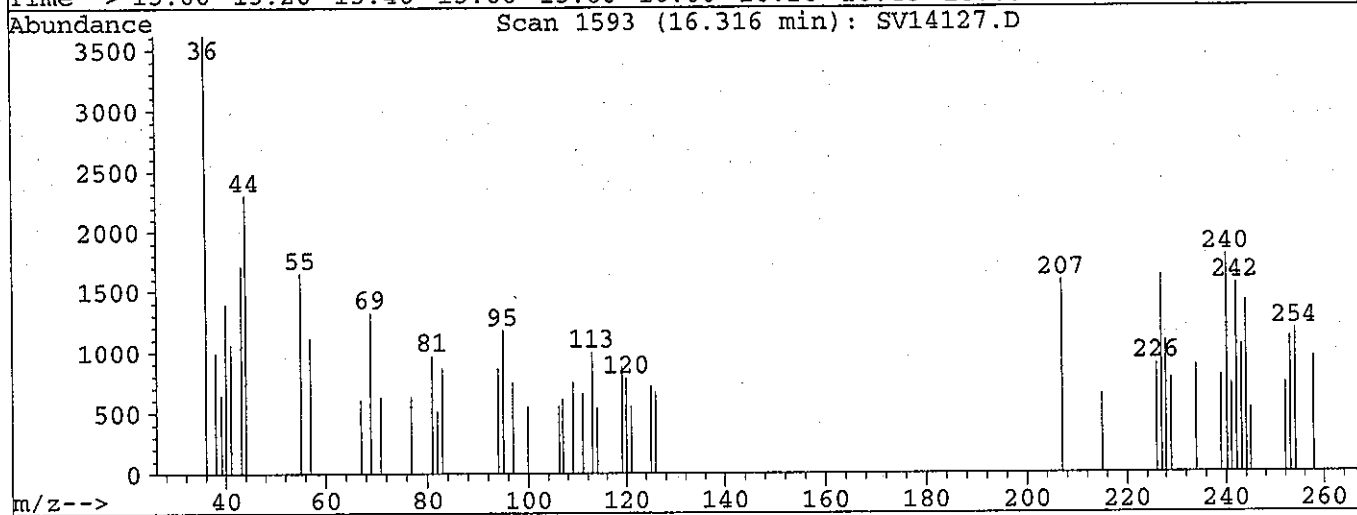
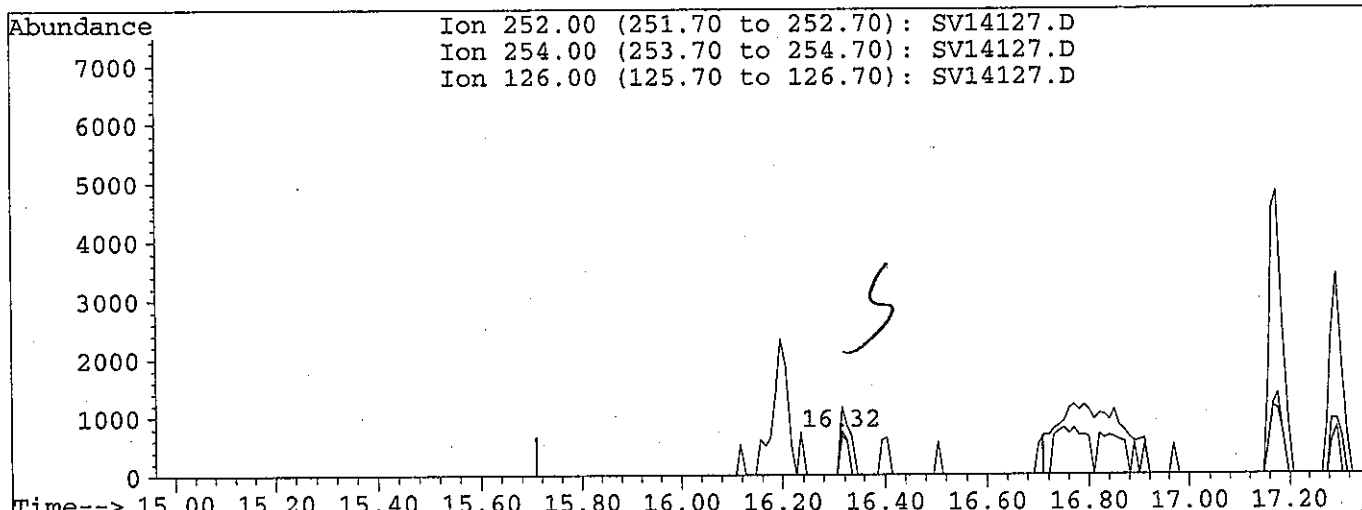
response 24949

| Ion | Exp% | Act% |
|--------|-------|--------|
| 169.00 | 100 | 100 |
| 168.00 | 60.10 | 0.00# |
| 167.00 | 32.90 | 94.13# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\MD081506\SV14127.D Vial: 3
 Acq On : 15 Aug 106 8:50 am Operator: JLS
 Sample : 0608248-09 Inst : SVOA-MS1
 Misc : Multiplr: 1.00
 Quant Time: Aug 15 9:43 19106

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
 Title : ELEMENT ID: 0607036(SOIL) 0607037(AQUEOUS)
 Last Update : Tue Aug 15 09:42:45 2006
 Response via : Multiple Level Calibration



TIC: SV14127.D

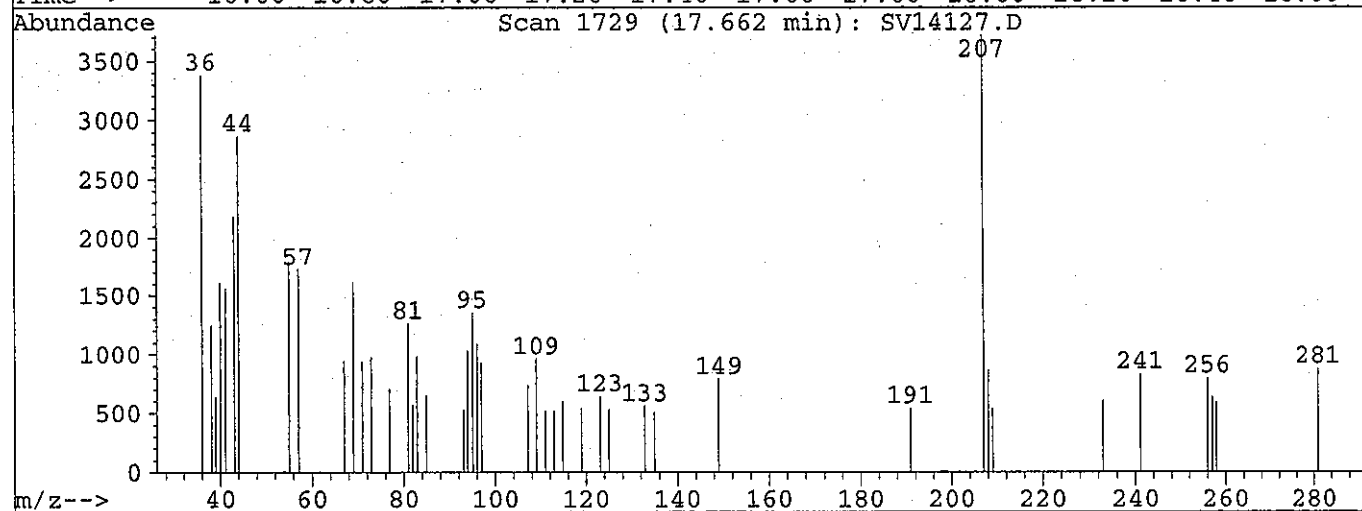
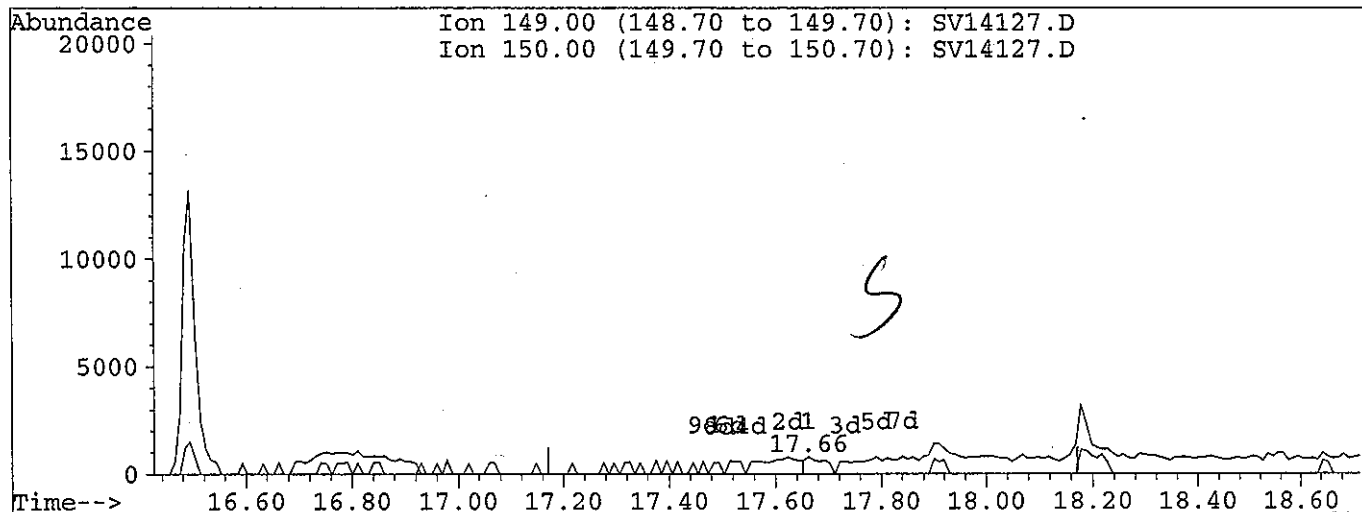
(78) 3,3'-Dichlorobenzidine
 16.32min 1.11ng/uL
 response 797

| Ion | Exp% | Act% |
|--------|-------|---------|
| 252.00 | 100 | 100 |
| 254.00 | 63.40 | 158.40# |
| 126.00 | 26.10 | 89.97# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\MD081506\SV14127.D Vial: 3
 Acq On : 15 Aug 106 8:50 am Operator: JLS
 Sample : 0608248-09 Inst : SVOA-MS1
 Misc : Multiplr: 1.00
 Quant Time: Aug 15 9:44 19106

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
 Title : ELEMENT ID: 0607036(SOIL) 0607037(AQUEOUS)
 Last Update : Tue Aug 15 09:42:45 2006
 Response via : Multiple Level Calibration



TIC: SV14127.D

(83) Di-n-octylphthalate (C)

17.66min 6.60ng/uL

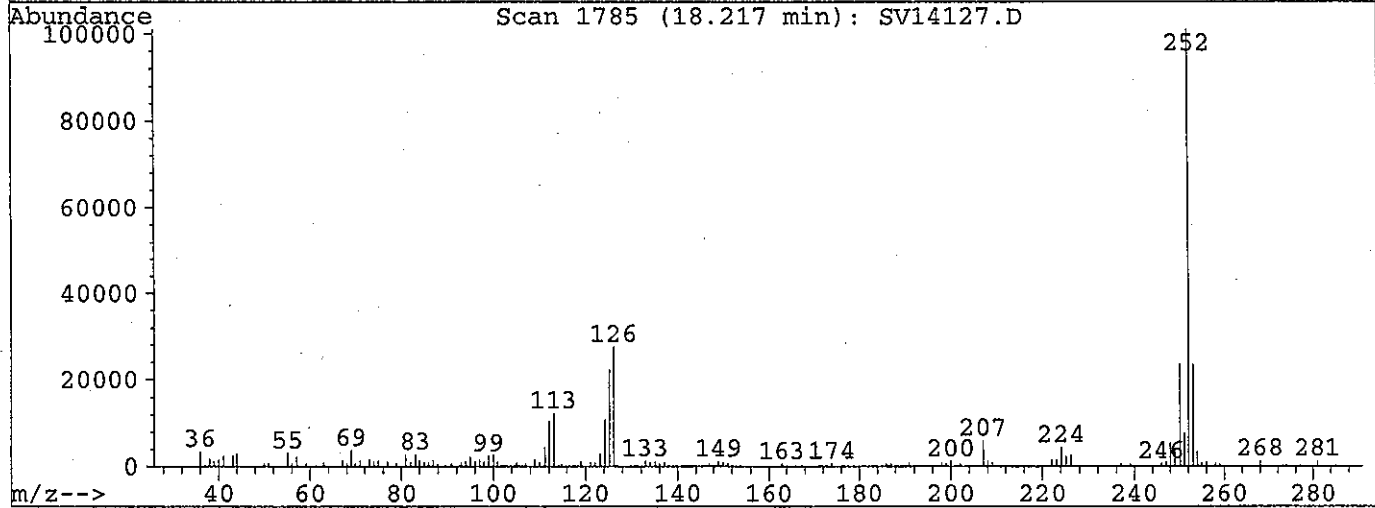
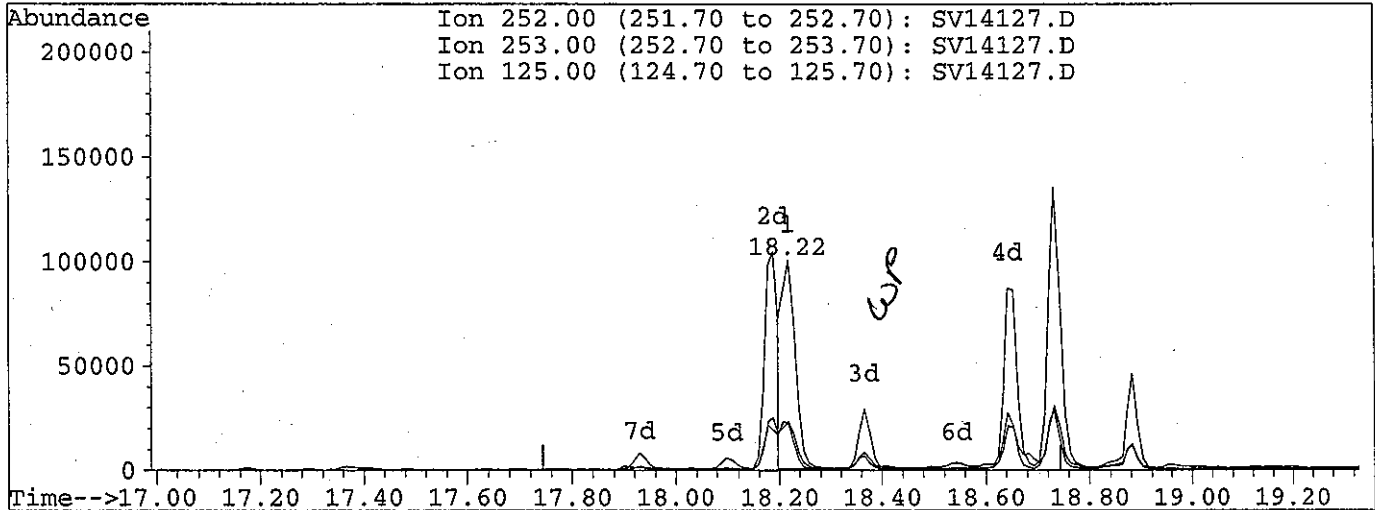
response 1889

| Ion | Exp% | Act% |
|--------|------|------|
| 149.00 | 100 | 100 |
| 150.00 | 9.80 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\MD081506\SV14127.D Vial: 3
 Acq On : 15 Aug 106 8:50 am Operator: JLS
 Sample : 0608248-09 Inst : SVOA-MS1
 Misc : Multiplr: 1.00
 Quant Time: Aug 15 9:44 19106

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
 Title : ELEMENT ID: 0607036(SOIL) 0607037(AQUEOUS)
 Last Update : Tue Aug 15 09:42:45 2006
 Response via : Multiple Level Calibration



TIC: SV14127.D

(84) Benzo(b)fluoranthene

18.22min 10.24ng/uL

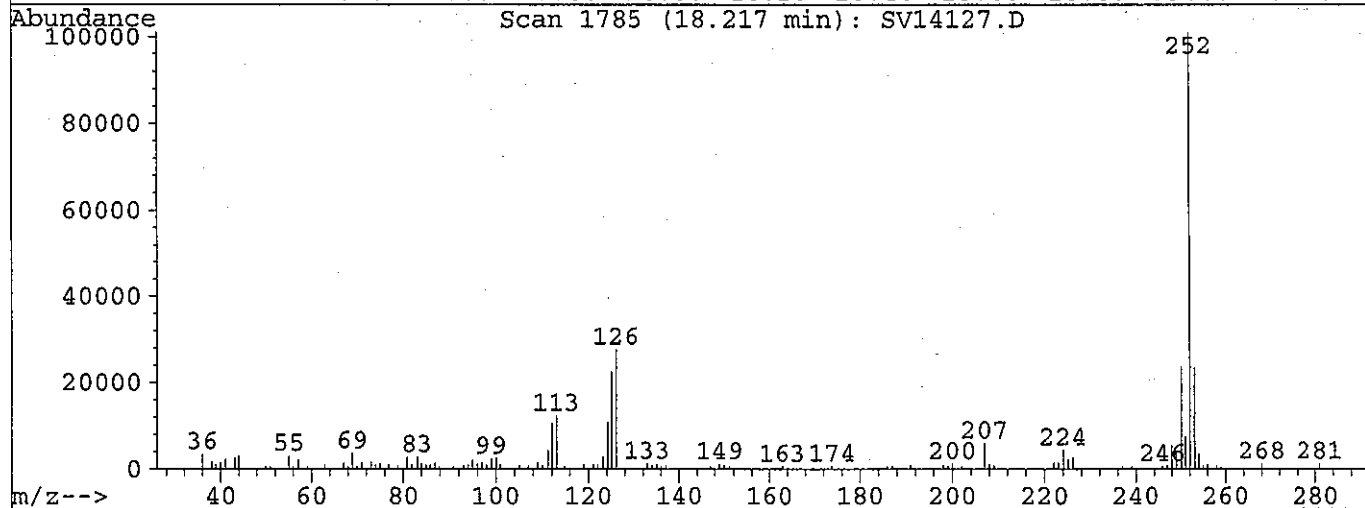
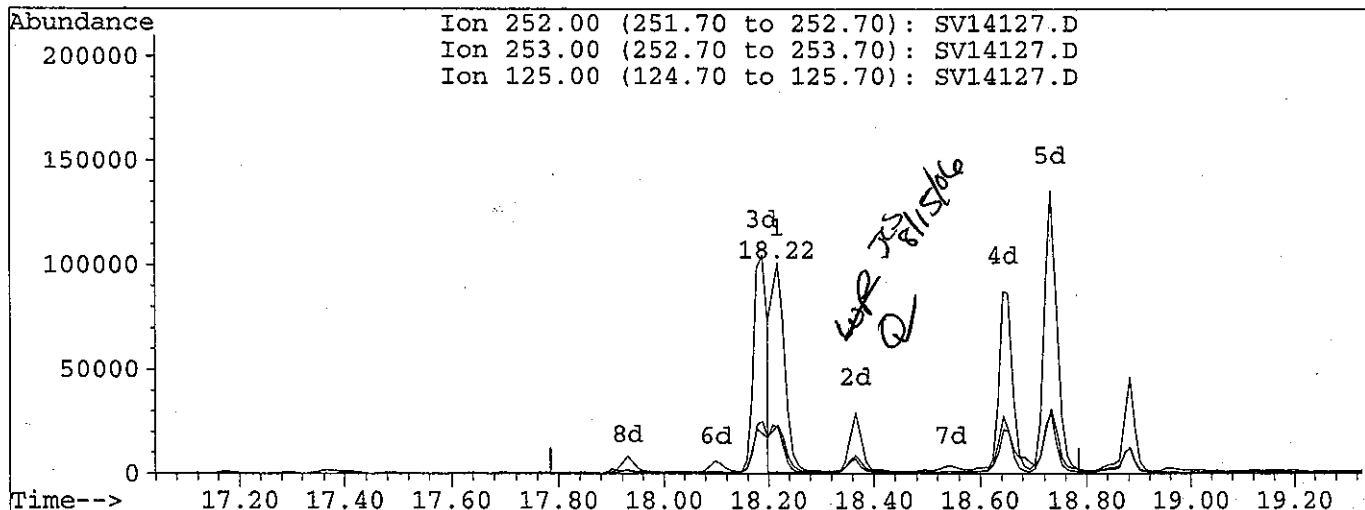
response 182439

| Ion | Exp% | Act% |
|--------|-------|-------|
| 252.00 | 100 | 100 |
| 253.00 | 22.20 | 23.20 |
| 125.00 | 23.00 | 22.21 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\MD081506\SV14127.D Vial: 3
 Acq On : 15 Aug 106 8:50 am Operator: JLS
 Sample : 0608248-09 Inst : SVOA-MS1
 Misc : Multiplr: 1.00
 Quant Time: Aug 15 9:44 19106

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
 Title : ELEMENT ID: 0607036(SOIL) 0607037(AQUEOUS)
 Last Update : Tue Aug 15 09:42:45 2006
 Response via : Multiple Level Calibration



TIC: SV14127.D

(85) Benzo(k)fluoranthene

18.22min 321.65ng/uL

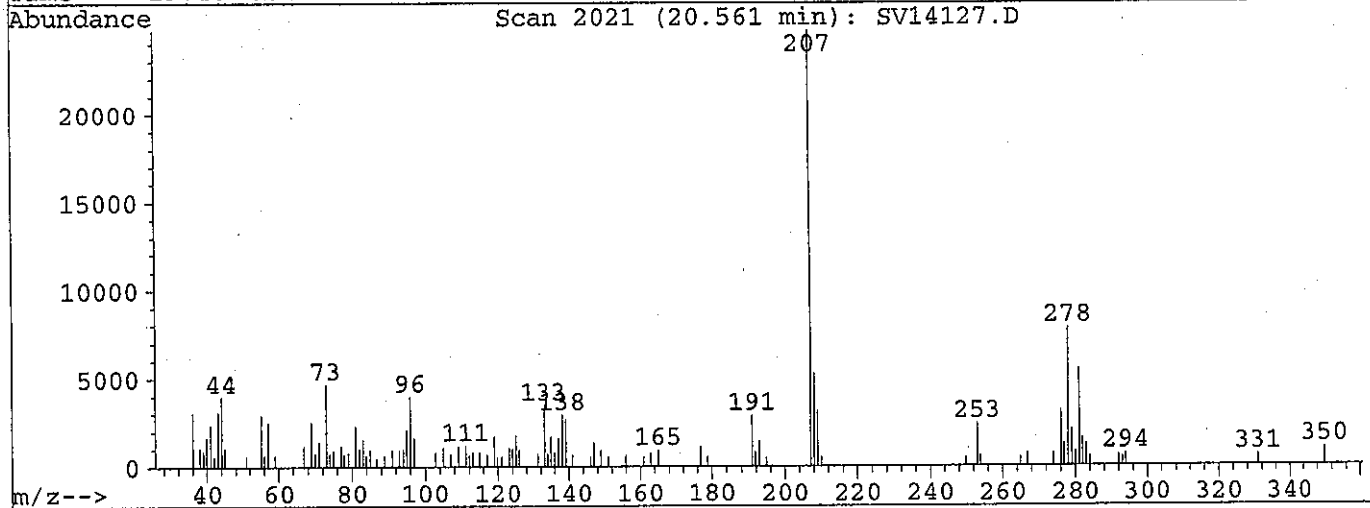
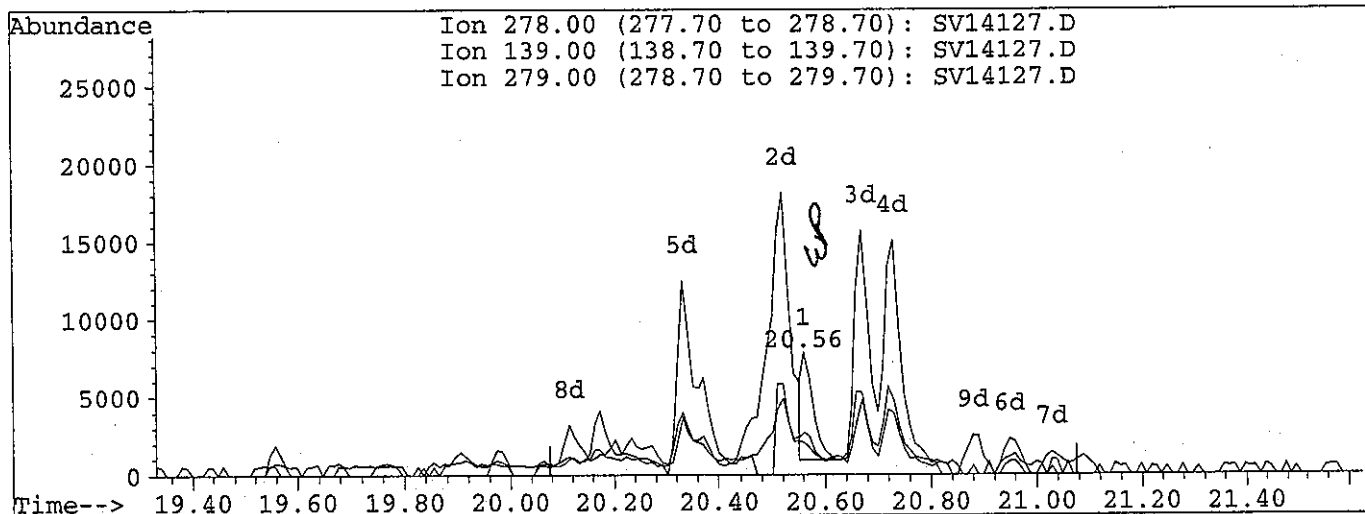
response 182439

| Ion | Exp% | Act% |
|--------|-------|-------|
| 252.00 | 100 | 100 |
| 253.00 | 24.70 | 23.20 |
| 125.00 | 29.10 | 22.21 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\MD081506\SV14127.D Vial: 3
 Acq On : 15 Aug 106 8:50 am Operator: JLS
 Sample : 0608248-09 Inst : SVOA-MS1
 Misc : Multiplr: 1.00
 Quant Time: Aug 15 9:44 19106

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
 Title : ELEMENT ID: 0607036(SOIL) 0607037(AQUEOUS)
 Last Update : Tue Aug 15 09:42:45 2006
 Response via : Multiple Level Calibration



TIC: SV14127.D

(88) Dibenzo(a,h)Anthracene

20.56min 2.72ng/uL

response 10116

| Ion | Exp% | Act% |
|--------|-------|-------|
| 278.00 | 100 | 100 |
| 139.00 | 40.90 | 34.19 |
| 279.00 | 23.90 | 26.52 |
| 0.00 | 0.00 | 0.00 |

QA/QC Check Report

Data File: SV14127.D
Sample Name: 0608248-09
Misc Info :

Analysis Time: 15 Aug 106 8:50 am

=====
Internal Standard Comparison
Std Data File: Q:\SVOA\MS1_MD\MD0806\MD081506\SV14126.D
Analysis Time: 15 Aug 106 8:14 am

| Internal Standard | Sample Area | Std Area | % Recovery |
|---------------------------|-------------|----------|------------|
| 1) 1,4-Dichlorobenzene-d4 | 835469 | 947502 | 88.2 |
| 22) Naphthalene-d8 | 3117354 | 3696756 | 84.3 |
| 38) Acenaphthene-d10 | 1521857 | 1745422 | 87.2 |
| 59) Phenanthrene-d10 | 2436492 | 2733158 | 89.1 |
| 74) Chrysene-d12 | 2172112 | 2685192 | 80.9 |
| 82) Perylene-d12 | 2103763 | 2488306 | 84.5 |

% Recovery = (Sample Area/Std Area)*100

** = Outside Limits

ORGANIC ANALYSIS DATA SHEET

8270C

SS-SI77 B1

| | | | |
|-------------|---------------------------------------|----------------|------------------------|
| Laboratory: | ESS Laboratory | SDG: | 0608248 |
| Client: | MACTEC Engineering & Consulting, Inc. | Project: | Providence Gorham Site |
| Matrix: | Soil | Laboratory ID: | 0608248-10 |
| Sampled: | 08/14/06 13:40 | Prepared: | 08/14/06 16:30 |
| Solids: | 94.00 | Preparation: | 3541 |
| Batch: | BH61402 | Sequence: | BPH0157 |
| | | Calibration: | 0608031 |
| | | Instrument: | SVOA-MS1 |
| | | File ID: | SV14128.D |
| | | Analyzed: | 08/15/06 09:20 |
| | | Initial/Final: | 19.8 g / 1 ml |

| CAS NO. | COMPOUND | DILUTION | CONC. (ug/Kg dry) | Q |
|-----------|------------------------------|----------|-------------------|---|
| 92-52-4 | 1,1-Biphenyl | 1 | 537 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1 | 537 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 1 | 537 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 1 | 537 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 1 | 537 | U |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 1 | 2690 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 1 | 537 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 1 | 537 | U |
| 120-83-2 | 2,4-Dichlorophenol | 1 | 537 | U |
| 105-67-9 | 2,4-Dimethylphenol | 1 | 537 | U |
| 51-28-5 | 2,4-Dinitrophenol | 1 | 2690 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 1 | 537 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 1 | 537 | U |
| 91-58-7 | 2-Chloronaphthalene | 1 | 537 | U |
| 95-57-8 | 2-Chlorophenol | 1 | 537 | U |
| 91-57-6 | 2-Methylnaphthalene | 1 | 537 | U |
| 95-48-7 | 2-Methylphenol | 1 | 537 | U |
| 88-74-4 | 2-Nitroaniline | 1 | 537 | U |
| 88-75-5 | 2-Nitrophenol | 1 | 537 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 1 | 537 | U |
| 106-44-5 | 3+4-Methylphenol | 1 | 1070 | U |
| 99-09-2 | 3-Nitroaniline | 1 | 537 | U |
| 534-52-1 | 4,6-Dinitro-2-Methylphenol | 1 | 2690 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 1 | 537 | U |
| 59-50-7 | 4-Chloro-3-Methylphenol | 1 | 537 | U |
| 106-47-8 | 4-Chloroaniline | 1 | 537 | U |
| 7005-72-3 | 4-Chloro-phenyl-phenyl ether | 1 | 537 | U |
| 100-01-6 | 4-Nitroaniline | 1 | 537 | U |
| 100-02-7 | 4-Nitrophenol | 1 | 2690 | U |
| 83-32-9 | Acenaphthene | 1 | 212 | J |
| 208-96-8 | Acenaphthylene | 1 | 537 | U |
| 98-86-2 | Acetophenone | 1 | 537 | U |
| 62-53-3 | Aniline | 1 | 537 | U |
| 120-12-7 | Anthracene | 1 | 678 | |
| 103-33-3 | Azobenzene | 1 | 537 | U |
| 56-55-3 | Benzo(a)anthracene | 1 | 1840 | |
| 50-32-8 | Benzo(a)pyrene | 1 | 1680 | |
| 205-99-2 | Benzo(b)fluoranthene | 1 | 1380 | |
| 191-24-2 | Benzo(g,h,i)perylene | 1 | 621 | |
| 207-08-9 | Benzo(k)fluoranthene | 1 | 1140 | |

ORGANIC ANALYSIS DATA SHEET

8270C

SS-SI77 B1

| | | | |
|-------------|---------------------------------------|----------------|------------------------|
| Laboratory: | ESS Laboratory | SDG: | 0608248 |
| Client: | MACTEC Engineering & Consulting, Inc. | Project: | Providence Gorham Site |
| Matrix: | Soil | Laboratory ID: | 0608248-10 |
| | | File ID: | SV14128.D |
| Sampled: | 08/14/06 13:40 | Prepared: | 08/14/06 16:30 |
| | | Analyzed: | 08/15/06 09:20 |
| Solids: | 94.00 | Preparation: | 3541 |
| | | Initial/Final: | 19.8 g / 1 ml |
| Batch: | BH61402 | Sequence: | BPH0157 |
| | | Calibration: | 0608031 |
| | | Instrument: | SVOA-MS1 |

| CAS NO. | COMPOUND | DILUTION | CONC. (ug/Kg dry) | Q |
|------------|-----------------------------|----------|-------------------|---|
| 65-85-0 | Benzoic Acid | 1 | 2690 | U |
| 100-51-6 | Benzyl Alcohol | 1 | 537 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 1 | 537 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 1 | 537 | U |
| 39638-32-9 | bis(2-chloroisopropyl)Ether | 1 | 537 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 1 | 537 | U |
| 85-68-7 | Butylbenzylphthalate | 1 | 537 | U |
| 86-74-8 | Carbazole | 1 | 303 | J |
| 218-01-9 | Chrysene | 1 | 1850 | |
| 53-70-3 | Dibenzo(a,h)Anthracene | 1 | 373 | J |
| 132-64-9 | Dibenzofuran | 1 | 537 | U |
| 84-66-2 | Diethylphthalate | 1 | 537 | U |
| 131-11-3 | Dimethylphthalate | 1 | 537 | U |
| 84-74-2 | Di-n-butylphthalate | 1 | 537 | U |
| 117-84-0 | Di-n-octylphthalate | 1 | 537 | U |
| 206-44-0 | Fluoranthene | 1 | 3510 | |
| 86-73-7 | Fluorene | 1 | 241 | J |
| 118-74-1 | Hexachlorobenzene | 1 | 537 | U |
| 87-68-3 | Hexachlorobutadiene | 1 | 537 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 1 | 2690 | U |
| 67-72-1 | Hexachloroethane | 1 | 1070 | U |
| 193-39-5 | Indeno(1,2,3-cd)Pyrene | 1 | 714 | |
| 78-59-1 | Isophorone | 1 | 537 | U |
| 91-20-3 | Naphthalene | 1 | 172 | J |
| 98-95-3 | Nitrobenzene | 1 | 537 | U |
| 62-75-9 | N-Nitrosodimethylamine | 1 | 537 | U |
| 621-64-7 | N-Nitroso-Di-n-Propylamine | 1 | 537 | U |
| 86-30-6 | N-nitrosodiphenylamine | 1 | 537 | U |
| 87-86-5 | Pentachlorophenol | 1 | 2690 | U |
| 85-01-8 | Phenanthrene | 1 | 2630 | |
| 108-95-2 | Phenol | 1 | 537 | U |
| 129-00-0 | Pyrene | 1 | 3470 | |
| 110-86-1 | Pyridine | 1 | 2690 | U |

| SYSTEM MONITORING COMPOUND | ADDED (ug/Kg dry) | CONC (ug/Kg dry) | % REC | QC LIMITS | Q |
|----------------------------|-------------------|------------------|-------|-----------|---|
| 1,2-Dichlorobenzene-d4 | 5370 | 3930 | 73 | 30 - 130 | |
| 2,4,6-Tribromophenol | 8060 | 5450 | 68 | 30 - 130 | |
| 2-Chlorophenol-d4 | 8060 | 5690 | 71 | 30 - 130 | |
| 2-Fluorobiphenyl | 5370 | 4220 | 79 | 30 - 130 | |
| 2-Fluorophenol | 8060 | 5400 | 67 | 30 - 130 | |

ORGANIC ANALYSIS DATA SHEET

8270C

SS-SI77 B1

| | | | |
|-------------|--|----------------|-------------------------------|
| Laboratory: | <u>ESS Laboratory</u> | SDG: | <u>0608248</u> |
| Client: | <u>MACTEC Engineering & Consulting, Inc.</u> | Project: | <u>Providence Gorham Site</u> |
| Matrix: | <u>Soil</u> | Laboratory ID: | <u>0608248-10</u> |
| | | File ID: | <u>SV14128.D</u> |
| Sampled: | <u>08/14/06 13:40</u> | Prepared: | <u>08/14/06 16:30</u> |
| | | Analyzed: | <u>08/15/06 09:20</u> |
| Solids: | <u>94.00</u> | Preparation: | <u>3541</u> |
| | | Initial/Final: | <u>19.8 g / 1 ml</u> |
| Batch: | <u>BH61402</u> | Sequence: | <u>BPH0157</u> |
| | | Calibration: | <u>0608031</u> |
| | | Instrument: | <u>SVOA-MS1</u> |

| SYSTEM MONITORING COMPOUND | ADDED (ug/Kg dry) | CONC (ug/Kg dry) | % REC | QC LIMITS | Q |
|----------------------------|-------------------|------------------|-------|-----------|---|
| Nitrobenzene-d5 | 5370 | 4090 | 76 | 30 - 130 | |
| Phenol-d6 | 8060 | 5770 | 72 | 30 - 130 | |
| p-Terphenyl-d14 | 5370 | 4670 | 87 | 30 - 130 | |

| INTERNAL STANDARD | AREA | RT | REF AREA | REF RT | Q |
|------------------------|---------|-------|----------|--------|---|
| 1,4-Dichlorobenzene-d4 | 1009154 | 4.32 | 947502 | 4.33 | |
| Naphthalene-d8 | 3727576 | 5.76 | 3696756 | 5.77 | |
| Acenaphthene-d10 | 1826063 | 8.32 | 1745422 | 8.34 | |
| Phenanthrene-d10 | 2817408 | 10.98 | 2733158 | 10.99 | |
| Chrysene-d12 | 2357794 | 16.22 | 2685192 | 16.22 | |
| Perylene-d12 | 2313396 | 18.87 | 2488306 | 18.87 | |

* Values outside of QC limits

Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\MD081506\SV14128.D Vial: 4
 Acq On : 15 Aug 106 9:20 am Operator: JLS
 Sample : 0608248-10 Inst : SVOA-MS1
 Misc : Multiplr: 1.00
 Quant Time: Aug 15 16:48 19106

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
 Title : ELEMENT ID: 0607036(SOIL) 0607037(AQUEOUS)
 Last Update : Tue Aug 15 16:43:52 2006
 Response via : Multiple Level Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 4.32 | 152 | 1009154 | 40.00 | ng/uL | 0.00 |
| 22) Naphthalene-d8 | 5.76 | 136 | 3727576 | 40.00 | ng/uL | -0.01 |
| 38) Acenaphthene-d10 | 8.32 | 164 | 1826063 | 40.00 | ng/uL | -0.02 |
| 59) Phenanthrene-d10 | 10.98 | 188 | 2817408 | 40.00 | ng/uL | -0.02 |
| 74) Chrysene-d12 | 16.22 | 240 | 2357794 | 40.00 | ng/uL | 0.00 |
| 82) Perylene-d12 | 18.87 | 264 | 2313396 | 40.00 | ng/uL | 0.00 |

| System Monitoring Compounds | R.T. | QIon | Response | Conc | Units | %Recovery |
|----------------------------------|-------|------|----------|--------|-------|-----------|
| 4) 2-Fluorophenol (SURR) | 2.82 | 112 | 3804906 | 100.42 | ng/uL | 66.95% |
| 6) Phenol-d5 (SURR) | 4.01 | 99 | 5182831 | 107.45 | ng/uL | 71.63% |
| 10) 2-Chlorophenol-d4 (SURR) | 4.12 | 132 | 3951115 | 105.85 | ng/uL | 70.57% |
| 13) 1,2 Dichlorobenzene-d4 (SUR) | 4.53 | 152 | 1604678 | 73.09 | ng/uL | 73.09% |
| 23) Nitrobenzene-d5 (SURR) | 4.95 | 82 | 2600851 | 76.18 | ng/uL | 76.18% |
| 42) 2-Fluorobiphenyl (SURR) | 7.25 | 172 | 4712620 | 78.58 | ng/uL | 78.58% |
| 64) 2,4,6-Tribromophenol (SURR) | 9.74 | 330 | 1147423 | 101.39 | ng/uL | 67.59% |
| 76) Terphenyl-d14 (SURR) | 14.19 | 244 | 4358993 | 86.87 | ng/uL | 86.87% |

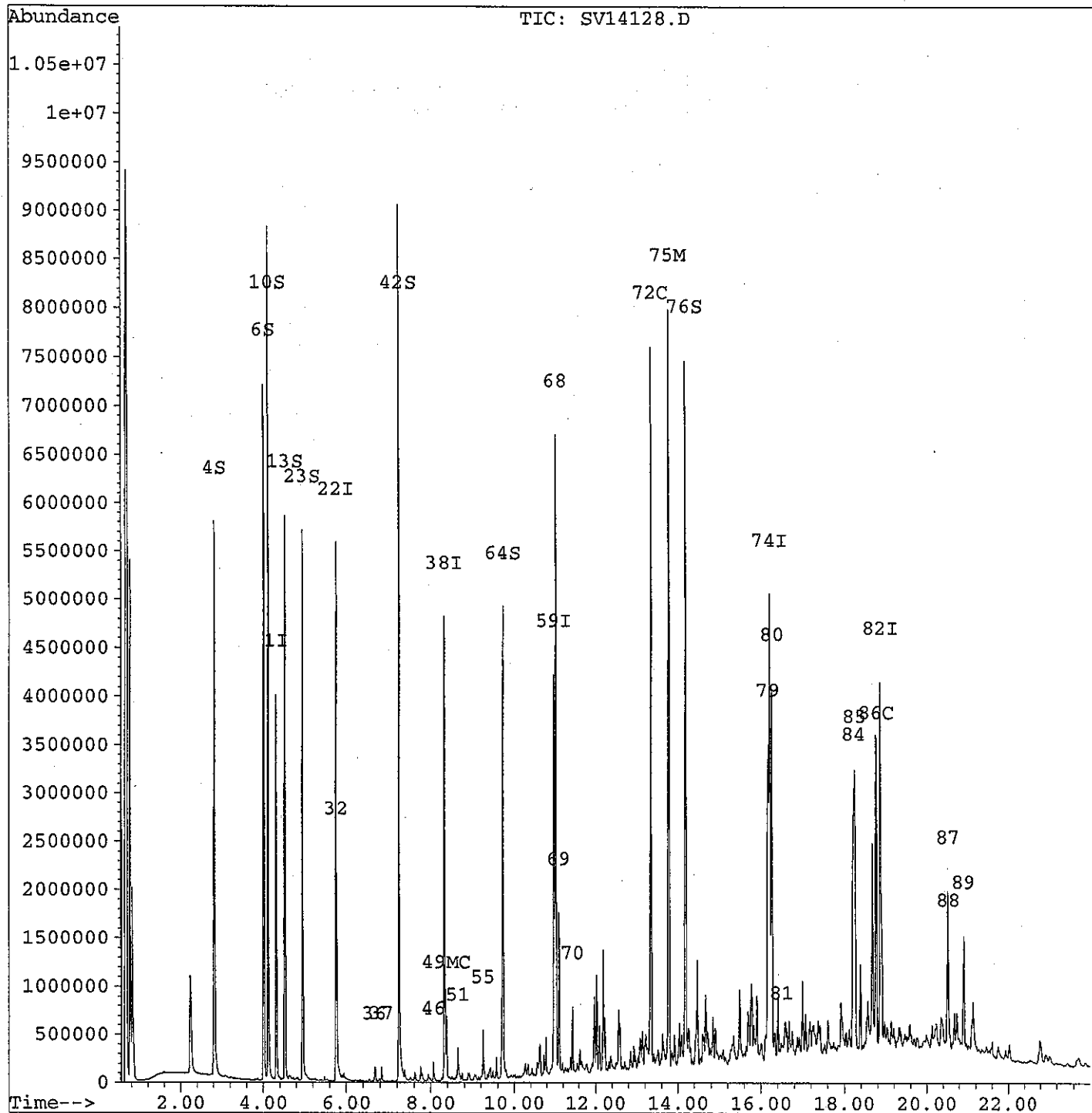
| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|--------|--------|
| 32) Naphthalene | 5.78 | 128 | 304943 | 3.20 | ng/uL | 99 |
| 36) 2-Methylnaphthalene | 6.69 | 142 | 81703 | 1.41 | ng/uL | 96 |
| 37) 1-Methylnaphthalene | 6.84 | 142 | 67894 | 1.19 | ng/uL | 100 |
| 46) Acenaphthylene | 8.06 | 152 | 128761 | 1.46 | ng/uL | 100 |
| 49) Acenaphthene | 8.37 | 153 | 211992 | 3.94 | ng/uL | 99 |
| 51) Dibenzofuran | 8.65 | 168 | 259334 | 3.40 | ng/uL | 94 |
| 55) Fluorene | 9.25 | 166 | 265922 | 4.48 | ng/uL | 99 |
| 68) Phenanthrene | 11.03 | 178 | 4103613 | 49.03 | ng/uL | 98 |
| 69) Anthracene | 11.11 | 178 | 1048573 | 12.62 | ng/uL | 98 |
| 70) Carbazole | 11.43 | 167 | 457391 | 5.64 | ng/uL | 99 |
| 72) Fluoranthene | 13.36 | 202 | 5384123 | 65.35 | ng/uL | 96 |
| 75) Pyrene | 13.79 | 202 | 4886938 | 64.55 | ng/uLm | 89 |
| 79) Benzo(a)anthracene | 16.18 | 228 | 2526604 | 34.33 | ng/uL | 96 |
| 80) Chrysene | 16.27 | 228 | 2269964 | 34.41 | ng/uL | 96 |
| 81) bis(2-Ethylhexyl)phthalate | 16.50 | 149 | 23822 | 1.33 | ng/uL | 94 |
| 84) Benzo(b)fluoranthene | 18.22 | 252 | 2017055 | 25.63 | ng/uLm | 99 |
| 85) Benzo(k)fluoranthene | 18.25 | 252 | 1585225 | 21.21 | ng/uL | 92 |
| 86) Benzo(a)pyrene | 18.77 | 252 | 2046688 | 31.18 | ng/uL | 92 |
| 87) Indeno(1,2,3-Cd)Pyrene | 20.52 | 276 | 938171 | 13.29 | ng/uL | 82 |
| 88) Dibenzo(a,h)Anthracene | 20.53 | 278 | 307838 | 6.94 | ng/uLm | 92 |
| 89) Benzo(g,h,i)perylene | 20.91 | 276 | 688791 | 11.55 | ng/uL | 95 |

SL
8/15/06

Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\MD081506\SV14128.D Vial: 4
Acq On : 15 Aug 106 9:20 am Operator: JLS
Sample : 0608248-10 Inst : SVOA-MS1
Misc : Multiplr: 1.00
Quant Time: Aug 15 16:48 19106

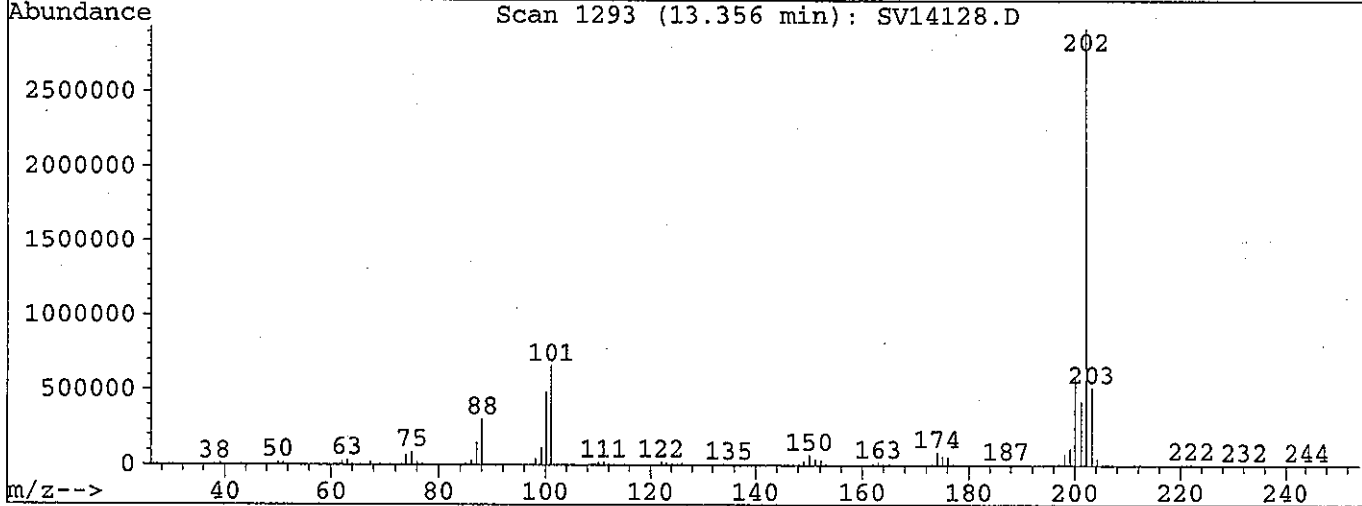
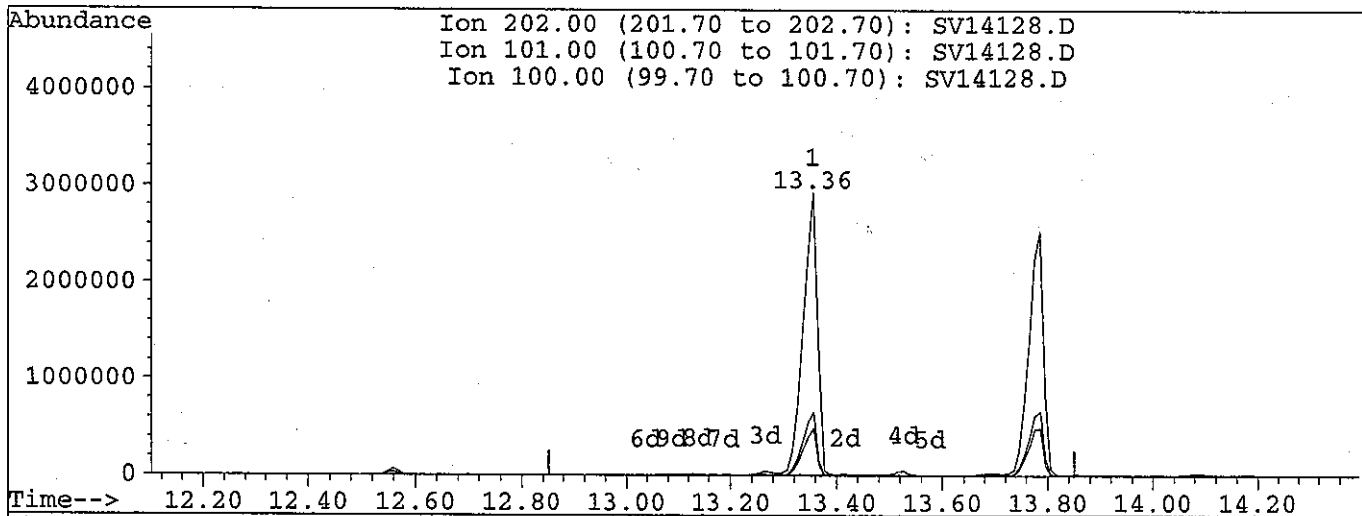
Method : C:\HPCHEM\1\METHODS\SV1NJ.M
Title : ELEMENT ID: 0607036(SOIL) 0607037(AQUEOUS)
Last Update : Tue Aug 15 16:43:52 2006
Response via : Multiple Level Calibration



Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\MD081506\SV14128.D Vial: 4
 Acq On : 15 Aug 106 9:20 am Operator: JLS
 Sample : 0608248-10 Inst : SVOA-MS1
 Misc : Multiplr: 1.00
 Quant Time: Aug 15 9:49 19106

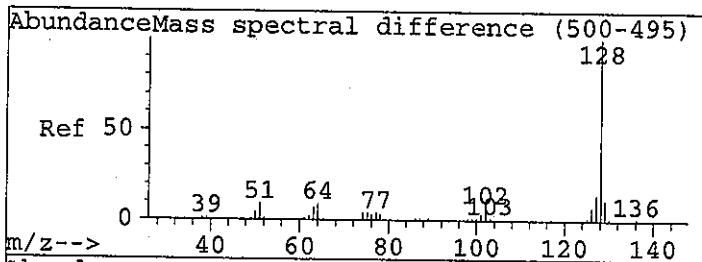
Method : C:\HPCHEM\1\METHODS\SV1NJ.M
 Title : ELEMENT ID: 0607036(SOIL) 0607037(AQUEOUS)
 Last Update : Tue Aug 15 16:43:52 2006
 Response via : Multiple Level Calibration



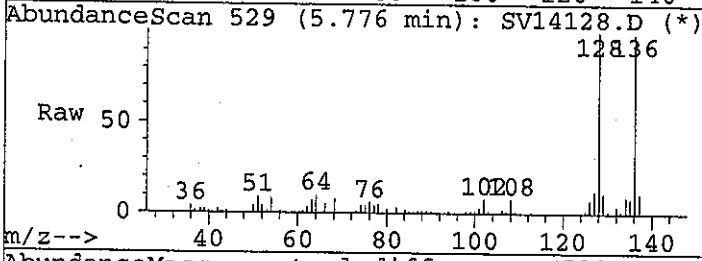
TIC: SV14128.D

(75) Pyrene (M)
 13.36min 71.12ng/uL
 response 5384123

| Ion | Exp% | Act% |
|--------|-------|-------|
| 202.00 | 100 | 100 |
| 101.00 | 28.20 | 22.55 |
| 100.00 | 22.20 | 16.56 |
| 0.00 | 0.00 | 0.00 |

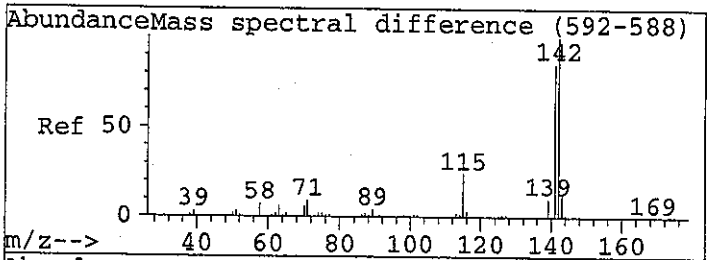
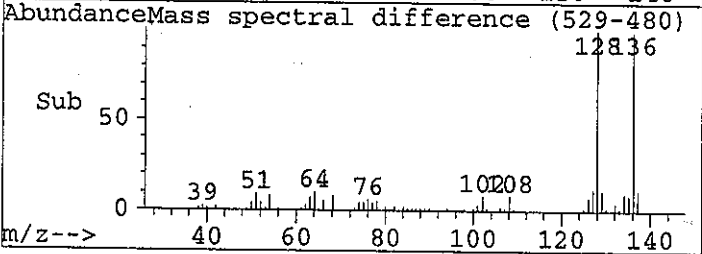
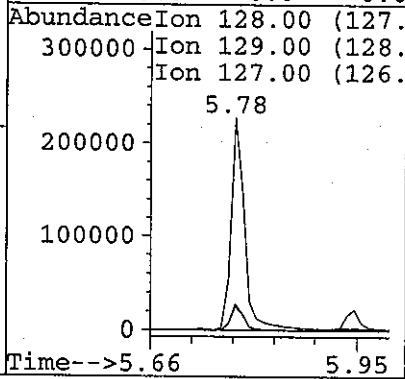


#32
 Naphthalene
 Concen: 3.20 ng/uL
 RT: 5.78 min Scan# 529
 Delta R.T. -0.01 min
 Lab File: SV14128.D
 Acq: 15 Aug 106 9:20 am

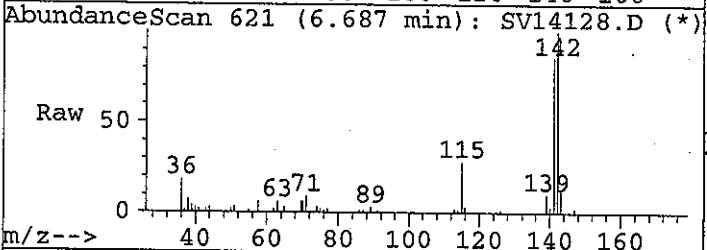


Tgt Ion: 128 Resp: 304943

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100 | | |
| 129 | 11.2 | 0.0 | 41.0 |
| 127 | 12.4 | 0.0 | 43.0 |
| 0 | 0.0 | 0.0 | 0.0 |

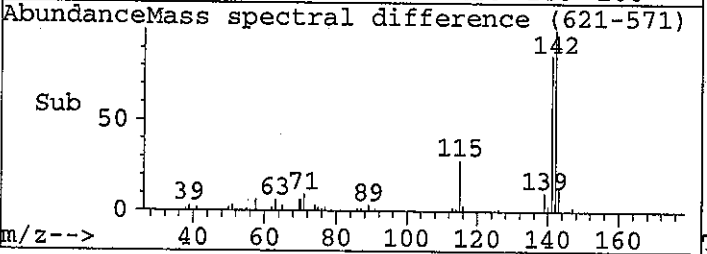
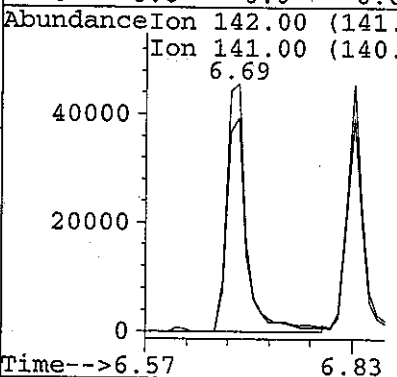


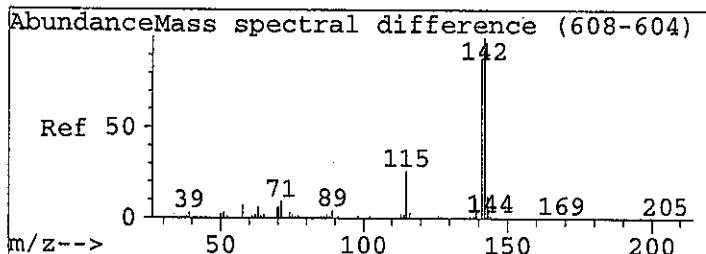
#36
 2-Methylnaphthalene
 Concen: 1.41 ng/uL
 RT: 6.69 min Scan# 621
 Delta R.T. -0.01 min
 Lab File: SV14128.D
 Acq: 15 Aug 106 9:20 am



Tgt Ion: 142 Resp: 81703

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 142 | 100 | | |
| 141 | 86.1 | 52.5 | 112.5 |
| 0 | 0.0 | 0.0 | 0.0 |
| 0 | 0.0 | 0.0 | 0.0 |

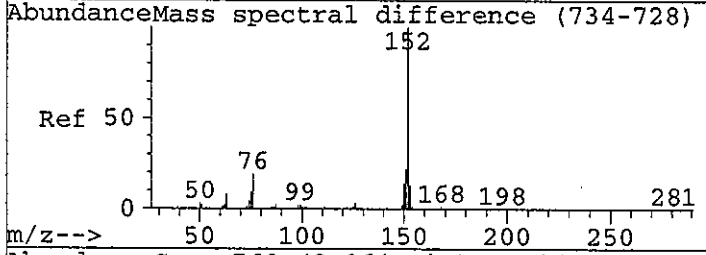
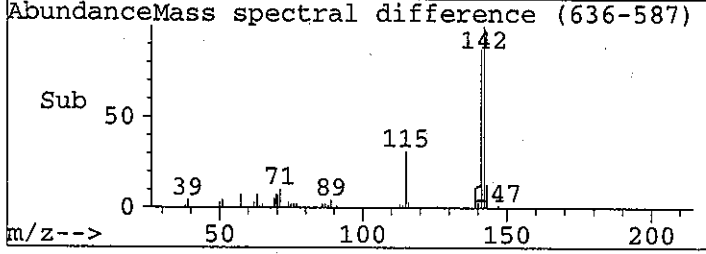
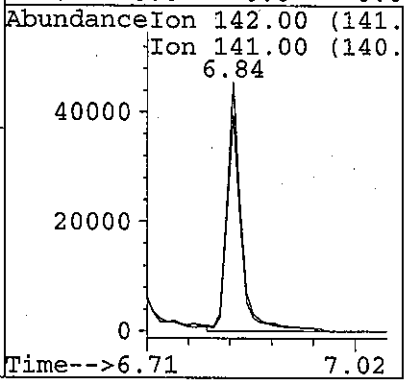
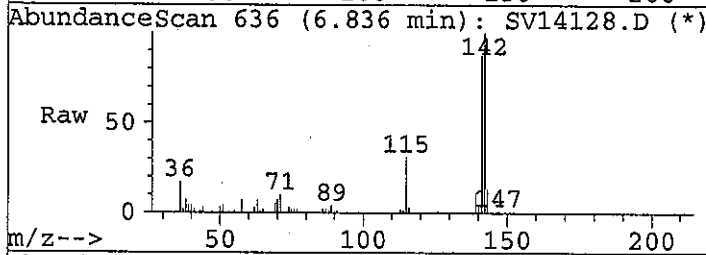




#37
 1-Methylnaphthalene
 Concen: 1.19 ng/ul
 RT: 6.84 min Scan# 636
 Delta R.T. -0.01 min
 Lab File: SV14128.D
 Acq: 15 Aug 106 9:20 am

Tgt Ion:142 Resp: 67894

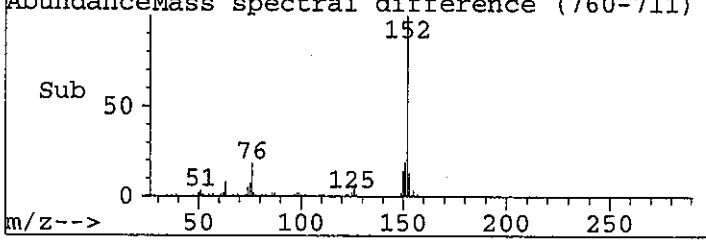
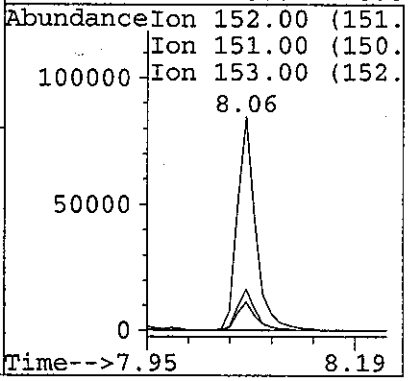
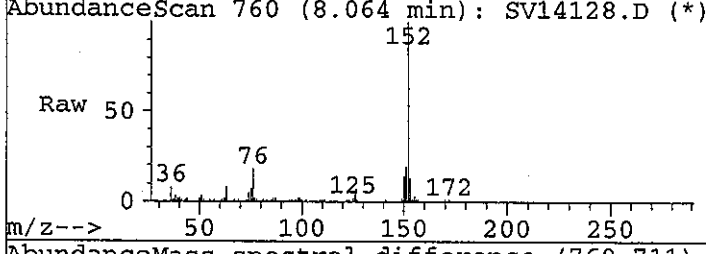
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 142 | 100 | | |
| 141 | 86.6 | 56.2 | 116.2 |
| 0 | 0.0 | 0.0 | 0.0 |
| 0 | 0.0 | 0.0 | 0.0 |

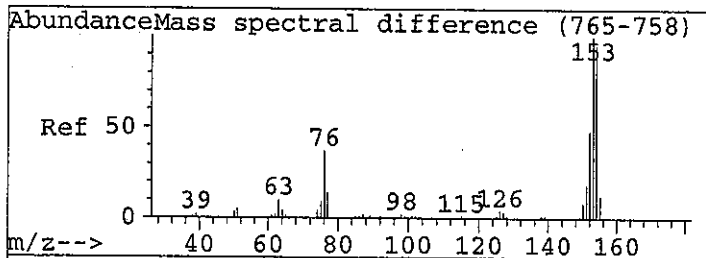


#46
 Acenaphthylene
 Concen: 1.46 ng/uL
 RT: 8.06 min Scan# 760
 Delta R.T. -0.01 min
 Lab File: SV14128.D
 Acq: 15 Aug 106 9:20 am

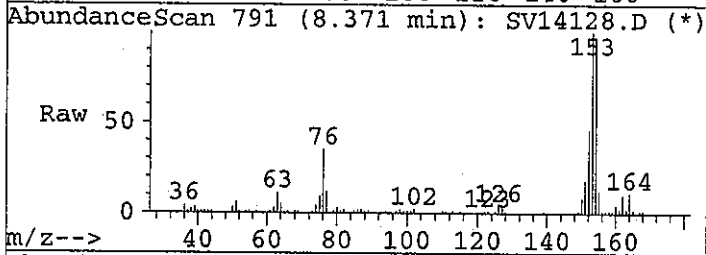
Tgt Ion:152 Resp: 128761

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100 | | |
| 151 | 19.4 | 0.0 | 49.4 |
| 153 | 13.4 | 0.0 | 42.9 |
| 0 | 0.0 | 0.0 | 0.0 |



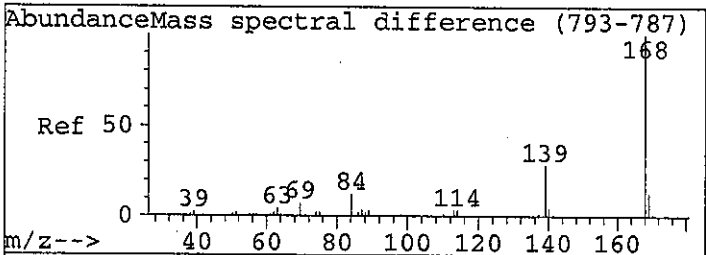
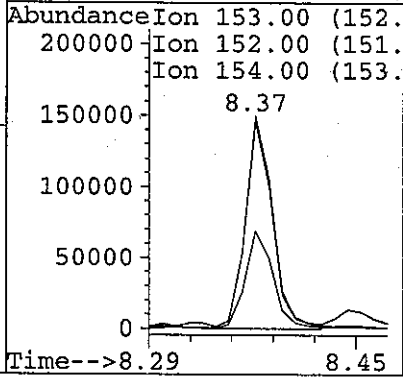
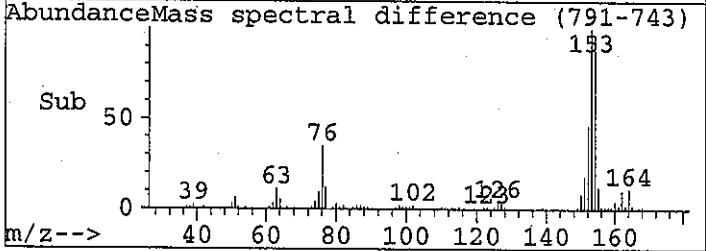


#49
 Acenaphthene
 Concen: 3.94 ng/uL
 RT: 8.37 min Scan# 791
 Delta R.T. -0.02 min
 Lab File: SV14128.D
 Acq: 15 Aug 106 9:20 am

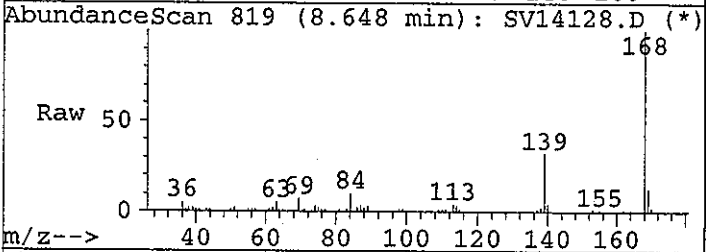


Tgt Ion:153 Resp: 211992

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 153 | 100 | | |
| 152 | 46.2 | 17.0 | 77.0 |
| 154 | 97.3 | 66.5 | 126.5 |
| 0 | 0.0 | 0.0 | 0.0 |

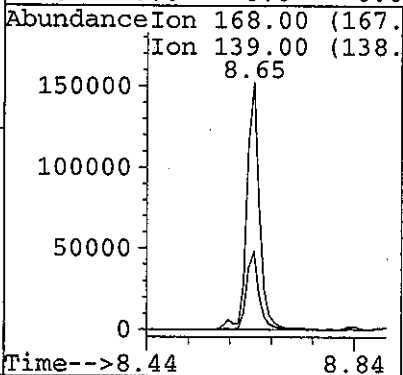
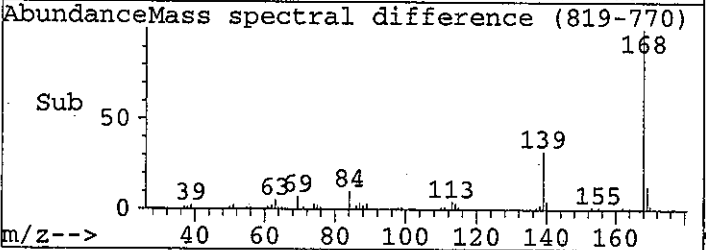


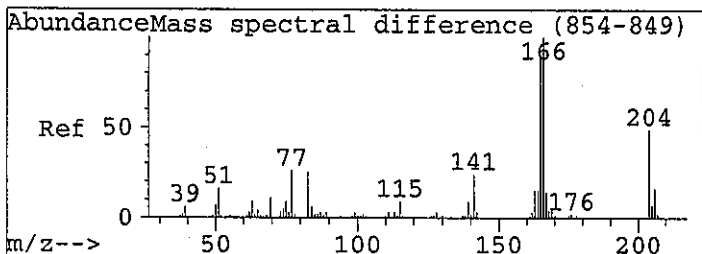
#51
 Dibenzofuran
 Concen: 3.40 ng/uL
 RT: 8.65 min Scan# 819
 Delta R.T. -0.02 min
 Lab File: SV14128.D
 Acq: 15 Aug 106 9:20 am



Tgt Ion:168 Resp: 259334

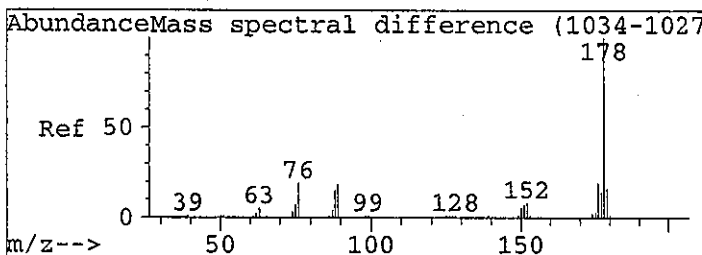
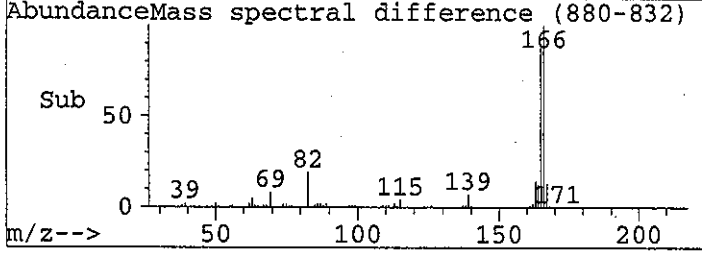
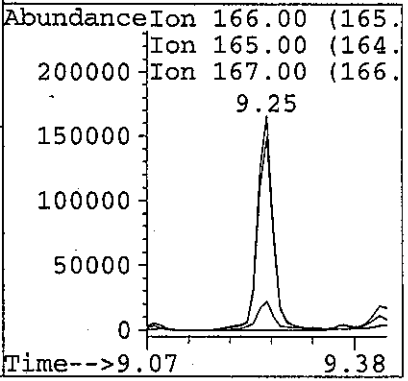
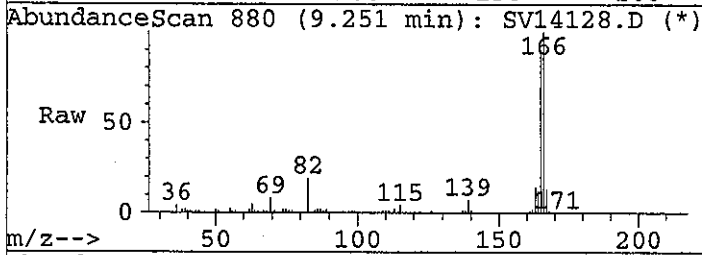
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 168 | 100 | | |
| 139 | 31.6 | 5.0 | 65.0 |
| 0 | 0.0 | 0.0 | 0.0 |
| 0 | 0.0 | 0.0 | 0.0 |





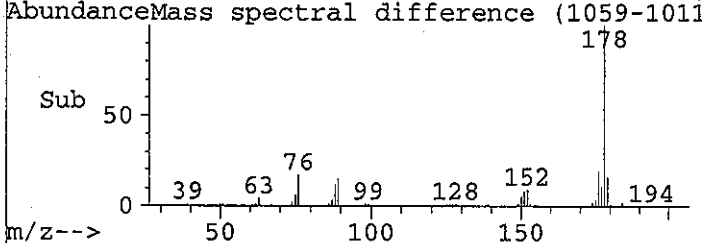
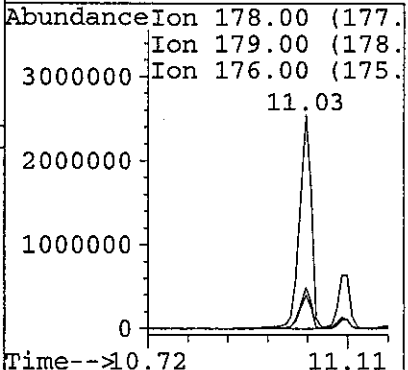
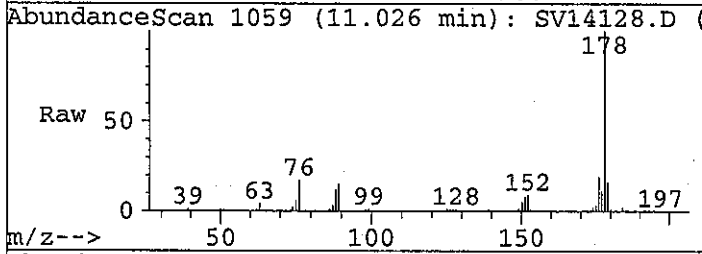
#55
 Fluorene
 Concen: 4.48 ng/uL
 RT: 9.25 min Scan# 880
 Delta R.T. -0.02 min
 Lab File: SV14128.D
 Acq: 15 Aug 106 9:20 am

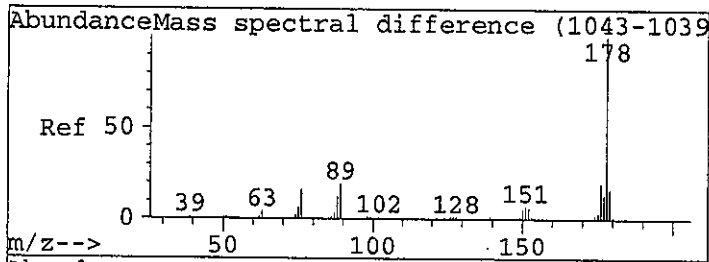
| Tgt Ion | 166 | 165 | 167 | 0 | Resp | 265922 | Lower | Upper |
|-----------|-----|-------|------|-----|------|--------|-------|-------|
| Ion Ratio | 100 | 90.2 | 13.4 | 0.0 | | | | |
| | | 61.2 | 0.0 | 0.0 | | | | |
| | | 121.2 | 43.4 | 0.0 | | | | |



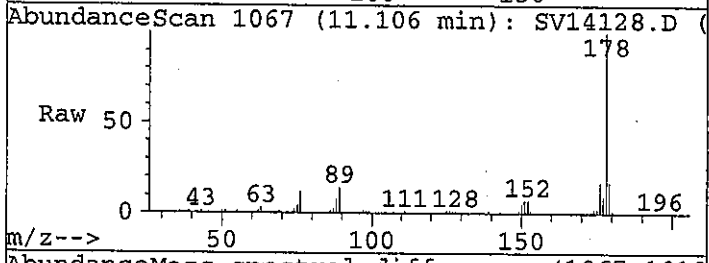
#68
 Phenanthrene
 Concen: 49.03 ng/uL
 RT: 11.03 min Scan# 1059
 Delta R.T. -0.02 min
 Lab File: SV14128.D
 Acq: 15 Aug 106 9:20 am

| Tgt Ion | 178 | 179 | 176 | 0 | Resp | 4103613 | Lower | Upper |
|-----------|-----|------|------|-----|------|---------|-------|-------|
| Ion Ratio | 100 | 15.8 | 19.3 | 0.0 | | | | |
| | | 0.0 | 0.0 | 0.0 | | | | |
| | | 45.2 | 48.3 | 0.0 | | | | |





#69
 Anthracene
 Concen: 12.62 ng/uL
 RT: 11.11 min Scan# 1067
 Delta R.T. -0.02 min
 Lab File: SV14128.D
 Acq: 15 Aug 106 9:20 am

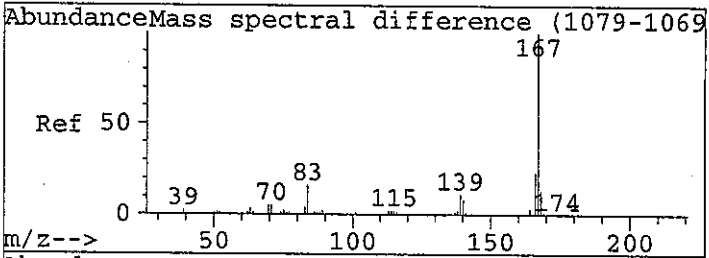
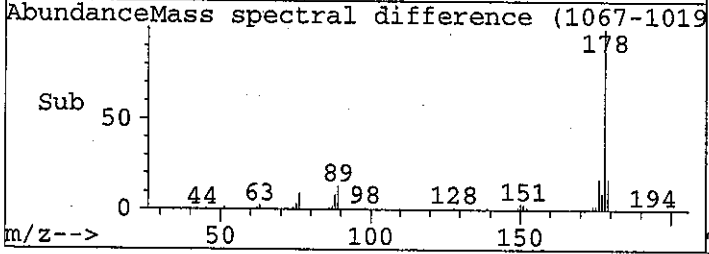
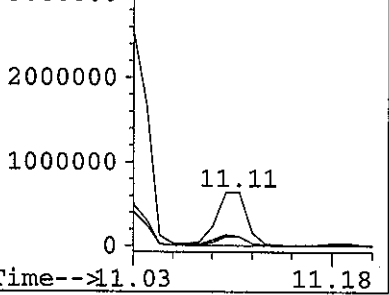


Tgt. Ion: 178 Resp: 1048573

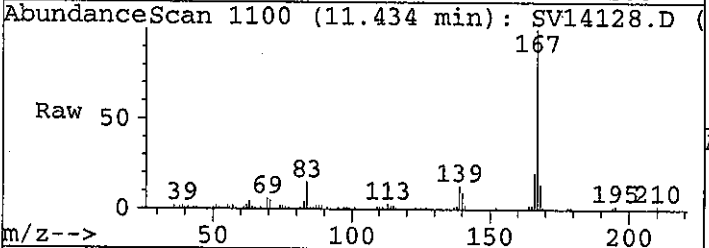
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100 | | |
| 179 | 17.0 | 0.0 | 45.5 |
| 176 | 17.4 | 0.0 | 48.0 |
| 0 | 0.0 | 0.0 | 0.0 |

Abundance

| Ion | 178.00 (177.) |
|-------------------|---------------|
| Ion 179.00 (178.) | |
| Ion 176.00 (175.) | |



#70
 Carbazole
 Concen: 5.64 ng/uL
 RT: 11.43 min Scan# 1100
 Delta R.T. -0.03 min
 Lab File: SV14128.D
 Acq: 15 Aug 106 9:20 am

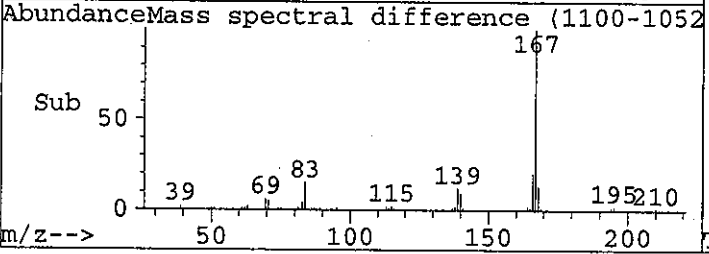
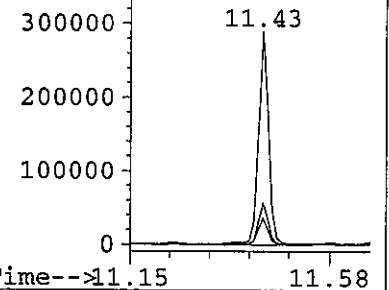


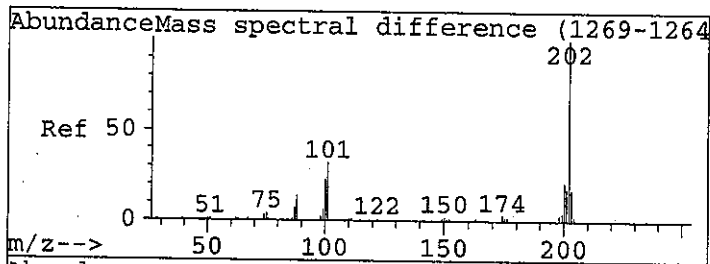
Tgt Ion: 167 Resp: 457391

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 167 | 100 | | |
| 166 | 19.6 | 0.0 | 49.8 |
| 139 | 12.6 | 0.0 | 42.9 |
| 0 | 0.0 | 0.0 | 0.0 |

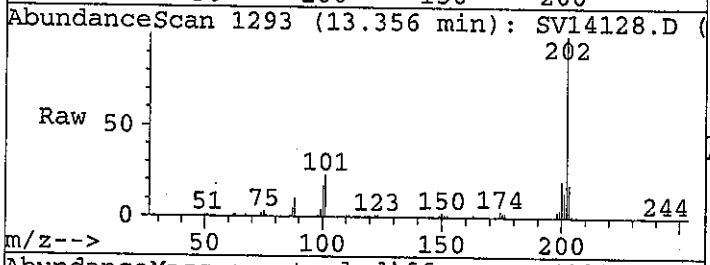
Abundance

| Ion | 167.00 (166.) |
|-------------------|---------------|
| Ion 166.00 (165.) | |
| Ion 139.00 (138.) | |

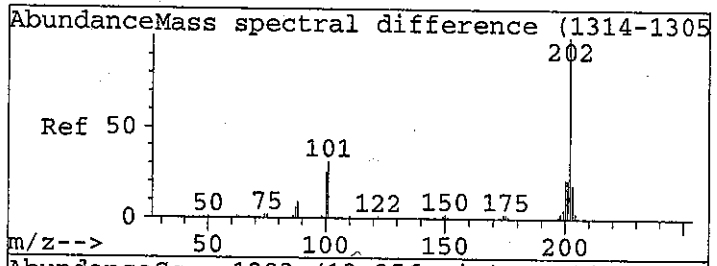
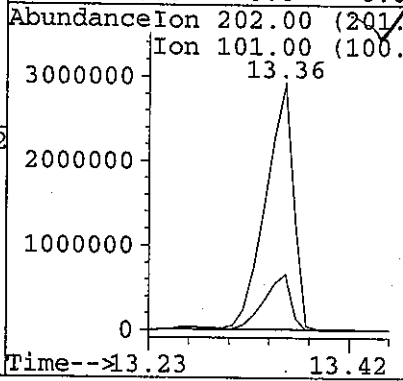
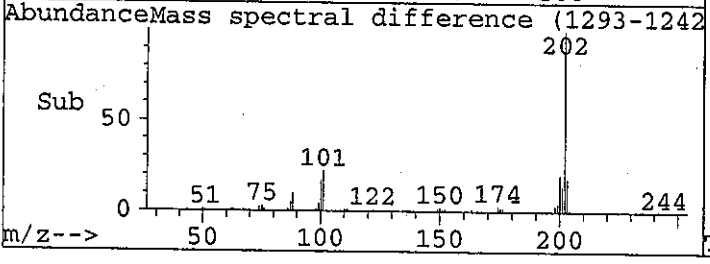




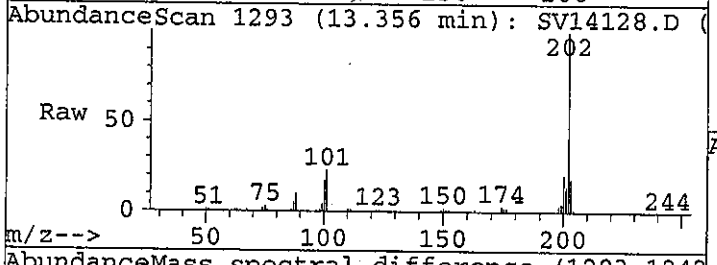
#72
 Fluoranthene
 Concen: 65.35 ng/uL
 RT: 13.36 min Scan# 1293
 Delta R.T. 0.01 min
 Lab File: SV14128.D
 Acq: 15 Aug 106 9:20 am



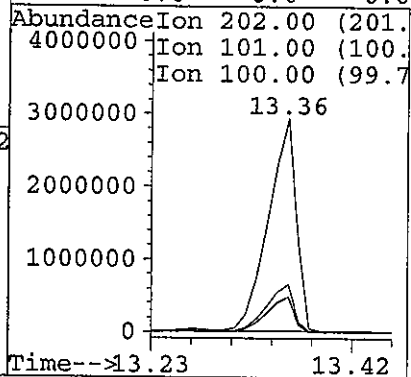
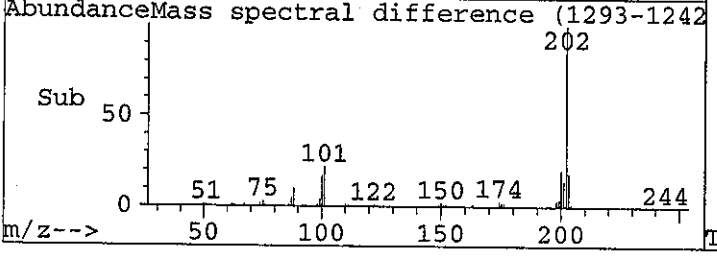
Tgt Ion:202 Resp: 5384123
 Ion Ratio Lower Upper
 202 100
 101 22.5 0.0 50.7
 0 0.0 0.0 0.0
 0 0.0 0.0 0.0

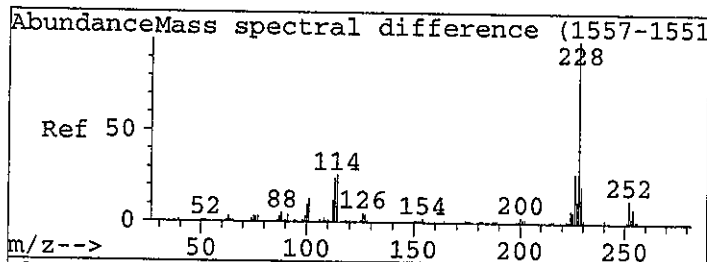


#75
 Pyrene
 Concen: 71.12 ng/uL
 RT: 13.36 min Scan# 1293
 Delta R.T. 0.01 min
 Lab File: SV14128.D
 Acq: 15 Aug 106 9:20 am



Tgt Ion:202 Resp: 5384123
 Ion Ratio Lower Upper
 202 100
 101 22.5 0.0 58.2
 100 16.6 0.0 52.2
 0 0.0 0.0 0.0

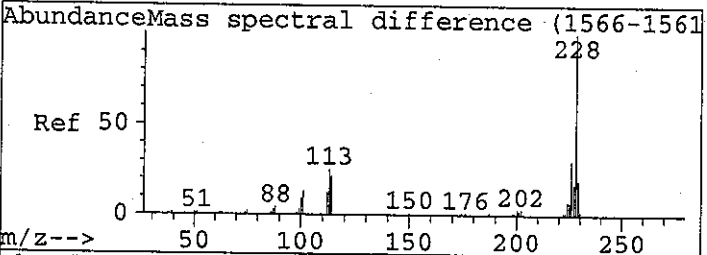
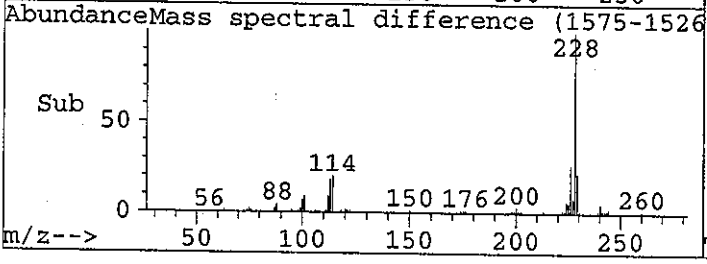
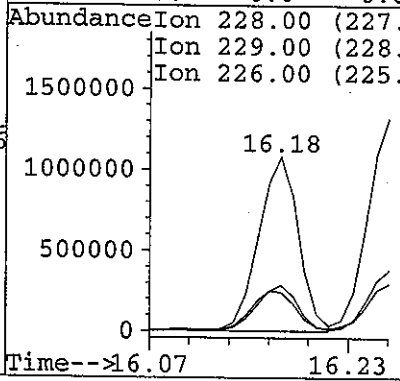
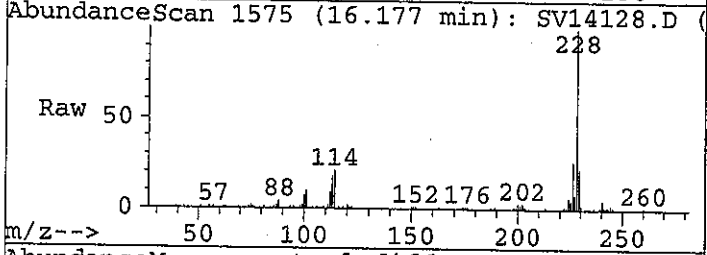




#79
 Benzo(a)anthracene
 Concen: 34.33 ng/uL
 RT: 16.18 min Scan# 1575
 Delta R.T. -0.01 min
 Lab File: SV14128.D
 Acq: 15 Aug 106 9:20 am

Tgt Ion: 228 Resp: 2526604

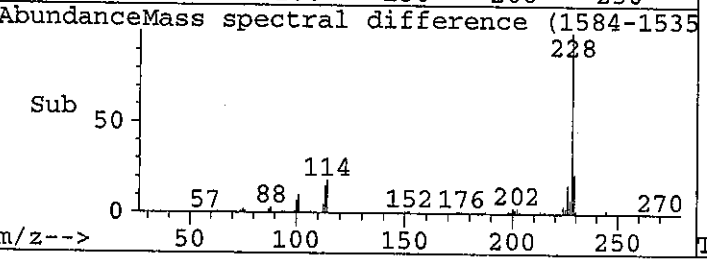
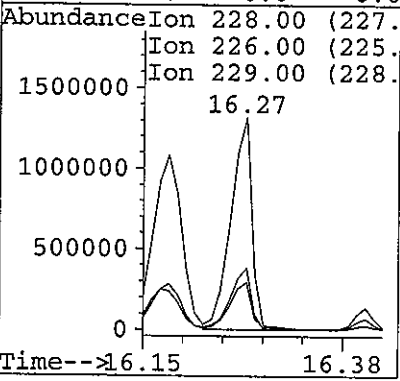
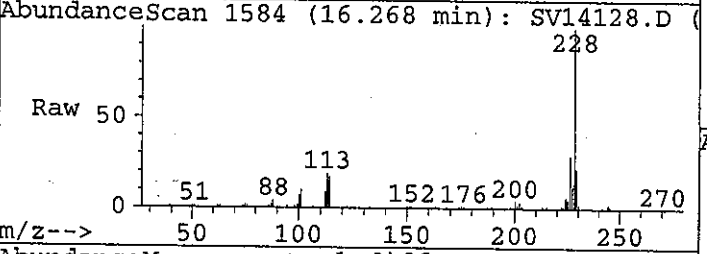
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100 | | |
| 229 | 22.4 | 0.0 | 49.6 |
| 226 | 26.4 | 0.0 | 55.5 |
| 0 | 0.0 | 0.0 | 0.0 |

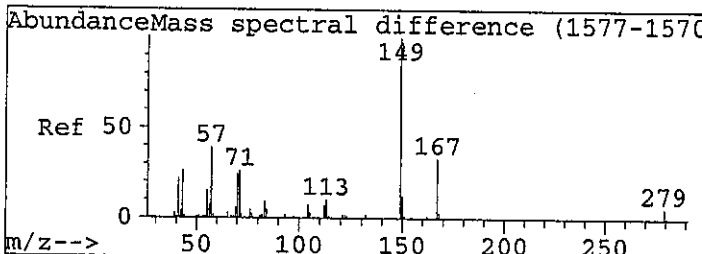


#80
 Chrysene
 Concen: 34.41 ng/uL
 RT: 16.27 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: SV14128.D
 Acq: 15 Aug 106 9:20 am

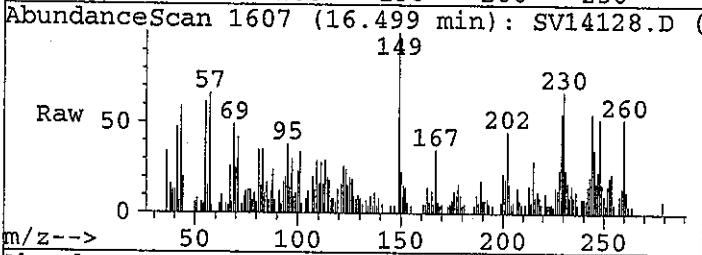
Tgt Ion: 228 Resp: 2269964

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100 | | |
| 226 | 28.9 | 0.0 | 57.8 |
| 229 | 22.4 | 0.0 | 49.7 |
| 0 | 0.0 | 0.0 | 0.0 |

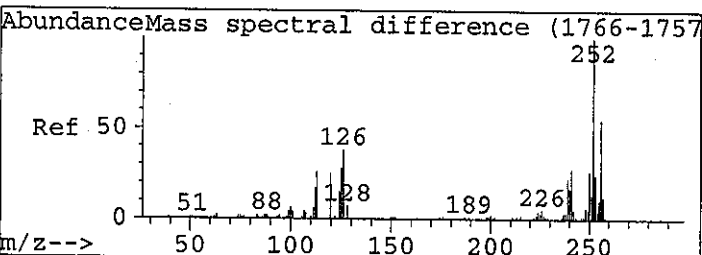
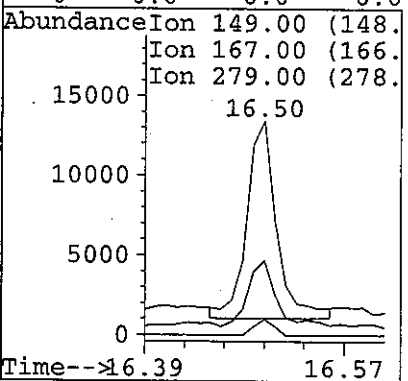
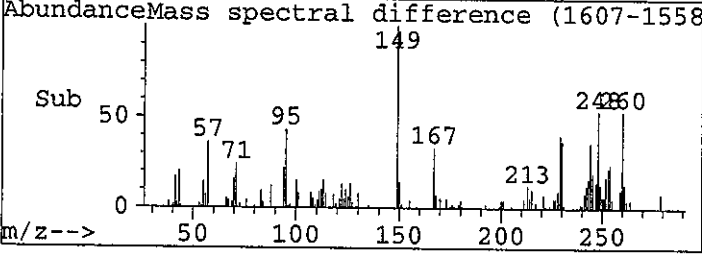




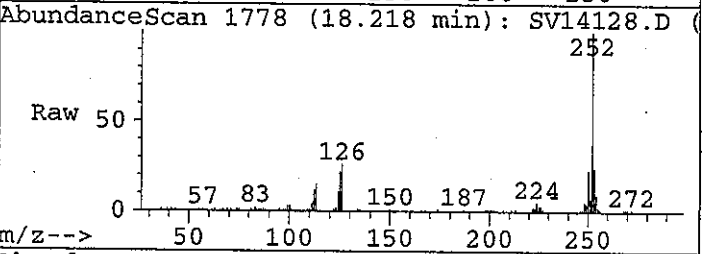
#81
 bis(2-Ethylhexyl)phthalate
 Concen: 1.33 ng/uL
 RT: 16.50 min Scan# 1607
 Delta R.T. -0.00 min
 Lab File: SV14128.D
 Acq: 15 Aug 106 9:20 am



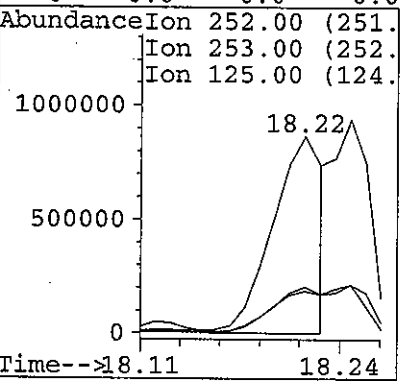
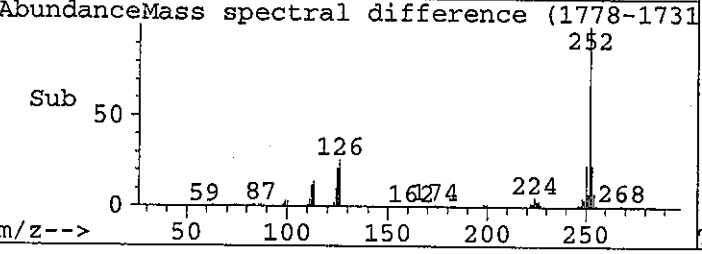
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 149 | 23822 | 100 | |
| 167 | 34.8 | 1.5 | 61.5 |
| 279 | 7.4 | 0.0 | 36.1 |
| 0 | 0.0 | 0.0 | 0.0 |

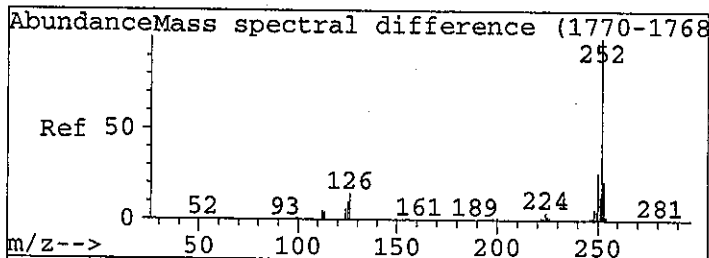


#84
 Benzo(b)fluoranthene
 Concen: 25.63 ng/uL m
 RT: 18.22 min Scan# 1778
 Delta R.T. -0.03 min
 Lab File: SV14128.D
 Acq: 15 Aug 106 9:20 am



| Tgt Ion | Resp | Lower | Upper |
|---------|---------|-------|-------|
| 252 | 2017055 | 100 | |
| 253 | 23.7 | 0.0 | 52.2 |
| 125 | 21.5 | 0.0 | 53.0 |
| 0 | 0.0 | 0.0 | 0.0 |

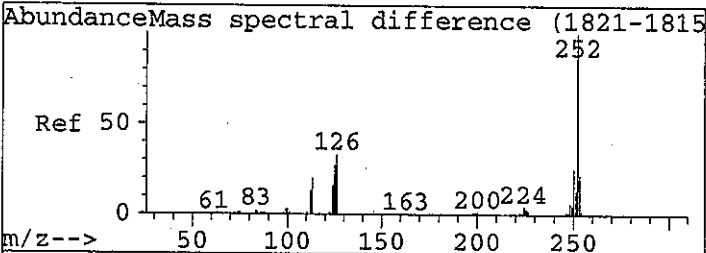
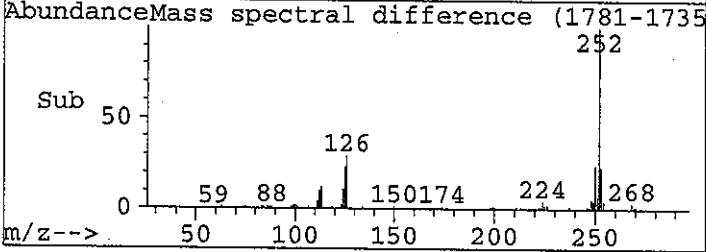
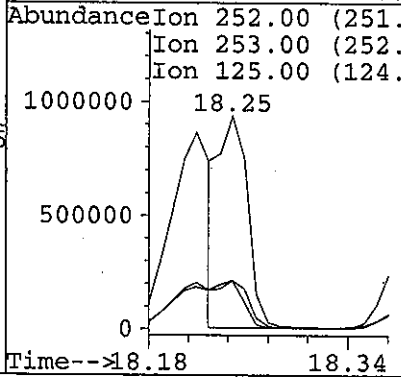
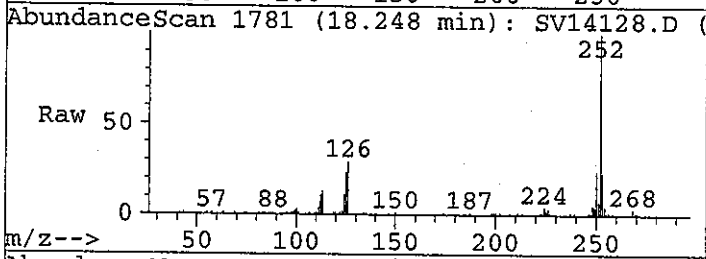




#85
 Benzo(k)fluoranthene
 Concen: 21.21 ng/uL
 RT: 18.25 min Scan# 1781
 Delta R.T. -0.04 min
 Lab File: SV14128.D
 Acq: 15 Aug 106 9:20 am

Tgt Ion:252 Resp: 1585225

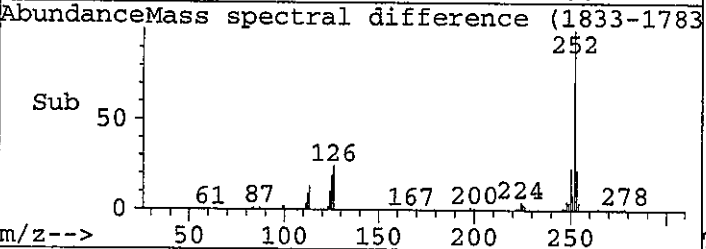
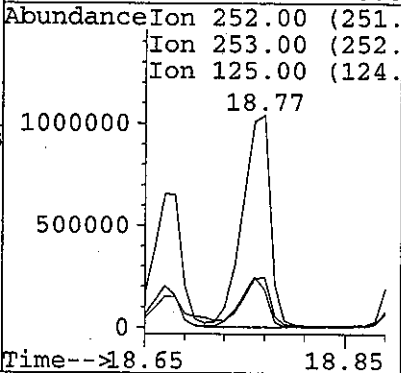
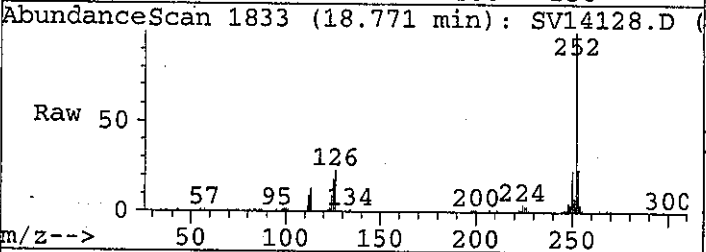
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100 | | |
| 253 | 22.8 | 0.0 | 54.7 |
| 125 | 22.8 | 0.0 | 59.1 |
| 0 | 0.0 | 0.0 | 0.0 |

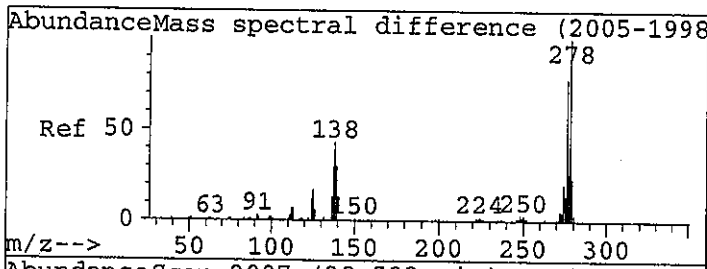


#86
 Benzo(a)pyrene
 Concen: 31.18 ng/uL
 RT: 18.77 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: SV14128.D
 Acq: 15 Aug 106 9:20 am

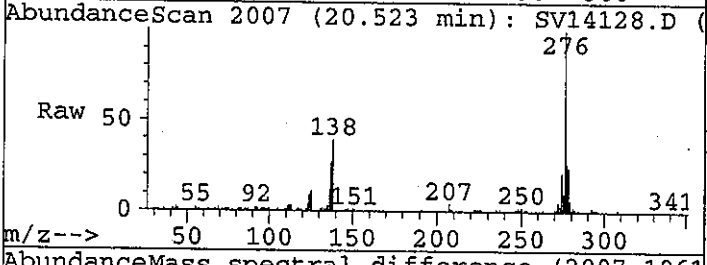
Tgt Ion:252 Resp: 2046688

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100 | | |
| 253 | 23.8 | 0.0 | 51.7 |
| 125 | 17.7 | 0.0 | 53.6 |
| 0 | 0.0 | 0.0 | 0.0 |

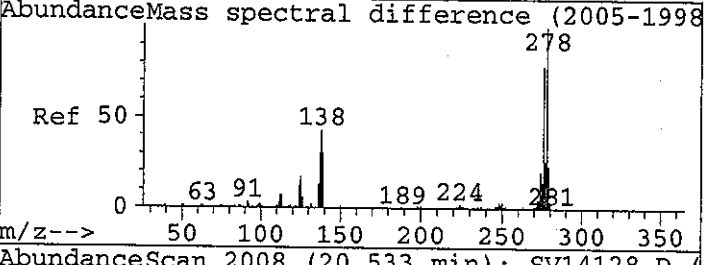
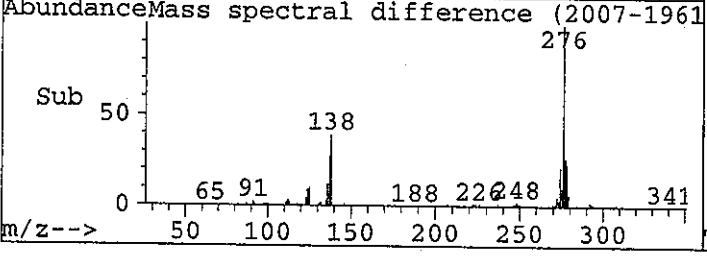
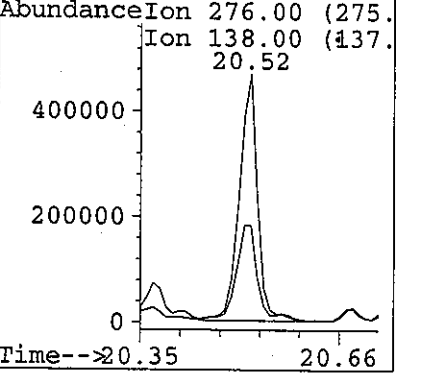




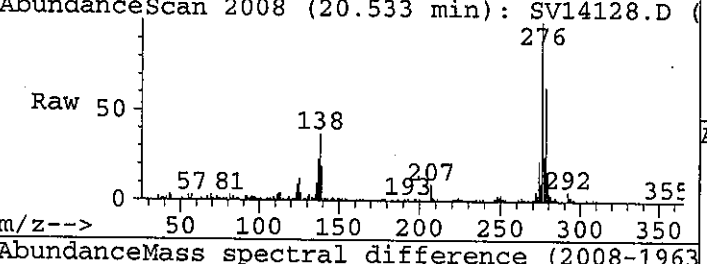
#87
 Indeno(1,2,3-Cd)Pyrene
 Concen: 13.29 ng/uL
 RT: 20.52 min Scan# 2007
 Delta R.T. -0.03 min
 Lab File: SV14128.D
 Acq: 15 Aug 106 9:20 am



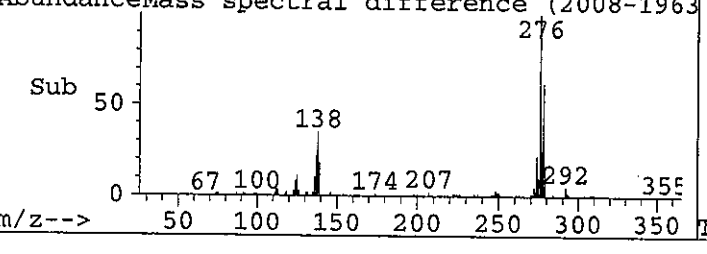
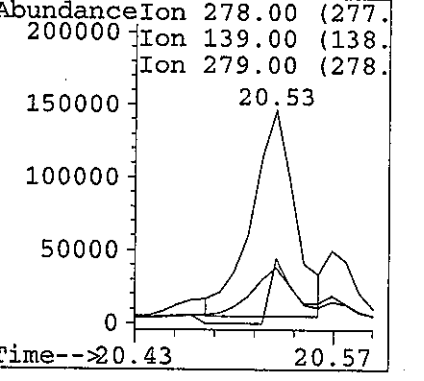
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 276 | 100 | | |
| 138 | 39.1 | 21.5 | 81.5 |
| 0 | 0.0 | 0.0 | 0.0 |
| 0 | 0.0 | 0.0 | 0.0 |

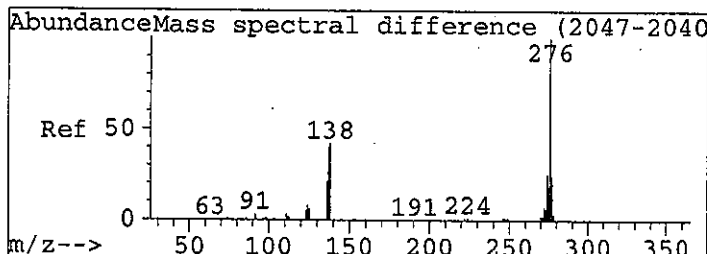


#88
 Dibenzo(a,h)Anthracene
 Concen: 6.94 ng/uL m
 RT: 20.53 min Scan# 2008
 Delta R.T. -0.04 min
 Lab File: SV14128.D
 Acq: 15 Aug 106 9:20 am

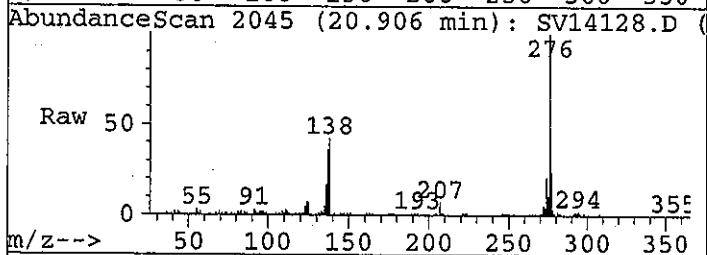


| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 278 | 100 | | |
| 139 | 30.5 | 10.9 | 70.9 |
| 279 | 26.1 | 0.0 | 53.9 |
| 0 | 0.0 | 0.0 | 0.0 |



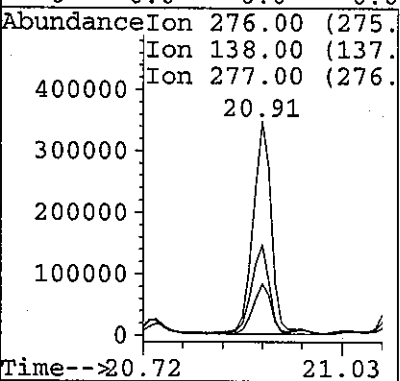
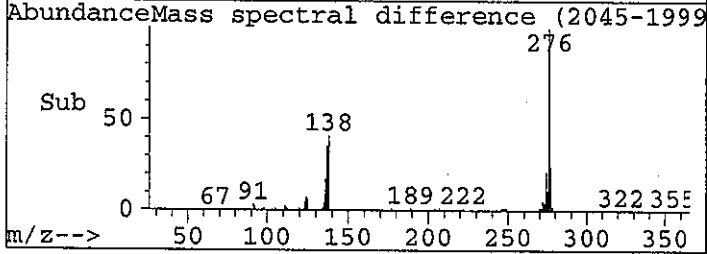


#89
 Benzo(g,h,i)perylene
 Concen: 11.55 ng/uL
 RT: 20.91 min Scan# 2045
 Delta R.T. -0.03 min
 Lab File: SV14128.D
 Acq: 15 Aug 106 9:20 am



Tgt Ion: 276 Resp: 688791

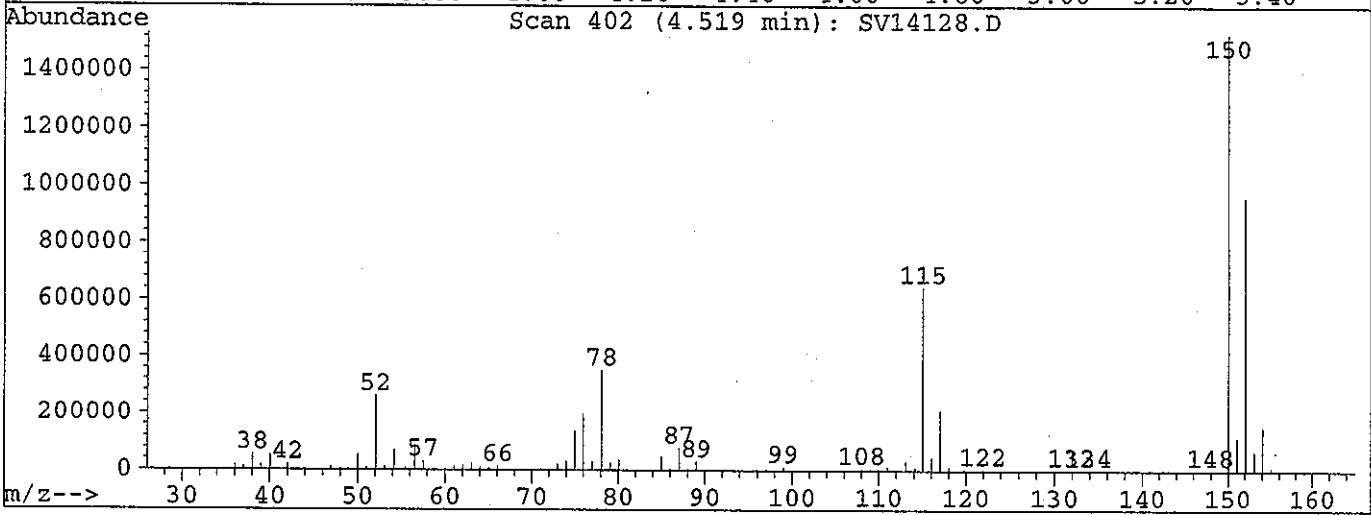
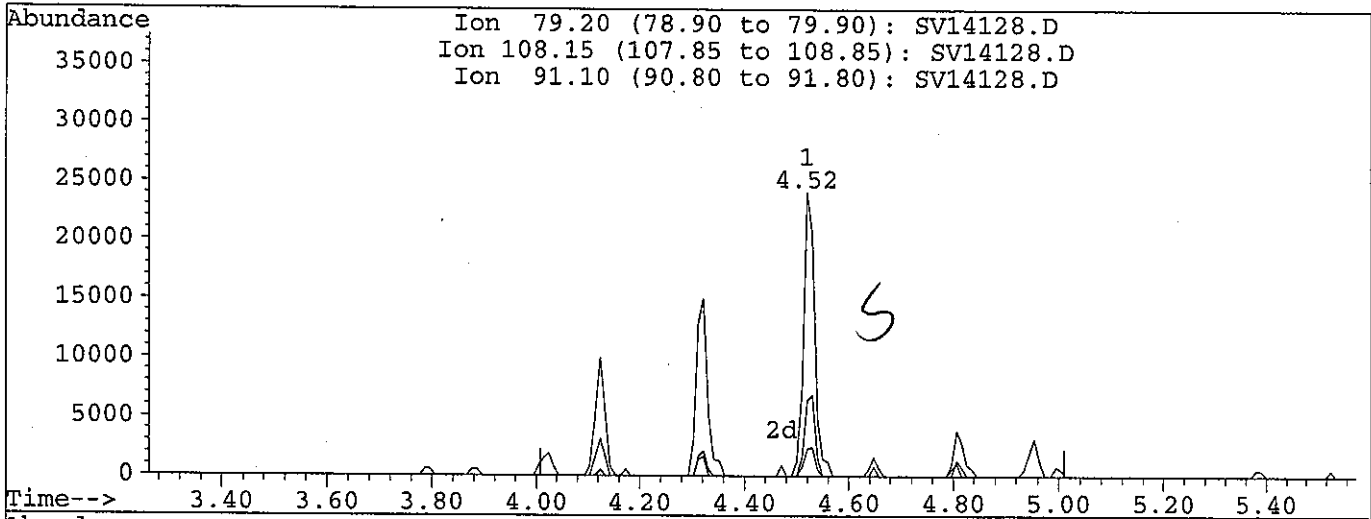
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100 | | |
| 138 | 42.4 | 16.8 | 76.8 |
| 277 | 24.2 | 0.0 | 53.5 |
| 0 | 0.0 | 0.0 | 0.0 |



Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\MD081506\SV14128.D Vial: 4
 Acq On : 15 Aug 106 9:20 am Operator: JLS
 Sample : 0608248-10 Inst : SVOA-MS1
 Misc : Multiplr: 1.00
 Quant Time: Aug 15 9:47 19106

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
 Title : ELEMENT ID: 0607036(SOIL) 0607037(AQUEOUS)
 Last Update : Tue Aug 15 09:42:45 2006
 Response via : Multiple Level Calibration



TIC: SV14128.D

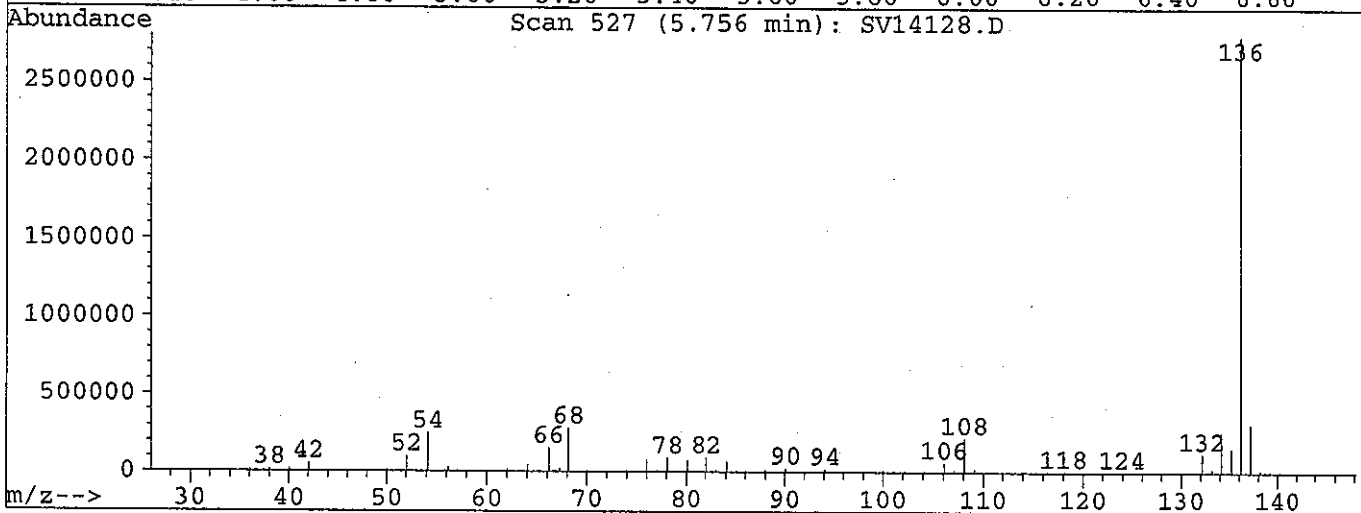
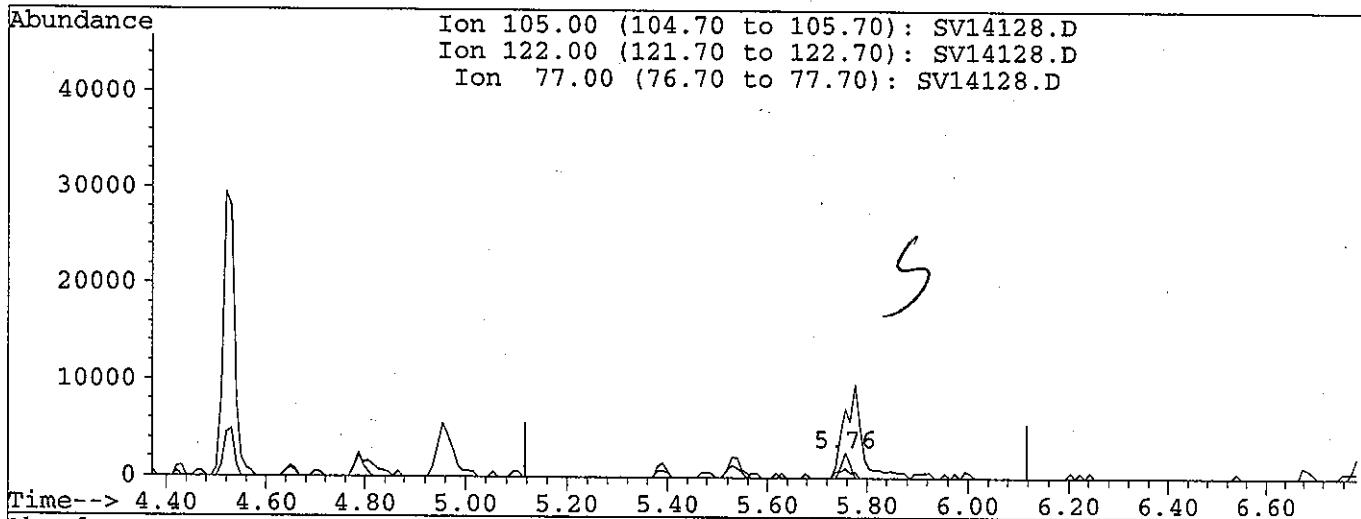
(15) Benzyl Alcohol
 4.52min 1.31ng/ul
 response 36154

| Ion | Exp% | Act% |
|--------|-------|--------|
| 79.20 | 100 | 100 |
| 108.15 | 83.40 | 26.92# |
| 91.10 | 15.00 | 9.53 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\MD081506\SV14128.D Vial: 4
 Acq On : 15 Aug 106 9:20 am Operator: JLS
 Sample : 0608248-10 Inst : SVOA-MS1
 Misc : Multiplr: 1.00
 Quant Time: Aug 15 9:48 19106

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
 Title : ELEMENT ID: 0607036(SOIL) 0607037(AQUEOUS)
 Last Update : Tue Aug 15 09:42:45 2006
 Response via : Multiple Level Calibration



TIC: SV14128.D

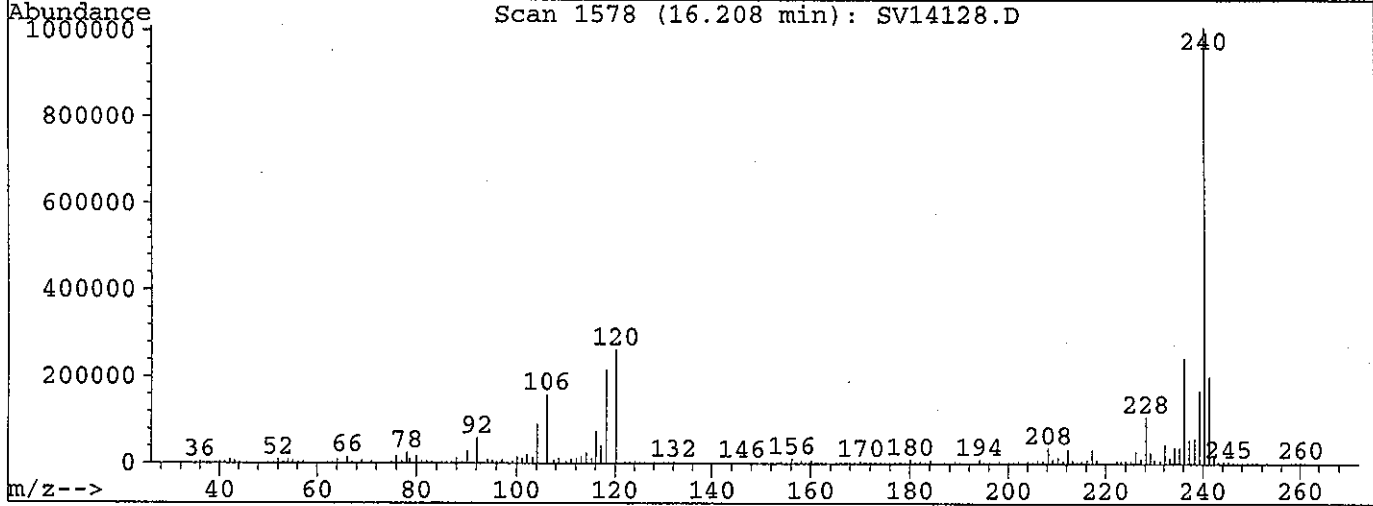
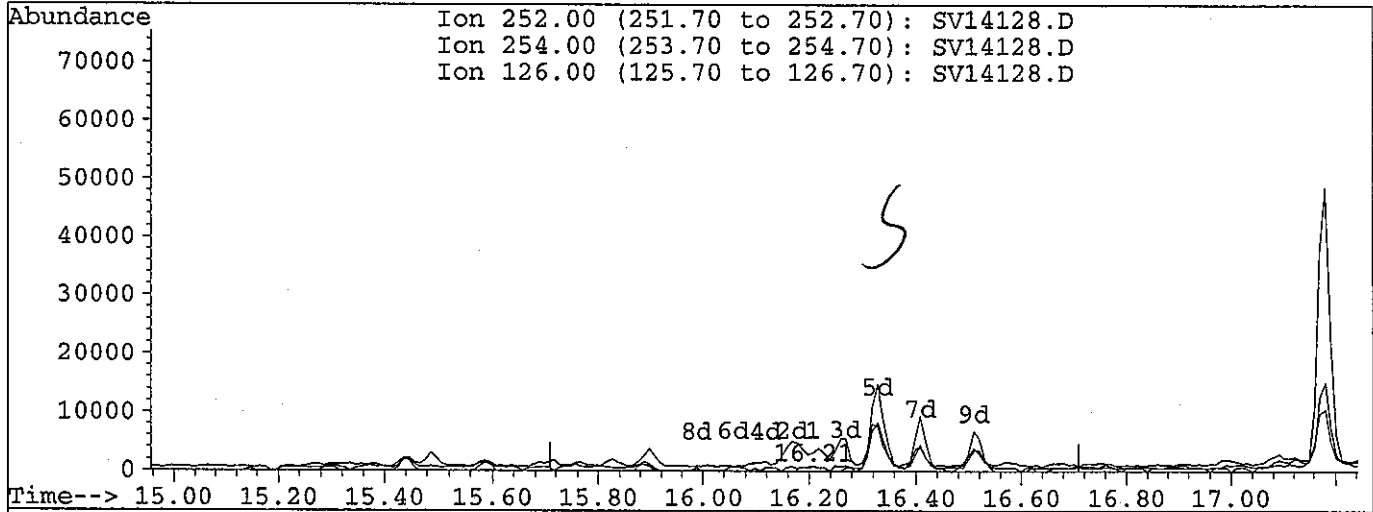
(27) Benzoic Acid
 5.76min 9.28ng/uL
 response 3201

| Ion | Exp% | Act% |
|--------|-------|---------|
| 105.00 | 100 | 100 |
| 122.00 | 83.20 | 38.64# |
| 77.00 | 68.00 | 272.17# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\MD081506\SV14128.D Vial: 4
 Acq On : 15 Aug 106 9:20 am Operator: JLS
 Sample : 0608248-10 Inst : SVOA-MS1
 Misc : Multiplr: 1.00
 Quant Time: Aug 15 9:48 19106

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
 Title : ELEMENT ID: 0607036(SOIL) 0607037(AQUEOUS)
 Last Update : Tue Aug 15 09:42:45 2006
 Response via : Multiple Level Calibration



TIC: SV14128.D

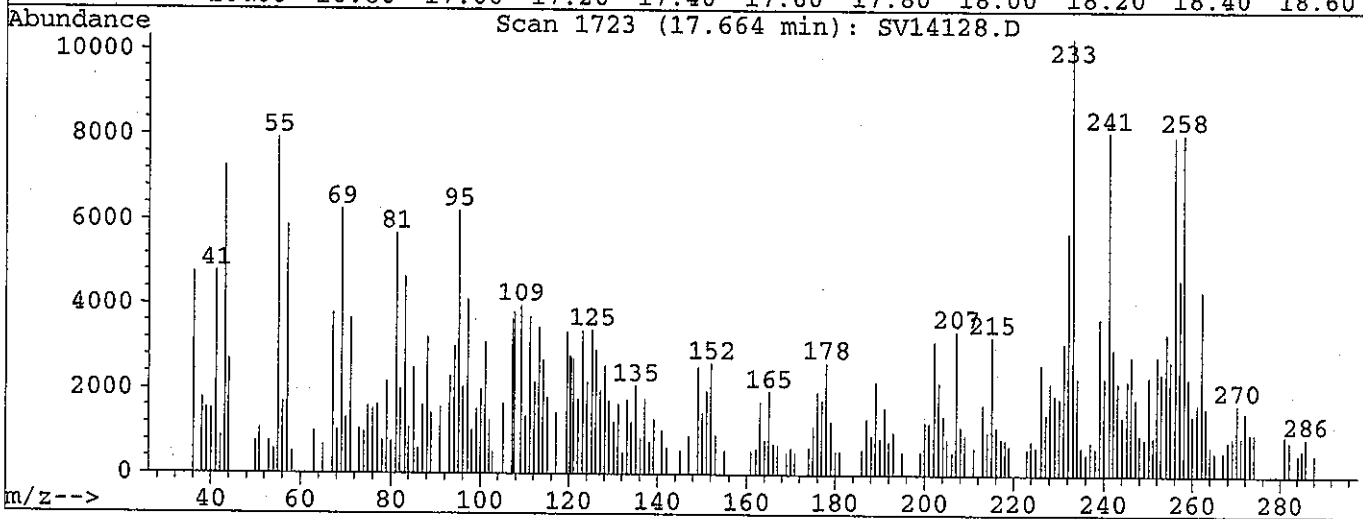
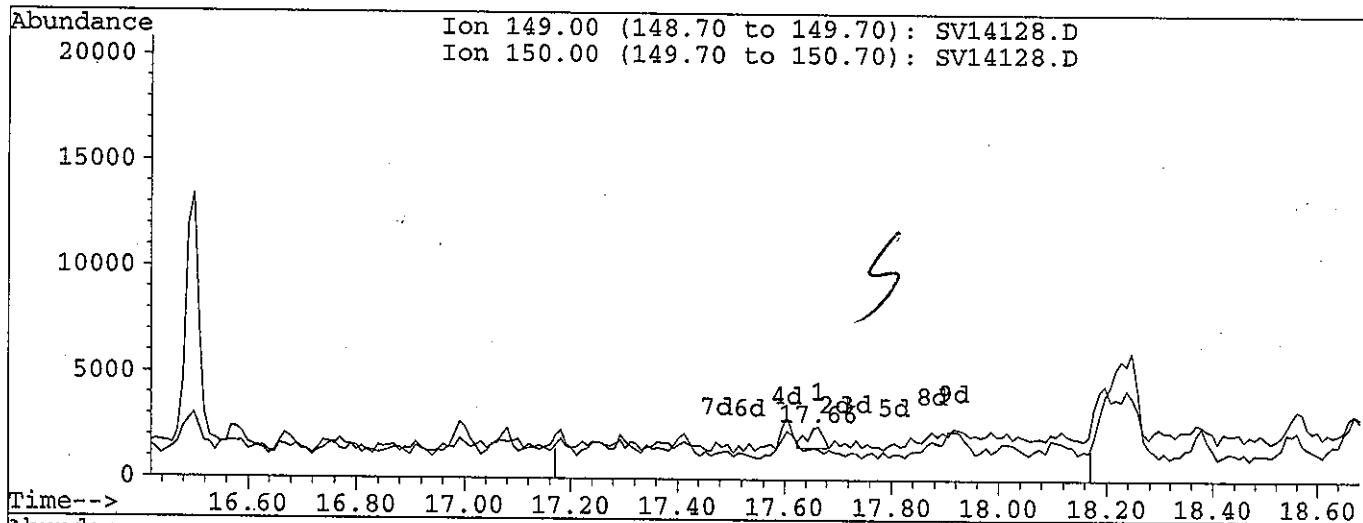
(78) 3,3'-Dichlorobenzidine
 16.21min 1.16ng/uL
 response 2008

| Ion | Exp% | Act% |
|--------|-------|---------|
| 252.00 | 100 | 100 |
| 254.00 | 63.40 | 0.00# |
| 126.00 | 26.10 | 385.87# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\MD081506\SV14128.D Vial: 4
 Acq On : 15 Aug 106 9:20 am Operator: JLS
 Sample : 0608248-10 Inst : SVOA-MS1
 Misc : Multiplr: 1.00
 Quant Time: Aug 15 9:49 19106

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
 Title : ELEMENT ID: 0607036(SOIL) 0607037(AQUEOUS)
 Last Update : Tue Aug 15 09:42:45 2006
 Response via : Multiple Level Calibration



TIC: SV14128.D

(83) Di-n-octylphthalate (C)

17.66min 6.60ng/uL

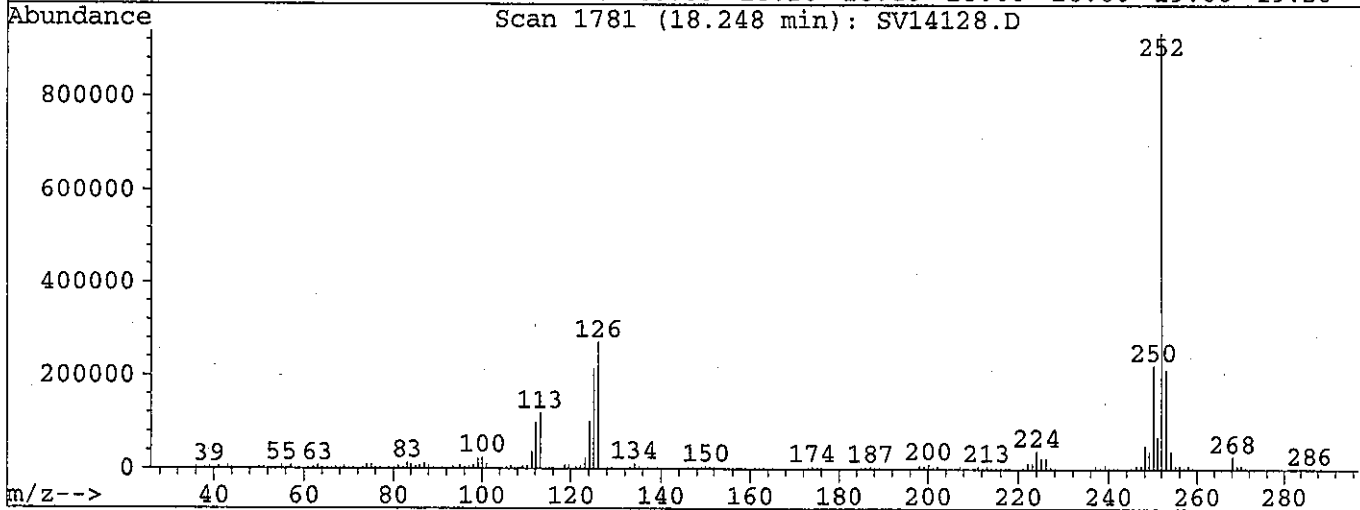
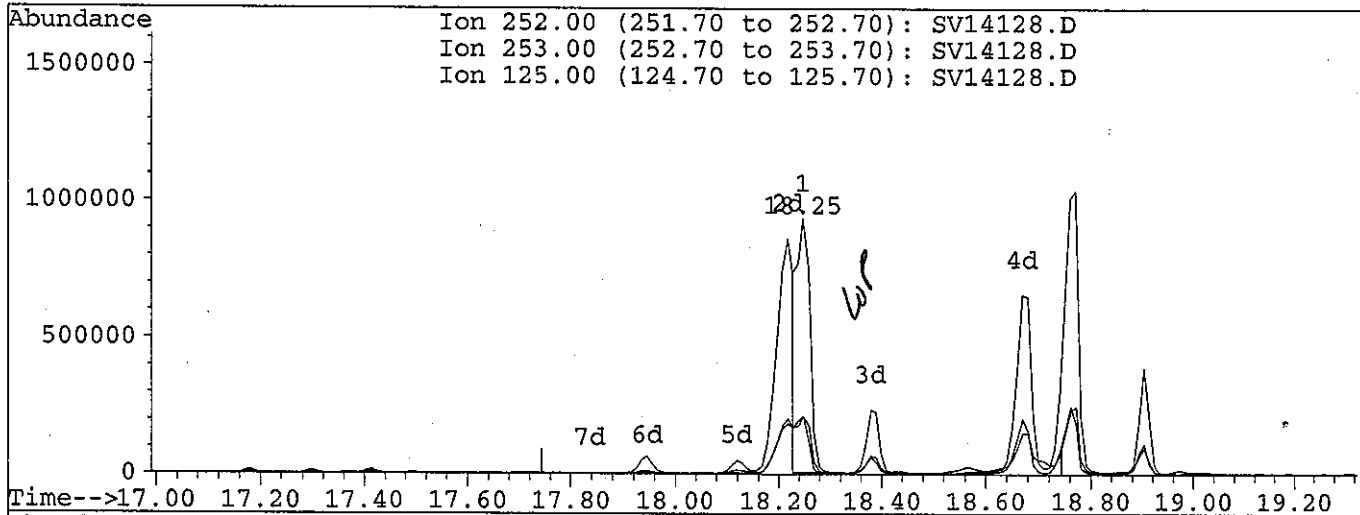
response 2057

| Ion | Exp% | Act% |
|--------|------|--------|
| 149.00 | 100 | 100 |
| 150.00 | 9.80 | 57.13# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\MD081506\SV14128.D Vial: 4
 Acq On : 15 Aug 106 9:20 am Operator: JLS
 Sample : 0608248-10 Inst : SVOA-MS1
 Misc : Multiplr: 1.00
 Quant Time: Aug 15 9:49 19106

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
 Title : ELEMENT ID: 0607036(SOIL) 0607037(AQUEOUS)
 Last Update : Tue Aug 15 09:42:45 2006
 Response via : Multiple Level Calibration



TIC: SV14128.D

(84) Benzo(b)fluoranthene

18.25min 21.97ng/uL

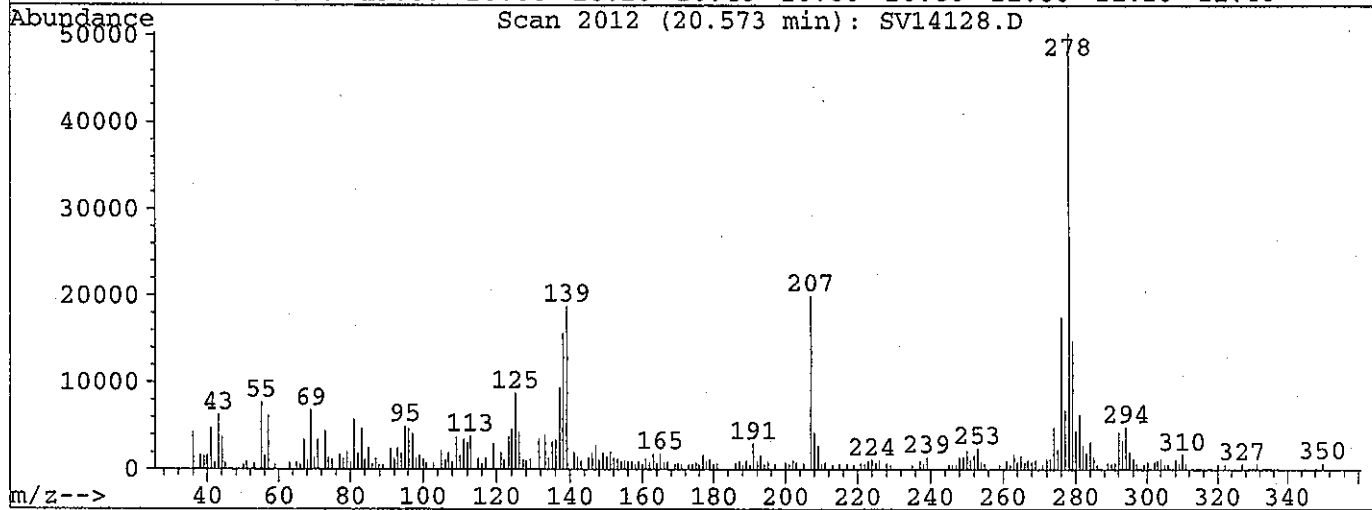
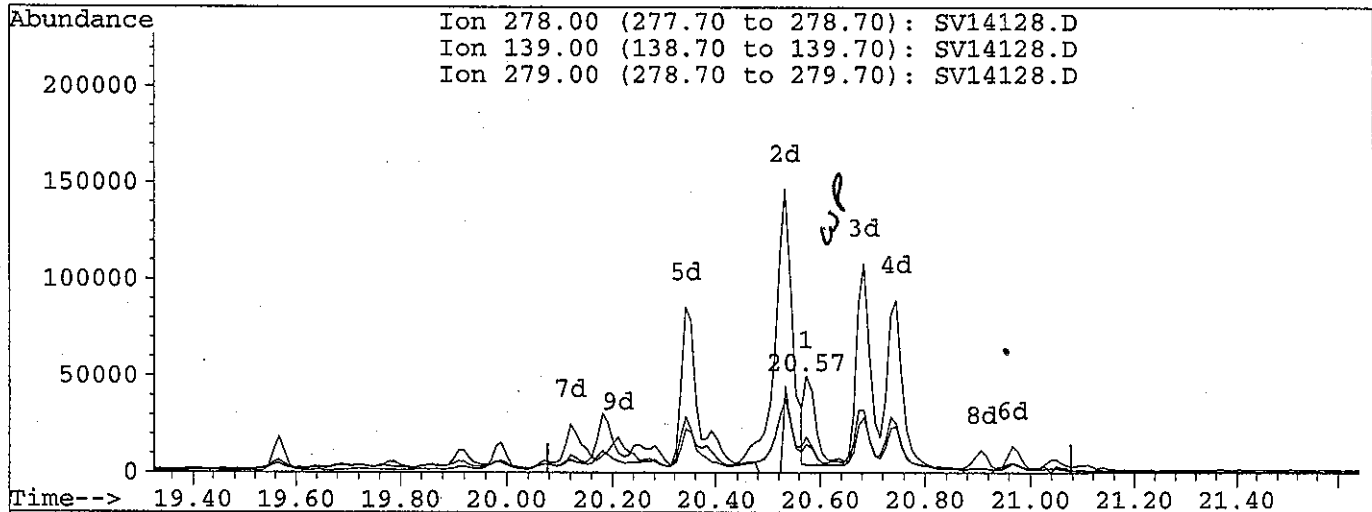
response 1585225

| Ion | Exp% | Act% |
|--------|-------|-------|
| 252.00 | 100 | 100 |
| 253.00 | 22.20 | 22.78 |
| 125.00 | 23.00 | 22.78 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\MD081506\SV14128.D Vial: 4
 Acq On : 15 Aug 106 9:20 am Operator: JLS
 Sample : 0608248-10 Inst : SVOA-MS1
 Misc : Multiplr: 1.00
 Quant Time: Aug 15 9:49 19106

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
 Title : ELEMENT ID: 0607036(SOIL) 0607037(AQUEOUS)
 Last Update : Tue Aug 15 09:42:45 2006
 Response via : Multiple Level Calibration



TIC: SV14128.D

(88) Dibenzo(a,h)Anthracene

20.57min 3.55ng/uL

response 68977

| Ion | Exp% | Act% |
|--------|-------|-------|
| 278.00 | 100 | 100 |
| 139.00 | 40.90 | 37.27 |
| 279.00 | 23.90 | 29.28 |
| 0.00 | 0.00 | 0.00 |

QA/QC Check Report

Data File: SV14128.D
Sample Name: 0608248-10
Misc Info :

Analysis Time: 15 Aug 106 9:20 am

=====
Internal Standard Comparison
Std Data File: Q:\SVOA\MS1_MD\MD0806\MD081506\SV14126.D
Analysis Time: 15 Aug 106 8:14 am

| Internal Standard | Sample Area | Std Area | % Recovery |
|---------------------------|-------------|----------|------------|
| 1) 1,4-Dichlorobenzene-d4 | 1009154 | 947502 | 106.5 |
| 22) Naphthalene-d8 | 3727576 | 3696756 | 100.8 |
| 38) Acenaphthene-d10 | 1826063 | 1745422 | 104.6 |
| 59) Phenanthrene-d10 | 2817408 | 2733158 | 103.1 |
| 74) Chrysene-d12 | 2357794 | 2685192 | 87.8 |
| 82) Perylene-d12 | 2313396 | 2488306 | 93.0 |

% Recovery = (Sample Area/Std Area)*100

** = Outside Limits

Semi-Volatile Organics Quality Control Data

METHOD BLANK DATA SHEET

8270C

| | | |
|--|--|-----------------------------------|
| Laboratory: <u>ESS Laboratory</u> | SDG: <u>0608248</u> | |
| Client: <u>MACTEC Engineering & Consulting, Inc.</u> | Project: <u>Providence Gorham Site</u> | |
| Matrix: <u>Solid</u> | Laboratory ID: <u>BH61402-BLK1</u> | File ID: <u>SV14110.D</u> |
| Prepared: <u>08/14/06 16:30</u> | Preparation: <u>3541</u> | Initial/Final: <u>20 g / 1 ml</u> |
| Analyzed: <u>08/14/06 23:42</u> | Instrument: <u>SVOA-MS1</u> | |
| Batch: <u>BH61402</u> | Sequence: <u>BPH0158</u> | Calibration: <u>0608031</u> |

| CAS NO. | COMPOUND | CONC. (ug/Kg wet) | Q |
|-----------|------------------------------|-------------------|---|
| 92-52-4 | 1,1-Biphenyl | 500 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 500 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 500 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 500 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 500 | U |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 2500 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 500 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 500 | U |
| 120-83-2 | 2,4-Dichlorophenol | 500 | U |
| 105-67-9 | 2,4-Dimethylphenol | 500 | U |
| 51-28-5 | 2,4-Dinitrophenol | 2500 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 500 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 500 | U |
| 91-58-7 | 2-Chloronaphthalene | 500 | U |
| 95-57-8 | 2-Chlorophenol | 500 | U |
| 91-57-6 | 2-Methylnaphthalene | 500 | U |
| 95-48-7 | 2-Methylphenol | 500 | U |
| 88-74-4 | 2-Nitroaniline | 500 | U |
| 88-75-5 | 2-Nitrophenol | 500 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 500 | U |
| 106-44-5 | 3+4-Methylphenol | 1000 | U |
| 99-09-2 | 3-Nitroaniline | 500 | U |
| 534-52-1 | 4,6-Dinitro-2-Methylphenol | 2500 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 500 | U |
| 59-50-7 | 4-Chloro-3-Methylphenol | 500 | U |
| 106-47-8 | 4-Chloroaniline | 500 | U |
| 7005-72-3 | 4-Chloro-phenyl-phenyl ether | 500 | U |
| 100-01-6 | 4-Nitroaniline | 500 | U |
| 100-02-7 | 4-Nitrophenol | 2500 | U |
| 83-32-9 | Acenaphthene | 500 | U |

METHOD BLANK DATA SHEET

8270C

| | | | |
|--|--|-----------------------------------|--|
| Laboratory: <u>ESS Laboratory</u> | SDG: <u>0608248</u> | | |
| Client: <u>MACTEC Engineering & Consulting, Inc.</u> | Project: <u>Providence Gorham Site</u> | | |
| Matrix: <u>Solid</u> | Laboratory ID: <u>BH61402-BLK1</u> | File ID: <u>SV14110.D</u> | |
| Prepared: <u>08/14/06 16:30</u> | Preparation: <u>3541</u> | Initial/Final: <u>20 g / 1 ml</u> | |
| Analyzed: <u>08/14/06 23:42</u> | Instrument: <u>SVOA-MS1</u> | | |
| Batch: <u>BH61402</u> | Sequence: <u>BPH0158</u> | Calibration: <u>0608031</u> | |

| CAS NO. | COMPOUND | CONC. (ug/Kg wet) | Q |
|------------|-----------------------------|-------------------|---|
| 208-96-8 | Acenaphthylene | 500 | U |
| 98-86-2 | Acetophenone | 500 | U |
| 62-53-3 | Aniline | 500 | U |
| 120-12-7 | Anthracene | 500 | U |
| 103-33-3 | Azobenzene | 500 | U |
| 56-55-3 | Benzo(a)anthracene | 500 | U |
| 50-32-8 | Benzo(a)pyrene | 500 | U |
| 205-99-2 | Benzo(b)fluoranthene | 500 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 500 | U |
| 207-08-9 | Benzo(k)fluoranthene | 500 | U |
| 65-85-0 | Benzoic Acid | 2500 | U |
| 100-51-6 | Benzyl Alcohol | 500 | U |
| 111-91-1 | bis(2-Chloroethoxy)methane | 500 | U |
| 111-44-4 | bis(2-Chloroethyl)ether | 500 | U |
| 39638-32-9 | bis(2-chloroisopropyl)Ether | 500 | U |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 500 | U |
| 85-68-7 | Butylbenzylphthalate | 500 | U |
| 86-74-8 | Carbazole | 500 | U |
| 218-01-9 | Chrysene | 500 | U |
| 53-70-3 | Dibenzo(a,h)Anthracene | 500 | U |
| 132-64-9 | Dibenzofuran | 500 | U |
| 84-66-2 | Diethylphthalate | 500 | U |
| 131-11-3 | Dimethylphthalate | 500 | U |
| 84-74-2 | Di-n-butylphthalate | 500 | U |
| 117-84-0 | Di-n-octylphthalate | 500 | U |
| 206-44-0 | Fluoranthene | 500 | U |
| 86-73-7 | Fluorene | 500 | U |
| 118-74-1 | Hexachlorobenzene | 500 | U |
| 87-68-3 | Hexachlorobutadiene | 500 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 2500 | U |

METHOD BLANK DATA SHEET

8270C

| | | |
|--|--|-----------------------------------|
| Laboratory: <u>ESS Laboratory</u> | SDG: <u>0608248</u> | |
| Client: <u>MACTEC Engineering & Consulting, Inc.</u> | Project: <u>Providence Gorham Site</u> | |
| Matrix: <u>Solid</u> | Laboratory ID: <u>BH61402-BLK1</u> | File ID: <u>SV14110.D</u> |
| Prepared: <u>08/14/06 16:30</u> | Preparation: <u>3541</u> | Initial/Final: <u>20 g / 1 ml</u> |
| Analyzed: <u>08/14/06 23:42</u> | Instrument: <u>SVOA-MS1</u> | |
| Batch: <u>BH61402</u> | Sequence: <u>BPH0158</u> | Calibration: <u>0608031</u> |

| CAS NO. | COMPOUND | CONC. (ug/Kg wet) | Q |
|----------|----------------------------|-------------------|---|
| 67-72-1 | Hexachloroethane | 1000 | U |
| 193-39-5 | Indeno(1,2,3-cd)Pyrene | 500 | U |
| 78-59-1 | Isophorone | 500 | U |
| 91-20-3 | Naphthalene | 500 | U |
| 98-95-3 | Nitrobenzene | 500 | U |
| 62-75-9 | N-Nitrosodimethylamine | 500 | U |
| 621-64-7 | N-Nitroso-Di-n-Propylamine | 500 | U |
| 86-30-6 | N-nitrosodiphenylamine | 500 | U |
| 87-86-5 | Pentachlorophenol | 2500 | U |
| 85-01-8 | Phenanthrene | 500 | U |
| 108-95-2 | Phenol | 500 | U |
| 129-00-0 | Pyrene | 500 | U |
| 110-86-1 | Pyridine | 2500 | U |

| SYSTEM MONITORING COMPOUND | ADDED (ug/Kg wet) | CONC (ug/Kg wet) | % REC | QC LIMITS | Q |
|----------------------------|-------------------|------------------|-------|-----------|---|
| 1,2-Dichlorobenzene-d4 | 5000 | 3470 | 69 | 30 - 130 | |
| 2,4,6-Tribromophenol | 7500 | 5740 | 77 | 30 - 130 | |
| 2-Chlorophenol-d4 | 7500 | 5050 | 67 | 30 - 130 | |
| 2-Fluorobiphenyl | 5000 | 3710 | 74 | 30 - 130 | |
| 2-Fluorophenol | 7500 | 4910 | 65 | 30 - 130 | |
| Nitrobenzene-d5 | 5000 | 3390 | 68 | 30 - 130 | |
| Phenol-d6 | 7500 | 4980 | 66 | 30 - 130 | |
| p-Terphenyl-d14 | 5000 | 4840 | 97 | 30 - 130 | |

Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\MD081406\SV14110.D Vial: 9
 Acq On : 14 Aug 106 11:42 pm Operator: VSC
 Sample : BH61402-BLK1 Inst : SVOA-MS1
 Misc : Multiplr: 1.00
 Quant Time: Aug 15 10:18 19106

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
 Title : ELEMENT ID: 0607036(SOIL) 0607037(AQUEOUS)
 Last Update : Tue Aug 15 10:05:44 2006
 Response via : Multiple Level Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 4.32 | 152 | 766978 | 40.00 | ng/uL | 0.00 |
| 22) Naphthalene-d8 | 5.76 | 136 | 2954985 | 40.00 | ng/uL | 0.00 |
| 38) Acenaphthene-d10 | 8.34 | 164 | 1336957 | 40.00 | ng/uL | -0.01 |
| 59) Phenanthrene-d10 | 10.99 | 188 | 1981555 | 40.00 | ng/uL | 0.00 |
| 74) Chrysene-d12 | 16.21 | 240 | 1496365 | 40.00 | ng/uL | -0.01 |
| 82) Perylene-d12 | 18.85 | 264 | 1395677 | 40.00 | ng/uL | 0.00 |

| System Monitoring Compounds | R.T. | QIon | Response | Conc | Units | %Recovery |
|----------------------------------|-------|------|----------|--------|-------|-----------|
| 4) 2-Fluorophenol (SURR) | 2.83 | 112 | 2825485 | 98.12 | ng/uL | 65.41% |
| 6) Phenol-d5 (SURR) | 4.02 | 99 | 3648743 | 99.53 | ng/uL | 66.35% |
| 10) 2-Chlorophenol-d4 (SURR) | 4.13 | 132 | 2864069 | 100.96 | ng/uL | 67.31% |
| 13) 1,2 Dichlorobenzene-d4 (SUR) | 4.53 | 152 | 1159258 | 69.47 | ng/uL | 69.47% |
| 23) Nitrobenzene-d5 (SURR) | 4.96 | 82 | 1835215 | 67.81 | ng/uL | 67.81% |
| 42) 2-Fluorobiphenyl (SURR) | 7.26 | 172 | 3254496 | 74.12 | ng/uL | 74.12% |
| 64) 2,4,6-Tribromophenol (SURR) | 9.74 | 330 | 916953 | 114.75 | ng/uL | 76.50% |
| 76) Terphenyl-d14 (SURR) | 14.19 | 244 | 3085418 | 96.89 | ng/uL | 96.89% |

Target Compounds

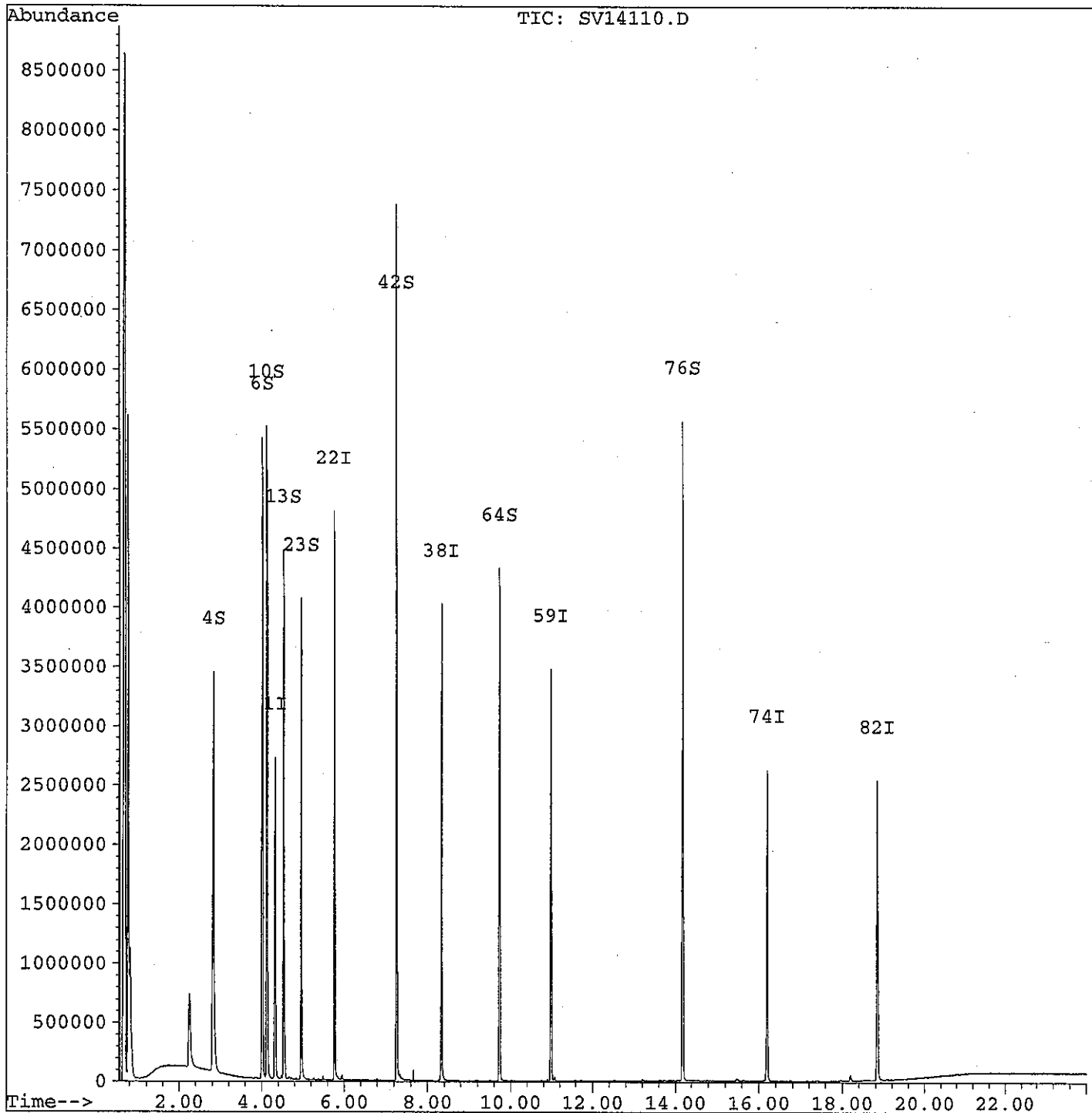
Qvalue

*JCS
8/15/06*

Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\MD081406\SV14110.D Vial: 9
Acq On : 14 Aug 106 11:42 pm Operator: VSC
Sample : BH61402-BLK1 Inst : SVOA-MS1
Misc : Multiplr: 1.00
Quant Time: Aug 15 10:18 19106

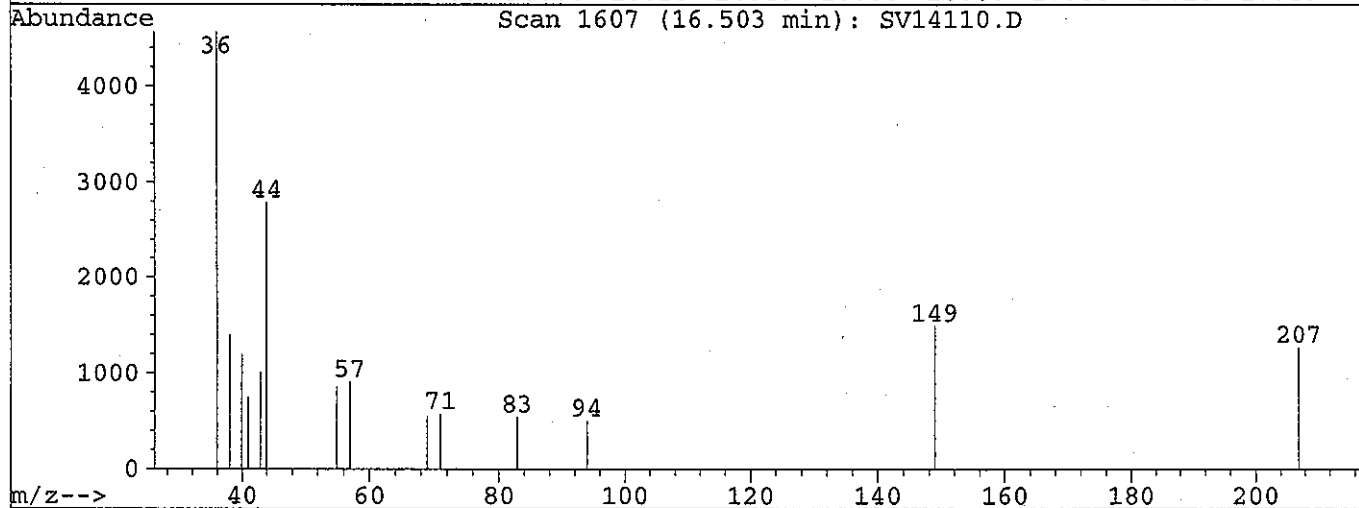
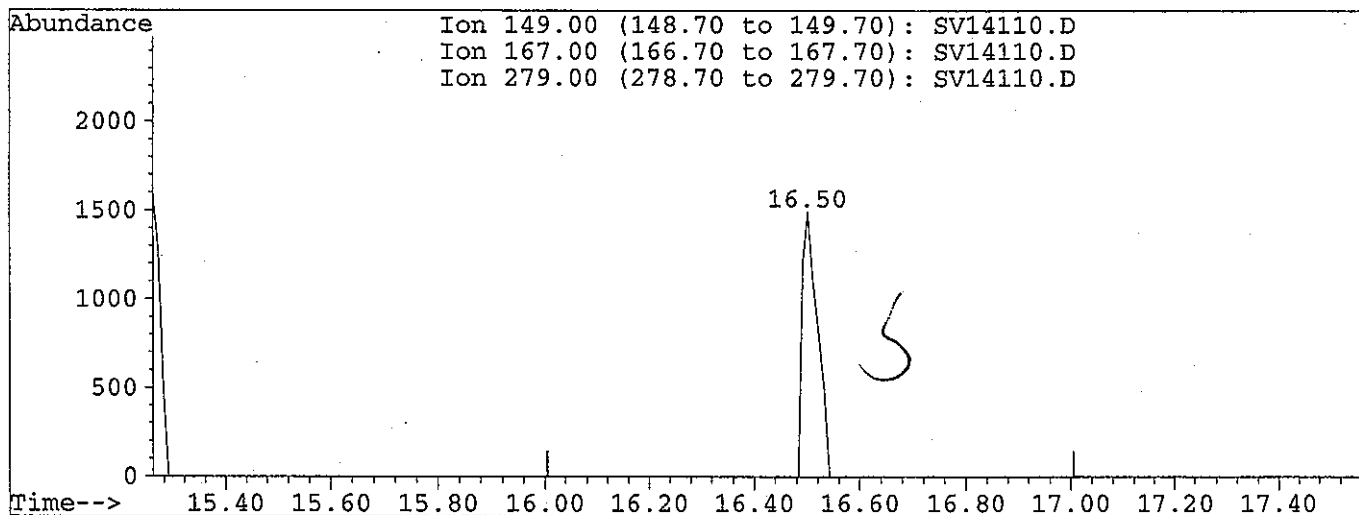
Method : C:\HPCHEM\1\METHODS\SV1NJ.M
Title : ELEMENT ID: 0607036(SOIL) 0607037(AQUEOUS)
Last Update : Tue Aug 15 10:05:44 2006
Response via : Multiple Level Calibration



Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\MD081406\SV14110.D Vial: 9
 Acq On : 14 Aug 106 11:42 pm Operator: VSC
 Sample : BH61402-BLK1 Inst : SVOA-MS1
 Misc : Multiplr: 1.00
 Quant Time: Aug 15 10:14 19106

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
 Title : ELEMENT ID: 0607036(SOIL) 0607037(AQUEOUS)
 Last Update : Tue Aug 15 10:05:44 2006
 Response via : Multiple Level Calibration



TIC: SV14110.D

(81) bis(2-Ethylhexyl)phthalate

16.50min 1.02ng/uL

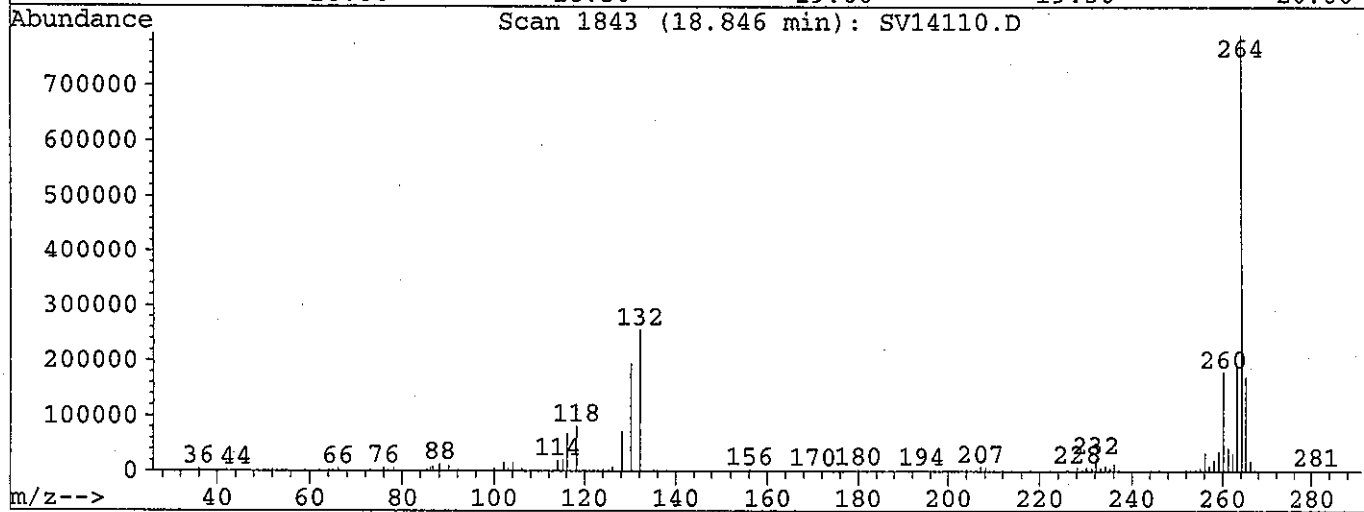
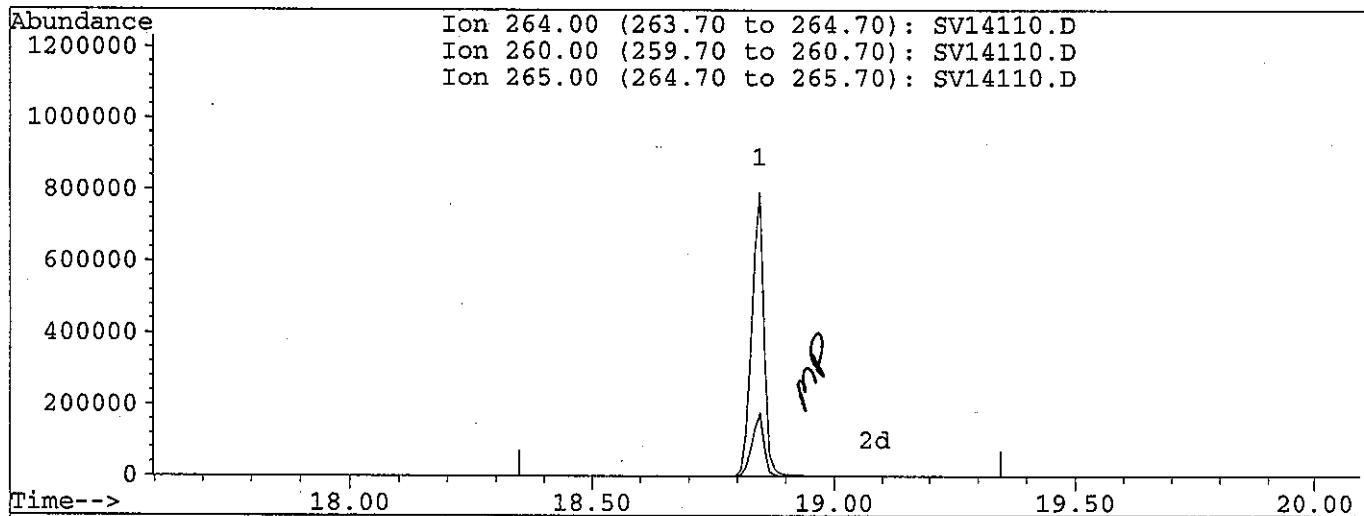
response 3035

| Ion | Exp% | Act% |
|--------|-------|-------|
| 149.00 | 100 | 100 |
| 167.00 | 31.50 | 0.00# |
| 279.00 | 6.10 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\MD081406\SV14110.D Vial: 9
 Acq On : 14 Aug 106 11:42 pm Operator: VSC
 Sample : BH61402-BLK1 Inst : SVOA-MS1
 Misc : Multiplr: 1.00
 Quant Time: Aug 15 10:07 19106

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
 Title : ELEMENT ID: 0607036(SOIL) 0607037(AQUEOUS)
 Last Update : Tue Aug 15 10:05:44 2006
 Response via : Multiple Level Calibration



TIC: SV14110.D

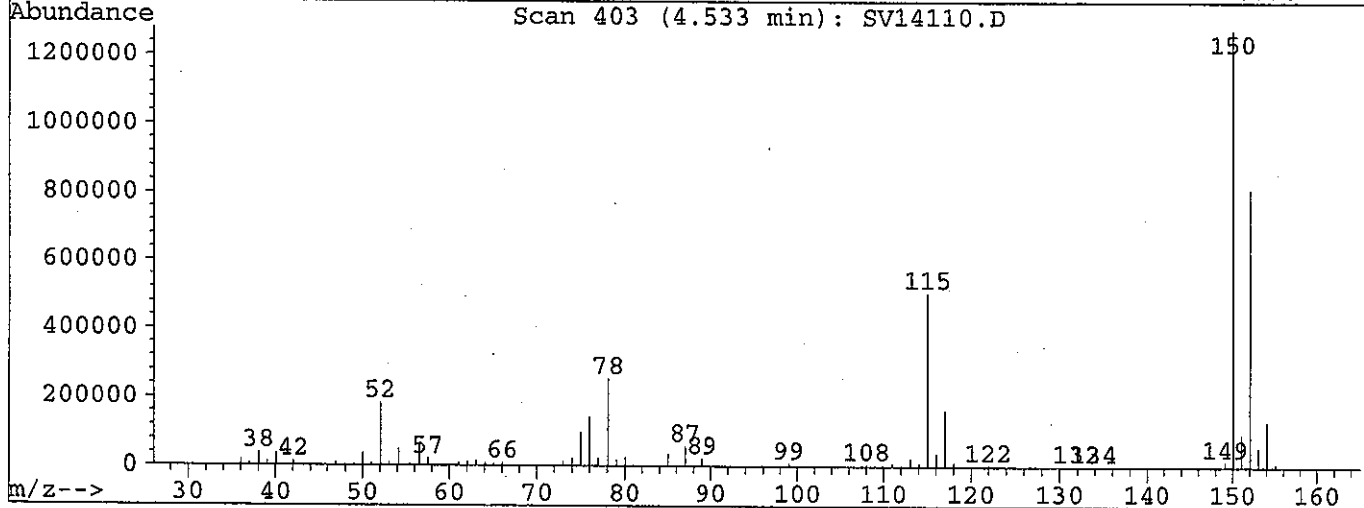
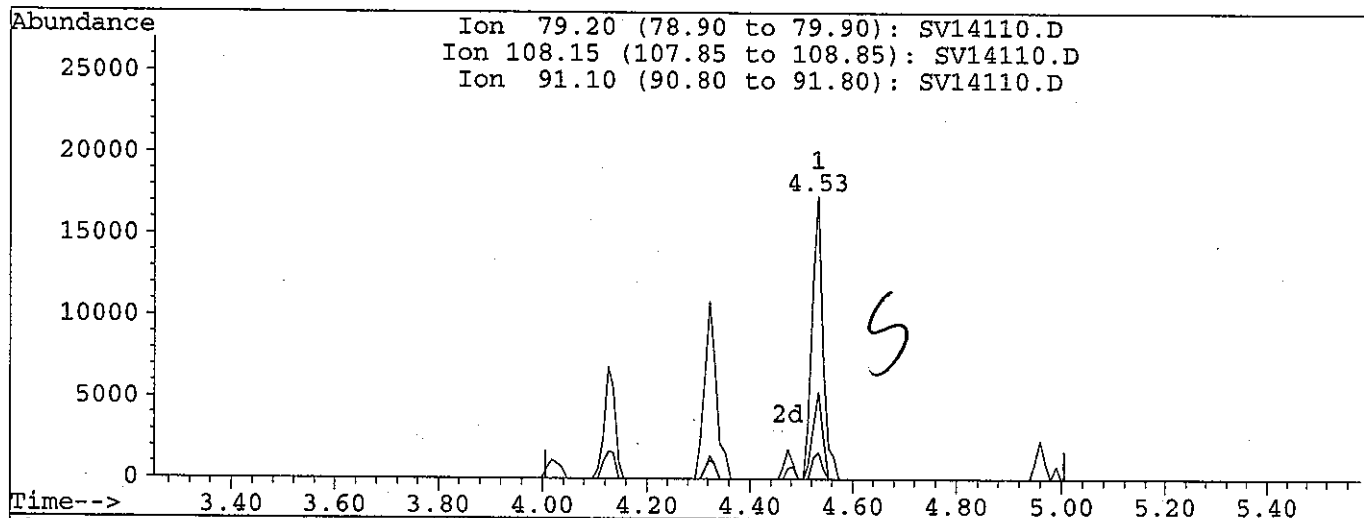
(82) Perylene-d12 (I)
 18.85min 0.00ng/uL d
 response 0

| Ion | Exp% | Act% |
|--------|-------|------|
| 264.00 | 100 | 0.00 |
| 260.00 | 21.70 | 0.00 |
| 265.00 | 20.50 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\MD081406\SV14110.D Vial: 9
 Acq On : 14 Aug 106 11:42 pm Operator: VSC
 Sample : BH61402-BLK1 Inst : SVOA-MS1
 Misc : Multiplr: 1.00
 Quant Time: Aug 15 10:06 19106

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
 Title : ELEMENT ID: 0607036(SOIL) 0607037(AQUEOUS)
 Last Update : Tue Aug 15 10:05:44 2006
 Response via : Multiple Level Calibration



TIC: SV14110.D

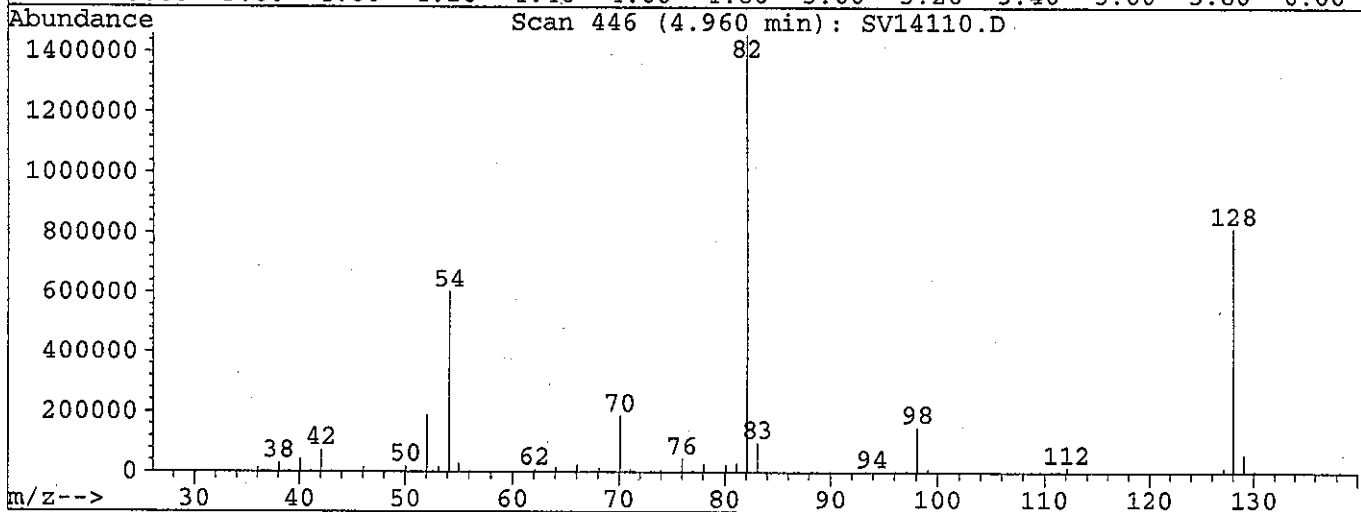
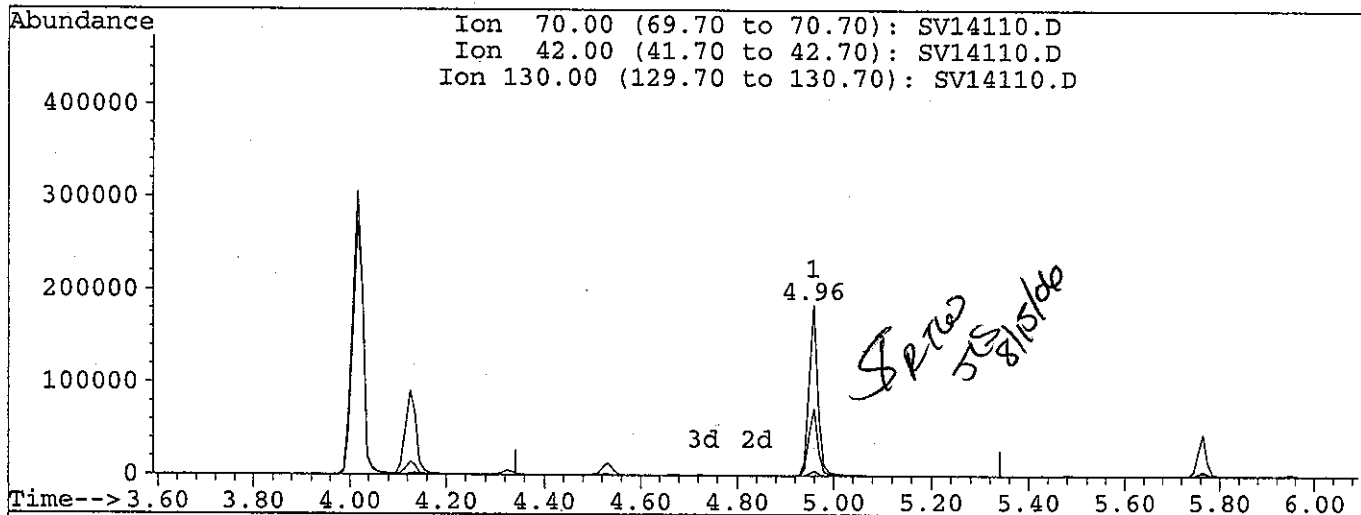
(15) Benzyl Alcohol
 4.53min 1.22ng/ul
 response 25680

| Ion | Exp% | Act% |
|--------|-------|--------|
| 79.20 | 100 | 100 |
| 108.15 | 83.40 | 30.73# |
| 91.10 | 15.00 | 9.40 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\MD081406\SV14110.D Vial: 9
 Acq On : 14 Aug 106 11:42 pm Operator: VSC
 Sample : BH61402-BLK1 Inst : SVOA-MS1
 Misc : Multiplr: 1.00
 Quant Time: Aug 15 10:07 19106

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
 Title : ELEMENT ID: 0607036(SOIL) 0607037(AQUEOUS)
 Last Update : Tue Aug 15 10:05:44 2006
 Response via : Multiple Level Calibration



TIC: SV14110.D

(19) N-Nitroso-Di-n-Propylamine (MP)

4.96min 11.61ng/uL

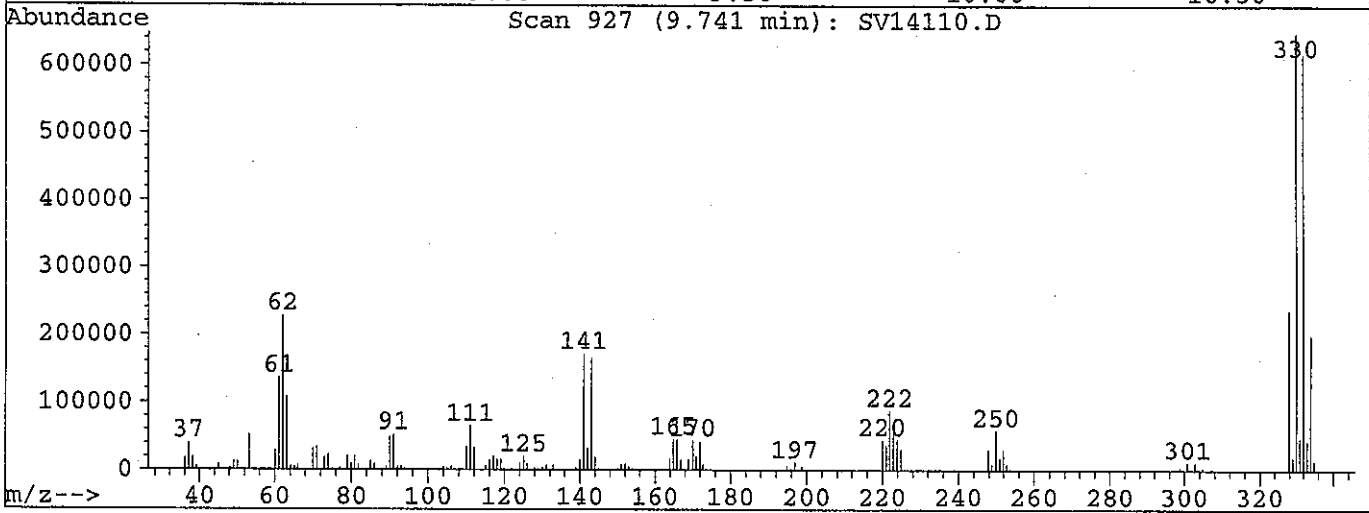
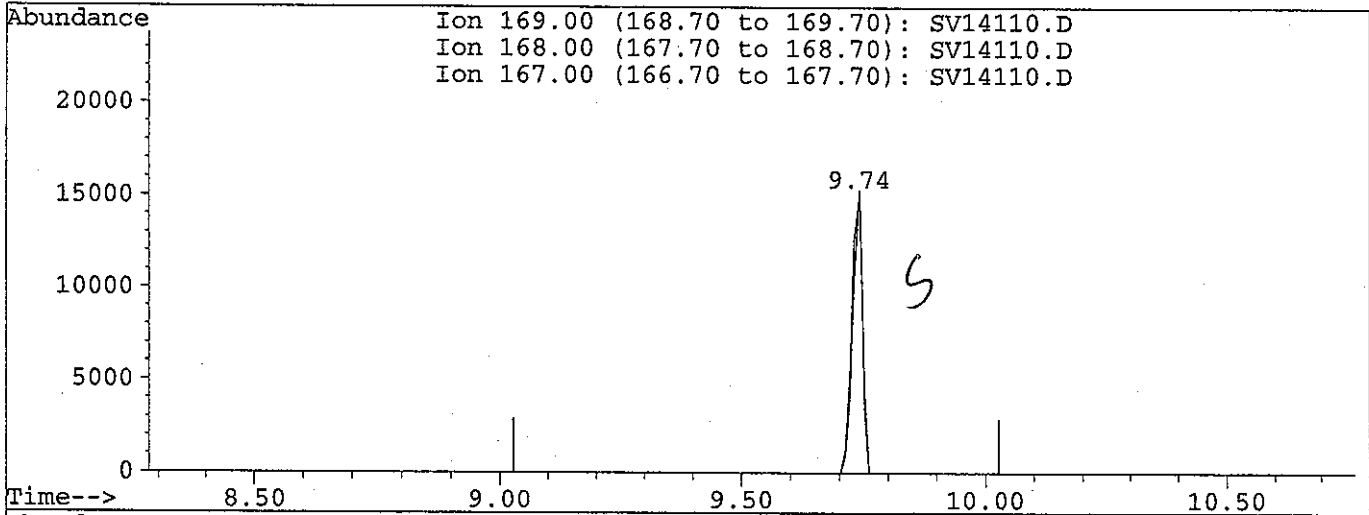
response 234359

| Ion | Exp% | Act% |
|--------|-------|-------|
| 70.00 | 100 | 100 |
| 42.00 | 47.60 | 39.44 |
| 130.00 | 31.20 | 2.81 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\MD081406\SV14110.D Vial: 9
 Acq On : 14 Aug 106 11:42 pm Operator: VSC
 Sample : BH61402-BLK1 Inst : SVOA-MS1
 Misc : Multiplr: 1.00
 Quant Time: Aug 15 10:07 19106

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
 Title : ELEMENT ID: 0607036(SOIL) 0607037(AQUEOUS)
 Last Update : Tue Aug 15 10:05:44 2006
 Response via : Multiple Level Calibration



TIC: SV14110.D

(62) N-nitrosodiphenylamine (C)

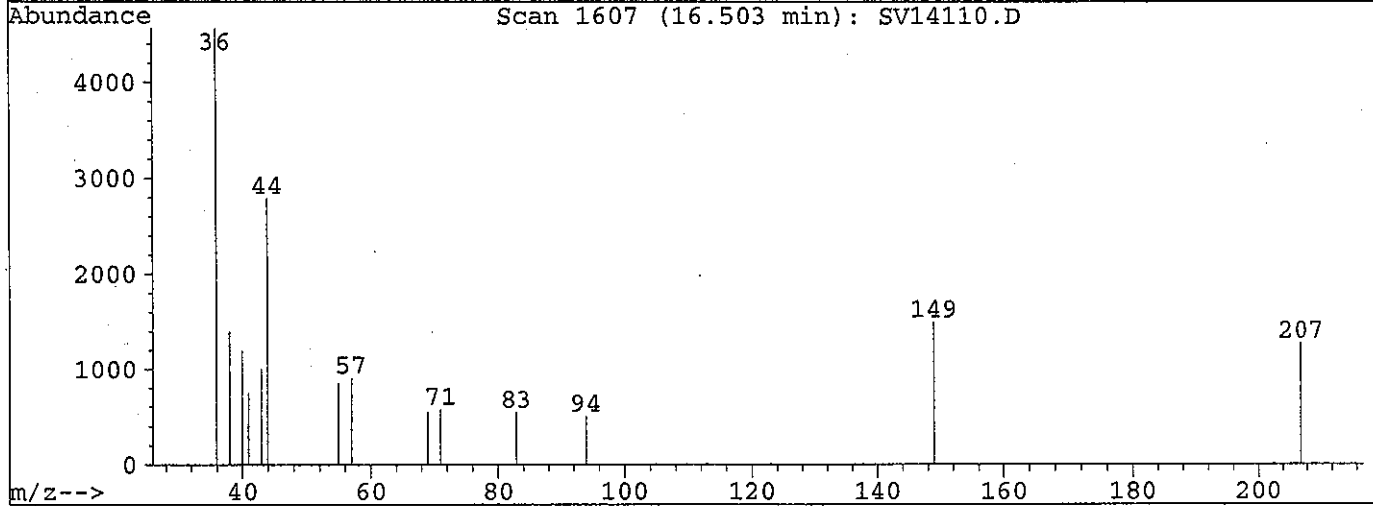
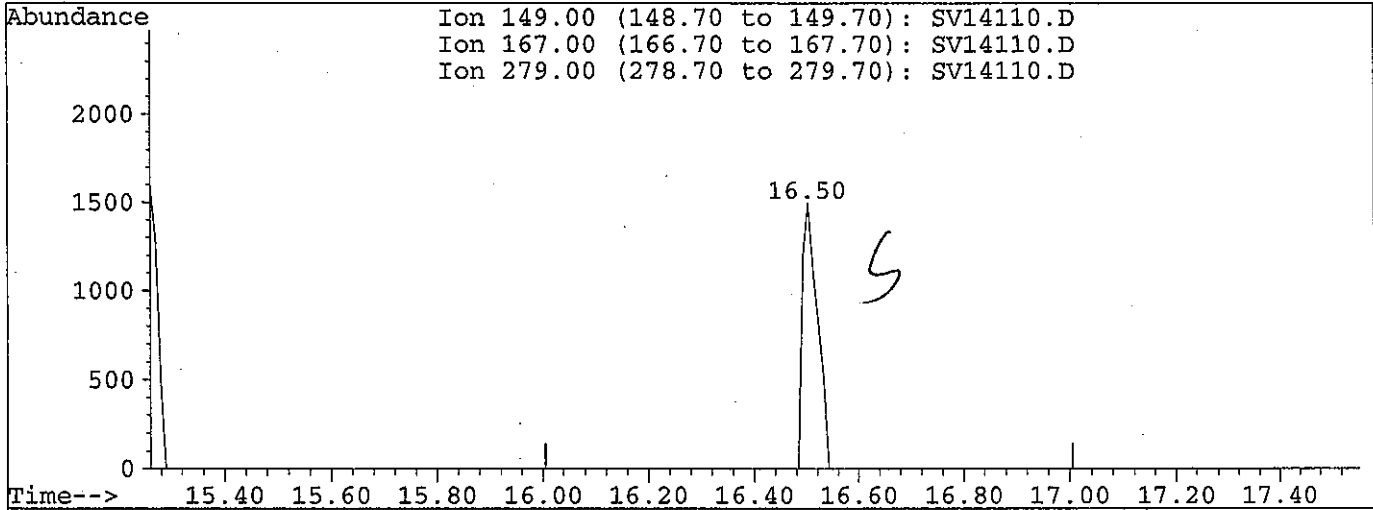
9.74min 0.64ng/uL
 response 23317

| Ion | Exp% | Act% |
|--------|-------|---------|
| 169.00 | 100 | 100 |
| 168.00 | 60.10 | 0.00# |
| 167.00 | 32.90 | 100.82# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\MD081406\SV14110.D Vial: 9
 Acq On : 14 Aug 106 11:42 pm Operator: VSC
 Sample : BH61402-BLK1 Inst : SVOA-MS1
 Misc : Multiplr: 1.00
 Quant Time: Aug 15 10:07 19106

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
 Title : ELEMENT ID: 0607036(SOIL) 0607037(AQUEOUS)
 Last Update : Tue Aug 15 10:05:44 2006
 Response via : Multiple Level Calibration



TIC: SV14110.D

(81) bis(2-Ethylhexyl)phthalate

16.50min 1.02ng/uL

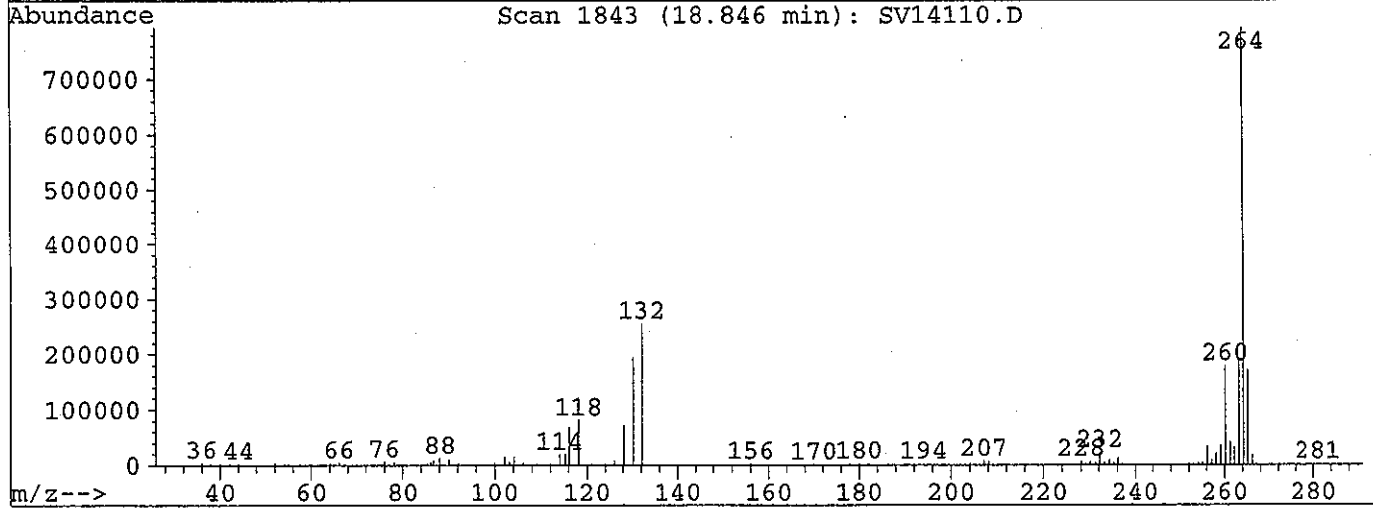
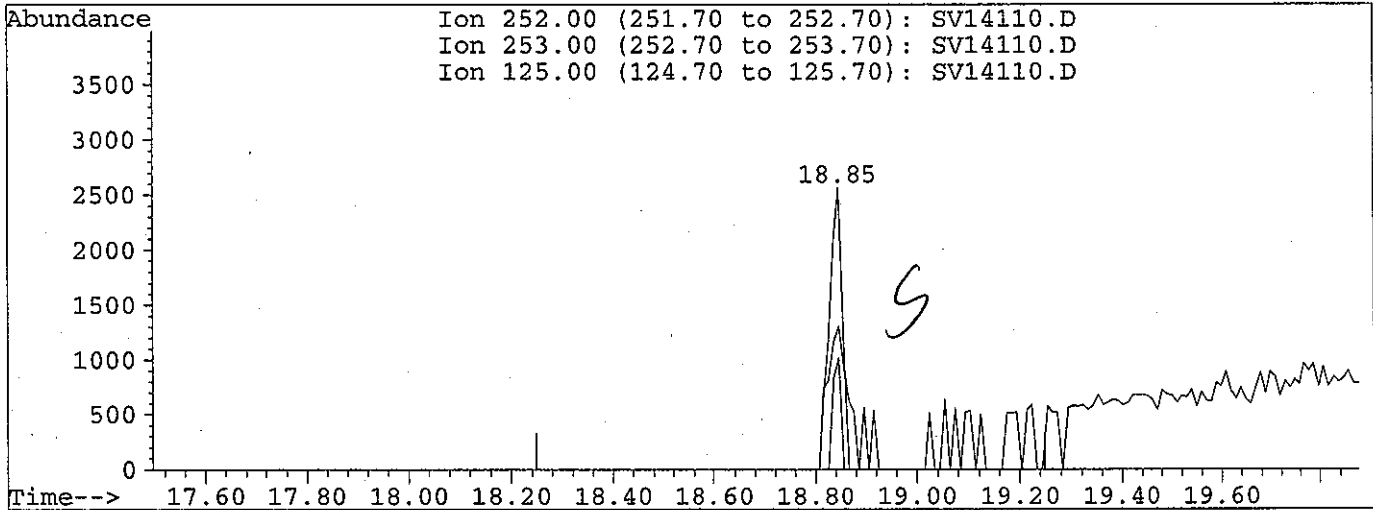
response 3035

| Ion | Exp% | Act% |
|--------|-------|-------|
| 149.00 | 100 | 100 |
| 167.00 | 31.50 | 0.00# |
| 279.00 | 6.10 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\MD081406\SV14110.D Vial: 9
 Acq On : 14 Aug 106 11:42 pm Operator: VSC
 Sample : BH61402-BLK1 Inst : SVOA-MS1
 Misc : Multiplr: 1.00
 Quant Time: Aug 15 10:07 19106

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
 Title : ELEMENT ID: 0607036(SOIL) 0607037(AQUEOUS)
 Last Update : Tue Aug 15 10:05:44 2006
 Response via : Multiple Level Calibration



TIC: SV14110.D

(86) Benzo(a)pyrene (C)
 18.85min 0.00ng/uL m
 response 4580

| Ion | Exp% | Act% |
|--------|-------|-------|
| 252.00 | 100 | 100 |
| 253.00 | 21.70 | 50.97 |
| 125.00 | 23.60 | 39.84 |
| 0.00 | 0.00 | 0.00 |

QA/QC Check Report

Data File: SV14110.D
Sample Name: BH61402-BLK1
Misc Info :

Analysis Time: 14 Aug 106 11:42 pm

=====
Internal Standard Comparison
Std Data File: Q:\SVOA\MS1_MD\MD0806\MD081406\SV14103.D
Analysis Time: 14 Aug 106 8:07 pm

| Internal Standard | Sample Area | Std Area | % Recovery |
|---------------------------|-------------|----------|------------|
| 1) 1,4-Dichlorobenzene-d4 | 766978 | 641264 | 119.6 |
| 22) Naphthalene-d8 | 2954985 | 2440706 | 121.1 |
| 38) Acenaphthene-d10 | 1336957 | 1132637 | 118.0 |
| 59) Phenanthrene-d10 | 1981555 | 1712264 | 115.7 |
| 74) Chrysene-d12 | 1496365 | 1427218 | 104.8 |
| 82) Perylene-d12 | 1395677 | 1265600 | 110.3 |

% Recovery = (Sample Area/Std Area)*100
** = Outside Limits

LCS / LCS DUPLICATE RECOVERY

8270C

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Solid

Batch: BH61402

Laboratory ID: BH61402-BS1

Preparation: 3541

Initial/Final: 20 g / 1 ml

| COMPOUND | SPIKE ADDED (ug/Kg wet) | LCS CONCENTRATION (ug/Kg wet) | LCS % REC. # | QC LIMITS REC. |
|------------------------------|-------------------------|-------------------------------|--------------|----------------|
| 1,1-Biphenyl | 5000 | 4660 | 93 | 40 - 140 |
| 1,2,4-Trichlorobenzene | 5000 | 4200 | 84 | 40 - 140 |
| 1,2-Dichlorobenzene | 5000 | 4060 | 81 | 40 - 140 |
| 1,3-Dichlorobenzene | 5000 | 3820 | 76 | 40 - 140 |
| 1,4-Dichlorobenzene | 5000 | 3860 | 77 | 40 - 140 |
| 2,3,4,6-Tetrachlorophenol | 5000 | 4710 | 94 | 30 - 130 |
| 2,4,5-Trichlorophenol | 5000 | 4730 | 95 | 30 - 130 |
| 2,4,6-Trichlorophenol | 5000 | 4590 | 92 | 30 - 130 |
| 2,4-Dichlorophenol | 5000 | 4490 | 90 | 30 - 130 |
| 2,4-Dimethylphenol | 5000 | 4550 | 91 | 30 - 130 |
| 2,4-Dinitrophenol | 5000 | 3800 | 76 | 30 - 130 |
| 2,4-Dinitrotoluene | 5000 | 4720 | 94 | 40 - 140 |
| 2,6-Dinitrotoluene | 5000 | 4720 | 94 | 40 - 140 |
| 2-Chloronaphthalene | 5000 | 3750 | 75 | 40 - 140 |
| 2-Chlorophenol | 5000 | 4060 | 81 | 30 - 130 |
| 2-Methylnaphthalene | 5000 | 4320 | 86 | 40 - 140 |
| 2-Methylphenol | 5000 | 4120 | 82 | 30 - 130 |
| 2-Nitroaniline | 5000 | 4490 | 90 | 40 - 140 |
| 2-Nitrophenol | 5000 | 4180 | 84 | 30 - 130 |
| 3,3'-Dichlorobenzidine | 5000 | 4900 | 98 | 40 - 140 |
| 3+4-Methylphenol | 10000 | 8060 | 81 | 30 - 130 |
| 3-Nitroaniline | 5000 | 4680 | 94 | 40 - 140 |
| 4,6-Dinitro-2-Methylphenol | 5000 | 4380 | 88 | 30 - 130 |
| 4-Bromophenyl-phenylether | 5000 | 4940 | 99 | 40 - 140 |
| 4-Chloro-3-Methylphenol | 5000 | 4760 | 95 | 30 - 130 |
| 4-Chloroaniline | 5000 | 3770 | 75 | 40 - 140 |
| 4-Chloro-phenyl-phenyl ether | 5000 | 4770 | 95 | 40 - 140 |
| 4-Nitroaniline | 5000 | 4540 | 91 | 40 - 140 |
| 4-Nitrophenol | 5000 | 4890 | 98 | 30 - 130 |
| Acenaphthene | 5000 | 4400 | 88 | 40 - 140 |

LCS / LCS DUPLICATE RECOVERY

8270C

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Solid

Batch: BH61402

Laboratory ID: BH61402-BS1

Preparation: 3541

Initial/Final: 20 g / 1 ml

| COMPOUND | SPIKE ADDED (ug/Kg wet) | LCS CONCENTRATION (ug/Kg wet) | LCS % REC. # | QC LIMITS REC. |
|-----------------------------|-------------------------|-------------------------------|--------------|----------------|
| Acenaphthylene | 5000 | 4080 | 82 | 40 - 140 |
| Acetophenone | 5000 | 4430 | 89 | 40 - 140 |
| Aniline | 5000 | 3590 | 72 | 40 - 140 |
| Anthracene | 5000 | 4620 | 92 | 40 - 140 |
| Azobenzene | 5000 | 4510 | 90 | 40 - 140 |
| Benzo(a)anthracene | 5000 | 4740 | 95 | 40 - 140 |
| Benzo(a)pyrene | 5000 | 4470 | 89 | 40 - 140 |
| Benzo(b)fluoranthene | 5000 | 4400 | 88 | 40 - 140 |
| Benzo(g,h,i)perylene | 5000 | 4260 | 85 | 40 - 140 |
| Benzo(k)fluoranthene | 5000 | 4650 | 93 | 40 - 140 |
| Benzoic Acid | 5000 | 2680 | 54 | 40 - 140 |
| Benzyl Alcohol | 5000 | 4170 | 83 | 40 - 140 |
| bis(2-Chloroethoxy)methane | 5000 | 4220 | 84 | 40 - 140 |
| bis(2-Chloroethyl)ether | 5000 | 4180 | 84 | 40 - 140 |
| bis(2-chloroisopropyl)Ether | 5000 | 3960 | 79 | 40 - 140 |
| bis(2-Ethylhexyl)phthalate | 5000 | 4710 | 94 | 40 - 140 |
| Butylbenzylphthalate | 5000 | 5010 | 100 | 40 - 140 |
| Carbazole | 5000 | 4680 | 94 | 40 - 140 |
| Chrysene | 5000 | 4680 | 94 | 40 - 140 |
| Dibenzo(a,h)Anthracene | 5000 | 4550 | 91 | 40 - 140 |
| Dibenzofuran | 5000 | 4420 | 88 | 40 - 140 |
| Diethylphthalate | 5000 | 4760 | 95 | 40 - 140 |
| Dimethylphthalate | 5000 | 4640 | 93 | 40 - 140 |
| Di-n-butylphthalate | 5000 | 4450 | 89 | 40 - 140 |
| Di-n-octylphthalate | 5000 | 4700 | 94 | 40 - 140 |
| Fluoranthene | 5000 | 4770 | 95 | 40 - 140 |
| Fluorene | 5000 | 4520 | 90 | 40 - 140 |
| Hexachlorobenzene | 5000 | 4680 | 94 | 40 - 140 |
| Hexachlorobutadiene | 5000 | 4400 | 88 | 40 - 140 |
| Hexachlorocyclopentadiene | 5000 | 3110 | 62 | 40 - 140 |

LCS / LCS DUPLICATE RECOVERY

8270C

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Solid

Batch: BH61402

Laboratory ID: BH61402-BS1

Preparation: 3541

Initial/Final: 20 g / 1 ml

| COMPOUND | SPIKE ADDED (ug/Kg wet) | LCS CONCENTRATION (ug/Kg wet) | LCS % REC. # | QC LIMITS REC. |
|----------------------------|-------------------------|-------------------------------|--------------|----------------|
| Hexachloroethane | 5000 | 3900 | 78 | 40 - 140 |
| Indeno(1,2,3-cd)Pyrene | 5000 | 4320 | 86 | 40 - 140 |
| Isophorone | 5000 | 4160 | 83 | 40 - 140 |
| Naphthalene | 5000 | 4100 | 82 | 40 - 140 |
| Nitrobenzene | 5000 | 4080 | 82 | 40 - 140 |
| N-Nitrosodimethylamine | 5000 | 3870 | 77 | 40 - 140 |
| N-Nitroso-Di-n-Propylamine | 5000 | 3970 | 79 | 40 - 140 |
| N-nitrosodiphenylamine | 5000 | 4600 | 92 | 40 - 140 |
| Pentachlorophenol | 5000 | 4010 | 80 | 30 - 130 |
| Phenanthrene | 5000 | 4590 | 92 | 40 - 140 |
| Phenol | 5000 | 4010 | 80 | 30 - 130 |
| Pyrene | 5000 | 5120 | 102 | 40 - 140 |
| Pyridine | 5000 | 3420 | 68 | 40 - 140 |

| COMPOUND | SPIKE ADDED (ug/Kg wet) | LCSD CONCENTRATION (ug/Kg wet) | LCSD % REC. # | % RPD # | QC LIMITS | |
|---------------------------|-------------------------|--------------------------------|---------------|---------|-----------|----------|
| | | | | | RPD | REC. |
| 1,1-Biphenyl | 5000 | 4450 | 89 | 5 | 30 | 40 - 140 |
| 1,2,4-Trichlorobenzene | 5000 | 3910 | 78 | 7 | 30 | 40 - 140 |
| 1,2-Dichlorobenzene | 5000 | 3870 | 77 | 5 | 30 | 40 - 140 |
| 1,3-Dichlorobenzene | 5000 | 3640 | 73 | 5 | 30 | 40 - 140 |
| 1,4-Dichlorobenzene | 5000 | 3700 | 74 | 4 | 30 | 40 - 140 |
| 2,3,4,6-Tetrachlorophenol | 5000 | 4330 | 87 | 8 | 30 | 30 - 130 |
| 2,4,5-Trichlorophenol | 5000 | 4410 | 88 | 7 | 30 | 30 - 130 |
| 2,4,6-Trichlorophenol | 5000 | 4310 | 86 | 6 | 30 | 30 - 130 |
| 2,4-Dichlorophenol | 5000 | 4170 | 83 | 7 | 30 | 30 - 130 |
| 2,4-Dimethylphenol | 5000 | 4280 | 86 | 6 | 30 | 30 - 130 |
| 2,4-Dinitrophenol | 5000 | 3560 | 71 | 7 | 30 | 30 - 130 |
| 2,4-Dinitrotoluene | 5000 | 4270 | 85 | 10 | 30 | 40 - 140 |
| 2,6-Dinitrotoluene | 5000 | 4270 | 85 | 10 | 30 | 40 - 140 |
| 2-Chloronaphthalene | 5000 | 3500 | 70 | 7 | 30 | 40 - 140 |

LCS / LCS DUPLICATE RECOVERY

8270C

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Solid

Batch: BH61402

Laboratory ID: BH61402-BSD1

Preparation: 3541

Initial/Final: 20 g / 1 ml

| COMPOUND | SPIKE ADDED (ug/Kg wet) | LCSD CONCENTRATION (ug/Kg wet) | LCSD % REC. # | % RPD # | QC LIMITS | |
|------------------------------|----------------------------|-----------------------------------|------------------|------------|-----------|----------|
| | | | | | RPD | REC. |
| 2-Chlorophenol | 5000 | 3870 | 77 | 5 | 30 | 30 - 130 |
| 2-Methylnaphthalene | 5000 | 4070 | 81 | 6 | 30 | 40 - 140 |
| 2-Methylphenol | 5000 | 3850 | 77 | 7 | 30 | 30 - 130 |
| 2-Nitroaniline | 5000 | 4250 | 85 | 5 | 30 | 40 - 140 |
| 2-Nitrophenol | 5000 | 3920 | 78 | 6 | 30 | 30 - 130 |
| 3,3'-Dichlorobenzidine | 5000 | 4380 | 88 | 11 | 30 | 40 - 140 |
| 3+4-Methylphenol | 10000 | 7580 | 76 | 6 | 30 | 30 - 130 |
| 3-Nitroaniline | 5000 | 4170 | 83 | 12 | 30 | 40 - 140 |
| 4,6-Dinitro-2-Methylphenol | 5000 | 4050 | 81 | 8 | 30 | 30 - 130 |
| 4-Bromophenyl-phenylether | 5000 | 4590 | 92 | 7 | 30 | 40 - 140 |
| 4-Chloro-3-Methylphenol | 5000 | 4370 | 87 | 9 | 30 | 30 - 130 |
| 4-Chloroaniline | 5000 | 3410 | 68 | 10 | 30 | 40 - 140 |
| 4-Chloro-phenyl-phenyl ether | 5000 | 4510 | 90 | 6 | 30 | 40 - 140 |
| 4-Nitroaniline | 5000 | 4180 | 84 | 8 | 30 | 40 - 140 |
| 4-Nitrophenol | 5000 | 4490 | 90 | 9 | 30 | 30 - 130 |
| Acenaphthene | 5000 | 4110 | 82 | 7 | 30 | 40 - 140 |
| Acenaphthylene | 5000 | 3860 | 77 | 6 | 30 | 40 - 140 |
| Acetophenone | 5000 | 4170 | 83 | 6 | 30 | 40 - 140 |
| Aniline | 5000 | 3280 | 66 | 9 | 30 | 40 - 140 |
| Anthracene | 5000 | 4240 | 85 | 9 | 30 | 40 - 140 |
| Azobenzene | 5000 | 4260 | 85 | 6 | 30 | 40 - 140 |
| Benzo(a)anthracene | 5000 | 4370 | 87 | 8 | 30 | 40 - 140 |
| Benzo(a)pyrene | 5000 | 4110 | 82 | 8 | 30 | 40 - 140 |
| Benzo(b)fluoranthene | 5000 | 3880 | 78 | 13 | 30 | 40 - 140 |
| Benzo(g,h,i)perylene | 5000 | 3840 | 77 | 10 | 30 | 40 - 140 |
| Benzo(k)fluoranthene | 5000 | 4880 | 98 | 5 | 30 | 40 - 140 |
| Benzoic Acid | 5000 | 2430 | 49 | 10 | 30 | 40 - 140 |
| Benzyl Alcohol | 5000 | 3960 | 79 | 5 | 30 | 40 - 140 |
| bis(2-Chloroethoxy)methane | 5000 | 3910 | 78 | 8 | 30 | 40 - 140 |
| bis(2-Chloroethyl)ether | 5000 | 4000 | 80 | 4 | 30 | 40 - 140 |

LCS / LCS DUPLICATE RECOVERY

8270C

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Matrix: Solid

Batch: BH61402

Laboratory ID: BH61402-BSD1

Preparation: 3541

Initial/Final: 20 g / 1 ml

| COMPOUND | SPIKE ADDED (ug/Kg wet) | LCSD CONCENTRATION (ug/Kg wet) | LCSD % REC. # | % RPD # | QC LIMITS | |
|-----------------------------|-------------------------|--------------------------------|---------------|---------|-----------|----------|
| | | | | | RPD | REC. |
| bis(2-chloroisopropyl)Ether | 5000 | 3760 | 75 | 5 | 30 | 40 - 140 |
| bis(2-Ethylhexyl)phthalate | 5000 | 4330 | 87 | 8 | 30 | 40 - 140 |
| Butylbenzylphthalate | 5000 | 4590 | 92 | 9 | 30 | 40 - 140 |
| Carbazole | 5000 | 4300 | 86 | 8 | 30 | 40 - 140 |
| Chrysene | 5000 | 4320 | 86 | 8 | 30 | 40 - 140 |
| Dibenzo(a,h)Anthracene | 5000 | 4180 | 84 | 8 | 30 | 40 - 140 |
| Dibenzofuran | 5000 | 4140 | 83 | 7 | 30 | 40 - 140 |
| Diethylphthalate | 5000 | 4350 | 87 | 9 | 30 | 40 - 140 |
| Dimethylphthalate | 5000 | 4390 | 88 | 6 | 30 | 40 - 140 |
| Di-n-butylphthalate | 5000 | 4140 | 83 | 7 | 30 | 40 - 140 |
| Di-n-octylphthalate | 5000 | 4320 | 86 | 8 | 30 | 40 - 140 |
| Fluoranthene | 5000 | 4380 | 88 | 9 | 30 | 40 - 140 |
| Fluorene | 5000 | 4220 | 84 | 7 | 30 | 40 - 140 |
| Hexachlorobenzene | 5000 | 4290 | 86 | 9 | 30 | 40 - 140 |
| Hexachlorobutadiene | 5000 | 4120 | 82 | 7 | 30 | 40 - 140 |
| Hexachlorocyclopentadiene | 5000 | 2930 | 59 | 6 | 30 | 40 - 140 |
| Hexachloroethane | 5000 | 3720 | 74 | 5 | 30 | 40 - 140 |
| Indeno(1,2,3-cd)Pyrene | 5000 | 3950 | 79 | 9 | 30 | 40 - 140 |
| Isophorone | 5000 | 3880 | 78 | 7 | 30 | 40 - 140 |
| Naphthalene | 5000 | 3840 | 77 | 7 | 30 | 40 - 140 |
| Nitrobenzene | 5000 | 3760 | 75 | 8 | 30 | 40 - 140 |
| N-Nitrosodimethylamine | 5000 | 3450 | 69 | 11 | 30 | 40 - 140 |
| N-Nitroso-Di-n-Propylamine | 5000 | 3760 | 75 | 5 | 30 | 40 - 140 |
| N-nitrosodiphenylamine | 5000 | 4310 | 86 | 7 | 30 | 40 - 140 |
| Pentachlorophenol | 5000 | 3680 | 74 | 9 | 30 | 30 - 130 |
| Phenanthrene | 5000 | 4240 | 85 | 8 | 30 | 40 - 140 |
| Phenol | 5000 | 3750 | 75 | 7 | 30 | 30 - 130 |
| Pyrene | 5000 | 4690 | 94 | 9 | 30 | 40 - 140 |
| Pyridine | 5000 | 3190 | 64 | 7 | 30 | 40 - 140 |

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\MD081406\SV14111.D Vial: 10
 Acq On : 15 Aug 106 12:13 am Operator: VSC
 Sample : BH61402-BS1 Inst : SVOA-MS1
 Misc : Multiplr: 1.00
 Quant Time: Aug 15 16:50 19106

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
 Title : ELEMENT ID: 0607036 (SOIL) 0607037 (AQUEOUS)
 Last Update : Tue Aug 15 16:43:52 2006
 Response via : Multiple Level Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|---------------------------|-------|------|----------|-------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4 | 4.33 | 152 | 637366 | 40.00 | ng/uL | 0.00 |
| 22) Naphthalene-d8 | 5.78 | 136 | 2369824 | 40.00 | ng/uL | 0.00 |
| 38) Acenaphthene-d10 | 8.34 | 164 | 1120265 | 40.00 | ng/uL | 0.00 |
| 59) Phenanthrene-d10 | 11.01 | 188 | 1672336 | 40.00 | ng/uL | 0.01 |
| 74) Chrysene-d12 | 16.22 | 240 | 1436867 | 40.00 | ng/uL | 0.00 |
| 82) Perylene-d12 | 18.86 | 264 | 1261164 | 40.00 | ng/uL | 0.00 |

| System Monitoring Compounds | R.T. | QIon | Response | Conc | Units | %Recovery |
|----------------------------------|-------|------|----------|--------|-------|-----------|
| 4) 2-Fluorophenol (SURR) | 2.83 | 112 | 2973824 | 124.27 | ng/uL | 82.85% |
| 6) Phenol-d5 (SURR) | 4.03 | 99 | 3882034 | 127.42 | ng/uL | 84.95% |
| 10) 2-Chlorophenol-d4 (SURR) | 4.14 | 132 | 3003818 | 127.42 | ng/uL | 84.95% |
| 13) 1,2 Dichlorobenzene-d4 (SUR) | 4.54 | 152 | 1198196 | 86.41 | ng/uL | 86.41% |
| 23) Nitrobenzene-d5 (SURR) | 4.97 | 82 | 1887089 | 86.94 | ng/uL | 86.94% |
| 42) 2-Fluorobiphenyl (SURR) | 7.27 | 172 | 3349780 | 91.04 | ng/uL | 91.04% |
| 64) 2,4,6-Tribromophenol (SURR) | 9.77 | 330 | 972709 | 143.37 | ng/uL | 95.58% |
| 76) Terphenyl-d14 (SURR) | 14.19 | 244 | 3204855 | 104.81 | ng/uL | 104.81% |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|---------------------------------|------|------|----------|--------|-------|--------|
| 2) N-Nitrosodimethylamine | 1.04 | 74 | 127856 | 77.46 | ng/uL | 97 |
| 3) Pyridine | 1.04 | 79 | 196550 | 68.31 | ng/uL | 100 |
| 5) bis(2-Chloroethyl) ether | 4.11 | 93 | 2069320 | 83.57 | ng/uL | 96 |
| 7) 2-Chlorophenol | 4.15 | 128 | 2004676 | 81.29 | ng/uL | 94 |
| 8) Phenol | 4.05 | 94 | 2908066 | 80.26 | ng/uL | 84 |
| 9) Aniline | 4.03 | 93 | 2708921 | 71.72 | ng/uL | 79 |
| 11) 1,3-Dichlorobenzene | 4.29 | 146 | 1845831 | 76.42 | ng/uL | 99 |
| 12) 1,4-Dichlorobenzene | 4.35 | 146 | 1913633 | 77.29 | ng/uL | 100 |
| 14) 1,2-Dichlorobenzene | 4.55 | 146 | 1832869 | 81.14 | ng/uL | 99 |
| 15) Benzyl Alcohol | 4.52 | 79 | 1454473 | 83.37 | ng/uL | 94 |
| 16) bis(2-chloroisopropyl) Ethe | 4.68 | 45 | 2860106 | 79.22 | ng/uL | 96 |
| 17) 2-Methylphenol | 4.68 | 108 | 1809816 | 82.48 | ng/uL | 99 |
| 18) Acetophenone | 4.81 | 105 | 2496880 | 88.52 | ng/uL | 96 |
| 19) N-Nitroso-Di-n-Propylamine | 4.86 | 70 | 1332314 | 79.42 | ng/uL | 100 |
| 20) Hexachloroethane | 4.89 | 117 | 778458 | 78.00 | ng/uL | 71 |
| 21) 3+4-Methylphenol | 4.85 | 108 | 3777012 | 161.19 | ng/uL | 85 |
| 24) Nitrobenzene | 4.99 | 77 | 1834389 | 81.59 | ng/uL | 99 |
| 25) Isophorone | 5.26 | 82 | 3552391 | 83.20 | ng/uL | 92 |
| 26) 2-Nitrophenol | 5.35 | 139 | 1183463 | 83.57 | ng/uL | 91 |
| 27) Benzoic Acid | 5.62 | 105 | 960229 | 53.50 | ng/uL | 95 |
| 28) 2,4-Dimethylphenol | 5.41 | 107 | 1781694 | 91.06 | ng/uL | 91 |
| 29) bis(2-Chloroethoxy)methane | 5.51 | 93 | 2374182 | 84.46 | ng/uL | 93 |
| 30) 2,4-Dichlorophenol | 5.63 | 162 | 1506968 | 89.80 | ng/uL | 97 |
| 31) 1,2,4-Trichlorobenzene | 5.73 | 180 | 1479002 | 83.91 | ng/uL | 97 |
| 32) Naphthalene | 5.80 | 128 | 4973987 | 82.00 | ng/uL | 99 |
| 33) 4-Chloroaniline | 5.90 | 127 | 2098854 | 75.33 | ng/uL | 100 |
| 34) Hexachlorobutadiene | 6.03 | 225 | 711154 | 88.00 | ng/uL | 99 |
| 35) 4-Chloro-3-Methylphenol | 6.55 | 107 | 1614831 | 95.24 | ng/uL | 92 |
| 36) 2-Methylnaphthalene | 6.71 | 142 | 3179954 | 86.48 | ng/uL | 98 |
| 39) Hexachlorocyclopentadiene | 7.04 | 237 | 605454 | 62.22 | ng/uL | 99 |
| 40) 2,4,6-Trichlorophenol | 7.16 | 196 | 1070001 | 91.77 | ng/uL | 100 |
| 41) 2,4,5-Trichlorophenol | 7.23 | 196 | 1137512 | 94.55 | ng/uL | 98 |
| 43) Biphenyl | 7.41 | 154 | 3766261 | 93.13 | ng/uL | 97 |
| 44) 2-Chloronaphthalene | 7.42 | 162 | 2808377 | 74.95 | ng/uL | 99 |
| 45) Dimethylphthalate | 8.01 | 163 | 3559777 | 92.73 | ng/uL | 99 |
| 46) Acenaphthylene | 8.10 | 152 | 4412578 | 81.61 | ng/uL | 99 |
| 47) 2,6-Dinitrotoluene | 8.78 | 165 | 1162227 | 94.40 | ng/uL | 79 |
| 48) 2-Nitroaniline | 7.64 | 65 | 1016388 | 89.77 | ng/uL | 93 |
| 49) Acenaphthene | 8.40 | 153 | 2902911 | 88.04 | ng/uL | 100 |

(#) = qualifier out of range (m) = manual integration
 SV14111.D SV1NJ.M Tue Aug 15 16:50:40 2006

Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\MD081406\SV14111.D Vial: 10
 Acq On : 15 Aug 106 12:13 am Operator: VSC
 Sample : BH61402-BS1 Inst : SVOA-MS1
 Misc : Multiplr: 1.00
 Quant Time: Aug 15 16:50 19106

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
 Title : ELEMENT ID: 0607036 (SOIL) 0607037 (AQUEOUS)
 Last Update : Tue Aug 15 16:43:52 2006
 Response via : Multiple Level Calibration

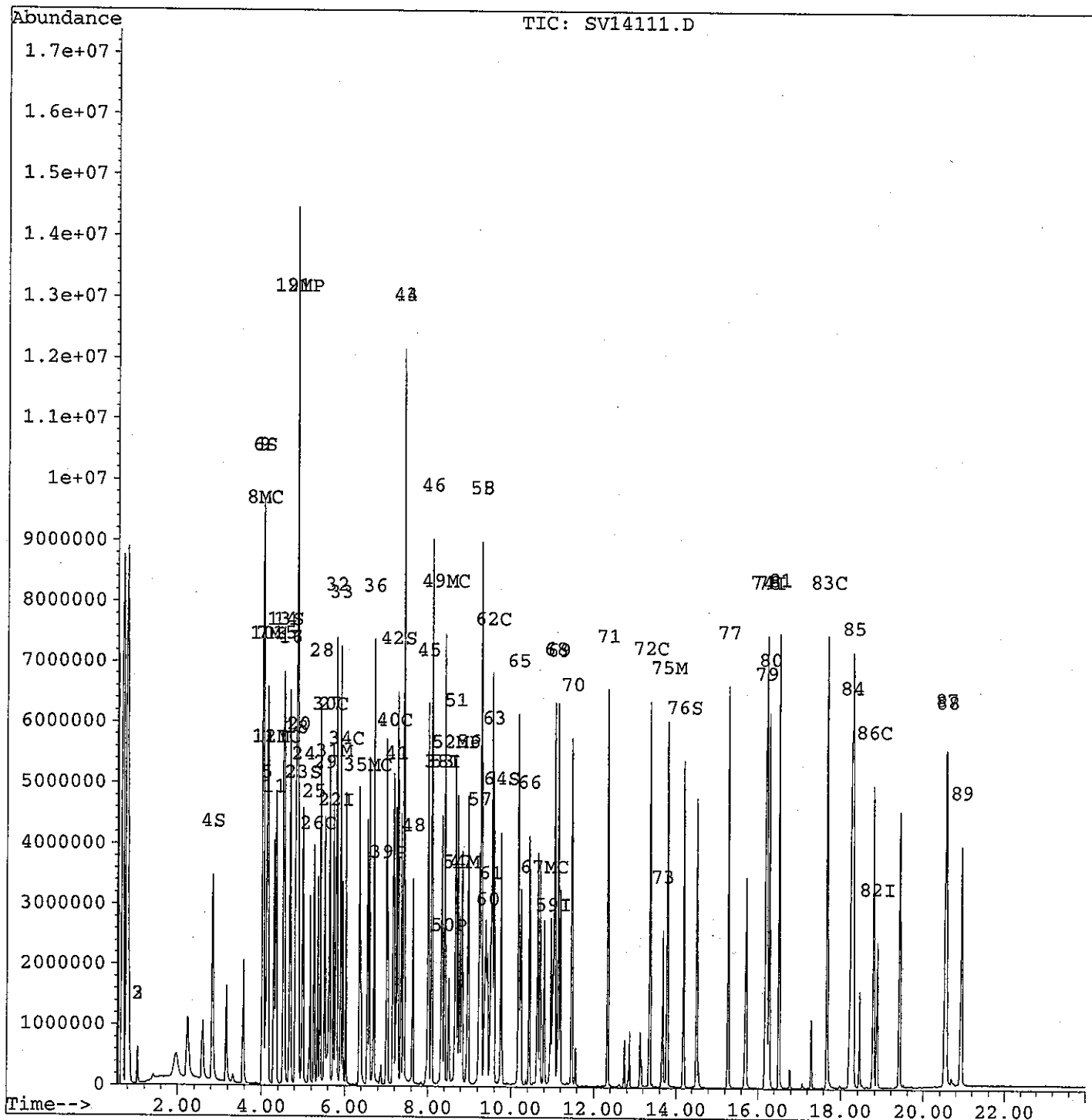
| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|--------|--------|--------|
| 50) 2,4-Dinitrophenol | 8.50 | 184 | 572341 | 76.09 | ng/uL | 92 |
| 51) Dibenzofuran | 8.68 | 168 | 4131547 | 88.38 | ng/uL | 93 |
| 52) 4-Nitrophenol | 8.65 | 65 | 709865 | 97.85 | ng/uL | 86 |
| 53) 3-Nitroaniline | 8.32 | 65 | 1189026 | 93.52 | ng/uL | 94 |
| 54) 2,4-Dinitrotoluene | 8.78 | 165 | 1162227 | 94.40 | ng/uL | 77 |
| 55) Fluorene | 9.29 | 166 | 3290585 | 90.30 | ng/uL | 100 |
| 56) 2,3,4,6-Tetrachlorophenol | 8.98 | 232 | 878618 | 94.15 | ng/uL | 97 |
| 57) Diethylphthalate | 9.24 | 149 | 3635787 | 95.27 | ng/uL | 96 |
| 58) 4-Chloro-phenyl-phenyl eth | 9.30 | 204 | 1608476 | 95.46 | ng/uL | 94 |
| 60) 4-Nitroaniline | 9.44 | 138 | 1135028 | 90.70 | ng/uL | 92 |
| 61) 4,6-Dinitro-2-Methylphenol | 9.52 | 198 | 853828 | 87.63 | ng/uL | 93 |
| 62) N-nitrosodiphenylamine | 9.55 | 169 | 2825922 | 92.07 | ng/uL | 97 |
| 63) Azobenzene | 9.59 | 77 | 4192813 | 90.27 | ng/uL | 95 |
| 65) 4-Bromophenyl-phenylether | 10.18 | 248 | 979510 | 98.78 | ng/uL# | 81 |
| 66) Hexachlorobenzene | 10.44 | 284 | 1058561 | 93.53 | ng/uL | 98 |
| 67) Pentachlorophenol | 10.80 | 266 | 595146 | 80.24 | ng/uL | 98 |
| 68) Phenanthrene | 11.06 | 178 | 4562508 | 91.85 | ng/uL | 98 |
| 69) Anthracene | 11.14 | 178 | 4556692 | 92.36 | ng/uL | 98 |
| 70) Carbazole | 11.47 | 167 | 4501905 | 93.52 | ng/uL | 99 |
| 71) Di-n-butylphthalate | 12.33 | 149 | 5964001 | 89.07 | ng/uL | 99 |
| 72) Fluoranthene | 13.36 | 202 | 4668908 | 95.48 | ng/uL | 97 |
| 73) Benzidine | 13.68 | 184 | 1845183 | 69.93 | ng/uL | 96 |
| 75) Pyrene | 13.80 | 202 | 4726738 | 102.45 | ng/uLm | 88 |
| 77) Butylbenzylphthalate | 15.28 | 149 | 2784313 | 100.21 | ng/uL | 94 |
| 78) 3,3'-Dichlorobenzidine | 16.22 | 252 | 1619285 | 98.07 | ng/uL | 95 |
| 79) Benzo (a) anthracene | 16.19 | 228 | 4254026 | 94.84 | ng/uL | 98 |
| 80) Chrysene | 16.28 | 228 | 3761555 | 93.56 | ng/uL | 97 |
| 81) bis(2-Ethylhexyl)phthalate | 16.51 | 149 | 3536324 | 94.23 | ng/uL | 95 |
| 83) Di-n-octylphthalate | 17.68 | 149 | 6120506 | 94.09 | ng/uL | 99 |
| 84) Benzo (b) fluoranthene | 18.24 | 252 | 5117779 | 88.09 | ng/uL | 98 |
| 85) Benzo (k) fluoranthene | 18.29 | 252 | 2574631 | 92.93 | ng/uLm | 92 |
| 86) Benzo (a) pyrene | 18.78 | 252 | 3462487 | 89.31 | ng/uL | 98 |
| 87) Indeno (1,2,3-Cd) Pyrene | 20.54 | 276 | 3953226 | 86.41 | ng/uL | 92 |
| 88) Dibenzo (a, h) Anthracene | 20.57 | 278 | 3389946 | 91.06 | ng/uL | 90 |
| 89) Benzo (g, h, i) perylene | 20.94 | 276 | 3186905 | 85.24 | ng/uL | 93 |

(#) = qualifier out of range (m) = manual integration
 SV14111.D SV1NJ.M Tue Aug 15 16:50:42 2006

Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\MD081406\SV14111.D Vial: 10
Acq On : 15 Aug 106 12:13 am Operator: VSC
Sample : BH61402-BS1 Inst : SVOA-MS1
Misc : Multiplr: 1.00
Quant Time: Aug 15 16:50 19106

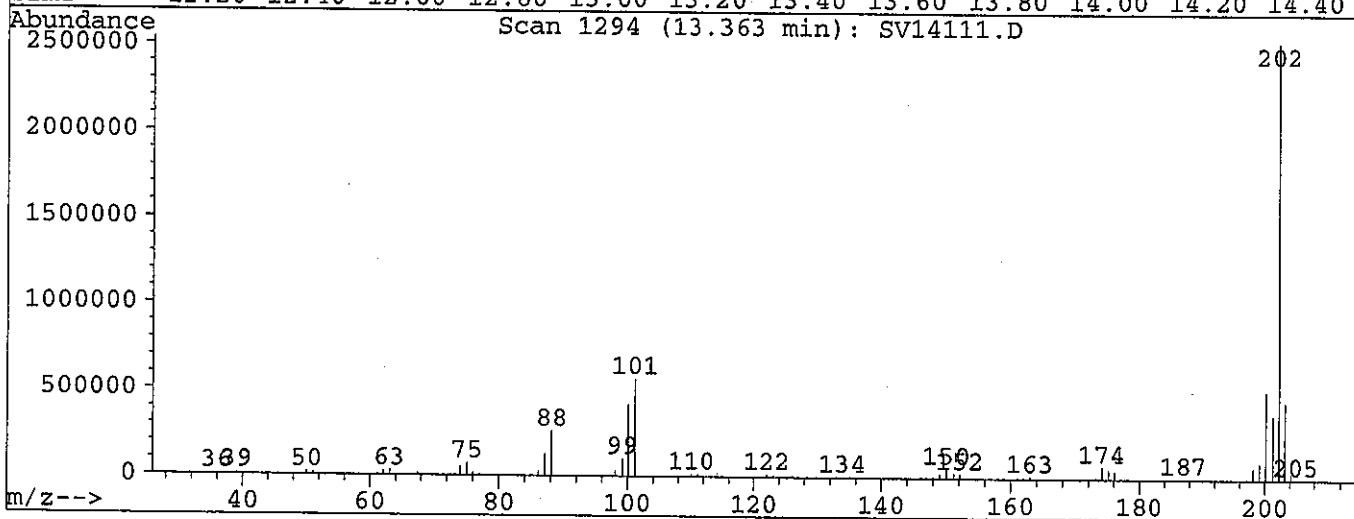
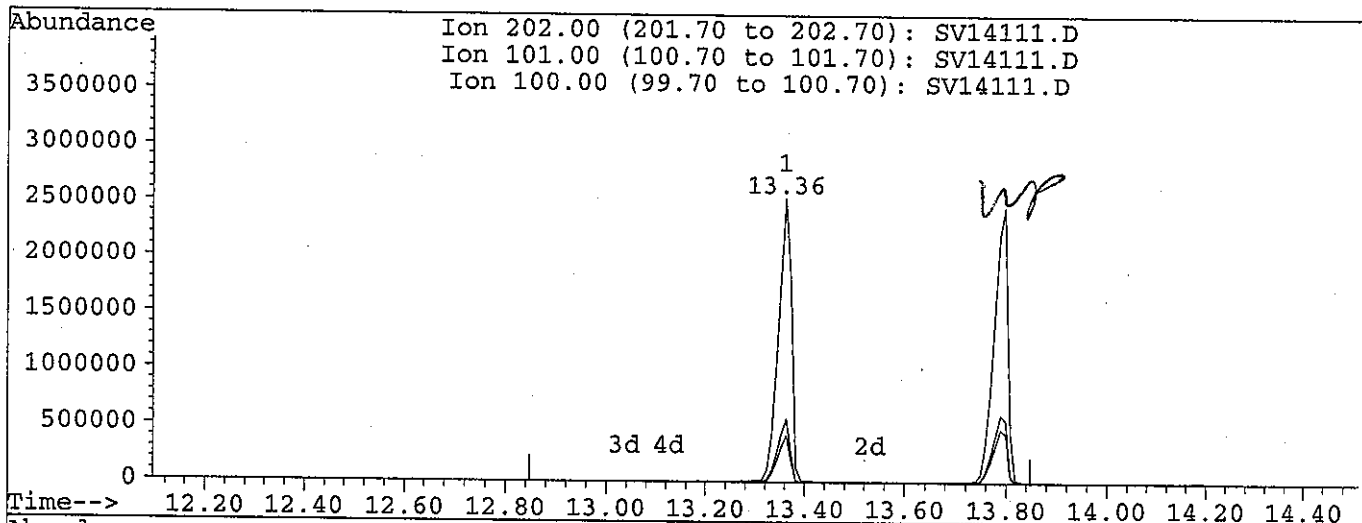
Method : C:\HPCHEM\1\METHODS\SV1NJ.M
Title : ELEMENT ID: 0607036(SOIL) 0607037(AQUEOUS)
Last Update : Tue Aug 15 16:43:52 2006
Response via : Multiple Level Calibration



Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\MD081406\SV14111.D Vial: 10
 Acq On : 15 Aug 106 12:13 am Operator: VSC
 Sample : BH61402-BS1 Inst : SVOA-MS1
 Misc : Multiplr: 1.00
 Quant Time: Aug 15 10:10 19106

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
 Title : ELEMENT ID: 0607036(SOIL) 0607037(AQUEOUS)
 Last Update : Tue Aug 15 16:43:52 2006
 Response via : Multiple Level Calibration



TIC: SV14111.D

(75) Pyrene (M)

13.36min 101.20ng/uL

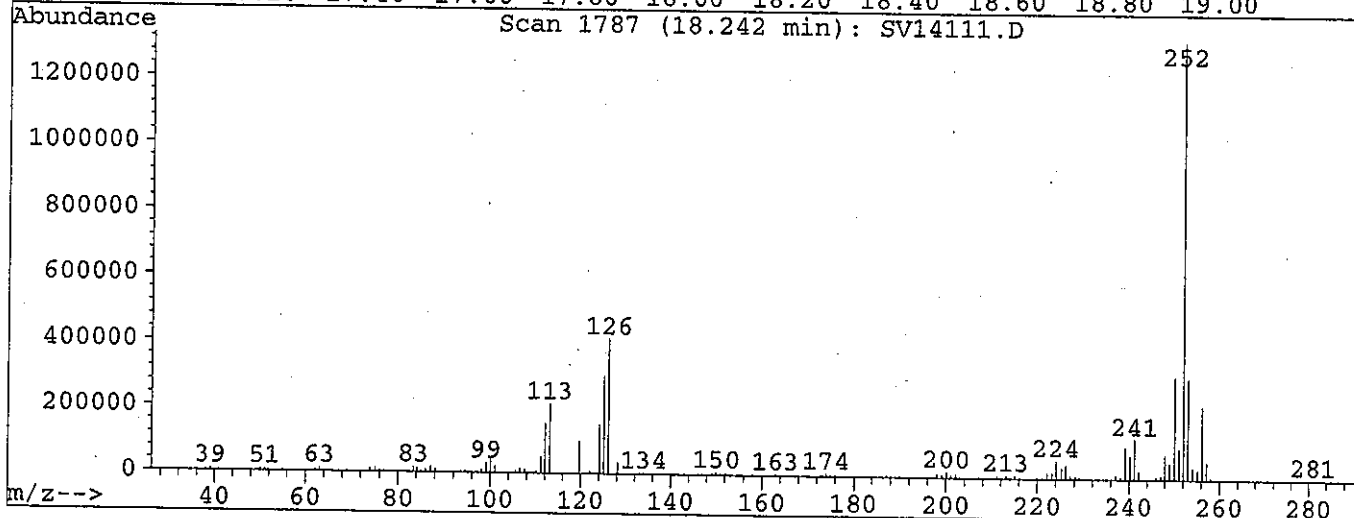
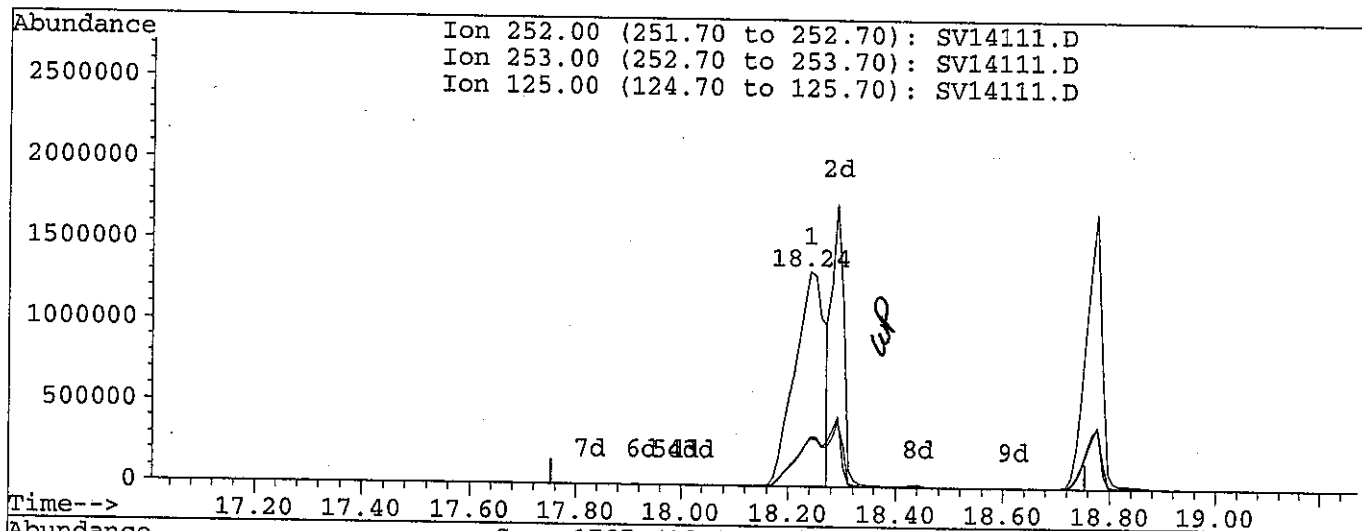
response 4668908

| Ion | Exp% | Act% |
|--------|-------|-------|
| 202.00 | 100 | 100 |
| 101.00 | 28.20 | 22.30 |
| 100.00 | 22.20 | 16.42 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\MD081406\SV14111.D Vial: 10
 Acq On : 15 Aug 106 12:13 am Operator: VSC
 Sample : BH61402-BS1 Inst : SVOA-MS1
 Misc : Multiplr: 1.00
 Quant Time: Aug 15 10:09 19106

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
 Title : ELEMENT ID: 0607036(SOIL) 0607037(AQUEOUS)
 Last Update : Tue Aug 15 10:05:44 2006
 Response via : Multiple Level Calibration



TIC: SV14111.D

(85) Benzo(k)fluoranthene
 18.24min -40.00ng/uL
 response 5117779

| Ion | Exp% | Act% |
|--------|-------|-------|
| 252.00 | 100 | 100 |
| 253.00 | 24.70 | 23.04 |
| 125.00 | 29.10 | 22.36 |
| 0.00 | 0.00 | 0.00 |

QA/QC Check Report

Data File: SV14111.D
Sample Name: BH61402-BS1
Misc Info :

Analysis Time: 15 Aug 106 12:13 am

=====
Internal Standard Comparison
Std Data File: Q:\SVOA\MS1_MD\MD0806\MD081406\SV14103.D
Analysis Time: 14 Aug 106 8:07 pm

| Internal Standard | Sample Area | Std Area | % Recovery |
|---------------------------|-------------|----------|------------|
| 1) 1,4-Dichlorobenzene-d4 | 637366 | 641264 | 99.4 |
| 22) Naphthalene-d8 | 2369824 | 2440706 | 97.1 |
| 38) Acenaphthene-d10 | 1120265 | 1132637 | 98.9 |
| 59) Phenanthrene-d10 | 1672336 | 1712264 | 97.7 |
| 74) Chrysene-d12 | 1436867 | 1427218 | 100.7 |
| 82) Perylene-d12 | 1261164 | 1265600 | 99.6 |

% Recovery = (Sample Area/Std Area)*100
** = Outside Limits

Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\MD081406\SV14112.D Vial: 11
 Acq On : 15 Aug 106 12:44 am Operator: VSC
 Sample : BH61402-BSD1 Inst : SVOA-MS1
 Misc : Multiplr: 1.00
 Quant Time: Aug 15 16:51 19106

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
 Title : ELEMENT ID: 0607036(SOIL) 0607037(AQUEOUS)
 Last Update : Tue Aug 15 16:43:52 2006
 Response via : Multiple Level Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 4.33 | 152 | 652390 | 40.00 | ng/uL | 0.00 |
| 22) Naphthalene-d8 | 5.78 | 136 | 2455934 | 40.00 | ng/uL | 0.00 |
| 38) Acenaphthene-d10 | 8.35 | 164 | 1136827 | 40.00 | ng/uL | 0.00 |
| 59) Phenanthrene-d10 | 11.00 | 188 | 1685803 | 40.00 | ng/uL | 0.00 |
| 74) Chrysene-d12 | 16.22 | 240 | 1443446 | 40.00 | ng/uL | 0.00 |
| 82) Perylene-d12 | 18.86 | 264 | 1279525 | 40.00 | ng/uL | 0.01 |

| System Monitoring Compounds | R.T. | QIon | Response | Conc | Units | %Recovery |
|-----------------------------------|-------|------|----------|--------|-------|-----------|
| 4) 2-Fluorophenol (SURR) | 2.83 | 112 | 2824918 | 115.33 | ng/uL | 76.88% |
| 6) Phenol-d5 (SURR) | 4.03 | 99 | 3666757 | 117.59 | ng/uL | 78.39% |
| 10) 2-Chlorophenol-d4 (SURR) | 4.14 | 132 | 2864723 | 118.72 | ng/uL | 79.15% |
| 13) 1,2 Dichlorobenzene-d4 (SURR) | 4.54 | 152 | 1154019 | 81.31 | ng/uL | 81.31% |
| 23) Nitrobenzene-d5 (SURR) | 4.97 | 82 | 1794608 | 79.78 | ng/uL | 79.78% |
| 42) 2-Fluorobiphenyl (SURR) | 7.27 | 172 | 3153297 | 84.45 | ng/uL | 84.45% |
| 64) 2,4,6-Tribromophenol (SURR) | 9.76 | 330 | 881230 | 129.19 | ng/uL | 86.13% |
| 76) Terphenyl-d14 (SURR) | 14.19 | 244 | 2921578 | 95.11 | ng/uL | 95.11% |

sk
8/15/06

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|---------------------------------|------|------|----------|--------|-------|--------|
| 2) N-Nitrosodimethylamine | 1.04 | 74 | 116489 | 68.95 | ng/uL | 96 |
| 3) Pyridine | 1.04 | 79 | 188084 | 63.86 | ng/uL | 100 |
| 5) bis(2-Chloroethyl) ether | 4.11 | 93 | 2026282 | 79.95 | ng/uL | 96 |
| 7) 2-Chlorophenol | 4.16 | 128 | 1952282 | 77.34 | ng/uL | 98 |
| 8) Phenol | 4.05 | 94 | 2779720 | 74.95 | ng/uL | 84 |
| 9) Aniline | 4.03 | 93 | 2539886 | 65.70 | ng/uL | 80 |
| 11) 1,3-Dichlorobenzene | 4.29 | 146 | 1801504 | 72.87 | ng/uL | 99 |
| 12) 1,4-Dichlorobenzene | 4.35 | 146 | 1877998 | 74.10 | ng/uL | 99 |
| 14) 1,2-Dichlorobenzene | 4.55 | 146 | 1787919 | 77.33 | ng/uL | 99 |
| 15) Benzyl Alcohol | 4.52 | 79 | 1412552 | 79.10 | ng/uL | 94 |
| 16) bis(2-chloroisopropyl) Ethe | 4.68 | 45 | 2781453 | 75.27 | ng/uL | 95 |
| 17) 2-Methylphenol | 4.68 | 108 | 1729774 | 77.01 | ng/uL | 99 |
| 18) Acetophenone | 4.80 | 105 | 2407180 | 83.38 | ng/uL | 96 |
| 19) N-Nitroso-Di-n-Propylamine | 4.85 | 70 | 1290118 | 75.14 | ng/uL | 99 |
| 20) Hexachloroethane | 4.88 | 117 | 760916 | 74.48 | ng/uL | 73 |
| 21) 3+4-Methylphenol | 4.84 | 108 | 3635325 | 151.57 | ng/uL | 87 |
| 24) Nitrobenzene | 4.99 | 77 | 1753944 | 75.28 | ng/uL | 100 |
| 25) Isophorone | 5.25 | 82 | 3431994 | 77.56 | ng/uL | 97 |
| 26) 2-Nitrophenol | 5.35 | 139 | 1151460 | 78.46 | ng/uL | 90 |
| 27) Benzoic Acid | 5.61 | 105 | 886400 | 48.66 | ng/uL | 94 |
| 28) 2,4-Dimethylphenol | 5.41 | 107 | 1733907 | 85.51 | ng/uL | 91 |
| 29) bis(2-Chloroethoxy)methane | 5.51 | 93 | 2276128 | 78.14 | ng/uL | 92 |
| 30) 2,4-Dichlorophenol | 5.63 | 162 | 1451721 | 83.47 | ng/uL | 96 |
| 31) 1,2,4-Trichlorobenzene | 5.73 | 180 | 1429935 | 78.28 | ng/uL | 98 |
| 32) Naphthalene | 5.80 | 128 | 4828896 | 76.82 | ng/uL | 99 |
| 33) 4-Chloroaniline | 5.90 | 127 | 1970870 | 68.26 | ng/uL | 99 |
| 34) Hexachlorobutadiene | 6.02 | 225 | 690323 | 82.42 | ng/uL | 100 |
| 35) 4-Chloro-3-Methylphenol | 6.55 | 107 | 1535138 | 87.37 | ng/uL | 88 |
| 36) 2-Methylnaphthalene | 6.71 | 142 | 3105053 | 81.49 | ng/uL | 99 |
| 39) Hexachlorocyclopentadiene | 7.04 | 237 | 578352 | 58.57 | ng/uL | 99 |
| 40) 2,4,6-Trichlorophenol | 7.17 | 196 | 1020576 | 86.26 | ng/uL | 100 |
| 41) 2,4,5-Trichlorophenol | 7.23 | 196 | 1077179 | 88.23 | ng/uL | 99 |
| 43) Biphenyl | 7.41 | 154 | 3656167 | 89.09 | ng/uL | 99 |
| 44) 2-Chloronaphthalene | 7.42 | 162 | 2665297 | 70.10 | ng/uL | 98 |
| 45) Dimethylphthalate | 8.00 | 163 | 3423561 | 87.88 | ng/uL | 99 |
| 46) Acenaphthylene | 8.09 | 152 | 4238426 | 77.24 | ng/uL | 99 |
| 47) 2,6-Dinitrotoluene | 8.78 | 165 | 1066066 | 85.33 | ng/uL | 76 |
| 48) 2-Nitroaniline | 7.63 | 65 | 975875 | 84.94 | ng/uL | 96 |
| 49) Acenaphthene | 8.41 | 153 | 2749904 | 82.18 | ng/uL | 99 |

(#) = qualifier out of range (m) = manual integration
 SV14112.D SV1NJ.M Tue Aug 15 16:51:50 2006

Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\MD081406\SV14112.D Vial: 11
 Acq On : 15 Aug 106 12:44 am Operator: VSC
 Sample : BH61402-BSD1 Inst : SVOA-MS1
 Misc : Multiplr: 1.00
 Quant Time: Aug 15 16:51 19106

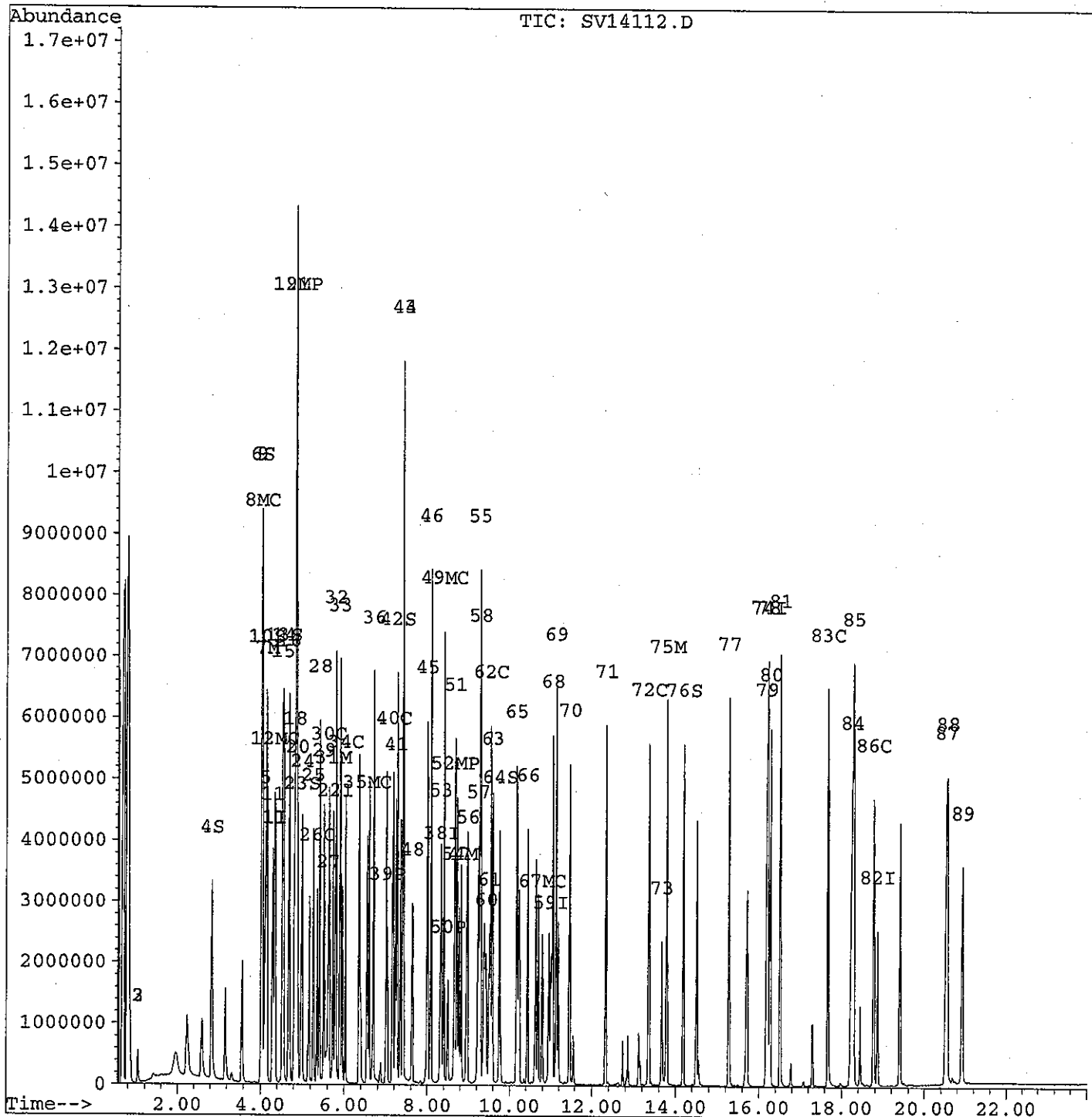
Method : C:\HPCHEM\1\METHODS\SV1NJ.M
 Title : ELEMENT ID: 0607036(SOIL) 0607037(AQUEOUS)
 Last Update : Tue Aug 15 16:43:52 2006
 Response via : Multiple Level Calibration

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|-------|--------|--------|
| 50) 2,4-Dinitrophenol | 8.50 | 184 | 539580 | 71.14 | ng/uL | 92 |
| 51) Dibenzofuran | 8.67 | 168 | 3928146 | 82.81 | ng/uL | 96 |
| 52) 4-Nitrophenol | 8.66 | 65 | 661533 | 89.86 | ng/uL | 87 |
| 53) 3-Nitroaniline | 8.33 | 65 | 1077192 | 83.49 | ng/uL | 92 |
| 54) 2,4-Dinitrotoluene | 8.78 | 165 | 1066066 | 85.33 | ng/uL | 80 |
| 55) Fluorene | 9.28 | 166 | 3120657 | 84.39 | ng/uL | 100 |
| 56) 2,3,4,6-Tetrachlorophenol | 8.98 | 232 | 820574 | 86.65 | ng/uL | 95 |
| 57) Diethylphthalate | 9.24 | 149 | 3372745 | 87.09 | ng/uL | 96 |
| 58) 4-Chloro-phenyl-phenyl eth | 9.30 | 204 | 1543229 | 90.25 | ng/uL | 90 |
| 60) 4-Nitroaniline | 9.43 | 138 | 1054424 | 83.58 | ng/uL | 92 |
| 61) 4,6-Dinitro-2-Methylphenol | 9.51 | 198 | 791652 | 80.93 | ng/uL | 95 |
| 62) N-nitrosodiphenylamine | 9.54 | 169 | 2668476 | 86.25 | ng/uL | 98 |
| 63) Azobenzene | 9.59 | 77 | 3985063 | 85.11 | ng/uL | 90 |
| 65) 4-Bromophenyl-phenylether | 10.19 | 248 | 917945 | 91.83 | ng/uL# | 78 |
| 66) Hexachlorobenzene | 10.44 | 284 | 978480 | 85.76 | ng/uL | 93 |
| 67) Pentachlorophenol | 10.79 | 266 | 546858 | 73.61 | ng/uL | 98 |
| 68) Phenanthrene | 11.05 | 178 | 4242557 | 84.72 | ng/uL | 98 |
| 69) Anthracene | 11.14 | 178 | 4219869 | 84.85 | ng/uL | 98 |
| 70) Carbazole | 11.48 | 167 | 4174344 | 86.03 | ng/uL | 99 |
| 71) Di-n-butylphthalate | 12.34 | 149 | 5586911 | 82.77 | ng/uL | 99 |
| 72) Fluoranthene | 13.37 | 202 | 4316694 | 87.57 | ng/uL | 96 |
| 73) Benzidine | 13.67 | 184 | 1598983 | 60.70 | ng/uL | 97 |
| 75) Pyrene | 13.79 | 202 | 4344397 | 93.73 | ng/uLm | 82 |
| 77) Butylbenzylphthalate | 15.28 | 149 | 2562009 | 91.79 | ng/uL | 96 |
| 78) 3,3'-Dichlorobenzidine | 16.22 | 252 | 1449542 | 87.51 | ng/uL | 95 |
| 79) Benzo(a)anthracene | 16.19 | 228 | 3935868 | 87.35 | ng/uL | 98 |
| 80) Chrysene | 16.28 | 228 | 3487282 | 86.35 | ng/uL | 97 |
| 81) bis(2-Ethylhexyl)phthalate | 16.51 | 149 | 3260365 | 86.56 | ng/uL | 96 |
| 83) Di-n-octylphthalate | 17.67 | 149 | 5656658 | 86.30 | ng/uL | 99 |
| 84) Benzo(b)fluoranthene | 18.24 | 252 | 4509229 | 77.62 | ng/uL | 98 |
| 85) Benzo(k)fluoranthene | 18.29 | 252 | 2682655 | 97.55 | ng/uLm | 91 |
| 86) Benzo(a)pyrene | 18.77 | 252 | 3218679 | 82.13 | ng/uL | 99 |
| 87) Indeno(1,2,3-Cd)Pyrene | 20.53 | 276 | 3652416 | 78.91 | ng/uL | 91 |
| 88) Dibenzo(a,h)Anthracene | 20.56 | 278 | 3147504 | 83.55 | ng/uL | 90 |
| 89) Benzo(g,h,i)perylene | 20.93 | 276 | 2902561 | 76.70 | ng/uL | 93 |

Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\MD081406\SV14112.D Vial: 11
Acq On : 15 Aug 106 12:44 am Operator: VSC
Sample : BH61402-BSD1 Inst : SVOA-MS1
Misc : Multiplr: 1.00
Quant Time: Aug 15 16:51 19106

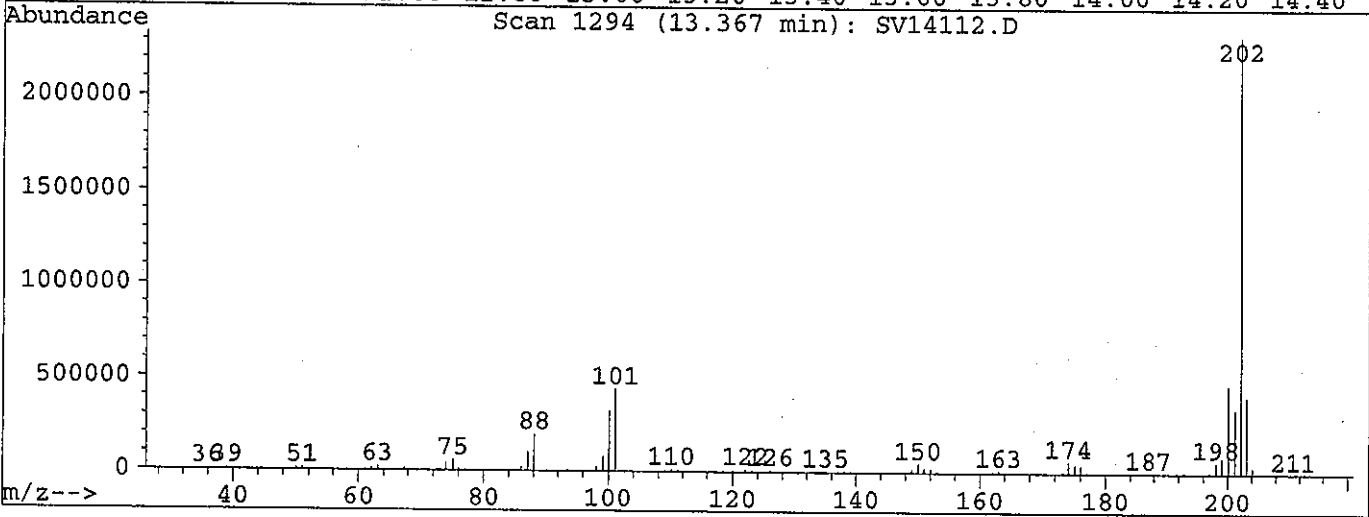
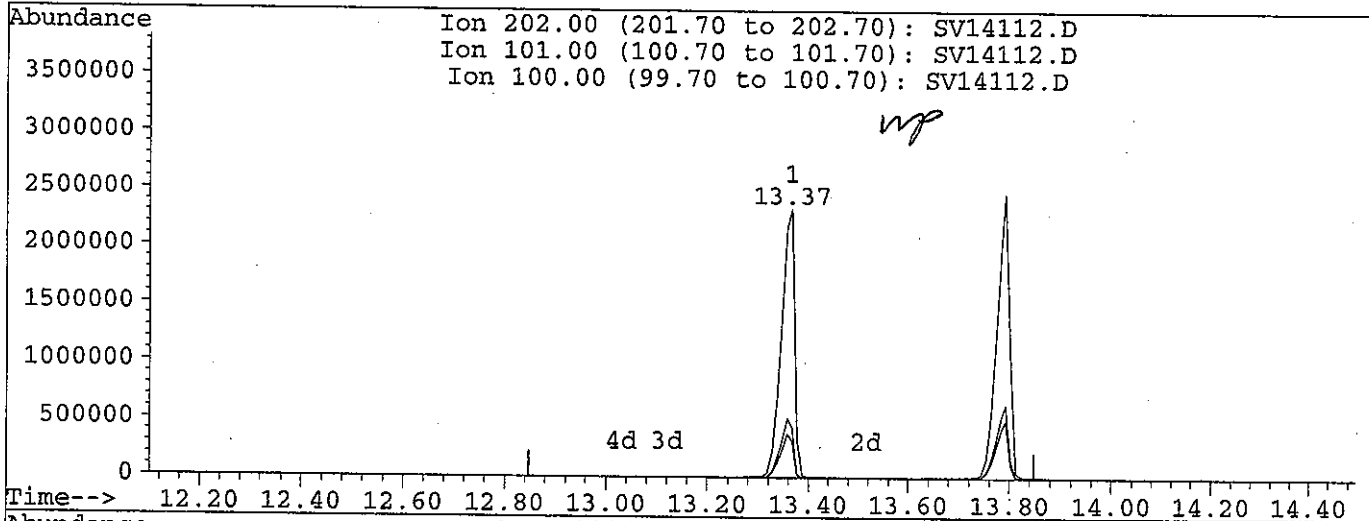
Method : C:\HPCHEM\1\METHODS\SV1NJ.M
Title : ELEMENT ID: 0607036(SOIL) 0607037(AQUEOUS)
Last Update : Tue Aug 15 16:43:52 2006
Response via : Multiple Level Calibration



Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\MD081406\SV14112.D Vial: 11
 Acq On : 15 Aug 106 12:44 am Operator: VSC
 Sample : BH61402-BSD1 Inst : SVOA-MS1
 Misc : Multiplr: 1.00
 Quant Time: Aug 15 10:12 19106

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
 Title : ELEMENT ID: 0607036(SOIL) 0607037(AQUEOUS)
 Last Update : Tue Aug 15 16:43:52 2006
 Response via : Multiple Level Calibration



TIC: SV14112.D

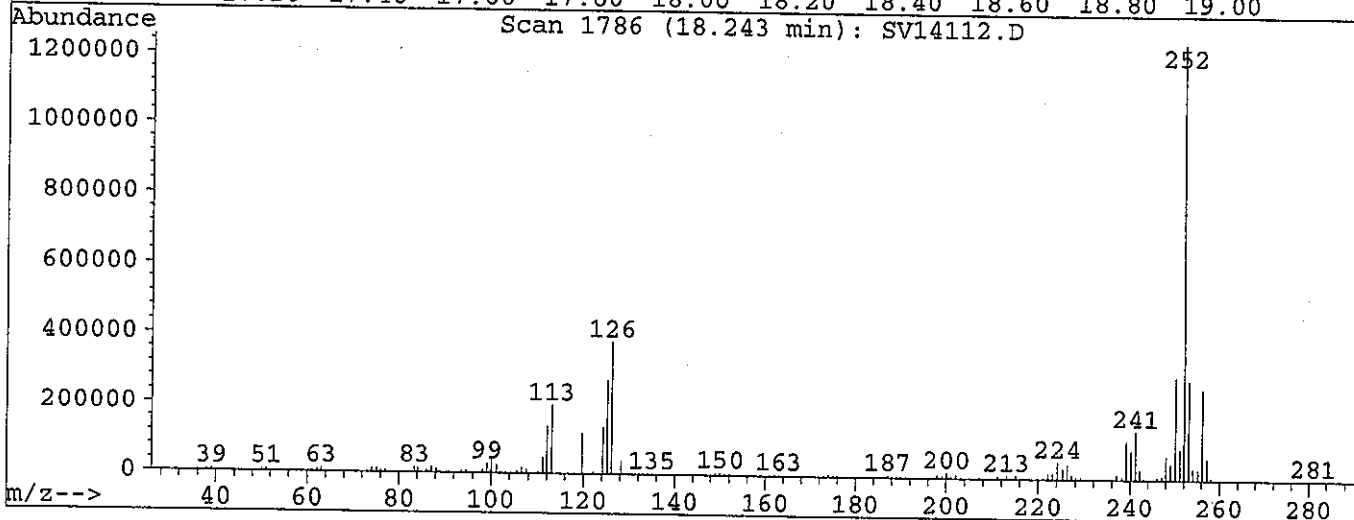
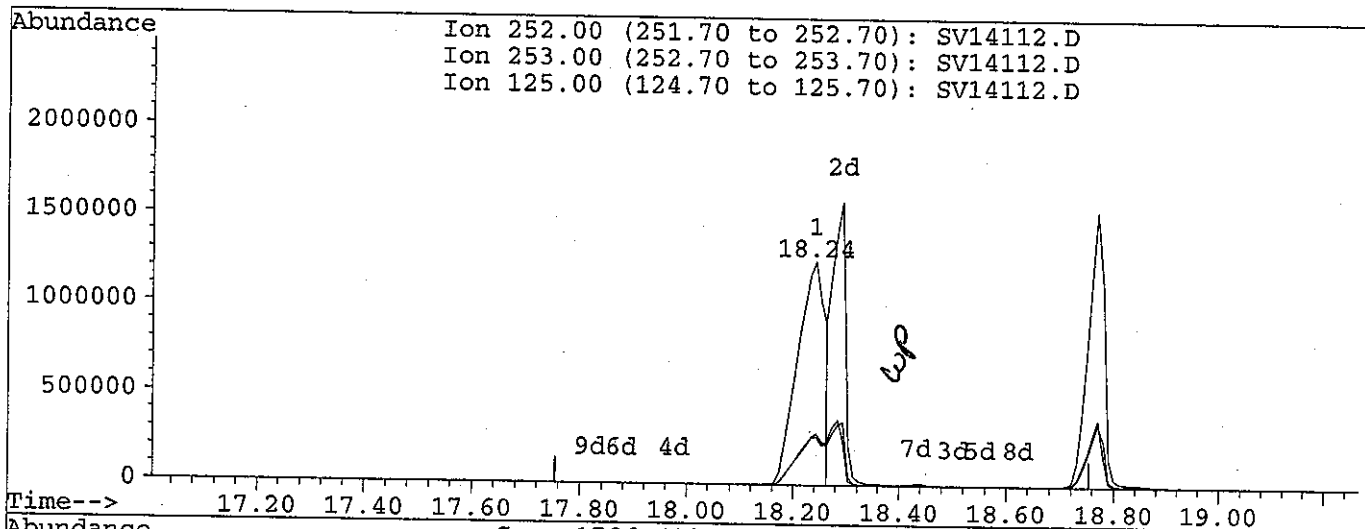
(75) Pyrene (M)
 13.37min 93.14ng/uL
 response 4316694

| Ion | Exp% | Act% |
|--------|-------|-------|
| 202.00 | 100 | 100 |
| 101.00 | 28.20 | 18.76 |
| 100.00 | 22.20 | 13.70 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\MD081406\SV14112.D Vial: 11
 Acq On : 15 Aug 106 12:44 am Operator: VSC
 Sample : BH61402-BSD1 Inst : SVOA-MS1
 Misc : Multiplr: 1.00
 Quant Time: Aug 15 10:11 19106

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
 Title : ELEMENT ID: 0607036(SOIL) 0607037(AQUEOUS)
 Last Update : Tue Aug 15 10:05:44 2006
 Response via : Multiple Level Calibration



TIC: SV14112.D

(85) Benzo(k)fluoranthene

18.24min -40.00ng/uL

response 4509229

| Ion | Exp% | Act% |
|--------|-------|-------|
| 252.00 | 100 | 100 |
| 253.00 | 24.70 | 22.91 |
| 125.00 | 29.10 | 21.65 |
| 0.00 | 0.00 | 0.00 |

QA/QC Check Report

Data File: SV14112.D
Sample Name: BH61402-BSD1
Misc Info :

Analysis Time: 15 Aug 106 12:44 am

=====
Internal Standard Comparison
Std Data File: Q:\SVOA\MS1_MD\MD0806\MD081406\SV14103.D
Analysis Time: 14 Aug 106 8:07 pm

| Internal Standard | Sample Area | Std Area | % Recovery |
|---------------------------|-------------|----------|------------|
| 1) 1,4-Dichlorobenzene-d4 | 652390 | 641264 | 101.7 |
| 22) Naphthalene-d8 | 2455934 | 2440706 | 100.6 |
| 38) Acenaphthene-d10 | 1136827 | 1132637 | 100.4 |
| 59) Phenanthrene-d10 | 1685803 | 1712264 | 98.5 |
| 74) Chrysene-d12 | 1443446 | 1427218 | 101.1 |
| 82) Perylene-d12 | 1279525 | 1265600 | 101.1 |

% Recovery = (Sample Area/Std Area)*100

** = Outside Limits

Semi-Volatile Organics Calibration Data

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

8270C

| | |
|--|--|
| Laboratory: <u>ESS Laboratory</u> | SDG: <u>0608248</u> |
| Client: <u>MACTEC Engineering & Consulting, Inc.</u> | Project: <u>Providence Gorham Site</u> |
| Lab File ID: <u>SV14125.D</u> | Injection Date: <u>08/15/06</u> |
| Instrument ID: <u>SVOA-MS1</u> | Injection Time: <u>07:55</u> |
| Sequence: <u>BPH0157</u> | Lab Sample ID: <u>BPH0157-TUN1</u> |

| m/z | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE | |
|-----|------------------------------------|----------------------|------|
| 51 | 30 - 60% of 198 | 34 | PASS |
| 68 | Less than 2% of 69 | 0 | PASS |
| 69 | Less than 100% of 198 | 51.8 | PASS |
| 70 | Less than 2% of 69 | 0.632 | PASS |
| 127 | 40 - 60% of 198 | 44.9 | PASS |
| 197 | Less than 1% of 198 | 0 | PASS |
| 198 | Base peak, 100% relative abundance | 100 | PASS |
| 199 | 5 - 9% of 198 | 7.02 | PASS |
| 275 | 10 - 30% of 198 | 18.2 | PASS |
| 365 | 1 - 100% of 198 | 1.52 | PASS |
| 441 | 0.01 - 100% of 443 | 73.6 | PASS |
| 442 | 40 - 110% of 198 | 73.9 | PASS |
| 443 | 17 - 23% of 442 | 20 | PASS |

Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\MD081506\SV14125.D Vial: 1
 Acq On : 15 Aug 106 7:55 am Operator: JLS
 Sample : BPH0157-TUN1 Inst : SVOA-MS1
 Misc : Multiplr: 1.00
 Quant Time: Aug 17 8:36 19106

Method : C:\HPCHEM\1\METHODS\DFTPP.M
 Title : daily instrument eval mix
 Last Update : Wed Aug 16 10:44:30 2006
 Response via : Single Level Calibration

Internal Standards R.T. QIon Response Conc Units Dev(Min)

System Monitoring Compounds

%Recovery

Target Compounds

Qvalue

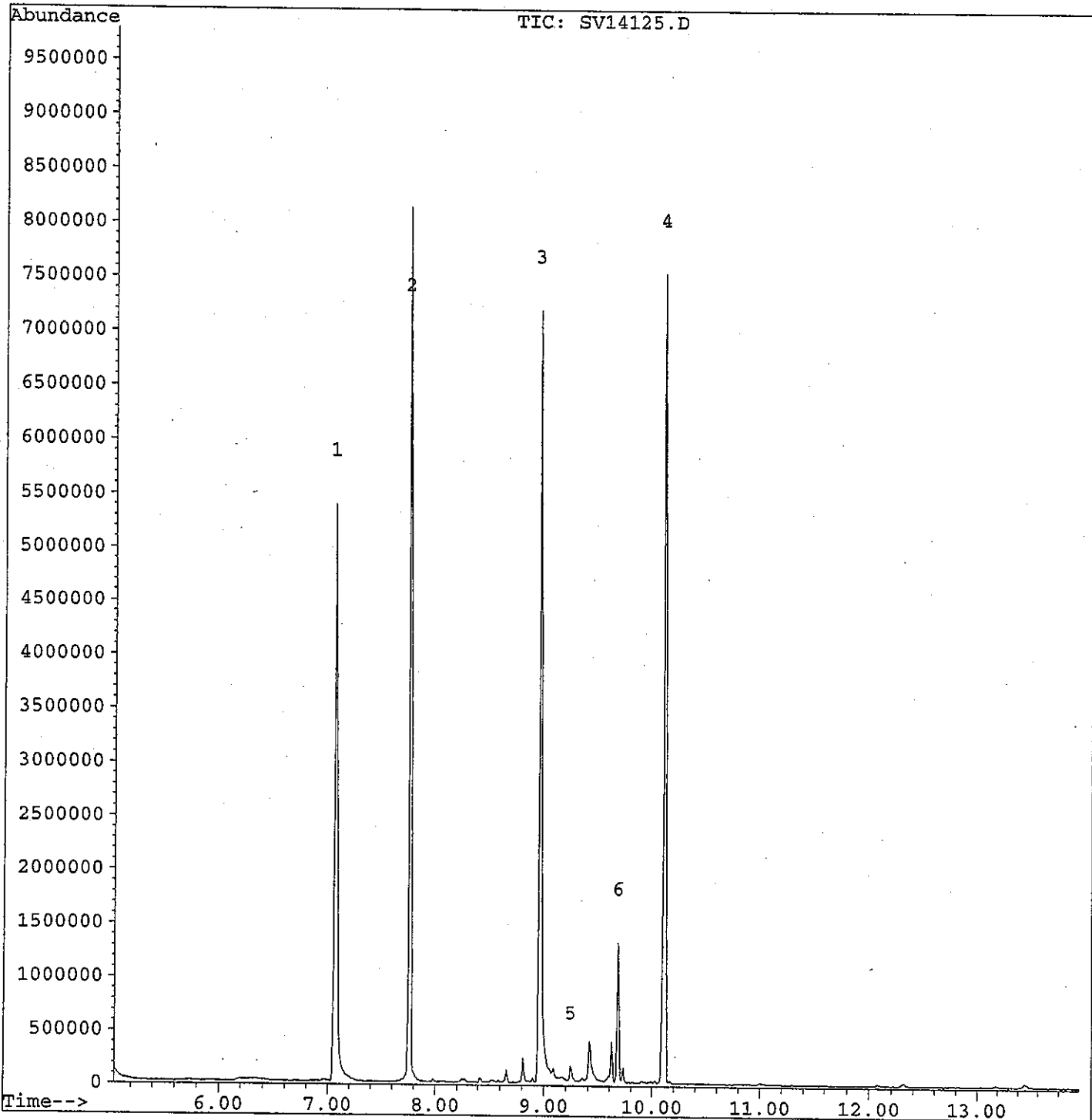
| Target Compounds | R.T. | QIon | Response | Conc | Units | Dev(Min) | %Recovery | Qvalue |
|----------------------|-------|------|----------|---------|-------|----------|-----------|--------|
| 1) Pentachlorophenol | 7.07 | 266 | 1218830 | 515.41 | m | 0 | | |
| 2) Dftpp | 7.76 | 198 | 1367893 | 312.18 | m | 0 | | |
| 3) Benzidine | 8.97 | 184 | 4332904 | 242.50 | m | 1 | | |
| 4) DDT | 10.12 | 0 | 10902288 | 327.04 | m | 100 | | |
| 5) DDE | 9.24 | 0 | 206765 | 1227.82 | m | 0 | | |
| 6) DDD | 9.68 | 0 | 1558964 | 614.12 | m | 0 | | |

DDT Break down = 13.9%

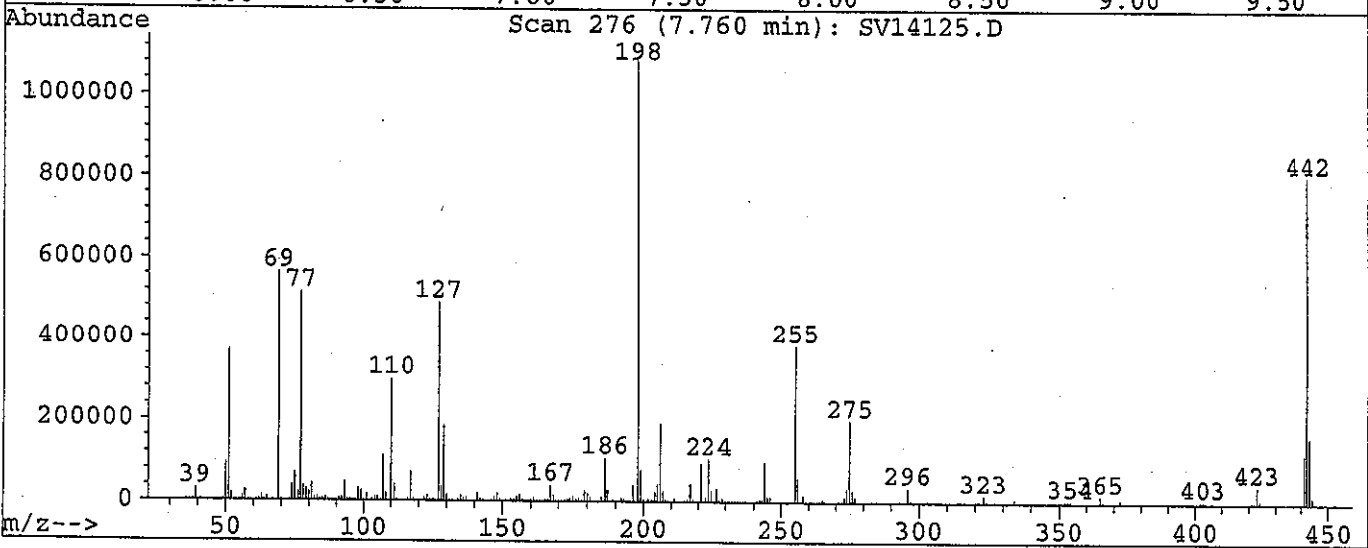
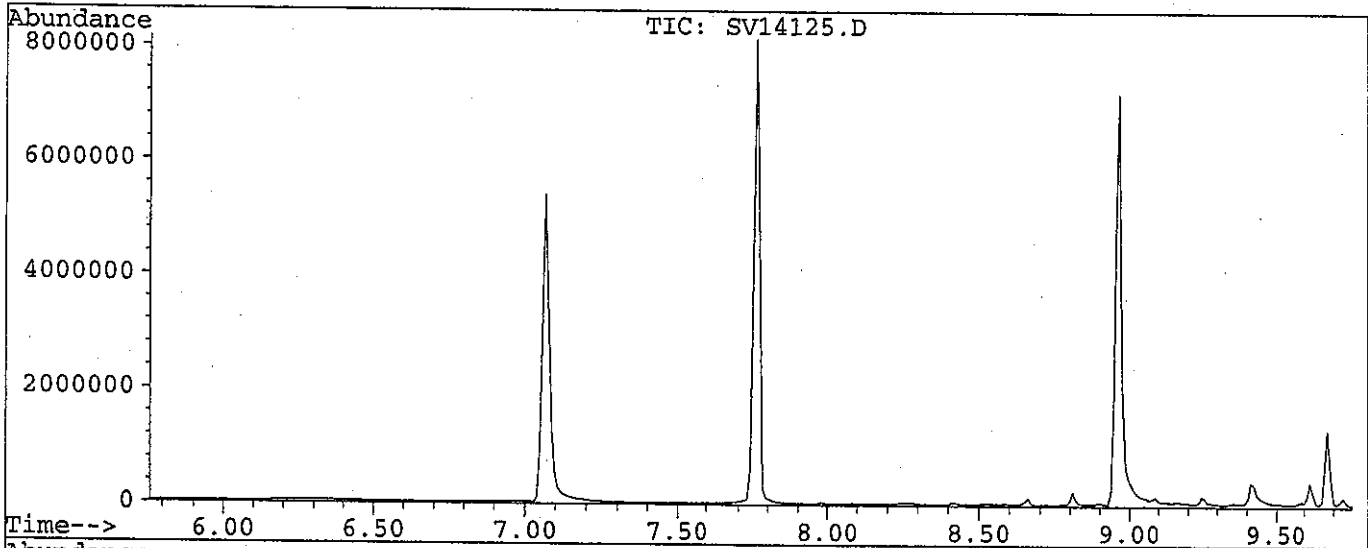
Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\MD081506\SV14125.D Vial: 1
Acq On : 15 Aug 106 7:55 am Operator: JLS
Sample : BPH0157-TUN1 Inst : SVOA-MS1
Misc : Multiplr: 1.00
Quant Time: Aug 17 8:36 19106

Method : C:\HPCHEM\1\METHODS\DFTPP.M
Title : daily instrument eval mix
Last Update : Wed Aug 16 10:44:30 2006
Response via : Single Level Calibration



Data File : Q:\SVOA\MS1_MD\MD0806\MD081506\SV14125.D Vial: 1
 Acq On : 15 Aug 106 7:55 am Operator: JLS
 Sample : BPH0157-TUN1 Inst : SVOA-MS1
 Misc : Multiplr: 1.00
 Method : C:\HPCHEM\1\METHODS\DFTPP.M
 Title : daily instrument eval mix



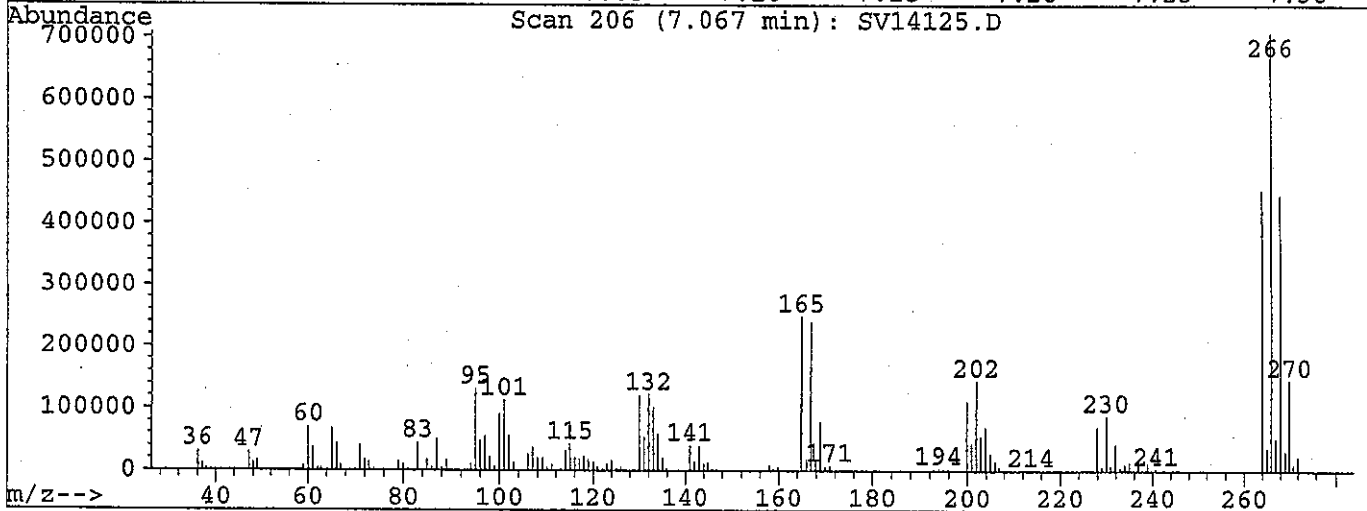
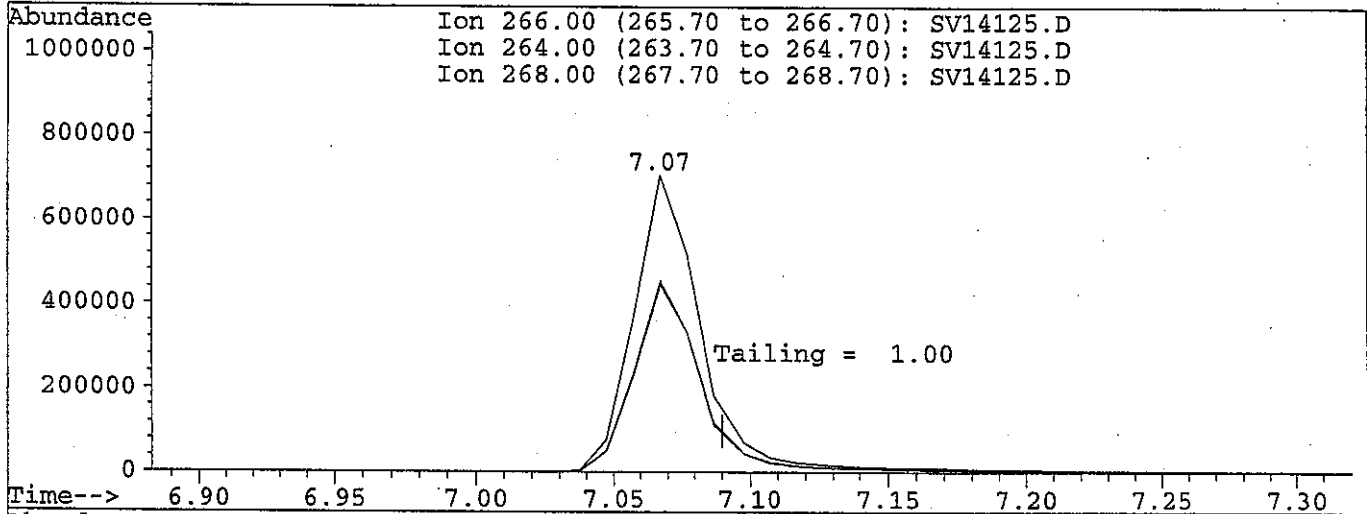
Peak Apex is scan: 276

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|-------------|--------------|--------------|--------------|-----------|---------|------------------|
| 51 | 198 | 30 | 60 | 34.0 | 370304 | PASS |
| 68 | 69 | 0 | 2 | 0.0 | 0 | PASS |
| 69 | 198 | 0 | 100 | 51.8 | 563520 | PASS |
| 70 | 69 | 0 | 2 | 0.6 | 3562 | PASS |
| 127 | 198 | 40 | 60 | 44.9 | 488192 | PASS |
| 197 | 198 | 0 | 1 | 0.0 | 0 | PASS |
| 198 | 198 | 100 | 100 | 100.0 | 1088000 | PASS |
| 199 | 198 | 5 | 9 | 7.0 | 76424 | PASS |
| 275 | 198 | 10 | 30 | 18.2 | 198528 | PASS |
| 365 | 198 | 1 | 100 | 1.5 | 16560 | PASS |
| 441 | 443 | 0 | 100 | 73.6 | 118304 | PASS |
| 442 | 198 | 40 | 110 | 73.9 | 803584 | PASS |
| 443 | 442 | 17 | 23 | 20.0 | 160704 | PASS |

Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\MD081506\SV14125.D Vial: 1
 Acq On : 15 Aug 106 7:55 am Operator: JLS
 Sample : BPH0157-TUN1 Inst : SVOA-MS1
 Misc : Multiplr: 1.00
 Quant Time: Aug 15 8:11 19106

Method : C:\HPCHEM\1\METHODS\DFTPP.M
 Title : daily instrument eval mix
 Last Update : Wed Jul 26 11:10:52 2006
 Response via : Single Level Calibration



TIC: SV14125.D

(1) Pentachlorophenol

7.07min 515.41 m

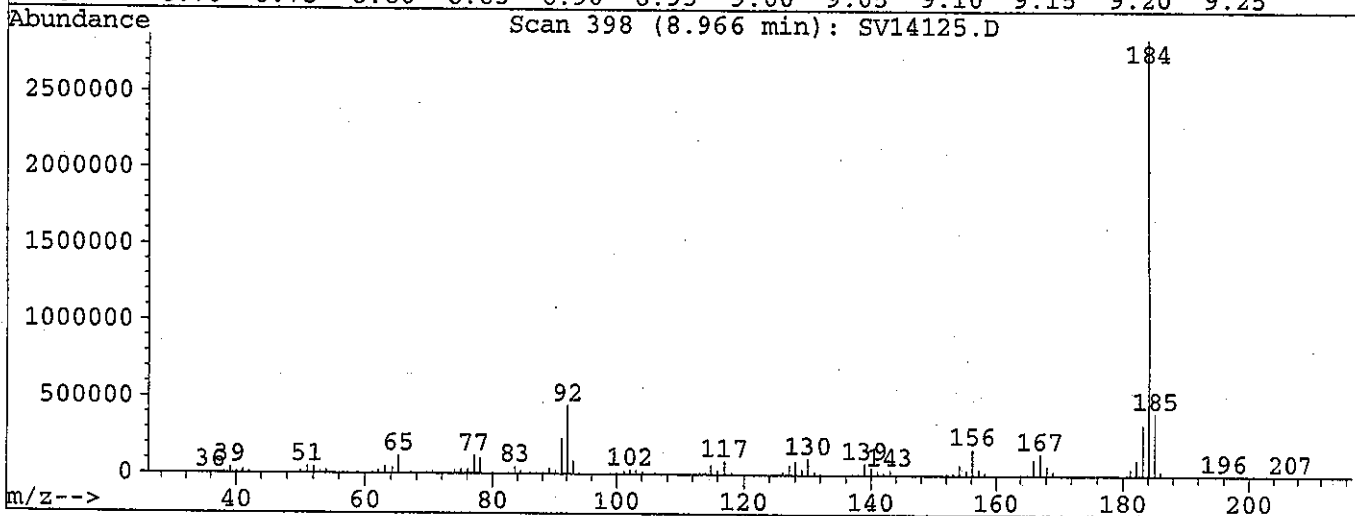
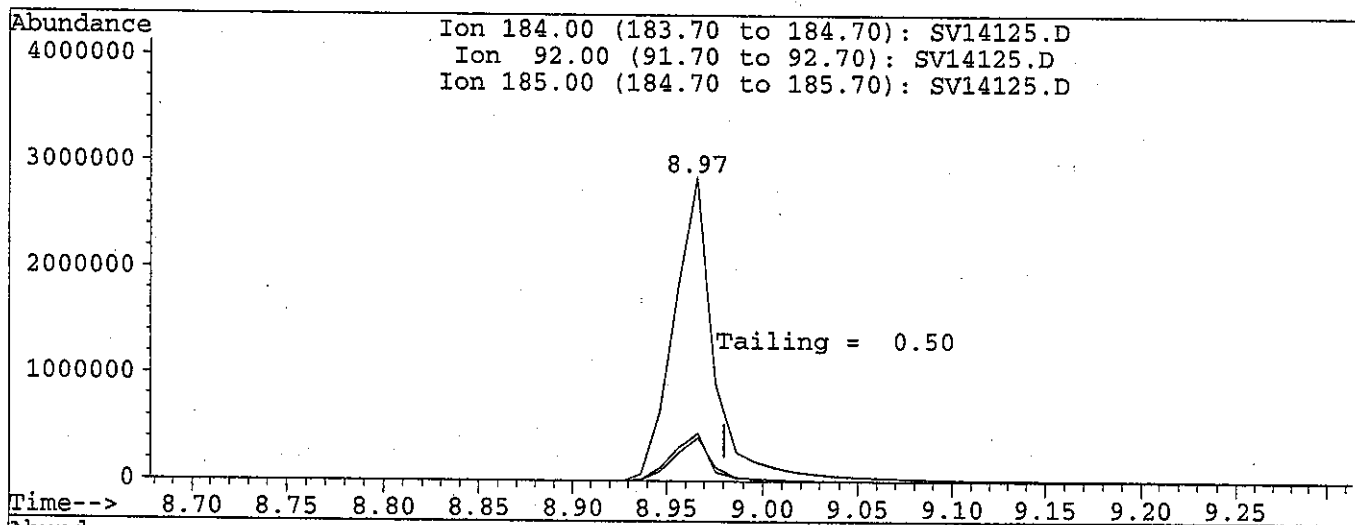
response 1218830

| Ion | Exp% | Act% |
|--------|-------|-------|
| 266.00 | 100 | 100 |
| 264.00 | 62.70 | 64.31 |
| 268.00 | 64.60 | 63.09 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\MD081506\SV14125.D Vial: 1
 Acq On : 15 Aug 106 7:55 am Operator: JLS
 Sample : BPH0157-TUN1 Inst : SVOA-MS1
 Misc : Multiplr: 1.00
 Quant Time: Aug 15 8:11 19106

Method : C:\HPCHEM\1\METHODS\DFTPP.M
 Title : daily instrument eval mix
 Last Update : Wed Jul 26 11:10:52 2006
 Response via : Single Level Calibration



TIC: SV14125.D

(3) Benzidine

8.97min 242.50 m

response 4332904

| Ion | Exp% | Act% |
|--------|-------|-------|
| 184.00 | 100 | 100 |
| 92.00 | 17.40 | 15.60 |
| 185.00 | 13.60 | 14.27 |
| 0.00 | 0.00 | 0.00 |

CONTINUING CALIBRATION CHECK

8270C

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Instrument ID: SVOA-MS1

Calibration: 0608031

Lab File ID: SV14126.D

Calibration Date: 08/09/06 00:00

Sequence: BPH0157

Injection Date: 08/15/06

Lab Sample ID: BPH0157-CCV1

Injection Time: 08:14

| COMPOUND | TYPE | CONC. (mg/L) | | RESPONSE FACTOR | | | % DIFF / DRIFT | |
|---------------------------|------|--------------|------|-----------------|----------|---------|----------------|-----------|
| | | STD | CCV | ICAL | CCV | MIN (#) | CCV | LIMIT (#) |
| 1,1-Biphenyl | A | 50.0 | 51.7 | 1.44403 | 1.49185 | | 3.31 | 30 |
| 1,1-Biphenyl | A | 50.0 | 51.7 | 1.44403 | 1.49185 | | 3.31 | 30 |
| 1,2,4-Trichlorobenzene | A | 50.0 | 48.5 | 0.297509 | 0.288689 | | -2.96 | 30 |
| 1,2,4-Trichlorobenzene | A | 50.0 | 48.5 | 0.297509 | 0.288689 | | -2.96 | 30 |
| 1,2-Dichlorobenzene | A | 50.0 | 51.7 | 1.41768 | 1.46576 | | 3.39 | 30 |
| 1,2-Dichlorobenzene | A | 50.0 | 51.7 | 1.41768 | 1.46576 | | 3.39 | 30 |
| 1,3-Dichlorobenzene | A | 50.0 | 50.1 | 1.51585 | 1.52022 | | 0.288 | 30 |
| 1,3-Dichlorobenzene | A | 50.0 | 50.1 | 1.51585 | 1.52022 | | 0.288 | 30 |
| 1,4-Dichlorobenzene | A | 50.0 | 51.9 | 1.55393 | 1.61306 | | 3.81 | 20 |
| 1,4-Dichlorobenzene | A | 50.0 | 51.9 | 1.55393 | 1.61306 | | 3.81 | 20 |
| 2,3,4,6-Tetrachlorophenol | A | 50.0 | 51.9 | 0.334626 | 0.345894 | | 3.37 | 30 |
| 2,3,4,6-Tetrachlorophenol | A | 50.0 | 51.9 | 0.334626 | 0.345894 | | 3.37 | 30 |
| 2,4,5-Trichlorophenol | A | 50.0 | 50.9 | 0.430038 | 0.437098 | | 1.64 | 30 |
| 2,4,5-Trichlorophenol | A | 50.0 | 50.9 | 0.430038 | 0.437098 | | 1.64 | 30 |
| 2,4,6-Trichlorophenol | A | 50.0 | 48.2 | 0.413741 | 0.401024 | | -3.07 | 20 |
| 2,4,6-Trichlorophenol | A | 50.0 | 48.2 | 0.413741 | 0.401024 | | -3.07 | 20 |
| 2,4-Dichlorophenol | A | 50.0 | 49.8 | 0.283261 | 0.28212 | | -0.403 | 20 |
| 2,4-Dichlorophenol | A | 50.0 | 49.8 | 0.283261 | 0.28212 | | -0.403 | 20 |
| 2,4-Dimethylphenol | A | 50.0 | 51.3 | 0.330267 | 0.339095 | | 2.67 | 30 |
| 2,4-Dimethylphenol | A | 50.0 | 51.3 | 0.330267 | 0.339095 | | 2.67 | 30 |
| 2,4-Dinitrophenol | L | 50.0 | 43.7 | 0.223771 | 0.219151 | 0.05 | -12.6 | 30 |
| 2,4-Dinitrophenol | L | 50.0 | 43.7 | 0.223771 | 0.219151 | 0.05 | -12.6 | 30 |
| 2,4-Dinitrotoluene | A | 50.0 | 51.3 | 0.439614 | 0.45117 | | 2.63 | 30 |
| 2,4-Dinitrotoluene | A | 50.0 | 51.3 | 0.439614 | 0.45117 | | 2.63 | 30 |
| 2,6-Dinitrotoluene | A | 50.0 | 51.3 | 0.439614 | 0.45117 | | 2.63 | 30 |
| 2,6-Dinitrotoluene | A | 50.0 | 51.3 | 0.439614 | 0.45117 | | 2.63 | 30 |
| 2-Chloronaphthalene | A | 50.0 | 40.1 | 1.33786 | 1.07283 | | -19.8 | 30 |
| 2-Chloronaphthalene | A | 50.0 | 40.1 | 1.33786 | 1.07283 | | -19.8 | 30 |
| 2-Chlorophenol | A | 50.0 | 50.6 | 1.54766 | 1.5656 | | 1.16 | 30 |

CONTINUING CALIBRATION CHECK

8270C

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Instrument ID: SVOA-MS1

Calibration: 0608031

Lab File ID: SV14126.D

Calibration Date: 08/09/06 00:00

Sequence: BPH0157

Injection Date: 08/15/06

Lab Sample ID: BPH0157-CCV1

Injection Time: 08:14

| COMPOUND | TYPE | CONC. (mg/L) | | RESPONSE FACTOR | | | % DIFF / DRIFT | |
|------------------------------|------|--------------|------|-----------------|----------|---------|----------------|-----------|
| | | STD | CCV | ICAL | CCV | MIN (#) | CCV | LIMIT (#) |
| 2-Chlorophenol | A | 50.0 | 50.6 | 1.54766 | 1.5656 | | 1.16 | 30 |
| 2-Methylnaphthalene | A | 50.0 | 51.1 | 0.620632 | 0.634149 | | 2.18 | 30 |
| 2-Methylnaphthalene | A | 50.0 | 51.1 | 0.620632 | 0.634149 | | 2.18 | 30 |
| 2-Methylphenol | A | 50.0 | 51.2 | 1.37713 | 1.41099 | | 2.46 | 30 |
| 2-Methylphenol | A | 50.0 | 51.2 | 1.37713 | 1.41099 | | 2.46 | 30 |
| 2-Nitroaniline | A | 50.0 | 47.6 | 0.406325 | 0.384623 | | -5.34 | 30 |
| 2-Nitroaniline | A | 50.0 | 47.6 | 0.406325 | 0.384623 | | -5.34 | 30 |
| 2-Nitrophenol | A | 50.0 | 49.3 | 0.239017 | 0.235706 | | -1.39 | 20 |
| 2-Nitrophenol | A | 50.0 | 49.3 | 0.239017 | 0.235706 | | -1.39 | 20 |
| 3,3'-Dichlorobenzidine | L | 50.0 | 50.8 | 0.424574 | 0.461679 | | 1.60 | 30 |
| 3,3'-Dichlorobenzidine | L | 50.0 | 50.8 | 0.424574 | 0.461679 | | 1.60 | 30 |
| 3-Nitroaniline | A | 50.0 | 52.6 | 0.453988 | 0.477688 | | 5.22 | 30 |
| 3-Nitroaniline | A | 50.0 | 52.6 | 0.453988 | 0.477688 | | 5.22 | 30 |
| 4-Bromophenyl-phenylether | A | 50.0 | 49.2 | 0.237174 | 0.233191 | | -1.68 | 30 |
| 4-Bromophenyl-phenylether | A | 50.0 | 49.2 | 0.237174 | 0.233191 | | -1.68 | 30 |
| 4-Chloro-3-Methylphenol | A | 50.0 | 53.3 | 0.286183 | 0.305268 | | 6.67 | 20 |
| 4-Chloro-3-Methylphenol | A | 50.0 | 53.3 | 0.286183 | 0.305268 | | 6.67 | 20 |
| 4-Chloroaniline | A | 50.0 | 51.8 | 0.470275 | 0.48672 | | 3.50 | 30 |
| 4-Chloroaniline | A | 50.0 | 51.8 | 0.470275 | 0.48672 | | 3.50 | 30 |
| 4-Chloro-phenyl-phenyl ether | A | 50.0 | 54.5 | 0.601626 | 0.656031 | | 9.04 | 30 |
| 4-Chloro-phenyl-phenyl ether | A | 50.0 | 54.5 | 0.601626 | 0.656031 | | 9.04 | 30 |
| 4-Nitroaniline | A | 50.0 | 48.0 | 0.299339 | 0.287323 | | -4.01 | 30 |
| 4-Nitroaniline | A | 50.0 | 48.0 | 0.299339 | 0.287323 | | -4.01 | 30 |
| 4-Nitrophenol | A | 50.0 | 50.8 | 0.259024 | 0.263221 | 0.05 | 1.62 | 30 |
| 4-Nitrophenol | A | 50.0 | 50.8 | 0.259024 | 0.263221 | 0.05 | 1.62 | 30 |
| Acenaphthene | A | 50.0 | 49.0 | 1.17733 | 1.1525 | | -2.11 | 20 |
| Acenaphthene | A | 50.0 | 49.0 | 1.17733 | 1.1525 | | -2.11 | 20 |
| Acenaphthylene | A | 50.0 | 51.3 | 1.93068 | 1.9797 | | 2.54 | 30 |
| Acenaphthylene | A | 50.0 | 51.3 | 1.93068 | 1.9797 | | 2.54 | 30 |

CONTINUING CALIBRATION CHECK

8270C

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Instrument ID: SVOA-MS1

Calibration: 0608031

Lab File ID: SV14126.D

Calibration Date: 08/09/06 00:00

Sequence: BPH0157

Injection Date: 08/15/06

Lab Sample ID: BPH0157-CCV1

Injection Time: 08:14

| COMPOUND | TYPE | CONC. (mg/L) | | RESPONSE FACTOR | | | % DIFF / DRIFT | |
|-----------------------------|------|--------------|------|-----------------|----------|---------|----------------|-----------|
| | | STD | CCV | ICAL | CCV | MIN (#) | CCV | LIMIT (#) |
| Acetophenone | A | 50.0 | 51.2 | 1.77012 | 1.81092 | | 2.30 | 30 |
| Acetophenone | A | 50.0 | 51.2 | 1.77012 | 1.81092 | | 2.30 | 30 |
| Aniline | A | 50.0 | 52.0 | 2.3703 | 2.46603 | | 4.04 | 30 |
| Aniline | A | 50.0 | 52.0 | 2.3703 | 2.46603 | | 4.04 | 30 |
| Anthracene | A | 50.0 | 50.0 | 1.18094 | 1.17918 | | -0.149 | 30 |
| Anthracene | A | 50.0 | 50.0 | 1.18094 | 1.17918 | | -0.149 | 30 |
| Azobenzene | A | 50.0 | 48.7 | 1.11093 | 1.08231 | | -2.58 | 30 |
| Azobenzene | A | 50.0 | 48.7 | 1.11093 | 1.08231 | | -2.58 | 30 |
| Benzo(a)anthracene | A | 50.0 | 47.9 | 1.2487 | 1.19674 | | -4.16 | 30 |
| Benzo(a)anthracene | A | 50.0 | 47.9 | 1.2487 | 1.19674 | | -4.16 | 30 |
| Benzo(a)pyrene | L | 50.0 | 49.2 | 1.11599 | 1.16934 | | -1.60 | 20 |
| Benzo(a)pyrene | L | 50.0 | 49.2 | 1.11599 | 1.16934 | | -1.60 | 20 |
| Benzo(b)fluoranthene | L | 50.0 | 47.9 | 1.5358 | 1.60805 | | -4.20 | 30 |
| Benzo(b)fluoranthene | L | 50.0 | 47.9 | 1.5358 | 1.60805 | | -4.20 | 30 |
| Benzo(g,h,i)perylene | L | 50.0 | 46.6 | 1.06099 | 1.08682 | | -6.80 | 30 |
| Benzo(g,h,i)perylene | L | 50.0 | 46.6 | 1.06099 | 1.08682 | | -6.80 | 30 |
| Benzo(k)fluoranthene | Q | 50.0 | 38.4 | 1.06862 | 0.876852 | | -23.2 | 30 |
| Benzo(k)fluoranthene | Q | 50.0 | 38.4 | 1.06862 | 0.876852 | | -23.2 | 30 |
| Benzoic Acid | L | 50.0 | 43.9 | 0.290511 | 0.253632 | | -12.2 | 30 |
| Benzoic Acid | L | 50.0 | 43.9 | 0.290511 | 0.253632 | | -12.2 | 30 |
| Benzyl Alcohol | A | 50.0 | 53.0 | 1.0949 | 1.16114 | | 6.05 | 30 |
| Benzyl Alcohol | A | 50.0 | 53.0 | 1.0949 | 1.16114 | | 6.05 | 30 |
| bis(2-Chloroethoxy)methane | A | 50.0 | 49.0 | 0.47445 | 0.464485 | | -2.10 | 30 |
| bis(2-Chloroethoxy)methane | A | 50.0 | 49.0 | 0.47445 | 0.464485 | | -2.10 | 30 |
| bis(2-Chloroethyl)ether | A | 50.0 | 49.9 | 1.55398 | 1.55176 | | -0.143 | 30 |
| bis(2-Chloroethyl)ether | A | 50.0 | 49.9 | 1.55398 | 1.55176 | | -0.143 | 30 |
| bis(2-chloroisopropyl)Ether | A | 50.0 | 52.3 | 2.26566 | 2.36995 | | 4.60 | 30 |
| bis(2-chloroisopropyl)Ether | A | 50.0 | 52.3 | 2.26566 | 2.36995 | | 4.60 | 30 |
| bis(2-Ethylhexyl)phthalate | L | 50.0 | 50.0 | 0.981117 | 1.03451 | | 0.00 | 30 |

CONTINUING CALIBRATION CHECK

8270C

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Instrument ID: SVOA-MS1

Calibration: 0608031

Lab File ID: SV14126.D

Calibration Date: 08/09/06 00:00

Sequence: BPH0157

Injection Date: 08/15/06

Lab Sample ID: BPH0157-CCV1

Injection Time: 08:14

| COMPOUND | TYPE | CONC. (mg/L) | | RESPONSE FACTOR | | | % DIFF / DRIFT | |
|----------------------------|------|--------------|------|-----------------|----------|---------|----------------|-----------|
| | | STD | CCV | ICAL | CCV | MIN (#) | CCV | LIMIT (#) |
| bis(2-Ethylhexyl)phthalate | L | 50.0 | 50.0 | 0.981117 | 1.03451 | | 0.00 | 30 |
| Butylbenzylphthalate | A | 50.0 | 48.3 | 0.77349 | 0.747737 | | -3.33 | 30 |
| Butylbenzylphthalate | A | 50.0 | 48.3 | 0.77349 | 0.747737 | | -3.33 | 30 |
| Carbazole | A | 50.0 | 50.9 | 1.15136 | 1.1731 | | 1.89 | 30 |
| Carbazole | A | 50.0 | 50.9 | 1.15136 | 1.1731 | | 1.89 | 30 |
| Chrysene | A | 50.0 | 46.9 | 1.11932 | 1.04966 | | -6.22 | 30 |
| Chrysene | A | 50.0 | 46.9 | 1.11932 | 1.04966 | | -6.22 | 30 |
| Dibenzo(a,h)Anthracene | L | 50.0 | 48.3 | 0.993818 | 1.11188 | | -3.40 | 30 |
| Dibenzo(a,h)Anthracene | L | 50.0 | 48.3 | 0.993818 | 1.11188 | | -3.40 | 30 |
| Dibenzofuran | A | 50.0 | 50.7 | 1.66908 | 1.69195 | | 1.37 | 30 |
| Dibenzofuran | A | 50.0 | 50.7 | 1.66908 | 1.69195 | | 1.37 | 30 |
| Diethylphthalate | A | 50.0 | 51.3 | 1.36381 | 1.398 | | 2.51 | 30 |
| Diethylphthalate | A | 50.0 | 51.3 | 1.36381 | 1.398 | | 2.51 | 30 |
| Dimethylphthalate | A | 50.0 | 49.4 | 1.36908 | 1.35314 | | -1.16 | 30 |
| Dimethylphthalate | A | 50.0 | 49.4 | 1.36908 | 1.35314 | | -1.16 | 30 |
| Di-n-butylphthalate | A | 50.0 | 50.2 | 1.60155 | 1.60853 | | 0.436 | 30 |
| Di-n-butylphthalate | A | 50.0 | 50.2 | 1.60155 | 1.60853 | | 0.436 | 30 |
| Di-n-octylphthalate | L | 50.0 | 51.6 | 1.72457 | 1.99789 | | 3.20 | 20 |
| Di-n-octylphthalate | L | 50.0 | 51.6 | 1.72457 | 1.99789 | | 3.20 | 20 |
| Fluoranthene | A | 50.0 | 51.1 | 1.16963 | 1.19593 | | 2.25 | 20 |
| Fluoranthene | A | 50.0 | 51.1 | 1.16963 | 1.19593 | | 2.25 | 20 |
| Fluorene | A | 50.0 | 52.0 | 1.3011 | 1.35338 | | 4.02 | 30 |
| Fluorene | A | 50.0 | 52.0 | 1.3011 | 1.35338 | | 4.02 | 30 |
| Hexachlorobenzene | A | 50.0 | 48.4 | 0.270721 | 0.262082 | | -3.19 | 30 |
| Hexachlorobenzene | A | 50.0 | 48.4 | 0.270721 | 0.262082 | | -3.19 | 30 |
| Hexachlorobutadiene | A | 50.0 | 50.9 | 0.136409 | 0.13893 | | 1.85 | 20 |
| Hexachlorobutadiene | A | 50.0 | 50.9 | 0.136409 | 0.13893 | | 1.85 | 20 |
| Hexachlorocyclopentadiene | A | 50.0 | 44.6 | 0.347435 | 0.309849 | 0.05 | -10.8 | 30 |
| Hexachlorocyclopentadiene | A | 50.0 | 44.6 | 0.347435 | 0.309849 | 0.05 | -10.8 | 30 |

CONTINUING CALIBRATION CHECK

8270C

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Instrument ID: SVOA-MS1

Calibration: 0608031

Lab File ID: SV14126.D

Calibration Date: 08/09/06 00:00

Sequence: BPH0157

Injection Date: 08/15/06

Lab Sample ID: BPH0157-CCV1

Injection Time: 08:14

| COMPOUND | TYPE | CONC. (mg/L) | | RESPONSE FACTOR | | | % DIFF / DRIFT | |
|----------------------------|------|--------------|------|-----------------|----------|---------|----------------|-----------|
| | | STD | CCV | ICAL | CCV | MIN (#) | CCV | LIMIT (#) |
| Hexachloroethane | A | 50.0 | 51.0 | 0.626381 | 0.63885 | | 1.99 | 30 |
| Hexachloroethane | A | 50.0 | 51.0 | 0.626381 | 0.63885 | | 1.99 | 30 |
| Indeno(1,2,3-cd)Pyrene | L | 50.0 | 46.9 | 1.23478 | 1.32794 | | -6.20 | 30 |
| Indeno(1,2,3-cd)Pyrene | L | 50.0 | 46.9 | 1.23478 | 1.32794 | | -6.20 | 30 |
| Isophorone | A | 50.0 | 48.7 | 0.720708 | 0.701772 | | -2.63 | 30 |
| Isophorone | A | 50.0 | 48.7 | 0.720708 | 0.701772 | | -2.63 | 30 |
| Naphthalene | A | 50.0 | 48.2 | 1.02386 | 0.986377 | | -3.66 | 30 |
| Naphthalene | A | 50.0 | 48.2 | 1.02386 | 0.986377 | | -3.66 | 30 |
| Nitrobenzene | A | 50.0 | 50.0 | 0.379494 | 0.379798 | | 0.0801 | 30 |
| Nitrobenzene | A | 50.0 | 50.0 | 0.379494 | 0.379798 | | 0.0801 | 30 |
| N-Nitrosodimethylamine | A | 50.0 | 51.3 | 0.103587 | 0.106328 | | 2.65 | 30 |
| N-Nitrosodimethylamine | A | 50.0 | 51.3 | 0.103587 | 0.106328 | | 2.65 | 30 |
| N-Nitroso-Di-n-Propylamine | A | 50.0 | 53.0 | 1.05278 | 1.11626 | 0.05 | 6.03 | 30 |
| N-Nitroso-Di-n-Propylamine | A | 50.0 | 53.0 | 1.05278 | 1.11626 | 0.05 | 6.03 | 30 |
| N-nitrosodiphenylamine | A | 50.0 | 50.1 | 0.734138 | 0.735834 | | 0.231 | 20 |
| N-nitrosodiphenylamine | A | 50.0 | 50.1 | 0.734138 | 0.735834 | | 0.231 | 20 |
| Pentachlorophenol | L | 50.0 | 40.3 | 0.151234 | 0.132724 | | -19.4 | 20 |
| Pentachlorophenol | L | 50.0 | 40.3 | 0.151234 | 0.132724 | | -19.4 | 20 |
| Phenanthrene | A | 50.0 | 48.4 | 1.18818 | 1.14934 | | -3.27 | 30 |
| Phenanthrene | A | 50.0 | 48.4 | 1.18818 | 1.14934 | | -3.27 | 30 |
| Phenol | A | 50.0 | 50.2 | 2.2739 | 2.28494 | | 0.486 | 20 |
| Phenol | A | 50.0 | 50.2 | 2.2739 | 2.28494 | | 0.486 | 20 |
| Pyrene | A | 50.0 | 48.3 | 1.30602 | 1.24121 | | -4.96 | 30 |
| Pyrene | A | 50.0 | 48.3 | 1.30602 | 1.24121 | | -4.96 | 30 |
| Pyridine | A | 50.0 | 52.0 | 0.180588 | 0.18762 | | 3.89 | 30 |
| Pyridine | A | 50.0 | 52.0 | 0.180588 | 0.18762 | | 3.89 | 30 |

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\MD081506\SV14126.D Vial: 2
 Acq On : 15 Aug 106 8:14 am Operator: JLS
 Sample : BPH0157-CCV1 Inst : SVOA-MS1
 Misc : Multiplr: 1.00
 Quant Time: Sep 7 18:01 19106

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
 Title : ELEMENT ID: 0608031(SOIL) 0608030(AQUEOUS)
 Last Update : Fri Aug 18 13:11:07 2006
 Response via : Multiple Level Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|---------------------------|-------|------|----------|-------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4 | 4.33 | 152 | 947502 | 40.00 | ng/uL | -0.02 |
| 22) Naphthalene-d8 | 5.77 | 136 | 3696756 | 40.00 | ng/uL | -0.02 |
| 38) Acenaphthene-d10 | 8.34 | 164 | 1745422 | 40.00 | ng/uL | -0.03 |
| 59) Phenanthrene-d10 | 10.99 | 188 | 2733158 | 40.00 | ng/uL | -0.02 |
| 74) Chrysene-d12 | 16.22 | 240 | 2685192 | 40.00 | ng/uL | -0.02 |
| 82) Perylene-d12 | 18.87 | 264 | 2488306 | 40.00 | ng/uL | -0.01 |

| System Monitoring Compounds | R.T. | QIon | Response | Conc | Units | %Recovery |
|----------------------------------|-------|------|----------|-------|-------|-----------|
| 4) 2-Fluorophenol (SURR) | 2.80 | 112 | 1846693 | 51.91 | ng/uL | 34.61% |
| 6) Phenol-d5 (SURR) | 4.01 | 99 | 2366551 | 52.25 | ng/uL | 34.84% |
| 10) 2-Chlorophenol-d4 (SURR) | 4.12 | 132 | 1785228 | 50.94 | ng/uL | 33.96% |
| 13) 1,2 Dichlorobenzene-d4 (SUR) | 4.53 | 152 | 1105625 | 53.63 | ng/uL | 53.63% |
| 23) Nitrobenzene-d5 (SURR) | 4.96 | 82 | 1696923 | 50.12 | ng/uL | 50.12% |
| 42) 2-Fluorobiphenyl (SURR) | 7.26 | 172 | 2900838 | 50.60 | ng/uL | 50.60% |
| 64) 2,4,6-Tribromophenol (SURR) | 9.75 | 330 | 481788 | 45.78 | ng/uL | 30.52% |
| 76) Terphenyl-d14 (SURR) | 14.17 | 244 | 2762431 | 48.34 | ng/uL | 48.34% |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|---------------------------------|------|------|----------|-------|-------|--------|
| 2) N-Nitrosodimethylamine | 1.04 | 74 | 125932 | 51.32 | ng/uL | 97 |
| 3) Pyridine | 1.04 | 79 | 222213 | 51.95 | ng/uL | 98 |
| 5) bis(2-Chloroethyl) ether | 4.09 | 93 | 1837871 | 49.93 | ng/uL | 87 |
| 7) 2-Chlorophenol | 4.14 | 128 | 1854264 | 50.58 | ng/uL | 96 |
| 8) Phenol | 4.03 | 94 | 2706236 | 50.24 | ng/uL | 86 |
| 9) Aniline | 4.03 | 93 | 2920715 | 52.02 | ng/uL | 71 |
| 11) 1,3-Dichlorobenzene | 4.29 | 146 | 1800516 | 50.14 | ng/uL | 100 |
| 12) 1,4-Dichlorobenzene | 4.34 | 146 | 1910477 | 51.90 | ng/uL | 99 |
| 14) 1,2-Dichlorobenzene | 4.54 | 146 | 1736010 | 51.70 | ng/uL | 100 |
| 15) Benzyl Alcohol | 4.51 | 79 | 1375225 | 53.02 | ng/uL | 92 |
| 16) bis(2-chloroisopropyl) Ethe | 4.67 | 45 | 2806913 | 52.30 | ng/uL | 95 |
| 17) 2-Methylphenol | 4.65 | 108 | 1671149 | 51.23 | ng/uL | 99 |
| 18) Acetophenone | 4.79 | 105 | 2144814 | 51.15 | ng/uL | 97 |
| 19) N-Nitroso-Di-n-Propylamine | 4.83 | 70 | 1322068 | 53.01 | ng/uL | 95 |
| 20) Hexachloroethane | 4.87 | 117 | 756639 | 51.00 | ng/uL | 82 |
| 21) 3+4-Methylphenol | 4.82 | 108 | 1793832 | 51.50 | ng/uL | 98 |
| 24) Nitrobenzene | 4.98 | 77 | 1755025 | 50.04 | ng/uL | 97 |
| 25) Isophorone | 5.24 | 82 | 3242849 | 48.69 | ng/uL | 97 |
| 26) 2-Nitrophenol | 5.34 | 139 | 1089184 | 49.31 | ng/uL | 88 |
| 27) Benzoic Acid | 5.62 | 105 | 1172021 | 43.86 | ng/uL | 92 |
| 28) 2,4-Dimethylphenol | 5.39 | 107 | 1566941 | 51.34 | ng/uL | 93 |
| 29) bis(2-Chloroethoxy)methane | 5.50 | 93 | 2146358 | 48.95 | ng/uL | 93 |
| 30) 2,4-Dichlorophenol | 5.62 | 162 | 1303662 | 49.80 | ng/uL | 95 |
| 31) 1,2,4-Trichlorobenzene | 5.72 | 180 | 1334016 | 48.52 | ng/uL | 97 |
| 32) Naphthalene | 5.79 | 128 | 4557996 | 48.17 | ng/uL | 99 |
| 33) 4-Chloroaniline | 5.89 | 127 | 2249107 | 51.75 | ng/uL | 99 |
| 34) Hexachlorobutadiene | 6.02 | 225 | 641989 | 50.92 | ng/uL | 100 |
| 35) 4-Chloro-3-Methylphenol | 6.53 | 107 | 1410627 | 53.33 | ng/uL | 94 |
| 36) 2-Methylnaphthalene | 6.70 | 142 | 2930367 | 51.09 | ng/uL | 100 |
| 37) 1-Methylnaphthalene | 6.85 | 142 | 2947392 | 51.95 | ng/uL | 100 |
| 39) Hexachlorocyclopentadiene | 7.02 | 237 | 676021 | 44.59 | ng/uL | 99 |
| 40) 2,4,6-Trichlorophenol | 7.15 | 196 | 874946 | 48.17 | ng/uL | 99 |
| 41) 2,4,5-Trichlorophenol | 7.22 | 196 | 953651 | 50.88 | ng/uL | 100 |
| 43) Biphenyl | 7.40 | 154 | 3254875 | 51.66 | ng/uL | 97 |
| 44) 2-Chloronaphthalene | 7.46 | 162 | 2340680 | 40.10 | ng/uL | 99 |
| 45) Dimethylphthalate | 8.00 | 163 | 2952257 | 49.36 | ng/uL | 98 |
| 46) Acenaphthylene | 8.08 | 152 | 4319263 | 51.27 | ng/uL | 99 |
| 47) 2,6-Dinitrotoluene | 8.76 | 165 | 984352 | 51.31 | ng/uL | 74 |
| 48) 2-Nitroaniline | 7.63 | 65 | 839162 | 47.57 | ng/uL | 92 |

(#) = qualifier out of range (m) = manual integration
 SV14126.D SV1NJ.M Thu Sep 07 18:02:43 2006

Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\MD081506\SV14126.D Vial: 2
 Acq On : 15 Aug 106 8:14 am Operator: JLS
 Sample : BPH0157-CCV1 Inst : SVOA-MS1
 Misc : Multiplr: 1.00
 Quant Time: Sep 7 18:01 19106

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
 Title : ELEMENT ID: 0608031(SOIL) 0608030(AQUEOUS)
 Last Update : Fri Aug 18 13:11:07 2006
 Response via : Multiple Level Calibration

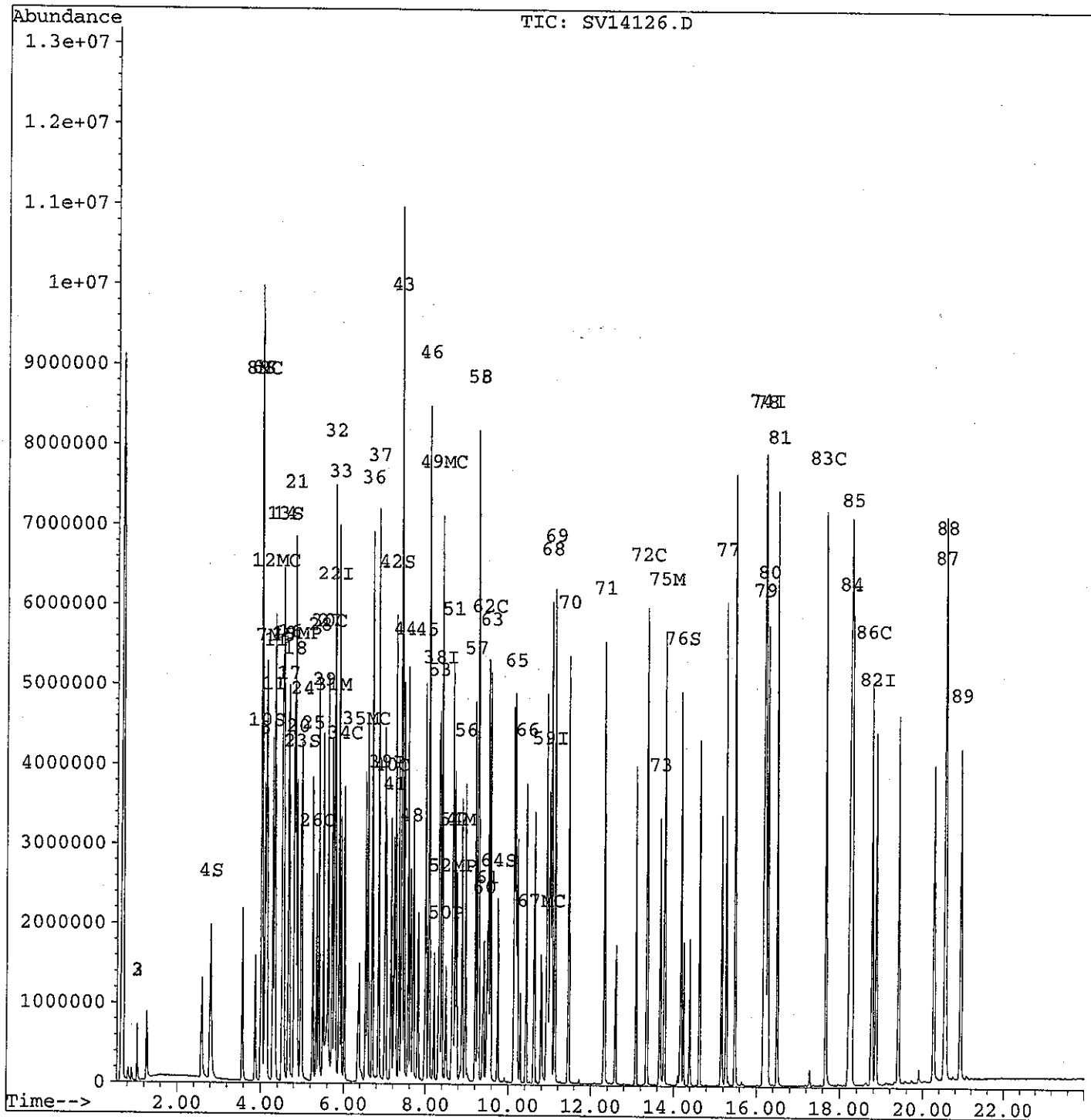
| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|-------|--------|--------|
| 49) Acenaphthene | 8.39 | 153 | 2514506 | 48.95 | ng/uL | 99 |
| 50) 2,4-Dinitrophenol | 8.49 | 184 | 478138 | 43.72 | ng/uL | 89 |
| 51) Dibenzofuran | 8.67 | 168 | 3691462 | 50.69 | ng/uL | 97 |
| 52) 4-Nitrophenol | 8.64 | 65 | 574289 | 50.81 | ng/uL | 84 |
| 53) 3-Nitroaniline | 8.32 | 65 | 1042210 | 52.61 | ng/uL | 89 |
| 54) 2,4-Dinitrotoluene | 8.76 | 165 | 984352 | 51.31 | ng/uL | 83 |
| 55) Fluorene | 9.27 | 166 | 2952775 | 52.01 | ng/uL | 100 |
| 56) 2,3,4,6-Tetrachlorophenol | 8.97 | 232 | 754664 | 51.90 | ng/uL | 97 |
| 57) Diethylphthalate | 9.21 | 149 | 3050130 | 51.30 | ng/uL | 97 |
| 58) 4-Chloro-phenyl-phenyl eth | 9.28 | 204 | 1431314 | 54.52 | ng/uL | 94 |
| 60) 4-Nitroaniline | 9.41 | 138 | 981624 | 47.99 | ng/uL | 95 |
| 61) 4,6-Dinitro-2-Methylphenol | 9.48 | 198 | 655725 | 43.30 | ng/uL | 93 |
| 62) N-nitrosodiphenylamine | 9.53 | 169 | 2513937 | 50.12 | ng/uL | 99 |
| 63) Azobenzene | 9.57 | 77 | 3697662 | 48.71 | ng/uL | 94 |
| 65) 4-Bromophenyl-phenylether | 10.17 | 248 | 796685 | 49.16 | ng/uL# | 77 |
| 66) Hexachlorobenzene | 10.44 | 284 | 895391 | 48.40 | ng/uL | 91 |
| 67) Pentachlorophenol | 10.78 | 266 | 453444 | 40.28 | ng/uLm | 100 |
| 68) Phenanthrene | 11.05 | 178 | 3926649 | 48.37 | ng/uL | 99 |
| 69) Anthracene | 11.13 | 178 | 4028601 | 49.96 | ng/uL | 99 |
| 70) Carbazole | 11.46 | 167 | 4007831 | 50.94 | ng/uL | 99 |
| 71) Di-n-butylphthalate | 12.32 | 149 | 5495442 | 50.22 | ng/uL | 99 |
| 72) Fluoranthene | 13.35 | 202 | 4085848 | 51.12 | ng/uL | 95 |
| 73) Benzidine | 13.67 | 184 | 2270517 | 53.68 | ng/uL | 99 |
| 75) Pyrene | 13.78 | 202 | 4166103 | 48.32 | ng/uLm | 90 |
| 77) Butylbenzylphthalate | 15.27 | 149 | 2509773 | 48.34 | ng/uL | 97 |
| 78) 3,3'-Dichlorobenzidine | 16.21 | 252 | 1549620 | 50.75 | ng/uL | 98 |
| 79) Benzo (a) anthracene | 16.19 | 228 | 4016859 | 47.92 | ng/uL | 99 |
| 80) Chrysene | 16.28 | 228 | 3523159 | 46.89 | ng/uL | 98 |
| 81) bis(2-Ethylhexyl)phthalate | 16.50 | 149 | 3472339 | 49.96 | ng/uL | 96 |
| 83) Di-n-octylphthalate | 17.67 | 149 | 6214202 | 51.61 | ng/uL | 99 |
| 84) Benzo (b) fluoranthene | 18.24 | 252 | 5001638 | 47.94 | ng/uL | 99 |
| 85) Benzo (k) fluoranthene | 18.28 | 252 | 2727344 | 38.41 | ng/uL | 93 |
| 86) Benzo (a) pyrene | 18.77 | 252 | 3637102 | 49.20 | ng/uL | 99 |
| 87) Indeno (1,2,3-Cd) Pyrene | 20.56 | 276 | 4130402 | 46.90 | ng/uL | 99 |
| 88) Dibenzo (a, h) Anthracene | 20.58 | 278 | 3458369 | 48.32 | ng/uL | 88 |
| 89) Benzo (g, h, i) perylene | 20.94 | 276 | 3380432 | 46.62 | ng/uL | 97 |

(#) = qualifier out of range (m) = manual integration
 SV14126.D SV1NJ.M Thu Sep 07 18:02:45 2006

Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\MD081506\SV14126.D Vial: 2
Acq On : 15 Aug 106 8:14 am Operator: JLS
Sample : BPH0157-CCV1 Inst : SVOA-MS1
Misc : Multiplr: 1.00
Quant Time: Sep 7 18:01 19106

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
Title : ELEMENT ID: 0608031(SOIL) 0608030(AQUEOUS)
Last Update : Fri Aug 18 13:11:07 2006
Response via : Multiple Level Calibration



Evaluate Continuing Calibration Report

Data File : Q:\SVOA\MS1_MD\MD0806\MD081506\SV14126.D Vial: 2
 Acq On : 15 Aug 106 8:14 am Operator: JLS
 Sample : BPH0157-CCV1 Inst : SVOA-MS1
 Misc : Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
 Title : ELEMENT ID: 0608031(SOIL) 0608030(AQUEOUS)
 Last Update : Fri Aug 18 13:11:07 2006
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev (min) |
|-------|-------------------------------|-------|-------|------|-------|-----------|
| 1 I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 249# | 0.03 |
| 2 | N-Nitrosodimethylamine | 0.104 | 0.106 | -2.6 | 241# | 0.02 |
| 3 | Pyridine | 0.181 | 0.188 | -3.9 | 238# | 0.02 |
| 4 S | 2-Fluorophenol (SURR) | 1.502 | 1.559 | -3.8 | 254# | 0.04 |
| 5 | bis(2-Chloroethyl)ether | 1.554 | 1.552 | 0.1 | 239# | 0.03 |
| 6 S | Phenol-d5 (SURR) | 1.912 | 1.998 | -4.5 | 250# | 0.02 |
| 7 M | 2-Chlorophenol | 1.548 | 1.566 | -1.2 | 244# | 0.03 |
| 8 MC | Phenol | 2.274 | 2.285 | -0.5 | 239# | 0.03 |
| 9 | Aniline | 2.370 | 2.466 | -4.0 | 250# | 0.03 |
| 10 S | 2-Chlorophenol-d4 (SURR) | 1.479 | 1.507 | -1.9 | 245# | 0.03 |
| 11 | 1,3-Dichlorobenzene | 1.516 | 1.520 | -0.3 | 242# | 0.03 |
| 12 MC | 1,4-Dichlorobenzene | 1.554 | 1.613 | -3.8 | 256# | 0.02 |
| 13 S | 1,2 Dichlorobenzene-d4 (SURR) | 0.870 | 0.934 | -7.3 | 251# | 0.03 |
| 14 | 1,2-Dichlorobenzene | 1.418 | 1.466 | -3.4 | 248# | 0.03 |
| 15 | Benzyl Alcohol | 1.095 | 1.161 | -6.0 | 254# | 0.03 |
| 16 | bis(2-chloroisopropyl)Ether | 2.266 | 2.370 | -4.6 | 251# | 0.03 |
| 17 | 2-Methylphenol | 1.377 | 1.411 | -2.5 | 249# | 0.03 |
| 18 | Acetophenone | 1.770 | 1.811 | -2.3 | 247# | 0.02 |
| 19 MP | N-Nitroso-Di-n-Propylamine | 1.053 | 1.116 | -6.0 | 251# | 0.02 |
| 20 | Hexachloroethane | 0.626 | 0.639 | -2.0 | 248# | 0.03 |
| 21 | 3+4-Methylphenol | 1.471 | 1.515 | -3.0 | 245# | 0.03 |
| 22 I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 259# | 0.04 |
| 23 S | Nitrobenzene-d5 (SURR) | 0.366 | 0.367 | -0.2 | 251# | 0.03 |
| 24 | Nitrobenzene | 0.379 | 0.380 | -0.1 | 253# | 0.04 |
| 25 | Isophorone | 0.721 | 0.702 | 2.6 | 247# | 0.03 |
| 26 C | 2-Nitrophenol | 0.239 | 0.236 | 1.4 | 251# | 0.04 |
| 27 | Benzoic Acid | 0.291 | 0.254 | 12.7 | 222# | 0.03 |
| 28 | 2,4-Dimethylphenol | 0.330 | 0.339 | -2.7 | 257# | 0.03 |
| 29 | bis(2-Chloroethoxy)methane | 0.474 | 0.464 | 2.1 | 251# | 0.03 |
| 30 C | 2,4-Dichlorophenol | 0.283 | 0.282 | 0.4 | 253# | 0.03 |
| 31 M | 1,2,4-Trichlorobenzene | 0.298 | 0.289 | 3.0 | 248# | 0.04 |
| 32 | Naphthalene | 1.024 | 0.986 | 3.7 | 243# | 0.03 |
| 33 | 4-Chloroaniline | 0.470 | 0.487 | -3.5 | 251# | 0.04 |
| 34 C | Hexachlorobutadiene | 0.136 | 0.139 | -1.8 | 246# | 0.04 |
| 35 MC | 4-Chloro-3-Methylphenol | 0.286 | 0.305 | -6.7 | 264# | 0.04 |
| 36 | 2-Methylnaphthalene | 0.621 | 0.634 | -2.2 | 254# | 0.03 |
| 37 | 1-Methylnaphthalene | 0.614 | 0.638 | -3.9 | 254# | 0.04 |
| 38 I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 275# | 0.04 |
| 39 P | Hexachlorocyclopentadiene | 0.347 | 0.310 | 10.8 | 220# | 0.03 |
| 40 C | 2,4,6-Trichlorophenol | 0.414 | 0.401 | 3.1 | 254# | 0.04 |
| 41 | 2,4,5-Trichlorophenol | 0.430 | 0.437 | -1.6 | 253# | 0.04 |
| 42 S | 2-Fluorobiphenyl (SURR) | 1.314 | 1.330 | -1.2 | 255# | 0.03 |
| 43 | Biphenyl | 1.444 | 1.492 | -3.3 | 245# | 0.03 |
| 44 | 2-Chloronaphthalene | 1.338 | 1.073 | 19.8 | 200# | 0.08 |
| 45 | Dimethylphthalate | 1.369 | 1.353 | 1.2 | 256# | 0.04 |
| 46 | Acenaphthylene | 1.931 | 1.980 | -2.5 | 254# | 0.03 |
| 47 | 2,6-Dinitrotoluene | 0.440 | 0.451 | -2.6 | 264# | 0.05 |
| 48 | 2-Nitroaniline | 0.406 | 0.385 | 5.3 | 262# | 0.05 |
| 49 MC | Acenaphthene | 1.177 | 1.153 | 2.1 | 245# | 0.04 |
| 50 P | 2,4-Dinitrophenol | 0.224 | 0.219 | 2.1 | 232# | 0.04 |
| 51 | Dibenzofuran | 1.669 | 1.692 | -1.4 | 260# | 0.05 |
| 52 MP | 4-Nitrophenol | 0.259 | 0.263 | -1.6 | 257# | 0.05 |
| 53 | 3-Nitroaniline | 0.454 | 0.478 | -5.2 | 269# | 0.05 |

(#) = Out of Range
 SV14126.D SV1NJ.M

Thu Sep 07 18:08:57 2006

Evaluate Continuing Calibration Report

Data File : Q:\SVOA\MS1_MD\MD0806\MD081506\SV14126.D Vial: 2
 Acq On : 15 Aug 106 8:14 am Operator: JLS
 Sample : BPH0157-CCV1 Inst : SVOA-MS1
 Misc : Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
 Title : ELEMENT ID: 0608031(SOIL) 0608030(AQUEOUS)
 Last Update : Fri Aug 18 13:11:07 2006
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|-------|-----------------------------|-------|-------|-------|-------|----------|
| 54 M | 2,4-Dinitrotoluene | 0.440 | 0.451 | -2.6 | 264# | 0.05 |
| 55 | Fluorene | 1.301 | 1.353 | -4.0 | 256# | 0.04 |
| 56 | 2,3,4,6-Tetrachlorophenol | 0.335 | 0.346 | -3.4 | 261# | 0.05 |
| 57 | Diethylphthalate | 1.364 | 1.398 | -2.5 | 261# | 0.04 |
| 58 | 4-Chloro-phenyl-phenyl ethe | 0.602 | 0.656 | -9.0 | 264# | 0.03 |
| 59 I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 280# | 0.05 |
| 60 | 4-Nitroaniline | 0.299 | 0.287 | 4.0 | 257# | 0.06 |
| 61 | 4,6-Dinitro-2-Methylphenol | 0.206 | 0.192 | 6.8 | 244# | 0.05 |
| 62 C | N-nitrosodiphenylamine | 0.734 | 0.736 | -0.2 | 265# | 0.05 |
| 63 | Azobenzene | 1.111 | 1.082 | 2.6 | 256# | 0.05 |
| 64 S | 2,4,6-Tribromophenol (SURR) | 0.144 | 0.141 | 2.4 | 257# | 0.05 |
| 65 | 4-Bromophenyl-phenylether | 0.237 | 0.233 | 1.7 | 261# | 0.04 |
| 66 | Hexachlorobenzene | 0.271 | 0.262 | 3.2 | 261# | 0.05 |
| 67 MC | Pentachlorophenol | 0.151 | 0.133 | 12.2 | 219# | 0.05 |
| 68 | Phenanthrene | 1.188 | 1.149 | 3.3 | 258# | 0.05 |
| 69 | Anthracene | 1.181 | 1.179 | 0.1 | 256# | 0.05 |
| 70 | Carbazole | 1.151 | 1.173 | -1.9 | 265# | 0.05 |
| 71 | Di-n-butylphthalate | 1.602 | 1.609 | -0.4 | 262# | 0.04 |
| 72 C | Fluoranthene | 1.170 | 1.196 | -2.2 | 269# | 0.06 |
| 73 | Benzidine | 0.523 | 0.665 | -27.0 | 292# | 0.05 |
| 74 I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 292# | 0.05 |
| 75 M | Pyrene | 1.306 | 1.241 | 5.0 | 275# | 0.05 |
| 76 S | Terphenyl-d14 (SURR) | 0.851 | 0.823 | 3.3 | 266# | 0.05 |
| 77 | Butylbenzylphthalate | 0.773 | 0.748 | 3.3 | 269# | 0.04 |
| 78 | 3,3'-Dichlorobenzidine | 0.425 | 0.462 | -8.7 | 279# | 0.05 |
| 79 | Benzo(a)anthracene | 1.249 | 1.197 | 4.2 | 267# | 0.06 |
| 80 | Chrysene | 1.119 | 1.050 | 6.2 | 261# | 0.07 |
| 81 | bis(2-Ethylhexyl)phthalate | 0.981 | 1.035 | -5.4 | 282# | 0.05 |
| 82 I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 291# | 0.07 |
| 83 C | Di-n-octylphthalate | 1.725 | 1.998 | -15.8 | 303# | 0.06 |
| 84 | Benzo(b)fluoranthene | 1.475 | 1.608 | -9.0 | 294# | 0.07 |
| 85 | Benzo(k)fluoranthene | 1.069 | 0.877 | 17.9 | 222# | 0.06 |
| 86 C | Benzo(a)pyrene | 1.116 | 1.169 | -4.8 | 282# | 0.06 |
| 87 | Indeno(1,2,3-Cd)Pyrene | 1.235 | 1.328 | -7.5 | 265# | 0.08 |
| 88 | Dibenzo(a,h)Anthracene | 0.994 | 1.112 | -11.9 | 273# | 0.07 |
| 89 | Benzo(g,h,i)perylene | 1.061 | 1.087 | -2.4 | 267# | 0.08 |

SURROGATE STANDARD RECOVERY AND RT SUMMARY

8270C

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Sequence: BPH0157

Instrument: SVOA-MS1

Matrix: Solid

Calibration: 0608031

| Surrogate Compound | Spike Level mg/L | % Recovery | Recovery Limits | RT | Calibration Mean RT | RT Diff | RT Diff Limit | Q |
|---|------------------|------------|-----------------|--------------------------|---------------------|---------|---------------|---|
| Calibration Check (BPH0157-CCV1) | | | | | | | | |
| Lab File ID: SV14126.D | | | | Analyzed: 08/15/06 08:14 | | | | |
| 1,2-Dichlorobenzene-d4 | 50.0 | 107 | 70 - 130 | 4.53 | 4.57 | -0.0400 | +/-1.0 | |
| 2,4,6-Tribromophenol | 50.0 | 92 | 70 - 130 | 9.75 | 9.8025 | -0.0525 | +/-1.0 | |
| 2-Chlorophenol-d4 | 50.0 | 102 | 70 - 130 | 4.12 | 4.16875 | -0.0488 | +/-1.0 | |
| 2-Fluorobiphenyl | 50.0 | 101 | 70 - 130 | 7.26 | 7.32125 | -0.0613 | +/-1.0 | |
| 2-Fluorophenol | 50.0 | 104 | 70 - 130 | 2.8 | 2.84375 | -0.0438 | +/-1.0 | |
| Nitrobenzene-d5 | 50.0 | 100 | 70 - 130 | 4.96 | 5.00875 | -0.0488 | +/-1.0 | |
| Phenol-d6 | 50.0 | 104 | 70 - 130 | 4.01 | 4.05 | -0.0400 | +/-1.0 | |
| p-Terphenyl-d14 | 50.0 | 97 | 70 - 130 | 14.17 | 14.2412 | -0.0712 | +/-1.0 | |
| SS-SI70 B1 (0608248-09) | | | | | | | | |
| Lab File ID: SV14127.D | | | | Analyzed: 08/15/06 08:50 | | | | |
| 1,2-Dichlorobenzene-d4 | 5350 | 69 | 30 - 130 | 4.53 | 4.57 | -0.0400 | +/-1.0 | |
| 2,4,6-Tribromophenol | 8020 | 65 | 30 - 130 | 9.74 | 9.8025 | -0.0625 | +/-1.0 | |
| 2-Chlorophenol-d4 | 8020 | 68 | 30 - 130 | 4.12 | 4.16875 | -0.0488 | +/-1.0 | |
| 2-Fluorobiphenyl | 5350 | 75 | 30 - 130 | 7.26 | 7.32125 | -0.0613 | +/-1.0 | |
| 2-Fluorophenol | 8020 | 67 | 30 - 130 | 2.82 | 2.84375 | -0.0238 | +/-1.0 | |
| Nitrobenzene-d5 | 5350 | 71 | 30 - 130 | 4.96 | 5.00875 | -0.0488 | +/-1.0 | |
| Phenol-d6 | 8020 | 69 | 30 - 130 | 4.03 | 4.05 | -0.0200 | +/-1.0 | |
| p-Terphenyl-d14 | 5350 | 79 | 30 - 130 | 14.18 | 14.2412 | -0.0612 | +/-1.0 | |
| SS-SI77 B1 (0608248-10) | | | | | | | | |
| Lab File ID: SV14128.D | | | | Analyzed: 08/15/06 09:20 | | | | |
| 1,2-Dichlorobenzene-d4 | 5370 | 73 | 30 - 130 | 4.53 | 4.57 | -0.0400 | +/-1.0 | |
| 2,4,6-Tribromophenol | 8060 | 68 | 30 - 130 | 9.74 | 9.8025 | -0.0625 | +/-1.0 | |
| 2-Chlorophenol-d4 | 8060 | 71 | 30 - 130 | 4.12 | 4.16875 | -0.0488 | +/-1.0 | |
| 2-Fluorobiphenyl | 5370 | 79 | 30 - 130 | 7.25 | 7.32125 | -0.0713 | +/-1.0 | |
| 2-Fluorophenol | 8060 | 67 | 30 - 130 | 2.82 | 2.84375 | -0.0238 | +/-1.0 | |
| Nitrobenzene-d5 | 5370 | 76 | 30 - 130 | 4.95 | 5.00875 | -0.0587 | +/-1.0 | |
| Phenol-d6 | 8060 | 72 | 30 - 130 | 4.01 | 4.05 | -0.0400 | +/-1.0 | |
| p-Terphenyl-d14 | 5370 | 87 | 30 - 130 | 14.19 | 14.2412 | -0.0512 | +/-1.0 | |

INTERNAL STANDARD AREA AND RT SUMMARY
8270C

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Sequence: BPH0157

Instrument: SVOA-MS1

Matrix: Solid

Calibration: 0608031

| Internal Standard | Response | RT | Reference Response | Reference RT | Area % | Area % Limits | RT Diff | RT Diff Limit | Q |
|---|----------|-------|------------------------|--------------|--------|--------------------------|---------|---------------|---|
| Calibration Check (BPH0157-CCV1) | | | Lab File ID: SV14126.D | | | Analyzed: 08/15/06 08:14 | | | |
| 1,4-Dichlorobenzene-d4 | 947502 | 4.33 | 380219 | 4.37 | 249 | 50 - 200 | -0.0400 | +/-0.50 | * |
| Naphthalene-d8 | 3696756 | 5.77 | 1414167 | 5.82 | 261 | 50 - 200 | -0.0500 | +/-0.50 | * |
| Acenaphthene-d10 | 1745422 | 8.34 | 650462 | 8.39 | 268 | 50 - 200 | -0.0500 | +/-0.50 | * |
| Phenanthrene-d10 | 2733158 | 10.99 | 982733 | 11.06 | 278 | 50 - 200 | -0.0700 | +/-0.50 | * |
| Chrysene-d12 | 2685192 | 16.22 | 940779 | 16.28 | 285 | 50 - 200 | -0.0600 | +/-0.50 | * |
| Perylene-d12 | 2488306 | 18.87 | 863274 | 18.92 | 288 | 50 - 200 | -0.0500 | +/-0.50 | * |
| SS-SI70 B1 (0608248-09) | | | Lab File ID: SV14127.D | | | Analyzed: 08/15/06 08:50 | | | |
| 1,4-Dichlorobenzene-d4 | 835469 | 4.32 | 947502 | 4.33 | 88 | 50 - 200 | -0.0100 | +/-0.50 | |
| Naphthalene-d8 | 3117354 | 5.76 | 3696756 | 5.77 | 84 | 50 - 200 | -0.0100 | +/-0.50 | |
| Acenaphthene-d10 | 1521857 | 8.33 | 1745422 | 8.34 | 87 | 50 - 200 | -0.0100 | +/-0.50 | |
| Phenanthrene-d10 | 2436492 | 10.97 | 2733158 | 10.99 | 89 | 50 - 200 | -0.0200 | +/-0.50 | |
| Chrysene-d12 | 2172112 | 16.2 | 2685192 | 16.22 | 81 | 50 - 200 | -0.0200 | +/-0.50 | |
| Perylene-d12 | 2103763 | 18.85 | 2488306 | 18.87 | 85 | 50 - 200 | -0.0200 | +/-0.50 | |
| SS-SI77 B1 (0608248-10) | | | Lab File ID: SV14128.D | | | Analyzed: 08/15/06 09:20 | | | |
| 1,4-Dichlorobenzene-d4 | 1009154 | 4.32 | 947502 | 4.33 | 107 | 50 - 200 | -0.0100 | +/-0.50 | |
| Naphthalene-d8 | 3727576 | 5.76 | 3696756 | 5.77 | 101 | 50 - 200 | -0.0100 | +/-0.50 | |
| Acenaphthene-d10 | 1826063 | 8.32 | 1745422 | 8.34 | 105 | 50 - 200 | -0.0200 | +/-0.50 | |
| Phenanthrene-d10 | 2817408 | 10.98 | 2733158 | 10.99 | 103 | 50 - 200 | -0.0100 | +/-0.50 | |
| Chrysene-d12 | 2357794 | 16.22 | 2685192 | 16.22 | 88 | 50 - 200 | 0.0000 | +/-0.50 | |
| Perylene-d12 | 2313396 | 18.87 | 2488306 | 18.87 | 93 | 50 - 200 | 0.0000 | +/-0.50 | |

ANALYSIS BATCH (SEQUENCE) SUMMARY

8270C

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Sequence: BPH0158

Instrument: SVOA-MS1

Matrix: Solid

Calibration: 0608031

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|-------------------|---------------|-------------|--------------------|
| MS Tune | BPH0158-TUN1 | SV14102.D | 08/14/06 19:47 |
| Calibration Check | BPH0158-CCV1 | SV14103.D | 08/14/06 20:07 |
| Blank | BH61402-BLK1 | SV14110.D | 08/14/06 23:42 |
| LCS | BH61402-BS1 | SV14111.D | 08/15/06 00:13 |
| LCS Dup | BH61402-BSD1 | SV14112.D | 08/15/06 00:44 |

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

8270C

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Lab File ID: SV14102.D

Injection Date: 08/14/06

Instrument ID: SVOA-MS1

Injection Time: 19:47

Sequence: BPH0158

Lab Sample ID: BPH0158-TUN1

| m/z | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE | |
|-----|------------------------------------|----------------------|------|
| 51 | 30 - 60% of 198 | 30.2 | PASS |
| 68 | Less than 2% of 69 | 0 | PASS |
| 69 | Less than 100% of 198 | 45.8 | PASS |
| 70 | Less than 2% of 69 | 0 | PASS |
| 127 | 40 - 60% of 198 | 44.1 | PASS |
| 197 | Less than 1% of 198 | 0 | PASS |
| 198 | Base peak, 100% relative abundance | 100 | PASS |
| 199 | 5 - 9% of 198 | 6.62 | PASS |
| 275 | 10 - 30% of 198 | 18.3 | PASS |
| 365 | 1 - 100% of 198 | 1.57 | PASS |
| 441 | 0.01 - 100% of 443 | 73.8 | PASS |
| 442 | 40 - 110% of 198 | 76.1 | PASS |
| 443 | 17 - 23% of 442 | 19.9 | PASS |

Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\MD081406\SV14102.D Vial: 1
 Acq On : 14 Aug 106 7:47 pm Operator: VSC
 Sample : BPH0158-TUN1 Inst : SVOA-MS1
 Misc : Multiplr: 1.00
 Quant Time: Aug 17 8:28 19106

Method : C:\HPCHEM\1\METHODS\DFTPP.M
 Title : daily instrument eval mix
 Last Update : Wed Aug 16 10:44:30 2006
 Response via : Single Level Calibration

Internal Standards R.T. QIon Response Conc Units Dev(Min)

System Monitoring Compounds

%Recovery

Target Compounds

Qvalue

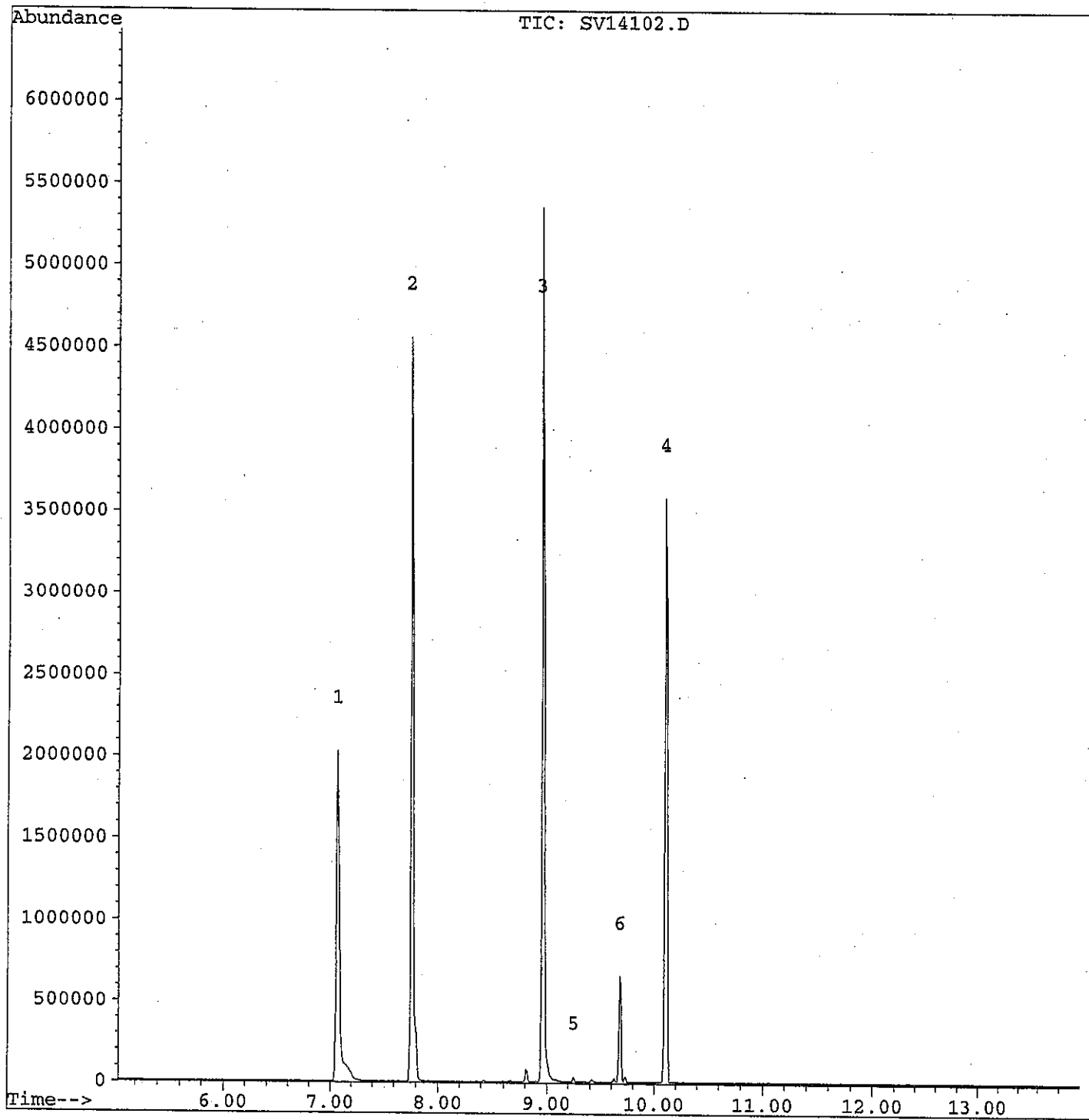
| Target Compounds | R.T. | QIon | Response | Conc | Units | Dev(Min) | %Recovery | Qvalue |
|----------------------|-------|------|----------|--------|-------|----------|-----------|--------|
| 1) Pentachlorophenol | 7.07 | 266 | 597871 | 252.82 | m | 0 | | 0 |
| 2) Dftpp | 7.76 | 198 | 834765 | 190.51 | m | 0 | | 0 |
| 3) Benzidine | 8.96 | 184 | 2850749 | 159.55 | m | 1 | | 1 |
| 4) DDT | 10.10 | 0 | 5113647 | 153.40 | m | 100 | | 100 |
| 5) DDE | 9.25 | 0 | 37419 | 222.20 | m | 0 | | 0 |
| 6) DDD | 9.68 | 0 | 932668 | 367.40 | m | 100 | | 100 |

DDT Breakdown = 15.9%

(#) = qualifier out of range (m) = manual integration
 SV14102.D DFTPP.M Thu Aug 17 08:28:35 2006

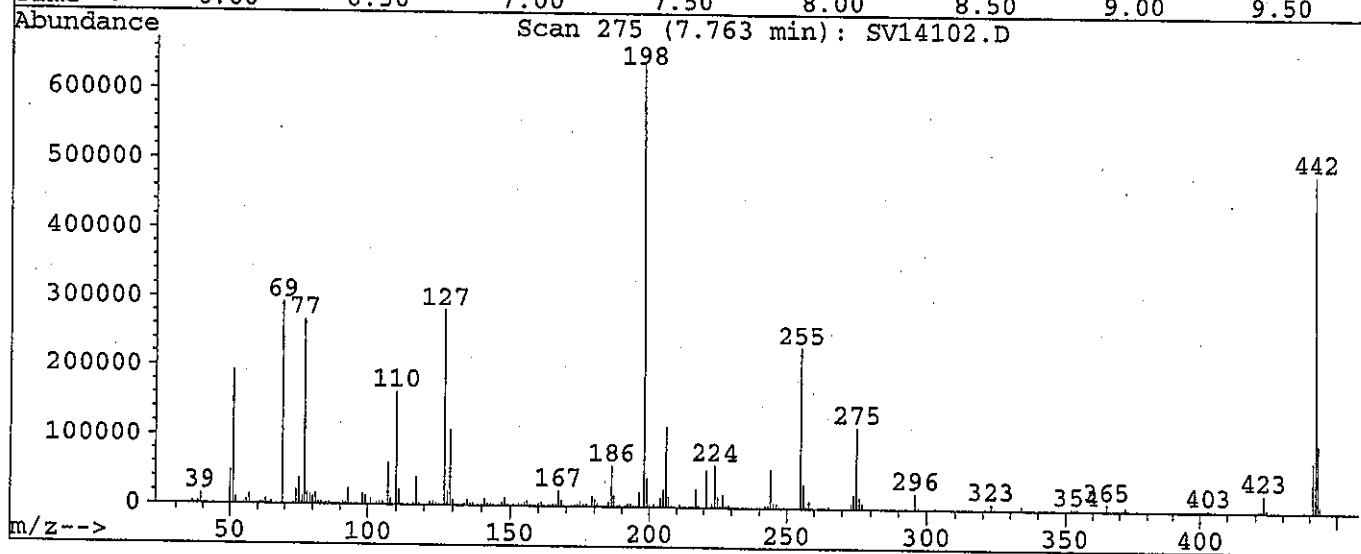
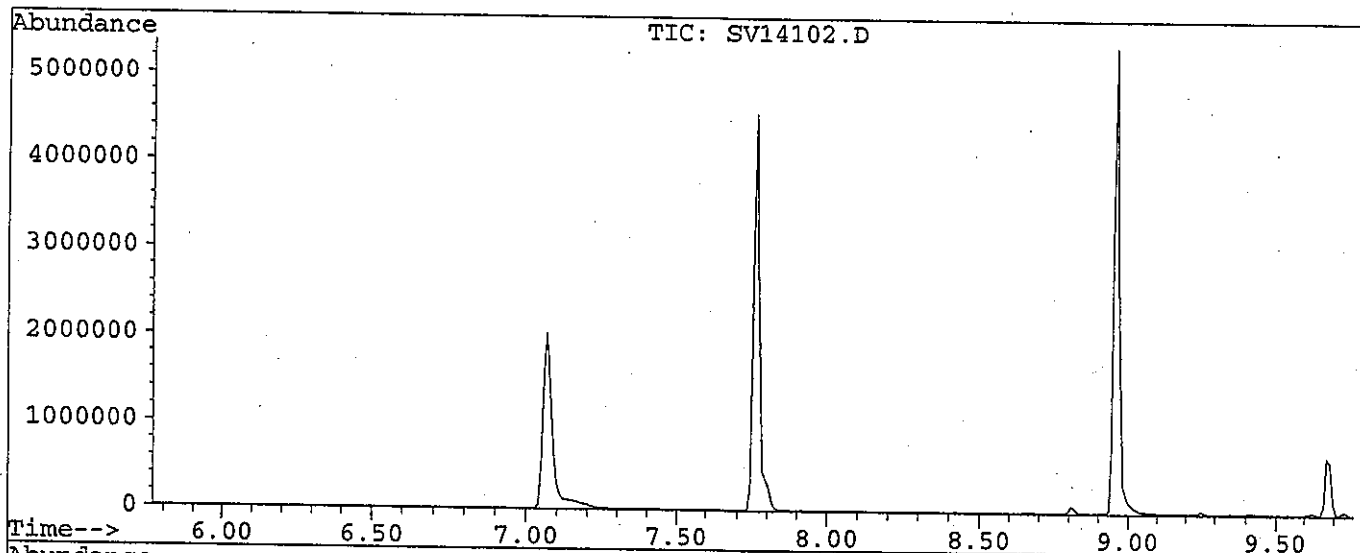
Data File : Q:\SVOA\MS1_MD\MD0806\MD081406\SV14102.D Vial: 1
Acq On : 14 Aug 106 7:47 pm Operator: VSC
Sample : BPH0158-TUN1 Inst : SVOA-MS1
Misc : Multiplr: 1.00
Quant Time: Aug 17 8:28 19106

Method : C:\HPCHEM\1\METHODS\DFTPP.M
Title : daily instrument eval mix
Last Update : Wed Aug 16 10:44:30 2006
Response via : Single Level Calibration



DFTPP CLP

Data File : Q:\SVOA\MS1_MD\MD0806\MD081406\SV14102.D Vial: 1
 Acq On : 14 Aug 106 7:47 pm Operator: VSC
 Sample : BPH0158-TUN1 Inst : SVOA-MS1
 Misc : Multiplr: 1.00
 Method : C:\HPCHEM\1\METHODS\DFTPP.M
 Title : daily instrument eval mix



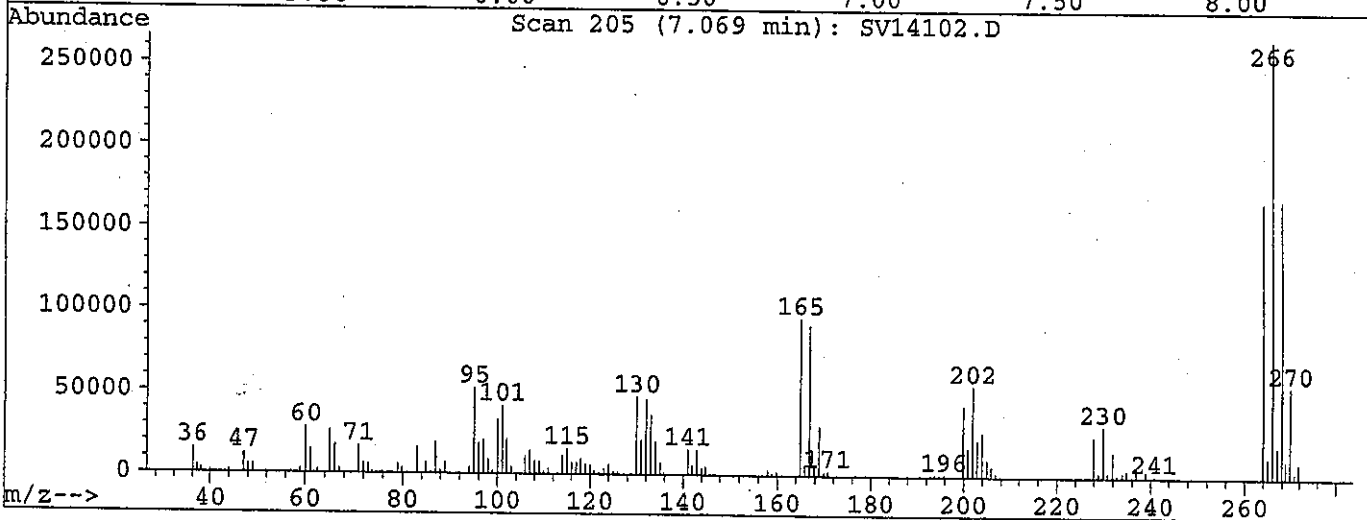
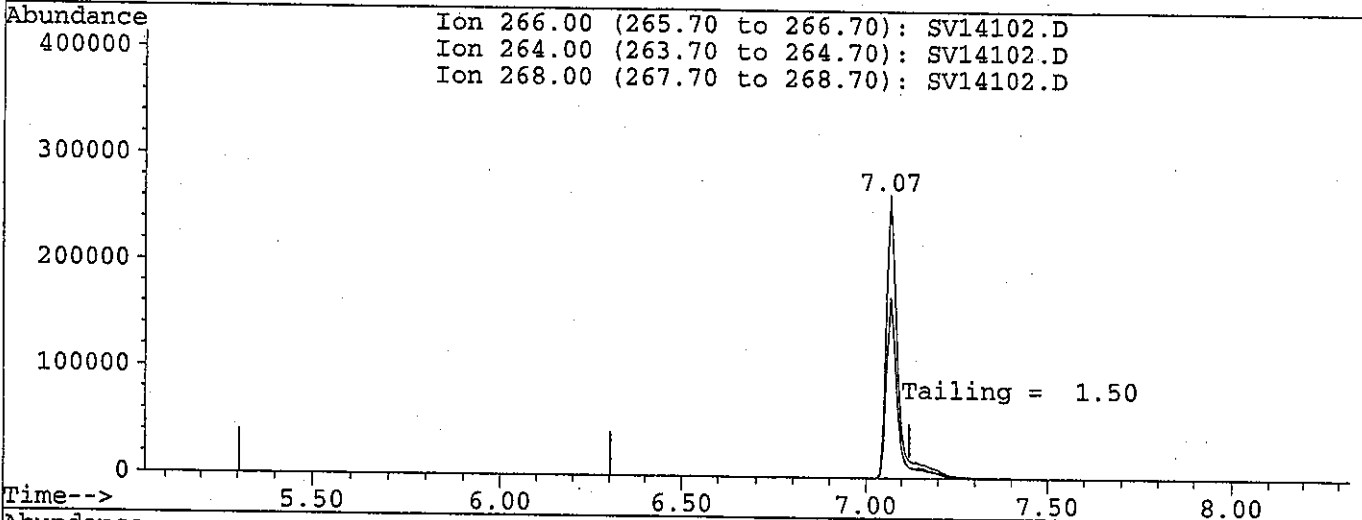
Peak Apex is scan: 275

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|-------------|--------------|--------------|--------------|-----------|---------|------------------|
| 51 | 198 | 30 | 60 | 30.2 | 192704 | PASS |
| 68 | 69 | 0 | 2 | 0.0 | 0 | PASS |
| 69 | 198 | 0 | 100 | 45.8 | 292544 | PASS |
| 70 | 69 | 0 | 2 | 0.0 | 0 | PASS |
| 127 | 198 | 40 | 60 | 44.1 | 281664 | PASS |
| 197 | 198 | 0 | 1 | 0.0 | 0 | PASS |
| 198 | 198 | 100 | 100 | 100.0 | 638336 | PASS |
| 199 | 198 | 5 | 9 | 6.6 | 42264 | PASS |
| 275 | 198 | 10 | 30 | 18.3 | 116712 | PASS |
| 365 | 198 | 1 | 100 | 1.6 | 10040 | PASS |
| 441 | 443 | 0 | 100 | 73.8 | 71416 | PASS |
| 442 | 198 | 40 | 110 | 76.1 | 485568 | PASS |
| 443 | 442 | 17 | 23 | 19.9 | 96784 | PASS |

Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\MD081406\SV14102.D Vial: 1
 Acq On : 14 Aug 106 7:47 pm Operator: VSC
 Sample : BPH0158-TUN1 Inst : SVOA-MS1
 Misc : Multiplr: 1.00
 Quant Time: Aug 17 8:28 19106

Method : C:\HPCHEM\1\METHODS\DFTPP.M
 Title : daily instrument eval mix
 Last Update : Wed Aug 16 10:44:30 2006
 Response via : Single Level Calibration



TIC: SV14102.D

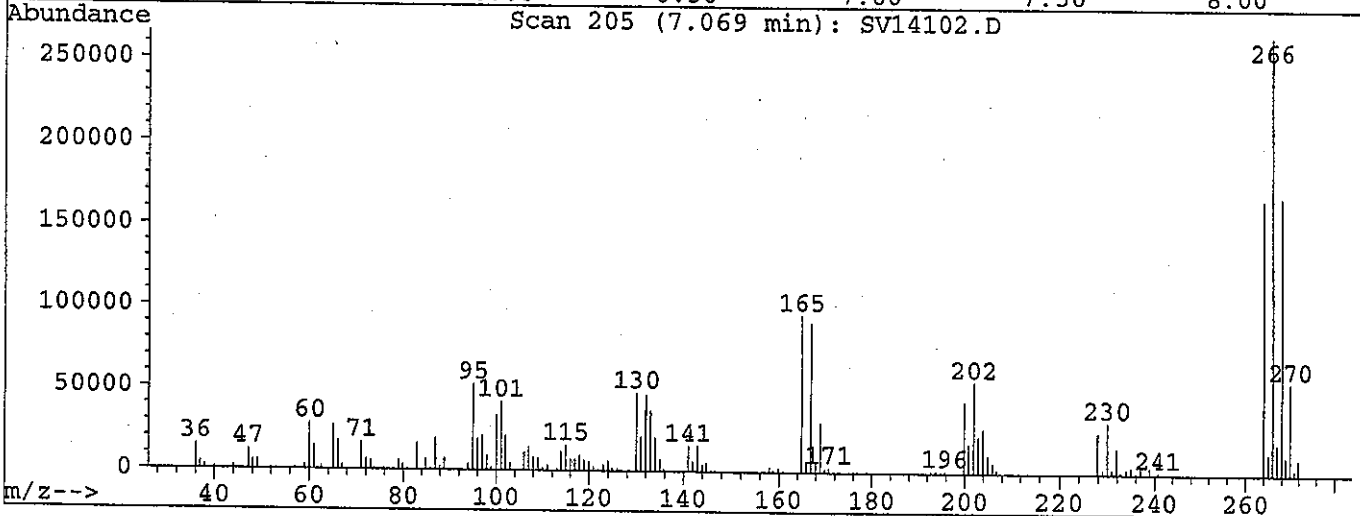
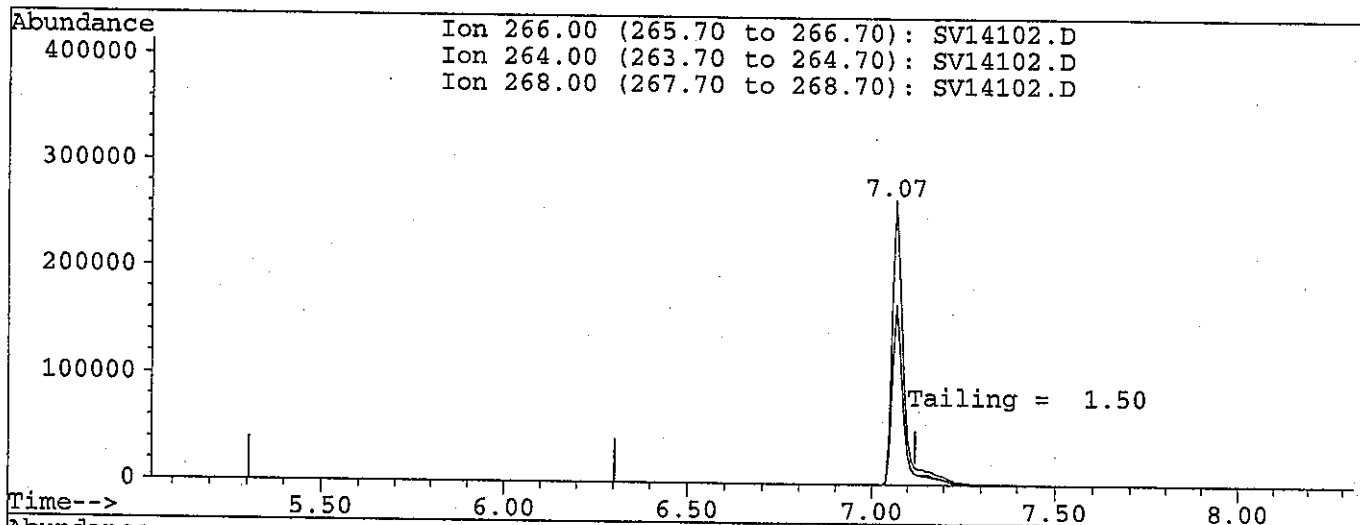
(1) Pentachlorophenol
 7.07min 252.82 m
 response 597871

| Ion | Exp% | Act% |
|--------|-------|-------|
| 266.00 | 100 | 100 |
| 264.00 | 62.70 | 62.74 |
| 268.00 | 64.60 | 63.44 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\MD081406\SV14102.D Vial: 1
 Acq On : 14 Aug 106 7:47 pm Operator: VSC
 Sample : BPH0158-TUN1 Inst : SVOA-MS1
 Misc : Multiplr: 1.00
 Quant Time: Aug 17 8:28 19106

Method : C:\HPCHEM\1\METHODS\DFTPP.M
 Title : daily instrument eval mix
 Last Update : Wed Aug 16 10:44:30 2006
 Response via : Single Level Calibration



TIC: SV14102.D

(1) Pentachlorophenol

7.07min 252.82 m

response 597871

| Ion | Exp% | Act% |
|--------|-------|-------|
| 266.00 | 100 | 100 |
| 264.00 | 62.70 | 62.74 |
| 268.00 | 64.60 | 63.44 |
| 0.00 | 0.00 | 0.00 |

CONTINUING CALIBRATION CHECK

8270C

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Instrument ID: SVOA-MS1

Calibration: 0608031

Lab File ID: SV14103.D

Calibration Date: 08/09/06 00:00

Sequence: BPH0158

Injection Date: 08/14/06

Lab Sample ID: BPH0158-CCV1

Injection Time: 20:07

| COMPOUND | TYPE | CONC. (mg/L) | | RESPONSE FACTOR | | | % DIFF / DRIFT | |
|---------------------------|------|--------------|------|-----------------|----------|---------|----------------|-----------|
| | | STD | CCV | ICAL | CCV | MIN (#) | CCV | LIMIT (#) |
| 1,1-Biphenyl | A | 50.0 | 52.5 | 1.44403 | 1.51578 | | 4.97 | 30 |
| 1,1-Biphenyl | A | 50.0 | 52.5 | 1.44403 | 1.51578 | | 4.97 | 30 |
| 1,2,4-Trichlorobenzene | A | 50.0 | 49.8 | 0.297509 | 0.296635 | | -0.294 | 30 |
| 1,2,4-Trichlorobenzene | A | 50.0 | 49.8 | 0.297509 | 0.296635 | | -0.294 | 30 |
| 1,2-Dichlorobenzene | A | 50.0 | 50.8 | 1.41768 | 1.44152 | | 1.68 | 30 |
| 1,2-Dichlorobenzene | A | 50.0 | 50.8 | 1.41768 | 1.44152 | | 1.68 | 30 |
| 1,3-Dichlorobenzene | A | 50.0 | 49.5 | 1.51585 | 1.49992 | | -1.05 | 30 |
| 1,3-Dichlorobenzene | A | 50.0 | 49.5 | 1.51585 | 1.49992 | | -1.05 | 30 |
| 1,4-Dichlorobenzene | A | 50.0 | 51.2 | 1.55393 | 1.58978 | | 2.31 | 20 |
| 1,4-Dichlorobenzene | A | 50.0 | 51.2 | 1.55393 | 1.58978 | | 2.31 | 20 |
| 2,3,4,6-Tetrachlorophenol | A | 50.0 | 49.8 | 0.334626 | 0.332258 | | -0.708 | 30 |
| 2,3,4,6-Tetrachlorophenol | A | 50.0 | 49.8 | 0.334626 | 0.332258 | | -0.708 | 30 |
| 2,4,5-Trichlorophenol | A | 50.0 | 51.8 | 0.430038 | 0.445259 | | 3.54 | 30 |
| 2,4,5-Trichlorophenol | A | 50.0 | 51.8 | 0.430038 | 0.445259 | | 3.54 | 30 |
| 2,4,6-Trichlorophenol | A | 50.0 | 48.9 | 0.413741 | 0.406934 | | -1.65 | 20 |
| 2,4,6-Trichlorophenol | A | 50.0 | 48.9 | 0.413741 | 0.406934 | | -1.65 | 20 |
| 2,4-Dichlorophenol | A | 50.0 | 49.7 | 0.283261 | 0.281799 | | -0.516 | 20 |
| 2,4-Dichlorophenol | A | 50.0 | 49.7 | 0.283261 | 0.281799 | | -0.516 | 20 |
| 2,4-Dimethylphenol | A | 50.0 | 51.7 | 0.330267 | 0.341605 | | 3.43 | 30 |
| 2,4-Dimethylphenol | A | 50.0 | 51.7 | 0.330267 | 0.341605 | | 3.43 | 30 |
| 2,4-Dinitrophenol | L | 50.0 | 46.2 | 0.223771 | 0.233509 | 0.05 | -7.60 | 30 |
| 2,4-Dinitrophenol | L | 50.0 | 46.2 | 0.223771 | 0.233509 | 0.05 | -7.60 | 30 |
| 2,4-Dinitrotoluene | A | 50.0 | 49.7 | 0.439614 | 0.437082 | | -0.576 | 30 |
| 2,4-Dinitrotoluene | A | 50.0 | 49.7 | 0.439614 | 0.437082 | | -0.576 | 30 |
| 2,6-Dinitrotoluene | A | 50.0 | 49.7 | 0.439614 | 0.437082 | | -0.576 | 30 |
| 2,6-Dinitrotoluene | A | 50.0 | 49.7 | 0.439614 | 0.437082 | | -0.576 | 30 |
| 2-Chloronaphthalene | A | 50.0 | 51.0 | 1.33786 | 1.36573 | | 2.08 | 30 |
| 2-Chloronaphthalene | A | 50.0 | 51.0 | 1.33786 | 1.36573 | | 2.08 | 30 |
| 2-Chlorophenol | A | 50.0 | 50.3 | 1.54766 | 1.55634 | | 0.561 | 30 |

CONTINUING CALIBRATION CHECK

8270C

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Instrument ID: SVOA-MS1

Calibration: 0608031

Lab File ID: SV14103.D

Calibration Date: 08/09/06 00:00

Sequence: BPH0158

Injection Date: 08/14/06

Lab Sample ID: BPH0158-CCV1

Injection Time: 20:07

| COMPOUND | TYPE | CONC. (mg/L) | | RESPONSE FACTOR | | | % DIFF / DRIFT | |
|------------------------------|------|--------------|------|-----------------|----------|---------|----------------|-----------|
| | | STD | CCV | ICAL | CCV | MIN (#) | CCV | LIMIT (#) |
| 2-Chlorophenol | A | 50.0 | 50.3 | 1.54766 | 1.55634 | | 0.561 | 30 |
| 2-Methylnaphthalene | A | 50.0 | 50.8 | 0.620632 | 0.631205 | | 1.70 | 30 |
| 2-Methylnaphthalene | A | 50.0 | 50.8 | 0.620632 | 0.631205 | | 1.70 | 30 |
| 2-Methylphenol | A | 50.0 | 51.2 | 1.37713 | 1.40875 | | 2.30 | 30 |
| 2-Methylphenol | A | 50.0 | 51.2 | 1.37713 | 1.40875 | | 2.30 | 30 |
| 2-Nitroaniline | A | 50.0 | 48.2 | 0.406325 | 0.390018 | | -4.01 | 30 |
| 2-Nitroaniline | A | 50.0 | 48.2 | 0.406325 | 0.390018 | | -4.01 | 30 |
| 2-Nitrophenol | A | 50.0 | 49.0 | 0.239017 | 0.234113 | | -2.05 | 20 |
| 2-Nitrophenol | A | 50.0 | 49.0 | 0.239017 | 0.234113 | | -2.05 | 20 |
| 3,3'-Dichlorobenzidine | L | 50.0 | 53.0 | 0.424574 | 0.482331 | | 6.00 | 30 |
| 3,3'-Dichlorobenzidine | L | 50.0 | 53.0 | 0.424574 | 0.482331 | | 6.00 | 30 |
| 3-Nitroaniline | A | 50.0 | 53.5 | 0.453988 | 0.485613 | | 6.97 | 30 |
| 3-Nitroaniline | A | 50.0 | 53.5 | 0.453988 | 0.485613 | | 6.97 | 30 |
| 4-Bromophenyl-phenylether | A | 50.0 | 49.4 | 0.237174 | 0.234185 | | -1.26 | 30 |
| 4-Bromophenyl-phenylether | A | 50.0 | 49.4 | 0.237174 | 0.234185 | | -1.26 | 30 |
| 4-Chloro-3-Methylphenol | A | 50.0 | 52.0 | 0.286183 | 0.297403 | | 3.92 | 20 |
| 4-Chloro-3-Methylphenol | A | 50.0 | 52.0 | 0.286183 | 0.297403 | | 3.92 | 20 |
| 4-Chloroaniline | A | 50.0 | 51.9 | 0.470275 | 0.487855 | | 3.74 | 30 |
| 4-Chloroaniline | A | 50.0 | 51.9 | 0.470275 | 0.487855 | | 3.74 | 30 |
| 4-Chloro-phenyl-phenyl ether | A | 50.0 | 52.5 | 0.601626 | 0.631803 | | 5.02 | 30 |
| 4-Chloro-phenyl-phenyl ether | A | 50.0 | 52.5 | 0.601626 | 0.631803 | | 5.02 | 30 |
| 4-Nitroaniline | A | 50.0 | 50.0 | 0.299339 | 0.299188 | | -0.0504 | 30 |
| 4-Nitroaniline | A | 50.0 | 50.0 | 0.299339 | 0.299188 | | -0.0504 | 30 |
| 4-Nitrophenol | A | 50.0 | 54.4 | 0.259024 | 0.281884 | 0.05 | 8.83 | 30 |
| 4-Nitrophenol | A | 50.0 | 54.4 | 0.259024 | 0.281884 | 0.05 | 8.83 | 30 |
| Acenaphthene | A | 50.0 | 49.6 | 1.17733 | 1.16677 | | -0.897 | 20 |
| Acenaphthene | A | 50.0 | 49.6 | 1.17733 | 1.16677 | | -0.897 | 20 |
| Acenaphthylene | A | 50.0 | 50.7 | 1.93068 | 1.95918 | | 1.48 | 30 |
| Acenaphthylene | A | 50.0 | 50.7 | 1.93068 | 1.95918 | | 1.48 | 30 |

CONTINUING CALIBRATION CHECK

8270C

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Instrument ID: SVOA-MS1

Calibration: 0608031

Lab File ID: SV14103.D

Calibration Date: 08/09/06 00:00

Sequence: BPH0158

Injection Date: 08/14/06

Lab Sample ID: BPH0158-CCV1

Injection Time: 20:07

| COMPOUND | TYPE | CONC. (mg/L) | | RESPONSE FACTOR | | | % DIFF / DRIFT | |
|-----------------------------|------|--------------|------|-----------------|----------|---------|----------------|-----------|
| | | STD | CCV | ICAL | CCV | MIN (#) | CCV | LIMIT (#) |
| Acetophenone | A | 50.0 | 51.8 | 1.77012 | 1.83339 | | 3.57 | 30 |
| Acetophenone | A | 50.0 | 51.8 | 1.77012 | 1.83339 | | 3.57 | 30 |
| Aniline | A | 50.0 | 51.3 | 2.3703 | 2.43254 | | 2.63 | 30 |
| Aniline | A | 50.0 | 51.3 | 2.3703 | 2.43254 | | 2.63 | 30 |
| Anthracene | A | 50.0 | 49.2 | 1.18094 | 1.16098 | | -1.69 | 30 |
| Anthracene | A | 50.0 | 49.2 | 1.18094 | 1.16098 | | -1.69 | 30 |
| Azobenzene | A | 50.0 | 49.6 | 1.11093 | 1.10148 | | -0.851 | 30 |
| Azobenzene | A | 50.0 | 49.6 | 1.11093 | 1.10148 | | -0.851 | 30 |
| Benzo(a)anthracene | A | 50.0 | 47.3 | 1.2487 | 1.18165 | | -5.37 | 30 |
| Benzo(a)anthracene | A | 50.0 | 47.3 | 1.2487 | 1.18165 | | -5.37 | 30 |
| Benzo(a)pyrene | L | 50.0 | 47.4 | 1.11599 | 1.12336 | | -5.20 | 20 |
| Benzo(a)pyrene | L | 50.0 | 47.4 | 1.11599 | 1.12336 | | -5.20 | 20 |
| Benzo(b)fluoranthene | L | 50.0 | 40.8 | 1.5358 | 1.31757 | | -18.4 | 30 |
| Benzo(b)fluoranthene | L | 50.0 | 40.8 | 1.5358 | 1.31757 | | -18.4 | 30 |
| Benzo(g,h,i)perylene | L | 50.0 | 45.0 | 1.06099 | 1.04818 | | -10.0 | 30 |
| Benzo(g,h,i)perylene | L | 50.0 | 45.0 | 1.06099 | 1.04818 | | -10.0 | 30 |
| Benzo(k)fluoranthene | Q | 50.0 | 54.7 | 1.06862 | 1.14774 | | 9.40 | 30 |
| Benzo(k)fluoranthene | Q | 50.0 | 54.7 | 1.06862 | 1.14774 | | 9.40 | 30 |
| Benzoic Acid | L | 50.0 | 45.1 | 0.290511 | 0.26268 | | -9.80 | 30 |
| Benzoic Acid | L | 50.0 | 45.1 | 0.290511 | 0.26268 | | -9.80 | 30 |
| Benzyl Alcohol | A | 50.0 | 53.0 | 1.0949 | 1.16092 | | 6.03 | 30 |
| Benzyl Alcohol | A | 50.0 | 53.0 | 1.0949 | 1.16092 | | 6.03 | 30 |
| bis(2-Chloroethoxy)methane | A | 50.0 | 49.5 | 0.47445 | 0.470057 | | -0.926 | 30 |
| bis(2-Chloroethoxy)methane | A | 50.0 | 49.5 | 0.47445 | 0.470057 | | -0.926 | 30 |
| bis(2-Chloroethyl)ether | A | 50.0 | 50.4 | 1.55398 | 1.56627 | | 0.791 | 30 |
| bis(2-Chloroethyl)ether | A | 50.0 | 50.4 | 1.55398 | 1.56627 | | 0.791 | 30 |
| bis(2-chloroisopropyl)Ether | A | 50.0 | 52.0 | 2.26566 | 2.35589 | | 3.98 | 30 |
| bis(2-chloroisopropyl)Ether | A | 50.0 | 52.0 | 2.26566 | 2.35589 | | 3.98 | 30 |
| bis(2-Ethylhexyl)phthalate | L | 50.0 | 48.5 | 0.981117 | 1.00326 | | -3.00 | 30 |

CONTINUING CALIBRATION CHECK

8270C

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Instrument ID: SVOA-MS1

Calibration: 0608031

Lab File ID: SV14103.D

Calibration Date: 08/09/06 00:00

Sequence: BPH0158

Injection Date: 08/14/06

Lab Sample ID: BPH0158-CCV1

Injection Time: 20:07

| COMPOUND | TYPE | CONC. (mg/L) | | RESPONSE FACTOR | | | % DIFF / DRIFT | |
|----------------------------|------|--------------|------|-----------------|----------|---------|----------------|-----------|
| | | STD | CCV | ICAL | CCV | MIN (#) | CCV | LIMIT (#) |
| bis(2-Ethylhexyl)phthalate | L | 50.0 | 48.5 | 0.981117 | 1.00326 | | -3.00 | 30 |
| Butylbenzylphthalate | A | 50.0 | 51.5 | 0.77349 | 0.796786 | | 3.01 | 30 |
| Butylbenzylphthalate | A | 50.0 | 51.5 | 0.77349 | 0.796786 | | 3.01 | 30 |
| Carbazole | A | 50.0 | 50.1 | 1.15136 | 1.15391 | | 0.221 | 30 |
| Carbazole | A | 50.0 | 50.1 | 1.15136 | 1.15391 | | 0.221 | 30 |
| Chrysene | A | 50.0 | 47.8 | 1.11932 | 1.07095 | | -4.32 | 30 |
| Chrysene | A | 50.0 | 47.8 | 1.11932 | 1.07095 | | -4.32 | 30 |
| Dibenzo(a,h)Anthracene | L | 50.0 | 46.5 | 0.993818 | 1.06718 | | -7.00 | 30 |
| Dibenzo(a,h)Anthracene | L | 50.0 | 46.5 | 0.993818 | 1.06718 | | -7.00 | 30 |
| Dibenzofuran | A | 50.0 | 49.9 | 1.66908 | 1.6654 | | -0.220 | 30 |
| Dibenzofuran | A | 50.0 | 49.9 | 1.66908 | 1.6654 | | -0.220 | 30 |
| Diethylphthalate | A | 50.0 | 49.9 | 1.36381 | 1.3604 | | -0.250 | 30 |
| Diethylphthalate | A | 50.0 | 49.9 | 1.36381 | 1.3604 | | -0.250 | 30 |
| Dimethylphthalate | A | 50.0 | 49.8 | 1.36908 | 1.36575 | | -0.243 | 30 |
| Dimethylphthalate | A | 50.0 | 49.8 | 1.36908 | 1.36575 | | -0.243 | 30 |
| Di-n-butylphthalate | A | 50.0 | 47.9 | 1.60155 | 1.53433 | | -4.20 | 30 |
| Di-n-butylphthalate | A | 50.0 | 47.9 | 1.60155 | 1.53433 | | -4.20 | 30 |
| Di-n-octylphthalate | L | 50.0 | 49.3 | 1.72457 | 1.89369 | | -1.40 | 20 |
| Di-n-octylphthalate | L | 50.0 | 49.3 | 1.72457 | 1.89369 | | -1.40 | 20 |
| Fluoranthene | A | 50.0 | 46.5 | 1.16963 | 1.08779 | | -7.00 | 20 |
| Fluoranthene | A | 50.0 | 46.5 | 1.16963 | 1.08779 | | -7.00 | 20 |
| Fluorene | A | 50.0 | 51.5 | 1.3011 | 1.34075 | | 3.05 | 30 |
| Fluorene | A | 50.0 | 51.5 | 1.3011 | 1.34075 | | 3.05 | 30 |
| Hexachlorobenzene | A | 50.0 | 47.4 | 0.270721 | 0.256412 | | -5.29 | 30 |
| Hexachlorobenzene | A | 50.0 | 47.4 | 0.270721 | 0.256412 | | -5.29 | 30 |
| Hexachlorobutadiene | A | 50.0 | 52.9 | 0.136409 | 0.144277 | | 5.77 | 20 |
| Hexachlorobutadiene | A | 50.0 | 52.9 | 0.136409 | 0.144277 | | 5.77 | 20 |
| Hexachlorocyclopentadiene | A | 50.0 | 47.0 | 0.347435 | 0.326757 | 0.05 | -5.95 | 30 |
| Hexachlorocyclopentadiene | A | 50.0 | 47.0 | 0.347435 | 0.326757 | 0.05 | -5.95 | 30 |

CONTINUING CALIBRATION CHECK

8270C

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Instrument ID: SVOA-MS1

Calibration: 0608031

Lab File ID: SV14103.D

Calibration Date: 08/09/06 00:00

Sequence: BPH0158

Injection Date: 08/14/06

Lab Sample ID: BPH0158-CCV1

Injection Time: 20:07

| COMPOUND | TYPE | CONC. (mg/L) | | RESPONSE FACTOR | | | % DIFF / DRIFT | |
|----------------------------|------|--------------|------|-----------------|----------|---------|----------------|-----------|
| | | STD | CCV | ICAL | CCV | MIN (#) | CCV | LIMIT (#) |
| Hexachloroethane | A | 50.0 | 51.2 | 0.626381 | 0.641856 | | 2.47 | 30 |
| Hexachloroethane | A | 50.0 | 51.2 | 0.626381 | 0.641856 | | 2.47 | 30 |
| Indeno(1,2,3-cd)Pyrene | L | 50.0 | 44.5 | 1.23478 | 1.25647 | | -11.0 | 30 |
| Indeno(1,2,3-cd)Pyrene | L | 50.0 | 44.5 | 1.23478 | 1.25647 | | -11.0 | 30 |
| Isophorone | A | 50.0 | 49.6 | 0.720708 | 0.715625 | | -0.705 | 30 |
| Isophorone | A | 50.0 | 49.6 | 0.720708 | 0.715625 | | -0.705 | 30 |
| Naphthalene | A | 50.0 | 49.7 | 1.02386 | 1.0175 | | -0.621 | 30 |
| Naphthalene | A | 50.0 | 49.7 | 1.02386 | 1.0175 | | -0.621 | 30 |
| Nitrobenzene | A | 50.0 | 49.9 | 0.379494 | 0.378884 | | -0.161 | 30 |
| Nitrobenzene | A | 50.0 | 49.9 | 0.379494 | 0.378884 | | -0.161 | 30 |
| N-Nitrosodimethylamine | A | 50.0 | 56.3 | 0.103587 | 0.116618 | | 12.6 | 30 |
| N-Nitrosodimethylamine | A | 50.0 | 56.3 | 0.103587 | 0.116618 | | 12.6 | 30 |
| N-Nitroso-Di-n-Propylamine | A | 50.0 | 52.3 | 1.05278 | 1.10127 | 0.05 | 4.61 | 30 |
| N-Nitroso-Di-n-Propylamine | A | 50.0 | 52.3 | 1.05278 | 1.10127 | 0.05 | 4.61 | 30 |
| N-nitrosodiphenylamine | A | 50.0 | 50.7 | 0.734138 | 0.74479 | | 1.45 | 20 |
| N-nitrosodiphenylamine | A | 50.0 | 50.7 | 0.734138 | 0.74479 | | 1.45 | 20 |
| Pentachlorophenol | L | 50.0 | 41.5 | 0.151234 | 0.137321 | | -17.0 | 20 |
| Pentachlorophenol | L | 50.0 | 41.5 | 0.151234 | 0.137321 | | -17.0 | 20 |
| Phenanthrene | A | 50.0 | 48.6 | 1.18818 | 1.15467 | | -2.82 | 30 |
| Phenanthrene | A | 50.0 | 48.6 | 1.18818 | 1.15467 | | -2.82 | 30 |
| Phenol | A | 50.0 | 51.0 | 2.2739 | 2.3212 | | 2.08 | 20 |
| Phenol | A | 50.0 | 51.0 | 2.2739 | 2.3212 | | 2.08 | 20 |
| Pyrene | A | 50.0 | 53.2 | 1.30602 | 1.36526 | | 4.54 | 30 |
| Pyrene | A | 50.0 | 53.2 | 1.30602 | 1.36526 | | 4.54 | 30 |
| Pyridine | A | 50.0 | 56.7 | 0.180588 | 0.204687 | | 13.3 | 30 |
| Pyridine | A | 50.0 | 56.7 | 0.180588 | 0.204687 | | 13.3 | 30 |

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\MD081406\SV14103.D Vial: 2
 Acq On : 14 Aug 106 8:07 pm Operator: VSC
 Sample : BPH0158-CCV1 Inst : SVOA-MS1
 Misc : Multiplr: 1.00
 Quant Time: Aug 15 17:08 19106

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
 Title : ELEMENT ID: 0607036(SOIL) 0607037(AQUEOUS)
 Last Update : Tue Aug 15 08:47:34 2006
 Response via : Multiple Level Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 4.33 | 152 | 641264 | 40.00 | ng/uL | -0.02 |
| 22) Naphthalene-d8 | 5.77 | 136 | 2440706 | 40.00 | ng/uL | -0.02 |
| 38) Acenaphthene-d10 | 8.35 | 164 | 1132637 | 40.00 | ng/uL | -0.02 |
| 59) Phenanthrene-d10 | 11.00 | 188 | 1712264 | 40.00 | ng/uL | -0.02 |
| 74) Chrysene-d12 | 16.22 | 240 | 1427218 | 40.00 | ng/uL | -0.03 |
| 82) Perylene-d12 | 18.85 | 264 | 1265600 | 40.00 | ng/uL | -0.03 |

| System Monitoring Compounds | R.T. | QIon | Response | Conc | Units | %Recovery |
|----------------------------------|-------|------|----------|-------|-------|-----------|
| 4) 2-Fluorophenol (SURR) | 2.80 | 112 | 1223282 | 50.81 | ng/uL | 33.87% |
| 6) Phenol-d5 (SURR) | 4.01 | 99 | 1578563 | 51.50 | ng/uL | 34.33% |
| 10) 2-Chlorophenol-d4 (SURR) | 4.13 | 132 | 1193176 | 50.31 | ng/uL | 33.54% |
| 13) 1,2 Dichlorobenzene-d4 (SUR) | 4.53 | 152 | 726350 | 52.06 | ng/uL | 52.06% |
| 23) Nitrobenzene-d5 (SURR) | 4.96 | 82 | 1143155 | 51.14 | ng/uL | 51.14% |
| 42) 2-Fluorobiphenyl (SURR) | 7.27 | 172 | 1898610 | 51.04 | ng/uL | 51.04% |
| 64) 2,4,6-Tribromophenol (SURR) | 9.75 | 330 | 300647 | 45.62 | ng/uL | 30.41% |
| 76) Terphenyl-d14 (SURR) | 14.18 | 244 | 1569427 | 51.67 | ng/uL | 51.67% |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|---------------------------------|------|------|----------|-------|-------|--------|
| 2) N-Nitrosodimethylamine | 1.04 | 74 | 93479 | 56.29 | ng/uL | 96 |
| 3) Pyridine | 1.04 | 79 | 164073 | 56.67 | ng/uL | 100 |
| 5) bis(2-Chloroethyl) ether | 4.10 | 93 | 1255489 | 50.40 | ng/uL | 94 |
| 7) 2-Chlorophenol | 4.14 | 128 | 1247530 | 50.28 | ng/uL | 94 |
| 8) Phenol | 4.02 | 94 | 1860628 | 51.04 | ng/uL | 90 |
| 9) Aniline | 4.03 | 93 | 1949879 | 51.31 | ng/uL | 81 |
| 11) 1,3-Dichlorobenzene | 4.29 | 146 | 1202304 | 49.47 | ng/uL | 99 |
| 12) 1,4-Dichlorobenzene | 4.35 | 146 | 1274332 | 51.15 | ng/uL | 100 |
| 14) 1,2-Dichlorobenzene | 4.54 | 146 | 1155496 | 50.84 | ng/uL | 100 |
| 15) Benzyl Alcohol | 4.50 | 79 | 930573 | 53.01 | ng/uL | 94 |
| 16) bis(2-chloroisopropyl) Ethe | 4.67 | 45 | 1888437 | 51.99 | ng/uL | 93 |
| 17) 2-Methylphenol | 4.65 | 108 | 1129225 | 51.15 | ng/uL | 100 |
| 18) Acetophenone | 4.79 | 105 | 1469607 | 51.79 | ng/uL | 98 |
| 19) N-Nitroso-Di-n-Propylamine | 4.84 | 70 | 882754 | 52.30 | ng/uL | 98 |
| 20) Hexachlorobutane | 4.88 | 117 | 514499 | 51.24 | ng/uL | 78 |
| 21) 3+4-Methylphenol | 4.82 | 108 | 1221482 | 51.81 | ng/uL | 96 |
| 24) Nitrobenzene | 4.98 | 77 | 1155930 | 49.92 | ng/uL | 98 |
| 25) Isophorone | 5.25 | 82 | 2183287 | 49.65 | ng/uL | 95 |
| 26) 2-Nitrophenol | 5.34 | 139 | 714250 | 48.97 | ng/uL | 98 |
| 27) Benzoic Acid | 5.59 | 105 | 801407 | 45.10 | ng/uL | 96 |
| 28) 2,4-Dimethylphenol | 5.40 | 107 | 1042197 | 51.72 | ng/uL | 92 |
| 29) bis(2-Chloroethoxy) methane | 5.50 | 93 | 1434089 | 49.54 | ng/uL | 92 |
| 30) 2,4-Dichlorophenol | 5.61 | 162 | 859736 | 49.74 | ng/uL | 97 |
| 31) 1,2,4-Trichlorobenzene | 5.72 | 180 | 904998 | 49.85 | ng/uL | 97 |
| 32) Naphthalene | 5.79 | 128 | 3104268 | 49.69 | ng/uL | 99 |
| 33) 4-Chloroaniline | 5.89 | 127 | 1488389 | 51.87 | ng/uL | 99 |
| 34) Hexachlorobutadiene | 6.02 | 225 | 440173 | 52.88 | ng/uL | 99 |
| 35) 4-Chloro-3-Methylphenol | 6.52 | 107 | 907343 | 51.96 | ng/uL | 95 |
| 36) 2-Methylnaphthalene | 6.70 | 142 | 1925733 | 50.85 | ng/uL | 99 |
| 37) 1-Methylnaphthalene | 6.85 | 142 | 1932995 | 51.61 | ng/uL | 99 |
| 39) Hexachlorocyclopentadiene | 7.03 | 237 | 462621 | 47.02 | ng/uL | 99 |
| 40) 2,4,6-Trichlorophenol | 7.15 | 196 | 576135 | 48.88 | ng/uL | 99 |
| 41) 2,4,5-Trichlorophenol | 7.22 | 196 | 630396 | 51.83 | ng/uL | 100 |
| 43) Biphenyl | 7.41 | 154 | 2146033 | 52.48 | ng/uL | 98 |
| 44) 2-Chloronaphthalene | 7.42 | 162 | 1933595 | 51.04 | ng/uL | 97 |
| 45) Dimethylphthalate | 7.99 | 163 | 1933618 | 49.82 | ng/uL | 99 |
| 46) Acenaphthylene | 8.09 | 152 | 2773794 | 50.74 | ng/uL | 100 |
| 47) 2,6-Dinitrotoluene | 8.76 | 165 | 618819 | 49.71 | ng/uL | 79 |
| 48) 2-Nitroaniline | 7.63 | 65 | 552186 | 48.24 | ng/uL | 96 |

(#) = qualifier out of range (m) = manual integration
 SV14103.D SV1NJ.M Thu Aug 17 08:29:05 2006

Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\MD081406\SV14103.D Vial: 2
 Acq On : 14 Aug 106 8:07 pm Operator: VSC
 Sample : BPH0158-CCV1 Inst : SVOA-MS1
 Misc : Multiplr: 1.00
 Quant Time: Aug 15 17:08 19106

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
 Title : ELEMENT ID: 0607036(SOIL) 0607037(AQUEOUS)
 Last Update : Tue Aug 15 08:47:34 2006
 Response via : Multiple Level Calibration

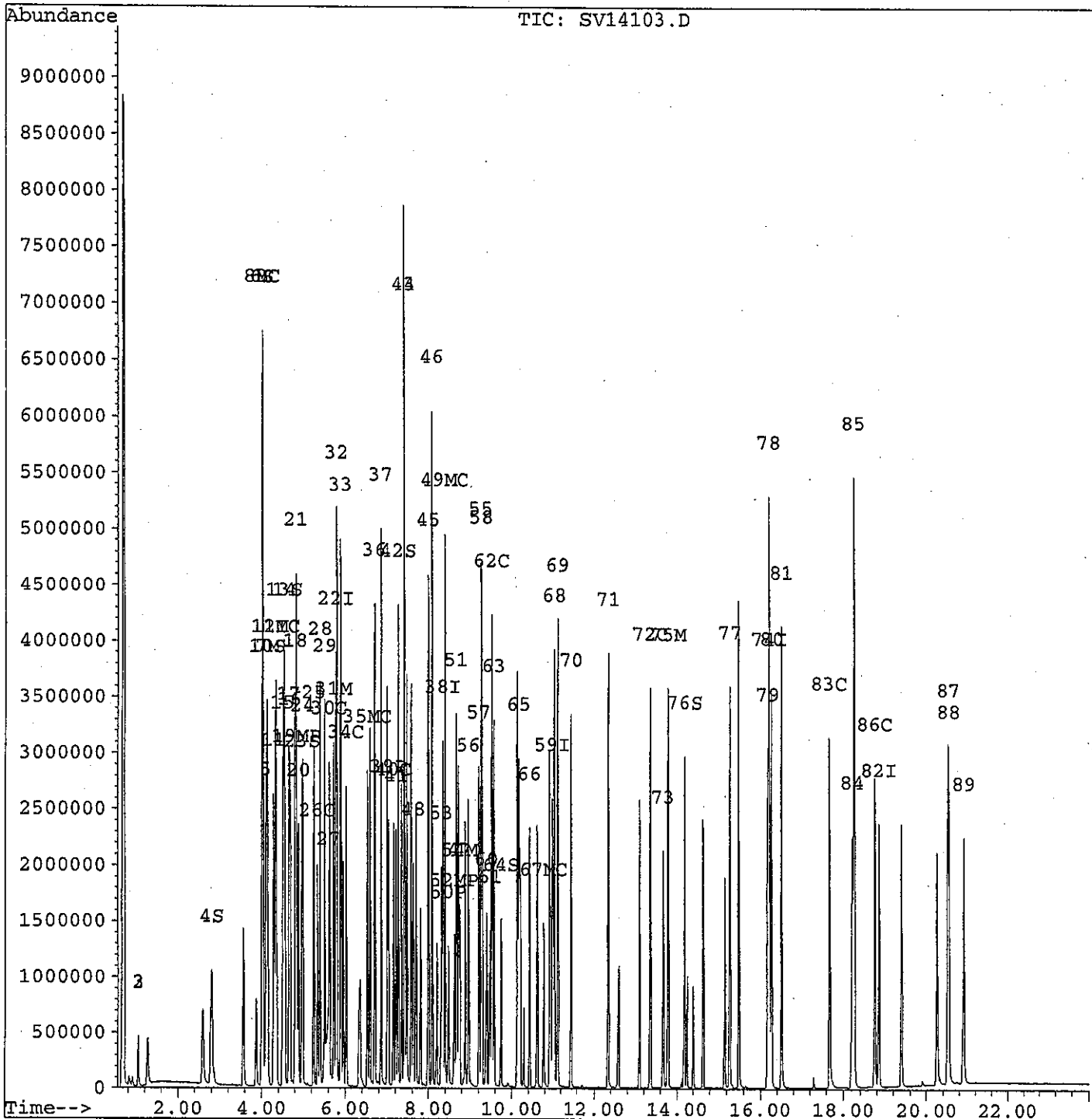
| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|-------|--------|--------|
| 49) Acenaphthene | 8.40 | 153 | 1651902 | 49.55 | ng/uL | 99 |
| 50) 2,4-Dinitrophenol | 8.48 | 184 | 330601 | 46.17 | ng/uL | 90 |
| 51) Dibenzofuran | 8.67 | 168 | 2357870 | 49.89 | ng/uL | 94 |
| 52) 4-Nitrophenol | 8.62 | 65 | 399091 | 54.41 | ng/uL | 85 |
| 53) 3-Nitroaniline | 8.31 | 65 | 687529 | 53.48 | ng/uL | 93 |
| 54) 2,4-Dinitrotoluene | 8.76 | 165 | 618819 | 49.71 | ng/uL | 78 |
| 55) Fluorene | 9.27 | 166 | 1898224 | 51.52 | ng/uL | 98 |
| 56) 2,3,4,6-Tetrachlorophenol | 8.96 | 232 | 470409 | 49.85 | ng/uL | 97 |
| 57) Diethylphthalate | 9.22 | 149 | 1926053 | 49.92 | ng/uL | 96 |
| 58) 4-Chloro-phenyl-phenyl eth | 9.29 | 204 | 894504 | 52.51 | ng/uL | 92 |
| 60) 4-Nitroaniline | 9.40 | 138 | 640361 | 49.98 | ng/uL | 90 |
| 61) 4,6-Dinitro-2-Methylphenol | 9.48 | 198 | 423248 | 44.49 | ng/uL | 96 |
| 62) N-nitrosodiphenylamine | 9.53 | 169 | 1594096 | 50.73 | ng/uL | 99 |
| 63) Azobenzene | 9.58 | 77 | 2357524 | 49.57 | ng/uL | 93 |
| 65) 4-Bromophenyl-phenylether | 10.18 | 248 | 501234 | 49.37 | ng/uL# | 77 |
| 66) Hexachlorobenzene | 10.44 | 284 | 548807 | 47.36 | ng/uL | 88 |
| 67) Pentachlorophenol | 10.78 | 266 | 293912 | 41.49 | ng/uL | 99 |
| 68) Phenanthrene | 11.05 | 178 | 2471368 | 48.59 | ng/uL | 99 |
| 69) Anthracene | 11.12 | 178 | 2484873 | 49.19 | ng/uL | 99 |
| 70) Carbazole | 11.46 | 167 | 2469756 | 50.11 | ng/uL | 99 |
| 71) Di-n-butylphthalate | 12.34 | 149 | 3283980 | 47.90 | ng/uL | 99 |
| 72) Fluoranthene | 13.35 | 202 | 2328239 | 46.50 | ng/uL | 96 |
| 73) Benzidine | 13.67 | 184 | 1304964 | 49.59 | ng/uL | 96 |
| 75) Pyrene | 13.78 | 202 | 2435655 | 53.15 | ng/uLm | 89 |
| 77) Butylbenzylphthalate | 15.27 | 149 | 1421484 | 51.51 | ng/uL | 95 |
| 78) 3,3'-Dichlorobenzidine | 16.21 | 252 | 860489 | 52.97 | ng/uL | 97 |
| 79) Benzo(a)anthracene | 16.18 | 228 | 2108084 | 47.31 | ng/uL | 99 |
| 80) Chrysene | 16.27 | 228 | 1910591 | 47.84 | ng/uL | 99 |
| 81) bis(2-Ethylhexyl)phthalate | 16.51 | 149 | 1789834 | 48.48 | ng/uL | 97 |
| 83) Di-n-octylphthalate | 17.67 | 149 | 2995820 | 49.27 | ng/uL | 100 |
| 84) Benzo(b)fluoranthene | 18.21 | 252 | 2084391 | 40.82 | ng/uLm | 94 |
| 85) Benzo(k)fluoranthene | 18.25 | 252 | 1815728 | 54.66 | ng/uL | 97 |
| 86) Benzo(a)pyrene | 18.75 | 252 | 1777148 | 47.41 | ng/uL | 99 |
| 87) Indeno(1,2,3-Cd)Pyrene | 20.52 | 276 | 1987743 | 44.51 | ng/uL | 88 |
| 88) Dibenzo(a,h)Anthracene | 20.55 | 278 | 1688286 | 46.48 | ng/uL | 88 |
| 89) Benzo(g,h,i)perylene | 20.92 | 276 | 1658215 | 45.02 | ng/uL | 91 |

(#) = qualifier out of range (m) = manual integration
 SV14103.D SV1NJ.M Thu Aug 17 08:29:07 2006

Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\MD081406\SV14103.D Vial: 2
Acq On : 14 Aug 106 8:07 pm Operator: VSC
Sample : BPH0158-CCV1 Inst : SVOA-MS1
Misc : Multiplr: 1.00
Quant Time: Aug 15 17:08 19106

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
Title : ELEMENT ID: 0607036(SOIL) 0607037(AQUEOUS)
Last Update : Tue Aug 15 08:47:34 2006
Response via : Multiple Level Calibration



Evaluate Continuing Calibration Report

Data File : Q:\SVOA\MS1_MD\MD0806\MD081406\SV14103.D Vial: 2
 Acq On : 14 Aug 106 8:07 pm Operator: VSC
 Sample : BPH0158-CCV1 Inst : SVOA-MS1
 Misc : Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
 Title : ELEMENT ID: 0607036(SOIL) 0607037(AQUEOUS)
 Last Update : Tue Aug 15 08:47:34 2006
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|-------|-------------------------------|-------|-------|-------|-------|----------|
| 1 I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 169 | 0.00 |
| 2 | N-Nitrosodimethylamine | 0.104 | 0.117 | -12.6 | 179 | 0.00 |
| 3 | Pyridine | 0.181 | 0.205 | -13.3 | 175 | 0.00 |
| 4 S | 2-Fluorophenol (SURR) | 1.502 | 1.526 | -1.6 | 168 | 0.00 |
| 5 | bis(2-Chloroethyl)ether | 1.554 | 1.566 | -0.8 | 163 | 0.00 |
| 6 S | Phenol-d5 (SURR) | 1.912 | 1.969 | -3.0 | 167 | 0.00 |
| 7 M | 2-Chlorophenol | 1.548 | 1.556 | -0.6 | 164 | 0.00 |
| 8 MC | Phenol | 2.274 | 2.321 | -2.1 | 164 | -0.01 |
| 9 | Aniline | 2.370 | 2.433 | -2.6 | 167 | 0.00 |
| 10 S | 2-Chlorophenol-d4 (SURR) | 1.479 | 1.489 | -0.6 | 163 | 0.00 |
| 11 | 1,3-Dichlorobenzene | 1.516 | 1.500 | 1.1 | 161 | 0.00 |
| 12 MC | 1,4-Dichlorobenzene | 1.554 | 1.590 | -2.3 | 171 | 0.01 |
| 13 S | 1,2 Dichlorobenzene-d4 (SURR) | 0.870 | 0.906 | -4.1 | 165 | 0.00 |
| 14 | 1,2-Dichlorobenzene | 1.418 | 1.442 | -1.7 | 165 | 0.00 |
| 15 | Benzyl Alcohol | 1.095 | 1.161 | -6.0 | 172 | 0.00 |
| 16 | bis(2-chloroisopropyl)Ether | 2.266 | 2.356 | -4.0 | 169 | 0.00 |
| 17 | 2-Methylphenol | 1.377 | 1.409 | -2.3 | 168 | 0.00 |
| 18 | Acetophenone | 1.770 | 1.833 | -3.6 | 169 | 0.00 |
| 19 MP | N-Nitroso-Di-n-Propylamine | 1.053 | 1.101 | -4.6 | 167 | 0.00 |
| 20 | Hexachloroethane | 0.626 | 0.642 | -2.5 | 168 | 0.00 |
| 21 | 3+4-Methylphenol | 1.471 | 1.524 | -3.6 | 167 | 0.00 |
| 22 I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 171 | 0.00 |
| 23 S | Nitrobenzene-d5 (SURR) | 0.366 | 0.375 | -2.3 | 169 | 0.00 |
| 24 | Nitrobenzene | 0.379 | 0.379 | 0.2 | 167 | 0.00 |
| 25 | Isophorone | 0.721 | 0.716 | 0.7 | 166 | 0.00 |
| 26 C | 2-Nitrophenol | 0.239 | 0.234 | 2.1 | 165 | 0.00 |
| 27 | Benzoic Acid | 0.290 | 0.263 | 9.4 | 152 | -0.02 |
| 28 | 2,4-Dimethylphenol | 0.330 | 0.342 | -3.4 | 171 | 0.00 |
| 29 | bis(2-Chloroethoxy)methane | 0.474 | 0.470 | 0.9 | 167 | 0.00 |
| 30 C | 2,4-Dichlorophenol | 0.283 | 0.282 | 0.5 | 167 | 0.00 |
| 31 M | 1,2,4-Trichlorobenzene | 0.298 | 0.297 | 0.3 | 168 | 0.00 |
| 32 | Naphthalene | 1.024 | 1.017 | 0.6 | 165 | 0.00 |
| 33 | 4-Chloroaniline | 0.470 | 0.488 | -3.7 | 166 | 0.00 |
| 34 C | Hexachlorobutadiene | 0.136 | 0.144 | -5.8 | 169 | 0.00 |
| 35 MC | 4-Chloro-3-Methylphenol | 0.286 | 0.297 | -3.9 | 170 | 0.00 |
| 36 | 2-Methylnaphthalene | 0.621 | 0.631 | -1.7 | 167 | 0.00 |
| 37 | 1-Methylnaphthalene | 0.614 | 0.634 | -3.2 | 167 | 0.00 |
| 38 I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 178 | 0.00 |
| 39 P | Hexachlorocyclopentadiene | 0.347 | 0.327 | 6.0 | 151 | 0.01 |
| 40 C | 2,4,6-Trichlorophenol | 0.416 | 0.407 | 2.2 | 167 | 0.00 |
| 41 | 2,4,5-Trichlorophenol | 0.430 | 0.445 | -3.7 | 167 | 0.00 |
| 42 S | 2-Fluorobiphenyl (SURR) | 1.314 | 1.341 | -2.1 | 167 | 0.00 |
| 43 | Biphenyl | 1.444 | 1.516 | -5.0 | 161 | 0.00 |
| 44 | 2-Chloronaphthalene | 1.338 | 1.366 | -2.1 | 165 | -0.04 |
| 45 | Dimethylphthalate | 1.371 | 1.366 | 0.4 | 168 | 0.00 |
| 46 | Acenaphthylene | 1.931 | 1.959 | -1.5 | 163 | 0.01 |
| 47 | 2,6-Dinitrotoluene | 0.440 | 0.437 | 0.6 | 166 | 0.00 |
| 48 | 2-Nitroaniline | 0.404 | 0.390 | 3.5 | 172 | 0.00 |
| 49 MC | Acenaphthene | 1.177 | 1.167 | 0.9 | 161 | 0.00 |
| 50 P | 2,4-Dinitrophenol | 0.224 | 0.234 | -4.4 | 160 | 0.00 |
| 51 | Dibenzofuran | 1.669 | 1.665 | 0.2 | 166 | 0.00 |
| 52 MP | 4-Nitrophenol | 0.259 | 0.282 | -8.8 | 179 | -0.02 |
| 53 | 3-Nitroaniline | 0.454 | 0.486 | -7.0 | 177 | -0.01 |

(#) = Out of Range

SV14103.D SV1NJ.M

Thu Aug 17 08:30:53 2006

Page 1

Evaluate Continuing Calibration Report

Data File : Q:\SVOA\MS1_MD\MD0806\MD081406\SV14103.D Vial: 2
 Acq On : 14 Aug 106 8:07 pm Operator: VSC
 Sample : BPH0158-CCV1 Inst : SVOA-MS1
 Misc : Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
 Title : ELEMENT ID: 0607036(SOIL) 0607037(AQUEOUS)
 Last Update : Tue Aug 15 08:47:34 2006
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev (min) | |
|----------|-----------------------------|-------|-------|-------|-----------|-------|
| 54 M | 2,4-Dinitrotoluene | 0.440 | 0.437 | 0.6 | 166 | 0.00 |
| 55 | Fluorene | 1.301 | 1.341 | -3.0 | 164 | 0.00 |
| 56 | 2,3,4,6-Tetrachlorophenol | 0.333 | 0.332 | 0.3 | 163 | 0.00 |
| 57 | Diethylphthalate | 1.363 | 1.360 | 0.2 | 165 | 0.00 |
| 58 | 4-Chloro-phenyl-phenyl ethe | 0.602 | 0.632 | -5.0 | 165 | 0.00 |
| 59 I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 175 | 0.00 |
| 60 | 4-Nitroaniline | 0.299 | 0.299 | 0.0 | 168 | -0.01 |
| 61 | 4,6-Dinitro-2-Methylphenol | 0.206 | 0.198 | 4.0 | 158 | 0.00 |
| 62 C | N-nitrosodiphenylamine | 0.734 | 0.745 | -1.5 | 168 | 0.00 |
| 63 | Azobenzene | 1.111 | 1.101 | 0.9 | 163 | 0.00 |
| 64 S | 2,4,6-Tribromophenol (SURR) | 0.144 | 0.140 | 2.7 | 160 | 0.00 |
| 65 | 4-Bromophenyl-phenylether | 0.237 | 0.234 | 1.3 | 164 | 0.00 |
| 66 | Hexachlorobenzene | 0.271 | 0.256 | 5.3 | 160 | 0.00 |
| 67 MC | Pentachlorophenol | 0.151 | 0.137 | 9.2 | 142 | 0.00 |
| 68 | Phenanthrene | 1.188 | 1.155 | 2.8 | 162 | 0.00 |
| 69 | Anthracene | 1.180 | 1.161 | 1.6 | 158 | 0.00 |
| 70 | Carbazole | 1.151 | 1.154 | -0.2 | 164 | 0.00 |
| 71 | Di-n-butylphthalate | 1.602 | 1.534 | 4.2 | 157 | 0.01 |
| 72 C | Fluoranthene | 1.170 | 1.088 | 7.0 | 153 | 0.00 |
| 73 | Benzidine | 0.523 | 0.610 | -16.5 | 168 | 0.00 |
| 74 I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 155 | 0.00 |
| 75 M | Pyrene | 1.284 | 1.365 | -6.3 | 161 | 0.43 |
| 76 S | Terphenyl-d14 (SURR) | 0.851 | 0.880 | -3.3 | 151 | 0.00 |
| 77 | Butylbenzylphthalate | 0.773 | 0.797 | -3.0 | 152 | 0.00 |
| 78 | 3,3'-Dichlorobenzidine | 0.425 | 0.482 | -13.6 | 155 | 0.00 |
| 79 | Benzo(a)anthracene | 1.249 | 1.182 | 5.4 | 140 | -0.01 |
| 80 | Chrysene | 1.119 | 1.071 | 4.3 | 142 | -0.01 |
| 81 | bis(2-Ethylhexyl)phthalate | 0.981 | 1.003 | -2.3 | 145 | 0.00 |
| 82 I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 148 | -0.02 |
| 83 C | Di-n-octylphthalate | 1.725 | 1.894 | -9.8 | 146 | 0.00 |
| 84 | Benzo(b)fluoranthene | 1.474 | 1.318 | 10.6 | 122 | -0.03 |
| 85 | Benzo(k)fluoranthene | 1.073 | 1.148 | -7.0 | 148 | -0.03 |
| 86 C | Benzo(a)pyrene | 1.116 | 1.123 | -0.7 | 138 | -0.02 |
| 87 | Indeno(1,2,3-Cd)Pyrene | 1.235 | 1.256 | -1.8 | 127 | -0.04 |
| 88 | Dibenzo(a,h)Anthracene | 0.994 | 1.067 | -7.4 | 133 | -0.03 |
| 89 | Benzo(g,h,i)perylene | 1.061 | 1.048 | 1.2 | 131 | -0.02 |

SURROGATE STANDARD RECOVERY AND RT SUMMARY

8270C

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Sequence: BPH0158

Instrument: SVOA-MS1

Matrix: Solid

Calibration: 0608031

| Surrogate Compound | Spike Level mg/L | % Recovery | Recovery Limits | RT | Calibration Mean RT | RT Diff | RT Diff Limit | Q |
|---|------------------|------------|------------------------|-------|--------------------------|---------|---------------|---|
| Calibration Check (BPH0158-CCV1) | | | Lab File ID: SV14103.D | | Analyzed: 08/14/06 20:07 | | | |
| 1,2-Dichlorobenzene-d4 | 50.0 | 104 | 70 - 130 | 4.53 | 4.57 | -0.0400 | +/-1.0 | |
| 2,4,6-Tribromophenol | 50.0 | 91 | 70 - 130 | 9.75 | 9.8025 | -0.0525 | +/-1.0 | |
| 2-Chlorophenol-d4 | 50.0 | 101 | 70 - 130 | 4.13 | 4.16875 | -0.0388 | +/-1.0 | |
| 2-Fluorobiphenyl | 50.0 | 102 | 70 - 130 | 7.27 | 7.32125 | -0.0513 | +/-1.0 | |
| 2-Fluorophenol | 50.0 | 102 | 70 - 130 | 2.8 | 2.84375 | -0.0438 | +/-1.0 | |
| Nitrobenzene-d5 | 50.0 | 102 | 70 - 130 | 4.96 | 5.00875 | -0.0488 | +/-1.0 | |
| Phenol-d6 | 50.0 | 103 | 70 - 130 | 4.01 | 4.05 | -0.0400 | +/-1.0 | |
| p-Terphenyl-d14 | 50.0 | 103 | 70 - 130 | 14.18 | 14.2412 | -0.0612 | +/-1.0 | |
| Blank (BH61402-BLK1) | | | Lab File ID: SV14110.D | | Analyzed: 08/14/06 23:42 | | | |
| 1,2-Dichlorobenzene-d4 | 5000 | 69 | 30 - 130 | 4.53 | 4.57 | -0.0400 | +/-1.0 | |
| 2,4,6-Tribromophenol | 7500 | 77 | 30 - 130 | 9.74 | 9.8025 | -0.0625 | +/-1.0 | |
| 2-Chlorophenol-d4 | 7500 | 67 | 30 - 130 | 4.13 | 4.16875 | -0.0388 | +/-1.0 | |
| 2-Fluorobiphenyl | 5000 | 74 | 30 - 130 | 7.26 | 7.32125 | -0.0613 | +/-1.0 | |
| 2-Fluorophenol | 7500 | 65 | 30 - 130 | 2.83 | 2.84375 | -0.0137 | +/-1.0 | |
| Nitrobenzene-d5 | 5000 | 68 | 30 - 130 | 4.96 | 5.00875 | -0.0488 | +/-1.0 | |
| Phenol-d6 | 7500 | 66 | 30 - 130 | 4.02 | 4.05 | -0.0300 | +/-1.0 | |
| p-Terphenyl-d14 | 5000 | 97 | 30 - 130 | 14.19 | 14.2412 | -0.0512 | +/-1.0 | |
| LCS (BH61402-BS1) | | | Lab File ID: SV14111.D | | Analyzed: 08/15/06 00:13 | | | |
| 1,2-Dichlorobenzene-d4 | 5000 | 86 | 30 - 130 | 4.54 | 4.57 | -0.0300 | +/-1.0 | |
| 2,4,6-Tribromophenol | 7500 | 96 | 30 - 130 | 9.77 | 9.8025 | -0.0325 | +/-1.0 | |
| 2-Chlorophenol-d4 | 7500 | 85 | 30 - 130 | 4.14 | 4.16875 | -0.0288 | +/-1.0 | |
| 2-Fluorobiphenyl | 5000 | 91 | 30 - 130 | 7.27 | 7.32125 | -0.0513 | +/-1.0 | |
| 2-Fluorophenol | 7500 | 83 | 30 - 130 | 2.83 | 2.84375 | -0.0137 | +/-1.0 | |
| Nitrobenzene-d5 | 5000 | 87 | 30 - 130 | 4.97 | 5.00875 | -0.0388 | +/-1.0 | |
| Phenol-d6 | 7500 | 85 | 30 - 130 | 4.03 | 4.05 | -0.0200 | +/-1.0 | |
| p-Terphenyl-d14 | 5000 | 105 | 30 - 130 | 14.19 | 14.2412 | -0.0512 | +/-1.0 | |

SURROGATE STANDARD RECOVERY AND RT SUMMARY

8270C

| | | | |
|-------------|--|--------------|-------------------------------|
| Laboratory: | <u>ESS Laboratory</u> | SDG: | <u>0608248</u> |
| Client: | <u>MACTEC Engineering & Consulting, Inc.</u> | Project: | <u>Providence Gorham Site</u> |
| Sequence: | <u>BPH0158</u> | Instrument: | <u>SVOA-MS1</u> |
| Matrix: | <u>Solid</u> | Calibration: | <u>0608031</u> |

| Surrogate Compound | Spike Level ug/Kg | % Recovery | Recovery Limits | RT | Calibration Mean RT | RT Diff | RT Diff Limit | Q |
|--------------------------------|-------------------|------------------------|-----------------|-------|--------------------------|---------|---------------|---|
| LCS Dup (BH61402-BSD1) | | Lab File ID: SV14112.D | | | Analyzed: 08/15/06 00:44 | | | |
| 1,2-Dichlorobenzene-d4 | 5000 | 81 | 30 - 130 | 4.54 | 4.57 | -0.0300 | +/-1.0 | |
| 2,4,6-Tribromophenol | 7500 | 86 | 30 - 130 | 9.76 | 9.8025 | -0.0425 | +/-1.0 | |
| 2-Chlorophenol-d4 | 7500 | 79 | 30 - 130 | 4.14 | 4.16875 | -0.0288 | +/-1.0 | |
| 2-Fluorobiphenyl | 5000 | 84 | 30 - 130 | 7.27 | 7.32125 | -0.0513 | +/-1.0 | |
| 2-Fluorophenol | 7500 | 77 | 30 - 130 | 2.83 | 2.84375 | -0.0137 | +/-1.0 | |
| Nitrobenzene-d5 | 5000 | 80 | 30 - 130 | 4.97 | 5.00875 | -0.0388 | +/-1.0 | |
| Phenol-d6 | 7500 | 78 | 30 - 130 | 4.03 | 4.05 | -0.0200 | +/-1.0 | |
| p-Terphenyl-d14 | 5000 | 95 | 30 - 130 | 14.19 | 14.2412 | -0.0512 | +/-1.0 | |

INTERNAL STANDARD AREA AND RT SUMMARY
8270C

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Sequence: BPH0158

Instrument: SVOA-MS1

Matrix: Solid

Calibration: 0608031

| Internal Standard | Response | RT | Reference Response | Reference RT | Area % | Area % Limits | RT Diff | RT Diff Limit | Q |
|-----------------------------------|----------|-------|------------------------|--------------|--------|--------------------------|---------|---------------|---|
| Blank (BH61402-BLK1) | | | | | | | | | |
| | | | Lab File ID: SV14110.D | | | Analyzed: 08/14/06 23:42 | | | |
| 1,4-Dichlorobenzene-d4 | 766978 | 4.32 | 641264 | 4.33 | 120 | 50 - 200 | -0.0100 | +/-0.50 | |
| Naphthalene-d8 | 2954985 | 5.76 | 2440706 | 5.77 | 121 | 50 - 200 | -0.0100 | +/-0.50 | |
| Acenaphthene-d10 | 1336957 | 8.34 | 1132637 | 8.35 | 118 | 50 - 200 | -0.0100 | +/-0.50 | |
| Phenanthrene-d10 | 1981555 | 10.99 | 1712264 | 11 | 116 | 50 - 200 | -0.0100 | +/-0.50 | |
| Chrysene-d12 | 1496365 | 16.21 | 1427218 | 16.22 | 105 | 50 - 200 | -0.0100 | +/-0.50 | |
| Perylene-d12 | 1395677 | 18.85 | 1265600 | 18.85 | 110 | 50 - 200 | 0.0000 | +/-0.50 | |
| LCS (BH61402-BS1) | | | | | | | | | |
| | | | Lab File ID: SV14111.D | | | Analyzed: 08/15/06 00:13 | | | |
| 1,4-Dichlorobenzene-d4 | 637366 | 4.33 | 641264 | 4.33 | 99 | 50 - 200 | 0.0000 | +/-0.50 | |
| Naphthalene-d8 | 2369824 | 5.78 | 2440706 | 5.77 | 97 | 50 - 200 | 0.0100 | +/-0.50 | |
| Acenaphthene-d10 | 1120265 | 8.34 | 1132637 | 8.35 | 99 | 50 - 200 | -0.0100 | +/-0.50 | |
| Phenanthrene-d10 | 1672336 | 11.01 | 1712264 | 11 | 98 | 50 - 200 | 0.0100 | +/-0.50 | |
| Chrysene-d12 | 1436867 | 16.22 | 1427218 | 16.22 | 101 | 50 - 200 | 0.0000 | +/-0.50 | |
| Perylene-d12 | 1261164 | 18.86 | 1265600 | 18.85 | 100 | 50 - 200 | 0.0100 | +/-0.50 | |
| LCS Dup (BH61402-BSD1) | | | | | | | | | |
| | | | Lab File ID: SV14112.D | | | Analyzed: 08/15/06 00:44 | | | |
| 1,4-Dichlorobenzene-d4 | 652390 | 4.33 | 641264 | 4.33 | 102 | 50 - 200 | 0.0000 | +/-0.50 | |
| Naphthalene-d8 | 2455934 | 5.78 | 2440706 | 5.77 | 101 | 50 - 200 | 0.0100 | +/-0.50 | |
| Acenaphthene-d10 | 1136827 | 8.35 | 1132637 | 8.35 | 100 | 50 - 200 | 0.0000 | +/-0.50 | |
| Phenanthrene-d10 | 1685803 | 11 | 1712264 | 11 | 98 | 50 - 200 | 0.0000 | +/-0.50 | |
| Chrysene-d12 | 1443446 | 16.22 | 1427218 | 16.22 | 101 | 50 - 200 | 0.0000 | +/-0.50 | |
| Perylene-d12 | 1279525 | 18.86 | 1265600 | 18.85 | 101 | 50 - 200 | 0.0100 | +/-0.50 | |
| Matrix Spike (BH61402-MS1) | | | | | | | | | |
| | | | Lab File ID: SV14118.D | | | Analyzed: 08/15/06 03:48 | | | |
| 1,4-Dichlorobenzene-d4 | 731931 | 4.33 | 641264 | 4.33 | 114 | 50 - 200 | 0.0000 | +/-0.50 | |
| Naphthalene-d8 | 2811626 | 5.78 | 2440706 | 5.77 | 115 | 50 - 200 | 0.0100 | +/-0.50 | |
| Acenaphthene-d10 | 1295516 | 8.35 | 1132637 | 8.35 | 114 | 50 - 200 | 0.0000 | +/-0.50 | |
| Phenanthrene-d10 | 1969859 | 11 | 1712264 | 11 | 115 | 50 - 200 | 0.0000 | +/-0.50 | |
| Chrysene-d12 | 1638592 | 16.24 | 1427218 | 16.22 | 115 | 50 - 200 | 0.0200 | +/-0.50 | |
| Perylene-d12 | 1054885 | 18.86 | 1265600 | 18.85 | 83 | 50 - 200 | 0.0100 | +/-0.50 | |

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

8270C

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Lab File ID: SV140338.D

Injection Date: 08/09/06

Instrument ID: SVOA-MS1

Injection Time: 10:30

Sequence: BPH0117

Lab Sample ID: BPH0117-TUN1

Calibration: 0608031

| m/z | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE | |
|-----|------------------------------------|----------------------|------|
| 70 | Less than 2% of 69 | 0 | PASS |
| 69 | Less than 100% of 198 | 49.8 | PASS |
| 68 | Less than 2% of 69 | 0 | PASS |
| 51 | 30 - 60% of 198 | 33.5 | PASS |
| 443 | 17 - 23% of 442 | 20.1 | PASS |
| 442 | 40 - 110% of 198 | 64 | PASS |
| 441 | 0.01 - 100% of 443 | 73 | PASS |
| 365 | 1 - 100% of 198 | 1.31 | PASS |
| 275 | 10 - 30% of 198 | 17 | PASS |
| 199 | 5 - 9% of 198 | 6.71 | PASS |
| 198 | Base peak, 100% relative abundance | 100 | PASS |
| 197 | Less than 1% of 198 | 0 | PASS |
| 127 | 40 - 60% of 198 | 44.8 | PASS |

Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\080906\SV140338.D Vial: 1
 Acq On : 9 Aug 106 10:30 am Operator: JLS
 Sample : BPH0116-TUN1 Inst : SVOA-MS1
 Misc : Multiplr: 1.00
 Quant Time: Aug 17 16:00 19106

Method : C:\HPCHEM\1\METHODS\DFTPP.M
 Title : daily instrument eval mix
 Last Update : Wed Aug 16 10:44:30 2006
 Response via : Single Level Calibration

Internal Standards R.T. QIon Response Conc Units Dev(Min)

System Monitoring Compounds

%Recovery

Target Compounds

Qvalue

| Target Compounds | R.T. | QIon | Response | Conc | Units | Dev(Min) | %Recovery | Qvalue |
|----------------------|-------|------|----------|--------|-------|----------|-----------|--------|
| 1) Pentachlorophenol | 7.11 | 266 | 267204 | 112.99 | | | | 99 |
| 2) Dftpp | 7.81 | 198 | 354301 | 80.86 | # | 66 | | 66 |
| 3) Benzidine | 9.01 | 184 | 1303911 | 72.98 | | 96 | | 96 |
| 4) DDT | 10.16 | 0 | 2822246 | 84.66 | # | 100 | | 100 |
| 5) DDE | 9.30 | 0 | 8983 | 53.34 | m | 100 | | 100 |
| 6) DDD | 9.72 | 0 | 85002 | 33.48 | # | 100 | | 100 |

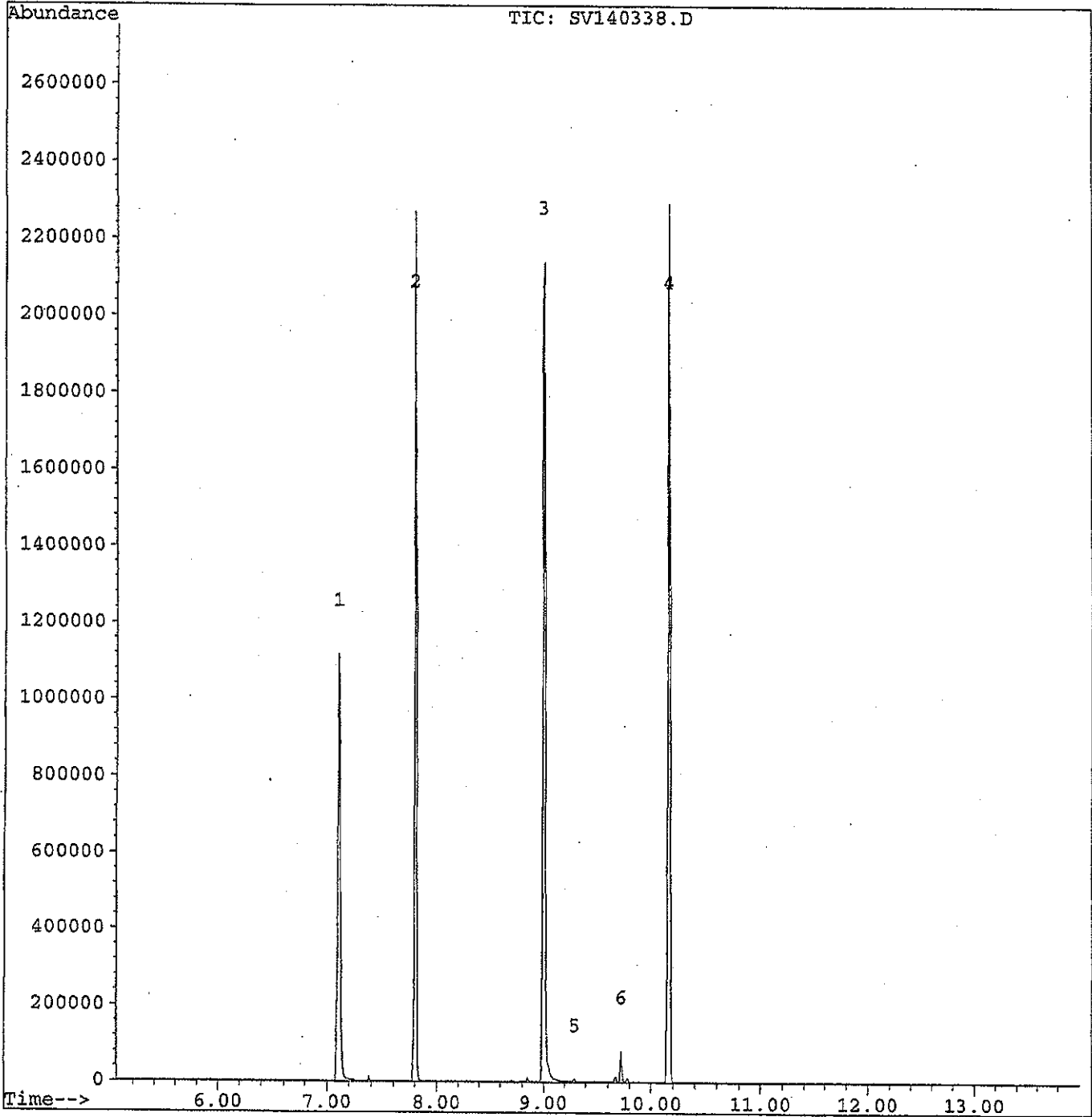
DDT Breakdown = 3.2%

Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\080906\SV140338.D
Acq On : 9 Aug 106 10:30 am
Sample : BPH0116-TUN1
Misc :
Quant Time: Aug 17 16:00 19106

Vial: 1
Operator: JLS
Inst : SVOA-MS1
Multiplr: 1.00

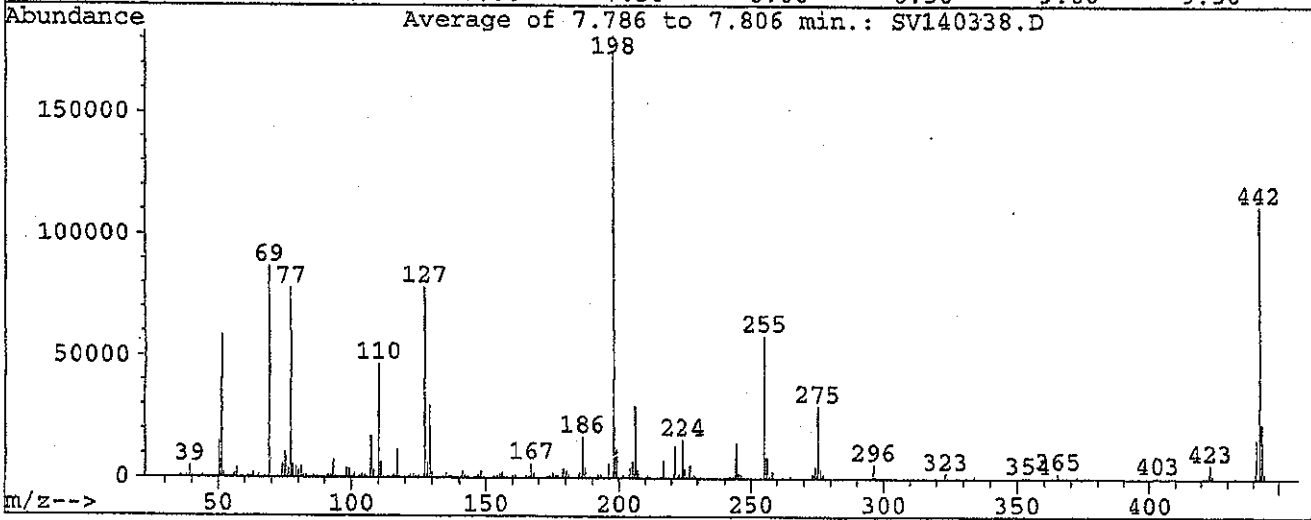
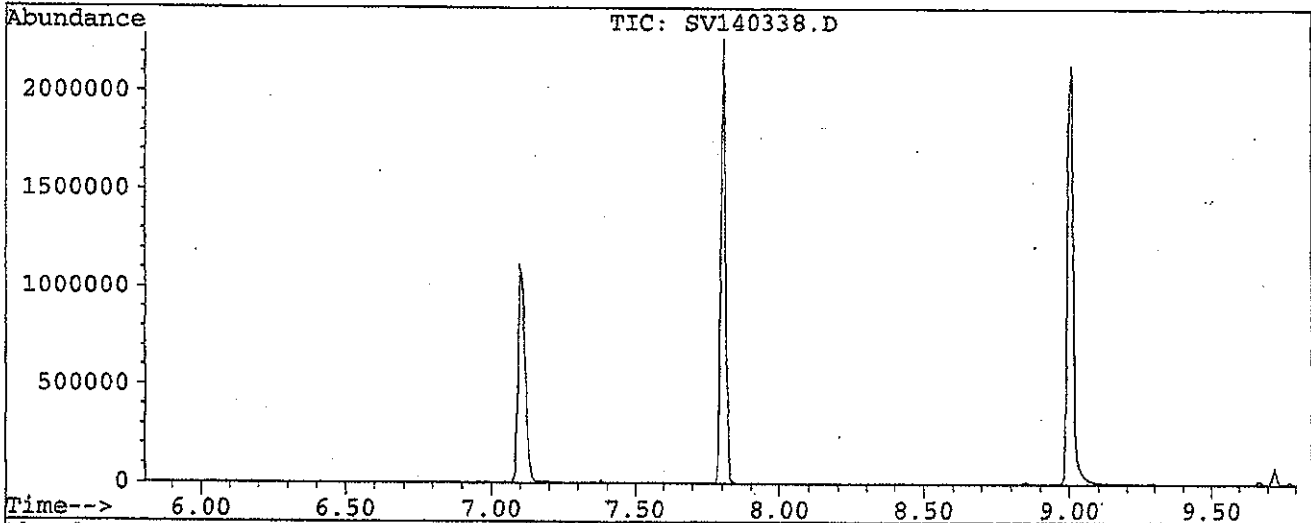
Method : C:\HPCHEM\1\METHODS\DFTPP.M
Title : daily instrument eval mix
Last Update : Wed Aug 16 10:44:30 2006
Response via : Single Level Calibration



DFTPP CLP

Data File : Q:\SVOA\MS1_MD\MD0806\080906\SV140338.D Vial: 1
 Acq On : 9 Aug 106 10:30 am Operator: JLS
 Sample : BFH0116-TUN1 Inst : SVOA-MS1
 Misc : Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\DFTPP.M
 Title : daily instrument eval mix



Peak Apex is scan: 279

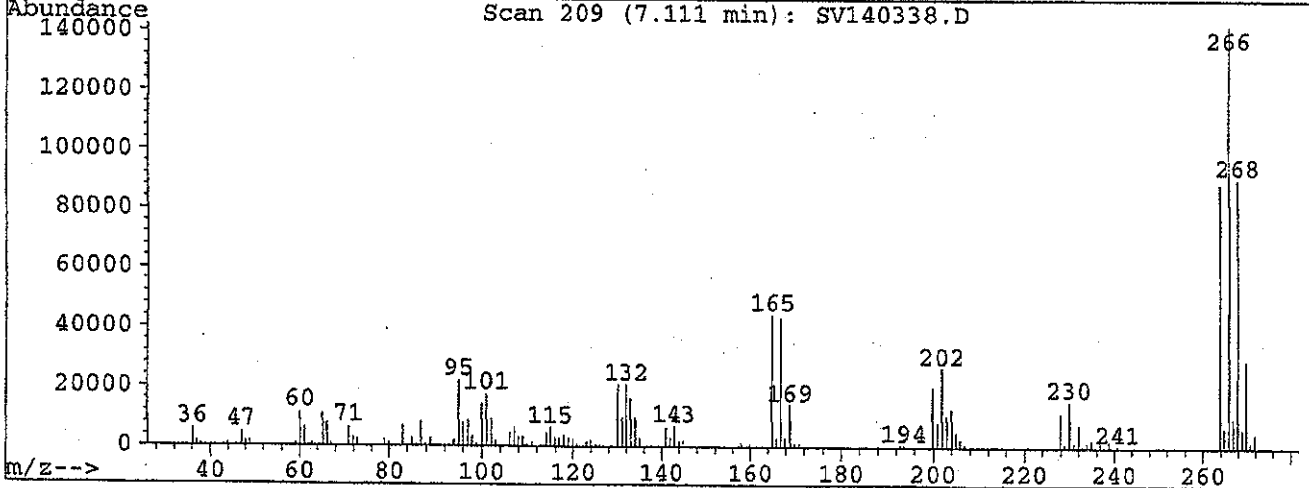
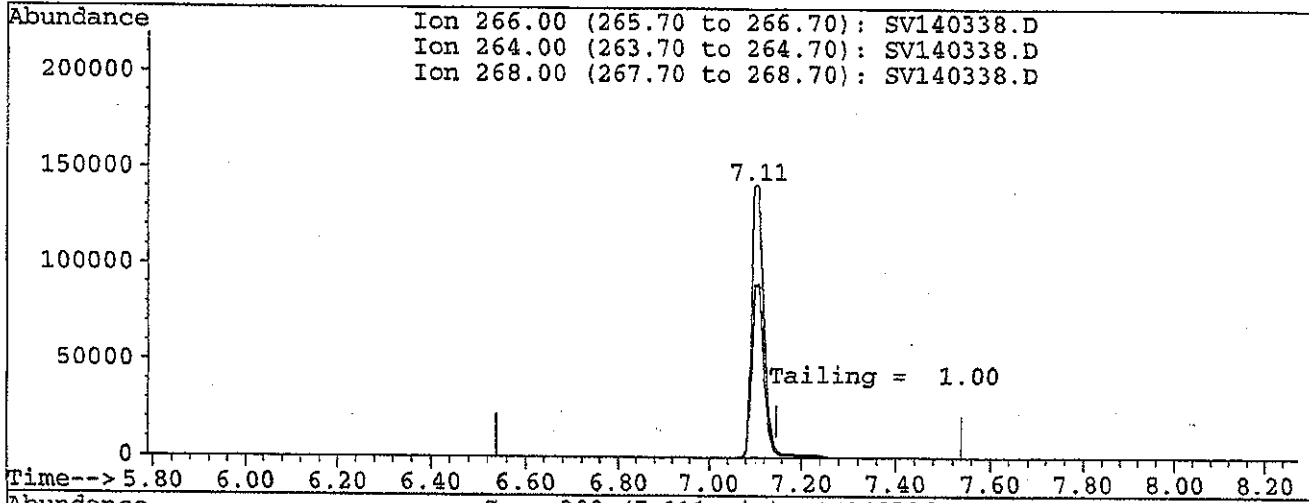
| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|-------------|--------------|--------------|--------------|-----------|---------|------------------|
| 51 | 198 | 30 | 60 | 33.5 | 58368 | PASS |
| 68 | 69 | 0 | 2 | 0.0 | 0 | PASS |
| 69 | 198 | 0 | 100 | 49.8 | 86747 | PASS |
| 70 | 69 | 0 | 2 | 0.0 | 0 | PASS |
| 127 | 198 | 40 | 60 | 44.8 | 78013 | PASS |
| 197 | 198 | 0 | 1 | 0.0 | 0 | PASS |
| 198 | 198 | 100 | 100 | 100.0 | 174179 | PASS |
| 199 | 198 | 5 | 9 | 6.7 | 11694 | PASS |
| 275 | 198 | 10 | 30 | 17.0 | 29543 | PASS |
| 365 | 198 | 1 | 100 | 1.3 | 2274 | PASS |
| 441 | 443 | 0 | 100 | 73.0 | 16321 | PASS |
| 442 | 198 | 40 | 110 | 64.0 | 111522 | PASS |
| 443 | 442 | 17 | 23 | 20.1 | 22361 | PASS |

Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\080906\SV140338.D
 Acq On : 9 Aug 106 10:30 am
 Sample : BPH0116-TUN1
 Misc :
 Quant Time: Aug 17 15:58 19106

Vial: 1
 Operator: JLS
 Inst : SVOA-MS1
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\DFTPP.M
 Title : daily instrument eval mix
 Last Update : Wed Aug 16 10:44:30 2006
 Response via : Single Level Calibration



TIC: SV140338.D

(1) Pentachlorophenol

7.11min 112.99

response 267204

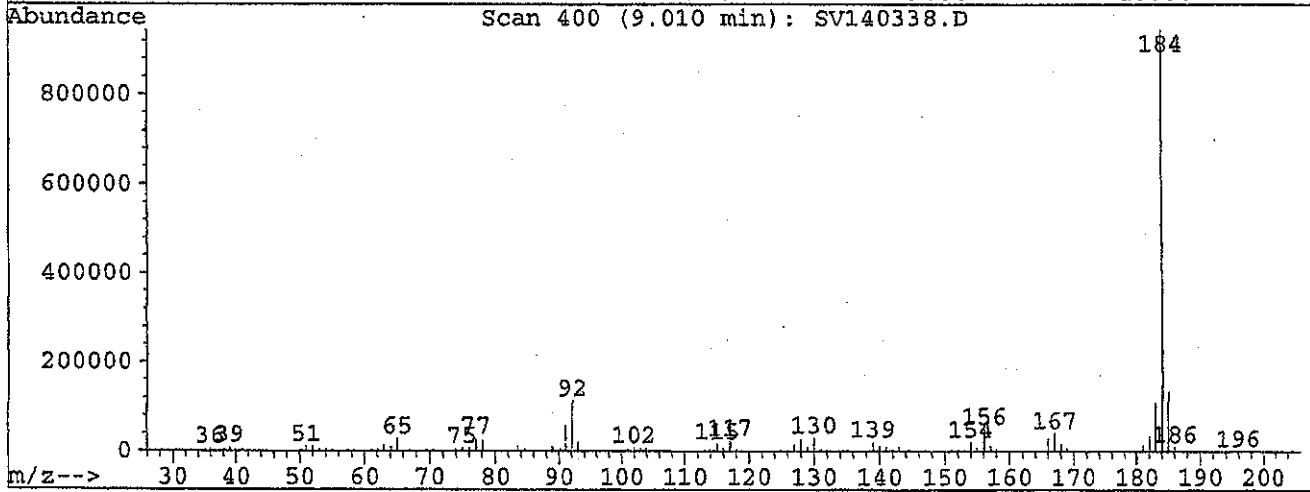
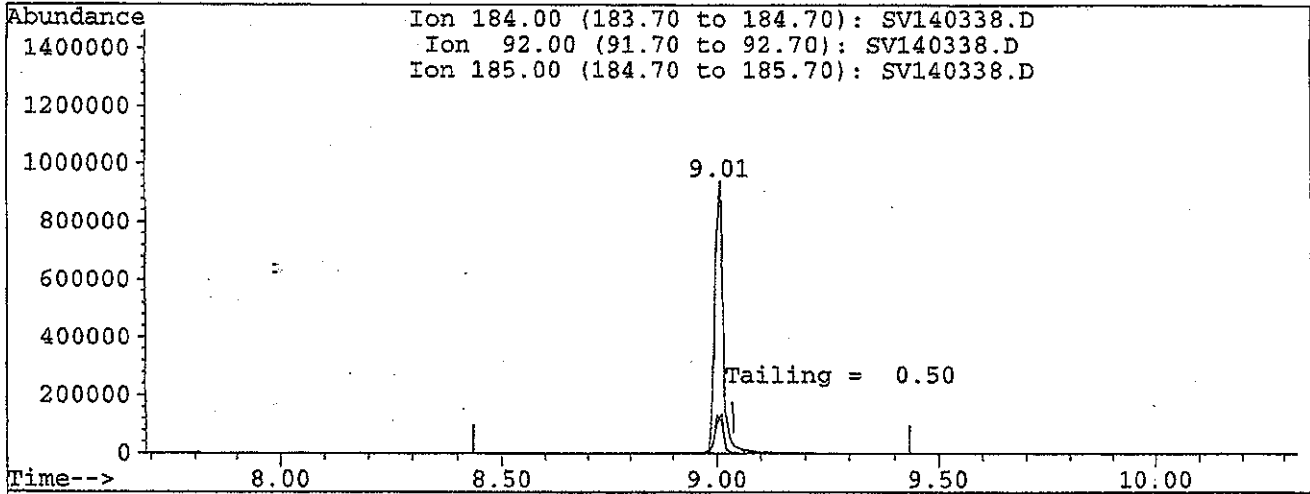
| Ion | Exp% | Act% |
|--------|-------|-------|
| 266.00 | 100 | 100 |
| 264.00 | 62.70 | 63.00 |
| 268.00 | 64.60 | 63.60 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\080906\SV140338.D
 Acq On : 9 Aug 106 10:30 am
 Sample : BPH0116-TUN1
 Misc :
 Quant Time: Aug 17 15:58 19106

Vial: 1
 Operator: JLS
 Inst : SVOA-MS1
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\DFTPP.M
 Title : daily instrument eval mix
 Last Update : Wed Aug 16 10:44:30 2006
 Response via : Single Level Calibration



TIC: SV140338.D

(3) Benzidine

9.01min 72.98

response 1303911

| Ion | Exp% | Act% |
|--------|-------|-------|
| 184.00 | 100 | 100 |
| 92.00 | 17.40 | 14.54 |
| 185.00 | 13.60 | 14.30 |
| 0.00 | 0.00 | 0.00 |

INITIAL CALIBRATION DATA

8270C

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Calibration: 0608031

Instrument: SVOA-MS1

Matrix: Solid

Calibration Date: 08/09/06 00:00

| Compound | Level 01 | | Level 02 | | Level 03 | | Level 04 | | Level 05 | | Level 06 | |
|------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | mg/L | RF | mg/L | RF | mg/L | RF | mg/L | RF | mg/L | RF | mg/L | RF |
| 1,1-Biphenyl | 200 | 1.33005 | 160 | 1.31032 | 120 | 1.37351 | 80 | 1.54153 | 50 | 1.67436 | 25 | 1.57918 |
| 1,2,4-Trichlorobenzene | 200 | 0.321602 | 160 | 0.314736 | 120 | 0.30886 | 80 | 0.303659 | 50 | 0.301181 | 25 | 0.285089 |
| 1,2-Dichlorobenzene | 200 | 1.30384 | 160 | 1.40377 | 120 | 1.45576 | 80 | 1.46701 | 50 | 1.47632 | 25 | 1.45022 |
| 1,3-Dichlorobenzene | 200 | 1.55227 | 160 | 1.54795 | 120 | 1.49647 | 80 | 1.50679 | 50 | 1.56938 | 25 | 1.4827 |
| 1,4-Dichlorobenzene | 200 | 1.52696 | 160 | 1.50728 | 120 | 1.58346 | 80 | 1.57555 | 50 | 1.57118 | 25 | 1.60257 |
| 2,3,4,6-Tetrachlorophenol | 200 | 0.357469 | 160 | 0.348856 | 120 | 0.355739 | 80 | 0.356108 | 50 | 0.363641 | 25 | 0.335961 |
| 2,4,5-Trichlorophenol | 200 | 0.447688 | 160 | 0.450389 | 120 | 0.443706 | 80 | 0.451333 | 50 | 0.47568 | 25 | 0.431898 |
| 2,4,6-Trichlorophenol | 200 | 0.482416 | 160 | 0.434709 | 120 | 0.416251 | 80 | 0.416835 | 50 | 0.433656 | 25 | 0.405771 |
| 2,4-Dichlorophenol | 200 | 0.313255 | 160 | 0.305227 | 120 | 0.303007 | 80 | 0.292288 | 50 | 0.289037 | 25 | 0.272186 |
| 2,4-Dimethylphenol | 200 | 0.357625 | 160 | 0.339885 | 120 | 0.338642 | 80 | 0.335281 | 50 | 0.341898 | 25 | 0.32716 |
| 2,4-Dinitrophenol | 200 | 0.292689 | 160 | 0.275248 | 120 | 0.264306 | 80 | 0.263853 | 50 | 0.25981 | 25 | 0.216276 |
| 2,4-Dinitrotoluene | 200 | 0.449973 | 160 | 0.437899 | 120 | 0.436952 | 80 | 0.450631 | 50 | 0.470364 | 25 | 0.458081 |
| 2,6-Dinitrotoluene | 200 | 0.449973 | 160 | 0.437899 | 120 | 0.436952 | 80 | 0.450631 | 50 | 0.470364 | 25 | 0.458081 |
| 2-Chloronaphthalene | 200 | 1.25752 | 160 | 1.22667 | 120 | 1.28478 | 80 | 1.36769 | 50 | 1.47334 | 25 | 1.44406 |
| 2-Chlorophenol | 200 | 1.59301 | 160 | 1.56052 | 120 | 1.57408 | 80 | 1.57008 | 50 | 1.60306 | 25 | 1.55744 |
| 2-Methylnaphthalene | 200 | 0.615594 | 160 | 0.627438 | 120 | 0.655527 | 80 | 0.638563 | 50 | 0.646418 | 25 | 0.630459 |
| 2-Methylphenol | 200 | 1.38429 | 160 | 1.3826 | 120 | 1.34332 | 80 | 1.37109 | 50 | 1.41416 | 25 | 1.41184 |
| 2-Nitroaniline | 200 | 0.385962 | 160 | 0.37364 | 120 | 0.357444 | 80 | 0.380426 | 50 | 0.403479 | 25 | 0.461967 |
| 2-Nitrophenol | 200 | 0.277371 | 160 | 0.254917 | 120 | 0.25274 | 80 | 0.243348 | 50 | 0.242837 | 25 | 0.229506 |
| 3,3'-Dichlorobenzidine | 200 | 0.467775 | 160 | 0.450722 | 120 | 0.456913 | 80 | 0.465044 | 50 | 0.483723 | 25 | 0.453971 |
| 3-Nitroaniline | 200 | 0.437937 | 160 | 0.433377 | 120 | 0.431405 | 80 | 0.462265 | 50 | 0.488712 | 25 | 0.486494 |
| 4-Bromophenyl-phenylether | 200 | 0.260732 | 160 | 0.25303 | 120 | 0.251898 | 80 | 0.249884 | 50 | 0.249761 | 25 | 0.228823 |
| 4-Chloro-3-Methylphenol | 200 | 0.30294 | 160 | 0.294334 | 120 | 0.297203 | 80 | 0.29776 | 50 | 0.299637 | 25 | 0.279437 |
| 4-Chloroaniline | 200 | 0.479692 | 160 | 0.486801 | 120 | 0.501046 | 80 | 0.495546 | 50 | 0.502808 | 25 | 0.470311 |
| 4-Chloro-phenyl-phenyl ether | 200 | 0.532002 | 160 | 0.547854 | 120 | 0.625146 | 80 | 0.659487 | 50 | 0.68336 | 25 | 0.646272 |
| 4-Nitroaniline | 200 | 0.321121 | 160 | 0.302674 | 120 | 0.312036 | 80 | 0.297212 | 50 | 0.31247 | 25 | 0.298334 |
| 4-Nitrophenol | 200 | 0.250514 | 160 | 0.249263 | 120 | 0.25252 | 80 | 0.271844 | 50 | 0.281595 | 25 | 0.27297 |
| Acenaphthene | 200 | 1.18132 | 160 | 1.14722 | 120 | 1.19963 | 80 | 1.22319 | 50 | 1.29494 | 25 | 1.20224 |
| Acenaphthylene | 200 | 1.93152 | 160 | 1.84485 | 120 | 1.94607 | 80 | 2.02202 | 50 | 2.13895 | 25 | 1.99734 |
| Acetophenone | 200 | 1.77492 | 160 | 1.76936 | 120 | 1.71258 | 80 | 1.77561 | 50 | 1.82963 | 25 | 1.85498 |
| Aniline | 200 | 2.46188 | 160 | 2.37814 | 120 | 2.35634 | 80 | 2.39323 | 50 | 2.45694 | 25 | 2.41975 |

INITIAL CALIBRATION DATA

8270C

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Calibration: 0608031

Instrument: SVOA-MS1

Matrix: Solid

Calibration Date: 08/09/06 00:00

| Compound | Level 01 | | Level 02 | | Level 03 | | Level 04 | | Level 05 | | Level 06 | |
|-----------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | mg/L | RF | mg/L | RF | mg/L | RF | mg/L | RF | mg/L | RF | mg/L | RF |
| Anthracene | 200 | 1.13395 | 160 | 1.14088 | 120 | 1.21258 | 80 | 1.20644 | 50 | 1.28915 | 25 | 1.22027 |
| Azobenzene | 200 | 1.13447 | 160 | 1.12044 | 120 | 1.19444 | 80 | 1.15705 | 50 | 1.18246 | 25 | 1.05026 |
| Benzo(a)anthracene | 200 | 1.31865 | 160 | 1.30447 | 120 | 1.27142 | 80 | 1.26589 | 50 | 1.30828 | 25 | 1.25456 |
| Benzo(a)pyrene | 200 | 1.28441 | 160 | 1.2313 | 120 | 1.21545 | 80 | 1.19073 | 50 | 1.20454 | 25 | 1.1097 |
| Benzo(b)fluoranthene | 200 | 1.99463 | 160 | 1.92447 | 120 | 1.85277 | 80 | 1.73653 | 50 | 1.59131 | 25 | 1.07923 |
| Benzo(g,h,i)perylene | 200 | 0.524926 | 160 | 0.596667 | 120 | 0.857953 | 80 | 1.17952 | 50 | 1.1852 | 25 | 1.11373 |
| Benzo(k)fluoranthene | 200 | 0.624196 | 160 | 0.649864 | 120 | 0.710137 | 80 | 0.936931 | 50 | 1.14769 | 25 | 1.46116 |
| Benzoic Acid | 200 | 0.357663 | 160 | 0.348379 | 120 | 0.324608 | 80 | 0.307133 | 50 | 0.296442 | 25 | 0.237123 |
| Benzyl Alcohol | 200 | 1.05409 | 160 | 1.06884 | 120 | 1.07306 | 80 | 1.0997 | 50 | 1.14082 | 25 | 1.13886 |
| bis(2-Chloroethoxy)methane | 200 | 0.498125 | 160 | 0.481751 | 120 | 0.483034 | 80 | 0.476093 | 50 | 0.479913 | 25 | 0.468602 |
| bis(2-Chloroethyl)ether | 200 | 1.40559 | 160 | 1.52617 | 120 | 1.4925 | 80 | 1.55556 | 50 | 1.61739 | 25 | 1.61784 |
| bis(2-chloroisopropyl)Ether | 200 | 1.95329 | 160 | 2.02098 | 120 | 2.07207 | 80 | 2.20047 | 50 | 2.35435 | 25 | 2.48863 |
| bis(2-Ethylhexyl)phthalate | 200 | 1.04529 | 160 | 1.0508 | 120 | 1.05551 | 80 | 1.03615 | 50 | 1.07241 | 25 | 1.01982 |
| Butylbenzylphthalate | 200 | 0.804215 | 160 | 0.799911 | 120 | 0.79662 | 80 | 0.779253 | 50 | 0.811444 | 25 | 0.796181 |
| Carbazole | 200 | 1.17709 | 160 | 1.17116 | 120 | 1.18237 | 80 | 1.17118 | 50 | 1.23649 | 25 | 1.13964 |
| Chrysene | 200 | 1.10906 | 160 | 1.10095 | 120 | 1.12745 | 80 | 1.1219 | 50 | 1.17235 | 25 | 1.16243 |
| Dibenzo(a,h)Anthracene | 200 | 0.689468 | 160 | 0.790222 | 120 | 1.01109 | 80 | 1.16798 | 50 | 1.18455 | 25 | 1.04926 |
| Dibenzofuran | 200 | 1.72756 | 160 | 1.66883 | 120 | 1.69082 | 80 | 1.71203 | 50 | 1.7898 | 25 | 1.70021 |
| Diethylphthalate | 200 | 1.36434 | 160 | 1.32651 | 120 | 1.37202 | 80 | 1.38887 | 50 | 1.47357 | 25 | 1.43099 |
| Dimethylphthalate | 200 | 1.41529 | 160 | 1.36063 | 120 | 1.36027 | 80 | 1.40128 | 50 | 1.45449 | 25 | 1.38083 |
| Di-n-butylphthalate | 200 | 1.63283 | 160 | 1.61939 | 120 | 1.64542 | 80 | 1.65145 | 50 | 1.71694 | 25 | 1.61324 |
| Di-n-octylphthalate | 200 | 2.21027 | 160 | 2.10649 | 120 | 1.99986 | 80 | 1.92248 | 50 | 1.91531 | 25 | 1.63716 |
| Fluoranthene | 200 | 1.18915 | 160 | 1.18492 | 120 | 1.21925 | 80 | 1.20009 | 50 | 1.24221 | 25 | 1.1713 |
| Fluorene | 200 | 1.20374 | 160 | 1.21149 | 120 | 1.32332 | 80 | 1.39652 | 50 | 1.45494 | 25 | 1.40704 |
| Hexachlorobenzene | 200 | 0.28132 | 160 | 0.284059 | 120 | 0.285999 | 80 | 0.283196 | 50 | 0.281104 | 25 | 0.253711 |
| Hexachlorobutadiene | 200 | 0.137255 | 160 | 0.138019 | 120 | 0.145943 | 80 | 0.142464 | 50 | 0.146251 | 25 | 0.138046 |
| Hexachlorocyclopentadiene | 200 | 0.36625 | 160 | 0.359117 | 120 | 0.372923 | 80 | 0.373635 | 50 | 0.386735 | 25 | 0.357216 |
| Hexachloroethane | 200 | 0.613763 | 160 | 0.626655 | 120 | 0.624631 | 80 | 0.630502 | 50 | 0.643738 | 25 | 0.624144 |
| Indeno(1,2,3-cd)Pyrene | 200 | 0.788385 | 160 | 0.89846 | 120 | 1.20568 | 80 | 1.43786 | 50 | 1.45769 | 25 | 1.30586 |
| Isophorone | 200 | 0.773068 | 160 | 0.738536 | 120 | 0.731702 | 80 | 0.712898 | 50 | 0.736203 | 25 | 0.718197 |
| Naphthalene | 200 | 0.997857 | 160 | 0.996153 | 120 | 1.01483 | 80 | 1.01931 | 50 | 1.05153 | 25 | 1.05525 |

INITIAL CALIBRATION DATA

8270C

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Calibration: 0608031

Instrument: SVOA-MS1

Matrix: Solid

Calibration Date: 08/09/06 00:00

| Compound | Level 01 | | Level 02 | | Level 03 | | Level 04 | | Level 05 | | Level 06 | |
|----------------------------|----------|-----------|----------|-----------|----------|-----------|----------|----------|----------|----------|----------|----------|
| | mg/L | RF | mg/L | RF | mg/L | RF | mg/L | RF | mg/L | RF | mg/L | RF |
| Nitrobenzene | 200 | 0.385681 | 160 | 0.374784 | 120 | 0.37876 | 80 | 0.373945 | 50 | 0.388132 | 25 | 0.386395 |
| N-Nitrosodimethylamine | 200 | 0.0998684 | 160 | 0.0978417 | 120 | 0.0976159 | 80 | 0.102542 | 50 | 0.110249 | 25 | 0.118619 |
| N-Nitroso-Di-n-Propylamine | 200 | 1.01082 | 160 | 1.01968 | 120 | 1.01671 | 80 | 1.07249 | 50 | 1.11067 | 25 | 1.11787 |
| N-nitrosodiphenylamine | 200 | 0.737319 | 160 | 0.724223 | 120 | 0.78926 | 80 | 0.765357 | 50 | 0.775941 | 25 | 0.730121 |
| Pentachlorophenol | 200 | 0.187344 | 160 | 0.183814 | 120 | 0.177109 | 80 | 0.173398 | 50 | 0.169742 | 25 | 0.140709 |
| Phenanthrene | 200 | 1.19243 | 160 | 1.18196 | 120 | 1.19472 | 80 | 1.20967 | 50 | 1.24524 | 25 | 1.20002 |
| Phenol | 200 | 2.2603 | 160 | 2.23787 | 120 | 2.24511 | 80 | 2.32539 | 50 | 2.38296 | 25 | 2.34593 |
| Pyrene | 200 | 1.37932 | 160 | 1.33945 | 120 | 1.28088 | 80 | 1.25361 | 50 | 1.32024 | 25 | 1.33508 |
| Pyridine | 200 | 0.171781 | 160 | 0.172759 | 120 | 0.179365 | 80 | 0.184754 | 50 | 0.196967 | 25 | 0.204695 |
| 1,2-Dichlorobenzene-d4 | 200 | 0.794467 | 160 | 0.841635 | 120 | 0.91106 | 80 | 0.921891 | 50 | 0.928117 | 25 | 0.896954 |
| 2,4,6-Tribromophenol | 200.2 | 0.163683 | 160.2 | 0.159184 | 120.1 | 0.16875 | 80.08 | 0.154157 | 50.05 | 0.153512 | 25.02 | 0.130846 |
| 2-Chlorophenol-d4 | 200.2 | 1.49892 | 160.2 | 1.49132 | 120.1 | 1.5009 | 80.08 | 1.50666 | 50.05 | 1.53596 | 25.02 | 1.50141 |
| 2-Fluorobiphenyl | 200 | 1.36079 | 160 | 1.29454 | 120 | 1.28918 | 80 | 1.33996 | 50 | 1.43487 | 25 | 1.3677 |
| 2-Fluorophenol | 200.2 | 1.5751 | 160.2 | 1.53791 | 120.1 | 1.49342 | 80.08 | 1.51081 | 50.05 | 1.53217 | 25.02 | 1.52606 |
| Nitrobenzene-d5 | 200 | 0.380612 | 160 | 0.367398 | 120 | 0.368415 | 80 | 0.364079 | 50 | 0.378749 | 25 | 0.371136 |
| Phenol-d6 | 200.2 | 1.89035 | 160.2 | 1.89869 | 120.1 | 1.89629 | 80.08 | 1.94253 | 50.05 | 1.99287 | 25.02 | 1.94684 |
| p-Terphenyl-d14 | 200 | 0.839279 | 160 | 0.858572 | 120 | 0.865979 | 80 | 0.868471 | 50 | 0.901933 | 25 | 0.873208 |

INITIAL CALIBRATION DATA (Continued)

8270C

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Calibration: 0608031

Instrument: SVOA-MS1

Matrix: Solid

Calibration Date: 08/09/06 00:00

| Compound | Level 07 | | Level 08 | | Level 09 | | Level 10 | | Level 11 | | Level 12 | |
|------------------------------|----------|----------|----------|-----------|----------|----|----------|----|----------|----|----------|----|
| | mg/L | RF | mg/L | RF | mg/L | RF | mg/L | RF | mg/L | RF | mg/L | RF |
| 1,1-Biphenyl | 10 | 1.39814 | 5 | 1.34518 | | | | | | | | |
| 1,2,4-Trichlorobenzene | 10 | 0.27077 | 5 | 0.274173 | | | | | | | | |
| 1,2-Dichlorobenzene | 10 | 1.38638 | 5 | 1.3981 | | | | | | | | |
| 1,3-Dichlorobenzene | 10 | 1.43015 | 5 | 1.54111 | | | | | | | | |
| 1,4-Dichlorobenzene | 10 | 1.53507 | 5 | 1.5294 | | | | | | | | |
| 2,3,4,6-Tetrachlorophenol | 10 | 0.292471 | 5 | 0.266761 | | | | | | | | |
| 2,4,5-Trichlorophenol | 10 | 0.38131 | 5 | 0.358298 | | | | | | | | |
| 2,4,6-Trichlorophenol | 10 | 0.367326 | 5 | 0.352963 | | | | | | | | |
| 2,4-Dichlorophenol | 10 | 0.244096 | 5 | 0.24699 | | | | | | | | |
| 2,4-Dimethylphenol | 10 | 0.307711 | 5 | 0.293931 | | | | | | | | |
| 2,4-Dinitrophenol | 10 | 0.135151 | 5 | 0.0828348 | | | | | | | | |
| 2,4-Dinitrotoluene | 10 | 0.425773 | 5 | 0.387236 | | | | | | | | |
| 2,6-Dinitrotoluene | 10 | 0.425773 | 5 | 0.387236 | | | | | | | | |
| 2-Chloronaphthalene | 10 | 1.34987 | 5 | 1.29896 | | | | | | | | |
| 2-Chlorophenol | 10 | 1.43616 | 5 | 1.48697 | | | | | | | | |
| 2-Methylnaphthalene | 10 | 0.573885 | 5 | 0.577169 | | | | | | | | |
| 2-Methylphenol | 10 | 1.35865 | 5 | 1.35108 | | | | | | | | |
| 2-Nitroaniline | 10 | 0.454802 | 5 | 0.432883 | | | | | | | | |
| 2-Nitrophenol | 10 | 0.209375 | 5 | 0.202045 | | | | | | | | |
| 3,3'-Dichlorobenzidine | 10 | 0.349162 | 5 | 0.269279 | | | | | | | | |
| 3-Nitroaniline | 10 | 0.455125 | 5 | 0.436587 | | | | | | | | |
| 4-Bromophenyl-phenylether | 10 | 0.20139 | 5 | 0.201878 | | | | | | | | |
| 4-Chloro-3-Methylphenol | 10 | 0.263622 | 5 | 0.25453 | | | | | | | | |
| 4-Chloroaniline | 10 | 0.423737 | 5 | 0.402258 | | | | | | | | |
| 4-Chloro-phenyl-phenyl ether | 10 | 0.571571 | 5 | 0.547318 | | | | | | | | |
| 4-Nitroaniline | 10 | 0.283998 | 5 | 0.26687 | | | | | | | | |
| 4-Nitrophenol | 10 | 0.255107 | 5 | 0.238382 | | | | | | | | |
| Acenaphthene | 10 | 1.10793 | 5 | 1.06217 | | | | | | | | |
| Acenaphthylene | 10 | 1.81015 | 5 | 1.75451 | | | | | | | | |
| Acetophenone | 10 | 1.75479 | 5 | 1.68911 | | | | | | | | |
| Aniline | 10 | 2.25203 | 5 | 2.24407 | | | | | | | | |

INITIAL CALIBRATION DATA (Continued)

8270C

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Calibration: 0608031

Instrument: SVOA-MS1

Matrix: Solid

Calibration Date: 08/09/06 00:00

| Compound | Level 07 | | Level 08 | | Level 09 | | Level 10 | | Level 11 | | Level 12 | |
|-----------------------------|----------|----------|----------|-----------|----------|----|----------|----|----------|----|----------|----|
| | mg/L | RF | mg/L | RF | mg/L | RF | mg/L | RF | mg/L | RF | mg/L | RF |
| Anthracene | 10 | 1.1492 | 5 | 1.09508 | | | | | | | | |
| Azobenzene | 10 | 1.01788 | 5 | 1.03042 | | | | | | | | |
| Benzo(a)anthracene | 10 | 1.15794 | 5 | 1.10841 | | | | | | | | |
| Benzo(a)pyrene | 10 | 0.907054 | 5 | 0.784773 | | | | | | | | |
| Benzo(b)fluoranthene | 10 | 0.840918 | 5 | 1.26655 | | | | | | | | |
| Benzo(g,h,i)perylene | 10 | 0.958326 | 5 | 0.868187 | | | | | | | | |
| Benzo(k)fluoranthene | 10 | 1.35211 | 5 | 1.22244 | | | | | | | | |
| Benzoic Acid | 10 | 0.16223 | 5 | 0.0173248 | | | | | | | | |
| Benzyl Alcohol | 10 | 1.08694 | 5 | 1.0969 | | | | | | | | |
| bis(2-Chloroethoxy)methane | 10 | 0.450226 | 5 | 0.457856 | | | | | | | | |
| bis(2-Chloroethyl)ether | 10 | 1.59673 | 5 | 1.62002 | | | | | | | | |
| bis(2-chloroisopropyl)Ether | 10 | 2.48679 | 5 | 2.54871 | | | | | | | | |
| bis(2-Ethylhexyl)phthalate | 10 | 0.860155 | 5 | 0.708801 | | | | | | | | |
| Butylbenzylphthalate | 10 | 0.739961 | 5 | 0.660336 | | | | | | | | |
| Carbazole | 10 | 1.09273 | 5 | 1.04022 | | | | | | | | |
| Chrysene | 10 | 1.10216 | 5 | 1.05829 | | | | | | | | |
| Dibenzo(a,h)Anthracene | 10 | 0.847414 | 5 | 0.719885 | | | | | | | | |
| Dibenzofuran | 10 | 1.54945 | 5 | 1.51392 | | | | | | | | |
| Diethylphthalate | 10 | 1.30816 | 5 | 1.24604 | | | | | | | | |
| Dimethylphthalate | 10 | 1.30915 | 5 | 1.27072 | | | | | | | | |
| Di-n-butylphthalate | 10 | 1.51206 | 5 | 1.42103 | | | | | | | | |
| Di-n-octylphthalate | 10 | 1.10122 | 5 | 0.903749 | | | | | | | | |
| Fluoranthene | 10 | 1.0998 | 5 | 1.05032 | | | | | | | | |
| Fluorene | 10 | 1.24201 | 5 | 1.16973 | | | | | | | | |
| Hexachlorobenzene | 10 | 0.245833 | 5 | 0.250548 | | | | | | | | |
| Hexachlorobutadiene | 10 | 0.126499 | 5 | 0.116796 | | | | | | | | |
| Hexachlorocyclopentadiene | 10 | 0.307595 | 5 | 0.256007 | | | | | | | | |
| Hexachloroethane | 10 | 0.622686 | 5 | 0.624926 | | | | | | | | |
| Indeno(1,2,3-cd)Pyrene | 10 | 1.05382 | 5 | 0.918669 | | | | | | | | |
| Isophorone | 10 | 0.662114 | 5 | 0.692947 | | | | | | | | |
| Naphthalene | 10 | 1.02009 | 5 | 1.0359 | | | | | | | | |

INITIAL CALIBRATION DATA (Continued)

8270C

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Calibration: 0608031

Instrument: SVOA-MS1

Matrix: Solid

Calibration Date: 08/09/06 00:00

| Compound | Level 07 | | Level 08 | | Level 09 | | Level 10 | | Level 11 | | Level 12 | |
|----------------------------|----------|----------|----------|-----------|----------|----|----------|----|----------|----|----------|----|
| | mg/L | RF | mg/L | RF | mg/L | RF | mg/L | RF | mg/L | RF | mg/L | RF |
| Nitrobenzene | 10 | 0.363959 | 5 | 0.384293 | | | | | | | | |
| N-Nitrosodimethylamine | 10 | 0.100713 | 5 | 0.10125 | | | | | | | | |
| N-Nitroso-Di-n-Propylamine | 10 | 1.05422 | 5 | 1.01976 | | | | | | | | |
| N-nitrosodiphenylamine | 10 | 0.697891 | 5 | 0.652988 | | | | | | | | |
| Pentachlorophenol | 10 | 0.105031 | 5 | 0.0727236 | | | | | | | | |
| Phenanthrene | 10 | 1.16968 | 5 | 1.11176 | | | | | | | | |
| Phenol | 10 | 2.19916 | 5 | 2.19444 | | | | | | | | |
| Pyrene | 10 | 1.30008 | 5 | 1.23947 | | | | | | | | |
| Pyridine | 10 | 0.169332 | 5 | 0.165051 | | | | | | | | |
| 1,2-Dichlorobenzene-d4 | 10 | 0.838759 | 5 | 0.829149 | | | | | | | | |
| 2,4,6-Tribromophenol | 10.01 | 0.117598 | 5.005 | 0.106605 | | | | | | | | |
| 2-Chlorophenol-d4 | 10.01 | 1.41172 | 5.005 | 1.37738 | | | | | | | | |
| 2-Fluorobiphenyl | 10 | 1.24605 | 5 | 1.17706 | | | | | | | | |
| 2-Fluorophenol | 10.01 | 1.41558 | 5.005 | 1.41192 | | | | | | | | |
| Nitrobenzene-d5 | 10 | 0.351057 | 5 | 0.349385 | | | | | | | | |
| Phenol-d6 | 10.01 | 1.86316 | 5.005 | 1.84994 | | | | | | | | |
| p-Terphenyl-d14 | 10 | 0.826964 | 5 | 0.775479 | | | | | | | | |

INITIAL CALIBRATION DATA (Continued)

8270C

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Calibration: 0608031

Instrument: SVOA-MS1

Matrix: Solid

Calibration Date: 08/09/06 00:00

| Compound | Mean RF | RF RSD | Mean RT | RT RSD | Linear r | Quad COD | LIMIT | Q |
|------------------------------|----------|--------|---------|--------|----------|----------|-------------|---|
| 1,1-Biphenyl | 1.44403 | 9.384 | 7.46125 | 0.3316 | | | 15 | |
| 1,2,4-Trichlorobenzene | 0.297509 | 6.315 | 5.76125 | 0.195 | | | 15 | |
| 1,2-Dichlorobenzene | 1.41768 | 4.034 | 4.5875 | 0.2257 | | | 15 | |
| 1,3-Dichlorobenzene | 1.51585 | 3.029 | 4.33 | 0.1748 | | | 15 | |
| 1,4-Dichlorobenzene | 1.55393 | 2.157 | 4.38375 | 0.1692 | | | CCC (30) | |
| 2,3,4,6-Tetrachlorophenol | 0.334626 | 10.63 | 9.0275 | 0.3824 | | | 15 | |
| 2,4,5-Trichlorophenol | 0.430038 | 9.207 | 7.2675 | 0.4636 | | | 15 | |
| 2,4,6-Trichlorophenol | 0.413741 | 9.788 | 7.205 | 0.3317 | | | CCC (30) | |
| 2,4-Dichlorophenol | 0.283261 | 9.301 | 5.66125 | 0.4163 | | | CCC (30) | |
| 2,4-Dimethylphenol | 0.330267 | 6.174 | 5.435 | 0.3808 | | | 15 | |
| 2,4-Dinitrophenol | 0.223771 | 33.66 | 8.545 | 0.6255 | 0.99878 | | SPCC (0.05) | |
| 2,4-Dinitrotoluene | 0.439614 | 5.742 | 8.82375 | 0.6177 | | | 15 | |
| 2,6-Dinitrotoluene | 0.439614 | 5.742 | 8.82375 | 0.6177 | | | 15 | |
| 2-Chloronaphthalene | 1.33786 | 6.554 | 7.47375 | 0.3848 | | | 15 | |
| 2-Chlorophenol | 1.54766 | 3.68 | 4.18875 | 0.4677 | | | 15 | |
| 2-Methylnaphthalene | 0.620632 | 4.89 | 6.745 | 0.2241 | | | 15 | |
| 2-Methylphenol | 1.37713 | 1.913 | 4.6875 | 0.3742 | | | 15 | |
| 2-Nitroaniline | 0.406325 | 9.623 | 7.6825 | 0.4161 | | | 15 | |
| 2-Nitrophenol | 0.239017 | 10.35 | 5.38125 | 0.1841 | | | CCC (30) | |
| 3,3'-Dichlorobenzidine | 0.424574 | 17.67 | 16.2775 | 0.2117 | 0.99953 | | 0.995 | |
| 3-Nitroaniline | 0.453988 | 5.151 | 8.3825 | 0.5974 | | | 15 | |
| 4-Bromophenyl-phenylether | 0.237174 | 10 | 10.2388 | 0.191 | | | 15 | |
| 4-Chloro-3-Methylphenol | 0.286183 | 6.389 | 6.57375 | 0.4594 | | | CCC (30) | |
| 4-Chloroaniline | 0.470275 | 7.955 | 5.93 | 0.3245 | | | 15 | |
| 4-Chloro-phenyl-phenyl ether | 0.601626 | 9.766 | 9.34875 | 0.2097 | | | 15 | |
| 4-Nitroaniline | 0.299339 | 5.806 | 9.4875 | 0.8198 | | | 15 | |
| 4-Nitrophenol | 0.259024 | 5.688 | 8.6875 | 0.7402 | | | SPCC (0.05) | |
| Acenaphthene | 1.17733 | 6.096 | 8.4525 | 0.2945 | | | CCC (30) | |
| Acenaphthylene | 1.93068 | 6.473 | 8.145 | 0.293 | | | 15 | |
| Acetophenone | 1.77012 | 3.087 | 4.84 | 0.3825 | | | 15 | |
| Aniline | 2.3703 | 3.531 | 4.0725 | 0.4684 | | | 15 | |
| Anthracene | 1.18094 | 5.269 | 11.1937 | 0.3572 | | | 15 | |

INITIAL CALIBRATION DATA (Continued)

8270C

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Calibration: 0608031

Instrument: SVOA-MS1

Matrix: Solid

Calibration Date: 08/09/06 00:00

| Compound | Mean RF | RF RSD | Mean RT | RT RSD | Linear r | Quad COD | LIMIT | Q |
|-----------------------------|----------|--------|---------|---------|----------|----------|-------------|---|
| Azobenzene | 1.11093 | 6.244 | 9.63625 | 0.3229 | | | 15 | |
| Benzo(a)anthracene | 1.2487 | 6.078 | 16.245 | 0.1888 | | | 15 | |
| Benzo(a)pyrene | 1.11599 | 15.83 | 18.8263 | 0.1987 | 0.99948 | | CCC (30) | |
| Benzo(b)fluoranthene | 1.5358 | 27.73 | 18.3012 | 0.3026 | 0.99862 | | 0.995 | |
| Benzo(g,h,i)perylene | 1.06099 | 13.33 | 20.964 | 0.1526 | 0.99989 | | 0.995 | |
| Benzo(k)fluoranthene | 1.06862 | 29.23 | 18.3286 | 0.2771 | | 0.99274 | 0.99 | |
| Benzoic Acid | 0.290511 | 23.78 | 5.67429 | 1.75 | 0.99889 | | 0.995 | |
| Benzyl Alcohol | 1.0949 | 2.878 | 4.55 | 0.3524 | | | 15 | |
| bis(2-Chloroethoxy)methane | 0.47445 | 3.203 | 5.5475 | 0.3302 | | | 15 | |
| bis(2-Chloroethyl)ether | 1.55398 | 4.917 | 4.14 | 0.4471 | | | 15 | |
| bis(2-chloroisopropyl)Ether | 2.26566 | 10.36 | 4.71875 | 0.2391 | | | 15 | |
| bis(2-Ethylhexyl)phthalate | 0.981117 | 13.13 | 16.5675 | 0.07016 | 0.99991 | | 0.995 | |
| Butylbenzylphthalate | 0.77349 | 6.573 | 15.335 | 0.1305 | | | 15 | |
| Carbazole | 1.15136 | 5.251 | 11.5275 | 0.2923 | | | 15 | |
| Chrysene | 1.11932 | 3.24 | 16.3375 | 0.2162 | | | 15 | |
| Dibenzo(a,h)Anthracene | 0.993818 | 20.51 | 20.6 | 0.1423 | 0.99959 | | 0.995 | |
| Dibenzofuran | 1.66908 | 5.531 | 8.72625 | 0.2931 | | | 15 | |
| Diethylphthalate | 1.36381 | 5.23 | 9.2875 | 0.385 | | | 15 | |
| Dimethylphthalate | 1.36908 | 4.279 | 8.055 | 0.5225 | | | 15 | |
| Di-n-butylphthalate | 1.60155 | 5.769 | 12.3937 | 0.183 | | | 15 | |
| Di-n-octylphthalate | 1.72457 | 27.75 | 17.73 | 0.117 | 0.99870 | | CCC (30) | |
| Fluoranthene | 1.16963 | 5.445 | 13.415 | 0.229 | | | CCC (30) | |
| Fluorene | 1.3011 | 8.356 | 9.33125 | 0.2179 | | | 15 | |
| Hexachlorobenzene | 0.270721 | 6.402 | 10.4963 | 0.2438 | | | 15 | |
| Hexachlorobutadiene | 0.136409 | 7.4 | 6.0675 | 0.1459 | | | CCC (30) | |
| Hexachlorocyclopentadiene | 0.347435 | 12.6 | 7.08125 | 0.1588 | | | SPCC (0.05) | |
| Hexachloroethane | 0.626381 | 1.351 | 4.92 | 0.1535 | | | 15 | |
| Indeno(1,2,3-cd)Pyrene | 1.23478 | 19.36 | 20.574 | 0.1487 | 0.99963 | | 0.995 | |
| Isophorone | 0.720708 | 4.599 | 5.29875 | 0.4988 | | | 15 | |
| Naphthalene | 1.02386 | 2.17 | 5.83875 | 0.2817 | | | 15 | |
| Nitrobenzene | 0.379494 | 2.178 | 5.02875 | 0.3894 | | | 15 | |
| N-Nitrosodimethylamine | 0.103587 | 6.996 | 1.0625 | 0.4357 | | | 15 | |

INITIAL CALIBRATION DATA (Continued)

8270C

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Calibration: 0608031

Instrument: SVOA-MS1

Matrix: Solid

Calibration Date: 08/09/06 00:00

| Compound | Mean RF | RF RSD | Mean RT | RT RSD | Linear r | Quad COD | LIMIT | Q |
|----------------------------|----------|--------|---------|----------|----------|----------|-------------|---|
| N-Nitroso-Di-n-Propylamine | 1.05278 | 4.129 | 4.89375 | 0.7404 | | | SPCC (0.05) | |
| N-nitrosodiphenylamine | 0.734138 | 6.045 | 9.595 | 0.3898 | | | CCC (30) | |
| Pentachlorophenol | 0.151234 | 27.69 | 10.8388 | 0.2438 | 0.99967 | | CCC (30) | |
| Phenanthrene | 1.18818 | 3.203 | 11.1087 | 0.3169 | | | 15 | |
| Phenol | 2.2739 | 3.062 | 4.06625 | 0.6949 | | | CCC (30) | |
| Pyrene | 1.30602 | 3.589 | 13.5238 | 1.677 | | | 15 | |
| Pyridine | 0.180588 | 7.762 | 1.06 | 0.009134 | | | 15 | |
| 1,2-Dichlorobenzene-d4 | 0.870254 | 5.768 | 4.57 | 0.1649 | | | 15 | |
| 2,4,6-Tribromophenol | 0.144292 | 15.92 | 9.8025 | 0.312 | 0.99930 | | 0.995 | |
| 2-Chlorophenol-d4 | 1.47803 | 3.651 | 4.16875 | 0.3939 | | | 15 | |
| 2-Fluorobiphenyl | 1.31377 | 6.084 | 7.32125 | 0.2466 | | | 15 | |
| 2-Fluorophenol | 1.50037 | 3.889 | 2.84375 | 0.4178 | | | 15 | |
| Nitrobenzene-d5 | 0.366354 | 3.116 | 5.00875 | 0.3909 | | | 15 | |
| Phenol-d6 | 1.91008 | 2.486 | 4.05 | 0.6191 | | | 15 | |
| p-Terphenyl-d14 | 0.851236 | 4.461 | 14.2412 | 0.1475 | | | 15 | |

Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\080906\SV140339.D
 Acq On : 9 Aug 106 11:57 am
 Sample : BPH0116-CAL1
 Misc :
 Quant Time: Aug 17 16:38 19106

Vial: 2
 Operator: JLS
 Inst : SVOA-MS1
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
 Title : ELEMENT ID: 0608031(SOIL) 0608030(AQUEOUS)
 Last Update : Thu Aug 17 16:37:27 2006
 Response via : Multiple Level Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|---------------------------|-------|------|----------|-------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4 | 4.36 | 152 | 413156 | 40.00 | ng/uL | -0.01 |
| 22) Naphthalene-d8 | 5.80 | 136 | 1611564 | 40.00 | ng/uL | -0.01 |
| 38) Acenaphthene-d10 | 8.38 | 164 | 760260 | 40.00 | ng/uL | -0.01 |
| 59) Phenanthrene-d10 | 11.03 | 188 | 1107206 | 40.00 | ng/uL | -0.02 |
| 74) Chrysene-d12 | 16.26 | 240 | 938238 | 40.00 | ng/uL | 0.00 |
| 82) Perylene-d12 | 18.90 | 264 | 951786 | 40.00 | ng/uL | -0.02 |

| System Monitoring Compounds | R.T. | QIon | Response | Conc | Units | %Recovery |
|----------------------------------|-------|------|----------|------|-------|-----------|
| 4) 2-Fluorophenol (SURR) | 2.84 | 112 | 72991 | 4.71 | ng/uL | 3.14% |
| 6) Phenol-d5 (SURR) | 4.03 | 99 | 95635 | 4.84 | ng/uL | 3.23% |
| 10) 2-Chlorophenol-d4 (SURR) | 4.16 | 132 | 71205 | 4.66 | ng/uL | 3.11% |
| 13) 1,2 Dichlorobenzene-d4 (SUR) | 4.56 | 152 | 42821 | 4.76 | ng/uL | 4.76% |
| 23) Nitrobenzene-d5 (SURR) | 4.99 | 82 | 70382 | 4.77 | ng/uL | 4.77% |
| 42) 2-Fluorobiphenyl (SURR) | 7.30 | 172 | 111859 | 4.48 | ng/uL | 4.48% |
| 64) 2,4,6-Tribromophenol (SURR) | 9.77 | 330 | 14769 | 6.56 | ng/uL | 4.37% |
| 76) Terphenyl-d14 (SURR) | 14.22 | 244 | 90948 | 4.56 | ng/uL | 4.56% |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|---------------------------------|------|------|----------|------|-------|--------|
| 2) N-Nitrosodimethylamine | 1.06 | 74 | 5229 | 4.89 | ng/uL | 97 |
| 3) Pyridine | 1.06 | 79 | 8524 | 4.57 | ng/uL | 100 |
| 5) bis(2-Chloroethyl) ether | 4.13 | 93 | 83665 | 5.21 | ng/uL | 94 |
| 7) 2-Chlorophenol | 4.17 | 128 | 76794 | 4.80 | ng/uL | 90 |
| 8) Phenol | 4.04 | 94 | 113331 | 4.83 | ng/uL | 90 |
| 9) Aniline | 4.06 | 93 | 115894 | 4.73 | ng/uL | 98 |
| 11) 1,3-Dichlorobenzene | 4.33 | 146 | 79590 | 5.08 | ng/uL | 97 |
| 12) 1,4-Dichlorobenzene | 4.37 | 146 | 78985 | 4.92 | ng/uL | 98 |
| 14) 1,2-Dichlorobenzene | 4.58 | 146 | 72204 | 4.93 | ng/uL | 98 |
| 15) Benzyl Alcohol | 4.53 | 79 | 56649 | 5.01 | ng/uL | 90 |
| 16) bis(2-chloroisopropyl) Ethe | 4.71 | 45 | 131627 | 5.62 | ng/uL | 91 |
| 17) 2-Methylphenol | 4.67 | 108 | 69776 | 4.91 | ng/uL | 99 |
| 18) Acetophenone | 4.83 | 105 | 87233 | 4.77 | ng/uL | 82 |
| 19) N-Nitroso-Di-n-Propylamine | 4.86 | 70 | 52665 | 4.84 | ng/uL | 93 |
| 20) Hexachloroethane | 4.92 | 117 | 32274 | 4.99 | ng/uL | 84 |
| 21) 3+4-Methylphenol | 4.83 | 108 | 73167 | 4.82 | ng/uL | 100 |
| 24) Nitrobenzene | 5.01 | 77 | 77414 | 5.06 | ng/uL | 94 |
| 25) Isophorone | 5.27 | 82 | 139591 | 4.81 | ng/uL | 98 |
| 26) 2-Nitrophenol | 5.37 | 139 | 40701 | 4.23 | ng/uL | 93 |
| 27) Benzoic Acid | 5.56 | 105 | 3490 | 9.42 | ng/uL | 93 |
| 28) 2,4-Dimethylphenol | 5.41 | 107 | 59211 | 4.45 | ng/uL | 88 |
| 29) bis(2-Chloroethoxy)methane | 5.53 | 93 | 92233 | 4.83 | ng/uL | 93 |
| 30) 2,4-Dichlorophenol | 5.64 | 162 | 49755 | 4.36 | ng/uL | 94 |
| 31) 1,2,4-Trichlorobenzene | 5.75 | 180 | 55231 | 4.61 | ng/uL | 98 |
| 32) Naphthalene | 5.82 | 128 | 208677 | 5.06 | ng/uL | 99 |
| 33) 4-Chloroaniline | 5.91 | 127 | 81033 | 4.28 | ng/uL | 99 |
| 34) Hexachlorobutadiene | 6.06 | 225 | 23528 | 4.28 | ng/uL | 99 |
| 35) 4-Chloro-3-Methylphenol | 6.54 | 107 | 51274 | 4.45 | ng/uL | 92 |
| 36) 2-Methylnaphthalene | 6.73 | 142 | 116268 | 4.65 | ng/uL | 98 |
| 37) 1-Methylnaphthalene | 6.89 | 142 | 117130 | 4.74 | ng/uL | 100 |
| 39) Hexachlorocyclopentadiene | 7.07 | 237 | 24329 | 3.68 | ng/uL | 99 |
| 40) 2,4,6-Trichlorophenol | 7.18 | 196 | 33543 | 4.24 | ng/uL | 100 |
| 41) 2,4,5-Trichlorophenol | 7.23 | 196 | 34050 | 4.17 | ng/uL | 98 |
| 43) Biphenyl | 7.43 | 154 | 127836 | 4.66 | ng/uL | 96 |
| 44) 2-Chloronaphthalene | 7.44 | 162 | 123443 | 4.85 | ng/uL | 97 |
| 45) Dimethylphthalate | 8.01 | 163 | 120760 | 4.64 | ng/uL | 99 |
| 46) Acenaphthylene | 8.12 | 152 | 166735 | 4.54 | ng/uL | 99 |
| 47) 2,6-Dinitrotoluene | 8.77 | 165 | 36800 | 4.40 | ng/uL | 74 |
| 48) 2-Nitroaniline | 7.65 | 65 | 41138 | 5.35 | ng/uL | 92 |

(#) = qualifier out of range (m) = manual integration
 SV140339.D SV1NJ.M Thu Aug 17 16:38:48 2006

Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\080906\SV140339.D Vial: 2
 Acq On : 9 Aug 106 11:57 am Operator: JLS
 Sample : BPH0116-CAL1 Inst : SVOA-MS1
 Misc : Multiplr: 1.00
 Quant Time: Aug 17 16:38 19106

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
 Title : ELEMENT ID: 0608031(SOIL) 0608030(AQUEOUS)
 Last Update : Thu Aug 17 16:37:27 2006
 Response via : Multiple Level Calibration

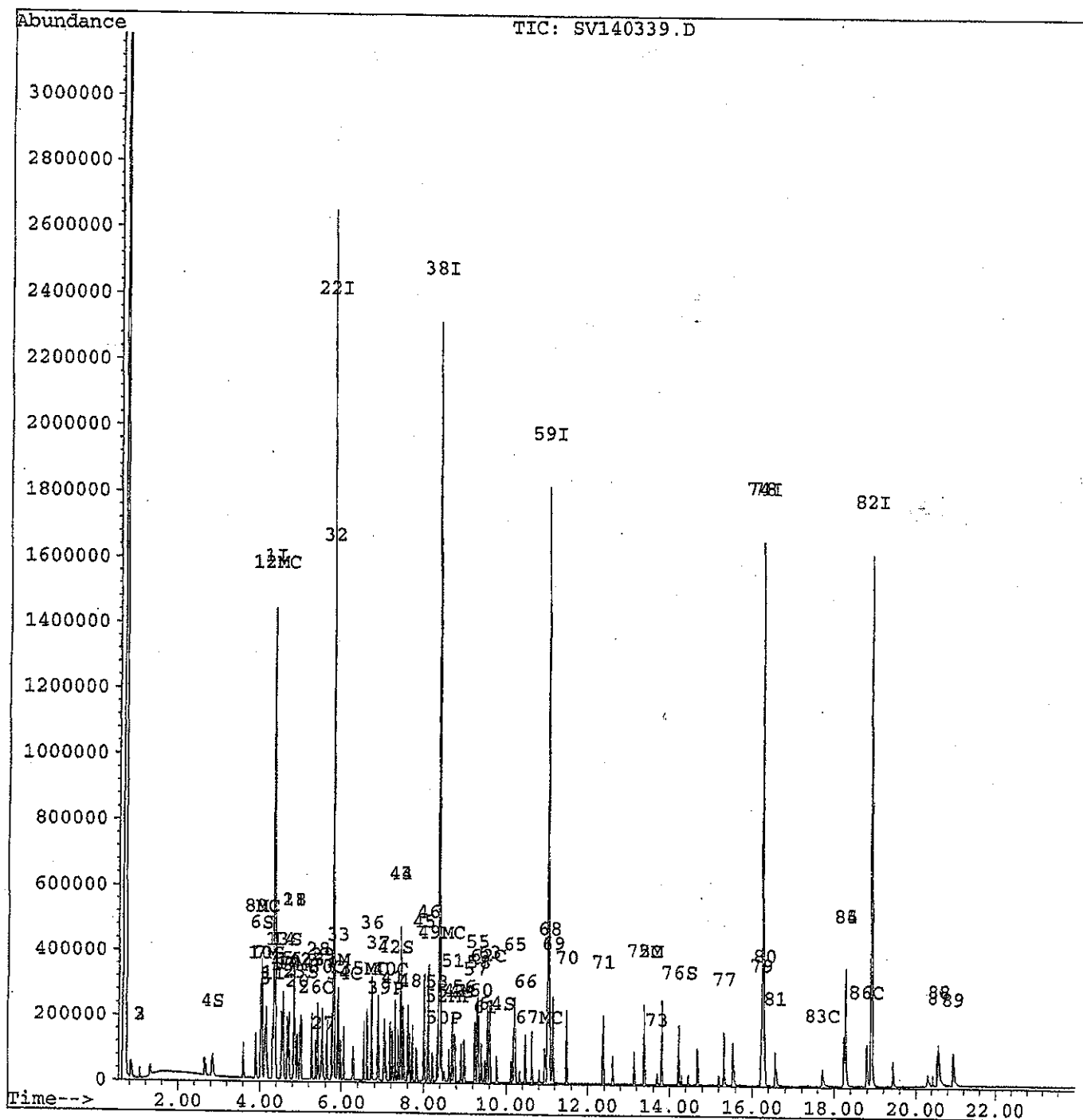
| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|-------|--------|--------|
| 49) Acenaphthene | 8.42 | 153 | 100941 | 4.51 | ng/uL | 99 |
| 50) 2,4-Dinitrophenol | 8.49 | 184 | 7872 | 7.70 | ng/uL | 87 |
| 51) Dibenzofuran | 8.70 | 168 | 143872 | 4.54 | ng/uL | 92 |
| 52) 4-Nitrophenol | 8.62 | 65 | 22654 | 4.60 | ng/uL | 84 |
| 53) 3-Nitroaniline | 8.33 | 65 | 41490 | 4.81 | ng/uL | 88 |
| 54) 2,4-Dinitrotoluene | 8.77 | 165 | 36800 | 4.40 | ng/uL | 83 |
| 55) Fluorene | 9.31 | 166 | 111162 | 4.50 | ng/uL | 98 |
| 56) 2,3,4,6-Tetrachlorophenol | 8.99 | 232 | 25351 | 4.00 | ng/uL | 97 |
| 57) Diethylphthalate | 9.25 | 149 | 118414 | 4.57 | ng/uL | 97 |
| 58) 4-Chloro-phenyl-phenyl eth | 9.33 | 204 | 52013 | 4.55 | ng/uL | 96 |
| 60) 4-Nitroaniline | 9.40 | 138 | 36935 | 4.46 | ng/uL | 84 |
| 61) 4,6-Dinitro-2-Methylphenol | 9.49 | 198 | 18911 | 6.80 | ng/uL | 92 |
| 62) N-nitrosodiphenylamine | 9.56 | 169 | 90374 | 4.45 | ng/uL | 99 |
| 63) Azobenzene | 9.60 | 77 | 142611 | 4.64 | ng/uL | 99 |
| 65) 4-Bromophenyl-phenylether | 10.22 | 248 | 27940 | 4.26 | ng/uL# | 80 |
| 66) Hexachlorobenzene | 10.47 | 284 | 34676 | 4.63 | ng/uL | 97 |
| 67) Pentachlorophenol | 10.81 | 266 | 10065 | 7.30 | ng/uL | 99 |
| 68) Phenanthrene | 11.07 | 178 | 153869 | 4.68 | ng/uL | 99 |
| 69) Anthracene | 11.15 | 178 | 151560 | 4.64 | ng/uL | 100 |
| 70) Carbazole | 11.49 | 167 | 143967 | 4.52 | ng/uL | 99 |
| 71) Di-n-butylphthalate | 12.37 | 149 | 196672 | 4.44 | ng/uL | 99 |
| 72) Fluoranthene | 13.38 | 202 | 145365 | 4.49 | ng/uL | 100 |
| 73) Benzidine | 13.70 | 184 | 24242 | 5.47 | ng/uL | 97 |
| 75) Pyrene | 13.38 | 202 | 145365 | 4.83 | ng/uL | 87 |
| 77) Butylbenzylphthalate | 15.32 | 149 | 77444 | 4.27 | ng/uL | 91 |
| 78) 3,3'-Dichlorobenzidine | 16.24 | 252 | 31581 | 3.98 | ng/uL | 98 |
| 79) Benzo(a)anthracene | 16.21 | 228 | 129994 | 4.44 | ng/uL | 99 |
| 80) Chrysene | 16.30 | 228 | 124116 | 4.73 | ng/uL | 100 |
| 81) bis(2-Ethylhexyl)phthalate | 16.56 | 149 | 83128 | 4.30 | ng/uL | 100 |
| 83) Di-n-octylphthalate | 17.71 | 149 | 107522 | 8.62 | ng/uL | 97 |
| 84) Benzo(b)fluoranthene | 18.27 | 252 | 150686 | 11.64 | ng/uL | 97 |
| 85) Benzo(k)fluoranthene | 18.27 | 252 | 145438 | 5.70 | ng/uLm | 94 |
| 86) Benzo(a)pyrene | 18.78 | 252 | 93367 | 6.60 | ng/uL | 97 |
| 87) Indeno(1,2,3-Cd)Pyrene | 20.55 | 276 | 109297 | 5.50 | ng/uL | 89 |
| 88) Dibenzo(a,h)Anthracene | 20.57 | 278 | 85647 | 5.53 | ng/uL | 87 |
| 89) Benzo(g,h,i)perylene | 20.94 | 276 | 103291 | 5.29 | ng/uL | 92 |

(#) = qualifier out of range (m) = manual integration
 SV140339.D SV1NJ.M Thu Aug 17 16:38:50 2006

Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\080906\SV140339.D Vial: 2
Acq On : 9 Aug 106 11:57 am Operator: JLS
Sample : BPH0116-CAL1 Inst : SVOA-MS1
Misc : Multiplr: 1.00
Quant Time: Aug 17 16:38 19106

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
Title : ELEMENT ID: 0608031(SOIL) 0608030(AQUEOUS)
Last Update : Thu Aug 17 16:37:27 2006
Response via : Multiple Level Calibration



Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\080906\SV140340.D
 Acq On : 9 Aug 106 12:27 pm
 Sample : BPH0116-CAL2
 Misc :
 Quant Time: Aug 10 16:15 19106

Vial: 3
 Operator: JLS
 Inst : SVOA-MS1
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
 Title : ELEMENT ID: 0607036(SOIL) 0607037(AQUEOUS)
 Last Update : Thu Aug 10 16:07:56 2006
 Response via : Multiple Level Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|---------------------------|-------|------|----------|-------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4 | 4.36 | 152 | 340255 | 40.00 | ng/uL | -0.01 |
| 22) Naphthalene-d8 | 5.80 | 136 | 1335215 | 40.00 | ng/uL | -0.01 |
| 38) Acenaphthene-d10 | 8.38 | 164 | 607526 | 40.00 | ng/uL | -0.02 |
| 59) Phenanthrene-d10 | 11.03 | 188 | 904078 | 40.00 | ng/uL | -0.02 |
| 74) Chrysene-d12 | 16.25 | 240 | 764802 | 40.00 | ng/uL | -0.02 |
| 82) Perylene-d12 | 18.89 | 264 | 790065 | 40.00 | ng/uL | -0.02 |

| System Monitoring Compounds | R.T. | QIon | Response | Conc | Units | %Recovery |
|----------------------------------|-------|------|----------|-------|-------|-----------|
| 4) 2-Fluorophenol (SURR) | 2.83 | 112 | 120535 | 6.52 | ng/uL | 4.35% |
| 6) Phenol-d5 (SURR) | 4.02 | 99 | 158646 | 9.78 | ng/uL | 6.52% |
| 10) 2-Chlorophenol-d4 (SURR) | 4.15 | 132 | 120206 | 9.91 | ng/uL | 6.61% |
| 13) 1,2 Dichlorobenzene-d4 (SUR) | 4.56 | 152 | 71348 | 9.82 | ng/uL | 9.82% |
| 23) Nitrobenzene-d5 (SURR) | 4.99 | 82 | 117184 | 9.28 | ng/uL | 9.28% |
| 42) 2-Fluorobiphenyl (SURR) | 7.30 | 172 | 189252 | 10.16 | ng/uL | 10.16% |
| 64) 2,4,6-Tribromophenol (SURR) | 9.77 | 330 | 26606 | 10.26 | ng/uL | 6.84% |
| 76) Terphenyl-d14 (SURR) | 14.22 | 244 | 158116 | 8.98 | ng/uL | 8.98% |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|---------------------------------|------|------|----------|-------|-------|--------|
| 2) N-Nitrosodimethylamine | 1.06 | 74 | 8567 | 15.30 | ng/uL | 97 |
| 3) Pyridine | 1.06 | 79 | 14404 | 14.97 | ng/uL | 97 |
| 5) bis(2-Chloroethyl) ether | 4.12 | 93 | 135824 | 10.15 | ng/uL | 90 |
| 7) 2-Chlorophenol | 4.17 | 128 | 122165 | 9.86 | ng/uL | 93 |
| 8) Phenol | 4.04 | 94 | 187069 | 9.42 | ng/uL | 95 |
| 9) Aniline | 4.05 | 93 | 191566 | 9.65 | ng/uL | 91 |
| 11) 1,3-Dichlorobenzene | 4.32 | 146 | 121654 | 9.25 | ng/uL | 98 |
| 12) 1,4-Dichlorobenzene | 4.38 | 146 | 130579 | 9.88 | ng/uL | 98 |
| 14) 1,2-Dichlorobenzene | 4.57 | 146 | 117931 | 10.22 | ng/uL | 99 |
| 15) Benzyl Alcohol | 4.53 | 79 | 92459 | 10.43 | ng/uL | 88 |
| 16) bis(2-chloroisopropyl) Ethe | 4.71 | 45 | 211536 | 12.43 | ng/uL | 96 |
| 17) 2-Methylphenol | 4.67 | 108 | 115572 | 10.20 | ng/uL | 99 |
| 18) Acetophenone | 4.82 | 105 | 149269 | 9.91 | ng/uL | 96 |
| 19) N-Nitroso-Di-n-Propylamine | 4.86 | 70 | 89676 | 10.90 | ng/uL | 97 |
| 20) Hexachloroethane | 4.91 | 117 | 52968 | 10.04 | ng/uL | 95 |
| 21) 3+4-Methylphenol | 4.83 | 108 | 122261 | 10.31 | ng/uL | 100 |
| 24) Nitrobenzene | 5.01 | 77 | 121491 | 9.66 | ng/uL | 97 |
| 25) Isophorone | 5.27 | 82 | 221016 | 8.86 | ng/uL | 99 |
| 26) 2-Nitrophenol | 5.37 | 139 | 69890 | 8.94 | ng/uL | 95 |
| 27) Benzoic Acid | 5.52 | 105 | 54153 | 11.15 | ng/uL | 96 |
| 28) 2,4-Dimethylphenol | 5.42 | 107 | 102715 | 9.22 | ng/uL | 92 |
| 29) bis(2-Chloroethoxy) methane | 5.52 | 93 | 150287 | 8.89 | ng/uL | 86 |
| 30) 2,4-Dichlorophenol | 5.64 | 162 | 81480 | 8.91 | ng/uL | 94 |
| 31) 1,2,4-Trichlorobenzene | 5.75 | 180 | 90384 | 9.94 | ng/uL | 97 |
| 32) Naphthalene | 5.82 | 128 | 340511 | 10.63 | ng/uL | 99 |
| 33) 4-Chloroaniline | 5.91 | 127 | 141445 | 9.86 | ng/uL | 98 |
| 34) Hexachlorobutadiene | 6.06 | 225 | 42226 | 10.48 | ng/uL | 98 |
| 35) 4-Chloro-3-Methylphenol | 6.54 | 107 | 87998 | 8.96 | ng/uL | 90 |
| 36) 2-Methylnaphthalene | 6.73 | 142 | 191565 | 9.09 | ng/uL | 99 |
| 37) 1-Methylnaphthalene | 6.88 | 142 | 188803 | 9.03 | ng/uL | 100 |
| 39) Hexachlorocyclopentadiene | 7.07 | 237 | 46718 | 12.87 | ng/uL | 99 |
| 40) 2,4,6-Trichlorophenol | 7.18 | 196 | 55790 | 9.90 | ng/uL | 99 |
| 41) 2,4,5-Trichlorophenol | 7.23 | 196 | 57914 | 9.75 | ng/uL | 99 |
| 43) Biphenyl | 7.44 | 154 | 212352 | 9.48 | ng/uL | 97 |
| 44) 2-Chloronaphthalene | 7.45 | 162 | 205021 | 9.93 | ng/uL | 96 |
| 45) Dimethylphthalate | 8.01 | 163 | 198835 | 10.49 | ng/uL | 99 |
| 46) Acenaphthylene | 8.12 | 152 | 274929 | 9.42 | ng/uL | 99 |
| 47) 2,6-Dinitrotoluene | 8.77 | 165 | 64667 | 11.40 | ng/uL | 77 |
| 48) 2-Nitroaniline | 7.65 | 65 | 69076 | 11.30 | ng/uL | 89 |

(#) = qualifier out of range (m) = manual integration
 SV140340.D SV1NJ.M Thu Aug 10 16:16:04 2006

Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\080906\SV140340.D
 Acq On : 9 Aug 106 12:27 pm
 Sample : BPH0116-CAL2
 Misc :
 Quant Time: Aug 10 16:15 19106

Vial: 3
 Operator: JLS
 Inst : SVOA-MS1
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
 Title : ELEMENT ID: 0607036(SOIL) 0607037(AQUEOUS)
 Last Update : Thu Aug 10 16:07:56 2006
 Response via : Multiple Level Calibration

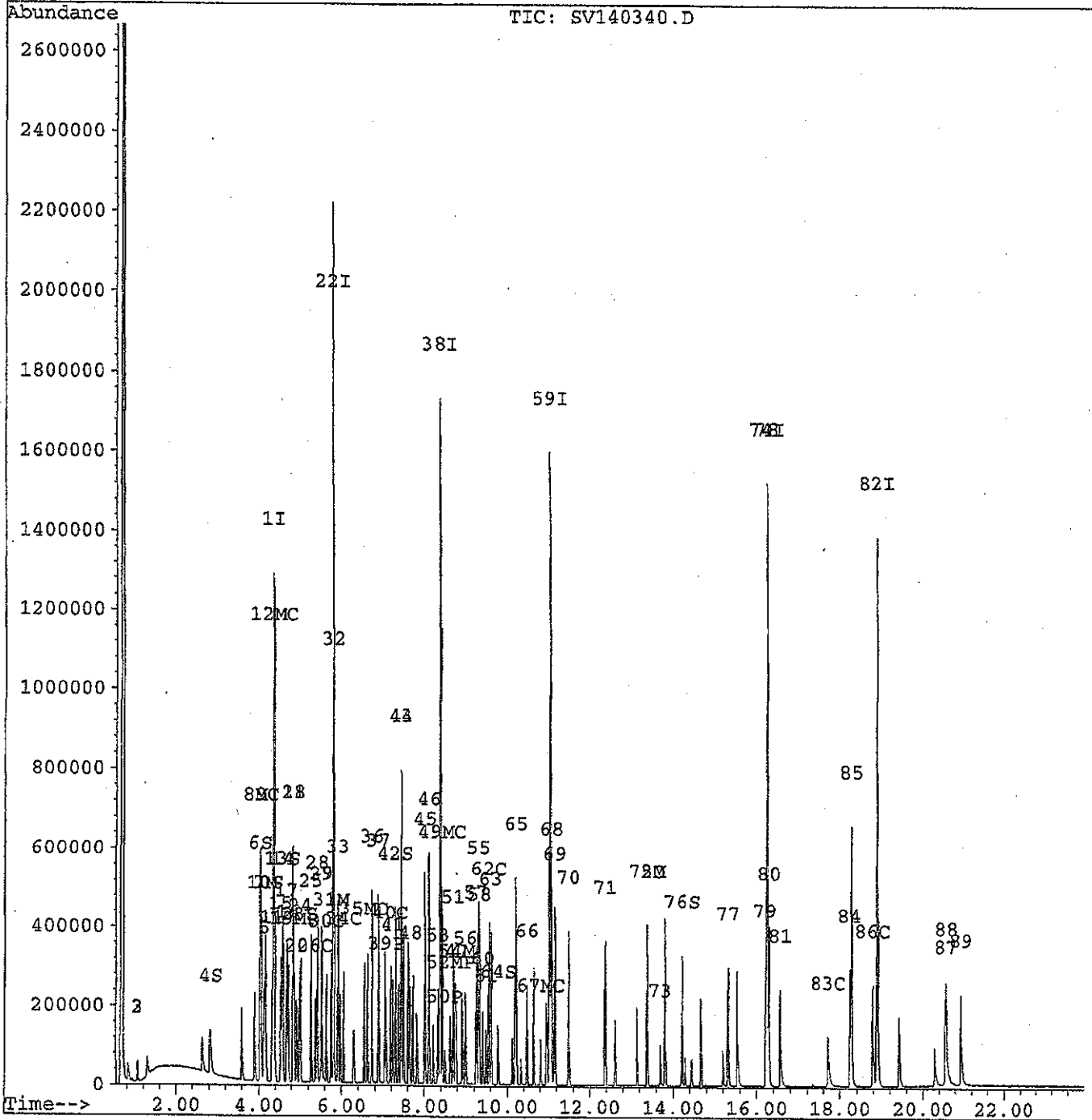
| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|-------|--------|--------|
| 49) Acenaphthene | 8.43 | 153 | 168274 | 9.53 | ng/uL | 98 |
| 50) 2,4-Dinitrophenol | 8.49 | 184 | 20527 | 9.89 | ng/uL | 87 |
| 51) Dibenzofuran | 8.70 | 168 | 235333 | 9.57 | ng/uL | 92 |
| 52) 4-Nitrophenol | 8.62 | 65 | 38746 | 9.44 | ng/uL | 83 |
| 53) 3-Nitroaniline | 8.33 | 65 | 69125 | 10.51 | ng/uL | 92 |
| 54) 2,4-Dinitrotoluene | 8.77 | 165 | 64667 | 9.73 | ng/uL | 80 |
| 55) Fluorene | 9.31 | 166 | 188639 | 9.80 | ng/uL | 99 |
| 56) 2,3,4,6-Tetrachlorophenol | 8.99 | 232 | 44421 | 10.13 | ng/uL | 97 |
| 57) Diethylphthalate | 9.25 | 149 | 198685 | 10.03 | ng/uL | 99 |
| 58) 4-Chloro-phenyl-phenyl eth | 9.33 | 204 | 86811 | 10.59 | ng/uL | 93 |
| 60) 4-Nitroaniline | 9.41 | 138 | 64189 | 8.84 | ng/uL | 94 |
| 61) 4,6-Dinitro-2-Methylphenol | 9.49 | 198 | 35165 | 7.91 | ng/uL | 91 |
| 62) N-nitrosodiphenylamine | 9.55 | 169 | 157737 | 9.38 | ng/uL | 100 |
| 63) Azobenzene | 9.60 | 77 | 230060 | 8.58 | ng/uL | 99 |
| 65) 4-Bromophenyl-phenylether | 10.22 | 248 | 45518 | 9.76 | ng/uL# | 81 |
| 66) Hexachlorobenzene | 10.47 | 284 | 55563 | 10.25 | ng/uL | 98 |
| 67) Pentachlorophenol | 10.81 | 266 | 23739 | 10.45 | ng/uL | 95 |
| 68) Phenanthrene | 11.07 | 178 | 264371 | 9.88 | ng/uL | 99 |
| 69) Anthracene | 11.15 | 178 | 259742 | 9.34 | ng/uL | 99 |
| 70) Carbazole | 11.49 | 167 | 246978 | 8.93 | ng/uL | 99 |
| 71) Di-n-butylphthalate | 12.37 | 149 | 341756 | 8.53 | ng/uL | 99 |
| 72) Fluoranthene | 13.38 | 202 | 248576 | 9.43 | ng/uL | 98 |
| 73) Benzidine | 13.70 | 184 | 60266 | 5.79 | ng/uL | 100 |
| 75) Pyrene | 13.38 | 202 | 248576 | 8.59 | ng/uL | 88 |
| 77) Butylbenzylphthalate | 15.32 | 149 | 141481 | 7.64 | ng/uL | 94 |
| 78) 3,3'-Dichlorobenzidine | 16.24 | 252 | 66760 | 7.90 | ng/uL | 96 |
| 79) Benzo(a)anthracene | 16.21 | 228 | 221398 | 8.49 | ng/uL | 100 |
| 80) Chrysene | 16.30 | 228 | 210733 | 9.32 | ng/uL | 99 |
| 81) bis(2-Ethylhexyl)phthalate | 16.56 | 149 | 164462 | 6.69 | ng/uL | 99 |
| 83) Di-n-octylphthalate | 17.71 | 149 | 217508 | 5.36 | ng/uL | 100 |
| 84) Benzo(b)fluoranthene | 18.23 | 252 | 166095 | 6.03 | ng/uLm | 97 |
| 85) Benzo(k)fluoranthene | 18.28 | 252 | 267063 | 8.31 | ng/uL | 92 |
| 86) Benzo(a)pyrene | 18.79 | 252 | 179158 | 8.08 | ng/uL | 98 |
| 87) Indeno(1,2,3-Cd)Pyrene | 20.55 | 276 | 208146 | 8.61 | ng/uL | 85 |
| 88) Dibenzo(a,h)Anthracene | 20.58 | 278 | 167378 | 8.56 | ng/uL | 86 |
| 89) Benzo(g,h,i)perylene | 20.93 | 276 | 189285 | 9.07 | ng/uL | 98 |

(#) = qualifier out of range (m) = manual integration
 SV140340.D SV1NJ.M Thu Aug 10 16:16:06 2006

Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\080906\SV140340.D Vial: 3
Acq On : 9 Aug 106 12:27 pm Operator: JLS
Sample : BPH0116-CAL2 Inst : SVOA-MS1
Misc : Multiplr: 1.00
Quant Time: Aug 10 16:15 19106

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
Title : ELEMENT ID: 0607036(SOIL) 0607037(AQUEOUS)
Last Update : Thu Aug 10 16:07:56 2006
Response via : Multiple Level Calibration



Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\080906\SV140341.D Vial: 4
 Acq On : 9 Aug 106 12:58 pm Operator: JLS
 Sample : BPH0116-CAL3 Inst : SVOA-MS1
 Misc : Multiplr: 1.00
 Quant Time: Aug 10 16:18 19106

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
 Title : ELEMENT ID: 0607036(SOIL) 0607037(AQUEOUS)
 Last Update : Thu Aug 10 16:19:11 2006
 Response via : Multiple Level Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 4.36 | 152 | 371112 | 40.00 | ng/uL | 0.00 |
| 22) Naphthalene-d8 | 5.80 | 136 | 1426108 | 40.00 | ng/uL | 0.00 |
| 38) Acenaphthene-d10 | 8.39 | 164 | 641189 | 40.00 | ng/uL | 0.00 |
| 59) Phenanthrene-d10 | 11.04 | 188 | 997347 | 40.00 | ng/uL | 0.00 |
| 74) Chrysene-d12 | 16.26 | 240 | 874999 | 40.00 | ng/uL | 0.00 |
| 82) Perylene-d12 | 18.91 | 264 | 854519 | 40.00 | ng/uL | 0.00 |

| System Monitoring Compounds | R.T. | QIon | Response | Conc | Units | %Recovery |
|----------------------------------|-------|------|----------|-------|-------|-----------|
| 4) 2-Fluorophenol (SURR) | 2.83 | 112 | 354244 | 95.81 | ng/uL | 63.88% |
| 6) Phenol-d5 (SURR) | 4.03 | 99 | 451922 | 25.58 | ng/uL | 17.06% |
| 10) 2-Chlorophenol-d4 (SURR) | 4.15 | 132 | 348524 | 26.60 | ng/uL | 17.73% |
| 13) 1,2 Dichlorobenzene-d4 (SUR) | 4.57 | 152 | 208044 | 26.71 | ng/uL | 26.71% |
| 23) Nitrobenzene-d5 (SURR) | 4.99 | 82 | 330800 | 24.80 | ng/uL | 24.80% |
| 42) 2-Fluorobiphenyl (SURR) | 7.31 | 172 | 548097 | 28.24 | ng/uL | 28.24% |
| 64) 2,4,6-Tribromophenol (SURR) | 9.78 | 330 | 81627 | 27.78 | ng/uL | 18.52% |
| 76) Terphenyl-d14 (SURR) | 14.23 | 244 | 477535 | 24.31 | ng/uL | 24.31% |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|---------------------------------|------|------|----------|-------|--------|--------|
| 2) N-Nitrosodimethylamine | 1.06 | 74 | 27513 | 40.64 | ng/uL | 92 |
| 3) Pyridine | 1.06 | 79 | 47478 | 40.94 | ng/uL | 100 |
| 5) bis(2-Chloroethyl) ether | 4.12 | 93 | 375251 | 25.93 | ng/uL | 88 |
| 7) 2-Chlorophenol | 4.17 | 128 | 361240 | 26.91 | ng/uL | 94 |
| 8) Phenol | 4.04 | 94 | 544126 | 25.17 | ng/uL | 90 |
| 9) Aniline | 4.06 | 93 | 561248 | 26.18 | ng/uL | 99 |
| 11) 1,3-Dichlorobenzene | 4.32 | 146 | 343906 | 24.30 | ng/uL | 100 |
| 12) 1,4-Dichlorobenzene | 4.38 | 146 | 371708 | 25.91 | ng/uL | 99 |
| 14) 1,2-Dichlorobenzene | 4.59 | 146 | 336371 | 27.01 | ng/uL | 98 |
| 15) Benzyl Alcohol | 4.54 | 79 | 264153 | 27.26 | ng/uL | 92 |
| 16) bis(2-chloroisopropyl) Ethe | 4.71 | 45 | 577226 | 30.30 | ng/uL | 95 |
| 17) 2-Methylphenol | 4.67 | 108 | 327469 | 26.54 | ng/uL | 97 |
| 18) Acetophenone | 4.82 | 105 | 430254 | 26.39 | ng/uL | 98 |
| 19) N-Nitroso-Di-n-Propylamine | 4.86 | 70 | 259284 | 28.81 | ng/uL | 94 |
| 20) Hexachloroethane | 4.91 | 117 | 144767 | 25.37 | ng/uL | 85 |
| 21) 3+4-Methylphenol | 4.84 | 108 | 352797 | 27.46 | ng/uL | 98 |
| 24) Nitrobenzene | 5.01 | 77 | 344401 | 25.88 | ng/uL | 97 |
| 25) Isophorone | 5.28 | 82 | 640142 | 24.45 | ng/uL | 94 |
| 26) 2-Nitrophenol | 5.38 | 139 | 204563 | 24.65 | ng/uL | 88 |
| 27) Benzoic Acid | 5.59 | 105 | 211352 | 23.52 | ng/uLm | 85 |
| 28) 2,4-Dimethylphenol | 5.42 | 107 | 291603 | 24.68 | ng/uL | 91 |
| 29) bis(2-Chloroethoxy)methane | 5.54 | 93 | 417673 | 23.51 | ng/uL | 92 |
| 30) 2,4-Dichlorophenol | 5.64 | 162 | 242604 | 25.11 | ng/uL | 95 |
| 31) 1,2,4-Trichlorobenzene | 5.75 | 180 | 254105 | 26.14 | ng/uL | 98 |
| 32) Naphthalene | 5.83 | 128 | 940564 | 27.55 | ng/uL | 99 |
| 33) 4-Chloroaniline | 5.91 | 127 | 419196 | 27.81 | ng/uL | 100 |
| 34) Hexachlorobutadiene | 6.06 | 225 | 123043 | 28.58 | ng/uL | 98 |
| 35) 4-Chloro-3-Methylphenol | 6.56 | 107 | 249067 | 24.21 | ng/uL | 89 |
| 36) 2-Methylnaphthalene | 6.73 | 142 | 561939 | 25.45 | ng/uL | 99 |
| 37) 1-Methylnaphthalene | 6.89 | 142 | 560209 | 25.67 | ng/uL | 100 |
| 39) Hexachlorocyclopentadiene | 7.07 | 237 | 143152 | 35.27 | ng/uL | 99 |
| 40) 2,4,6-Trichlorophenol | 7.18 | 196 | 162610 | 27.34 | ng/uL | 98 |
| 41) 2,4,5-Trichlorophenol | 7.24 | 196 | 173080 | 27.91 | ng/uL | 100 |
| 43) Biphenyl | 7.44 | 154 | 632847 | 27.57 | ng/uL | 97 |
| 44) 2-Chloronaphthalene | 7.45 | 162 | 578698 | 26.59 | ng/uL | 99 |
| 45) Dimethylphthalate | 8.02 | 163 | 553357 | 27.85 | ng/uL | 99 |
| 46) Acenaphthylene | 8.12 | 152 | 800419 | 26.82 | ng/uL | 99 |
| 47) 2,6-Dinitrotoluene | 8.78 | 165 | 183573 | 29.94 | ng/uL | 79 |
| 48) 2-Nitroaniline | 7.66 | 65 | 185130 | 28.67 | ng/uL | 96 |

(#) = qualifier out of range (m) = manual integration
 SV140341.D SV1NJ.M Thu Aug 10 16:21:05 2006

Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\080906\SV140341.D
 Acq On : 9 Aug 106 12:58 pm
 Sample : BPH0116-CAL3
 Misc :
 Quant Time: Aug 10 16:18 19106

Vial: 4
 Operator: JLS
 Inst : SVOA-MS1
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
 Title : ELEMENT ID: 0607036(SOIL) 0607037(AQUEOUS)
 Last Update : Thu Aug 10 16:19:11 2006
 Response via : Multiple Level Calibration

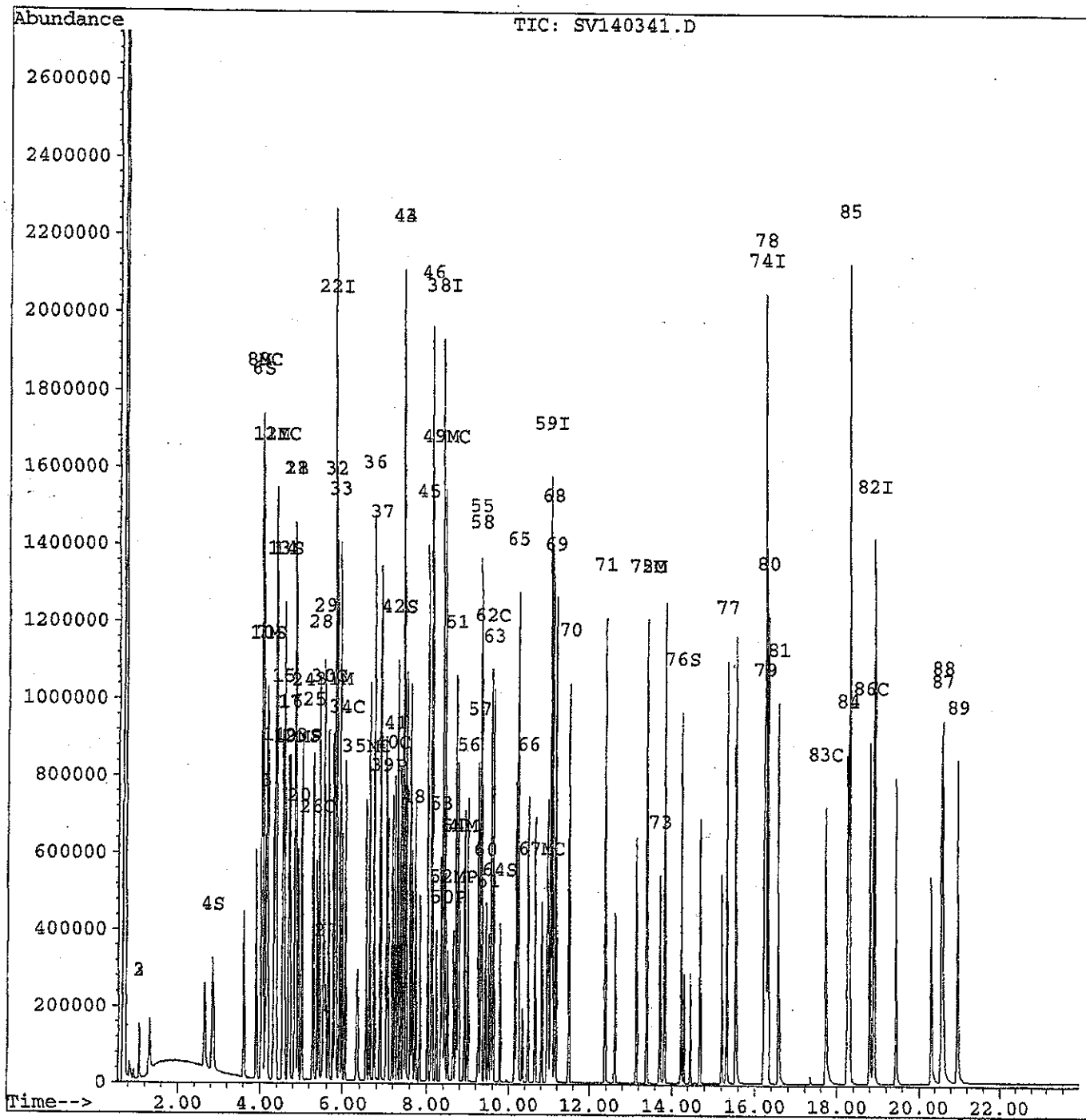
| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|-------|--------|--------|
| 49) Acenaphthene | 8.44 | 153 | 481791 | 26.41 | ng/uL | 99 |
| 50) 2,4-Dinitrophenol | 8.51 | 184 | 86671 | 25.64 | ng/uL | 91 |
| 51) Dibenzofuran | 8.70 | 168 | 681346 | 26.66 | ng/uL | 94 |
| 52) 4-Nitrophenol | 8.64 | 65 | 109391 | 26.38 | ng/uL | 83 |
| 53) 3-Nitroaniline | 8.34 | 65 | 194959 | 28.21 | ng/uL | 92 |
| 54) 2,4-Dinitrotoluene | 8.78 | 165 | 183573 | 26.14 | ng/uL | 78 |
| 55) Fluorene | 9.31 | 166 | 563862 | 28.17 | ng/uL | 99 |
| 56) 2,3,4,6-Tetrachlorophenol | 9.00 | 232 | 134634 | 29.01 | ng/uL | 97 |
| 57) Diethylphthalate | 9.26 | 149 | 573458 | 27.94 | ng/uL | 97 |
| 58) 4-Chloro-phenyl-phenyl eth | 9.33 | 204 | 258989 | 30.03 | ng/uL | 92 |
| 60) 4-Nitroaniline | 9.43 | 138 | 185964 | 23.71 | ng/uL | 95 |
| 61) 4,6-Dinitro-2-Methylphenol | 9.51 | 198 | 120391 | 23.61 | ng/uL | 92 |
| 62) N-nitrosodiphenylamine | 9.57 | 169 | 455115 | 25.16 | ng/uL | 98 |
| 63) Azobenzene | 9.62 | 77 | 654670 | 22.92 | ng/uL | 94 |
| 65) 4-Bromophenyl-phenylether | 10.22 | 248 | 142635 | 27.79 | ng/uL# | 82 |
| 66) Hexachlorobenzene | 10.48 | 284 | 158149 | 26.24 | ng/uL | 93 |
| 67) Pentachlorophenol | 10.82 | 266 | 87710 | 26.19 | ng/uL | 97 |
| 68) Phenanthrene | 11.08 | 178 | 748024 | 25.69 | ng/uL | 99 |
| 69) Anthracene | 11.16 | 178 | 760647 | 25.36 | ng/uL | 99 |
| 70) Carbazole | 11.50 | 167 | 710386 | 23.84 | ng/uL | 98 |
| 71) Di-n-butylphthalate | 12.37 | 149 | 1005599 | 23.42 | ng/uL | 99 |
| 72) Fluoranthene | 13.39 | 202 | 730122 | 25.45 | ng/uL | 99 |
| 73) Benzidine | 13.71 | 184 | 304699 | 21.12 | ng/uL | 98 |
| 75) Pyrene | 13.39 | 202 | 730122 | 22.88 | ng/uL | 87 |
| 77) Butylbenzylphthalate | 15.32 | 149 | 435411 | 21.55 | ng/uL | 97 |
| 78) 3,3'-Dichlorobenzidine | 16.25 | 252 | 248265 | 26.87 | ng/uL | 96 |
| 79) Benzo(a)anthracene | 16.22 | 228 | 686089 | 23.62 | ng/uL | 100 |
| 80) Chrysene | 16.31 | 228 | 635705 | 25.29 | ng/uL | 100 |
| 81) bis(2-Ethylhexyl)phthalate | 16.56 | 149 | 557713 | 21.13 | ng/uL | 99 |
| 83) Di-n-octylphthalate | 17.71 | 149 | 874365 | 21.72 | ng/uL | 99 |
| 84) Benzo(b)fluoranthene | 18.24 | 252 | 576390 | 20.01 | ng/uLm | 96 |
| 85) Benzo(k)fluoranthene | 18.29 | 252 | 780369 | 35.73 | ng/uL | 96 |
| 86) Benzo(a)pyrene | 18.80 | 252 | 592662 | 25.65 | ng/uL | 95 |
| 87) Indeno(1,2,3-Cd)Pyrene | 20.56 | 276 | 697424 | 27.47 | ng/uL | 90 |
| 88) Dibenzo(a,h)Anthracene | 20.59 | 278 | 560385 | 27.33 | ng/uL | 89 |
| 89) Benzo(g,h,i)perylene | 20.96 | 276 | 594814 | 27.07 | ng/uL | 95 |

(#) = qualifier out of range (m) = manual integration
 SV140341.D SV1NJ.M Thu Aug 10 16:21:07 2006

Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\080906\SV140341.D Vial: 4
Acq On : 9 Aug 106 12:58 pm Operator: JLS
Sample : BPH0116-CAL3 Inst : SVOA-MS1
Misc : Multiplr: 1.00
Quant Time: Aug 10 16:18 19106

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
Title : ELEMENT ID: 0607036(SOIL) 0607037(AQUEOUS)
Last Update : Thu Aug 10 16:19:11 2006
Response via : Multiple Level Calibration



Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\080906\SV140342.D Vial: 5
 Acq On : 9 Aug 106 1:29 pm Operator: JLS
 Sample : BPH0116-CAL4 Inst : SVOA-MS1
 Misc : Multiplr: 1.00
 Quant Time: Aug 10 12:17 19106

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
 Title : ELEMENT ID: 0607036(SOIL) 0607037(AQUEOUS)
 Last Update : Tue Aug 01 09:47:48 2006
 Response via : Multiple Level Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 4.37 | 152 | 379840 | 40.00 | ng/uL | -0.01 |
| 22) Naphthalene-d8 | 5.81 | 136 | 1427501 | 40.00 | ng/uL | -0.02 |
| 38) Acenaphthene-d10 | 8.39 | 164 | 634938 | 40.00 | ng/uL | -0.02 |
| 59) Phenanthrene-d10 | 11.05 | 188 | 977198 | 40.00 | ng/uL | -0.02 |
| 74) Chrysene-d12 | 16.27 | 240 | 919442 | 40.00 | ng/uL | -0.03 |
| 82) Perylene-d12 | 18.91 | 264 | 856040 | 40.00 | ng/uL | -0.03 |

| System Monitoring Compounds | R.T. | QIon | Response | Conc | Units | %Recovery |
|----------------------------------|-------|------|----------|--------|-------|-----------|
| 4) 2-Fluorophenol (SURR) | 2.84 | 112 | 728201 | 242.92 | ng/uL | 161.94% |
| 6) Phenol-d5 (SURR) | 4.04 | 99 | 947160 | 52.17 | ng/uL | 34.78% |
| 10) 2-Chlorophenol-d4 (SURR) | 4.16 | 132 | 730001 | 53.23 | ng/uL | 35.49% |
| 13) 1,2 Dichlorobenzene-d4 (SUR) | 4.57 | 152 | 440670 | 53.29 | ng/uL | 53.29% |
| 23) Nitrobenzene-d5 (SURR) | 5.00 | 82 | 675830 | 49.30 | ng/uL | 49.30% |
| 42) 2-Fluorobiphenyl (SURR) | 7.32 | 172 | 1138819 | 57.86 | ng/uL | 57.86% |
| 64) 2,4,6-Tribromophenol (SURR) | 9.79 | 330 | 187702 | 72.53 | ng/uL | 48.35% |
| 76) Terphenyl-d14 (SURR) | 14.23 | 244 | 1036594 | 47.09 | ng/uL | 47.09% |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|--------------------------------|------|------|----------|--------|--------|--------|
| 2) N-Nitrosodimethylamine | 1.06 | 74 | 52346 | 110.60 | ng/uL | 87 |
| 3) Pyridine | 1.06 | 79 | 93520 | 113.14 | ng/uL | 95 |
| 5) bis(2-Chloroethyl)ether | 4.13 | 93 | 767939 | 50.52 | ng/uL | 91 |
| 7) 2-Chlorophenol | 4.18 | 128 | 761132 | 55.35 | ng/uL | 97 |
| 8) Phenol | 4.05 | 94 | 1131428 | 49.83 | ng/uL | 97 |
| 9) Aniline | 4.06 | 93 | 1166555 | 52.47 | ng/uL | 75 |
| 11) 1,3-Dichlorobenzene | 4.33 | 146 | 745141 | 50.66 | ng/uL | 100 |
| 12) 1,4-Dichlorobenzene | 4.38 | 146 | 745995 | 49.97 | ng/uL | 99 |
| 14) 1,2-Dichlorobenzene | 4.59 | 146 | 700955 | 54.13 | ng/uL | 99 |
| 15) Benzyl Alcohol | 4.55 | 79 | 541661 | 55.74 | ng/uL | 89 |
| 16) bis(2-chloroisopropyl)Ethe | 4.71 | 45 | 1117846 | 61.61 | ng/uL | 94 |
| 17) 2-Methylphenol | 4.68 | 108 | 671445 | 52.85 | ng/uL | 99 |
| 18) Acetophenone | 4.83 | 105 | 868709 | 50.97 | ng/uL | 98 |
| 19) N-Nitroso-Di-n-Propylamine | 4.88 | 70 | 527348 | 58.05 | ng/uL | 99 |
| 20) Hexachloroethane | 4.92 | 117 | 305647 | 51.63 | ng/uL | 74 |
| 21) 3+4-Methylphenol | 4.85 | 108 | 733022 | 55.75 | ng/uLm | 1 |
| 24) Nitrobenzene | 5.02 | 77 | 692573 | 51.17 | ng/uL | 99 |
| 25) Isophorone | 5.29 | 82 | 1313663 | 48.45 | ng/uL | 96 |
| 26) 2-Nitrophenol | 5.38 | 139 | 433312 | 51.88 | ng/uL | 93 |
| 27) Benzoic Acid | 5.64 | 105 | 528964 | 47.71 | ng/uL | 92 |
| 28) 2,4-Dimethylphenol | 5.43 | 107 | 610075 | 50.54 | ng/uL | 93 |
| 29) bis(2-Chloroethoxy)methane | 5.54 | 93 | 856346 | 46.32 | ng/uL | 95 |
| 30) 2,4-Dichlorophenol | 5.65 | 162 | 515750 | 52.64 | ng/uL | 94 |
| 31) 1,2,4-Trichlorobenzene | 5.76 | 180 | 537420 | 56.11 | ng/uL | 97 |
| 32) Naphthalene | 5.83 | 128 | 1876324 | 54.74 | ng/uL | 99 |
| 33) 4-Chloroaniline | 5.93 | 127 | 897199 | 58.46 | ng/uL | 99 |
| 34) Hexachlorobutadiene | 6.06 | 225 | 260967 | 61.68 | ng/uL | 99 |
| 35) 4-Chloro-3-Methylphenol | 6.56 | 107 | 534666 | 49.55 | ng/uL | 93 |
| 36) 2-Methylnaphthalene | 6.74 | 142 | 1153453 | 50.15 | ng/uL | 99 |
| 37) 1-Methylnaphthalene | 6.90 | 142 | 1159379 | 50.59 | ng/uL | 100 |
| 39) Hexachlorocyclopentadiene | 7.08 | 237 | 306941 | 95.77 | ng/uL | 98 |
| 40) 2,4,6-Trichlorophenol | 7.20 | 196 | 344181 | 59.72 | ng/uL | 99 |
| 41) 2,4,5-Trichlorophenol | 7.26 | 196 | 377534 | 61.00 | ng/uL | 98 |
| 43) Biphenyl | 7.46 | 154 | 1328897 | 55.51 | ng/uL | 99 |
| 44) 2-Chloronaphthalene | 7.47 | 162 | 1169350 | 55.05 | ng/uL | 96 |
| 45) Dimethylphthalate | 8.04 | 163 | 1154386 | 57.95 | ng/uL | 99 |
| 46) Acenaphthylene | 8.14 | 152 | 1697623 | 53.76 | ng/uL | 100 |
| 47) 2,6-Dinitrotoluene | 8.80 | 165 | 373315 | 66.04 | ng/uL | 73 |
| 48) 2-Nitroaniline | 7.67 | 65 | 320230 | 49.51 | ng/uL | 93 |

(#) = qualifier out of range (m) = manual integration
 SV140342.D SV1NJ.M Thu Aug 10 16:01:31 2006

Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\080906\SV140342.D Vial: 5
 Acq On : 9 Aug 106 1:29 pm Operator: JLS
 Sample : BPH0116-CAL4 Inst : SVOA-MS1
 Misc : Multiplr: 1.00
 Quant Time: Aug 10 12:17 19106

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
 Title : ELEMENT ID: 0607036(SOIL) 0607037(AQUEOUS)
 Last Update : Tue Aug 01 09:47:48 2006
 Response via : Multiple Level Calibration

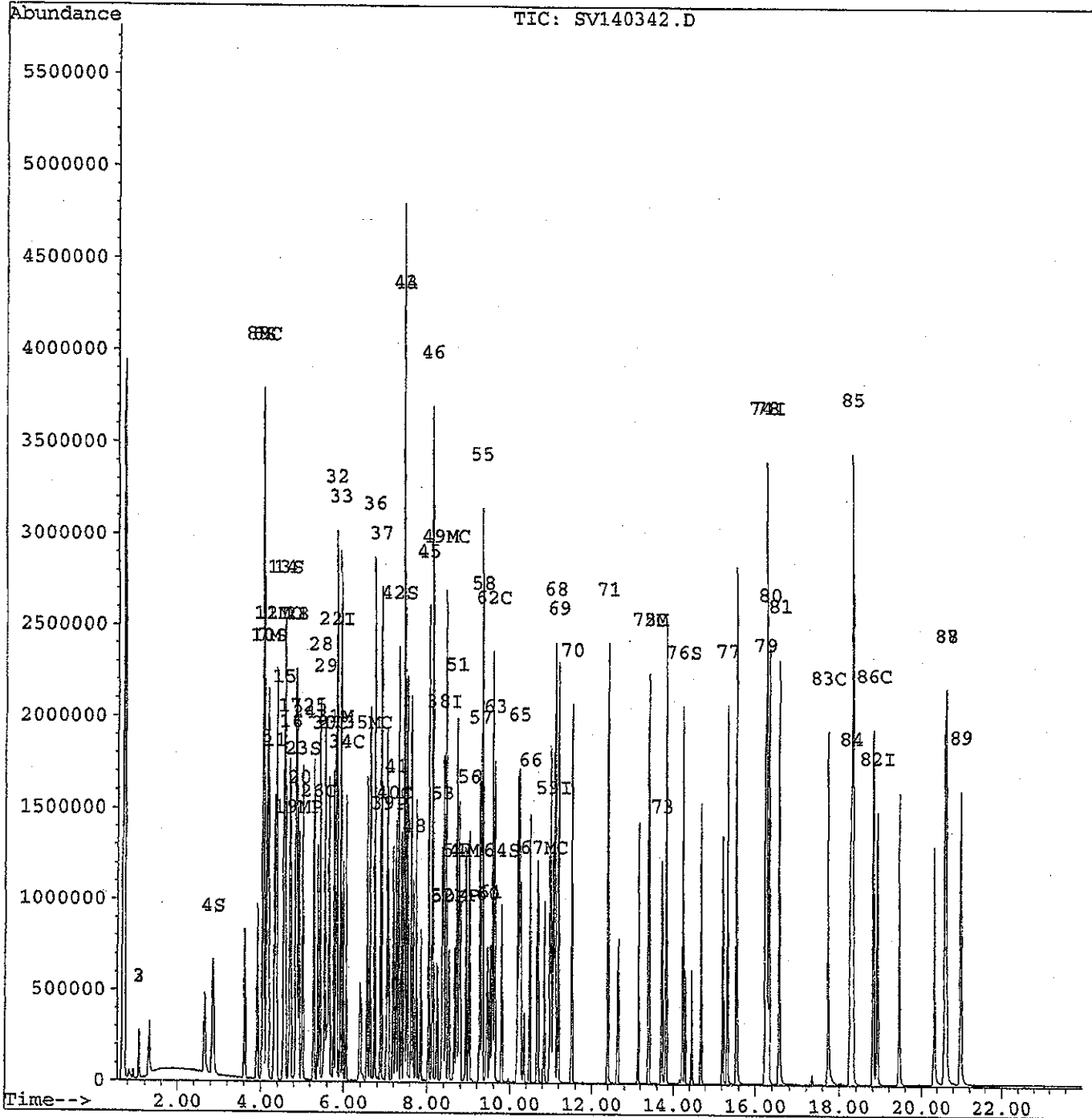
| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|-------|--------|--------|
| 49) Acenaphthene | 8.44 | 153 | 1027755 | 54.21 | ng/uL | 100 |
| 50) 2,4-Dinitrophenol | 8.52 | 184 | 206204 | 56.77 | ng/uL | 92 |
| 51) Dibenzofuran | 8.72 | 168 | 1420514 | 54.43 | ng/uL | 91 |
| 52) 4-Nitrophenol | 8.66 | 65 | 223494 | 55.75 | ng/uL | 85 |
| 53) 3-Nitroaniline | 8.37 | 65 | 387877 | 56.06 | ng/uLm | 58 |
| 54) 2,4-Dinitrotoluene | 8.80 | 165 | 373315 | 53.37 | ng/uL | 84 |
| 55) Fluorene | 9.33 | 166 | 1154746 | 56.67 | ng/uL | 99 |
| 56) 2,3,4,6-Tetrachlorophenol | 9.02 | 232 | 288612 | 64.64 | ng/uLm | 94 |
| 57) Diethylphthalate | 9.27 | 149 | 1169529 | 54.82 | ng/uL | 98 |
| 58) 4-Chloro-phenyl-phenyl eth | 9.35 | 204 | 542364 | 64.31 | ng/uL | 88 |
| 60) 4-Nitroaniline | 9.45 | 138 | 381681 | 47.32 | ng/uL | 92 |
| 61) 4,6-Dinitro-2-Methylphenol | 9.53 | 198 | 268301 | 54.40 | ng/uL | 92 |
| 62) N-nitrosodiphenylamine | 9.58 | 169 | 947810 | 50.10 | ng/uL | 98 |
| 63) Azobenzene | 9.62 | 77 | 1444376 | 47.67 | ng/uL | 97 |
| 65) 4-Bromophenyl-phenylether | 10.23 | 248 | 305083 | 62.19 | ng/uL# | 81 |
| 66) Hexachlorobenzene | 10.48 | 284 | 343368 | 60.89 | ng/uL | 99 |
| 67) Pentachlorophenol | 10.83 | 266 | 207340 | 59.28 | ng/uL | 99 |
| 68) Phenanthrene | 11.10 | 178 | 1521054 | 51.55 | ng/uL | 99 |
| 69) Anthracene | 11.18 | 178 | 1574692 | 50.70 | ng/uL | 99 |
| 70) Carbazole | 11.52 | 167 | 1510366 | 48.77 | ng/uL | 98 |
| 71) Di-n-butylphthalate | 12.39 | 149 | 2097243 | 46.10 | ng/uL | 99 |
| 72) Fluoranthene | 13.41 | 202 | 1517354 | 52.34 | ng/uL | 100 |
| 73) Benzidine | 13.73 | 184 | 778416 | 70.32 | ng/uL | 96 |
| 75) Pyrene | 13.41 | 202 | 1517354 | 40.64 | ng/uL | 86 |
| 77) Butylbenzylphthalate | 15.32 | 149 | 932595 | 38.37 | ng/uL | 98 |
| 78) 3,3'-Dichlorobenzidine | 16.27 | 252 | 555944 | 50.96 | ng/uL | 95 |
| 79) Benzo(a)anthracene | 16.24 | 228 | 1503606 | 46.14 | ng/uL | 99 |
| 80) Chrysene | 16.32 | 228 | 1347387 | 47.11 | ng/uL | 98 |
| 81) bis(2-Ethylhexyl)phthalate | 16.56 | 149 | 1232527 | 37.19 | ng/uL | 97 |
| 83) Di-n-octylphthalate | 17.72 | 149 | 2049482 | 41.49 | ng/uL | 99 |
| 84) Benzo(b)fluoranthene | 18.28 | 252 | 1702779 | 56.24 | ng/uLm | 97 |
| 85) Benzo(k)fluoranthene | 18.33 | 252 | 1228083 | 70.92 | ng/uL | 91 |
| 86) Benzo(a)pyrene | 18.81 | 252 | 1288923 | 51.06 | ng/uL | 99 |
| 87) Indeno(1,2,3-Cd)Pyrene | 20.59 | 276 | 1559804 | 57.96 | ng/uL | 91 |
| 88) Dibenzo(a,h)Anthracene | 20.62 | 278 | 1267530 | 57.75 | ng/uL | 88 |
| 89) Benzo(g,h,i)perylene | 20.98 | 276 | 1268220 | 54.53 | ng/uL | 98 |

(#) = qualifier out of range (m) = manual integration
 SV140342.D SV1NJ.M Thu Aug 10 16:01:34 2006

Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\080906\SV140342.D Vial: 5
Acq On : 9 Aug 106 1:29 pm Operator: JLS
Sample : BPH0116-CAL4 Inst : SVOA-MS1
Misc : Multiplr: 1.00
Quant Time: Aug 10 12:17 19106

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
Title : ELEMENT ID: 0607036(SOIL) 0607037(AQUEOUS)
Last Update : Tue Aug 01 09:47:48 2006
Response via : Multiple Level Calibration



Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\080906\SV140343.D Vial: 6
 Acq On : 9 Aug 106 1:59 pm Operator: JLS
 Sample : BPH0116-CAL5 Inst : SVOA-MS1
 Misc : Multiplr: 1.00
 Quant Time: Aug 10 16:21 19106

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
 Title : ELEMENT ID: 0607036(SOIL) 0607037(AQUEOUS)
 Last Update : Thu Aug 10 16:21:23 2006
 Response via : Multiple Level Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 4.37 | 152 | 380219 | 40.00 | ng/uL | 0.00 |
| 22) Naphthalene-d8 | 5.82 | 136 | 1414167 | 40.00 | ng/uL | 0.00 |
| 38) Acenaphthene-d10 | 8.39 | 164 | 650462 | 40.00 | ng/uL | 0.00 |
| 59) Phenanthrene-d10 | 11.06 | 188 | 982733 | 40.00 | ng/uL | 0.00 |
| 74) Chrysene-d12 | 16.28 | 240 | 940779 | 40.00 | ng/uL | 0.00 |
| 82) Perylene-d12 | 18.92 | 264 | 863274 | 40.00 | ng/uL | 0.00 |

| System Monitoring Compounds | R.T. | QIon | Response | Conc | Units | %Recovery |
|----------------------------------|-------|------|----------|--------|-------|-----------|
| 4) 2-Fluorophenol (SURR) | 2.84 | 112 | 1150023 | 527.80 | ng/uL | 351.87% |
| 6) Phenol-d5 (SURR) | 4.05 | 99 | 1478653 | 81.53 | ng/uL | 54.35% |
| 10) 2-Chlorophenol-d4 (SURR) | 4.17 | 132 | 1146866 | 85.50 | ng/uL | 57.00% |
| 13) 1,2 Dichlorobenzene-d4 (SUR) | 4.57 | 152 | 701041 | 87.91 | ng/uL | 87.91% |
| 23) Nitrobenzene-d5 (SURR) | 5.01 | 82 | 1029738 | 78.54 | ng/uL | 78.54% |
| 42) 2-Fluorobiphenyl (SURR) | 7.32 | 172 | 1743181 | 88.19 | ng/uL | 88.19% |
| 64) 2,4,6-Tribromophenol (SURR) | 9.81 | 330 | 303294 | 102.27 | ng/uL | 68.18% |
| 76) Terphenyl-d14 (SURR) | 14.24 | 244 | 1634079 | 78.72 | ng/uL | 78.72% |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|---------------------------------|------|------|----------|--------|-------|--------|
| 2) N-Nitrosodimethylamine | 1.06 | 74 | 77977 | 100.23 | ng/uL | 84 |
| 3) Pyridine | 1.06 | 79 | 140494 | 105.77 | ng/uL | 94 |
| 5) bis(2-Chloroethyl) ether | 4.14 | 93 | 1182909 | 80.16 | ng/uL | 93 |
| 7) 2-Chlorophenol | 4.19 | 128 | 1193947 | 86.56 | ng/uL | 100 |
| 8) Phenol | 4.07 | 94 | 1768314 | 80.31 | ng/uL | 92 |
| 9) Aniline | 4.07 | 93 | 1819903 | 83.30 | ng/uL | 70 |
| 11) 1,3-Dichlorobenzene | 4.33 | 146 | 1145820 | 79.55 | ng/uL | 99 |
| 12) 1,4-Dichlorobenzene | 4.39 | 146 | 1198108 | 81.70 | ng/uL | 100 |
| 14) 1,2-Dichlorobenzene | 4.58 | 146 | 1115567 | 87.67 | ng/uL | 99 |
| 15) Benzyl Alcohol | 4.55 | 79 | 836254 | 83.48 | ng/uL | 88 |
| 16) bis(2-chloroisopropyl) Ethe | 4.72 | 45 | 1673320 | 83.43 | ng/uL | 97 |
| 17) 2-Methylphenol | 4.69 | 108 | 1042627 | 82.13 | ng/uL | 99 |
| 18) Acetophenone | 4.84 | 105 | 1350238 | 80.78 | ng/uL | 97 |
| 19) N-Nitroso-Di-n-Propylamine | 4.89 | 70 | 815559 | 87.02 | ng/uL | 97 |
| 20) Hexachloroethane | 4.92 | 117 | 479458 | 82.27 | ng/uL | 81 |
| 21) 3+4-Methylphenol | 4.87 | 108 | 1130969 | 85.58 | ng/uL | 95 |
| 24) Nitrobenzene | 5.03 | 77 | 1057642 | 80.32 | ng/uL | 98 |
| 25) Isophorone | 5.30 | 82 | 2016314 | 78.14 | ng/uL | 96 |
| 26) 2-Nitrophenol | 5.38 | 139 | 688269 | 83.84 | ng/uL | 88 |
| 27) Benzoic Acid | 5.68 | 105 | 868675 | 74.85 | ng/uL | 95 |
| 28) 2,4-Dimethylphenol | 5.43 | 107 | 948287 | 81.28 | ng/uL | 92 |
| 29) bis(2-Chloroethoxy)methane | 5.55 | 93 | 1346550 | 77.44 | ng/uL | 96 |
| 30) 2,4-Dichlorophenol | 5.66 | 162 | 826687 | 86.39 | ng/uL | 94 |
| 31) 1,2,4-Trichlorobenzene | 5.76 | 180 | 858848 | 88.62 | ng/uL | 97 |
| 32) Naphthalene | 5.84 | 128 | 2882955 | 84.77 | ng/uL | 99 |
| 33) 4-Chloroaniline | 5.93 | 127 | 1401569 | 94.16 | ng/uL | 99 |
| 34) Hexachlorobutadiene | 6.07 | 225 | 402935 | 92.82 | ng/uL | 100 |
| 35) 4-Chloro-3-Methylphenol | 6.57 | 107 | 842166 | 83.79 | ng/uL | 94 |
| 36) 2-Methylnaphthalene | 6.75 | 142 | 1806069 | 83.13 | ng/uL | 97 |
| 37) 1-Methylnaphthalene | 6.90 | 142 | 1799954 | 83.77 | ng/uL | 99 |
| 39) Hexachlorocyclopentadiene | 7.08 | 237 | 486071 | 111.33 | ng/uL | 99 |
| 40) 2,4,6-Trichlorophenol | 7.21 | 196 | 542271 | 89.09 | ng/uL | 99 |
| 41) 2,4,5-Trichlorophenol | 7.27 | 196 | 587150 | 93.40 | ng/uL | 99 |
| 43) Biphenyl | 7.46 | 154 | 2005407 | 86.09 | ng/uL | 97 |
| 44) 2-Chloronaphthalene | 7.47 | 162 | 1779255 | 79.99 | ng/uL | 97 |
| 45) Dimethylphthalate | 8.06 | 163 | 1822955 | 90.44 | ng/uL | 99 |
| 46) Acenaphthylene | 8.15 | 152 | 2630491 | 88.02 | ng/uL | 99 |
| 47) 2,6-Dinitrotoluene | 8.82 | 165 | 586237 | 91.34 | ng/uL | 74 |
| 48) 2-Nitroaniline | 7.68 | 65 | 494905 | 74.39 | ng/uL | 92 |

(#) = qualifier out of range (m) = manual integration
 SV140343.D SV1NJ.M Thu Aug 10 16:23:17 2006

Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\080906\SV140343.D Vial: 6
 Acq On : 9 Aug 106 1:59 pm Operator: JLS
 Sample : BPH0116-CAL5 Inst : SVOA-MS1
 Misc : Multiplr: 1.00
 Quant Time: Aug 10 16:21 19106

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
 Title : ELEMENT ID: 0607036(SOIL) 0607037(AQUEOUS)
 Last Update : Thu Aug 10 16:21:23 2006
 Response via : Multiple Level Calibration

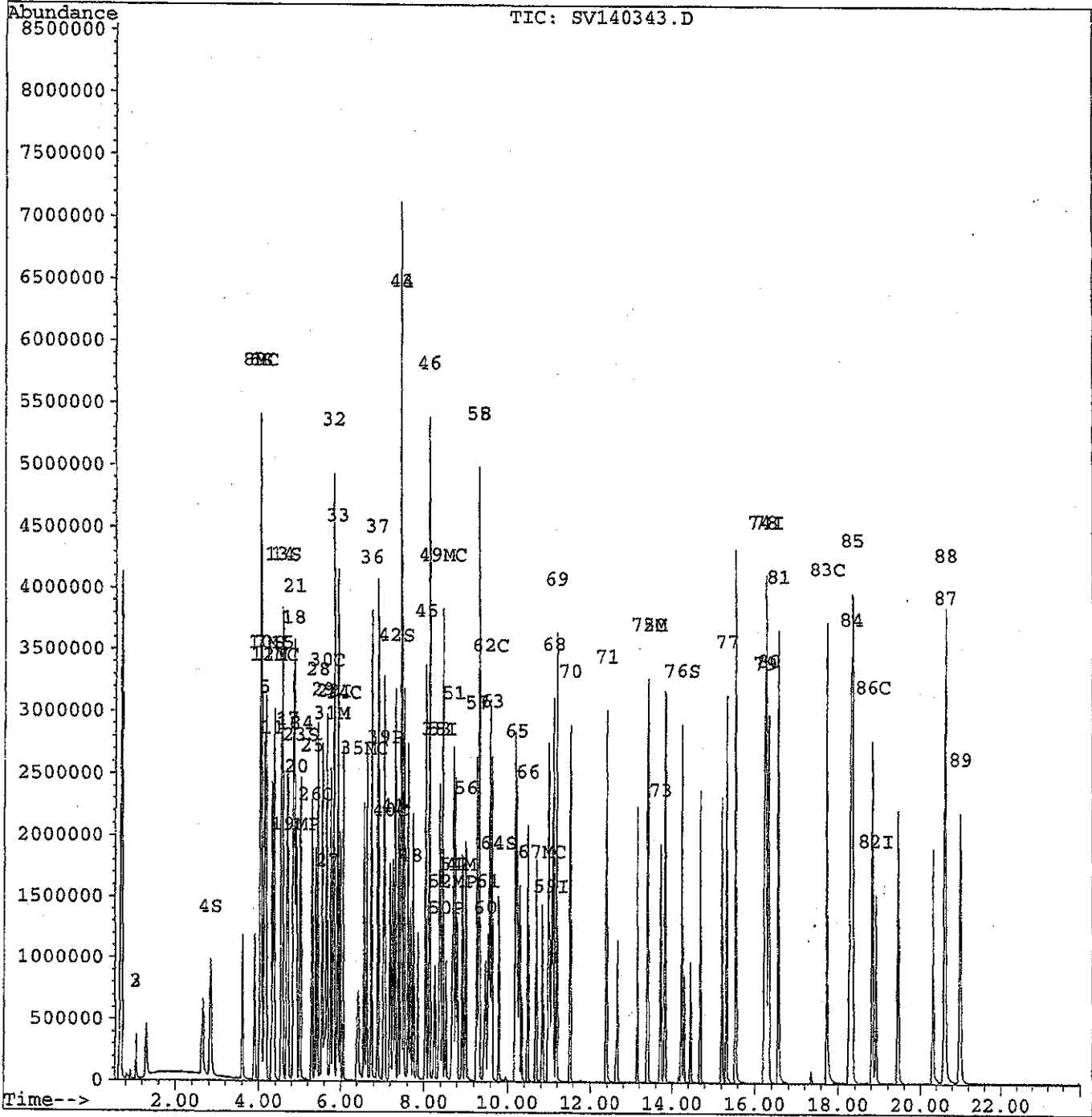
| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|--------|--------|--------|
| 49) Acenaphthene | 8.45 | 153 | 1591283 | 86.71 | ng/uL | 99 |
| 50) 2,4-Dinitrophenol | 8.54 | 184 | 343253 | 86.85 | ng/uL | 91 |
| 51) Dibenzofuran | 8.73 | 168 | 2227223 | 86.12 | ng/uL | 91 |
| 52) 4-Nitrophenol | 8.69 | 65 | 353649 | 84.96 | ng/uL | 88 |
| 53) 3-Nitroaniline | 8.38 | 65 | 601371 | 85.12 | ng/uL | 87 |
| 54) 2,4-Dinitrotoluene | 8.82 | 165 | 586237 | 82.16 | ng/uL | 83 |
| 55) Fluorene | 9.33 | 166 | 1816763 | 89.21 | ng/uL | 99 |
| 56) 2,3,4,6-Tetrachlorophenol | 9.03 | 232 | 463270 | 97.21 | ng/uL | 96 |
| 57) Diethylphthalate | 9.29 | 149 | 1806814 | 87.15 | ng/uL | 96 |
| 58) 4-Chloro-phenyl-phenyl eth | 9.34 | 204 | 857943 | 96.63 | ng/uL | 92 |
| 60) 4-Nitroaniline | 9.49 | 138 | 584160 | 76.78 | ng/uL | 94 |
| 61) 4,6-Dinitro-2-Methylphenol | 9.55 | 198 | 436037 | 85.96 | ng/uL | 96 |
| 62) N-nitrosodiphenylamine | 9.59 | 169 | 1504283 | 85.62 | ng/uL | 97 |
| 63) Azobenzene | 9.64 | 77 | 2274150 | 83.14 | ng/uL | 89 |
| 65) 4-Bromophenyl-phenylether | 10.24 | 248 | 491138 | 95.78 | ng/uL# | 81 |
| 66) Hexachlorobenzene | 10.50 | 284 | 556613 | 92.69 | ng/uL | 84 |
| 67) Pentachlorophenol | 10.84 | 266 | 340808 | 91.68 | ng/uL | 98 |
| 68) Phenanthrene | 11.11 | 178 | 2377575 | 83.41 | ng/uL | 98 |
| 69) Anthracene | 11.20 | 178 | 2371223 | 81.13 | ng/uL | 98 |
| 70) Carbazole | 11.53 | 167 | 2301906 | 79.83 | ng/uL | 99 |
| 71) Di-n-butylphthalate | 12.40 | 149 | 3245871 | 78.15 | ng/uL | 99 |
| 72) Fluoranthene | 13.42 | 202 | 2358732 | 83.80 | ng/uL | 95 |
| 73) Benzidine | 13.74 | 184 | 1271126 | 123.02 | ng/uL | 100 |
| 75) Pyrene | 13.42 | 202 | 2358732 | 70.97 | ng/uL | 90 |
| 77) Butylbenzylphthalate | 15.33 | 149 | 1466209 | 70.45 | ng/uL | 97 |
| 78) 3,3'-Dichlorobenzidine | 16.28 | 252 | 875007 | 90.04 | ng/uL | 98 |
| 79) Benzo(a)anthracene | 16.25 | 228 | 2381844 | 77.69 | ng/uL | 98 |
| 80) Chrysene | 16.35 | 228 | 2110924 | 79.54 | ng/uL | 97 |
| 81) bis(2-Ethylhexyl)phthalate | 16.56 | 149 | 1949567 | 72.37 | ng/uL | 97 |
| 83) Di-n-octylphthalate | 17.73 | 149 | 3319259 | 86.34 | ng/uL | 98 |
| 84) Benzo(b)fluoranthene | 18.31 | 252 | 2998197 | 105.78 | ng/uL | 98 |
| 85) Benzo(k)fluoranthene | 18.35 | 252 | 1617656 | 96.41 | ng/uL | 96 |
| 86) Benzo(a)pyrene | 18.83 | 252 | 2055848 | 89.45 | ng/uL | 98 |
| 87) Indeno(1,2,3-Cd)Pyrene | 20.62 | 276 | 2482541 | 97.04 | ng/uL | 99 |
| 88) Dibenzo(a,h)Anthracene | 20.64 | 278 | 2016568 | 98.06 | ng/uL | 98 |
| 89) Benzo(g,h,i)perylene | 21.01 | 276 | 2036492 | 92.44 | ng/uL | 95 |

(#) = qualifier out of range (m) = manual integration
 SV140343.D SV1NJ.M Thu Aug 10 16:23:19 2006

Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\080906\SV140343.D Vial: 6
Acq On : 9 Aug 106 1:59 pm Operator: JLS
Sample : BPH0116-CAL5 Inst : SVOA-MS1
Misc : Multiplr: 1.00
Quant Time: Aug 10 16:21 19106

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
Title : ELEMENT ID: 0607036(SOIL) 0607037(AQUEOUS)
Last Update : Thu Aug 10 16:21:23 2006
Response via : Multiple Level Calibration



Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\080906\SV140344.D Vial: 7
 Acq On : 9 Aug 106 2:30 pm Operator: JLS
 Sample : BPH0116-CAL6 Inst : SVOA-MS1
 Misc : Multiplr: 1.00
 Quant Time: Aug 10 16:25 19106

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
 Title : ELEMENT ID: 0607036(SOIL) 0607037(AQUEOUS)
 Last Update : Thu Aug 10 16:25:49 2006
 Response via : Multiple Level Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 4.37 | 152 | 383339 | 40.00 | ng/uL | 0.00 |
| 22) Naphthalene-d8 | 5.82 | 136 | 1370907 | 40.00 | ng/uL | 0.00 |
| 38) Acenaphthene-d10 | 8.41 | 164 | 661564 | 40.00 | ng/uL | 0.01 |
| 59) Phenanthrene-d10 | 11.07 | 188 | 927649 | 40.00 | ng/uL | 0.02 |
| 74) Chrysene-d12 | 16.29 | 240 | 883018 | 40.00 | ng/uL | 0.03 |
| 82) Perylene-d12 | 18.93 | 264 | 817192 | 40.00 | ng/uL | 0.02 |

| System Monitoring Compounds | R.T. | QIon | Response | Conc | Units | %Recovery |
|----------------------------------|-------|------|----------|--------|-------|-----------|
| 4) 2-Fluorophenol (SURR) | 2.85 | 112 | 1718890 | 791.60 | ng/uL | 527.73% |
| 6) Phenol-d5 (SURR) | 4.06 | 99 | 2182588 | 119.46 | ng/uL | 79.64% |
| 10) 2-Chlorophenol-d4 (SURR) | 4.18 | 132 | 1727494 | 127.23 | ng/uL | 84.82% |
| 13) 1,2 Dichlorobenzene-d4 (SUR) | 4.57 | 152 | 1047735 | 128.97 | ng/uL | 128.97% |
| 23) Nitrobenzene-d5 (SURR) | 5.02 | 82 | 1515190 | 120.28 | ng/uL | 120.28% |
| 42) 2-Fluorobiphenyl (SURR) | 7.33 | 172 | 2558618 | 125.71 | ng/uL | 125.71% |
| 64) 2,4,6-Tribromophenol (SURR) | 9.81 | 330 | 470014 | 160.71 | ng/uL | 107.14% |
| 76) Terphenyl-d14 (SURR) | 14.25 | 244 | 2294024 | 118.88 | ng/uL | 118.88% |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|---------------------------------|------|------|----------|--------|-------|--------|
| 2) N-Nitrosodimethylamine | 1.06 | 74 | 112260 | 133.95 | ng/uL | 83 |
| 3) Pyridine | 1.06 | 79 | 206273 | 142.85 | ng/uL | 98 |
| 5) bis(2-Chloroethyl) ether | 4.15 | 93 | 1716401 | 115.87 | ng/uL | 96 |
| 7) 2-Chlorophenol | 4.20 | 128 | 1810224 | 128.97 | ng/uL | 98 |
| 8) Phenol | 4.08 | 94 | 2581914 | 117.26 | ng/uL | 98 |
| 9) Aniline | 4.08 | 93 | 2709834 | 123.30 | ng/uL | 61 |
| 11) 1,3-Dichlorobenzene | 4.34 | 146 | 1720964 | 118.84 | ng/uL | 99 |
| 12) 1,4-Dichlorobenzene | 4.39 | 146 | 1821008 | 123.69 | ng/uL | 100 |
| 14) 1,2-Dichlorobenzene | 4.59 | 146 | 1674149 | 129.11 | ng/uL | 99 |
| 15) Benzyl Alcohol | 4.56 | 79 | 1234033 | 121.12 | ng/uL | 86 |
| 16) bis(2-chloroisopropyl) Ethe | 4.72 | 45 | 2382919 | 115.58 | ng/uL | 98 |
| 17) 2-Methylphenol | 4.70 | 108 | 1544841 | 120.21 | ng/uL | 99 |
| 18) Acetophenone | 4.85 | 105 | 1969500 | 117.29 | ng/uL | 96 |
| 19) N-Nitroso-Di-n-Propylamine | 4.91 | 70 | 1169235 | 121.21 | ng/uL | 94 |
| 20) Hexachloroethane | 4.92 | 117 | 718336 | 121.77 | ng/uL | 81 |
| 21) 3+4-Methylphenol | 4.88 | 108 | 1650107 | 123.08 | ng/uL | 98 |
| 24) Nitrobenzene | 5.04 | 77 | 1557734 | 122.34 | ng/uL | 97 |
| 25) Isophorone | 5.31 | 82 | 3009285 | 121.27 | ng/uL | 94 |
| 26) 2-Nitrophenol | 5.38 | 139 | 1039451 | 130.66 | ng/uL | 91 |
| 27) Benzoic Acid | 5.72 | 105 | 1335021 | 114.67 | ng/uL | 94 |
| 28) 2,4-Dimethylphenol | 5.44 | 107 | 1392739 | 123.69 | ng/uL | 91 |
| 29) bis(2-Chloroethoxy)methane | 5.56 | 93 | 1986583 | 119.66 | ng/uL | 97 |
| 30) 2,4-Dichlorophenol | 5.67 | 162 | 1246184 | 134.03 | ng/uL | 95 |
| 31) 1,2,4-Trichlorobenzene | 5.77 | 180 | 1270256 | 133.37 | ng/uL | 97 |
| 32) Naphthalene | 5.85 | 128 | 4173716 | 125.28 | ng/uL | 99 |
| 33) 4-Chloroaniline | 5.94 | 127 | 2060661 | 140.69 | ng/uL | 99 |
| 34) Hexachlorobutadiene | 6.07 | 225 | 600222 | 139.37 | ng/uL | 99 |
| 35) 4-Chloro-3-Methylphenol | 6.59 | 107 | 1222311 | 126.28 | ng/uL | 90 |
| 36) 2-Methylnaphthalene | 6.75 | 142 | 2695999 | 128.11 | ng/uL | 97 |
| 37) 1-Methylnaphthalene | 6.91 | 142 | 2600589 | 124.84 | ng/uL | 97 |
| 39) Hexachlorocyclopentadiene | 7.09 | 237 | 740138 | 156.53 | ng/uL | 98 |
| 40) 2,4,6-Trichlorophenol | 7.22 | 196 | 826130 | 130.96 | ng/uL | 99 |
| 41) 2,4,5-Trichlorophenol | 7.29 | 196 | 880620 | 135.22 | ng/uL | 99 |
| 43) Biphenyl | 7.47 | 154 | 2725997 | 112.63 | ng/uL | 93 |
| 44) 2-Chloronaphthalene | 7.48 | 162 | 2549888 | 112.54 | ng/uL | 98 |
| 45) Dimethylphthalate | 8.08 | 163 | 2699711 | 129.62 | ng/uL | 99 |
| 46) Acenaphthylene | 8.16 | 152 | 3862359 | 125.56 | ng/uL | 98 |
| 47) 2,6-Dinitrotoluene | 8.85 | 165 | 867215 | 129.28 | ng/uL | 78 |
| 48) 2-Nitroaniline | 7.70 | 65 | 709416 | 105.30 | ng/uL | 89 |

(#) = qualifier out of range (m) = manual integration
 SV140344.D SV1NJ.M Thu Aug 10 16:25:58 2006

Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\080906\SV140344.D Vial: 7
 Acq On : 9 Aug 106 2:30 pm Operator: JLS
 Sample : BPH0116-CAL6 Inst : SVOA-MS1
 Misc : Multiplr: 1.00
 Quant Time: Aug 10 16:25 19106

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
 Title : ELEMENT ID: 0607036(SOIL) 0607037(AQUEOUS)
 Last Update : Thu Aug 10 16:25:49 2006
 Response via : Multiple Level Calibration

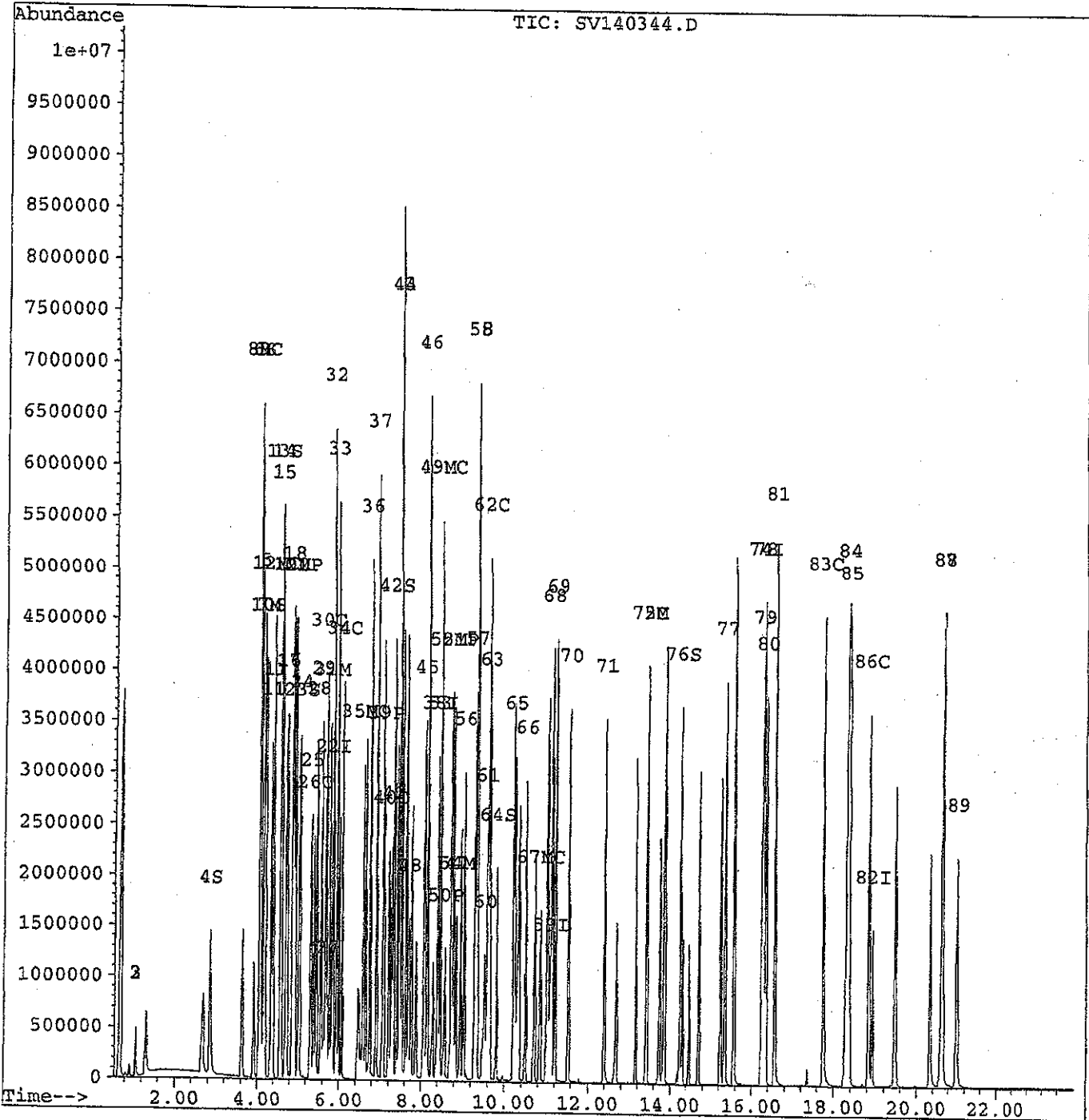
| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|--------|--------|--------|
| 49) Acenaphthene | 8.47 | 153 | 2380888 | 126.88 | ng/uL | 98 |
| 50) 2,4-Dinitrophenol | 8.57 | 184 | 524566 | 127.60 | ng/uL | 87 |
| 51) Dibenzofuran | 8.74 | 168 | 3355752 | 126.71 | ng/uL | 94 |
| 52) 4-Nitrophenol | 8.72 | 65 | 501175 | 118.92 | ng/uL | 87 |
| 53) 3-Nitroaniline | 8.41 | 65 | 856207 | 119.04 | ng/uL | 89 |
| 54) 2,4-Dinitrotoluene | 8.85 | 165 | 867215 | 119.72 | ng/uL | 77 |
| 55) Fluorene | 9.35 | 166 | 2626388 | 125.11 | ng/uL | 99 |
| 56) 2,3,4,6-Tetrachlorophenol | 9.04 | 232 | 706032 | 141.16 | ng/uL | 96 |
| 57) Diethylphthalate | 9.31 | 149 | 2723035 | 128.45 | ng/uL | 95 |
| 58) 4-Chloro-phenyl-phenyl eth | 9.36 | 204 | 1240723 | 133.75 | ng/uL | 93 |
| 60) 4-Nitroaniline | 9.54 | 138 | 868381 | 122.99 | ng/uL | 90 |
| 61) 4,6-Dinitro-2-Methylphenol | 9.59 | 198 | 677099 | 140.90 | ng/uL | 92 |
| 62) N-nitrosodiphenylamine | 9.62 | 169 | 2196469 | 132.41 | ng/uL | 95 |
| 63) Azobenzene | 9.66 | 77 | 3324053 | 129.71 | ng/uL | 89 |
| 65) 4-Bromophenyl-phenylether | 10.25 | 248 | 701020 | 140.81 | ng/uL# | 78 |
| 66) Hexachlorobenzene | 10.51 | 284 | 795919 | 136.72 | ng/uL | 95 |
| 67) Pentachlorophenol | 10.85 | 266 | 492885 | 136.38 | ng/uL | 99 |
| 68) Phenanthrene | 11.13 | 178 | 3324835 | 122.89 | ng/uL | 97 |
| 69) Anthracene | 11.22 | 178 | 3374555 | 122.87 | ng/uL | 97 |
| 70) Carbazole | 11.55 | 167 | 3290467 | 121.75 | ng/uL | 98 |
| 71) Di-n-butylphthalate | 12.41 | 149 | 4579117 | 118.41 | ng/uL | 99 |
| 72) Fluoranthene | 13.43 | 202 | 3393117 | 127.38 | ng/uL | 90 |
| 75) Pyrene | 13.43 | 202 | 3393117 | 111.85 | ng/uL | 94 |
| 77) Butylbenzylphthalate | 15.34 | 149 | 2110289 | 112.09 | ng/uL | 98 |
| 78) 3,3'-Dichlorobenzidine | 16.29 | 252 | 1210387 | 132.74 | ng/uL | 98 |
| 79) Benzo(a)anthracene | 16.26 | 228 | 3368061 | 118.32 | ng/uL | 97 |
| 80) Chrysene | 16.35 | 228 | 2986665 | 120.83 | ng/uL | 96 |
| 81) bis(2-Ethylhexyl)phthalate | 16.57 | 149 | 2796107 | 115.24 | ng/uL | 96 |
| 83) Di-n-octylphthalate | 17.75 | 149 | 4902800 | 138.24 | ng/uL | 98 |
| 84) Benzo(b)fluoranthene | 18.34 | 252 | 4542207 | 167.04 | ng/uL | 95 |
| 85) Benzo(k)fluoranthene | 18.38 | 252 | 1740956 | 108.04 | ng/uLm | 96 |
| 86) Benzo(a)pyrene | 18.85 | 252 | 2979765 | 136.87 | ng/uL | 97 |
| 87) Indeno(1,2,3-Cd)Pyrene | 20.64 | 276 | 2955824 | 120.07 | ng/uL | 85 |
| 88) Dibenzo(a,h)Anthracene | 20.65 | 278 | 2478755 | 125.29 | ng/uL | 98 |
| 89) Benzo(g,h,i)perylene | 21.02 | 276 | 2103338 | 100.01 | ng/uL | 96 |

(#) = qualifier out of range (m) = manual integration
 SV140344.D SV1NJ.M Thu Aug 10 16:26:00 2006

Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\080906\SV140344.D Vial: 7
Acq On : 9 Aug 106 2:30 pm Operator: JLS
Sample : BPH0116-CAL6 Inst : SVOA-MS1
Misc : Multiplr: 1.00
Quant Time: Aug 10 16:25 19106

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
Title : ELEMENT ID: 0607036(SOIL) 0607037(AQUEOUS)
Last Update : Thu Aug 10 16:25:49 2006
Response via : Multiple Level Calibration



Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\080906\SV140345.D Vial: 8
 Acq On : 9 Aug 106 3:00 pm Operator: JLS
 Sample : BPH0116-CAL7 Inst : SVOA-MS1
 Misc : Multiplr: 1.00

Quant Time: Aug 17 16:40 19106

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
 Title : ELEMENT ID: 0608031(SOIL) 0608030(AQUEOUS)
 Last Update : Thu Aug 17 16:37:27 2006
 Response via : Multiple Level Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 4.37 | 152 | 398363 | 40.00 | ng/uL | 0.00 |
| 22) Naphthalene-d8 | 5.83 | 136 | 1441013 | 40.00 | ng/uL | 0.02 |
| 38) Acenaphthene-d10 | 8.41 | 164 | 689359 | 40.00 | ng/uL | 0.01 |
| 59) Phenanthrene-d10 | 11.09 | 188 | 1005737 | 40.00 | ng/uL | 0.04 |
| 74) Chrysene-d12 | 16.31 | 240 | 942302 | 40.00 | ng/uL | 0.04 |
| 82) Perylene-d12 | 18.94 | 264 | 831917 | 40.00 | ng/uL | 0.03 |

| System Monitoring Compounds | R.T. | QIon | Response | Conc | Units | %Recovery |
|----------------------------------|-------|------|----------|--------|-------|-----------|
| 4) 2-Fluorophenol (SURR) | 2.86 | 112 | 2453655 | 164.05 | ng/uL | 109.36% |
| 6) Phenol-d5 (SURR) | 4.08 | 99 | 3029258 | 159.09 | ng/uL | 106.06% |
| 10) 2-Chlorophenol-d4 (SURR) | 4.19 | 132 | 2379325 | 161.48 | ng/uL | 107.65% |
| 13) 1,2-Dichlorobenzene-d4 (SUR) | 4.58 | 152 | 1341105 | 154.74 | ng/uL | 154.74% |
| 23) Nitrobenzene-d5 (SURR) | 5.03 | 82 | 2117700 | 160.46 | ng/uL | 160.46% |
| 42) 2-Fluorobiphenyl (SURR) | 7.34 | 172 | 3569601 | 157.66 | ng/uL | 157.66% |
| 64) 2,4,6-Tribromophenol (SURR) | 9.84 | 330 | 641189 | 156.83 | ng/uL | 104.55% |
| 76) Terphenyl-d14 (SURR) | 14.26 | 244 | 3236137 | 161.38 | ng/uL | 161.38% |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|--------------------------------|------|------|----------|--------|--------|--------|
| 2) N-Nitrosodimethylamine | 1.07 | 74 | 155906 | 151.13 | ng/uL | 93 |
| 3) Pyridine | 1.06 | 79 | 275283 | 153.06 | ng/uL | 94 |
| 5) bis(2-Chloroethyl) ether | 4.16 | 93 | 2431876 | 157.14 | ng/uL | 95 |
| 7) 2-Chlorophenol | 4.21 | 128 | 2486612 | 161.33 | ng/uL | 98 |
| 8) Phenol | 4.10 | 94 | 3565939 | 157.47 | ng/uL | 98 |
| 9) Aniline | 4.10 | 93 | 3789444 | 160.53 | ng/uL | 61 |
| 11) 1,3-Dichlorobenzene | 4.33 | 146 | 2466587 | 163.39 | ng/uL | 100 |
| 12) 1,4-Dichlorobenzene | 4.39 | 146 | 2401786 | 155.20 | ng/uL | 99 |
| 14) 1,2-Dichlorobenzene | 4.60 | 146 | 2236840 | 158.43 | ng/uL | 99 |
| 15) Benzyl Alcohol | 4.57 | 79 | 1703151 | 156.19 | ng/uL | 87 |
| 16) bis(2-chloroisopropyl)Ethe | 4.73 | 45 | 3220334 | 142.72 | ng/uL | 99 |
| 17) 2-Methylphenol | 4.71 | 108 | 2203114 | 160.64 | ng/uL | 99 |
| 18) Acetophenone | 4.86 | 105 | 2819383 | 159.93 | ng/uL | 96 |
| 19) N-Nitroso-Di-n-Propylamine | 4.94 | 70 | 1624813 | 154.97 | ng/uL | 92 |
| 20) Hexachloroethane | 4.93 | 117 | 998544 | 160.07 | ng/uL | 76 |
| 21) 3+4-Methylphenol | 4.90 | 108 | 2338731 | 159.69 | ng/uL | 94 |
| 24) Nitrobenzene | 5.05 | 77 | 2160276 | 158.01 | ng/uL | 97 |
| 25) Isophorone | 5.33 | 82 | 4256959 | 163.96 | ng/uL | 93 |
| 26) 2-Nitrophenol | 5.39 | 139 | 1469353 | 170.64 | ng/uL | 91 |
| 27) Benzoic Acid | 5.77 | 105 | 2008075 | 161.60 | ng/uL | 88 |
| 28) 2,4-Dimethylphenol | 5.46 | 107 | 1959117 | 164.66 | ng/uL | 90 |
| 29) bis(2-Chloroethoxy)methane | 5.57 | 93 | 2776837 | 162.46 | ng/uL | 96 |
| 30) 2,4-Dichlorophenol | 5.69 | 162 | 1759342 | 172.41 | ng/uL | 91 |
| 31) 1,2,4-Trichlorobenzene | 5.77 | 180 | 1814155 | 169.26 | ng/uL | 96 |
| 32) Naphthalene | 5.86 | 128 | 5741876 | 155.67 | ng/uL | 99 |
| 33) 4-Chloroaniline | 5.95 | 127 | 2805944 | 165.62 | ng/uL | 99 |
| 34) Hexachlorobutadiene | 6.08 | 225 | 795547 | 161.89 | ng/uL | 99 |
| 35) 4-Chloro-3-Methylphenol | 6.61 | 107 | 1696555 | 164.56 | ng/uL | 92 |
| 36) 2-Methylnaphthalene | 6.76 | 142 | 3616583 | 161.75 | ng/uL | 96 |
| 37) 1-Methylnaphthalene | 6.92 | 142 | 3460647 | 156.49 | ng/uL | 96 |
| 39) Hexachlorocyclopentadiene | 7.09 | 237 | 990241 | 165.38 | ng/uL | 96 |
| 40) 2,4,6-Trichlorophenol | 7.23 | 196 | 1198681 | 167.08 | ng/uLm | 99 |
| 41) 2,4,5-Trichlorophenol | 7.30 | 196 | 1241918 | 167.75 | ng/uLm | 98 |
| 43) Biphenyl | 7.49 | 154 | 3613113 | 145.18 | ng/uL | 92 |
| 44) 2-Chloronaphthalene | 7.51 | 162 | 3382457 | 146.70 | ng/uL | 95 |
| 45) Dimethylphthalate | 8.10 | 163 | 3751845 | 158.83 | ng/uL | 99 |
| 46) Acenaphthylene | 8.17 | 152 | 5087066 | 152.89 | ng/uL | 98 |
| 47) 2,6-Dinitrotoluene | 8.89 | 165 | 1207478 | 159.38 | ng/uL | 79 |
| 48) 2-Nitroaniline | 7.71 | 65 | 1030289 | 147.88 | ng/uLm | 4 |

(#) = qualifier out of range (m) = manual integration
 SV140345.D SV1NJ.M Thu Aug 17 16:41:46 2006

Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\080906\SV140345.D Vial: 8
 Acq On : 9 Aug 106 3:00 pm Operator: JLS
 Sample : BPH0116-CAL7 Inst : SVOA-MS1
 Misc : Multiplr: 1.00
 Quant Time: Aug 17 16:40 19106

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
 Title : ELEMENT ID: 0608031(SOIL) 0608030(AQUEOUS)
 Last Update : Thu Aug 17 16:37:27 2006
 Response via : Multiple Level Calibration

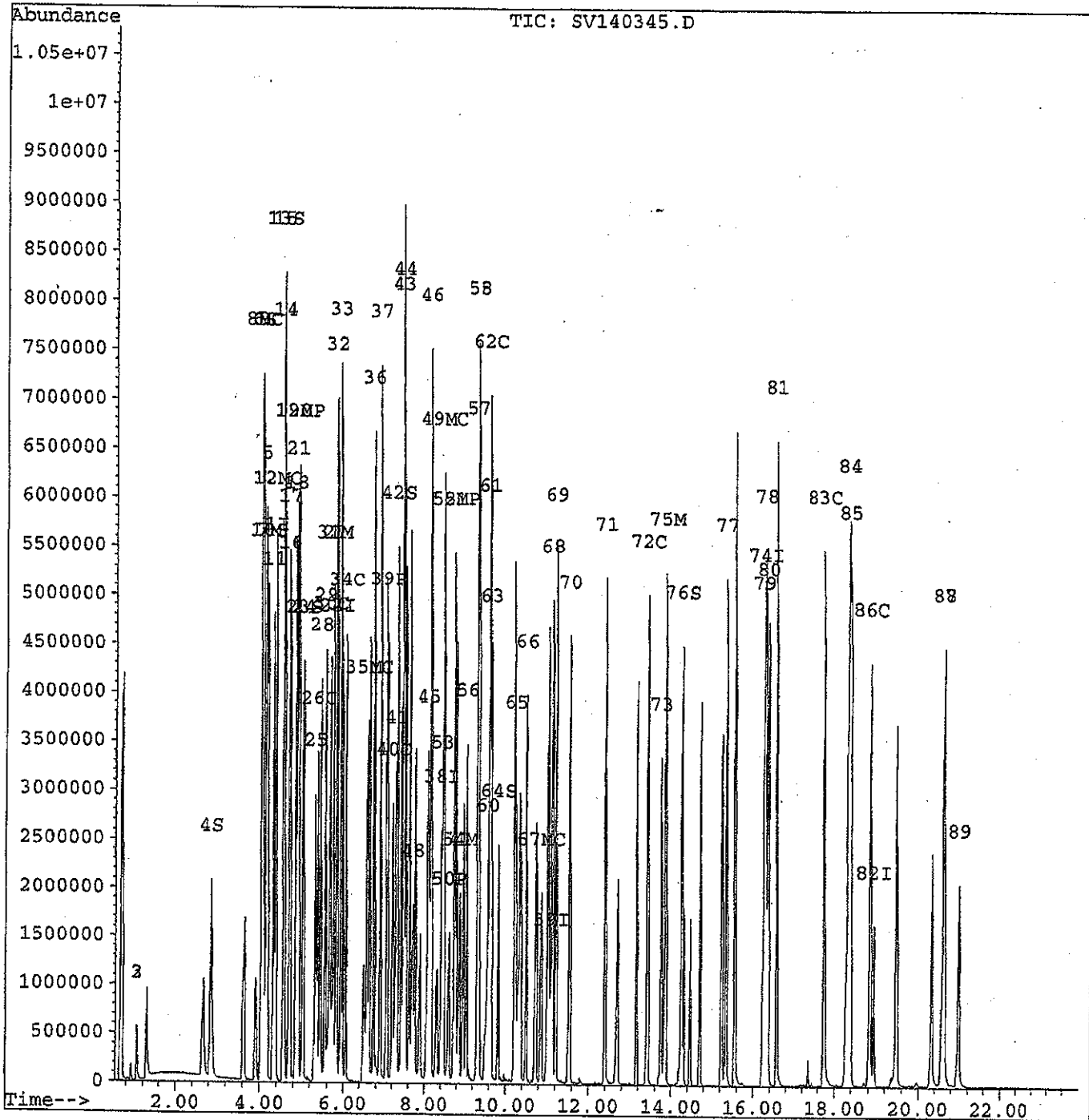
| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|--------|--------|--------|
| 49) Acenaphthene | 8.48 | 153 | 3163392 | 155.91 | ng/uL | 98 |
| 50) 2,4-Dinitrophenol | 8.61 | 184 | 758979 | 156.72 | ng/uL | 88 |
| 51) Dibenzofuran | 8.76 | 168 | 4601680 | 159.98 | ng/uL | 72 |
| 52) 4-Nitrophenol | 8.76 | 65 | 687326 | 153.97 | ng/uL | 88 |
| 53) 3-Nitroaniline | 8.44 | 65 | 1195009 | 152.74 | ng/uL | 91 |
| 54) 2,4-Dinitrotoluene | 8.89 | 165 | 1207478 | 159.38 | ng/uL | 77 |
| 55) Fluorene | 9.35 | 166 | 3340604 | 148.98 | ng/uL | 98 |
| 56) 2,3,4,6-Tetrachlorophenol | 9.07 | 232 | 961947 | 167.51 | ng/uLm | 93 |
| 57) Diethylphthalate | 9.33 | 149 | 3657763 | 155.75 | ng/uL | 97 |
| 58) 4-Chloro-phenyl-phenyl eth | 9.37 | 204 | 1510672 | 145.70 | ng/uL | 95 |
| 60) 4-Nitroaniline | 9.58 | 138 | 1217640 | 161.79 | ng/uLm | 80 |
| 61) 4,6-Dinitro-2-Methylphenol | 9.62 | 198 | 966847 | 161.47 | ng/uL | 84 |
| 62) N-nitrosodiphenylamine | 9.64 | 169 | 2913513 | 157.84 | ng/uL | 96 |
| 63) Azobenzene | 9.67 | 77 | 4507482 | 161.37 | ng/uL | 91 |
| 65) 4-Bromophenyl-phenylether | 10.26 | 248 | 1017928 | 170.70 | ng/uL# | 76 |
| 66) Hexachlorobenzene | 10.52 | 284 | 1142755 | 167.88 | ng/uL | 96 |
| 67) Pentachlorophenol | 10.87 | 266 | 739475 | 160.03 | ng/uL | 98 |
| 68) Phenanthrene | 11.15 | 178 | 4754947 | 159.16 | ng/uL | 96 |
| 69) Anthracene | 11.24 | 178 | 4589719 | 154.69 | ng/uLm | 96 |
| 70) Carbazole | 11.56 | 167 | 4711523 | 162.75 | ng/uL | 98 |
| 71) Di-n-butylphthalate | 12.41 | 149 | 6514735 | 161.78 | ng/uL | 99 |
| 72) Fluoranthene | 13.45 | 202 | 4766891 | 162.09 | ng/uL | 95 |
| 73) Benzidine | 13.77 | 184 | 2646461 | 161.00 | ng/uL | 98 |
| 75) Pyrene | 13.89 | 202 | 5048676 | 166.86 | ng/uLm | 90 |
| 77) Butylbenzylphthalate | 15.36 | 149 | 3015032 | 165.47 | ng/uL | 97 |
| 78) 3,3'-Dichlorobenzidine | 16.32 | 252 | 1698865 | 156.24 | ng/uL | 97 |
| 79) Benzo(a)anthracene | 16.28 | 228 | 4916818 | 167.15 | ng/uL | 96 |
| 80) Chrysene | 16.38 | 228 | 4149694 | 157.39 | ng/uLm | 99 |
| 81) bis(2-Ethylhexyl)phthalate | 16.58 | 149 | 3960681 | 160.25 | ng/uL | 94 |
| 83) Di-n-octylphthalate | 17.75 | 149 | 7009702 | 158.51 | ng/uL | 99 |
| 84) Benzo(b)fluoranthene | 18.36 | 252 | 6403983 | 159.44 | ng/uLm | 97 |
| 85) Benzo(k)fluoranthene | 18.40 | 252 | 2162530 | 96.90 | ng/uLm | 88 |
| 86) Benzo(a)pyrene | 18.87 | 252 | 4097350 | 157.41 | ng/uL | 94 |
| 87) Indeno(1,2,3-Cd)Pyrene | 20.64 | 276 | 2989778 | 98.72 | ng/uL | 90 |
| 88) Dibenzo(a,h)Anthracene | 20.66 | 278 | 2629595 | 106.63 | ng/uL | 87 |
| 89) Benzo(g,h,i)perylene | 21.01 | 276 | 1985510 | 80.61 | ng/uL | 97 |

(#) = qualifier out of range (m) = manual integration
 SV140345.D SV1NJ.M Thu Aug 17 16:41:48 2006

Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\080906\SV140345.D Vial: 8
Acq On : 9 Aug 106 3:00 pm Operator: JLS
Sample : BPH0116-CAL7 Inst : SVOA-MS1
Misc : Multiplr: 1.00
Quant Time: Aug 17 16:40 19106

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
Title : ELEMENT ID: 0608031(SOIL) 0608030(AQUEOUS)
Last Update : Thu Aug 17 16:37:27 2006
Response via : Multiple Level Calibration



Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\080906\SV140346.D Vial: 9
 Acq On : 9 Aug 106 3:31 pm Operator: JLS
 Sample : BPH0116-CAL8 Inst : SVOA-MS1
 Misc : Multiplr: 1.00
 Quant Time: Aug 17 16:44 19106

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
 Title : ELEMENT ID: 0608031(SOIL) 0608030(AQUEOUS)
 Last Update : Thu Aug 17 16:37:27 2006
 Response via : Multiple Level Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 4.37 | 152 | 385269 | 40.00 | ng/uL | 0.00 |
| 22) Naphthalene-d8 | 5.83 | 136 | 1364728 | 40.00 | ng/uL | 0.02 |
| 38) Acenaphthene-d10 | 8.42 | 164 | 639244 | 40.00 | ng/uL | 0.03 |
| 59) Phenanthrene-d10 | 11.10 | 188 | 956672 | 40.00 | ng/uL | 0.05 |
| 74) Chrysene-d12 | 16.32 | 240 | 888031 | 40.00 | ng/uL | 0.06 |
| 82) Perylene-d12 | 18.94 | 264 | 754824 | 40.00 | ng/uL | 0.03 |

| System Monitoring Compounds | R.T. | QIon | Response | Conc | Units | %Recovery |
|----------------------------------|-------|------|----------|--------|-------|-----------|
| 4) 2-Fluorophenol (SURR) | 2.86 | 112 | 3037211 | 209.96 | ng/uL | 139.98% |
| 6) Phenol-d5 (SURR) | 4.09 | 99 | 3645103 | 197.94 | ng/uL | 131.96% |
| 10) 2-Chlorophenol-d4 (SURR) | 4.19 | 132 | 2890315 | 202.83 | ng/uL | 135.22% |
| 13) 1,2 Dichlorobenzene-d4 (SUR) | 4.58 | 152 | 1530418 | 182.58 | ng/uL | 182.58% |
| 23) Nitrobenzene-d5 (SURR) | 5.04 | 82 | 2597159 | 207.78 | ng/uL | 207.78% |
| 42) 2-Fluorobiphenyl (SURR) | 7.35 | 172 | 4349381 | 207.16 | ng/uL | 207.16% |
| 64) 2,4,6-Tribromophenol (SURR) | 9.85 | 330 | 783740 | 200.57 | ng/uL | 133.71% |
| 76) Terphenyl-d14 (SURR) | 14.28 | 244 | 3726527 | 197.19 | ng/uL | 197.19% |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|--------------------------------|------|------|----------|--------|--------|--------|
| 2) N-Nitrosodimethylamine | 1.07 | 74 | 192381 | 192.82 | ng/uL | 93 |
| 3) Pyridine | 1.06 | 79 | 330909 | 190.25 | ng/uL | 96 |
| 5) bis(2-Chloroethyl)ether | 4.17 | 93 | 2707646 | 180.90 | ng/uL | 94 |
| 7) 2-Chlorophenol | 4.22 | 128 | 3068680 | 205.86 | ng/uL | 99 |
| 8) Phenol | 4.11 | 94 | 4354108 | 198.80 | ng/uL | 98 |
| 9) Aniline | 4.10 | 93 | 4742435 | 207.73 | ng/uL | 60 |
| 11) 1,3-Dichlorobenzene | 4.34 | 146 | 2990199 | 204.80 | ng/uL | 99 |
| 12) 1,4-Dichlorobenzene | 4.39 | 146 | 2941451 | 196.53 | ng/uL | 99 |
| 14) 1,2-Dichlorobenzene | 4.60 | 146 | 2511643 | 183.94 | ng/uL | 98 |
| 15) Benzyl Alcohol | 4.57 | 79 | 2030537 | 192.54 | ng/uL | 87 |
| 16) bis(2-chloroisopropyl)Ethe | 4.74 | 45 | 3762704 | 172.43 | ng/uL | 96 |
| 17) 2-Methylphenol | 4.71 | 108 | 2666620 | 201.04 | ng/uL | 99 |
| 18) Acetophenone | 4.87 | 105 | 3419113 | 200.54 | ng/uL | 96 |
| 19) N-Nitroso-Di-n-Propylamine | 4.95 | 70 | 1947196 | 192.03 | ng/uL | 96 |
| 20) Hexachloroethane | 4.93 | 117 | 1182320 | 195.97 | ng/uL | 79 |
| 21) 3+4-Methylphenol | 4.91 | 108 | 2804529 | 198.00 | ng/uL | 96 |
| 24) Nitrobenzene | 5.06 | 77 | 2631745 | 203.26 | ng/uL | 96 |
| 25) Isophorone | 5.34 | 82 | 5275139 | 214.53 | ng/uL | 94 |
| 26) 2-Nitrophenol | 5.40 | 139 | 1892679 | 232.09 | ng/uL | 88 |
| 27) Benzoic Acid | 5.80 | 105 | 2440563 | 204.78 | ng/uLm | 72 |
| 28) 2,4-Dimethylphenol | 5.47 | 107 | 2440303 | 216.57 | ng/uL | 90 |
| 29) bis(2-Chloroethoxy)methane | 5.57 | 93 | 3399025 | 209.98 | ng/uL | 95 |
| 30) 2,4-Dichlorophenol | 5.70 | 162 | 2137537 | 221.18 | ng/uL | 92 |
| 31) 1,2,4-Trichlorobenzene | 5.78 | 180 | 2194493 | 216.20 | ng/uL | 96 |
| 32) Naphthalene | 5.86 | 128 | 6809014 | 194.92 | ng/uL | 98 |
| 33) 4-Chloroaniline | 5.96 | 127 | 3273245 | 204.01 | ng/uL | 100 |
| 34) Hexachlorobutadiene | 6.08 | 225 | 936579 | 201.24 | ng/uL | 98 |
| 35) 4-Chloro-3-Methylphenol | 6.62 | 107 | 2067151 | 211.71 | ng/uL | 88 |
| 36) 2-Methylnaphthalene | 6.77 | 142 | 4200593 | 198.38 | ng/uL | 95 |
| 37) 1-Methylnaphthalene | 6.93 | 142 | 4206149 | 200.83 | ng/uL | 96 |
| 39) Hexachlorocyclopentadiene | 7.10 | 237 | 1170617 | 210.83 | ng/uL | 97 |
| 40) 2,4,6-Trichlorophenol | 7.24 | 196 | 1541908 | 231.77 | ng/uL | 99 |
| 41) 2,4,5-Trichlorophenol | 7.32 | 196 | 1430908 | 208.43 | ng/uLm | 98 |
| 43) Biphenyl | 7.50 | 154 | 4251138 | 184.21 | ng/uL | 92 |
| 44) 2-Chloronaphthalene | 7.52 | 162 | 4019307 | 187.99 | ng/uL | 96 |
| 45) Dimethylphthalate | 8.12 | 163 | 4523570 | 206.51 | ng/uLm | 99 |
| 46) Acenaphthylene | 8.18 | 152 | 6173562 | 200.09 | ng/uL | 97 |
| 47) 2,6-Dinitrotoluene | 8.91 | 165 | 1438213 | 204.71 | ng/uL | 78 |
| 48) 2-Nitroaniline | 7.74 | 65 | 1233620 | 190.95 | ng/uLm | 9 |

(#) = qualifier out of range (m) = manual integration
 SV140346.D SV1NJ.M Thu Aug 17 16:44:49 2006

Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\080906\SV140346.D Vial: 9
 Acq On : 9 Aug 106 3:31 pm Operator: JLS
 Sample : BPH0116-CAL8 Inst : SVOA-MS1
 Misc : Multiplr: 1.00
 Quant Time: Aug 17 16:44 19106

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
 Title : ELEMENT ID: 0608031(SOIL) 0608030(AQUEOUS)
 Last Update : Thu Aug 17 16:37:27 2006
 Response via : Multiple Level Calibration

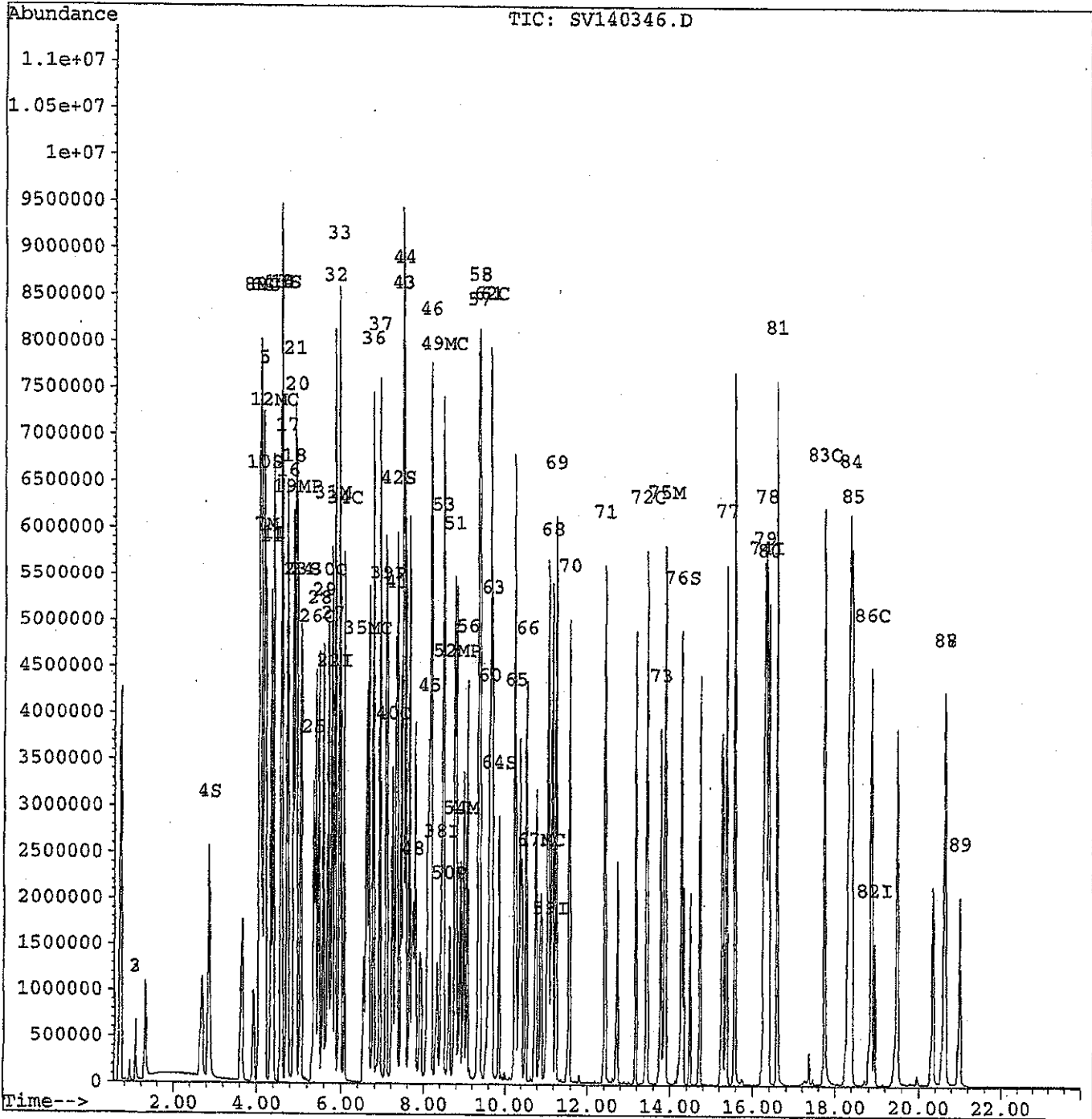
| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|--------|--------|--------|
| 49) Acenaphthene | 8.49 | 153 | 3775755 | 200.68 | ng/uL | 97 |
| 50) 2,4-Dinitrophenol | 8.63 | 184 | 935498 | 206.24 | ng/uL | 88 |
| 51) Dibenzofuran | 8.76 | 168 | 5521659 | 207.01 | ng/uL | 86 |
| 52) 4-Nitrophenol | 8.79 | 65 | 800698 | 193.43 | ng/uL | 96 |
| 53) 3-Nitroaniline | 8.46 | 65 | 1399742 | 192.93 | ng/uL | 88 |
| 54) 2,4-Dinitrotoluene | 8.91 | 165 | 1438213 | 204.71 | ng/uL | 79 |
| 55) Fluorene | 9.36 | 166 | 3847407 | 185.03 | ng/uL | 98 |
| 56) 2,3,4,6-Tetrachlorophenol | 9.08 | 232 | 1142551 | 214.55 | ng/uLm | 93 |
| 57) Diethylphthalate | 9.34 | 149 | 4360727 | 200.24 | ng/uLm | 65 |
| 58) 4-Chloro-phenyl-phenyl eth | 9.38 | 204 | 1700395 | 176.85 | ng/uL | 96 |
| 60) 4-Nitroaniline | 9.60 | 138 | 1536038 | 214.56 | ng/uLm | 88 |
| 61) 4,6-Dinitro-2-Methylphenol | 9.64 | 198 | 1134543 | 198.26 | ng/uLm | 65 |
| 62) N-nitrosodiphenylamine | 9.65 | 169 | 3526864 | 200.87 | ng/uL | 95 |
| 63) Azobenzene | 9.68 | 77 | 5426555 | 204.24 | ng/uL | 90 |
| 65) 4-Bromophenyl-phenylether | 10.27 | 248 | 1247173 | 219.86 | ng/uL# | 79 |
| 66) Hexachlorobenzene | 10.54 | 284 | 1345653 | 207.83 | ng/uL | 93 |
| 67) Pentachlorophenol | 10.88 | 266 | 896136 | 202.40 | ng/uL | 99 |
| 68) Phenanthrene | 11.16 | 178 | 5703840 | 200.72 | ng/uL | 96 |
| 69) Anthracene | 11.25 | 178 | 5424101 | 192.19 | ng/uLm | 96 |
| 70) Carbazole | 11.58 | 167 | 5630427 | 204.47 | ng/uL | 98 |
| 71) Di-n-butylphthalate | 12.43 | 149 | 7810429 | 203.91 | ng/uL | 99 |
| 72) Fluoranthene | 13.46 | 202 | 5688131 | 203.34 | ng/uL | 88 |
| 73) Benzidine | 13.78 | 184 | 3088188 | 196.56 | ng/uL | 99 |
| 75) Pyrene | 13.89 | 202 | 6124401 | 214.78 | ng/uLm | 96 |
| 77) Butylbenzylphthalate | 15.37 | 149 | 3570838 | 207.94 | ng/uL | 91 |
| 78) 3,3'-Dichlorobenzidine | 16.33 | 252 | 2076994 | 202.37 | ng/uL | 96 |
| 79) Benzo(a)anthracene | 16.29 | 228 | 5855019 | 211.20 | ng/uL | 95 |
| 80) Chrysene | 16.39 | 228 | 4924406 | 198.19 | ng/uLm | 98 |
| 81) bis(2-Ethylhexyl)phthalate | 16.59 | 149 | 4641229 | 199.04 | ng/uL | 94 |
| 83) Di-n-octylphthalate | 17.76 | 149 | 8341819 | 205.85 | ng/uL | 99 |
| 84) Benzo(b)fluoranthene | 18.38 | 252 | 7527979 | 204.05 | ng/uLm | 98 |
| 85) Benzo(k)fluoranthene | 18.42 | 252 | 2355792 | 116.35 | ng/uLm | 93 |
| 86) Benzo(a)pyrene | 18.88 | 252 | 4847507 | 204.18 | ng/uL | 99 |
| 87) Indeno(1,2,3-Cd)Pyrene | 20.64 | 276 | 2975461 | 108.04 | ng/uL | 90 |
| 88) Dibenzo(a,h)Anthracene | 20.66 | 278 | 2602134 | 116.06 | ng/uL | 92 |
| 89) Benzo(g,h,i)perylene | 21.01 | 276 | 1981135 | 88.47 | ng/uL | 97 |

(#) = qualifier out of range (m) = manual integration
 SV140346.D SV1NJ.M Thu Aug 17 16:44:51 2006

Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\080906\SV140346.D Vial: 9
Acq On : 9 Aug 106 3:31 pm Operator: JLS
Sample : BPH0116-CAL8 Inst : SVOA-MS1
Misc : Multiplr: 1.00
Quant Time: Aug 17 16:44 19106

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
Title : ELEMENT ID: 0608031(SOIL) 0608030(AQUEOUS)
Last Update : Thu Aug 17 16:37:27 2006
Response via : Multiple Level Calibration



Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\080906\SV140347.D Vial: 10
 Acq On : 9 Aug 106 4:01 pm Operator: JLS
 Sample : BPH0116-SCV1 Inst : SVOA-MS1
 Misc : Multiplr: 1.00
 Quant Time: Aug 17 17:00 19106

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
 Title : ELEMENT ID: 0608031(SOIL) 0608030(AQUEOUS)
 Last Update : Thu Aug 17 16:55:30 2006
 Response via : Multiple Level Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 4.36 | 152 | 394506 | 40.00 | ng/uL | -0.01 |
| 22) Naphthalene-d8 | 5.81 | 136 | 1459039 | 40.00 | ng/uL | -0.02 |
| 38) Acenaphthene-d10 | 8.39 | 164 | 666551 | 40.00 | ng/uL | -0.03 |
| 59) Phenanthrene-d10 | 11.05 | 188 | 1027371 | 40.00 | ng/uL | -0.06 |
| 74) Chrysene-d12 | 16.27 | 240 | 895658 | 40.00 | ng/uL | -0.05 |
| 82) Perylene-d12 | 18.92 | 264 | 862173 | 40.00 | ng/uL | -0.03 |

| System Monitoring Compounds | R.T. | QIon | Response | Conc | Units | %Recovery |
|----------------------------------|-------|------|----------|-------|-------|-----------|
| 4) 2-Fluorophenol (SURRE) | 2.85 | 112 | 731474 | 49.38 | ng/uL | 32.92% |
| 6) Phenol-d5 (SURRE) | 4.04 | 99 | 912380 | 48.38 | ng/uL | 32.26% |
| 10) 2-Chlorophenol-d4 (SURRE) | 4.17 | 132 | 748424 | 51.29 | ng/uL | 34.19% |
| 13) 1,2 Dichlorobenzene-d4 (SUR) | 4.57 | 152 | 522543 | 60.88 | ng/uL | 60.88% |
| 23) Nitrobenzene-d5 (SURRE) | 5.01 | 82 | 814881 | 60.98 | ng/uL | 60.98% |
| 42) 2-Fluorobiphenyl (SURRE) | 7.31 | 172 | 1392647 | 63.61 | ng/uL | 63.61% |
| 64) 2,4,6-Tribromophenol (SURRE) | 9.80 | 330 | 182382 | 46.08 | ng/uL | 30.72% |
| 76) Terphenyl-d14 (SURRE) | 14.24 | 244 | 1229350 | 64.50 | ng/uL | 64.50% |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|--------------------------------|------|------|----------|-------|--------|--------|
| 2) N-Nitrosodimethylamine | 1.06 | 74 | 44076 | 43.14 | ng/uL | 93 |
| 3) Pyridine | 1.06 | 79 | 79147 | 44.44 | ng/uL | 97 |
| 5) bis(2-Chloroethyl)ether | 4.13 | 93 | 747337 | 48.76 | ng/uL | 89 |
| 7) 2-Chlorophenol | 4.18 | 128 | 725135 | 47.51 | ng/uL | 95 |
| 8) Phenol | 4.06 | 94 | 1045007 | 46.60 | ng/uL | 98 |
| 9) Aniline | 4.06 | 93 | 844874 | 36.14 | ng/uL | 49 |
| 11) 1,3-Dichlorobenzene | 4.32 | 146 | 685472 | 45.85 | ng/uL | 99 |
| 12) 1,4-Dichlorobenzene | 4.38 | 146 | 715660 | 46.70 | ng/uL | 99 |
| 14) 1,2-Dichlorobenzene | 4.58 | 146 | 674312 | 48.23 | ng/uL | 99 |
| 15) Benzyl Alcohol | 4.54 | 79 | 524218 | 48.54 | ng/uL | 90 |
| 16) bis(2-chloroisopropyl)Ethe | 4.72 | 45 | 1087314 | 48.66 | ng/uL | 98 |
| 17) 2-Methylphenol | 4.69 | 108 | 644522 | 47.45 | ng/uL | 99 |
| 18) Acetophenone | 4.84 | 105 | 910095 | 52.13 | ng/uL | 95 |
| 19) N-Nitroso-Di-n-Propylamine | 4.88 | 70 | 501342 | 48.28 | ng/uLm | 73 |
| 20) Hexachloroethane | 4.92 | 117 | 287228 | 46.49 | ng/uL | 83 |
| 21) 3+4-Methylphenol | 4.87 | 108 | 1449255 | 99.92 | ng/uL | 99 |
| 24) Nitrobenzene | 5.03 | 77 | 656485 | 47.43 | ng/uL | 98 |
| 25) Isophorone | 5.28 | 82 | 1255766 | 47.77 | ng/uLm | 61 |
| 26) 2-Nitrophenol | 5.38 | 139 | 418167 | 47.96 | ng/uL | 89 |
| 27) Benzoic Acid | 5.63 | 105 | 500751 | 46.77 | ng/uLm | 92 |
| 28) 2,4-Dimethylphenol | 5.43 | 107 | 616734 | 51.19 | ng/uL | 92 |
| 29) bis(2-Chloroethoxy)methane | 5.54 | 93 | 828696 | 47.88 | ng/uL | 92 |
| 30) 2,4-Dichlorophenol | 5.66 | 162 | 500041 | 48.40 | ng/uL | 93 |
| 31) 1,2,4-Trichlorobenzene | 5.76 | 180 | 513688 | 47.34 | ng/uL | 97 |
| 32) Naphthalene | 5.84 | 128 | 1798242 | 48.15 | ng/uL | 100 |
| 33) 4-Chloroaniline | 5.93 | 127 | 698421 | 40.72 | ng/uL | 99 |
| 34) Hexachlorobutadiene | 6.07 | 225 | 254388 | 51.13 | ng/uL | 99 |
| 35) 4-Chloro-3-Methylphenol | 6.57 | 107 | 507794 | 48.64 | ng/uL | 90 |
| 36) 2-Methylnaphthalene | 6.74 | 142 | 1104407 | 48.79 | ng/uL | 98 |
| 37) 1-Methylnaphthalene | 6.89 | 142 | 27357 | 1.22 | ng/uL | 100 |
| 39) Hexachlorocyclopentadiene | 7.07 | 237 | 239005 | 41.28 | ng/uL | 99 |
| 40) 2,4,6-Trichlorophenol | 7.19 | 196 | 336126 | 48.75 | ng/uLm | 100 |
| 41) 2,4,5-Trichlorophenol | 7.26 | 196 | 361806 | 50.49 | ng/uL | 99 |
| 43) Biphenyl | 7.45 | 154 | 1343333 | 55.83 | ng/uL | 98 |
| 44) 2-Chloronaphthalene | 7.46 | 162 | 985017 | 44.18 | ng/uL | 95 |
| 45) Dimethylphthalate | 8.04 | 163 | 1119226 | 49.06 | ng/uLm | 76 |
| 46) Acenaphthylene | 8.13 | 152 | 1559256 | 48.47 | ng/uL | 100 |
| 47) 2,6-Dinitrotoluene | 8.81 | 165 | 364402 | 49.74 | ng/uL | 78 |
| 48) 2-Nitroaniline | 7.67 | 65 | 321854 | 47.53 | ng/uL | 95 |

(#) = qualifier out of range (m) = manual integration
 SV140347.D SV1NJ.M Thu Aug 17 17:00:24 2006

Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\080906\SV140347.D Vial: 10
 Acq On : 9 Aug 106 4:01 pm Operator: JLS
 Sample : BPH0116-SCV1 Inst : SVOA-MS1
 Misc : Multiplr: 1.00
 Quant Time: Aug 17 17:00 19106

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
 Title : ELEMENT ID: 0608031(SOIL) 0608030(AQUEOUS)
 Last Update : Thu Aug 17 16:55:30 2006
 Response via : Multiple Level Calibration

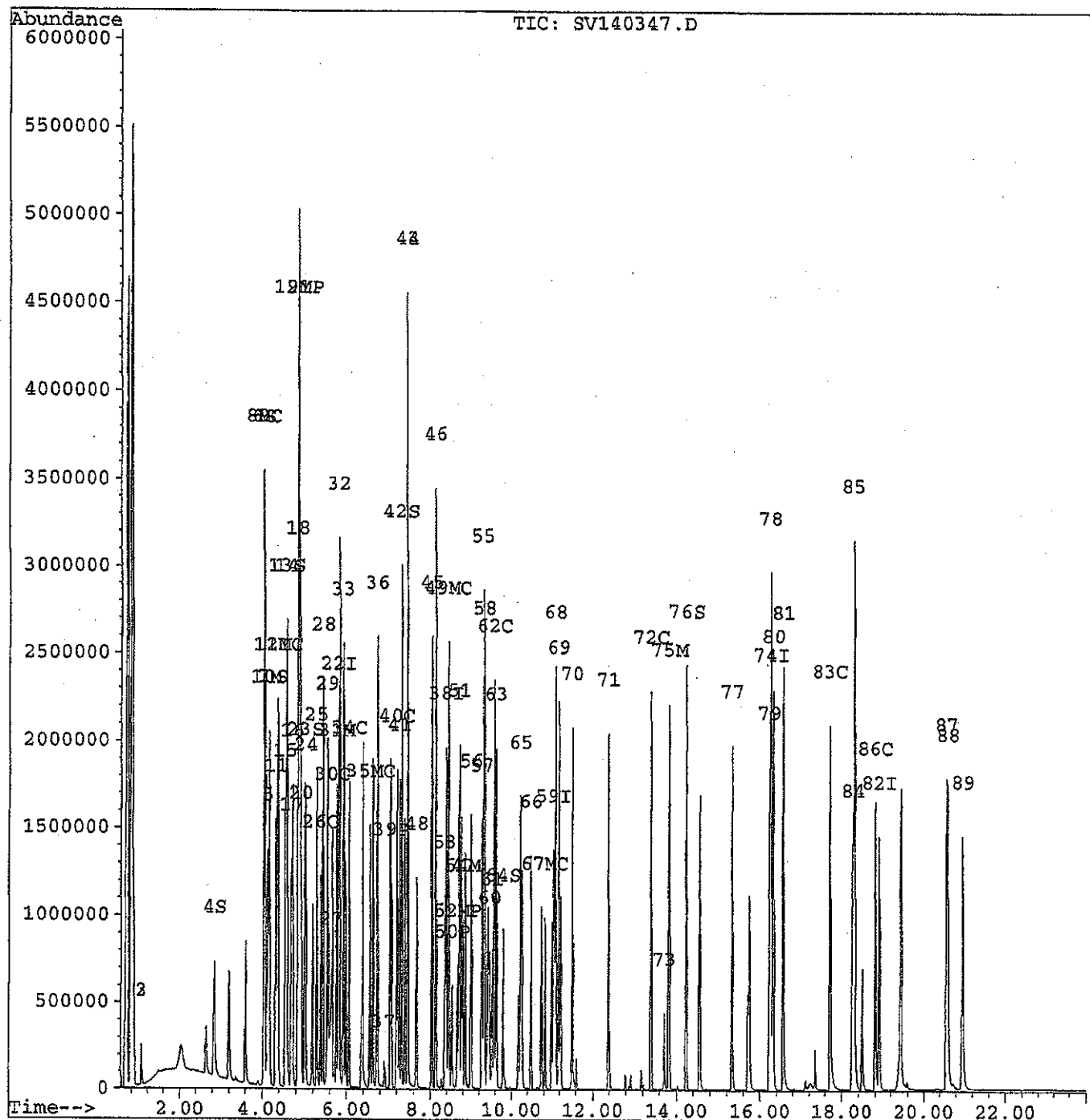
| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|-------|--------|--------|
| 49) Acenaphthene | 8.44 | 153 | 959481 | 48.91 | ng/uL | 100 |
| 50) 2,4-Dinitrophenol | 8.53 | 184 | 198829 | 47.04 | ng/uL | 87 |
| 51) Dibenzofuran | 8.72 | 168 | 1346082 | 48.40 | ng/uL | 92 |
| 52) 4-Nitrophenol | 8.67 | 65 | 229215 | 53.10 | ng/uL | 89 |
| 53) 3-Nitroaniline | 8.35 | 65 | 378199 | 49.99 | ng/uL | 92 |
| 54) 2,4-Dinitrotoluene | 8.81 | 165 | 364402 | 49.74 | ng/uL | 79 |
| 55) Fluorene | 9.32 | 166 | 1092713 | 50.40 | ng/uL | 100 |
| 56) 2,3,4,6-Tetrachlorophenol | 9.02 | 232 | 271148 | 48.63 | ng/uL | 96 |
| 57) Diethylphthalate | 9.27 | 149 | 1128948 | 49.68 | ng/uL | 98 |
| 58) 4-Chloro-phenyl-phenyl eth | 9.34 | 204 | 519664 | 51.83 | ng/uL | 92 |
| 60) 4-Nitroaniline | 9.46 | 138 | 364360 | 47.39 | ng/uLm | 1 |
| 61) 4,6-Dinitro-2-Methylphenol | 9.53 | 198 | 269837 | 47.03 | ng/uLm | 97 |
| 62) N-nitrosodiphenylamine | 9.58 | 169 | 920970 | 48.84 | ng/uLm | 98 |
| 63) Azobenzene | 9.63 | 77 | 1354929 | 47.49 | ng/uLm | 93 |
| 65) 4-Bromophenyl-phenylether | 10.23 | 248 | 290893 | 47.75 | ng/uLm | 77 |
| 66) Hexachlorobenzene | 10.49 | 284 | 321359 | 46.22 | ng/uLm | 87 |
| 67) Pentachlorophenol | 10.83 | 266 | 205861 | 47.53 | ng/uLm | 100 |
| 68) Phenanthrene | 11.10 | 178 | 1459032 | 47.81 | ng/uLm | 100 |
| 69) Anthracene | 11.19 | 178 | 1519156 | 50.08 | ng/uLm | 100 |
| 70) Carbazole | 11.51 | 167 | 1434075 | 48.49 | ng/uLm | 98 |
| 71) Di-n-butylphthalate | 12.38 | 149 | 1969853 | 47.89 | ng/uLm | 99 |
| 72) Fluoranthene | 13.41 | 202 | 1489788 | 49.59 | ng/uLm | 93 |
| 73) Benzidine | 13.71 | 184 | 265430 | 19.56 | ng/uLm | 98 |
| 75) Pyrene | 13.83 | 202 | 1534384 | 52.47 | ng/uL | 99 |
| 77) Butylbenzylphthalate | 15.33 | 149 | 878288 | 50.71 | ng/uL | 94 |
| 78) 3,3'-Dichlorobenzidine | 16.26 | 252 | 480482 | 47.25 | ng/uL | 95 |
| 79) Benzo(a)anthracene | 16.23 | 228 | 1371039 | 49.04 | ng/uLm | 96 |
| 80) Chrysene | 16.32 | 228 | 1262782 | 50.38 | ng/uL | 98 |
| 81) bis(2-Ethylhexyl)phthalate | 16.56 | 149 | 1161507 | 50.10 | ng/uL | 99 |
| 83) Di-n-octylphthalate | 17.72 | 149 | 2016595 | 48.76 | ng/uL | 99 |
| 84) Benzo(b)fluoranthene | 18.27 | 252 | 1429700 | 41.04 | ng/uLm | 97 |
| 85) Benzo(k)fluoranthene | 18.32 | 252 | 1217985 | 53.90 | ng/uL | 94 |
| 86) Benzo(a)pyrene | 18.82 | 252 | 1188600 | 46.61 | ng/uLm | 98 |
| 87) Indeno(1,2,3-Cd)Pyrene | 20.58 | 276 | 1382637 | 45.39 | ng/uL | 86 |
| 88) Dibenzo(a,h)Anthracene | 20.61 | 278 | 1139959 | 46.09 | ng/uL | 88 |
| 89) Benzo(g,h,i)perylene | 20.98 | 276 | 1155250 | 46.00 | ng/uL | 97 |

(#) = qualifier out of range (m) = manual integration
 SV140347.D SV1NJ.M Thu Aug 17 17:00:26 2006

Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\080906\SV140347.D Vial: 10
Acq On : 9 Aug 106 4:01 pm Operator: JLS
Sample : BPH0116-SCV1 Inst : SVOA-MS1
Misc : Multiplr: 1.00
Quant Time: Aug 17 17:00 19106

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
Title : ELEMENT ID: 0608031(SOIL) 0608030(AQUEOUS)
Last Update : Thu Aug 17 16:55:30 2006
Response via : Multiple Level Calibration



Evaluate Continuing Calibration Report

Data File : Q:\SVOA\MS1_MD\MD0806\080906\SV140347.D Vial: 10
 Acq On : 9 Aug 106 4:01 pm Operator: JLS
 Sample : BPH0116-SCV1 Inst : SVOA-MS1
 Misc : Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
 Title : ELEMENT ID: 0608031(SOIL) 0608030(AQUEOUS)
 Last Update : Thu Aug 17 16:55:30 2006
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|-------|-------------------------------|-------|-------|--------|-------|----------|
| 1 I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 104 | -0.01 |
| 2 | N-Nitrosodimethylamine | 0.104 | 0.089 | 13.7 | 84 | -0.01 |
| 3 | Pyridine | 0.181 | 0.160 | 11.1 | 85 | 0.00 |
| 4 S | 2-Fluorophenol (SURR) | 1.502 | 1.483 | 1.2 | 100 | -0.01 |
| 5 | bis(2-Chloroethyl)ether | 1.554 | 1.515 | 2.5 | 97 | -0.04 |
| 6 S | Phenol-d5 (SURR) | 1.912 | 1.850 | 3.2 | 96 | -0.05 |
| 7 M | 2-Chlorophenol | 1.548 | 1.470 | 5.0 | 95 | -0.04 |
| 8 MC | Phenol | 2.274 | 2.119 | 6.8 | 92 | -0.05 |
| 9 | Aniline | 2.370 | 1.713 | 27.7 | 72 | -0.04 |
| 10 S | 2-Chlorophenol-d4 (SURR) | 1.479 | 1.518 | -2.6 | 103 | -0.02 |
| 11 | 1,3-Dichlorobenzene | 1.516 | 1.390 | 8.3 | 92 | -0.02 |
| 12 MC | 1,4-Dichlorobenzene | 1.554 | 1.451 | 6.6 | 96 | -0.01 |
| 13 S | 1,2 Dichlorobenzene-d4 (SURR) | 0.870 | 1.060 | -21.8 | 119 | 0.00 |
| 14 | 1,2-Dichlorobenzene | 1.418 | 1.367 | 3.5 | 96 | -0.02 |
| 15 | Benzyl Alcohol | 1.095 | 1.063 | 2.9 | 97 | -0.03 |
| 16 | bis(2-chloroisopropyl)Ether | 2.266 | 2.205 | 2.7 | 97 | -0.02 |
| 17 | 2-Methylphenol | 1.377 | 1.307 | 5.1 | 96 | -0.02 |
| 18 | Acetophenone | 1.770 | 1.846 | -4.3 | 105 | -0.03 |
| 19 MP | N-Nitroso-Di-n-Propylamine | 1.053 | 1.017 | 3.4 | 95 | -0.07 |
| 20 | Hexachloroethane | 0.626 | 0.582 | 7.0 | 94 | -0.01 |
| 21 | 3+4-Methylphenol | 1.471 | 2.939 | -99.8# | 198 | -0.04 |
| 22 I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 102 | -0.02 |
| 23 S | Nitrobenzene-d5 (SURR) | 0.366 | 0.447 | -22.0 | 121 | -0.03 |
| 24 | Nitrobenzene | 0.379 | 0.360 | 5.1 | 95 | -0.03 |
| 25 | Isophorone | 0.721 | 0.689 | 4.5 | 96 | -0.06 |
| 26 C | 2-Nitrophenol | 0.239 | 0.229 | 4.1 | 97 | -0.02 |
| 27 | Benzoic Acid | 0.291 | 0.275 | 5.5 | 95 | -0.17 |
| 28 | 2,4-Dimethylphenol | 0.330 | 0.338 | -2.4 | 101 | -0.04 |
| 29 | bis(2-Chloroethoxy)methane | 0.474 | 0.454 | 4.2 | 97 | -0.03 |
| 30 C | 2,4-Dichlorophenol | 0.283 | 0.274 | 3.2 | 97 | -0.04 |
| 31 M | 1,2,4-Trichlorobenzene | 0.298 | 0.282 | 5.3 | 96 | -0.02 |
| 32 | Naphthalene | 1.024 | 0.986 | 3.7 | 96 | -0.02 |
| 33 | 4-Chloroaniline | 0.470 | 0.383 | 18.6 | 78 | -0.03 |
| 34 C | Hexachlorobutadiene | 0.136 | 0.139 | -2.3 | 97 | -0.01 |
| 35 MC | 4-Chloro-3-Methylphenol | 0.286 | 0.278 | 2.7 | 95 | -0.05 |
| 36 | 2-Methylnaphthalene | 0.621 | 0.606 | 2.4 | 96 | -0.03 |
| 37 | 1-Methylnaphthalene | 0.614 | 0.015 | 97.6# | 2# | -0.04 |
| 38 I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 105 | -0.03 |
| 39 P | Hexachlorocyclopentadiene | 0.347 | 0.287 | 17.4 | 78 | -0.02 |
| 40 C | 2,4,6-Trichlorophenol | 0.414 | 0.403 | 2.5 | 98 | -0.04 |
| 41 | 2,4,5-Trichlorophenol | 0.430 | 0.434 | -1.0 | 96 | -0.05 |
| 42 S | 2-Fluorobiphenyl (SURR) | 1.314 | 1.671 | -27.2 | 122 | -0.03 |
| 43 | Biphenyl | 1.444 | 1.612 | -11.7 | 101 | -0.04 |
| 44 | 2-Chloronaphthalene | 1.338 | 1.182 | 11.6 | 84 | -0.05 |
| 45 | Dimethylphthalate | 1.369 | 1.343 | 1.9 | 97 | -0.09 |
| 46 | Acenaphthylene | 1.931 | 1.871 | 3.1 | 92 | -0.05 |
| 47 | 2,6-Dinitrotoluene | 0.440 | 0.437 | 0.5 | 98 | -0.10 |
| 48 | 2-Nitroaniline | 0.406 | 0.386 | 4.9 | 101 | -0.07 |
| 49 MC | Acenaphthene | 1.177 | 1.152 | 2.2 | 93 | -0.05 |
| 50 P | 2,4-Dinitrophenol | 0.224 | 0.239 | -6.6 | 96 | -0.10 |
| 51 | Dibenzofuran | 1.669 | 1.616 | 3.2 | 95 | -0.04 |
| 52 MP | 4-Nitrophenol | 0.259 | 0.275 | -6.2 | 103 | -0.12 |
| 53 | 3-Nitroaniline | 0.454 | 0.454 | 0.0 | 98 | -0.11 |

(#) = Out of Range

SV140347.D SV1NJ.M

Thu Aug 17 17:01:50 2006

Page 1

Evaluate Continuing Calibration Report

Data File : Q:\SVOA\MS1_MD\MD0806\080906\SV140347.D Vial: 10
 Acq On : 9 Aug 106 4:01 pm Operator: JLS
 Sample : BPH0116-SCV1 Inst : SVOA-MS1
 Misc : Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
 Title : ELEMENT ID: 0608031(SOIL) 0608030(AQUEOUS)
 Last Update : Thu Aug 17 16:55:30 2006
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|-------|-----------------------------|-------|-------|-------|-------|----------|
| 54 M | 2,4-Dinitrotoluene | 0.440 | 0.437 | 0.5 | 98 | -0.10 |
| 55 | Fluorene | 1.301 | 1.311 | -0.8 | 95 | -0.04 |
| 56 | 2,3,4,6-Tetrachlorophenol | 0.335 | 0.325 | 2.7 | 94 | -0.06 |
| 57 | Diethylphthalate | 1.364 | 1.355 | 0.6 | 97 | -0.07 |
| 58 | 4-Chloro-phenyl-phenyl ethe | 0.602 | 0.624 | -3.7 | 96 | -0.04 |
| 59 I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 105 | -0.06 |
| 60 | 4-Nitroaniline | 0.299 | 0.284 | 5.2 | 95 | -0.14 |
| 61 | 4,6-Dinitro-2-Methylphenol | 0.206 | 0.210 | -2.0 | 101 | -0.11 |
| 62 C | N-nitrosodiphenylamine | 0.734 | 0.717 | 2.3 | 97 | -0.07 |
| 63 | Azobenzene | 1.111 | 1.055 | 5.0 | 94 | -0.05 |
| 64 S | 2,4,6-Tribromophenol (SURR) | 0.144 | 0.142 | 1.7 | 97 | -0.05 |
| 65 | 4-Bromophenyl-phenylether | 0.237 | 0.227 | 4.5 | 95 | -0.03 |
| 66 | Hexachlorobenzene | 0.271 | 0.250 | 7.6 | 94 | -0.05 |
| 67 MC | Pentachlorophenol | 0.151 | 0.160 | -6.0 | 99 | -0.06 |
| 68 | Phenanthrene | 1.188 | 1.136 | 4.4 | 96 | -0.07 |
| 69 | Anthracene | 1.181 | 1.183 | -0.2 | 96 | -0.07 |
| 70 | Carbazole | 1.151 | 1.117 | 3.0 | 95 | -0.07 |
| 71 | Di-n-butylphthalate | 1.602 | 1.534 | 4.2 | 94 | -0.04 |
| 72 C | Fluoranthene | 1.170 | 1.160 | 0.8 | 98 | -0.05 |
| 73 | Benzidine | 0.523 | 0.207 | 60.5# | 34# | -0.07 |
| 74 I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 97 | -0.05 |
| 75 M | Pyrene | 1.306 | 1.371 | -4.9 | 101 | -0.06 |
| 76 S | Terphenyl-d14 (SURR) | 0.851 | 1.098 | -29.0 | 119 | -0.04 |
| 77 | Butylbenzylphthalate | 0.773 | 0.784 | -1.4 | 94 | -0.04 |
| 78 | 3,3'-Dichlorobenzidine | 0.425 | 0.429 | -1.1 | 86 | -0.07 |
| 79 | Benzo(a)anthracene | 1.249 | 1.225 | 1.9 | 91 | -0.06 |
| 80 | Chrysene | 1.119 | 1.128 | -0.8 | 94 | -0.07 |
| 81 | bis(2-Ethylhexyl)phthalate | 0.981 | 1.037 | -5.7 | 94 | -0.03 |
| 82 I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 101 | -0.03 |
| 83 C | Di-n-octylphthalate | 1.725 | 1.871 | -8.5 | 98 | -0.04 |
| 84 | Benzo(b)fluoranthene | 1.475 | 1.327 | 10.1 | 84 | -0.11 |
| 85 | Benzo(k)fluoranthene | 1.069 | 1.130 | -5.8 | 99 | -0.10 |
| 86 C | Benzo(a)pyrene | 1.116 | 1.103 | 1.2 | 92 | -0.07 |
| 87 | Indeno(1,2,3-Cd)Pyrene | 1.235 | 1.283 | -3.9 | 89 | -0.05 |
| 88 | Dibenzo(a,h)Anthracene | 0.994 | 1.058 | -6.4 | 90 | -0.04 |
| 89 | Benzo(g,h,i)perylene | 1.061 | 1.072 | -1.0 | 91 | -0.03 |

(#) = Out of Range
 SV140347.D SV1NJ.M

SPCC's out = 0 CCC's out = 0
 Thu Aug 17 17:01:57 2006

Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\080906\COPYOF-1.D Vial: 2
 Acq On : 9 Aug 106 11:57 am Operator: JLS
 Sample : BPH0116-CAL1 Inst : SVOA-MS1
 Misc : Multiplr: 1.00
 Quant Time: Aug 11 9:44 19106

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
 Title : ELEMENT ID: 0607036(SOIL) 0607037(AQUEOUS)
 Last Update : Thu Aug 10 17:47:07 2006
 Response via : Multiple Level Calibration

3.5-65

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 4.36 | 152 | 413156 | 40.00 | ng/uL | -0.01 |
| 22) Naphthalene-d8 | 5.80 | 136 | 1611564 | 40.00 | ng/uL | -0.01 |
| 38) Acenaphthene-d10 | 8.38 | 164 | 760260 | 40.00 | ng/uL | -0.01 |
| 59) Phenanthrene-d10 | 11.03 | 188 | 1107206 | 40.00 | ng/uL | -0.02 |
| 74) Chrysene-d12 | 16.26 | 240 | 938238 | 40.00 | ng/uL | 0.00 |
| 82) Perylene-d12 | 18.90 | 264 | 951786 | 40.00 | ng/uL | -0.02 |

| System Monitoring Compounds | R.T. | QIon | Response | Conc | Units | %Recovery |
|----------------------------------|-------|------|----------|------|-------|-----------|
| 4) 2-Fluorophenol (SURR) | 2.84 | 112 | 72991 | 4.71 | ng/uL | 3.14% |
| 6) Phenol-d5 (SURR) | 4.03 | 99 | 95635 | 4.84 | ng/uL | 3.23% |
| 10) 2-Chlorophenol-d4 (SURR) | 4.16 | 132 | 71205 | 4.66 | ng/uL | 3.11% |
| 13) 1,2 Dichlorobenzene-d4 (SUR) | 4.56 | 152 | 42821 | 4.76 | ng/uL | 4.76% |
| 23) Nitrobenzene-d5 (SURR) | 4.99 | 82 | 70382 | 4.77 | ng/uL | 4.77% |
| 42) 2-Fluorobiphenyl (SURR) | 7.30 | 172 | 111859 | 4.48 | ng/uL | 4.48% |
| 64) 2,4,6-Tribromophenol (SURR) | 9.77 | 330 | 14769 | 6.56 | ng/uL | 4.37% |
| 76) Terphenyl-d14 (SURR) | 14.22 | 244 | 90948 | 4.56 | ng/uL | 4.56% |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|--------------------------------|------|------|----------|-------|-------|--------|
| 2) N-Nitrosodimethylamine | 1.06 | 74 | 5229 | 4.89 | ng/uL | 97 |
| 3) Pyridine | 1.06 | 79 | 8524 | 4.57 | ng/uL | 100 |
| 5) bis(2-Chloroethyl)ether | 4.13 | 93 | 83665 | 5.21 | ng/uL | 94 |
| 7) 2-Chlorophenol | 4.17 | 128 | 76794 | 4.80 | ng/uL | 90 |
| 8) Phenol | 4.04 | 94 | 113331 | 4.83 | ng/uL | 90 |
| 9) Aniline | 4.06 | 93 | 115894 | 4.73 | ng/uL | 98 |
| 11) 1,3-Dichlorobenzene | 4.33 | 146 | 79590 | 5.08 | ng/uL | 97 |
| 12) 1,4-Dichlorobenzene | 4.37 | 146 | 78985 | 4.92 | ng/uL | 98 |
| 14) 1,2-Dichlorobenzene | 4.58 | 146 | 72204 | 4.93 | ng/uL | 98 |
| 15) Benzyl Alcohol | 4.53 | 79 | 56649 | 5.01 | ng/uL | 90 |
| 16) bis(2-chloroisopropyl)Ethe | 4.71 | 45 | 131627 | 5.62 | ng/uL | 91 |
| 17) 2-Methylphenol | 4.67 | 108 | 69776 | 4.91 | ng/uL | 99 |
| 18) Acetophenone | 4.83 | 105 | 87233 | 4.77 | ng/uL | 82 |
| 19) N-Nitroso-Di-n-Propylamine | 4.86 | 70 | 52665 | 4.84 | ng/uL | 93 |
| 20) Hexachloroethane | 4.92 | 117 | 32274 | 4.99 | ng/uL | 84 |
| 21) 3+4-Methylphenol | 4.83 | 108 | 73167 | 4.82 | ng/uL | 100 |
| 24) Nitrobenzene | 5.01 | 77 | 77414 | 5.06 | ng/uL | 94 |
| 25) Isophorone | 5.27 | 82 | 139591 | 4.81 | ng/uL | 98 |
| 26) 2-Nitrophenol | 5.37 | 139 | 40701 | 4.23 | ng/uL | 93 |
| 27) Benzoic Acid | 5.51 | 105 | 39513 | 11.87 | ng/uL | 93 |
| 28) 2,4-Dimethylphenol | 5.41 | 107 | 59211 | 4.45 | ng/uL | 88 |
| 29) bis(2-Chloroethoxy)methane | 5.53 | 93 | 92233 | 4.83 | ng/uL | 93 |
| 30) 2,4-Dichlorophenol | 5.64 | 162 | 49755 | 4.36 | ng/uL | 94 |
| 31) 1,2,4-Trichlorobenzene | 5.75 | 180 | 55231 | 4.61 | ng/uL | 98 |
| 32) Naphthalene | 5.82 | 128 | 208677 | 5.06 | ng/uL | 99 |
| 33) 4-Chloroaniline | 5.91 | 127 | 81033 | 4.28 | ng/uL | 99 |
| 34) Hexachlorobutadiene | 6.06 | 225 | 23528 | 4.28 | ng/uL | 99 |
| 35) 4-Chloro-3-Methylphenol | 6.54 | 107 | 51274 | 4.45 | ng/uL | 92 |
| 36) 2-Methylnaphthalene | 6.73 | 142 | 116268 | 4.65 | ng/uL | 98 |
| 37) 1-Methylnaphthalene | 6.89 | 142 | 117130 | 4.74 | ng/uL | 100 |
| 39) Hexachlorocyclopentadiene | 7.07 | 237 | 24329 | 3.68 | ng/uL | 99 |
| 40) 2,4,6-Trichlorophenol | 7.18 | 196 | 33543 | 4.24 | ng/uL | 100 |
| 41) 2,4,5-Trichlorophenol | 7.23 | 196 | 34050 | 4.17 | ng/uL | 98 |
| 43) Biphenyl | 7.43 | 154 | 127836 | 4.66 | ng/uL | 96 |
| 44) 2-Chloronaphthalene | 7.44 | 162 | 123443 | 4.85 | ng/uL | 97 |
| 45) Dimethylphthalate | 8.01 | 163 | 120760 | 4.64 | ng/uL | 99 |
| 46) Acenaphthylene | 8.12 | 152 | 166735 | 4.54 | ng/uL | 99 |
| 47) 2,6-Dinitrotoluene | 8.77 | 165 | 36800 | 4.40 | ng/uL | 74 |
| 48) 2-Nitroaniline | 7.65 | 65 | 41138 | 5.35 | ng/uL | 92 |

Use 10

(#) = qualifier out of range (m) = manual integration
 COPYOF-1.D SV1NJ.M Fri Aug 11 09:44:50 2006

Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\080906\COPYOF-1.D Vial: 2
 Acq On : 9 Aug 106 11:57 am Operator: JLS
 Sample : BPH0116-CAL1 Inst : SVOA-MS1
 Misc : Multiplr: 1.00
 Quant Time: Aug 11 9:44 19106

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
 Title : ELEMENT ID: 0607036(SOIL) 0607037(AQUEOUS)
 Last Update : Thu Aug 10 17:47:07 2006
 Response via : Multiple Level Calibration

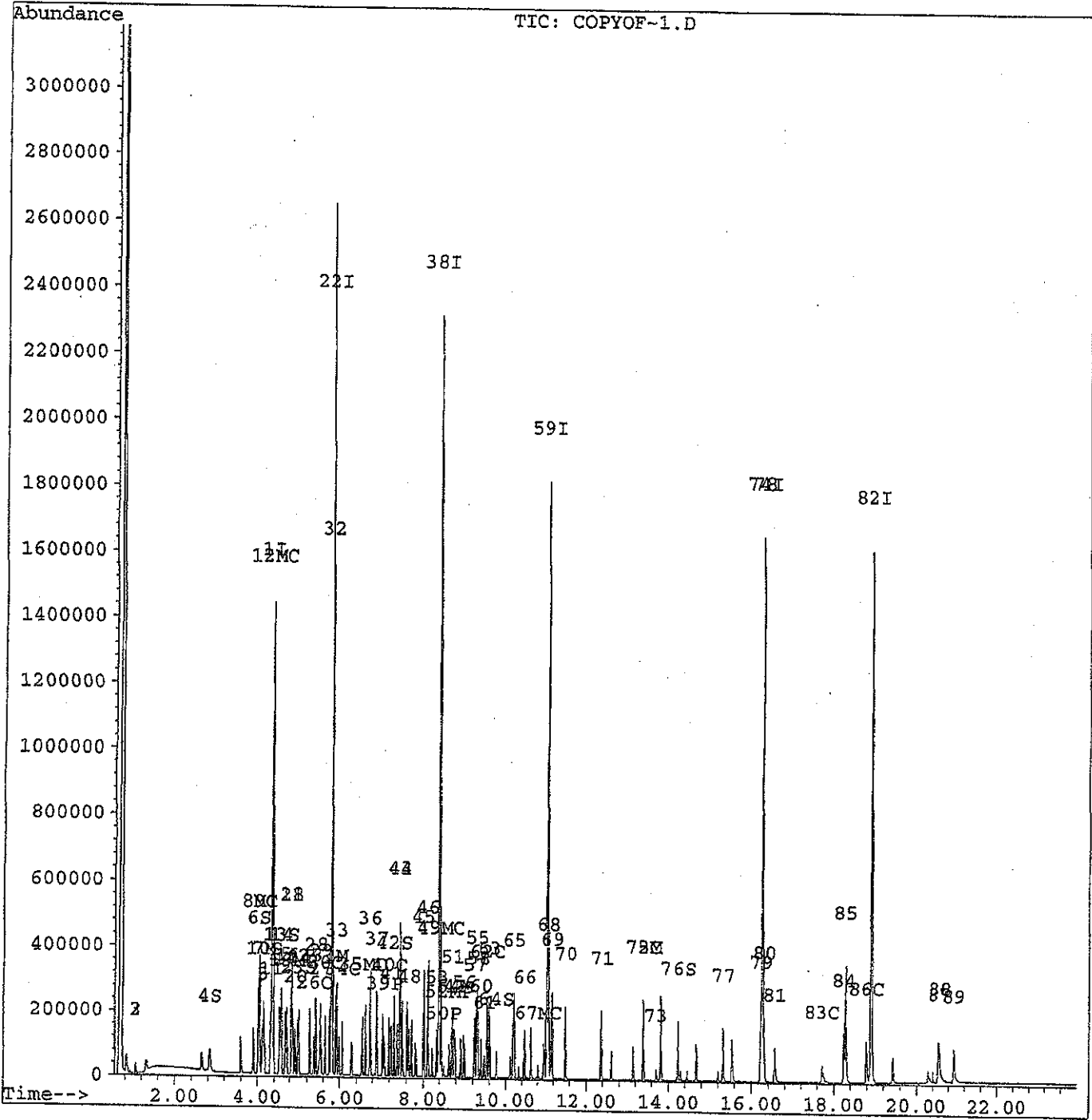
| Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|--------------------------------|-------|------|----------|--------------|-----------------|
| 49) Acenaphthene | 8.42 | 153 | 100941 | 4.51 ng/uL | 99 |
| 50) 2,4-Dinitrophenol | 8.49 | 184 | 7872 | 7.70 ng/uL | 87 <i>uL 50</i> |
| 51) Dibenzofuran | 8.70 | 168 | 143872 | 4.54 ng/uL | 92 |
| 52) 4-Nitrophenol | 8.62 | 65 | 22654 | 4.60 ng/uL | 84 |
| 53) 3-Nitroaniline | 8.33 | 65 | 41490 | 4.81 ng/uL | 88 |
| 54) 2,4-Dinitrotoluene | 8.77 | 165 | 36800 | 4.40 ng/uL | 83 |
| 55) Fluorene | 9.31 | 166 | 111162 | 4.50 ng/uL | 98 |
| 56) 2,3,4,6-Tetrachlorophenol | 8.99 | 232 | 25351 | 4.00 ng/uL | 97 |
| 57) Diethylphthalate | 9.25 | 149 | 118414 | 4.57 ng/uL | 97 |
| 58) 4-Chloro-phenyl-phenyl eth | 9.33 | 204 | 52013 | 4.55 ng/uL | 96 |
| 60) 4-Nitroaniline | 9.40 | 138 | 36935 | 4.46 ng/uL | 84 |
| 61) 4,6-Dinitro-2-Methylphenol | 9.49 | 198 | 18911 | 6.80 ng/uL | 92 <i>uL 50</i> |
| 62) N-nitrosodiphenylamine | 9.56 | 169 | 90374 | 4.45 ng/uL | 99 |
| 63) Azobenzene | 9.60 | 77 | 142611 | 4.64 ng/uL | 99 |
| 65) 4-Bromophenyl-phenylether | 10.22 | 248 | 27940 | 4.26 ng/uL# | 80 |
| 66) Hexachlorobenzene | 10.47 | 284 | 34676 | 4.63 ng/uL | 97 |
| 67) Pentachlorophenol | 10.81 | 266 | 10065 | 7.30 ng/uL | 99 <i>uL 50</i> |
| 68) Phenanthrene | 11.07 | 178 | 153869 | 4.68 ng/uL | 99 |
| 69) Anthracene | 11.15 | 178 | 151560 | 4.64 ng/uL | 100 |
| 70) Carbazole | 11.49 | 167 | 143967 | 4.52 ng/uL | 99 |
| 71) Di-n-butylphthalate | 12.37 | 149 | 196672 | 4.44 ng/uL | 99 |
| 72) Fluoranthene | 13.38 | 202 | 145365 | 4.49 ng/uL | 100 |
| 73) Benzidine | 13.70 | 184 | 24242 | 5.47 ng/uL | 97 |
| 75) Pyrene | 13.38 | 202 | 145365 | 4.83 ng/uL | 87 |
| 77) Butylbenzylphthalate | 15.32 | 149 | 77444 | 4.27 ng/uL | 91 |
| 78) 3,3'-Dichlorobenzidine | 16.24 | 252 | 31581 | 3.98 ng/uL | 98 |
| 79) Benzo(a)anthracene | 16.21 | 228 | 129994 | 4.44 ng/uL | 99 |
| 80) Chrysene | 16.30 | 228 | 124116 | 4.73 ng/uL | 100 |
| 81) bis(2-Ethylhexyl)phthalate | 16.56 | 149 | 83128 | 4.30 ng/uL | 100 |
| 83) Di-n-octylphthalate | 17.71 | 149 | 107522 | 8.62 ng/uL | 97 <i>uL 10</i> |
| 84) Benzo(b)fluoranthene | 18.23 | 252 | 92440 | 10.44 ng/uLm | 97 |
| 85) Benzo(k)fluoranthene | 18.27 | 252 | 150686 | 1.86 ng/uL | 94 |
| 86) Benzo(a)pyrene | 18.78 | 252 | 93367 | 6.60 ng/uL | 97 |
| 87) Indeno(1,2,3-Cd)Pyrene | 20.55 | 276 | 109297 | 5.50 ng/uL | 89 |
| 88) Dibenzo(a,h)Anthracene | 20.57 | 278 | 85647 | 5.53 ng/uL | 87 |
| 89) Benzo(g,h,i)perylene | 20.94 | 276 | 103291 | 5.29 ng/uL | 92 |

(#) = qualifier out of range (m) = manual integration
 COPYOF-1.D SV1NJ.M Fri Aug 11 09:44:52 2006

Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\080906\COPYOF-1.D Vial: 2
Acq On : 9 Aug 106 11:57 am Operator: JLS
Sample : BPH0116-CAL1 Inst : SVOA-MS1
Misc : Multiplr: 1.00
Quant Time: Aug 11 9:44 19106

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
Title : ELEMENT ID: 0607036(SOIL) 0607037(AQUEOUS)
Last Update : Thu Aug 10 17:47:07 2006
Response via : Multiple Level Calibration



Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\080906\COPYOF-2.D Vial: 3
 Acq On : 9 Aug 106 12:27 pm Operator: JLS
 Sample : BPH0116-CAL2 Inst : SVOA-MS1
 Misc : Multiplr: 1.00
 Quant Time: Aug 11 9:48 19106

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
 Title : ELEMENT ID: 0607036(SOIL) 0607037(AQUEOUS)
 Last Update : Thu Aug 10 17:47:07 2006
 Response via : Multiple Level Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|---------------------------|-------|------|----------|-------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4 | 4.36 | 152 | 340255 | 40.00 | ng/uL | -0.01 |
| 22) Naphthalene-d8 | 5.80 | 136 | 1335215 | 40.00 | ng/uL | -0.01 |
| 38) Acenaphthene-d10 | 8.38 | 164 | 607526 | 40.00 | ng/uL | -0.02 |
| 59) Phenanthrene-d10 | 11.03 | 188 | 904078 | 40.00 | ng/uL | -0.02 |
| 74) Chrysene-d12 | 16.25 | 240 | 764802 | 40.00 | ng/uL | -0.02 |
| 82) Perylene-d12 | 18.89 | 264 | 790065 | 40.00 | ng/uL | -0.02 |

| System Monitoring Compounds | R.T. | QIon | Response | Conc | Units | %Recovery |
|----------------------------------|-------|------|----------|-------|-------|-----------|
| 4) 2-Fluorophenol (SURR) | 2.83 | 112 | 120535 | 9.44 | ng/uL | 6.29% |
| 6) Phenol-d5 (SURR) | 4.02 | 99 | 158646 | 9.75 | ng/uL | 6.50% |
| 10) 2-Chlorophenol-d4 (SURR) | 4.15 | 132 | 120206 | 9.55 | ng/uL | 6.37% |
| 13) 1,2 Dichlorobenzene-d4 (SUR) | 4.56 | 152 | 71348 | 9.64 | ng/uL | 9.64% |
| 23) Nitrobenzene-d5 (SURR) | 4.99 | 82 | 117184 | 9.58 | ng/uL | 9.58% |
| 42) 2-Fluorobiphenyl (SURR) | 7.30 | 172 | 189252 | 9.48 | ng/uL | 9.48% |
| 64) 2,4,6-Tribromophenol (SURR) | 9.77 | 330 | 26606 | 10.43 | ng/uL | 6.95% |
| 76) Terphenyl-d14 (SURR) | 14.22 | 244 | 158116 | 9.71 | ng/uL | 9.71% |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|--------------------------------|------|------|----------|--------------------|-------|-----------|
| 2) N-Nitrosodimethylamine | 1.06 | 74 | 8567 | 9.72 | ng/uL | 97 |
| 3) Pyridine | 1.06 | 79 | 14404 | 9.38 | ng/uL | 97 |
| 5) bis(2-Chloroethyl)ether | 4.12 | 93 | 135824 | 10.28 | ng/uL | 90 |
| 7) 2-Chlorophenol | 4.17 | 128 | 122165 | 9.28 | ng/uL | 93 |
| 8) Phenol | 4.04 | 94 | 187069 | 9.67 | ng/uL | 95 |
| 9) Aniline | 4.05 | 93 | 191566 | 9.50 | ng/uL | 91 |
| 11) 1,3-Dichlorobenzene | 4.32 | 146 | 121654 | 9.43 | ng/uL | 98 |
| 12) 1,4-Dichlorobenzene | 4.38 | 146 | 130579 | 9.88 | ng/uL | 98 |
| 14) 1,2-Dichlorobenzene | 4.57 | 146 | 117931 | 9.78 | ng/uL | 99 |
| 15) Benzyl Alcohol | 4.53 | 79 | 92459 | 9.93 | ng/uL | 88 |
| 16) bis(2-chloroisopropyl)Ethe | 4.71 | 45 | 211536 | 10.98 | ng/uL | 96 |
| 17) 2-Methylphenol | 4.67 | 108 | 115572 | 9.87 | ng/uL | 99 |
| 18) Acetophenone | 4.82 | 105 | 149269 | 9.91 | ng/uL | 96 |
| 19) N-Nitroso-Di-n-Propylamine | 4.86 | 70 | 89676 | 10.01 | ng/uL | 97 |
| 20) Hexachloroethane | 4.91 | 117 | 52968 | 9.94 | ng/uL | 95 |
| 21) 3+4-Methylphenol | 4.83 | 108 | 122261 | 9.77 | ng/uL | 100 |
| 24) Nitrobenzene | 5.01 | 77 | 121491 | 9.59 | ng/uL | 97 |
| 25) Isophorone | 5.27 | 82 | 221016 | 9.19 | ng/uL | 99 |
| 26) 2-Nitrophenol | 5.37 | 139 | 69890 | 8.76 | ng/uL | 95 |
| 27) Benzoic Acid | 5.52 | 105 | 57465 | <u>13.90</u> ng/uL | | 96 - 4.50 |
| 28) 2,4-Dimethylphenol | 5.42 | 107 | 102715 | 9.32 | ng/uL | 92 |
| 29) bis(2-Chloroethoxy)methane | 5.52 | 93 | 150287 | 9.49 | ng/uL | 86 |
| 30) 2,4-Dichlorophenol | 5.64 | 162 | 81480 | 8.62 | ng/uL | 94 |
| 31) 1,2,4-Trichlorobenzene | 5.75 | 180 | 90384 | 9.10 | ng/uL | 97 |
| 32) Naphthalene | 5.82 | 128 | 340511 | 9.96 | ng/uL | 99 |
| 33) 4-Chloroaniline | 5.91 | 127 | 141445 | 9.01 | ng/uL | 98 |
| 34) Hexachlorobutadiene | 6.06 | 225 | 42226 | 9.27 | ng/uL | 98 |
| 35) 4-Chloro-3-Methylphenol | 6.54 | 107 | 87998 | 9.21 | ng/uL | 90 |
| 36) 2-Methylnaphthalene | 6.73 | 142 | 191565 | 9.25 | ng/uL | 99 |
| 37) 1-Methylnaphthalene | 6.88 | 142 | 188803 | 9.21 | ng/uL | 100 |
| 39) Hexachlorocyclopentadiene | 7.07 | 237 | 46718 | 8.85 | ng/uL | 99 |
| 40) 2,4,6-Trichlorophenol | 7.18 | 196 | 55790 | 8.82 | ng/uL | 99 |
| 41) 2,4,5-Trichlorophenol | 7.23 | 196 | 57914 | 8.88 | ng/uL | 99 |
| 43) Biphenyl | 7.44 | 154 | 212352 | 9.68 | ng/uL | 97 |
| 44) 2-Chloronaphthalene | 7.45 | 162 | 205021 | 10.09 | ng/uL | 96 |
| 45) Dimethylphthalate | 8.01 | 163 | 198835 | 9.55 | ng/uL | 99 |
| 46) Acenaphthylene | 8.12 | 152 | 274929 | 9.38 | ng/uL | 99 |
| 47) 2,6-Dinitrotoluene | 8.77 | 165 | 64667 | 9.69 | ng/uL | 77 |
| 48) 2-Nitroaniline | 7.65 | 65 | 69076 | 11.25 | ng/uL | 89 |

(#) = qualifier out of range (m) = manual integration
 COPYOF-2.D SV1NJ.M Fri Aug 11 09:48:53 2006

Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\080906\COPYOF-2.D
 Acq On : 9 Aug 106 12:27 pm
 Sample : BPH0116-CAL2
 Misc :
 Quant Time: Aug 11 9:48 19106

Vial: 3
 Operator: JLS
 Inst : SVOA-MS1
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
 Title : ELEMENT ID: 0607036(SOIL) 0607037(AQUEOUS)
 Last Update : Thu Aug 10 17:47:07 2006
 Response via : Multiple Level Calibration

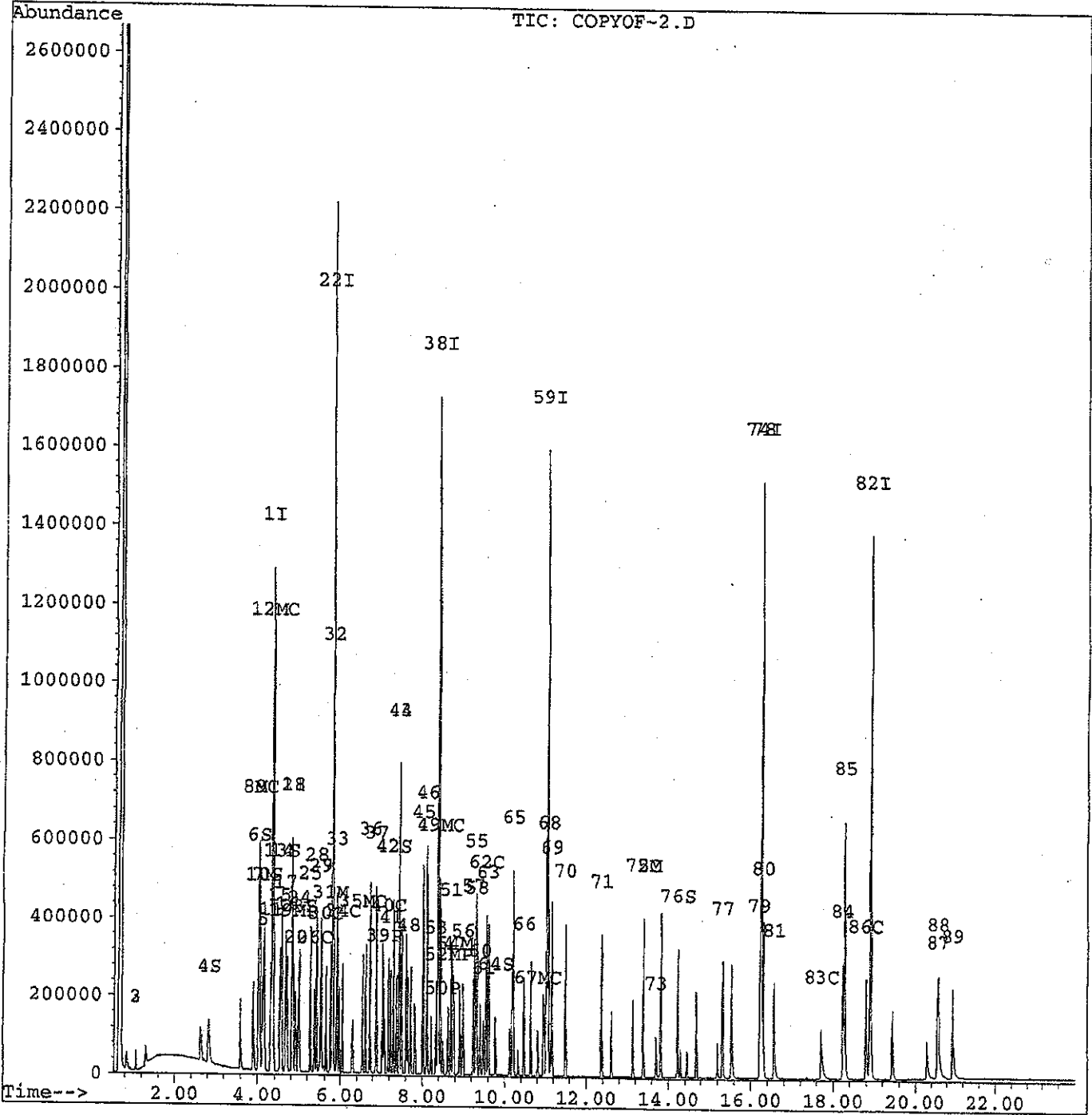
| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|-------|--------|--------|
| 49) Acenaphthene | 8.43 | 153 | 168274 | 9.41 | ng/uL | 98 |
| 50) 2,4-Dinitrophenol | 8.49 | 184 | 20527 | 10.90 | ng/uL | 87 |
| 51) Dibenzofuran | 8.70 | 168 | 235333 | 9.28 | ng/uL | 92 |
| 52) 4-Nitrophenol | 8.62 | 65 | 38746 | 9.85 | ng/uL | 83 |
| 53) 3-Nitroaniline | 8.33 | 65 | 69125 | 10.03 | ng/uL | 92 |
| 54) 2,4-Dinitrotoluene | 8.77 | 165 | 64667 | 9.69 | ng/uL | 80 |
| 55) Fluorene | 9.31 | 166 | 188639 | 9.55 | ng/uL | 99 |
| 56) 2,3,4,6-Tetrachlorophenol | 8.99 | 232 | 44421 | 8.78 | ng/ul | 97 |
| 57) Diethylphthalate | 9.25 | 149 | 198685 | 9.60 | ng/uL | 99 |
| 58) 4-Chloro-phenyl-phenyl eth | 9.33 | 204 | 86811 | 9.50 | ng/uL | 93 |
| 60) 4-Nitroaniline | 9.41 | 138 | 64189 | 9.49 | ng/uL | 94 |
| 61) 4,6-Dinitro-2-Methylphenol | 9.49 | 198 | 35165 | 10.37 | ng/uL | 91 |
| 62) N-nitrosodiphenylamine | 9.55 | 169 | 157737 | 9.51 | ng/uL | 100 |
| 63) Azobenzene | 9.60 | 77 | 230060 | 9.16 | ng/ul | 99 |
| 65) 4-Bromophenyl-phenylether | 10.22 | 248 | 45518 | 8.49 | ng/uL# | 81 |
| 66) Hexachlorobenzene | 10.47 | 284 | 55563 | 9.08 | ng/uL | 98 |
| 67) Pentachlorophenol | 10.81 | 266 | 23739 | 10.91 | ng/uL | 95 |
| 68) Phenanthrene | 11.07 | 178 | 264371 | 9.84 | ng/uL | 99 |
| 69) Anthracene | 11.15 | 178 | 259742 | 9.74 | ng/uL | 99 |
| 70) Carbazole | 11.49 | 167 | 246978 | 9.49 | ng/uL | 99 |
| 71) Di-n-butylphthalate | 12.37 | 149 | 341756 | 9.44 | ng/uL | 99 |
| 72) Fluoranthene | 13.38 | 202 | 248576 | 9.40 | ng/uL | 98 |
| 73) Benzidine | 13.70 | 184 | 60266 | 8.14 | ng/ul | 100 |
| 75) Pyrene | 13.38 | 202 | 248576 | 10.12 | ng/uL | 88 |
| 77) Butylbenzylphthalate | 15.32 | 149 | 141481 | 9.57 | ng/uL | 94 |
| 78) 3,3'-Dichlorobenzidine | 16.24 | 252 | 66760 | 8.60 | ng/uL | 96 |
| 79) Benzo(a)anthracene | 16.21 | 228 | 221398 | 9.27 | ng/uL | 100 |
| 80) Chrysene | 16.30 | 228 | 210733 | 9.85 | ng/uL | 99 |
| 81) bis(2-Ethylhexyl)phthalate | 16.56 | 149 | 164462 | 9.10 | ng/uL | 99 |
| 83) Di-n-octylphthalate | 17.71 | 149 | 217508 | 11.55 | ng/uL | 100 |
| 84) Benzo(b)fluoranthene | 18.23 | 252 | 166095 | 12.66 | ng/uLm | 97 |
| 85) Benzo(k)fluoranthene | 18.28 | 252 | 267063 | 8.18 | ng/uL | 92 |
| 86) Benzo(a)pyrene | 18.79 | 252 | 179158 | 10.62 | ng/uL | 98 |
| 87) Indeno(1,2,3-Cd)Pyrene | 20.55 | 276 | 208146 | 9.48 | ng/uL | 85 |
| 88) Dibenzo(a,h)Anthracene | 20.58 | 278 | 167378 | 9.54 | ng/uL | 86 |
| 89) Benzo(g,h,i)perylene | 20.93 | 276 | 189285 | 9.62 | ng/uL | 98 |

(#) = qualifier out of range (m) = manual integration
 COPYOF-2.D SV1NJ.M Fri Aug 11 09:48:55 2006

Quantitation Report

Data File : Q:\SVOA\MS1_MD\MD0806\080906\COPYOF-2.D Vial: 3
Acq On : 9 Aug 106 12:27 pm Operator: JLS
Sample : BPH0116-CAL2 Inst : SVOA-MS1
Misc : Multiplr: 1.00
Quant Time: Aug 11 9:48 19106

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
Title : ELEMENT ID: 0607036(SOIL) 0607037(AQUEOUS)
Last Update : Thu Aug 10 17:47:07 2006
Response via : Multiple Level Calibration



Calibration Status Report SVOA-MS1

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
 Title : ELEMENT ID: 0608031(SOIL) 0608030(AQUEOUS)
 Last Update : Thu Aug 17 16:55:30 2006
 Response via : Initial Calibration

| # | ID | Conc | ISTD Conc | Path\File |
|---|-----|------|--------------|---|
| 1 | 5 | 5 | 40 | Q:\SVOA\MS1_MD\MD0806\080906\SV140339.D |
| 2 | 80 | 80 | 40 | Q:\SVOA\MS1_MD\MD0806\080906\SV140343.D |
| 3 | 50 | 50 | 40 | Q:\SVOA\MS1_MD\MD0806\080906\SV140342.D |
| 4 | 200 | 200 | 40 | Q:\SVOA\MS1_MD\MD0806\080906\SV140346.D |
| 5 | 120 | 120 | 40 | Q:\SVOA\MS1_MD\MD0806\080906\SV140344.D |
| 6 | 160 | 160 | 40 | Q:\SVOA\MS1_MD\MD0806\080906\SV140345.D |
| 8 | 25 | 25 | 40 | Q:\SVOA\MS1_MD\MD0806\080906\SV140341.D |

| # | ID | Update Time | Quant Time | Acquisition Time |
|---|-----|-------------------|--------------------|--------------------|
| 1 | 5 | Aug 17 16:52 2006 | Aug 17 16:52 19106 | 9 Aug 106 11:57 am |
| 2 | 80 | Aug 10 16:23 2006 | Aug 10 16:21 19106 | 9 Aug 106 1:59 pm |
| 3 | 50 | Aug 10 16:02 2006 | Aug 10 12:17 19106 | 9 Aug 106 1:29 pm |
| 4 | 200 | Aug 17 16:54 2006 | Aug 17 16:44 19106 | 9 Aug 106 3:31 pm |
| 5 | 120 | Aug 10 16:25 2006 | Aug 10 16:25 19106 | 9 Aug 106 2:30 pm |
| 6 | 160 | Aug 17 16:53 2006 | Aug 17 16:40 19106 | 9 Aug 106 3:00 pm |
| 8 | 25 | Aug 10 16:21 2006 | Aug 10 16:18 19106 | 9 Aug 106 12:58 pm |

SV1NJ.M

Thu Aug 17 17:00:37 2006

✓
8/17/06

Response Factor Report SVOA-MS1

Method : C:\HPCHEM\1\METHODS\SV1NJ.M
 Title : ELEMENT ID: 0608031(SOIL) 0608030(AQUEOUS)
 Last Update : Thu Aug 17 16:55:30 2006
 Response via : Initial Calibration

Calibration Files
 5 =SV140339.D 80 =SV140343.D 50 =SV140342.D
 200 =SV140346.D 120 =SV140344.D 160 =SV140345.D

| Compound | 5 | 80 | 50 | 200 | 120 | 160 | Avg | %RSD |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------------|
| -----ISTD----- | | | | | | | | |
| 1) I 1,4-Dichlorobenzene-d | | | | | | | | |
| 2) N-Nitrosodimethylam | 0.101 | 0.103 | 0.110 | 0.100 | 0.098 | 0.098 | 0.104 | 7.00 |
| 3) Pyridine | 0.165 | 0.185 | 0.197 | 0.172 | 0.179 | 0.173 | 0.181 | 7.76 |
| 4) S 2-Fluorophenol (SUR | 1.413 | 1.512 | 1.534 | 1.577 | 1.495 | 1.540 | 1.502 | 3.89 |
| 5) bis(2-Chloroethyl)e | 1.620 | 1.556 | 1.617 | 1.406 | 1.493 | 1.526 | 1.554 | 4.92 |
| 6) S Phenol-d5 (SURR) | 1.852 | 1.944 | 1.995 | 1.892 | 1.898 | 1.901 | 1.912 | 2.48 |
| 7) M 2-Chlorophenol | 1.487 | 1.570 | 1.603 | 1.593 | 1.574 | 1.561 | 1.548 | 3.68 |
| 8) MC Phenol | 2.194 | 2.325 | 2.383 | 2.260 | 2.245 | 2.238 | 2.274 | 3.06 |
| 9) Aniline | 2.244 | 2.393 | 2.457 | 2.462 | 2.356 | 2.378 | 2.370 | 3.53 |
| 10) S 2-Chlorophenol-d4(S | 1.379 | 1.508 | 1.537 | 1.500 | 1.502 | 1.493 | 1.479 | 3.65 |
| 11) 1,3-Dichlorobenzene | 1.541 | 1.507 | 1.569 | 1.552 | 1.496 | 1.548 | 1.516 | 3.03 |
| 12) MC 1,4-Dichlorobenzene | 1.529 | 1.576 | 1.571 | 1.527 | 1.583 | 1.507 | 1.554 | 2.16 |
| 13) S 1,2 Dichlorobenzene | 0.829 | 0.922 | 0.928 | 0.794 | 0.911 | 0.842 | 0.870 | 5.77 |
| 14) 1,2-Dichlorobenzene | 1.398 | 1.467 | 1.476 | 1.304 | 1.456 | 1.404 | 1.418 | 4.03 |
| 15) Benzyl Alcohol | 1.097 | 1.100 | 1.141 | 1.054 | 1.073 | 1.069 | 1.095 | 2.88 |
| 16) bis(2-chloroisoprop | 2.549 | 2.200 | 2.354 | 1.953 | 2.072 | 2.021 | 2.266 | 10.36 |
| 17) 2-Methylphenol | 1.351 | 1.371 | 1.414 | 1.384 | 1.343 | 1.383 | 1.377 | 1.91 |
| 18) Acetophenone | 1.689 | 1.776 | 1.830 | 1.775 | 1.713 | 1.769 | 1.770 | 3.09 |
| 19) MP N-Nitroso-Di-n-Prop | 1.020 | 1.072 | 1.111 | 1.011 | 1.017 | 1.020 | 1.053 | 4.13# |
| 20) Hexachloroethane | 0.625 | 0.631 | 0.644 | 0.614 | 0.625 | 0.627 | 0.626 | 1.35 |
| 21) 3+4-Methylphenol | 1.417 | 1.487 | 1.544 | 1.456 | 1.435 | 1.468 | 1.471 | 3.01 |
| -----ISTD----- | | | | | | | | |
| 22) I Naphthalene-d8 | | | | | | | | |
| 23) S Nitrobenzene-d5 (SU | 0.349 | 0.364 | 0.379 | 0.381 | 0.368 | 0.367 | 0.366 | 3.12 |
| 24) Nitrobenzene | 0.384 | 0.374 | 0.388 | 0.386 | 0.379 | 0.375 | 0.379 | 2.18 |
| 25) Isophorone | 0.693 | 0.713 | 0.736 | 0.773 | 0.732 | 0.739 | 0.721 | 4.60 |
| 26) C 2-Nitrophenol | 0.202 | 0.243 | 0.243 | 0.277 | 0.253 | 0.255 | 0.239 | 10.35 |
| 27) Benzoic Acid | | 0.307 | 0.296 | 0.358 | 0.325 | 0.348 | 0.291 | 23.78 L - 5 |
| 28) 2,4-Dimethylphenol | 0.294 | 0.335 | 0.342 | 0.358 | 0.339 | 0.340 | 0.330 | 6.17 |
| 29) bis(2-Chloroethoxy) | 0.458 | 0.476 | 0.480 | 0.498 | 0.483 | 0.482 | 0.474 | 3.20 |
| 30) C 2,4-Dichlorophenol | 0.247 | 0.292 | 0.289 | 0.313 | 0.303 | 0.305 | 0.283 | 9.30 |
| 31) M 1,2,4-Trichlorobenz | 0.274 | 0.304 | 0.301 | 0.322 | 0.309 | 0.315 | 0.298 | 6.32 |
| 32) Naphthalene | 1.036 | 1.019 | 1.052 | 0.998 | 1.015 | 0.996 | 1.024 | 2.17 |
| 33) 4-Chloroaniline | 0.402 | 0.496 | 0.503 | 0.480 | 0.501 | 0.487 | 0.470 | 7.96 |
| 34) C Hexachlorobutadiene | 0.117 | 0.142 | 0.146 | 0.137 | 0.146 | 0.138 | 0.136 | 7.40 |
| 35) MC 4-Chloro-3-Methylph | 0.255 | 0.298 | 0.300 | 0.303 | 0.297 | 0.294 | 0.286 | 6.39 |
| 36) 2-Methylnaphthalene | 0.577 | 0.639 | 0.646 | 0.616 | 0.656 | 0.627 | 0.621 | 4.89 |
| 37) 1-Methylnaphthalene | 0.581 | 0.636 | 0.650 | 0.616 | 0.632 | 0.600 | 0.614 | 4.74 |
| -----ISTD----- | | | | | | | | |
| 38) I Acenaphthene-d10 | | | | | | | | |
| 39) P Hexachlorocyclopent | 0.256 | 0.374 | 0.387 | 0.366 | 0.373 | 0.359 | 0.347 | 12.60# |
| 40) C 2,4,6-Trichlorophen | 0.353 | 0.417 | 0.434 | 0.482 | 0.416 | 0.435 | 0.414 | 9.79 |
| 41) 2,4,5-Trichlorophen | 0.358 | 0.451 | 0.476 | 0.448 | 0.444 | 0.450 | 0.430 | 9.21 |
| 42) S 2-Fluorobiphenyl (S | 1.177 | 1.340 | 1.435 | 1.361 | 1.289 | 1.295 | 1.314 | 6.08 |
| 43) Biphenyl | 1.345 | 1.542 | 1.674 | 1.330 | 1.374 | 1.310 | 1.444 | 9.38 |
| 44) 2-Chloronaphthalene | 1.299 | 1.368 | 1.473 | 1.258 | 1.285 | 1.227 | 1.338 | 6.55 |
| 45) Dimethylphthalate | 1.271 | 1.401 | 1.454 | 1.415 | 1.360 | 1.361 | 1.369 | 4.28 |
| 46) Acenaphthylene | 1.755 | 2.022 | 2.139 | 1.932 | 1.946 | 1.845 | 1.931 | 6.47 |
| 47) 2,6-Dinitrotoluene | 0.387 | 0.451 | 0.470 | 0.450 | 0.437 | 0.438 | 0.440 | 5.74 |
| 48) 2-Nitroaniline | 0.433 | 0.380 | 0.403 | 0.386 | 0.357 | 0.374 | 0.406 | 9.62 |
| 49) MC Acenaphthene | 1.062 | 1.223 | 1.295 | 1.181 | 1.200 | 1.147 | 1.177 | 6.10 |
| 50) P 2,4-Dinitrophenol | 0.083 | 0.264 | 0.260 | 0.293 | 0.264 | 0.275 | 0.224 | 33.66# L |
| 51) Dibenzofuran | 1.514 | 1.712 | 1.790 | 1.728 | 1.691 | 1.669 | 1.669 | 5.53 |
| 52) MP 4-Nitrophenol | 0.238 | 0.272 | 0.282 | 0.251 | 0.253 | 0.249 | 0.259 | 5.69# |
| 53) 3-Nitroaniline | 0.437 | 0.462 | 0.489 | 0.438 | 0.431 | 0.433 | 0.454 | 5.15 |
| 54) M 2,4-Dinitrotoluene | 0.387 | 0.451 | 0.470 | 0.450 | 0.437 | 0.438 | 0.440 | 5.74 |

(#) = Out of Range ### Number of calibration levels exceeded format ###
 SV1NJ.M Thu Aug 17 17:00:53 2006

Response Factor Report SVOA-MS1

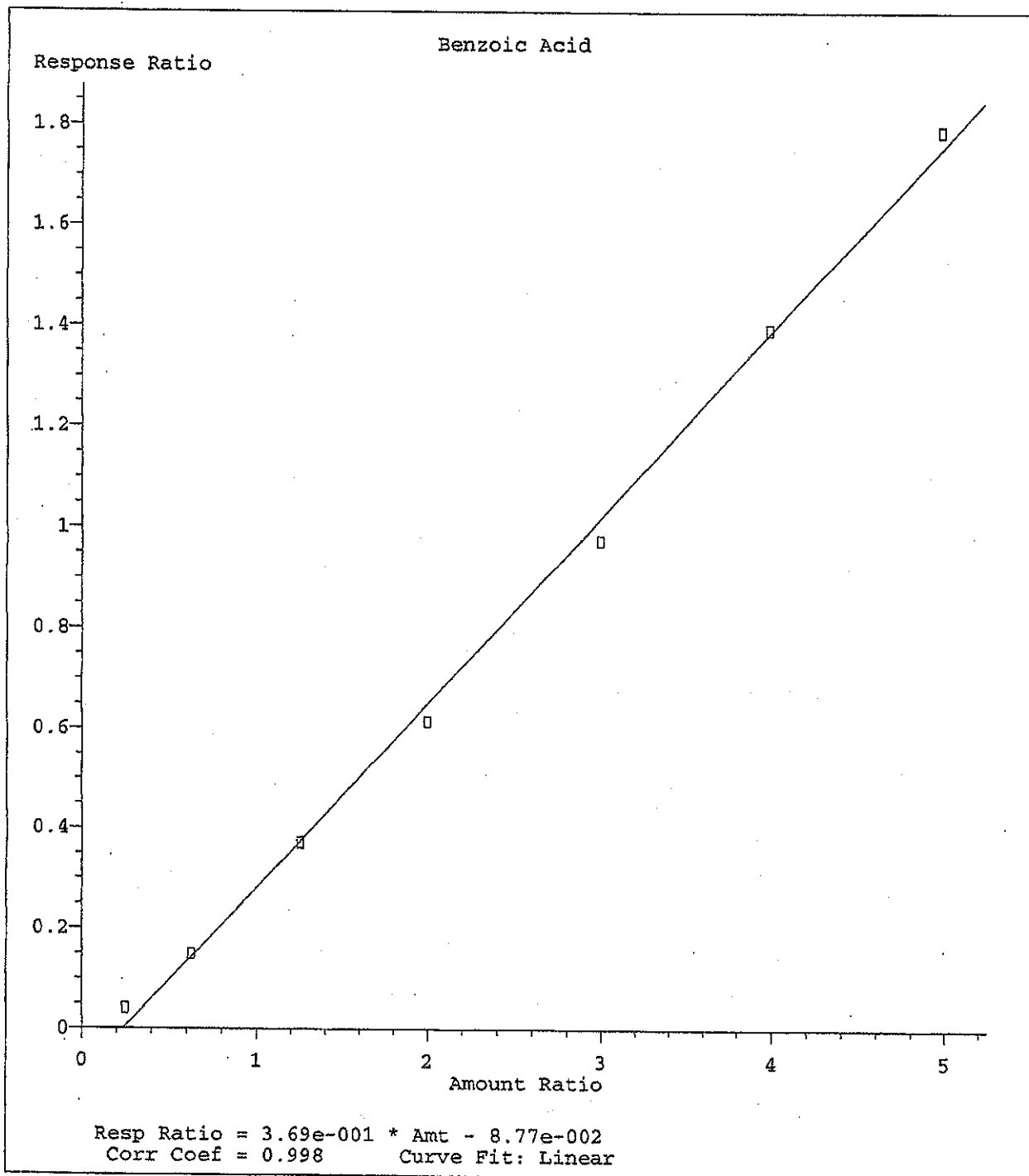
Method : C:\HPCHEM\1\METHODS\SV1NJ.M
 Title : ELEMENT ID: 0608031(SOIL) 0608030(AQUEOUS)
 Last Update : Thu Aug 17 16:55:30 2006
 Response via : Initial Calibration

Calibration Files

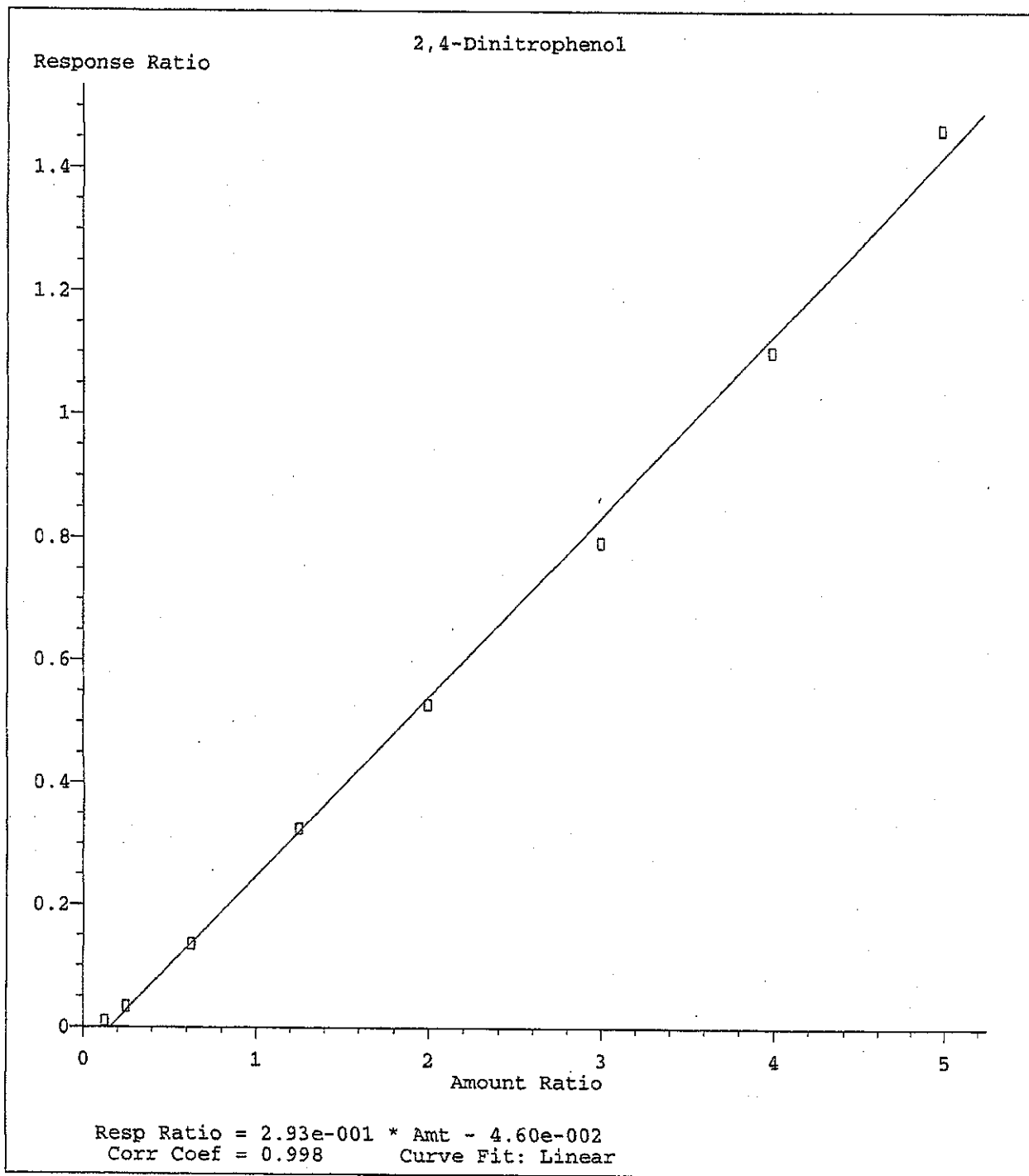
5 =SV140339.D 80 =SV140343.D 50 =SV140342.D
 200 =SV140346.D 120 =SV140344.D 160 =SV140345.D

| Compound | 5 | 80 | 50 | 200 | 120 | 160 | Avg | %RSD | |
|---------------------------|-------|-------|-------|-------|-------|-------|-------|---------|--|
| 55) Fluorene | 1.170 | 1.397 | 1.455 | 1.204 | 1.323 | 1.211 | 1.301 | 8.36 | |
| 56) 2,3,4,6-Tetrachloro | 0.267 | 0.356 | 0.364 | 0.357 | 0.356 | 0.349 | 0.335 | 10.63 | |
| 57) Diethylphthalate | 1.246 | 1.389 | 1.474 | 1.364 | 1.372 | 1.327 | 1.364 | 5.23 | |
| 58) 4-Chloro-phenyl-phe | 0.547 | 0.659 | 0.683 | 0.532 | 0.625 | 0.548 | 0.602 | 9.77 | |
| -----ISTD----- | | | | | | | | | |
| 59) I Phenanthrene-d10 | | | | | | | | | |
| 60) 4-Nitroaniline | 0.267 | 0.297 | 0.312 | 0.321 | 0.312 | 0.303 | 0.299 | 5.81 | |
| 61) 4,6-Dinitro-2-Methy | 0.137 | 0.222 | 0.220 | 0.237 | 0.243 | 0.240 | 0.206 | 19.68 | |
| 62) C N-nitrosodiphenylam | 0.653 | 0.765 | 0.776 | 0.737 | 0.789 | 0.724 | 0.734 | 6.04 L | |
| 63) Azobenzene | 1.030 | 1.157 | 1.182 | 1.134 | 1.194 | 1.120 | 1.111 | 6.24 | |
| 64) S 2,4,6-Tribromopheno | 0.107 | 0.154 | 0.154 | 0.164 | 0.169 | 0.159 | 0.144 | 15.92 L | |
| 65) 4-Bromophenyl-pheny | 0.202 | 0.250 | 0.250 | 0.261 | 0.252 | 0.253 | 0.237 | 10.00 | |
| 66) Hexachlorobenzene | 0.251 | 0.283 | 0.281 | 0.281 | 0.286 | 0.284 | 0.271 | 6.40 | |
| 67) MC Pentachlorophenol | 0.073 | 0.173 | 0.170 | 0.187 | 0.177 | 0.184 | 0.151 | 27.69 L | |
| 68) Phenanthrene | 1.112 | 1.210 | 1.245 | 1.192 | 1.195 | 1.182 | 1.188 | 3.20 | |
| 69) Anthracene | 1.095 | 1.206 | 1.289 | 1.134 | 1.213 | 1.141 | 1.181 | 5.27 | |
| 70) Carbazole | 1.040 | 1.171 | 1.236 | 1.177 | 1.182 | 1.171 | 1.151 | 5.25 | |
| 71) Di-n-butylphthalate | 1.421 | 1.651 | 1.717 | 1.633 | 1.645 | 1.619 | 1.602 | 5.77 | |
| 72) C Fluoranthene | 1.050 | 1.200 | 1.242 | 1.189 | 1.219 | 1.185 | 1.170 | 5.44 | |
| 73) Benzidine | 0.175 | 0.647 | 0.637 | 0.646 | 0.668 | 0.658 | 0.523 | 37.56 L | |
| -----ISTD----- | | | | | | | | | |
| 74) I Chrysene-d12 | | | | | | | | | |
| 75) M Pyrene | 1.239 | 1.254 | 1.320 | 1.379 | 1.281 | 1.339 | 1.306 | 3.59 | |
| 76) S Terphenyl-d14 (SURR | 0.775 | 0.868 | 0.902 | 0.839 | 0.866 | 0.859 | 0.851 | 4.46 | |
| 77) Butylbenzylphthalat | 0.660 | 0.779 | 0.811 | 0.804 | 0.797 | 0.800 | 0.773 | 6.57 | |
| 78) 3,3'-Dichlorobenzid | 0.269 | 0.465 | 0.484 | 0.468 | 0.457 | 0.451 | 0.425 | 17.67 L | |
| 79) Benzo(a)anthracene | 1.108 | 1.266 | 1.308 | 1.319 | 1.271 | 1.304 | 1.249 | 6.08 | |
| 80) Chrysene | 1.058 | 1.122 | 1.172 | 1.109 | 1.127 | 1.101 | 1.119 | 3.24 | |
| 81) bis(2-Ethylhexyl)ph | 0.709 | 1.036 | 1.072 | 1.045 | 1.056 | 1.051 | 0.981 | 13.13 L | |
| -----ISTD----- | | | | | | | | | |
| 82) I Perylene-d12 | | | | | | | | | |
| 83) C Di-n-octylphthalate | 0.904 | 1.922 | 1.915 | 2.210 | 2.000 | 2.106 | 1.725 | 27.75 L | |
| 84) Benzo(b)fluoranthen | 0.779 | 1.737 | 1.591 | 1.995 | 1.853 | 1.924 | 1.475 | 33.80 L | |
| 85) Benzo(k)fluoranthen | 1.222 | 0.937 | 1.148 | 0.710 | 0.650 | 1.461 | 1.069 | 29.23 L | |
| 86) C Benzo(a)pyrene | 0.785 | 1.191 | 1.205 | 1.284 | 1.215 | 1.231 | 1.116 | 15.83 L | |
| 87) Indeno(1,2,3-Cd)Pyr | 0.919 | 1.438 | 1.458 | 1.306 | 1.054 | 1.231 | 1.235 | 19.36 L | |
| 88) Dibenzo(a,h)Anthrac | 0.720 | 1.168 | 1.185 | 1.049 | 0.847 | 1.231 | 0.994 | 20.51 L | |
| 89) Benzo(g,h,i)perylen | 0.868 | 1.180 | 1.185 | 1.114 | 0.958 | 1.231 | 1.061 | 13.33 L | |

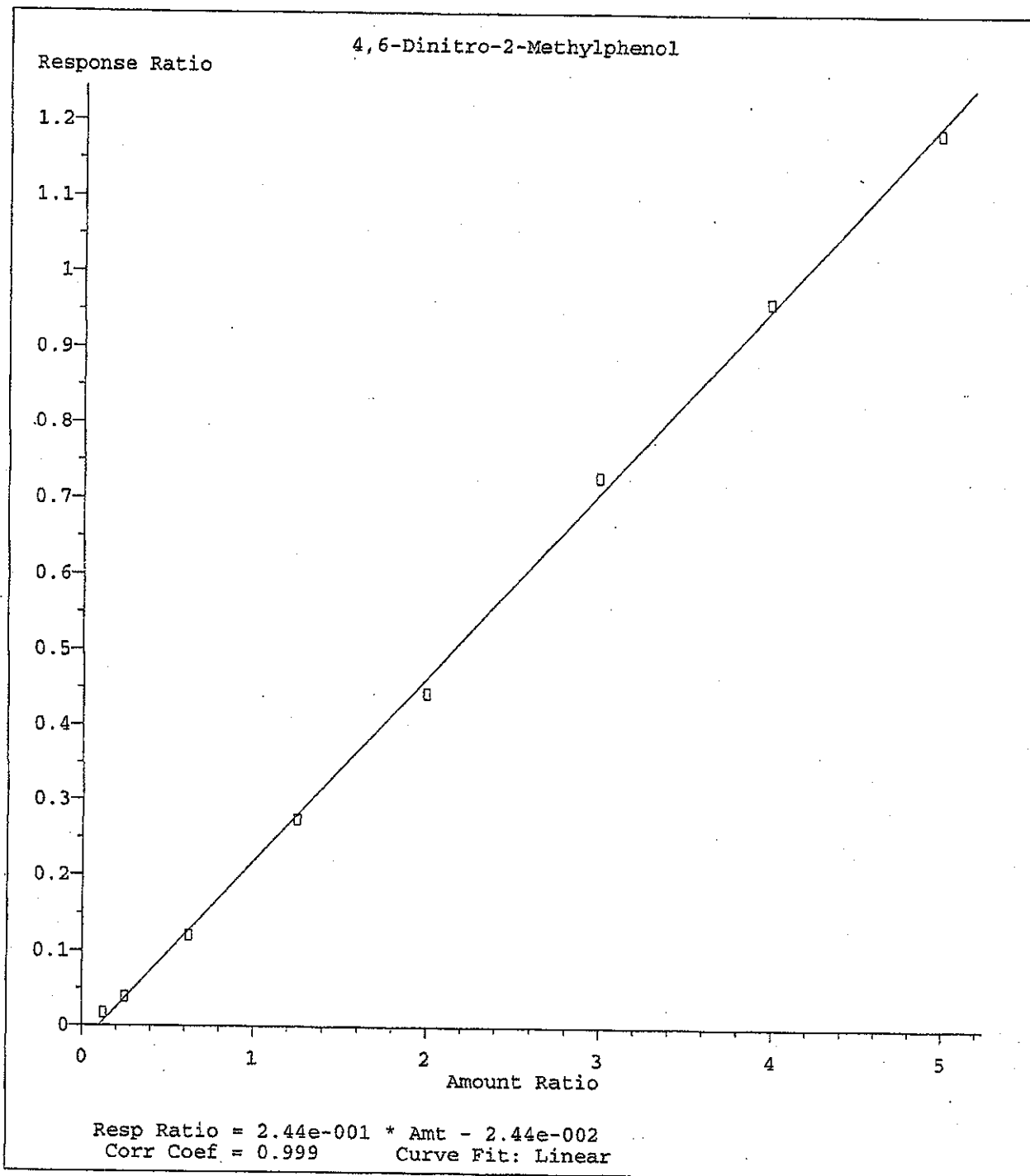
Q - 200
 L - 120, 160, 200
 L - 120, 160, 200



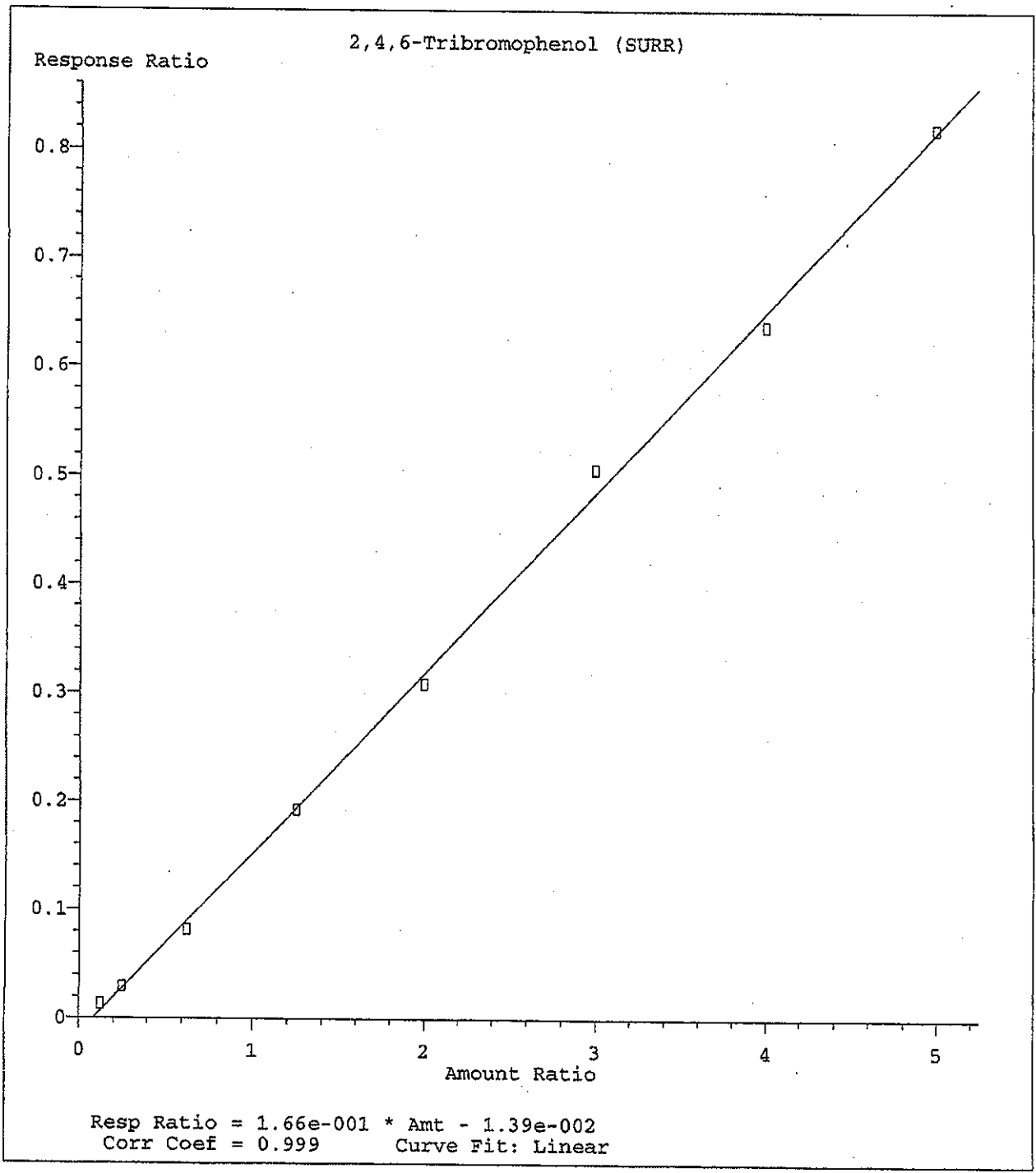
Method Name: C:\HPCHEM\1\METHODS\SV1NJ.M
Calibration Table Last Updated: Thu Aug 17 16:55:30 2006



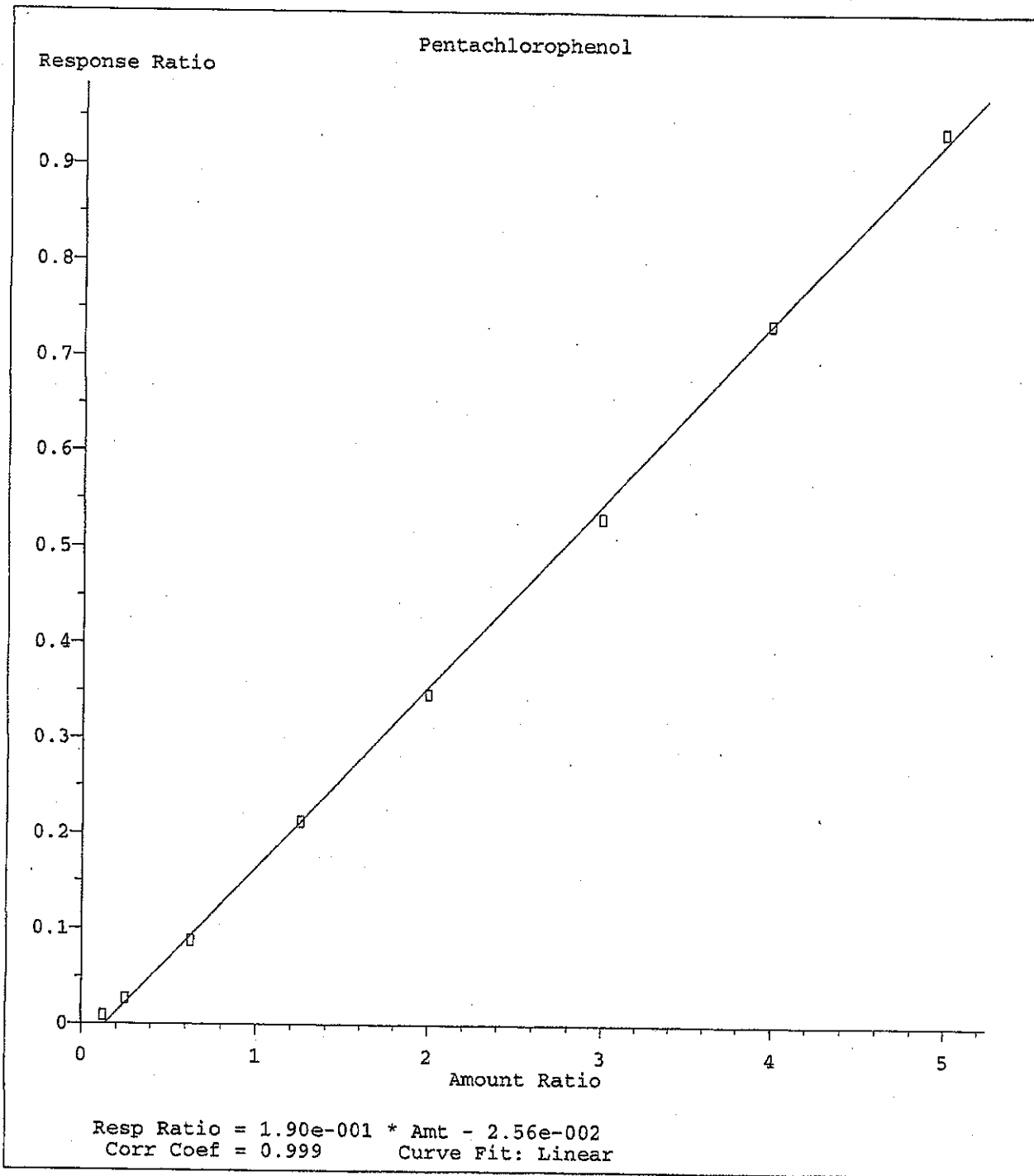
Method Name: C:\HPCHEM\1\METHODS\SV1NJ.M
Calibration Table Last Updated: Thu Aug 17 16:55:30 2006



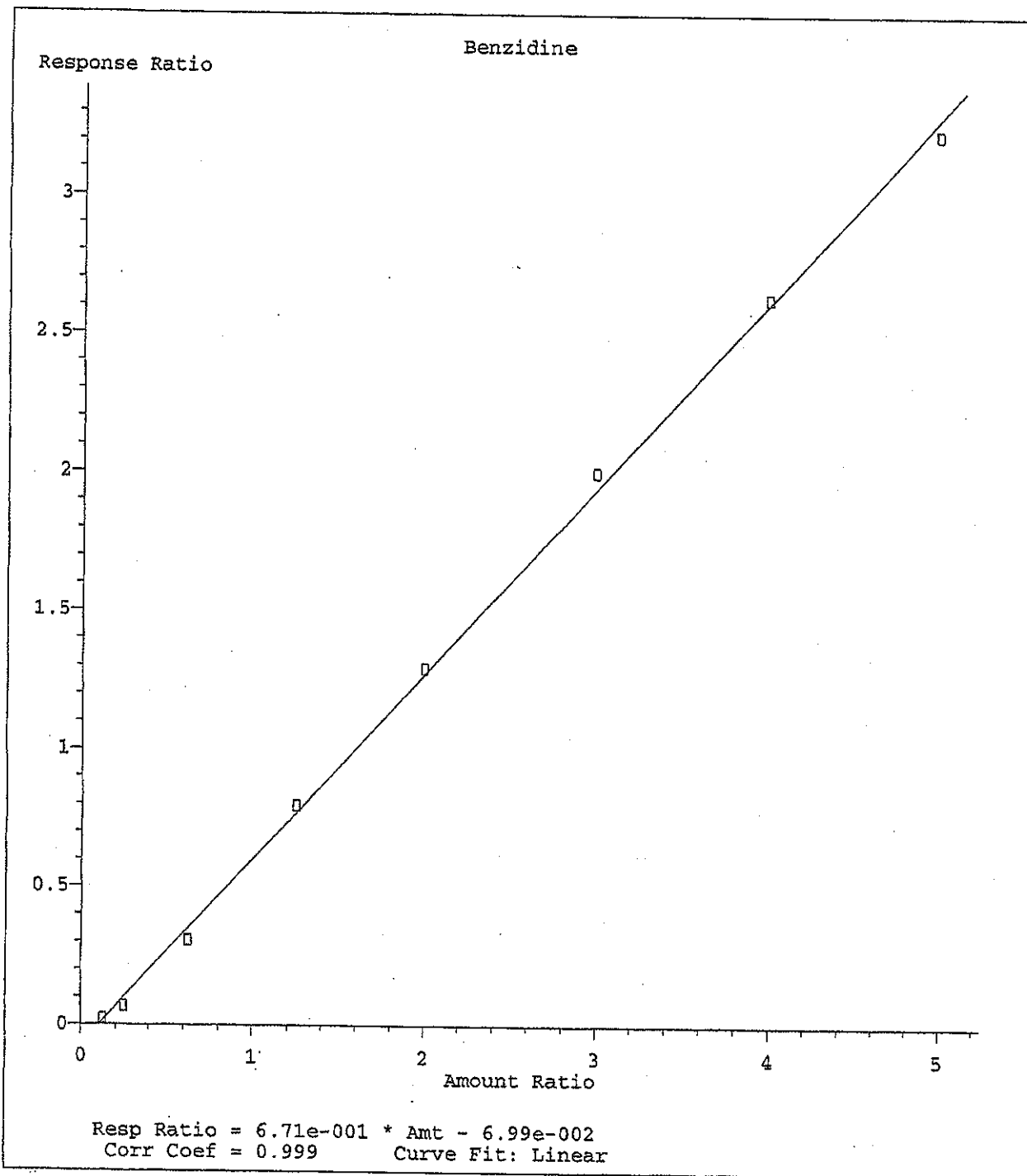
Method Name: C:\HPCHEM\1\METHODS\SV1NJ.M
Calibration Table Last Updated: Thu Aug 17 16:55:30 2006



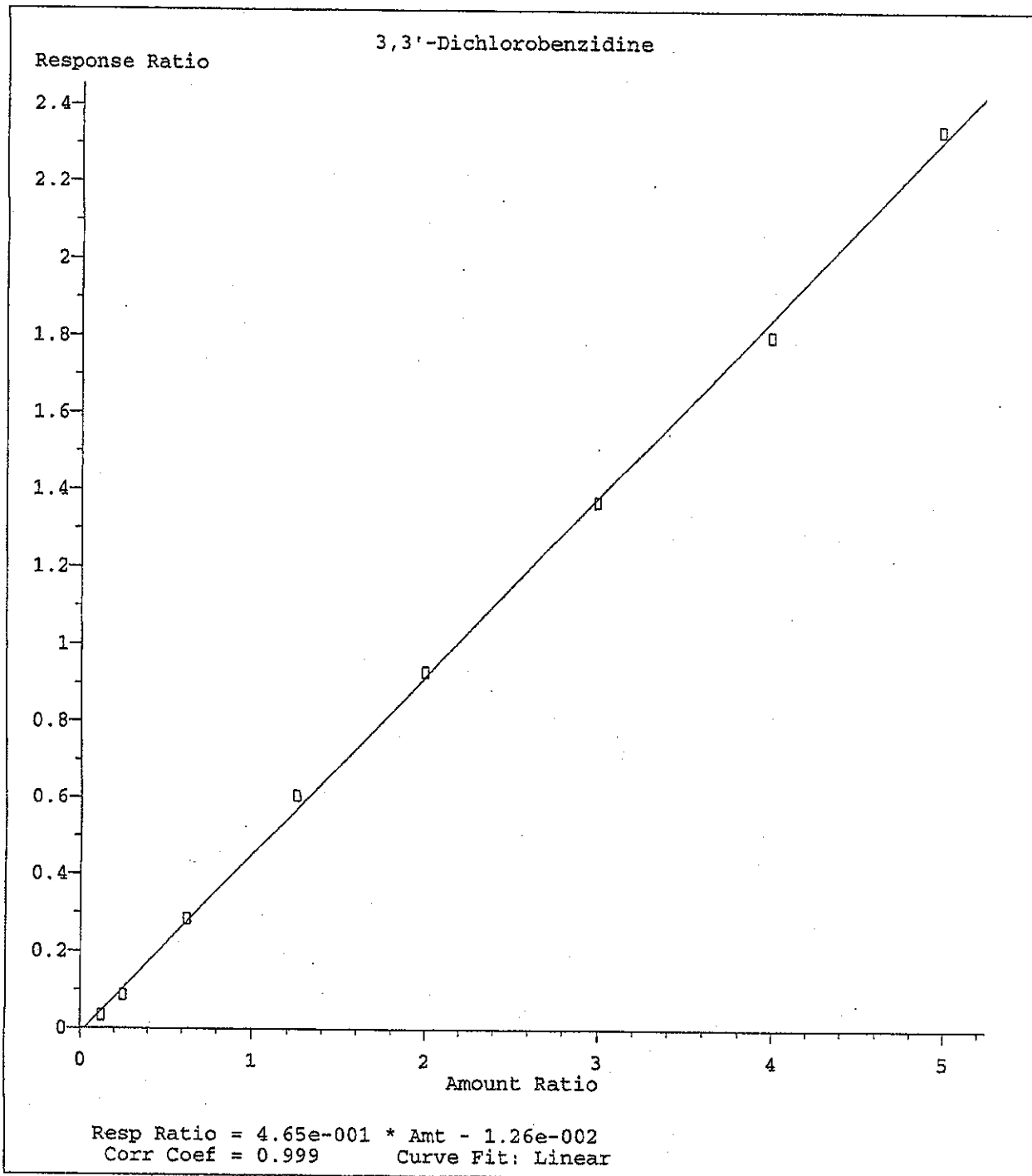
Method Name: C:\HPCHEM\1\METHODS\SV1NJ.M
Calibration Table Last Updated: Thu Aug 17 16:55:30 2006



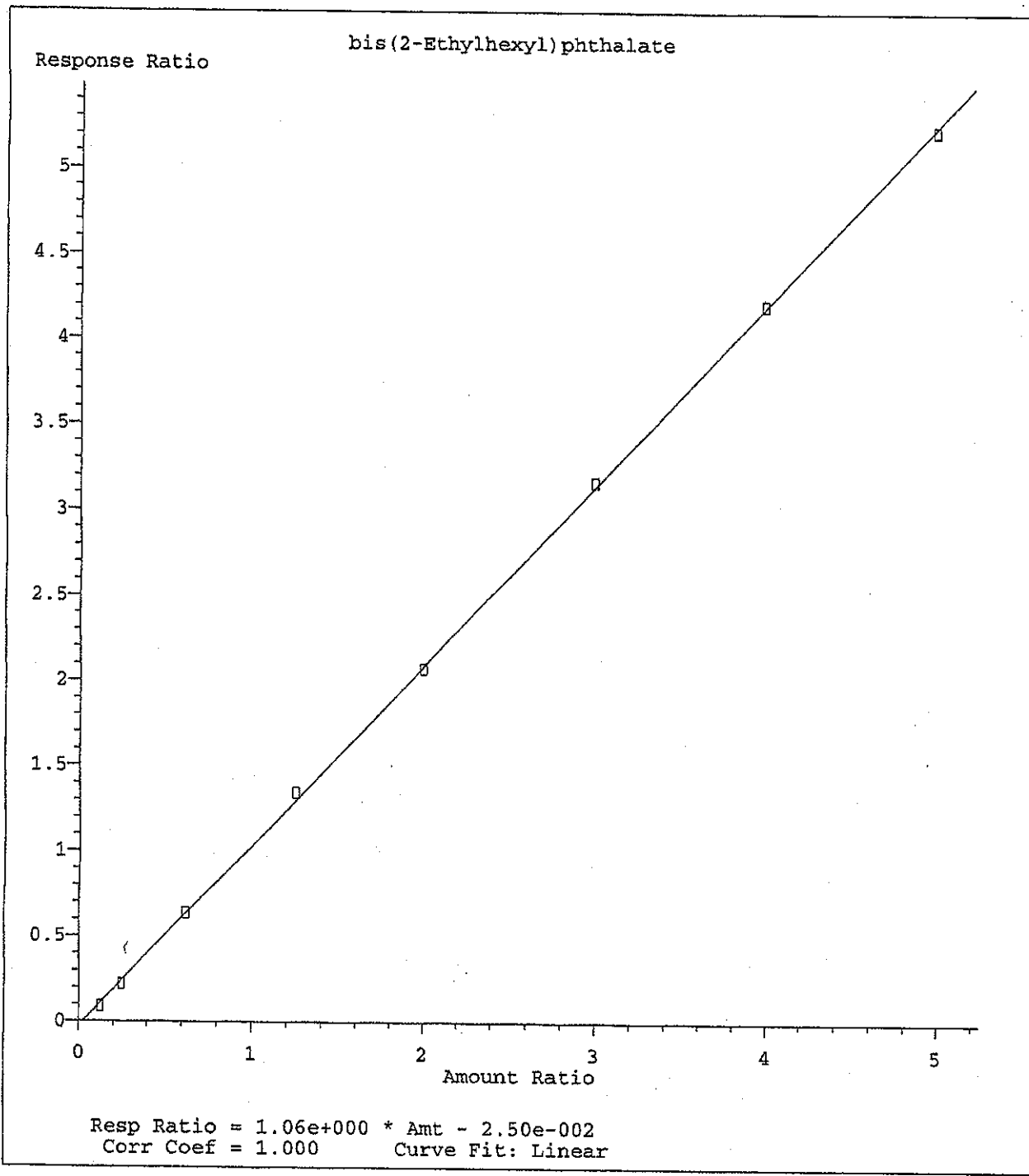
Method Name: C:\HPCHEM\1\METHODS\SV1NJ.M
Calibration Table Last Updated: Thu Aug 17 16:55:30 2006



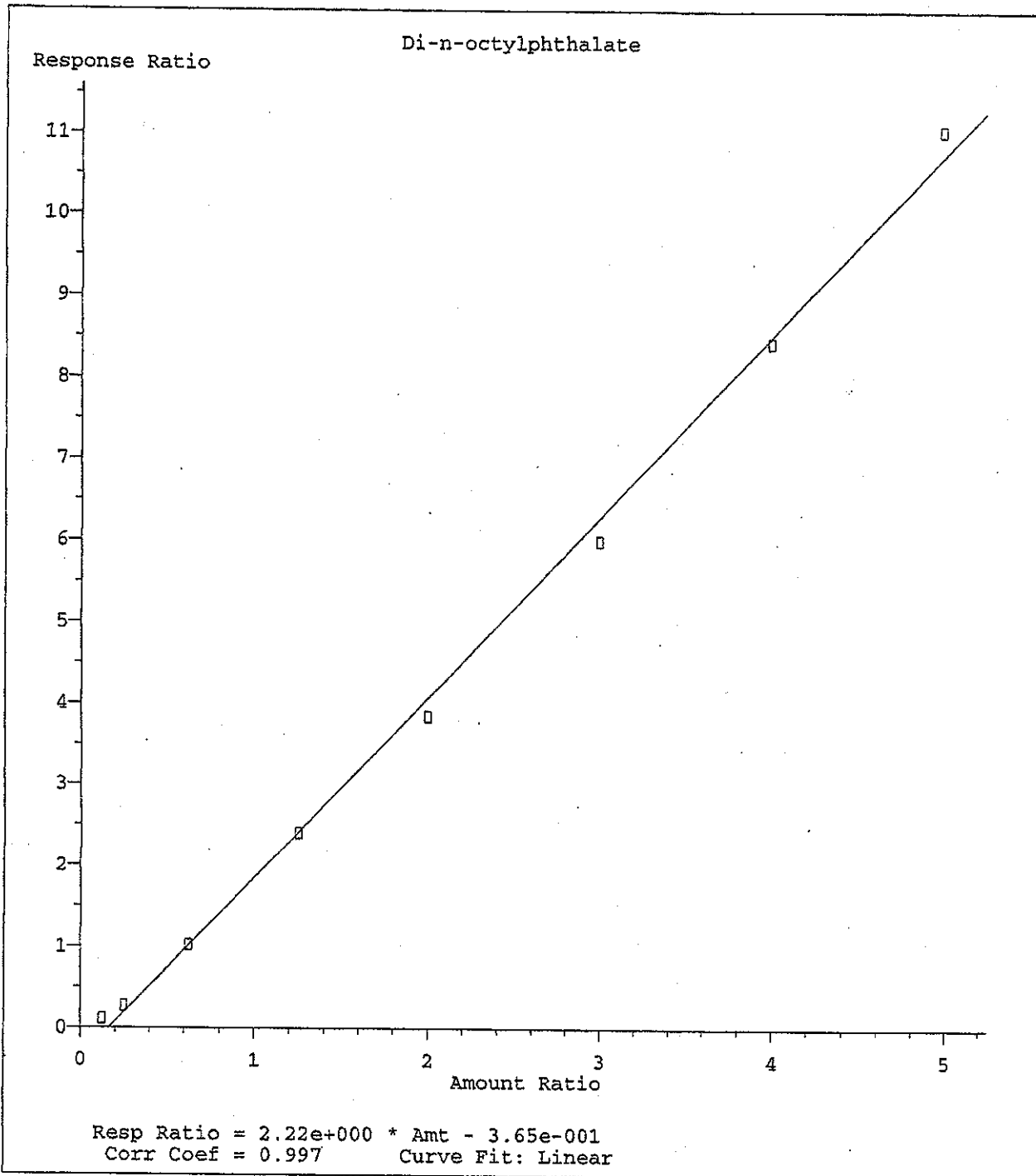
Method Name: C:\HPCHEM\1\METHODS\SV1NJ.M
Calibration Table Last Updated: Thu Aug 17 16:55:30 2006



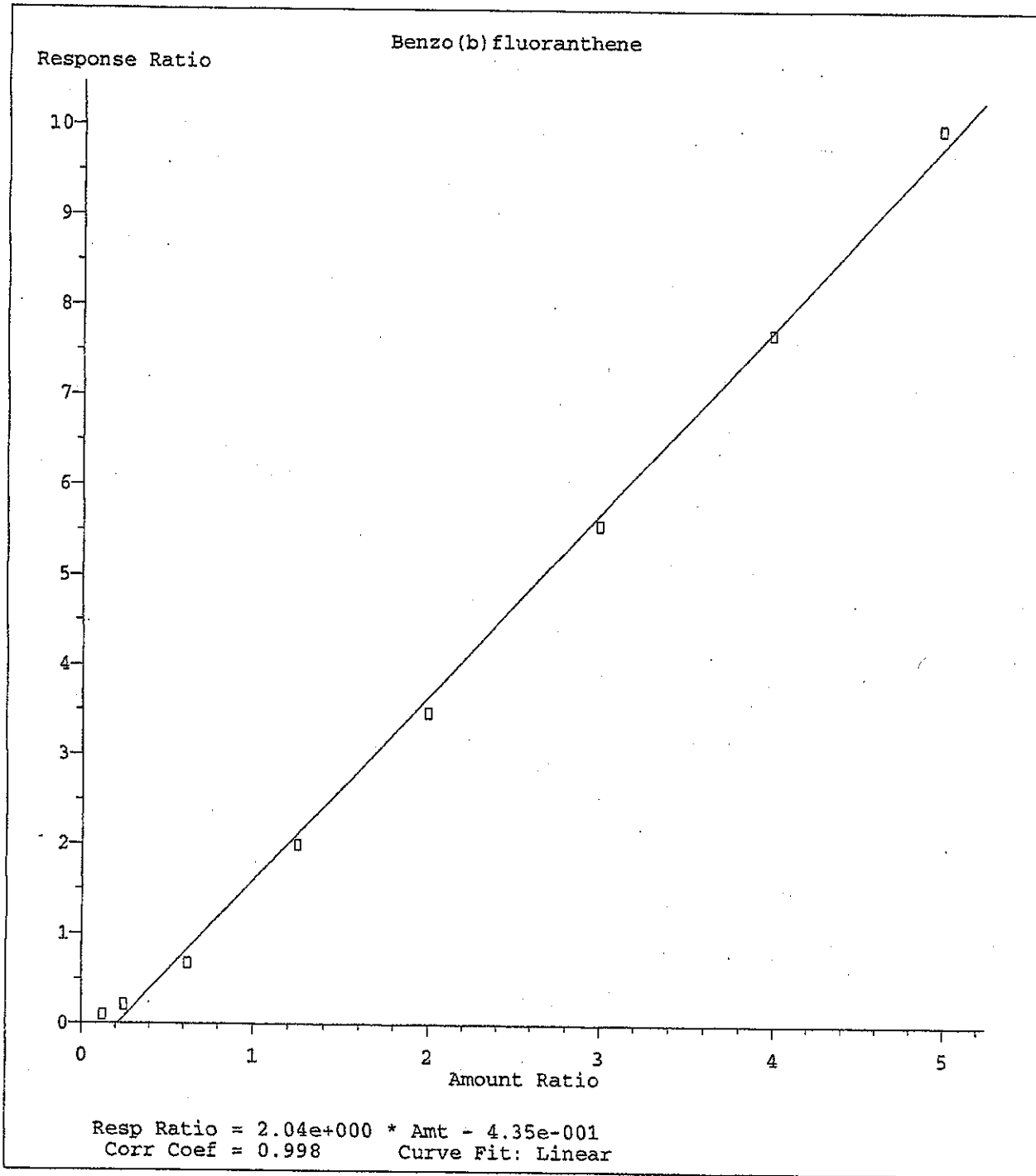
Method Name: C:\HPCHEM\1\METHODS\SV1NJ.M
Calibration Table Last Updated: Thu Aug 17 16:55:30 2006



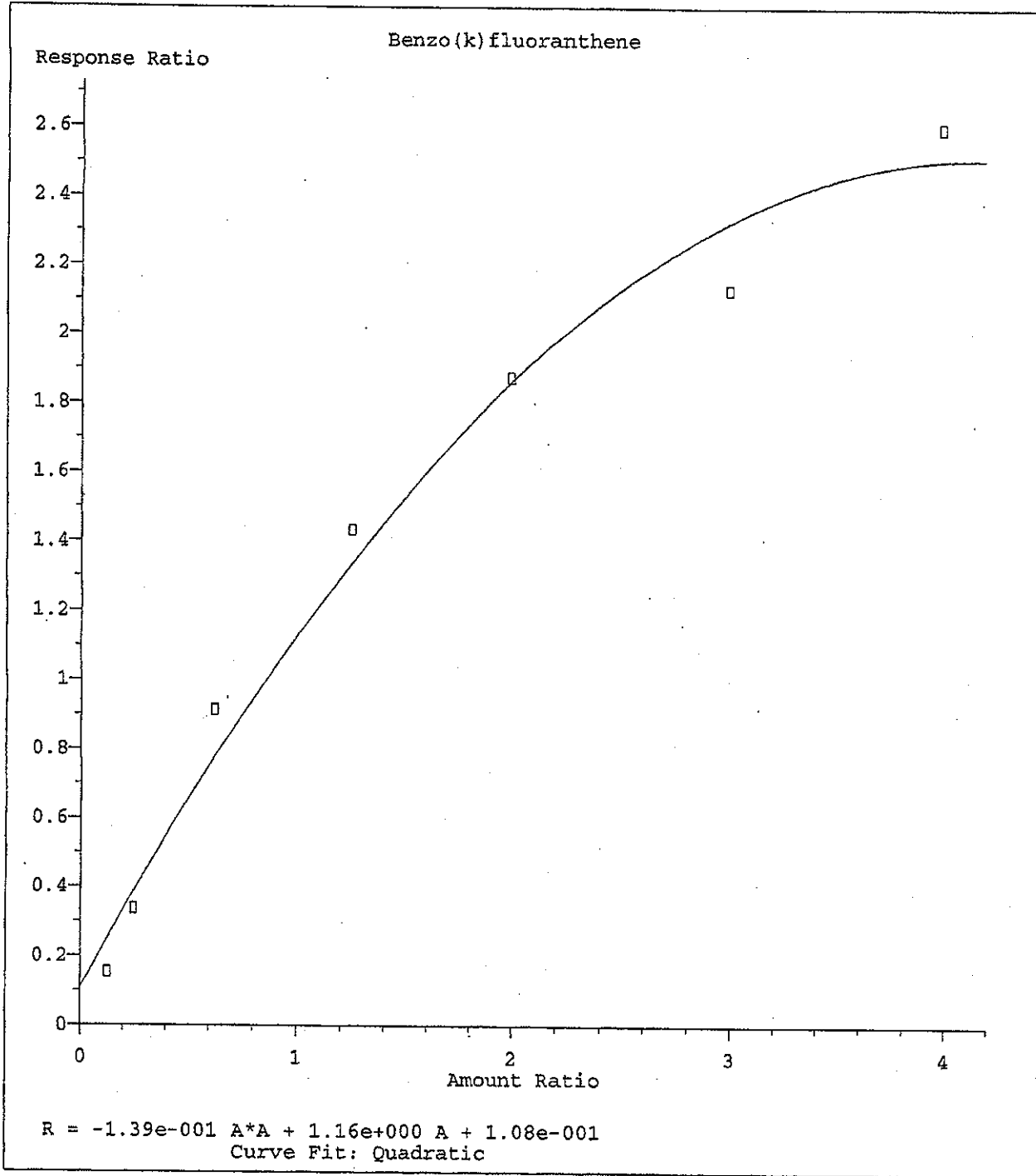
Method Name: C:\HPCHEM\1\METHODS\SV1NJ.M
Calibration Table Last Updated: Thu Aug 17 16:55:30 2006



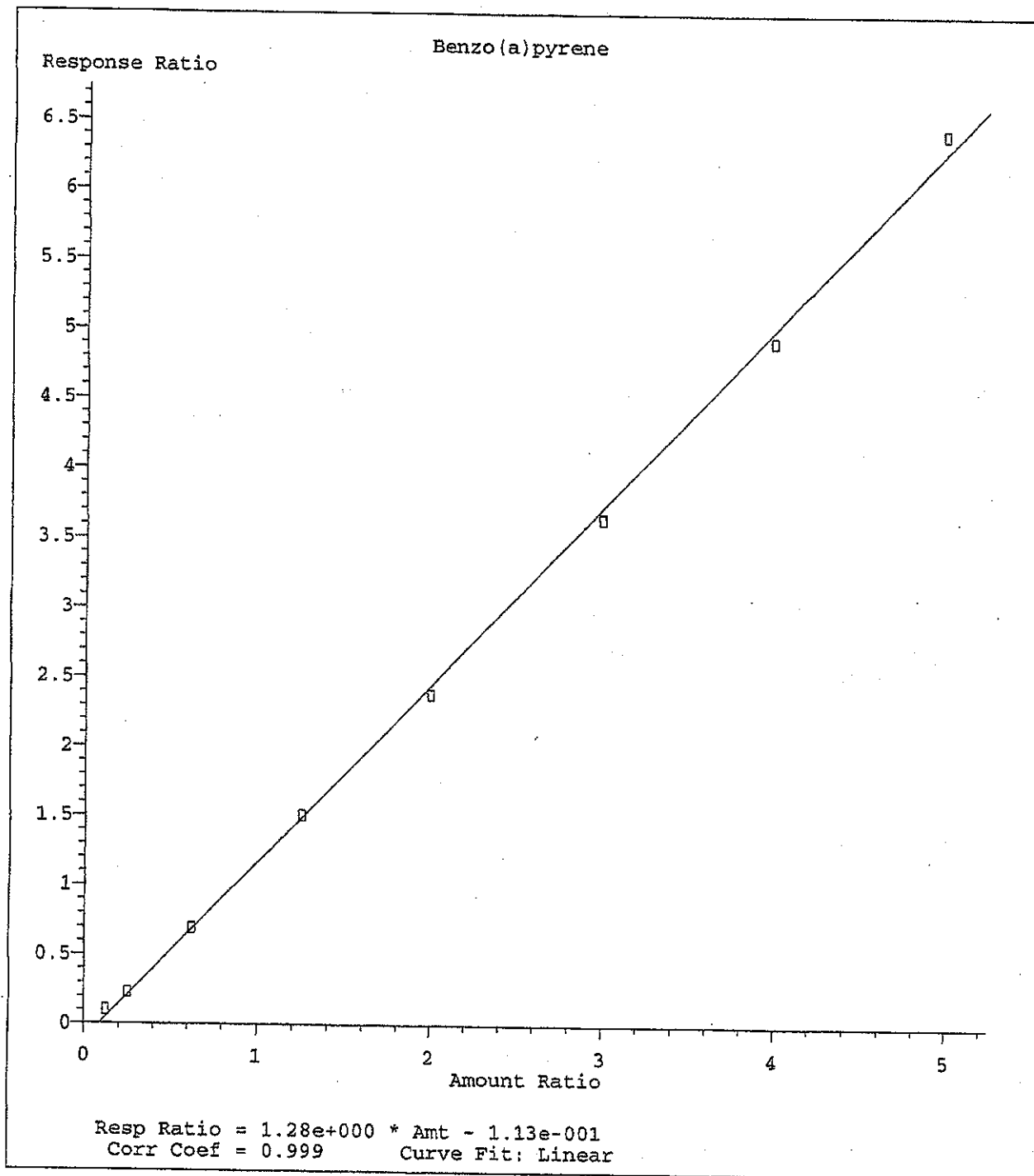
Method Name: C:\HPCHEM\1\METHODS\SV1NJ.M
Calibration Table Last Updated: Thu Aug 17 16:55:30 2006



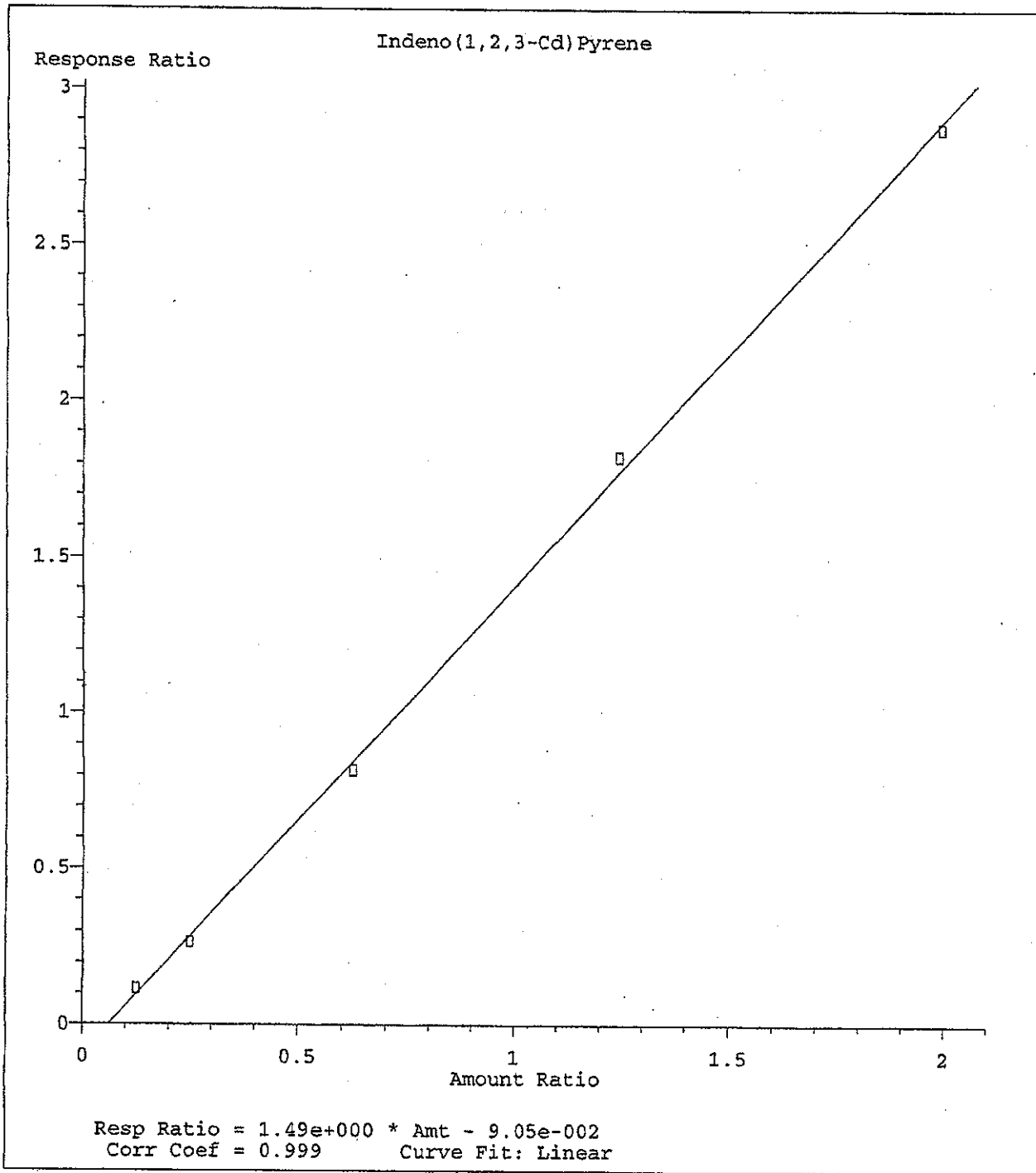
Method Name: C:\HPCHEM\1\METHODS\SV1NJ.M
Calibration Table Last Updated: Thu Aug 17 16:55:30 2006



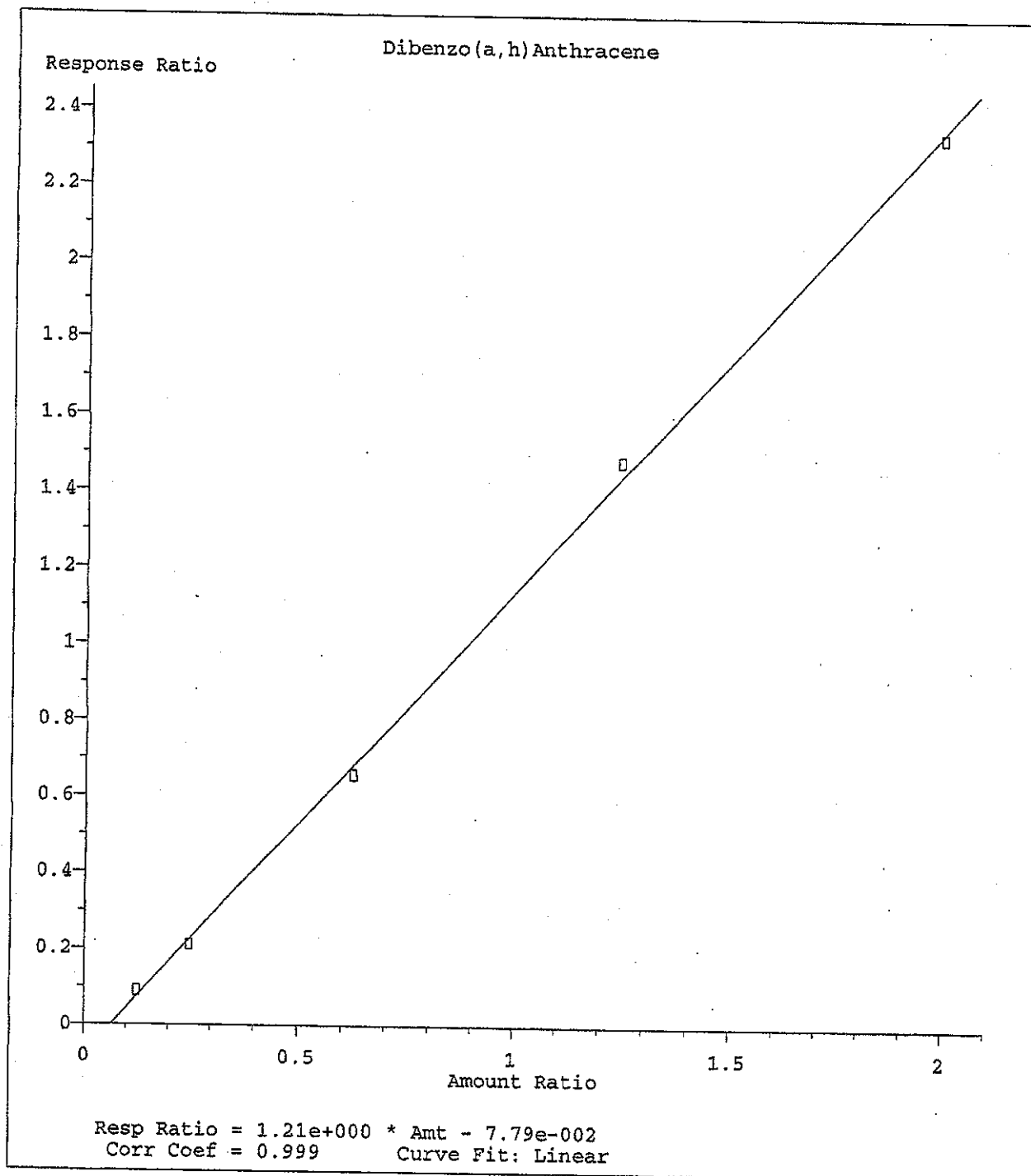
Method Name: C:\HPCHEM\1\METHODS\SV1NJ.M
Calibration Table Last Updated: Thu Aug 17 16:55:30 2006



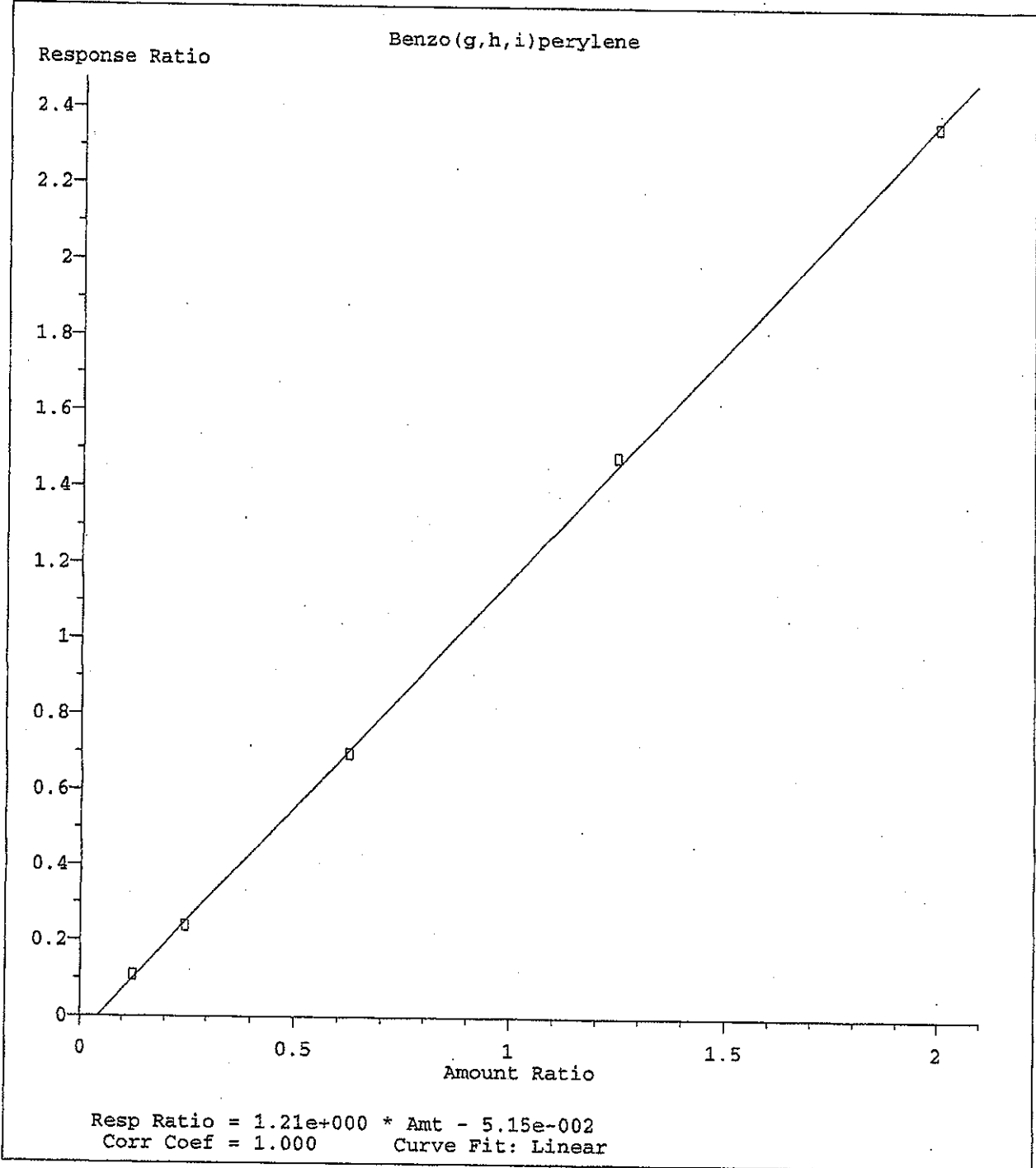
Method Name: C:\HPCHEM\1\METHODS\SV1NJ.M
Calibration Table Last Updated: Thu Aug 17 16:55:30 2006



Method Name: C:\HPCHEM\1\METHODS\SV1NJ.M
Calibration Table Last Updated: Thu Aug 17 16:55:30 2006



Method Name: C:\HPCHEM\1\METHODS\SV1NJ.M
Calibration Table Last Updated: Thu Aug 17 16:55:30 2006



Method Name: C:\HPCHEM\1\METHODS\SV1NJ.M
Calibration Table Last Updated: Thu Aug 17 16:55:30 2006

Semi-Volatile Organics Logbooks

PREPARATION BATCH SUMMARY

8270C

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

Batch: BH61402 Batch Matrix: Solid

Preparation: 3541

| SAMPLE NAME | LAB SAMPLE ID | LAB FILE ID | DATE PREPARED | OBSERVATIONS |
|-------------|---------------|-------------|----------------|--------------|
| SS-SI70 B1 | 0608248-09 | SV14127.D | 08/14/06 16:30 | Data Package |
| SS-SI77 B1 | 0608248-10 | SV14128.D | 08/14/06 16:30 | Data Package |
| Blank | BH61402-BLK1 | SV14110.D | 08/14/06 16:30 | |
| LCS | BH61402-BS1 | SV14111.D | 08/14/06 16:30 | |
| LCS Dup | BH61402-BSD1 | SV14112.D | 08/14/06 16:30 | |

**ESS LABORATORY
GCMS1 RUN LOG**

COLUMN DB5MS

| BATCH DATE | VIAL # | FILE # | LAB ID | METHOD | COMMENTS / DILUTION / STANDARD ID | ANALYST |
|------------|--------|-----------|---------------|--------|-----------------------------------|---------|
| 8/14/06 | 12 | SV1 41 13 | 0608235-02 | SVINJ | ✓ 6411043 | JLS |
| | 13 | SV1 14 | 0608240-04 | | ✓ | |
| | 14 | SV1 15 | 0608235-01 | | ✓ | |
| | 15 | SV1 16 | 0608228-01 | | ✓ | |
| | 16 | SV1 17 | 0608234-01 | | ✓ | |
| | 17 | SV1 18 | -01ms | | ✓ | |
| | 18 | SV1 19 | 0608240-01 | | ✓ RR 10X | |
| | 19 | SV1 20 | -06 | | ✓ | |
| | 20 | SV1 21 | -05 | | ✓ | |
| | 21 | SV1 22 | -02 | | RR Bad Int. | |
| | 22 | SV1 23 | 0608240-03 | | ✓ | |
| 8/14/06 | 23 | SV1 24 | 0608234-01msd | SVINJ | RR Bad Int. | JCS |
| 8/15/06 | 1 | SV1 25 | BPH0157- TUN1 | DETPP | ✓ 6409002 07:55 | JLS |
| | 2 | SV1 26 | BPH0157 CCV1 | SVINJ | ✓ 6410045 6411043 | JLS |
| | 3 | SV1 27 | 0608248-09 | | ✓ | |
| | 4 | SV1 28 | -10 | | ✓ | |
| | 5 | SV1 29 | 0608251-01 | | ✓ RR 4x | |
| | 6 | SV1 30 | -02 | | ✓ | |
| 8/15/06 | 7 | SV1 31 | -03 | SVINJ | ✓ | JCS |
| | 8 | SV1 32 | 0607347-37 | | ✓ | VSL |
| | 9 | SV1 33 | 0608229-04msd | | ✓ 2x | |
| | 10 | SV1 34 | 0608229-04msd | | ✓ 2x | |
| | 11 | SV1 35 | 0608229-05 | | ✓ 4x | |
| | 12 | SV1 36 | 0608229-03 | | ✓ 5x | |
| 8/15/06 | 13 | SV1 37 | 0608229-02 | SVINJ | ✓ | VSL |
| 8/16/06 | 1 | SV1 38 | BPH0168-TUN1 | DETPP | 6409002 10:05 | VSL |
| | 2 | SV1 39 | BPH0168-CCV1 | SVINJ | 6410045 | |
| | 3 | SV1 40 | 0608234-01msd | | 6411043 | |
| | 4 | SV1 41 | 0608240-02 | | | |
| 8/16/06 | 5 | SV1 42 | 0608240-01 | SVINJ | ✓ | VSL |

**ESS LABORATORY
GCMS1 RUN LOG**

COLUMN DB5MS

| BATCH DATE | VIAL # | FILE # | LAB ID | METHOD | COMMENTS / DILUTION / STANDARD ID | ANALYST |
|------------|--------|---------|--------------|--------|-----------------------------------|---------|
| 8/14/06 | 4 | SV1 80 | BH61125-B51 | SVINJ | ✓ 6111043 | JCS |
| | 5 | SV1 81 | -B5D1 | | ✓ | |
| | 6 | SV1 82 | 0608175-04 | | ✓ | |
| | 7 | SV1 83 | -05 | | ✓ | |
| | 8 | SV1 84 | -06 | | ✓ IS confirmation | |
| | 9 | SV1 85 | -08 | | ✓ IS failed (RP) | |
| | 10 | SV1 86 | 0608175-07 | | X2 | |
| | 11 | SV1 87 | 0608229-01 | | ✓ IS failed | |
| | 12 | SV1 88 | -01MS1 | | ✓ IS failed | |
| | 13 | SV1 89 | -01MSD1 | | ✓ IS failed | |
| | 14 | SV1 90 | -02 | | IS failed RR | |
| | 15 | SV1 91 | -03 | | RR 5X | |
| | 16 | SV1 92 | -04 | | ✓ IS failed | |
| | 17 | SV1 93 | -04MS1 | | ✓ IS failed RR 2x | |
| | 18 | SV1 94 | -04MSD | | ✓ IS failed RR 2x | |
| 8/14/06 | 19 | SV1 95 | 0608229-05 | SVINJ | RR 4X | JCS |
| 8/14/06 | 9 | SV1 96 | 0608175-08 | SVINJ | ✓ IS confirmation | JCS |
| 8/14/06 | 29 | SV1 100 | Solvent | | | JCS |
| | 29 | SV1 01 | Solvent | | | |
| | 1 | SV1 02 | BP40158-TU1 | DETPP | ✓ 19:47 (MSD) 6110002 BP40159 | |
| | 2 | SV1 03 | BP40158-CU1 | SVINJ | ✓ 6110045 6111043 | |
| | 3 | SV1 04 | BH61119-B1K1 | | ✓ | |
| | 4 | SV1 05 | -B51 | | ✓ | |
| | 5 | SV1 06 | -B5D1 | | ✓ | |
| | 6 | SV1 07 | 0608216-01 | | ✓ | |
| | 7 | SV1 08 | 0608165-01 | | ✓ | |
| | 8 | SV1 09 | 0608220-02 | | ✓ | |
| | 9 | SV1 10 | BH61402-B1K1 | | ✓ | |
| | 10 | SV1 11 | -B51 | | ✓ | |
| 8/14/06 | 11 | SV1 12 | -B5D1 | SVINJ | ✓ | JCS |

Control Number 60.0018-0602A

Page _____

ESS LABORATORY GCMS1 RUN LOG

COLUMN DB5MS

| BATCH DATE | VIAL # | FILE # | LAB ID | METHOD | COMMENTS / DILUTION / STANDARD ID | ANALYST |
|------------|--------|--------|----------------|--------|-----------------------------------|---------|
| 8/14/06 | 12 | SV1 41 | 13 0608235-02 | SVINJ | ✓ 6H11043 | JCS |
| | 13 | SV1 14 | 0608240-04 | | ✓ | |
| | 14 | SV1 15 | 0608235-01 | | ✓ | |
| | 15 | SV1 16 | 0608228-01 | | ✓ | |
| | 16 | SV1 17 | 0608234-01 | | ✓ | |
| | 17 | SV1 18 | -01ms | | ✓ | |
| | 18 | SV1 19 | 0608240-01 | | ✓ RR 10X | |
| | 19 | SV1 20 | -06 | | ✓ | |
| | 20 | SV1 21 | -05 | | ✓ | |
| | 21 | SV1 22 | -02 | | RR Bad Int. | |
| | 22 | SV1 23 | 0608240-03 | | ✓ | |
| 8/14/06 | 23 | SV1 24 | 0608234-01msd | SVINJ | RR Bad Int | JCS |
| 8/15/06 | 1 | SV1 25 | BPH0157-TUN1 | DETOP: | ✓ 6H09002 07/15 | JCS |
| | 2 | SV1 26 | BPH0157 CUV1 | SVINJ | ✓ 10H 10045 6H1045 | JCS |
| | 3 | SV1 27 | 0608248-09 | | ✓ | |
| | 4 | SV1 28 | -10 | | ✓ | |
| | 5 | SV1 29 | 0608251-01 | | ✓ RR 4X | |
| | 6 | SV1 30 | -02 | | ✓ | |
| 8/15/06 | 7 | SV1 31 | -03 | SVINJ | ✓ | JCS |
| | 8 | SV1 32 | 0607347-37 | | ✓ | VSL |
| | 9 | SV1 33 | 0608229-04ms1 | | ✓ 2X | |
| | 10 | SV1 34 | 0608229-04msd1 | | ✓ 2X | |
| | 11 | SV1 35 | 0608229-05 | | ✓ 4X | |
| | 12 | SV1 36 | 0608229-03 | | ✓ 5X | |
| 8/15/06 | 13 | SV1 37 | 0608229-02 | SVINJ | ✓ | VSL |
| 8/16/06 | 1 | SV1 38 | BPH0168-TUN1 | DETOP | 6H09002 10/05 | VSL |
| | 2 | SV1 39 | BPH0168-CUV1 | SVINJ | 6H10045 | |
| | 3 | SV1 40 | 0608234-01msd | | 6H11043 | |
| | 4 | SV1 41 | 0608240-02 | | | |
| 8/16/06 | 5 | SV1 42 | 0608240-01 | SVINJ | | VSL |

ESS LABORATORY GCMS1 RUN LOG

COLUMN DB5MS

| BATCH DATE | VIAL # | FILE # | LAB ID | METHOD | COMMENTS / DILUTION / STANDARD ID | ANALYST |
|------------|--------|-----------|-----------------|--------|-----------------------------------|---------|
| 8/2/06 | 20 | SV1 40334 | 0607347-36 | SVINT | | M |
| 8/2/06 | 21 | SV1 35 | -37 | SVINT | | M |
| 8/5/06 | 1 | SV1 40336 | -TUN1 | DFTPP | | M |
| | 2 | SV1 37 | -CV1 | SVINT | | |
| | 1 | SV1 38 | BPH0116 AB TUN1 | DFTPP | 6140663 500 0.7-0.117-2m | |
| | 2 | SV1 39 | -LA1 | SVINT | 6140506 | |
| | 3 | SV1 40 | -LA2 | | 87 0608030 AD | |
| | 4 | SV1 41 | -LA3 | | 88 0608031 AD | |
| | 5 | SV1 42 | -LA4 | | 89 | |
| | 6 | SV1 73 | -LA5 | | 90 | |
| | 7 | SV1 74 | -LA6 | | 91 | |
| | 8 | SV1 75 | -LA7 | | 92 | |
| | 9 | SV1 76 | -LA8 | | 93 | |
| 8/2/06 | 10 | SV1 47 | BPH0116 -SLV1 | SVINT | 61405094 | M |
| 8/10/06 | 1 | SV1 48 | BPH0116 -TUN1 | DFTPP | CH09002 | JLS |
| | 2 | SV1 49 | -CV1 | SVINT | 6140045 | |
| | 3 | SV1 50 | 0607246-01 | | | |
| | 4 | SV1 51 | -01ms | | | |
| 8/10/06 | 5 | SV1 52 | -01msD | SVINT | | JLS |
| 8/11/06 | 1 | SV1 53 | BPH0142 - TUN1 | DFTPP | 61409002 ✓ (soil) BPH0143 | JLS |
| | 2 | SV1 54 | BPH0142 - CV1 | SVINT | 6140045 ✓ | |
| | 3 | SV1 55 | BH 61006 - B1K1 | | ✓ | |
| | 4 | SV1 56 | BH00430 - B1K1 | | ✓ | |
| | 5 | SV1 57 | BH60917 - B31 | | ✓ | |
| | 6 | SV1 58 | -B301 | | ✓ | |
| | 7 | SV1 59 | 0608049-01 | | ✓ IS failure confirmation | |
| | 8 | SV1 60 | 0608065-02 | | ✓ surr failure IS confirmation | |
| | 9 | SV1 61 | B1461006 - B31 | | ✓ | |
| | 10 | SV1 62 | -B301 | | ✓ | |
| 8/11/06 | 11 | SV1 40363 | B1460941 - B1M | SVINT | ✓ | JLS |

Control Number 60.0018-0602A

Page _____

ESS Organic Preparation Logbook

Project #: 0608248, 0608251
 0608235, 0608240
 Surrogate ID# 0608228, 0608234
 Prep Date: 8/14/06
 Batch ID: 0608234-01
 Extraction Method: 3541

Split Extraction*
 * Half of the final extract volume (0.5ml) is exchanged into 5ml
 5ml hexane and transferred as Vol 1. The other half (0.5ml)
 CH₂Cl₂ is transferred as Volume 2.

Matrix Spike ID# Analytical Matrix: SPIC
 Extraction Time: Start: 6:30 AM Finish: NA
 Surrogate ID# D 0608234
 E 0608234
 F NA

| ESS ID | Vol(ml)/ Wt.(g) | Surrogate (ul or ml) | Matrix Spike (ul or ml) | Extract Vol (ml) Hex/CH ₂ Cl ₂ | Transfer Vol #1 (ml) Hex/CH ₂ Cl ₂ | Transfer Vol #2 (ml) Hex/CH ₂ Cl ₂ | Transfer Date | Bath Temp (C) | pH | Discard bottle # | Comments | 1st Rvw Init. | Witness Init. | 2nd Rvw Init. | Analysis Performed |
|------------|--------------------|-------------------------|-------------------------------|--|--|--|---------------|------------------|----|---------------------|----------|------------------|------------------|------------------|---|
| SX061402B | 20.0 | 1 | NA | 1 | 1 | NA | 8/14/06 | 40C | NA | NA | | | | | PCB <input type="checkbox"/> B/N SVOA <input type="checkbox"/> SVOA <input checked="" type="checkbox"/> LL PAH <input checked="" type="checkbox"/> PEST <input type="checkbox"/> TPH/GC <input type="checkbox"/> BIS-2 <input type="checkbox"/> PAH <input type="checkbox"/> |
| SX061402BS | 20.0 | 1 | 1 | 1 | 1 | NA | | | | | | | | | |
| SX061402BP | 20.0 | 1 | 1 | 1 | 1 | NA | | | | | | | | | |
| 0608228-01 | 19.9 | 1 | NA | 1 | 1 | NA | | | | | | | | | |
| 0608234-01 | 19.8 | 1 | NA | 1 | 1 | NA | | | | | | | | | |
| 01MS | 20.0 | 1 | 1 | 1 | 1 | NA | | | | | | | | | |
| 01MSD | 20.0 | 1 | 1 | 1 | 1 | NA | | | | | | | | | |
| 0608235-01 | 19.9 | 1 | NA | 1 | 1 | NA | | | | | | | | | |
| 0608240-01 | 20.0 | 1 | 1 | 1 | 1 | NA | | | | | | | | | |
| 02 | 19.9 | 1 | 1 | 1 | 1 | NA | | | | | | | | | |
| 03 | 19.8 | 1 | 1 | 1 | 1 | NA | | | | | | | | | |
| 04 | 20.5 | 1 | 1 | 1 | 1 | NA | | | | | | | | | |
| 05 | 20.0 | 1 | 1 | 1 | 1 | NA | | | | | | | | | |
| 06 | 20.3 | 1 | NA | 1 | 1 | NA | 8/14/06 | 40C | NA | NA | | | | | |
| 0608248-01 | 20.1 | 1 | 1 | 1 | 1 | NA | | | | | | | | | |
| 70 | 19.8 | 1 | NA | 1 | 1 | NA | 8/14/06 | 40 | NA | NA | | | | | |
| 0608251-01 | 21.0 | 1 | 1 | 1 | 1 | NA | | | | | | | | | |
| 72 | 20.2 | 1 | 1 | 1 | 1 | NA | | | | | | | | | |
| 73 | 19.6 | 1 | NA | 1 | 1 | NA | 8/14/06 | 40 | NA | NA | | | | | |

Acid Washed: Y/N NA Florisil: Y/N NA Silica Column/Carbon prep: Y/N NA
 H₂SO₄ ID# NA Lot# NA Lot # NA
 Prepared By: SPIC Glasswool: PT0228066 Method #(s): 8270
 CH₂Cl₂ lot # CP 939 NaOH ID# NA
 Hexane lot# NA Na₂SO₄ ID# PT0228066
 Acetone lot# NA BATCH ID/Test: NA

HOLDING TIME SUMMARY

8270C

Laboratory: ESS Laboratory

SDG: 0608248

Client: MACTEC Engineering & Consulting, Inc.

Project: Providence Gorham Site

| Sample Name | Date Collected | Date Received | Date Prepared | Days to Prep | Max Days to Prep | Date Analyzed | Days to Analysis | Max Days to Analysis | Q |
|-------------|-------------------|-------------------|-------------------|--------------|------------------|-------------------|------------------|----------------------|---|
| SS-SI70 B1 | 08/14/06 13:30 | 08/14/06 14:15 | 08/14/06 16:30 | 0.13 | 14.00 | 08/15/06 08:50 | 0.68 | 40.00 | |
| SS-SI77 B1 | 08/14/06 13:40 | 08/14/06 14:15 | 08/14/06 16:30 | 0.12 | 14.00 | 08/15/06 09:20 | 0.70 | 40.00 | |

Wet Chemistry Data Package

ESS LABORATORY Percent Solids Logbook

| Date/ Time | Lab ID | Pan WT. (g) | Wet WT. (g) | Dry WT. (g) | Percent Solid | Wet wt. Init. | Dry wt./1st Rvw Init. | 2nd Rvw Init. |
|---------------|-------------------------------------|----------------|----------------|----------------|------------------|------------------|-----------------------------|---------------------|
| 8/11/06 | 0608214-03 | 1.3 | 11.3 | 10.1 | 88 | Know | EM | MSP |
| | 04 | 1.3 | 11.3 | 10.0 | 87 | | | |
| | 05 | 1.3 | 11.3 | 10.3 | 90 | | | |
| 8/11/06 | 06 | 1.3 | 11.3 | 10.5 | 92 | Know | EM | |
| 8/12/06 | Blank/LBH61412 | 1.2 | 1.2 | 1.2 | 100 | EM | Know | |
| | 0608150-01 | 1.2 | 11.2 | 8.1 | 69 | | | |
| | 0608228-01 | 1.2 | 11.2 | 10.4 | 92 | | | |
| | -01 Dup | 1.2 | 11.2 | 10.5 | 93 | | | |
| | 0608233-01 | 1.2 | 11.2 | 9.5 | 83 | | | |
| | 0608234-01 | 1.2 | 11.2 | 10.9 | 97 | | | |
| | 0608235-01 | 1.2 | 11.2 | 10.6 | 94 | | | |
| | -02 | 1.3 | 11.3 | 10.5 | 92 | | | |
| | 0608246-01 | 1.3 | 11.3 | 10.6 | 93 | | | |
| | -02 | 1.3 | 11.3 | 11.1 | 98 | | | |
| | -03 | 1.3 | 11.3 | 10.7 | 94 | | | |
| | -04 | 1.3 | 11.3 | 10.6 | 93 | | | |
| | -05 | 1.3 | 11.3 | 11.0 | 97 | | | |
| 8/12/06 | -06 | 1.2 | 11.2 | 10.5 | 93 | EM | Know | MSP |
| 8/14/06 | Blank BH61510 0608248 | 1.3 | 1.3 | 1.3 | 100 | SPD | | |
| | 0608248-02 | 1.3 | 11.3 | 10.7 | 94 | | | |
| | -03 | 1.3 | 11.3 | 10.2 | 89 | | | |
| | -04 | 1.3 | 11.3 | 10.4 | 91 | | | |
| 8/14/06 | -05 | 1.3 | 11.3 | 10.3 | 90 | SPD | Know | MSP |

Criteria: Dup RPD ≤ 20%

* SPD 8/14/06

Control #50.0006-0602A

Page _____

(1)

(CU)

MSP

ESS LABORATORY Percent Solids Logbook

| Date/ Time | Lab ID | Pan WT. (g) | Wet WT. (g) | Dry WT. (g) | Percent Solid | Wet wt. Init. | Dry wt./1st Rvw/Init. | 2nd Rvw init. |
|---------------|------------|----------------|----------------|----------------|------------------|------------------|-----------------------------|---------------------|
| 8/14/06 | 0608248-06 | 1.3 | 11.3 | 10.5 | 92 | SPD | AMW | MSP |
| | -07 | 1.3 | 11.3 | 10.9 | 96 | | | |
| | -08 | 1.3 | 11.3 | 3.5 | 22 | | | |
| | -09 | 1.3 | 11.3 | 10.6 | 93 | | | |
| | -09 Dup | 1.3 | 11.3 | 10.7 | 94 | | | |
| | -10 | 1.3 | 11.3 | 10.7 | 94 | | | |
| | -11 | 1.3 | 11.3 | 11.2 | 99 | | | |
| 8/14/06 | -01 | 1.3 | 11.3 | 7.7 | 64 | SPD | | |
| | 0608251-01 | 1.3 | 11.3 | 9.9 | 86 | | | |
| | -02 | 1.3 | 11.3 | 9.6 | 83 | | | |
| 8/14/06 | -03 | 1.3 | 11.3 | 9.9 | 86 | SPD | AMW | MSP |
| | | | | | | | | |
| | | | | | | | | |
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Criteria: Dup RPD ≤ 20%

Control #50.0006-0602A

Page _____

Sample and Cooler Receipt Checklist

Client: Mactec
 Client Project ID: _____
 Shipped/Delivered Via: Client

ESS Project ID: 06080248
 Date Project Due: 8/15/06
 Days For Project: 1 Day

Items to be checked upon receipt:

- 1. Air Bill Manifest Present? * No
- Air No.: _____
- 2. Were Custody Seals Present? No
- 3. Were Custody Seals Intact? N/A
- 4. Is Radiation count < 100 CPM? Yes
- 5. Is a cooler present? * No
- Cooler Temp: N/A
- Iced With: None
- 6. Was COC included with samples? Yes
- 7. Was COC signed and dated by client? Yes
- 8. Does the COC match the sample Yes
- 9. Is COC complete and correct? Yes
- 10. Are the samples properly preserved? Yes
- 11. Proper sample containers used? Yes
- 12. Any air bubbles in the VOA vials? N/A
- 13. Holding times exceeded? No
- 14. Sufficient sample volumes? Yes
- 15. Any Subcontracting needed? No
- 16. Are ESS labels on correct containers? Yes No
- 17. Were samples received intact? Yes No
- ESS Sample IDs: _____
- Sub Lab: _____
- Analysis: _____
- TAT: _____

18. Was there need to call project manager to discuss status? If yes, please explain.

Who was called?: _____ By whom? _____

| Sample Number | Properly Preserved | Container Type | # of Containers | Preservative |
|---------------|--------------------|----------------|-----------------|--------------|
| 1 | Yes | 8 oz Soil Jar | 1 | NP |
| 2 | Yes | 8 oz Soil Jar | 1 | NP |
| 3 | Yes | 8 oz Soil Jar | 1 | NP |
| 4 | Yes | 8 oz Soil Jar | 1 | NP |
| 5 | Yes | 8 oz Soil Jar | 1 | NP |
| 6 | Yes | 8 oz Soil Jar | 1 | NP |
| 7 | Yes | 8 oz Soil Jar | 1 | NP |
| 8 | Yes | 8 oz Soil Jar | 1 | NP |
| 9 | Yes | 8 oz Soil Jar | 1 | NP |
| 10 | Yes | 8 oz Soil Jar | 1 | NP |
| 11 | Yes | 40 ml - VOA | 1 | MeOH |
| 11 | Yes | 8 oz Soil Jar | 1 | NP |

Completed By: Zo Date/Time: 8/14/06
 Reviewed By: ED Date/Time: 8/14/06

CHAIN OF CUSTODY

Turn Time Standard Other ZYKX Reporting Limits _____ ESS LAB PROJECT ID _____
 If faster than 5 days, prior approval by laboratory is required # _____
 State where samples were collected from: _____
 MA RI CT NH NJ NY ME Other _____
 MA-MCP Navy USACE Other _____
 Electronic Deliverable Yes No
 Format: Excel Access PDF Other _____

Project Name (20 Char. or less) _____
 Project # _____
 Address _____
 City _____ State _____ Zip _____ PO# _____
 Telephone # _____ Fax # _____
 Email Address _____
 Sample Identification (20 Char. or less) _____
 Pres Code _____

| ESS LAB Sample# | Date | Collection Time | COMP | GRAB | MATRIX | Sample Identification (20 Char. or less) | Pres Code | Number of Containers | Type of Containers | Circle and/or Write Required Analysis |
|-----------------|---------|-----------------|------|------|--------|--|-----------|----------------------|--------------------|---|
| 1 | 8/14/06 | 1135 | X | | S | SS-SI 69E | 11 | 9 | | 8100 TPH 8015 DRO EPH w/PAHs EPH w/PAHs 4 Diesel 8081 8082 608 PCB 8270 SVOA 8270 PAH 625 PCB RCRA5 RCRA8 PP13 TAL23 TCLP-RCRA8 NBC7 MCP-METALS (13) MCP-METALS (13) w/Hg Copper Only |
| 2 | | 1215 | | | | SS-SI 71WA | | | | |
| 3 | | 1230 | | | | SS-SI 72 N1 | | | | |
| 4 | | 1255 | | | | SS-SI 73 B1 | | | | |
| 5 | | 1255 | | | | SS-SI 73 B1 Duf | | | | |
| 6 | | 1300 | | | | SS-SI 74 E1 | | | | |
| 7 | | 1310 | | | | SS-SI 75 S1 | | | | |
| 8 | | 1315 | | | | SS-SI 70 N | | | | |
| 9 | | 1330 | | | | SS-SI 76 B1 | | | | |
| 10 | | 1340 | | | | SS-SI 77 B1 | | | | |

Container Type: P-Poly G-Glass S-Sterile V-VOA Matrix: S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters
 Cooler Present Yes No Internal Use Only
 Seals Intact Yes No NA: Pickup
 Cooler Temp: N/A DGM [] Technicians _____
 Preservation Code: 1- NP, 2- HCl, 3- H₂SO₄, 4- HNO₃, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9- _____
 Sampled by: Damon Kent
 Comments: CALL W/ RESULTS 339-927-4179
 Relinquished by: (Signature) [Signature] Date/Time 8/14/06 1415 Received by: (Signature) _____ Date/Time _____
 Relinquished by: (Signature) [Signature] Date/Time _____ Received by: (Signature) _____ Date/Time _____

Turn Time: Standard Other 2-4 hr Reporting Limits: ESS LAB PROJECT ID
 If faster than 5 days, prior approval by laboratory is required #
 State where samples were collected from: MA RI CT NH NJ NY ME Other
 MA-MCP Navy USACE Other
 Is this project for any of the following: USACE Other
 MA-MCP Navy USACE Other

Project # _____ Project Name (20 Char. or less) _____
 Address _____
 City _____ State _____ Zip _____ PO# _____
 Telephone # _____ Fax # _____ Email Address _____

| ESS LAB Sample# | Date | Collection Time | COMP | GRAB | MATRIX | Sample Identification (20 Char. or less) | Pres Code | Number of Containers | Type of Containers | 8260 VOA | 8015 VPH | 8021 MTB/BTEX GRO | 8015 VPH | 8100 TPH | 8015 DRO | EPH EPH w/PAHs w/PAHs 4 Diesel | 8081 8082 608 Pesticides PCB Pesticides PCB | 8270 PAH 625 SVOA 8270 | RCRAS RCRAS 8270 PAH 625 SVOA 8270 | TCLP-RCRAS NBC7 | MCP-METALS (13) MCP-METALS (13) w/Hg | |
|-----------------|---------|-----------------|------|------|--------------|--|-----------|----------------------|--------------------|----------|----------|-------------------|----------|----------|----------|--------------------------------|---|------------------------|------------------------------------|-----------------|--------------------------------------|---|
| 11 | 8/14/06 | 1400 | X | S | VER-TEX FILS | 1+6 2 3+ 4 | | | | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 844 | | | | | | | | | | | | | | | | | | | | | | |

Container Type: P-Poly G-Glass S-Sterile V-VOA Matrix: S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters
 Cooler Present Yes No Internal Use Only
 Seals Intact Yes No NA: Pickup
 Cooler Temp: N/A Dck Technicians: _____
 Preservation Code: 1- NP, 2- HCl, 3- H₂SO₄, 4- HNO₃, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9- _____
 Sampled by: Daron Kurl
 Comments: _____

| Relinquished by: (Signature) | Date/Time | Received by: (Signature) | Date/Time |
|------------------------------|--------------|--------------------------|--------------|
| <u>Daron Kurl</u> | 8/14/06 1415 | <u>Just off</u> | 8/14/06 1415 |
| _____ | _____ | _____ | _____ |